

May 2025

PORTLAND PIPE LINE CORPORATION

Chapter 171: Control of Petroleum Storage Facilities Fenceline Monitoring Quarterly Report: 2025 Quarter 1

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Sample Code	Benzene		Ethylbenzene		Xylene (m/p)		Xylene (o)		Toluene	
	Conc. ($\mu\text{g}/\text{m}^3$)	Flag	Conc. ($\mu\text{g}/\text{m}^3$)	Flag	Conc. ($\mu\text{g}/\text{m}^3$)	Flag	Conc. ($\mu\text{g}/\text{m}^3$)	Flag	Conc. ($\mu\text{g}/\text{m}^3$)	Flag
PPSP-1-S-20241218	1.18		< 0.280	ND	< 0.280	ND,Pc	< 0.280	ND	0.748	P
PPSP-1-B-20241218	< 0.192	ND	< 0.280	ND	< 0.280	ND,Pc	< 0.280	ND	< 0.247	ND,P
PPSP-2-S-20241218	1.01		< 0.280	ND	0.357	J,Pc	< 0.280	ND	0.751	P
PPSP-3-S-20241218	0.746		< 0.280	ND	0.453	J,Pc	< 0.280	ND	1.57	P
PPSP-4-S-20241218	0.948		< 0.280	ND	0.508	J,Pc	< 0.280	ND	1.91	P
PPSP-5-S-20241218	0.720		< 0.280	ND	0.500	J,Pc	< 0.280	ND	0.892	P
PPSP-6-S-20241218	0.806		< 0.280	ND	0.541	J,Pc	< 0.280	ND	1.83	P
PPSP-7-S-20241218	0.843		< 0.280	ND	0.526	J,Pc	< 0.280	ND	1.91	P
PPSP-8-S-20241218	0.770		< 0.280	ND	0.731	Pc	< 0.280	ND	1.56	P
PPSP-8-D-20241218	0.691		< 0.280	ND	0.334	J,Pc	< 0.280	ND	0.665	P
PPSP-9-S-20241218	0.842		< 0.280	ND	0.573	J,Pc	< 0.280	ND	1.43	P
PPSP-10-S-20241218	0.815		< 0.280	ND	0.444	J,Pc	< 0.280	ND	1.26	P
PPSP-11-S-20241218	0.937		< 0.280	ND	0.393	J,Pc	< 0.280	ND	1.36	P
PPSP-12-S-20241218	1.26		< 0.280	ND	0.567	J,Pc	< 0.280	ND	1.34	P
PPSP-13-S-20241218	1.12		< 0.280	ND	0.404	J,Pc	< 0.280	ND	1.24	P
PPSP-1-B-20250101	< 0.196	ND	< 0.286	ND	< 0.286	ND	< 0.286	ND	< 0.253	ND,P
PPSP-1-S-20250101	1.30		< 0.286	ND	0.339	J	< 0.286	ND	0.953	P
PPSP-2-S-20250101	0.720		< 0.286	ND	< 0.286	ND	< 0.286	ND	0.901	P
PPSP-3-S-20250101	0.707		< 0.286	ND	< 0.286	ND	< 0.286	ND	0.830	P
PPSP-4-S-20250101	0.688		< 0.286	ND	0.310	J	< 0.286	ND	1.05	P
PPSP-5-S-20250101	0.612		< 0.286	ND	0.355	J	< 0.286	ND	1.29	P
PPSP-6-S-20250101	0.621		< 0.286	ND	0.420	J	< 0.286	ND	0.985	P
PPSP-7-S-20250101	0.599		< 0.286	ND	0.439	J	< 0.286	ND	1.31	P
PPSP-8-D-20250101	0.600		< 0.286	ND	0.334	J	< 0.286	ND	0.901	P
PPSP-8-S-20250101	0.715		< 0.286	ND	0.353	J	< 0.286	ND	1.56	P
PPSP-9-S-20250101	0.712		< 0.286	ND	0.401	J	< 0.286	ND	1.57	P
PPSP-10-S-20250101	0.624		< 0.286	ND	0.370	J	< 0.286	ND	1.17	P
PPSP-11-S-20250101	1.58		< 0.286	ND	0.517	J	< 0.286	ND	1.22	P
PPSP-12-S-20250101	1.98		< 0.286	ND	0.534	J	< 0.286	ND	2.23	P
PPSP-13-S-20250101	1.31		< 0.286	ND	0.357	J	< 0.286	ND	1.99	P
PPSP-1-S-20250115	0.954		< 0.285	ND	0.439	J	< 0.285	ND	0.975	
PPSP-1-B-20250115	< 0.196	ND	< 0.285	ND	< 0.285	ND	< 0.285	ND	< 0.252	ND
PPSP-2-S-20250115	0.846		< 0.285	ND	0.473	J	< 0.285	ND	0.978	
PPSP-3-S-20250115	0.784		< 0.285	ND	0.557	J	< 0.285	ND	1.06	
PPSP-4-S-20250115	0.842		< 0.285	ND	0.615	J	< 0.285	ND	1.17	
PPSP-5-S-20250115	0.790		< 0.285	ND	0.460	J	< 0.285	ND	1.09	
PPSP-6-S-20250115	0.837		< 0.285	ND	0.626		< 0.285	ND	1.16	
PPSP-7-S-20250115	0.827		< 0.285	ND	0.606	J	< 0.285	ND	1.18	
PPSP-8-S-20250115	0.795		< 0.285	ND	0.471	J	< 0.285	ND	1.10	
PPSP-8-D-20250115	0.793		< 0.285	ND	0.462	J	< 0.285	ND	1.06	
PPSP-9-S-20250115	1.02		< 0.285	ND	0.463	J	< 0.285	ND	1.04	
PPSP-10-S-20250115	1.06		< 0.285	ND	0.668		< 0.285	ND	1.10	
PPSP-11-S-20250115	1.52		< 0.285	ND	0.361	J	< 0.285	ND	1.17	
PPSP-12-S-20250115	1.27		< 0.285	ND	0.493	J	< 0.285	ND	1.06	
PPSP-13-S-20250115	0.918		< 0.285	ND	0.343	J	< 0.285	ND	0.836	
PPSP-1-B-20250129	< 0.195	ND,Pc	< 0.284	ND	< 0.284	ND,Pc	< 0.284	ND	0.265	J,P
PPSP-1-S-20250129	1.14	Pc	< 0.284	ND	0.325	J,Pc	< 0.284	ND	1.00	P
PPSP-2-S-20250129	1.08	Pc	< 0.284	ND	0.325	J,Pc	< 0.284	ND	1.05	P
PPSP-3-S-20250129	0.758	Pc	< 0.284	ND	0.443	J,Pc	< 0.284	ND	1.05	P
PPSP-4-S-20250129	0.832	Pc	< 0.284	ND	0.463	J,Pc	< 0.284	ND	1.18	P
PPSP-5-S-20250129	0.786	Pc	< 0.284	ND	0.380	J,Pc	< 0.284	ND	1.14	P
PPSP-6-S-20250129	0.821	Pc	< 0.283	ND	0.447	J,Pc	< 0.283	ND	1.16	P
PPSP-7-S-20250129	0.805	Pc	< 0.284	ND	0.623	Pc	< 0.284	ND	1.26	P
PPSP-8-S-20250129	0.583	Pc	< 0.284	ND	< 0.284	ND,Pc	< 0.284	ND	0.772	P
PPSP-8-D-20250129	0.818	Pc	< 0.284	ND	0.574	J,Pc	< 0.284	ND	1.13	P
PPSP-9-S-20250129	0.920	Pc	< 0.284	ND	0.492	J,Pc	< 0.284	ND	1.03	P
PPSP-10-S-20250129	1.06	Pc	< 0.284	ND	0.370	J,Pc	< 0.284	ND	1.24	P
PPSP-11-S-20250129	1.39	Pc	< 0.284	ND	0.387	J,Pc	< 0.284	ND	1.19	P
PPSP-12-S-20250129	1.55	Pc	< 0.284	ND	0.601	J,Pc	< 0.284	ND	1.36	P
PPSP-13-S-20250129	1.10	Pc	< 0.284	ND	0.459	J,Pc	< 0.284	ND	1.17	P

PPSP-1-B-20250212	< 0.196	ND	< 0.285	ND	< 0.285	ND	< 0.285	ND	< 0.252	ND
PPSP-1-S-20250212	1.07		< 0.285	ND	0.305	J	< 0.285	ND	1.45	
PPSP-2-S-20250212	0.764		< 0.285	ND	0.302	J	< 0.285	ND	0.805	
PPSP-3-S-20250212	0.660		< 0.285	ND	0.368	J	< 0.285	ND	2.30	
PPSP-4-S-20250212	0.697		< 0.285	ND	0.377	J	< 0.285	ND	2.40	
PPSP-5-S-20250212	0.680		< 0.285	ND	0.457	J	< 0.285	ND	2.83	
PPSP-6-S-20250212	0.710		< 0.286	ND	0.332	J	< 0.286	ND	1.11	
PPSP-7-S-20250212	0.669		< 0.285	ND	0.375	J	< 0.285	ND	1.21	
PPSP-8-S-20250212	0.688		< 0.285	ND	0.332	J	< 0.285	ND	1.08	
PPSP-8-D-20250212	0.654		< 0.285	ND	0.287	J	< 0.285	ND	0.866	
PPSP-9-S-20250212	0.792		< 0.285	ND	0.315	J	< 0.285	ND	1.38	
PPSP-10-S-20250212	0.766		< 0.285	ND	< 0.285	ND	< 0.285	ND	0.831	
PPSP-11-S-20250212	1.57		< 0.285	ND	0.317	J	< 0.285	ND	1.46	
PPSP-12-S-20250212	1.53		< 0.285	ND	0.389	J	< 0.285	ND	1.17	
PPSP-13-S-20250212	1.04		< 0.285	ND	0.361	J	< 0.285	ND	0.873	
PPSP-1-B-20250226	< 0.193	ND	< 0.281	ND	< 0.281	ND	< 0.281	ND	< 0.249	ND
PPSP-1-S-20250226	1.07		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.998	
PPSP-2-S-20250226	0.594		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.537	J
PPSP-3-S-20250226	0.595		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.626	
PPSP-4-S-20250226	0.604		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.653	
PPSP-5-S-20250226	0.562		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.658	
PPSP-6-S-20250226	0.594		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.676	
PPSP-7-S-20250226	0.658		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.725	
PPSP-8-D-20250226	0.630		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.653	
PPSP-8-S-20250226	0.708		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.739	
PPSP-9-S-20250226	0.792		< 0.281	ND	0.302	J	< 0.281	ND	0.683	
PPSP-10-S-20250226	0.840		< 0.281	ND	0.281	J	< 0.281	ND	0.738	
PPSP-11-S-20250226	1.22		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.768	
PPSP-12-S-20250226	1.43		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.873	
PPSP-13-S-20250226	0.924		< 0.281	ND	< 0.281	ND	< 0.281	ND	0.529	J
PPSP-1-B-20250312	< 0.193	ND,P	< 0.280	ND	< 0.280	ND,P	< 0.280	ND,Pc	< 0.248	ND,P
PPSP-1-S-20250312	0.868	P	< 0.280	ND	0.361	J,P	< 0.280	ND,Pc	3.08	P
PPSP-2-S-20250312	1.06	P	0.320	J	1.17	P	0.402	J,Pc	32.8	P
PPSP-3-S-20250312	0.818	P	0.312	J	0.675	P	< 0.280	ND,Pc	11.4	P
PPSP-4-S-20250312	0.816	P	< 0.280	ND	< 0.280	ND,P	< 0.280	ND,Pc	8.53	P
PPSP-5-S-20250312	0.777	P	< 0.280	ND	0.547	P	< 0.280	ND,Pc	13.8	P
PPSP-6-S-20250312	0.634	P	< 0.280	ND	0.387	J,P	< 0.280	ND,Pc	1.16	P
PPSP-7-S-20250312	0.640	P	< 0.281	ND	0.321	J,P	< 0.281	ND,Pc	1.04	P
PPSP-8-S-20250312	0.652	P	< 0.281	ND	0.463	J,P	< 0.281	ND,Pc	0.960	P
PPSP-8-D-20250312	0.892	P	0.340	J	1.37	P	0.428	J,Pc	16.4	P
PPSP-9-S-20250312	0.835	P	< 0.281	ND	0.324	J,P	< 0.281	ND,Pc	1.40	P
PPSP-10-S-20250312	0.903	P	< 0.281	ND	0.334	J,P	< 0.281	ND,Pc	1.12	P
PPSP-11-S-20250312	1.01	P	< 0.281	ND	0.530	J,P	< 0.281	ND,Pc	12.7	P
PPSP-12-S-20250312	0.873	P	< 0.280	ND	< 0.280	ND,P	< 0.280	ND,Pc	0.955	P
PPSP-13-S-20250312	0.958	P	< 0.280	ND	0.553	P	< 0.280	ND,Pc	16.1	P

J: Estimated value, the analyte was detected between the method detection limit and the reporting limit

ND: That analyte was not present above the method detection limit

P: Field duplicate exceed 30% RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Summary Statistics	Benzene Conc. (µg/m ³)	Ethylbenzene Conc. (µg/m ³)	Xylene (m/p) Conc. (µg/m ³)	Xylene (o) Conc. (µg/m ³)	Toluene Conc. (µg/m ³)
Quarterly Maximum	1.98	0.340	1.37	0.428	32.8
Quarterly Average	0.905	0.284	0.416	0.284	2.15
Rolling Annual Maximum	1.98	0.587	1.37	0.594	32.8
Rolling Annual Average	--	--	--	--	--

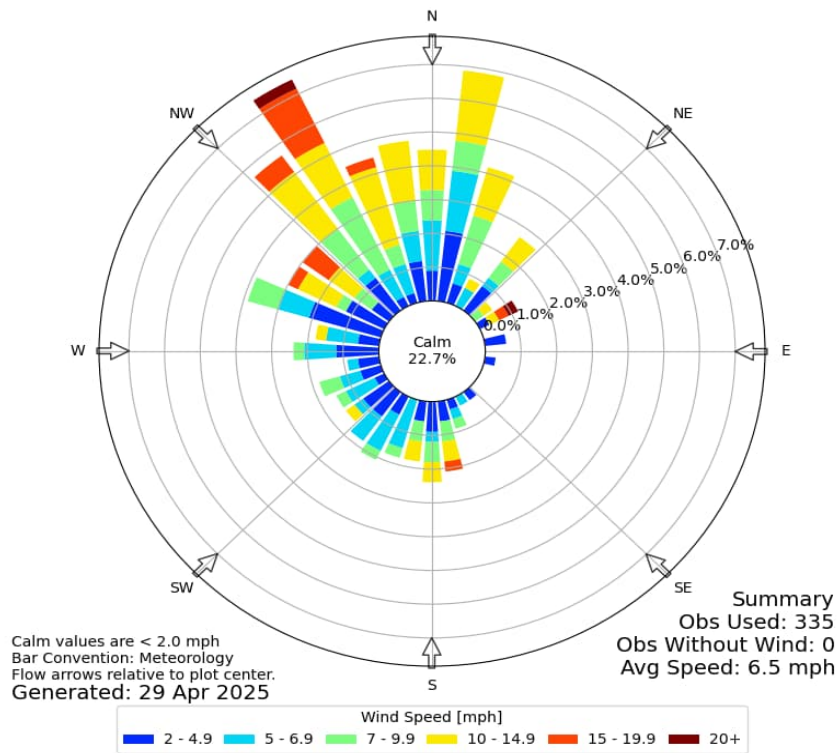
Note: Averages do not include field blanks or duplicates

Begin Date:	Start Time:	End Date:	End Time:	Avg Temp. (°F):	Avg. Bar. Pressure (in):	Avg. Wind Speed (mph):	Avg. Wind Direction:
12/18/2024	9:59 a.m. - 10:56 a.m.	1/1/2025	1:35 p.m. - 2:28 p.m.	29.8	30.1	8.2	218.3
1/1/2025	1:37 p.m. - 2:30 p.m.	1/15/2025	11:05 a.m. - 12:14 p.m.	25.0	29.7	10.5	282.2
1/15/2025	11:05 a.m. - 12:16 p.m.	1/29/2025	10:34 a.m. - 11:32 a.m.	22.9	29.9	8.8	250.7
1/29/2025	10:34 a.m. - 11:32 a.m.	2/12/2025	11:21 a.m. - 12:17 p.m.	21.5	30.0	7.9	220.3
2/12/2025	11:21 a.m. - 12:17 p.m.	2/26/2025	9:48 a.m. - 10:39 p.m.	24.3	29.9	10.4	227.6
2/26/2025	9:43 a.m. - 10:39 a.m.	3/12/2025	11:03 a.m. - 12:12 p.m.	34.0	29.7	10.3	241.4
3/12/2025	11:05 a.m. - 12:13 p.m.	3/26/2025	10:32 a.m. - 11:24 a.m.	38.9	29.9	8.5	191.4

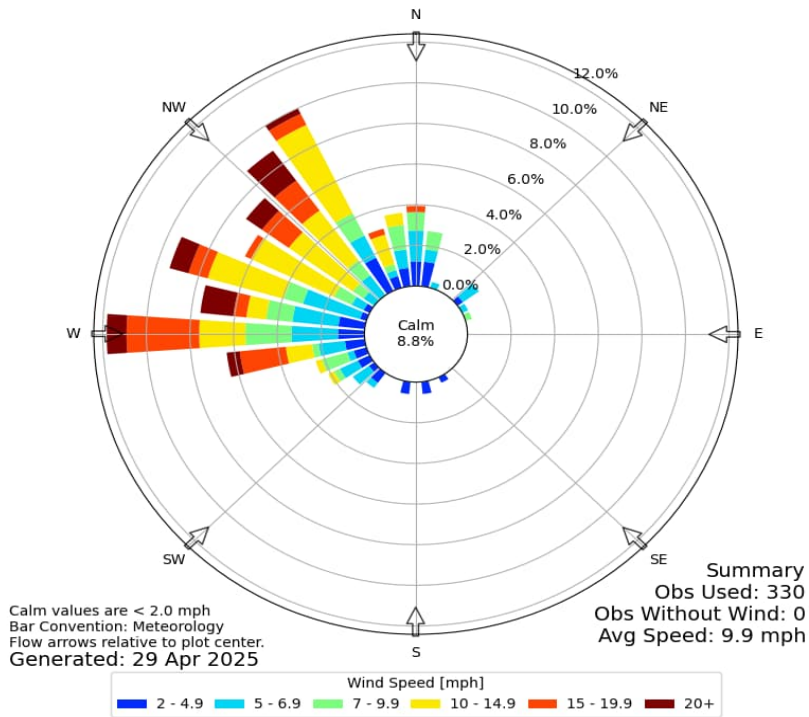
Location	Latitude	Longitude
Shelter 1	43.625044°	-70.268206°
Shelter 2	43.624461°	-70.269444°
Shelter 3	43.624128°	-70.272269°
Shelter 4	43.625869°	-70.273467°
Shelter 5	43.627444°	-70.274175°
Shelter 6	43.628351°	-70.272082°
Shelter 7	43.629353°	-70.270966°
Shelter 8	43.62845°	-70.269547°
Shelter 9	43.628232°	-70.267221°
Shelter 10	43.628461°	-70.265494°
Shelter 11	43.627796°	-70.263879°
Shelter 12	43.625964°	-70.263686°
Shelter 13	43.625017°	-70.265767°
KPWM Met	43.642222°	-70.304444°



Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 18 Dec 2024 11:51 AM - 01 Jan 2025 02:51 PM America/New_York

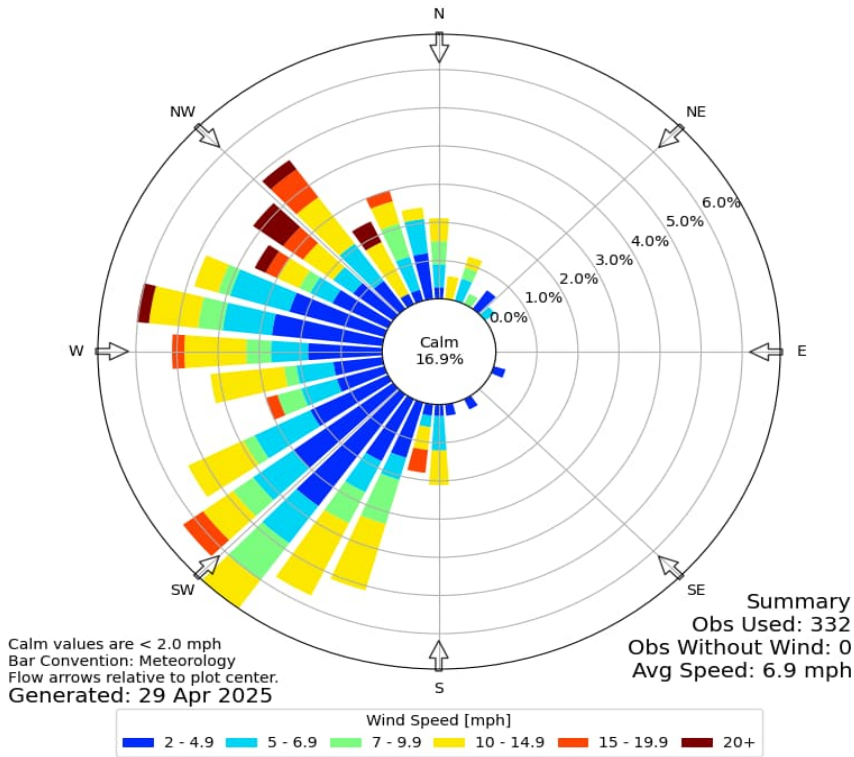


Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 01 Jan 2025 03:51 PM - 15 Jan 2025 12:51 PM America/New_York

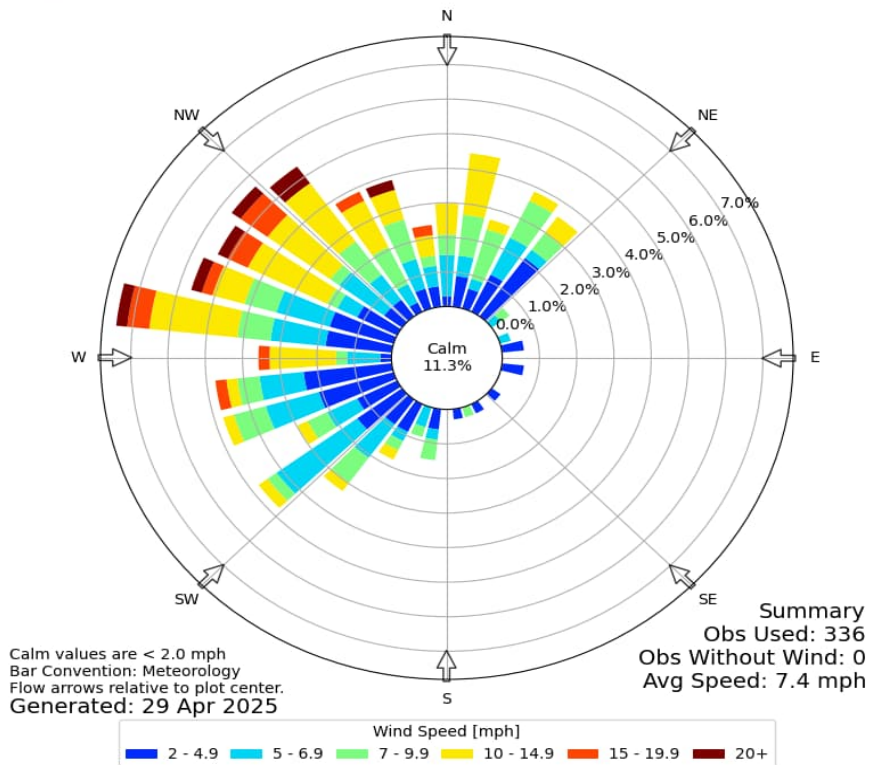




Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 15 Jan 2025 12:51 PM - 29 Jan 2025 11:51 AM America/New_York

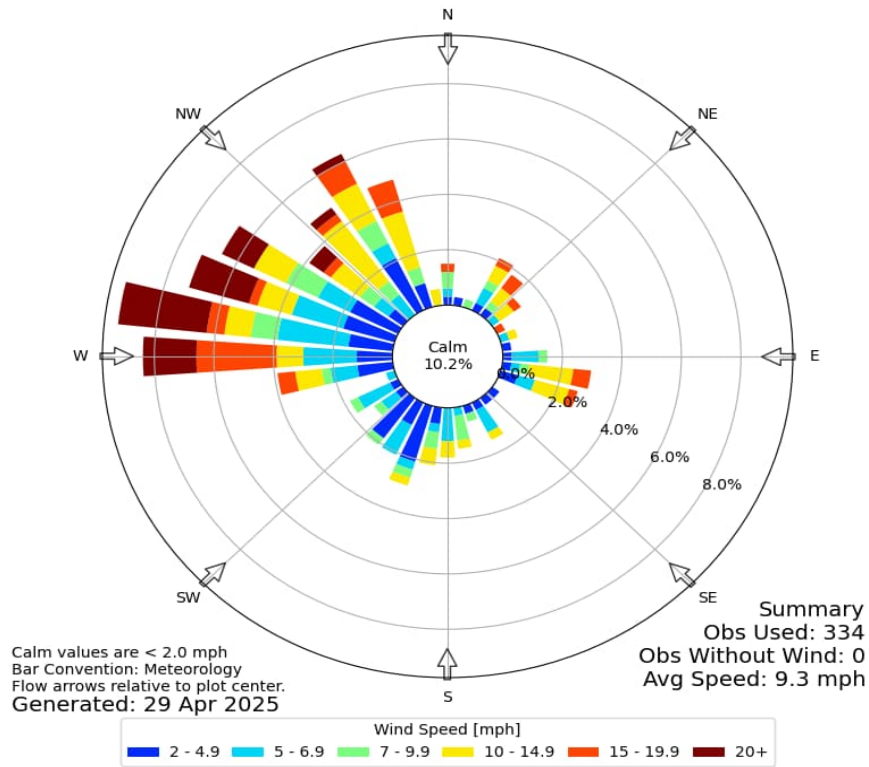


Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 29 Jan 2025 11:51 AM - 12 Feb 2025 12:51 PM America/New_York

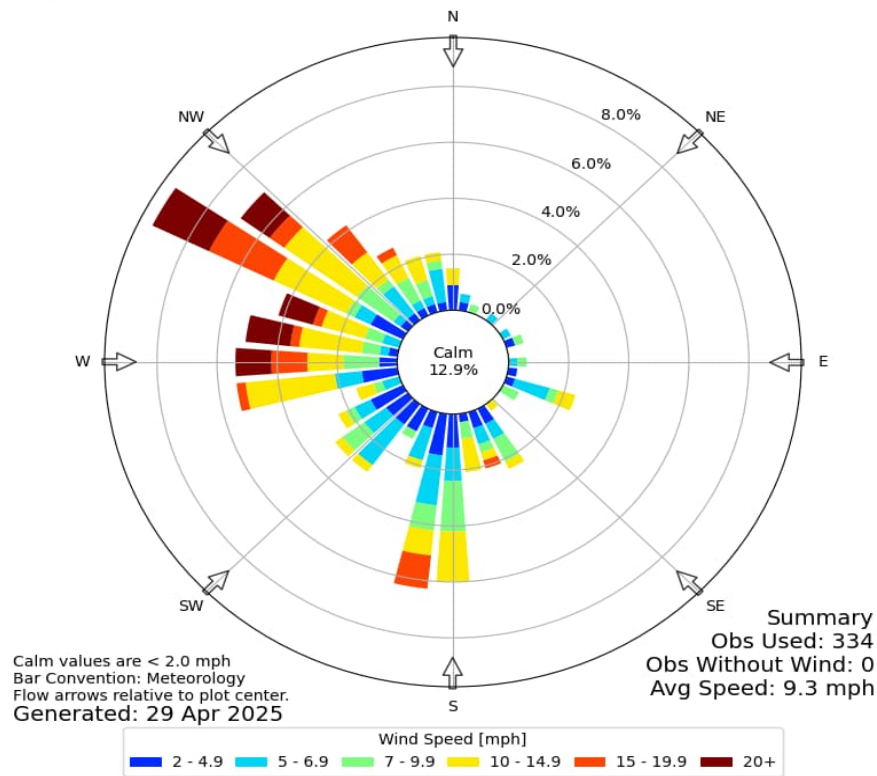




Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 12 Feb 2025 12:51 PM - 26 Feb 2025 10:51 AM America/New_York

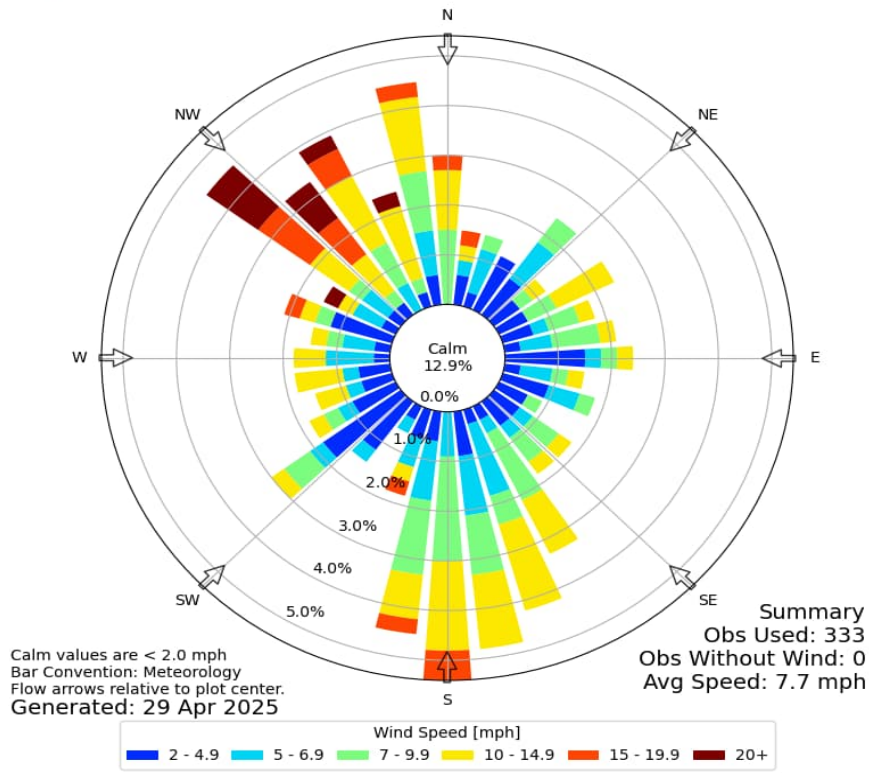


Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 26 Feb 2025 10:51 AM - 12 Mar 2025 12:51 PM America/New_York





Windrose Plot for [PWM] PORTLAND INTL JET
Obs Between: 12 Mar 2025 12:51 PM - 26 Mar 2025 11:51 AM America/New_York



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 12

Analytical Report (2025FW101)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.

Brianna Berry

QA REVIEW PERFORMED BY

Brianna Berry
QA Associate I

Report Issued: 01/21/2025



Summary of Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
PPSP-6-S-20241218	B46249	0.806			ND	0.541	J,Pc		ND	1.83	P
PPSP-5-S-20241218	C53603	0.720			ND	0.500	J,Pc		ND	0.892	P
PPSP-4-S-20241218	C16151	0.948			ND	0.508	J,Pc		ND	1.91	P
PPSP-3-S-20241218	C35870	0.746			ND	0.453	J,Pc		ND	1.57	P
PPSP-2-S-20241218	C01554	1.01			ND	0.357	J,Pc		ND	0.751	P
PPSP-1-S-20241218	C20430	1.18			ND		ND,Pc		ND	0.748	P
PPSP-1-B-20241218	B44257		ND		ND		ND,Pc		ND		ND,P
PPSP-13-S-20241218	B52850	1.12			ND	0.404	J,Pc		ND	1.24	P
PPSP-12-S-20241218	C43670	1.26			ND	0.567	J,Pc		ND	1.34	P
PPSP-11-S-20241218	B18404	0.937			ND	0.393	J,Pc		ND	1.36	P
PPSP-10-S-20241218	B16375	0.815			ND	0.444	J,Pc		ND	1.26	P
PPSP-9-S-20241218	B20633	0.842			ND	0.573	J,Pc		ND	1.43	P
PPSP-8-S-20241218	C43638	0.770			ND	0.731	Pc		ND	1.56	P
PPSP-8-D-20241218	C38565	0.691			ND	0.334	J,Pc		ND	0.665	P
PPSP-7-S-20241218	B42690	0.843			ND	0.526	J,Pc		ND	1.91	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20241218	B46249	0.806	0.252	10.5	28.7	0.639	20,376	0.192	0.403	0.0601	0.126	
PPSP-5-S-20241218	C53603	0.720	0.225	9.37	28.7	0.639	20,378	0.192	0.403	0.0601	0.126	
PPSP-4-S-20241218	C16151	0.948	0.297	12.3	28.7	0.639	20,379	0.192	0.403	0.0601	0.126	
PPSP-3-S-20241218	C35870	0.746	0.234	9.72	28.7	0.639	20,378	0.192	0.403	0.0601	0.126	
PPSP-2-S-20241218	C01554	1.01	0.318	13.2	28.7	0.639	20,378	0.192	0.403	0.0601	0.126	
PPSP-1-S-20241218	C20430	1.18	0.368	15.3	28.7	0.639	20,376	0.192	0.403	0.0601	0.126	
PPSP-1-B-20241218	B44257				28.7	0.639	20,376	0.192	0.403	0.0601	0.126	ND
PPSP-13-S-20241218	B52850	1.12	0.350	14.6	28.7	0.639	20,376	0.192	0.403	0.0601	0.126	
PPSP-12-S-20241218	C43670	1.26	0.395	16.4	28.7	0.639	20,375	0.192	0.403	0.0601	0.126	
PPSP-11-S-20241218	B18404	0.937	0.294	12.2	28.7	0.639	20,375	0.192	0.403	0.0601	0.126	
PPSP-10-S-20241218	B16375	0.815	0.255	10.6	28.7	0.639	20,376	0.192	0.403	0.0601	0.126	
PPSP-9-S-20241218	B20633	0.842	0.264	11.0	28.7	0.639	20,374	0.192	0.403	0.0601	0.126	
PPSP-8-S-20241218	C43638	0.770	0.241	10.0	28.7	0.639	20,373	0.192	0.403	0.0601	0.126	
PPSP-8-D-20241218	C38565	0.691	0.216	8.99	28.7	0.639	20,373	0.192	0.403	0.0601	0.126	
PPSP-7-S-20241218	B42690	0.843	0.264	11.0	28.7	0.639	20,372	0.192	0.403	0.0601	0.126	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20241218	B46249				28.7	0.439	20,376	0.280	0.603	0.0644	0.139	ND
PPSP-5-S-20241218	C53603				28.7	0.439	20,378	0.280	0.603	0.0644	0.139	ND
PPSP-4-S-20241218	C16151				28.7	0.439	20,379	0.280	0.603	0.0644	0.139	ND
PPSP-3-S-20241218	C35870				28.7	0.439	20,378	0.280	0.603	0.0644	0.139	ND
PPSP-2-S-20241218	C01554				28.7	0.439	20,378	0.280	0.603	0.0644	0.139	ND
PPSP-1-S-20241218	C20430				28.7	0.439	20,376	0.280	0.603	0.0644	0.139	ND
PPSP-1-B-20241218	B44257				28.7	0.439	20,376	0.280	0.603	0.0644	0.139	ND
PPSP-13-S-20241218	B52850				28.7	0.439	20,376	0.280	0.603	0.0644	0.139	ND
PPSP-12-S-20241218	C43670				28.7	0.439	20,375	0.280	0.603	0.0644	0.139	ND
PPSP-11-S-20241218	B18404				28.7	0.439	20,375	0.280	0.603	0.0644	0.139	ND
PPSP-10-S-20241218	B16375				28.7	0.439	20,376	0.280	0.603	0.0644	0.139	ND
PPSP-9-S-20241218	B20633				28.7	0.439	20,374	0.280	0.603	0.0644	0.139	ND
PPSP-8-S-20241218	C43638				28.7	0.439	20,373	0.280	0.603	0.0644	0.139	ND
PPSP-8-D-20241218	C38565				28.7	0.439	20,373	0.280	0.603	0.0644	0.139	ND
PPSP-7-S-20241218	B42690				28.7	0.439	20,372	0.280	0.603	0.0644	0.139	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20241218	B46249	0.541	0.125	4.84	28.7	0.439	20,376	0.280	0.607	0.0644	0.140	J,Pc
PPSP-5-S-20241218	C53603	0.500	0.115	4.47	28.7	0.439	20,378	0.280	0.607	0.0644	0.140	J,Pc
PPSP-4-S-20241218	C16151	0.508	0.117	4.54	28.7	0.439	20,379	0.280	0.607	0.0644	0.140	J,Pc
PPSP-3-S-20241218	C35870	0.453	0.104	4.05	28.7	0.439	20,378	0.280	0.607	0.0644	0.140	J,Pc
PPSP-2-S-20241218	C01554	0.357	0.0822	3.19	28.7	0.439	20,378	0.280	0.607	0.0644	0.140	J,Pc
PPSP-1-S-20241218	C20430				28.7	0.439	20,376	0.280	0.607	0.0644	0.140	ND,Pc
PPSP-1-B-20241218	B44257				28.7	0.439	20,376	0.280	0.607	0.0644	0.140	ND,Pc
PPSP-13-S-20241218	B52850	0.404	0.0931	3.61	28.7	0.439	20,376	0.280	0.607	0.0644	0.140	J,Pc
PPSP-12-S-20241218	C43670	0.567	0.131	5.07	28.7	0.439	20,375	0.280	0.607	0.0644	0.140	J,Pc
PPSP-11-S-20241218	B18404	0.393	0.0906	3.51	28.7	0.439	20,375	0.280	0.607	0.0644	0.140	J,Pc
PPSP-10-S-20241218	B16375	0.444	0.102	3.97	28.7	0.439	20,376	0.280	0.607	0.0644	0.140	J,Pc
PPSP-9-S-20241218	B20633	0.573	0.132	5.12	28.7	0.439	20,374	0.280	0.607	0.0644	0.140	J,Pc
PPSP-8-S-20241218	C43638	0.731	0.168	6.53	28.7	0.439	20,373	0.280	0.607	0.0644	0.140	Pc
PPSP-8-D-20241218	C38565	0.334	0.0769	2.98	28.7	0.439	20,373	0.280	0.607	0.0644	0.140	J,Pc
PPSP-7-S-20241218	B42690	0.526	0.121	4.70	28.7	0.439	20,372	0.280	0.607	0.0644	0.140	J,Pc

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20241218	B46249				28.7	0.439	20,376	0.280	0.610	0.0644	0.141	ND
PPSP-5-S-20241218	C53603				28.7	0.439	20,378	0.280	0.610	0.0644	0.141	ND
PPSP-4-S-20241218	C16151				28.7	0.439	20,379	0.280	0.610	0.0644	0.141	ND
PPSP-3-S-20241218	C35870				28.7	0.439	20,378	0.280	0.610	0.0644	0.141	ND
PPSP-2-S-20241218	C01554				28.7	0.439	20,378	0.280	0.610	0.0644	0.141	ND
PPSP-1-S-20241218	C20430				28.7	0.439	20,376	0.280	0.610	0.0644	0.141	ND
PPSP-1-B-20241218	B44257				28.7	0.439	20,376	0.280	0.610	0.0644	0.141	ND
PPSP-13-S-20241218	B52850				28.7	0.439	20,376	0.280	0.610	0.0644	0.141	ND
PPSP-12-S-20241218	C43670				28.7	0.439	20,375	0.280	0.611	0.0644	0.141	ND
PPSP-11-S-20241218	B18404				28.7	0.439	20,375	0.280	0.611	0.0644	0.141	ND
PPSP-10-S-20241218	B16375				28.7	0.439	20,376	0.280	0.610	0.0644	0.141	ND
PPSP-9-S-20241218	B20633				28.7	0.439	20,374	0.280	0.611	0.0644	0.141	ND
PPSP-8-S-20241218	C43638				28.7	0.439	20,373	0.280	0.611	0.0644	0.141	ND
PPSP-8-D-20241218	C38565				28.7	0.439	20,373	0.280	0.611	0.0644	0.141	ND
PPSP-7-S-20241218	B42690				28.7	0.439	20,372	0.280	0.611	0.0644	0.141	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20241218	B46249	1.83	0.487	18.5	28.7	0.496	20,376	0.247	0.539	0.0657	0.143	P
PPSP-5-S-20241218	C53603	0.892	0.237	9.02	28.7	0.496	20,378	0.247	0.539	0.0657	0.143	P
PPSP-4-S-20241218	C16151	1.91	0.508	19.3	28.7	0.496	20,379	0.247	0.539	0.0657	0.143	P
PPSP-3-S-20241218	C35870	1.57	0.418	15.9	28.7	0.496	20,378	0.247	0.539	0.0657	0.143	P
PPSP-2-S-20241218	C01554	0.751	0.199	7.59	28.7	0.496	20,378	0.247	0.539	0.0657	0.143	P
PPSP-1-S-20241218	C20430	0.748	0.199	7.56	28.7	0.496	20,376	0.247	0.539	0.0657	0.143	P
PPSP-1-B-20241218	B44257				28.7	0.496	20,376	0.247	0.539	0.0657	0.143	ND,P
PPSP-13-S-20241218	B52850	1.24	0.329	12.5	28.7	0.496	20,376	0.247	0.539	0.0657	0.143	P
PPSP-12-S-20241218	C43670	1.34	0.357	13.6	28.7	0.496	20,375	0.247	0.539	0.0657	0.143	P
PPSP-11-S-20241218	B18404	1.36	0.362	13.8	28.7	0.496	20,375	0.247	0.539	0.0657	0.143	P
PPSP-10-S-20241218	B16375	1.26	0.334	12.7	28.7	0.496	20,376	0.247	0.539	0.0657	0.143	P
PPSP-9-S-20241218	B20633	1.43	0.379	14.4	28.7	0.496	20,374	0.247	0.539	0.0657	0.143	P
PPSP-8-S-20241218	C43638	1.56	0.415	15.8	28.7	0.496	20,373	0.247	0.539	0.0657	0.143	P
PPSP-8-D-20241218	C38565	0.665	0.177	6.72	28.7	0.496	20,373	0.247	0.539	0.0657	0.143	P
PPSP-7-S-20241218	B42690	1.91	0.508	19.4	28.7	0.496	20,372	0.247	0.539	0.0657	0.143	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	PPSP-1-B-20241218	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20241218	11%	Pass		Pass	75%	Pc		Pass	81%	P

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW101

Custody	Enthalpy Analytical, LLC received the sample tubes on 1/10/25. The samples were received in good condition at a temperature of 11.4 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample PPSP-8-S-20241218 (tube ID C43638) and its corresponding duplicate PPSP-8-D-20241218 (tube ID C38565) failed to meet the 30% difference criterion specified by the method for Toluene only. All samples in the data set have been flagged “P” for Toluene only to denote this failure. The primary sample PPSP-8-S-20241218 (tube ID C43638) and its corresponding duplicate PPSP-8-D-20241218 (tube ID C38565) failed to meet the 30% difference criteria specified by the method for m-/p-Xylenes only. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument’s calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged “Pc” for m-/p-Xylenes only to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged



Enthalpy Analytical Narrative Summary (continued)

alongside the samples. The laboratory maintains documentation of samples that are purged.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in $\mu\text{g}/\text{m}^3$ and ppbv.

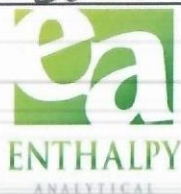
The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Sample Custody



2025FW101



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

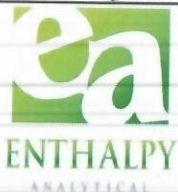
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	B46249	sample	12/18/24	9:59 AM	1/1/25	1:35 PM	JB / JB		
5	C53603	sample	12/18/24	10:04 AM	1/1/25	1:42 PM	JB / JB		
4	C16151	sample	12/18/24	10:08 AM	1/1/25	1:47 PM	JB / JB		
3	C35870	sample	12/18/24	10:13 AM	1/1/25	1:51 PM	JB / JB		
2	C01554	sample	12/18/24	10:18 AM	1/1/25	1:56 PM	JB / JB		
1	C20430	sample	12/18/24	10:22 AM	1/1/25	1:58 PM	JB / JB		
1	B44257	blank	12/18/24	10:22 AM	1/1/25	1:58 PM	JB / JB		
13	B52850	sample	12/18/24	10:26 AM	1/1/25	2:02 PM	JB / JB		

Relinquished By (printed): Jen Bowidowicz		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: 1/1/2025		Relinquished Time:	
Recieved By (printed): Regan Allen		Recieved By (signature): <i>Regan Allen</i>		Receipt Date: 1/10/2025		Receipt Time: 10:45	
Sample Condition Upon Receipt: Good		Compound List: BTEX		Custody Seal intact? Y/N: Yes		Delivery tracking #	
Ice Temp:		Blank Temp: 11.4		Add Custody Seal # below: 24G07152			
F1UKE7A							

Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you

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2025FW101



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C43670	sample	12/18/24	10:33 AM	1/1/25	2:08 PM	JB / JB		
11	B18404	sample	12/18/24	10:37 AM	1/1/25	2:12 PM	JB / JB		
10	B16375	sample	12/18/24	10:42 AM	1/1/25	2:18 PM	JB / JB		
9	B20633	sample	12/18/24	10:46 AM	1/1/25	2:20 PM	JB / JB		
8	C43638	sample	12/18/24	10:51 AM	1/1/25	2:24 PM	JB / JB		
8	C38565	duplicate	12/18/24	10:51 AM	1/1/25	2:24 PM	JB / JB		
7	B42690	sample	12/18/24	10:56 AM	1/1/25	2:28 PM	JB / JB		

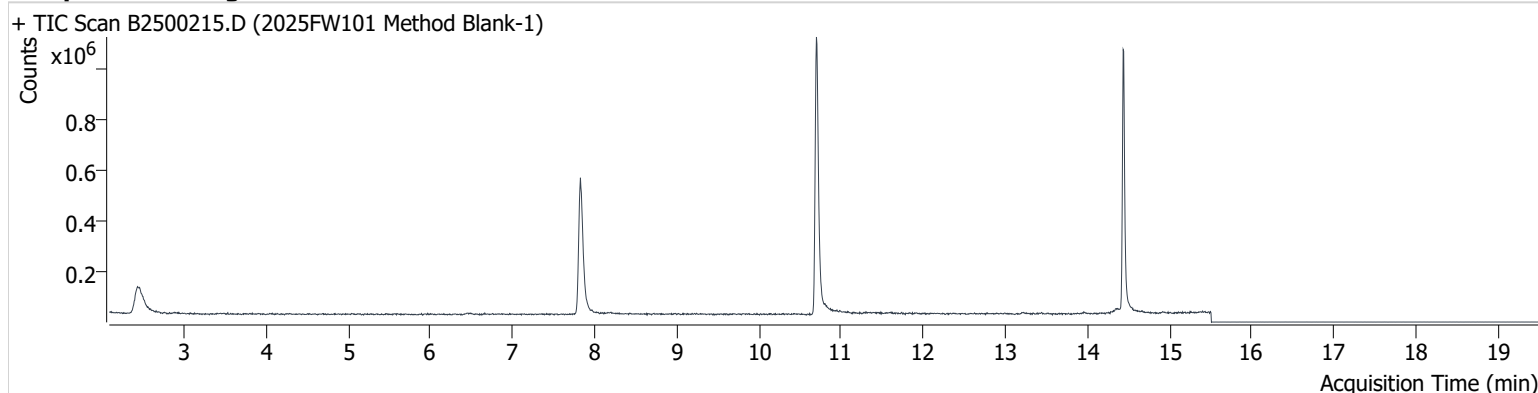
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Jen Bowidowicz		<i>Jennifer Bowidowicz</i>		1/1/2025			
Received By (printed):		Received By (signature):		Receipt Date:		Receipt Time:	
Regan Allen		<i>Regan Allen</i>		1/10/2025		10:45	
Sample Condition Upon Receipt:		Compound List:		Custody Seal intact? Y/N:		Delivery tracking #	
GOOD		BTEX		yes			
Ice Temp:		Blank Temp:		Add Custody Seal # below:			
11.4		FLUKE 7A		24607152			
Comments:							
Please pull the ambient temp from the KPWM NOAA station. Thank you							
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Sample Chromatograms



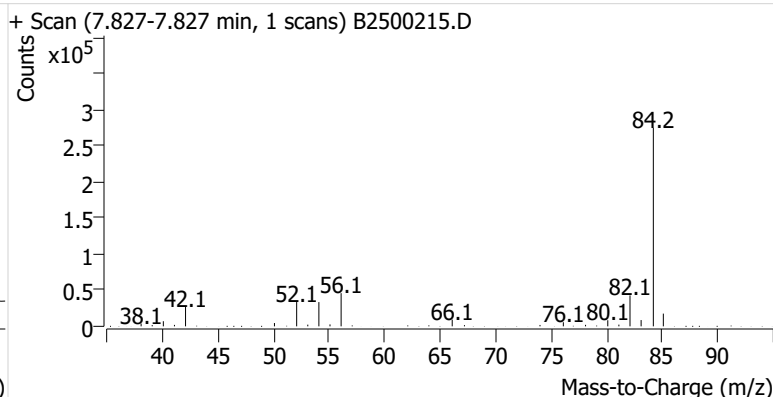
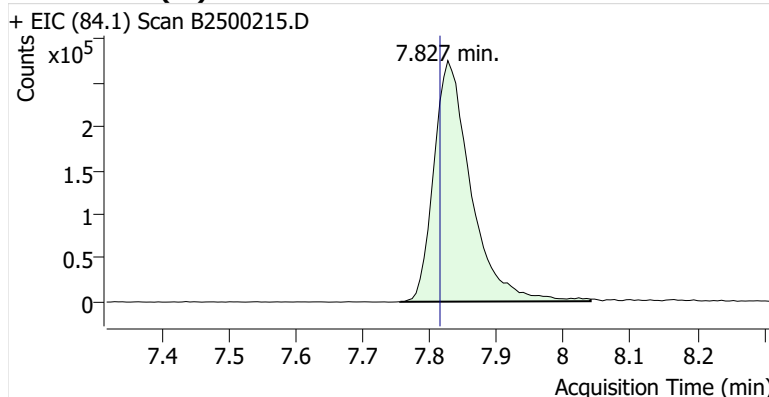
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Comment B38541
Data File B2500215.D
Acq. Date-Time 1/11/2025 1:33:11 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

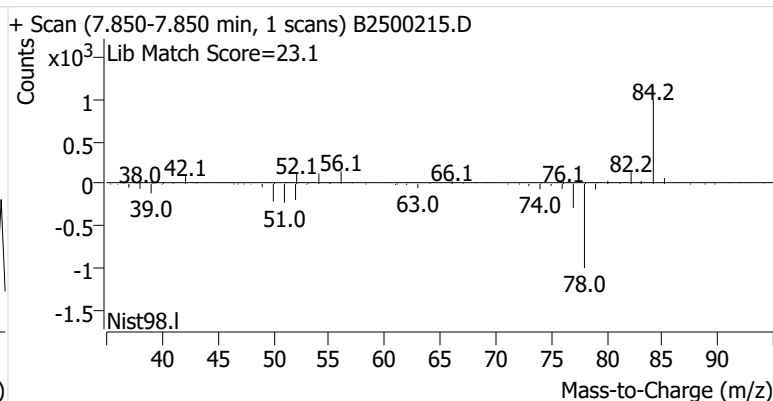
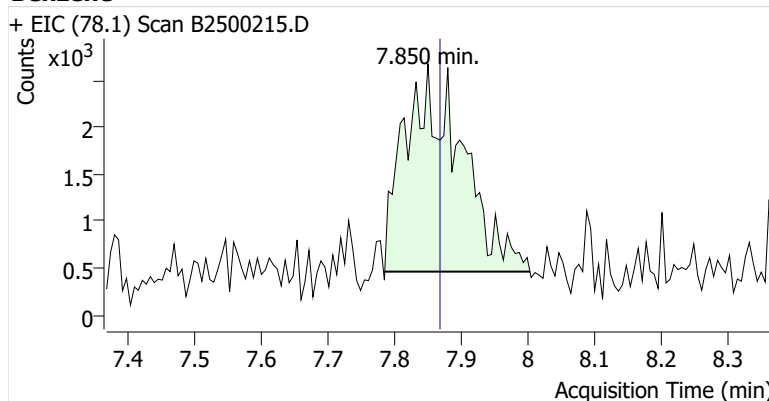


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.827	7.815	1,058,876	
Benzene	benzene-d6 (IS)	7.850	7.868	12,898	
Toluene-d8 (IS)		10.699	10.693	1,221,224	
Toluene	Toluene-d8 (IS)	10.806	10.794	12,775	
Ethylbenzene	Toluene-d8 (IS)	13.204	13.198	5,356	
m-/p-Xylenes	Toluene-d8 (IS)	13.418	13.412	5,818	
o-Xylene	Toluene-d8 (IS)	13.946	13.934	3,224	

benzene-d6 (IS)

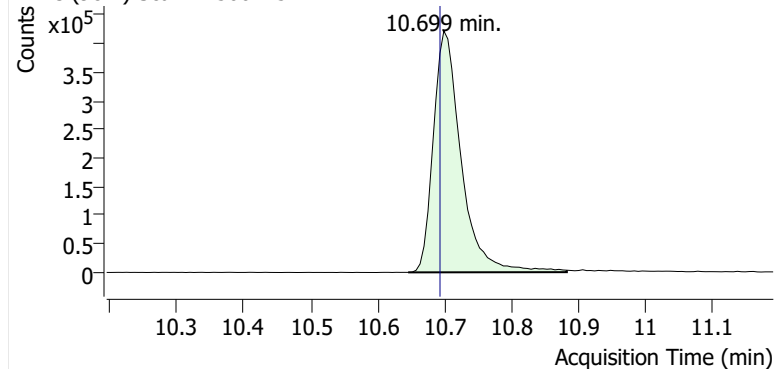


Benzene

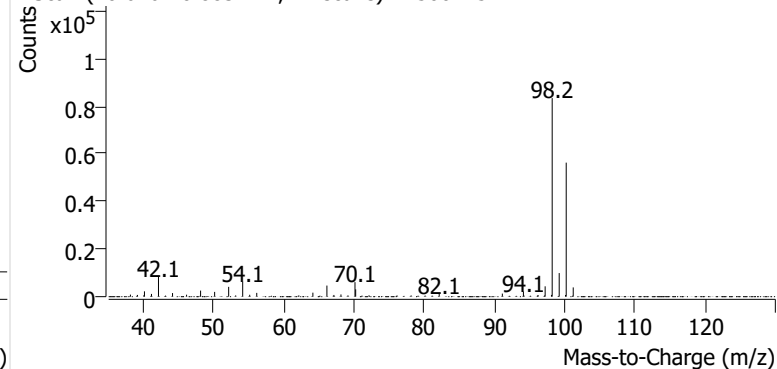


Toluene-d8 (IS)

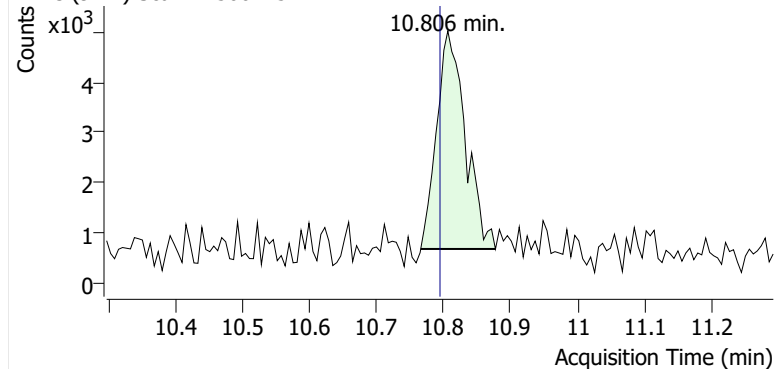
+ EIC (98.1) Scan B2500215.D



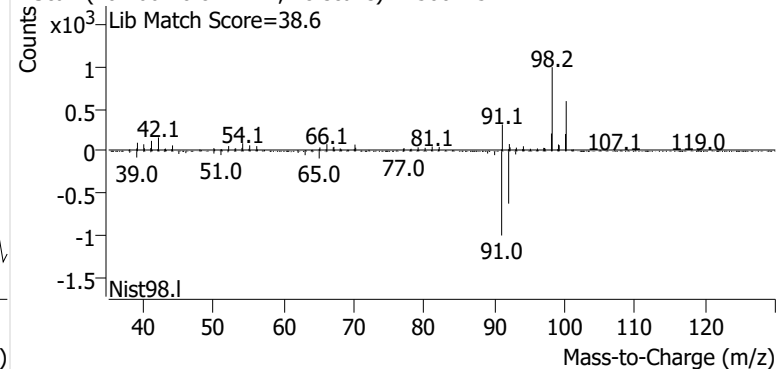
+ Scan (10.646-10.883 min, 41 scans) B2500215.D

**Toluene**

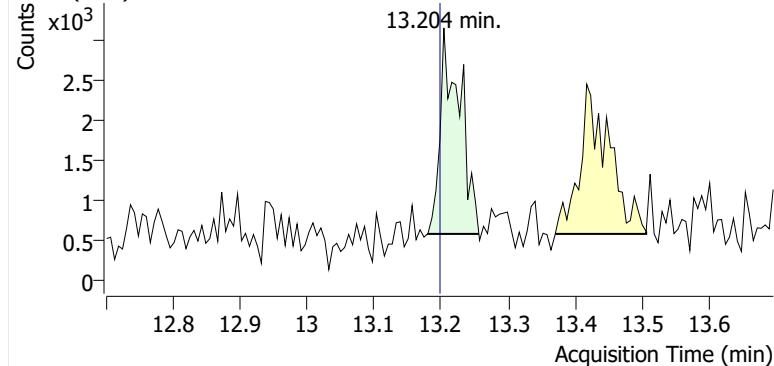
+ EIC (91.1) Scan B2500215.D



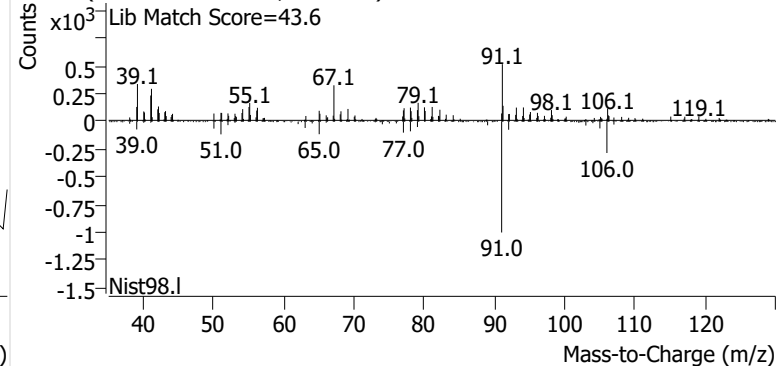
+ Scan (10.766-10.877 min, 18 scans) B2500215.D

**Ethylbenzene**

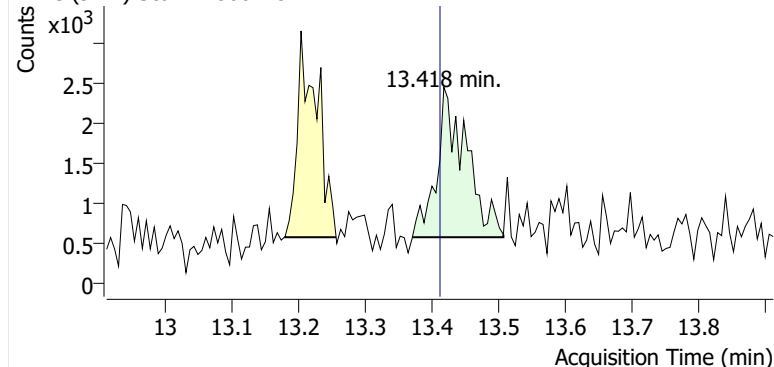
+ EIC (91.1) Scan B2500215.D



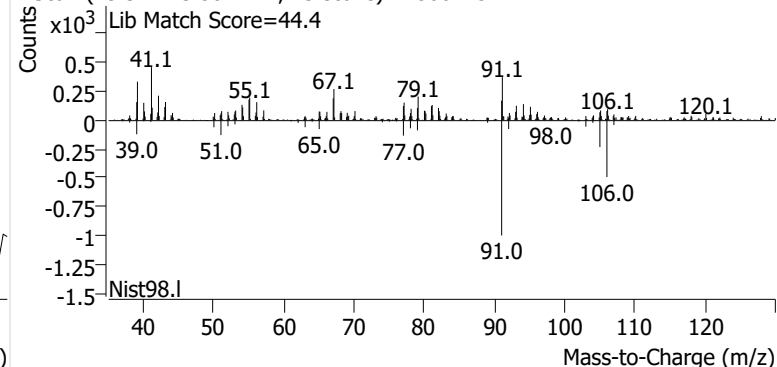
+ Scan (13.180-13.256 min, 13 scans) B2500215.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500215.D

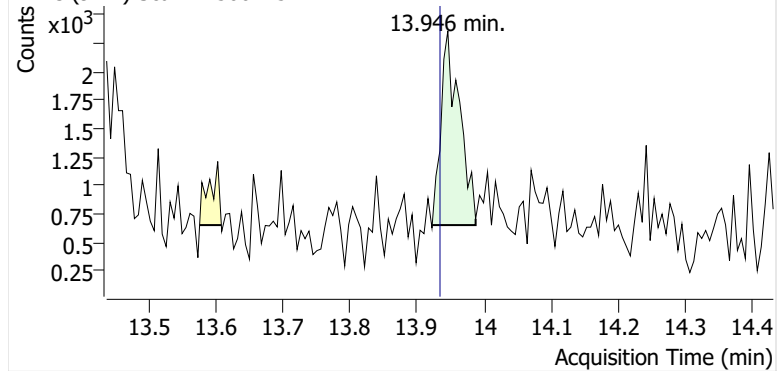


+ Scan (13.371-13.507 min, 23 scans) B2500215.D

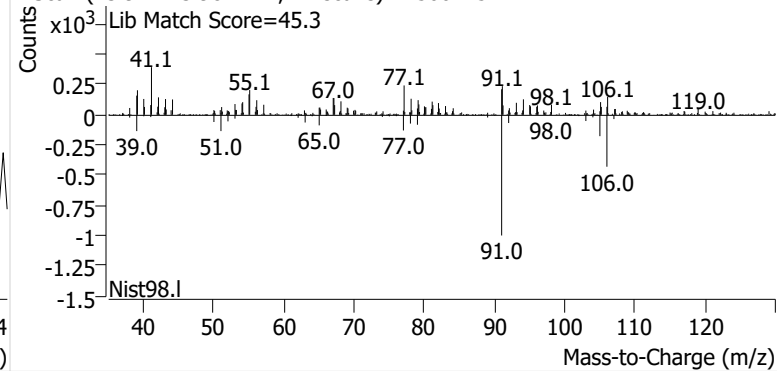


o-Xylene

+ EIC (91.1) Scan B2500215.D

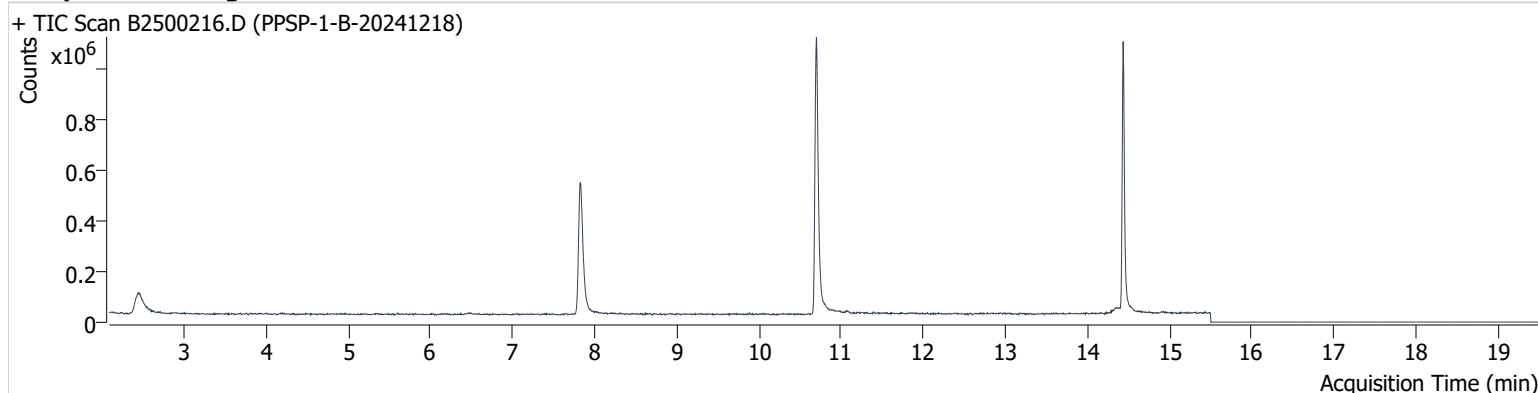


+ Scan (13.922-13.987 min, 11 scans) B2500215.D



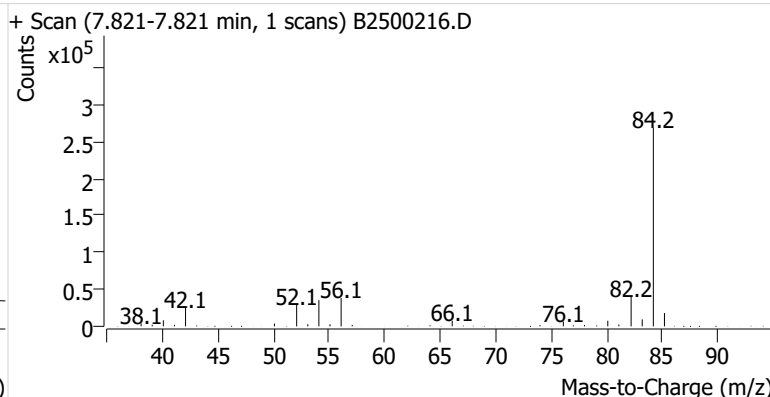
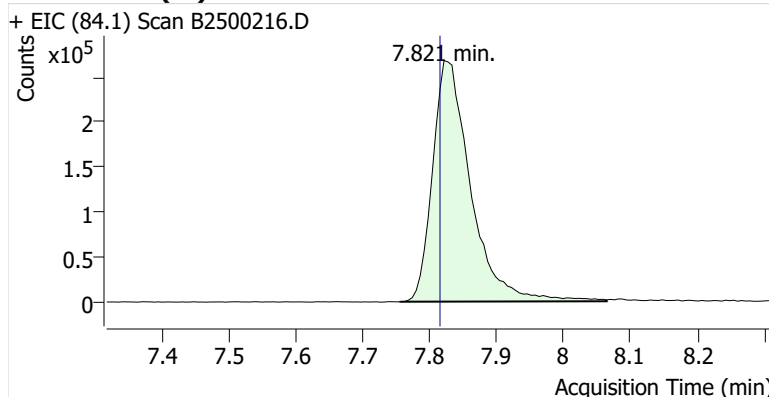
Name PPSP-1-B-20241218
Comment B44257
Data File B2500216.D
Acq. Date-Time 1/11/2025 2:10:31 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

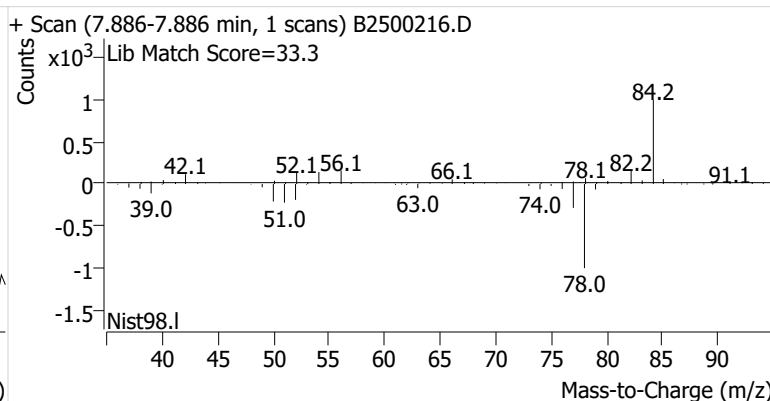
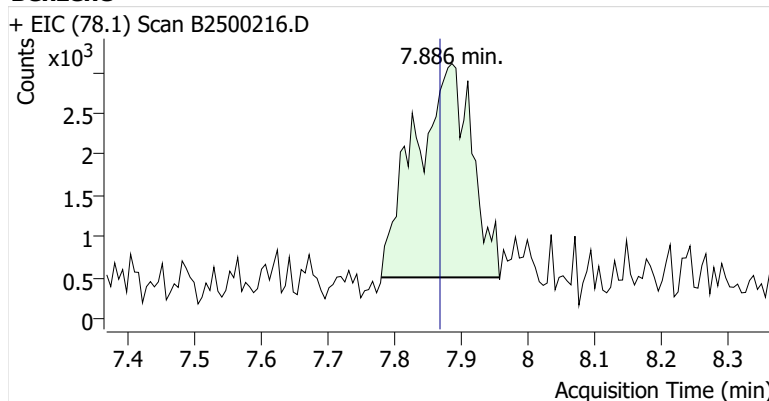


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.821	7.815	1,059,946	
Benzene	benzene-d6 (IS)	7.886	7.868	15,172	
Toluene-d8 (IS)		10.699	10.693	1,206,791	
Toluene	Toluene-d8 (IS)	10.800	10.794	5,582	
Ethylbenzene	Toluene-d8 (IS)	13.394	13.198	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.394	13.412	1,317	m
o-Xylene	Toluene-d8 (IS)	13.560	13.934	ND	m

benzene-d6 (IS)

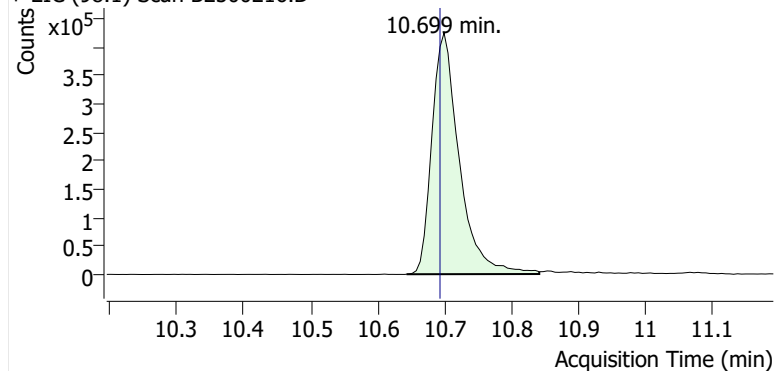


Benzene

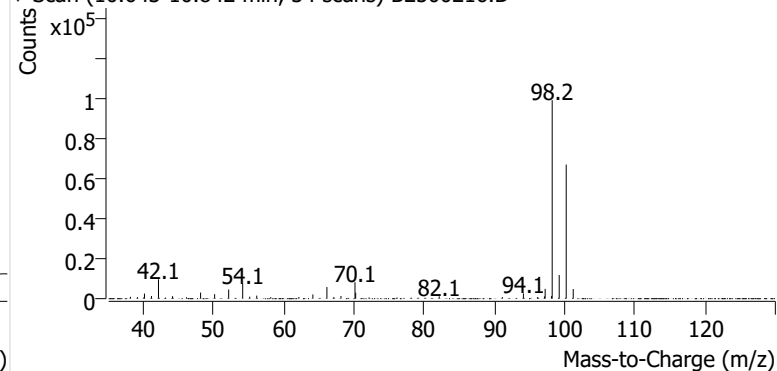


Toluene-d8 (IS)

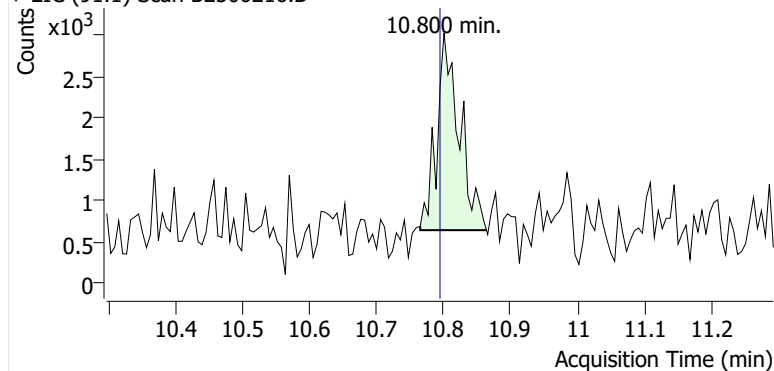
+ EIC (98.1) Scan B2500216.D



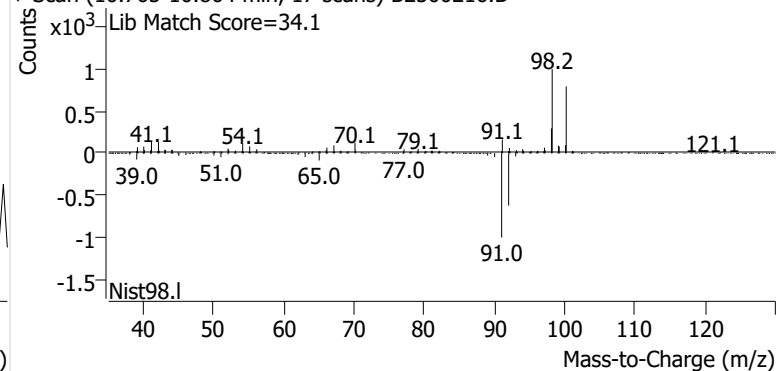
+ Scan (10.643-10.842 min, 34 scans) B2500216.D

**Toluene**

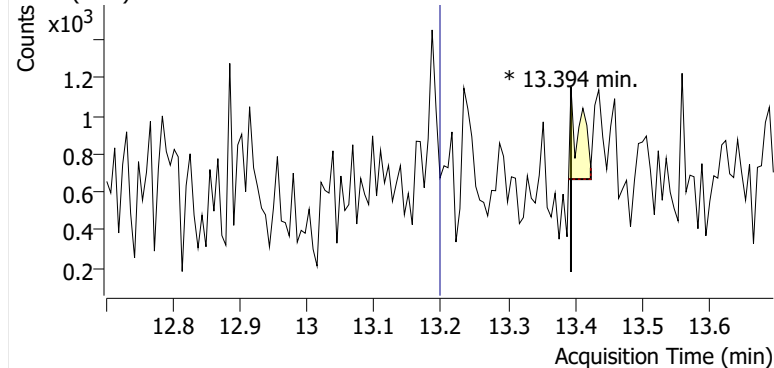
+ EIC (91.1) Scan B2500216.D



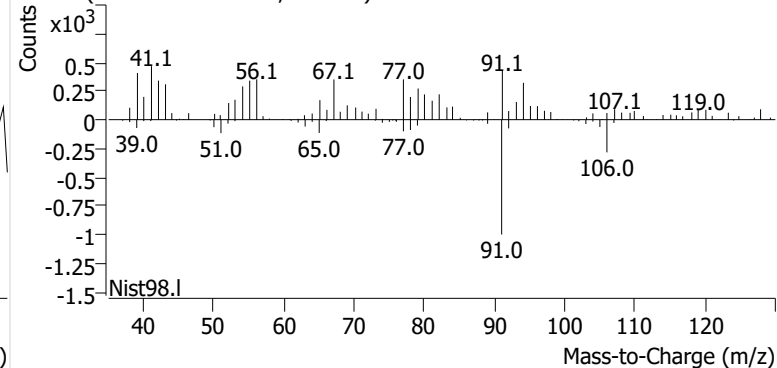
+ Scan (10.765-10.864 min, 17 scans) B2500216.D

**Ethylbenzene**

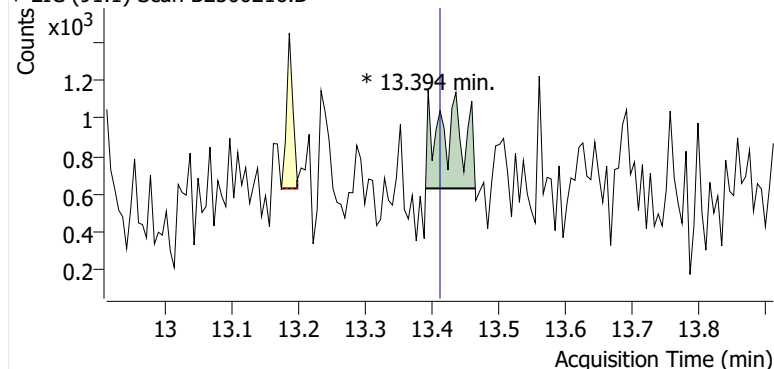
+ EIC (91.1) Scan B2500216.D



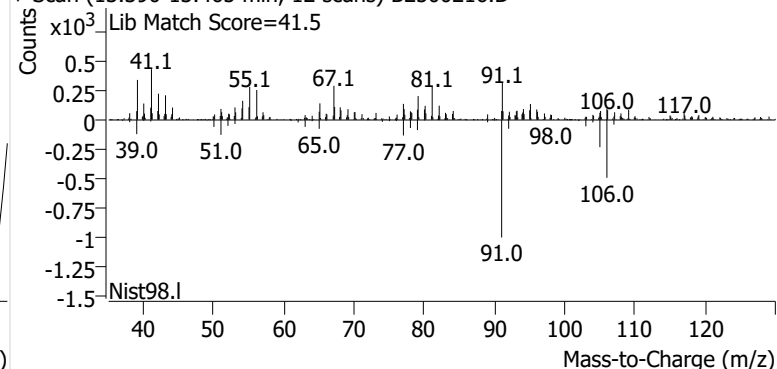
+ Scan (13.394-13.394 min, 1 scans) B2500216.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500216.D

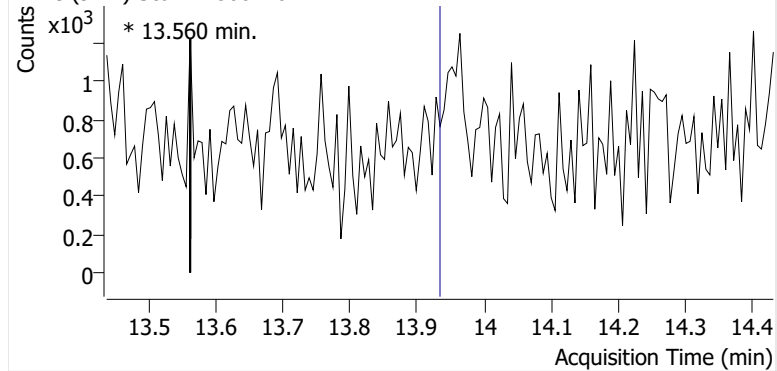


+ Scan (13.390-13.465 min, 12 scans) B2500216.D

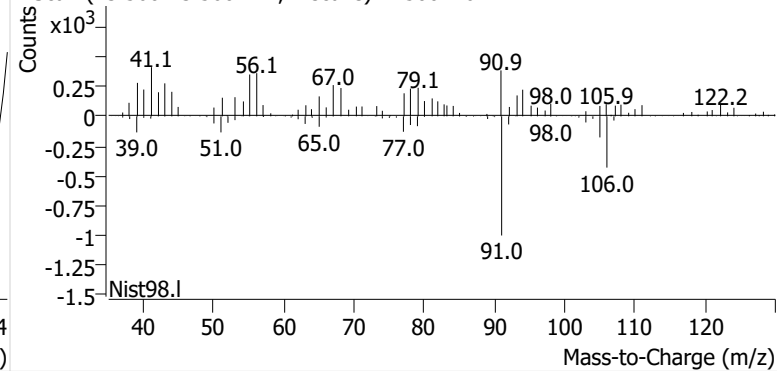


o-Xylene

+ EIC (91.1) Scan B2500216.D

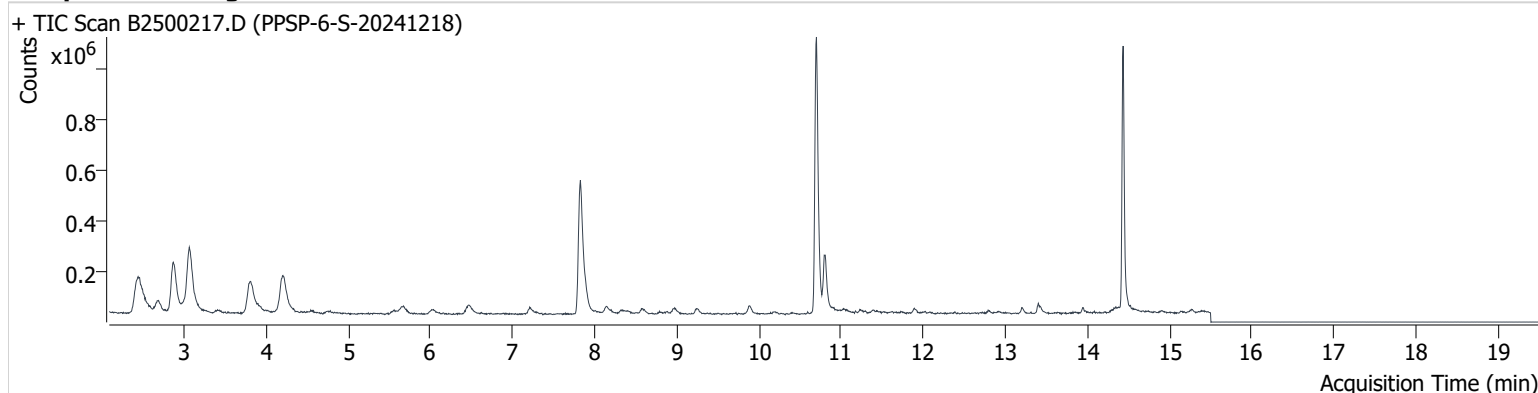


+ Scan (13.560-13.560 min, 1 scans) B2500216.D



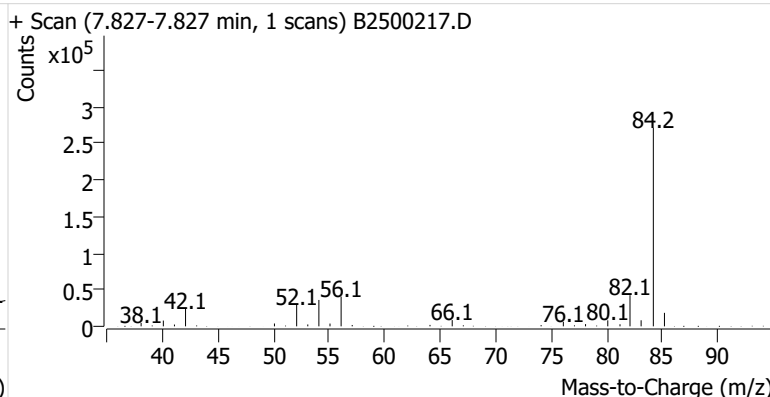
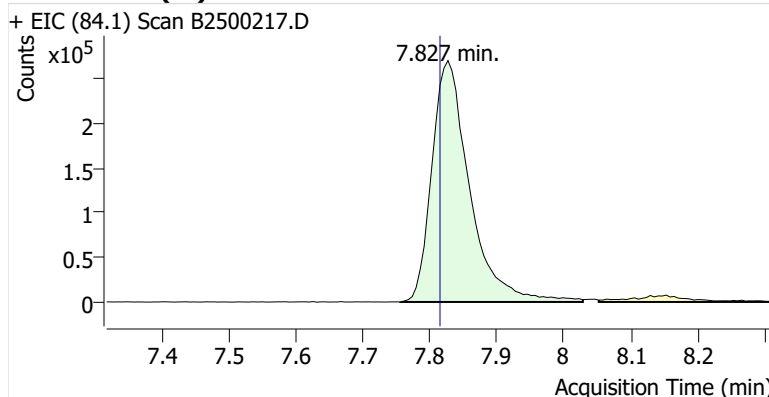
Name PPSP-6-S-20241218
Comment B46249
Data File B2500217.D
Acq. Date-Time 1/11/2025 2:47:51 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

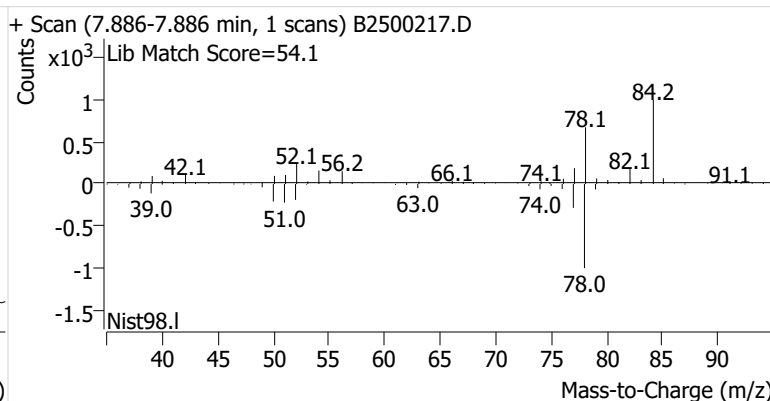
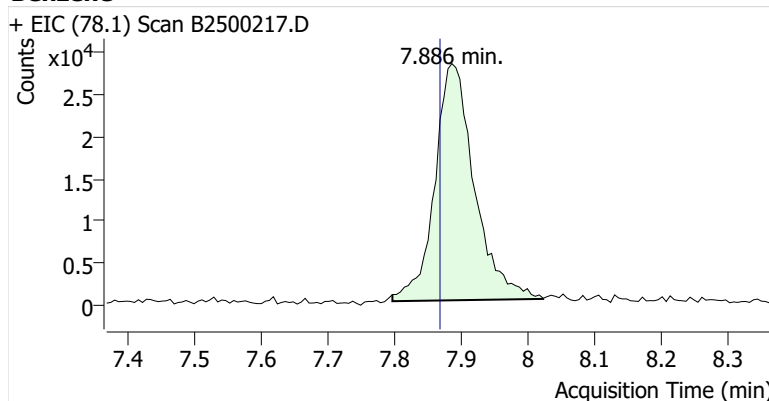


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.827	7.815	1,061,118	
Benzene	benzene-d6 (IS)	7.886	7.868	116,099	
Toluene-d8 (IS)		10.699	10.693	1,204,428	
Toluene	Toluene-d8 (IS)	10.800	10.794	256,382	
Ethylbenzene	Toluene-d8 (IS)	13.204	13.198	22,010	
m-/p-Xylenes	Toluene-d8 (IS)	13.400	13.412	43,004	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	17,001	

benzene-d6 (IS)

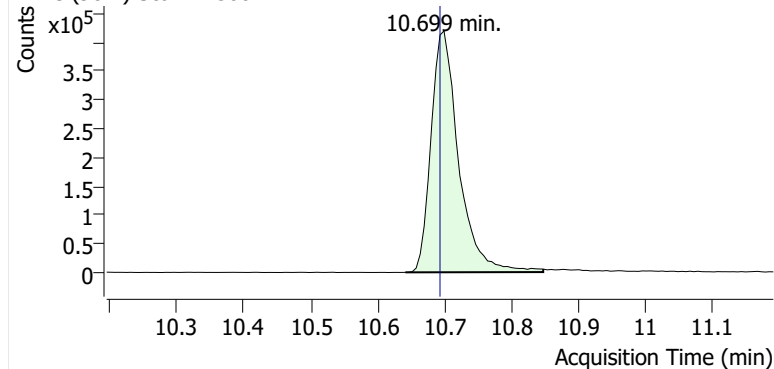


Benzene

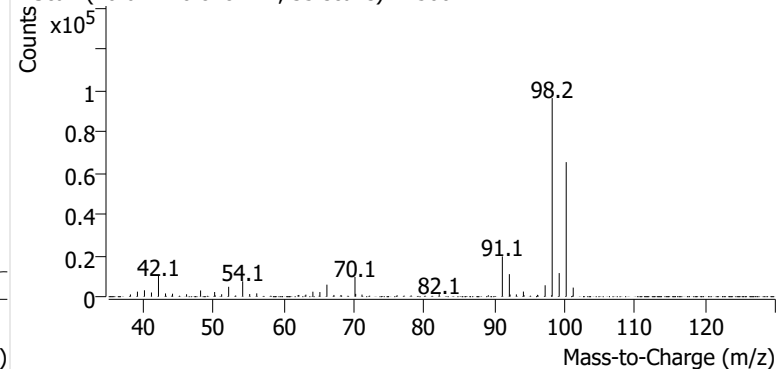


Toluene-d8 (IS)

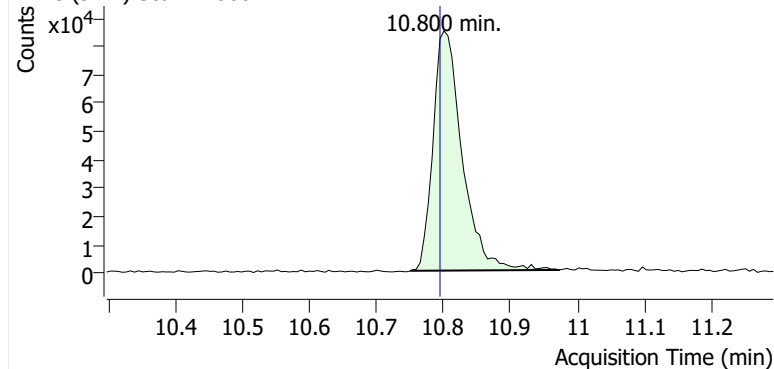
+ EIC (98.1) Scan B2500217.D



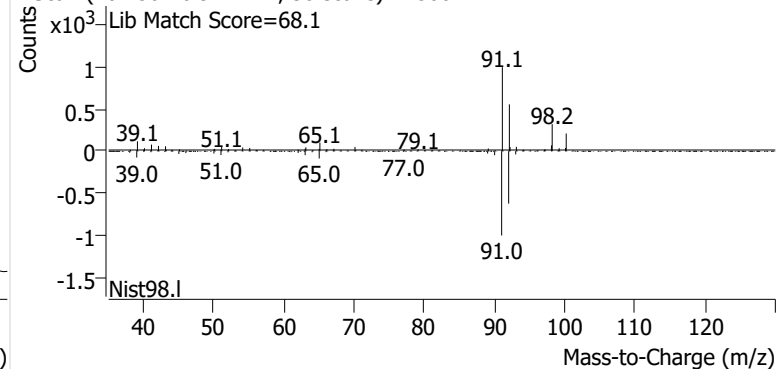
+ Scan (10.642-10.848 min, 35 scans) B2500217.D

**Toluene**

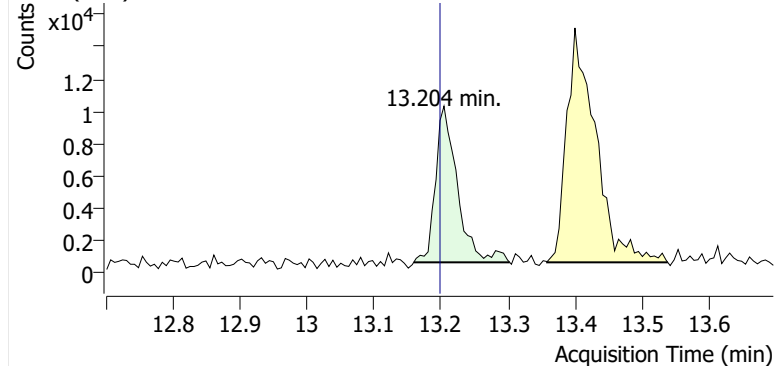
+ EIC (91.1) Scan B2500217.D



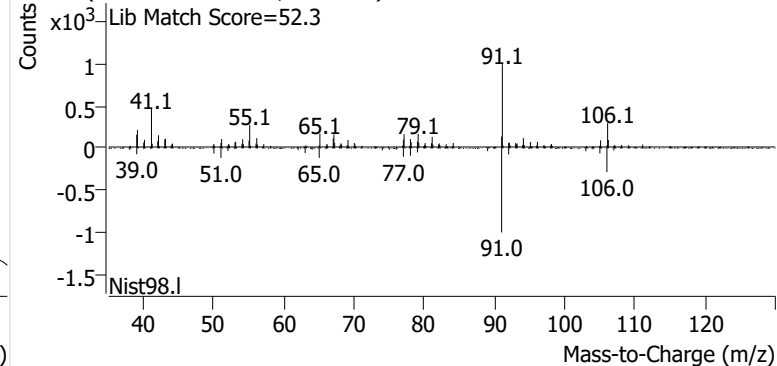
+ Scan (10.750-10.972 min, 38 scans) B2500217.D

**Ethylbenzene**

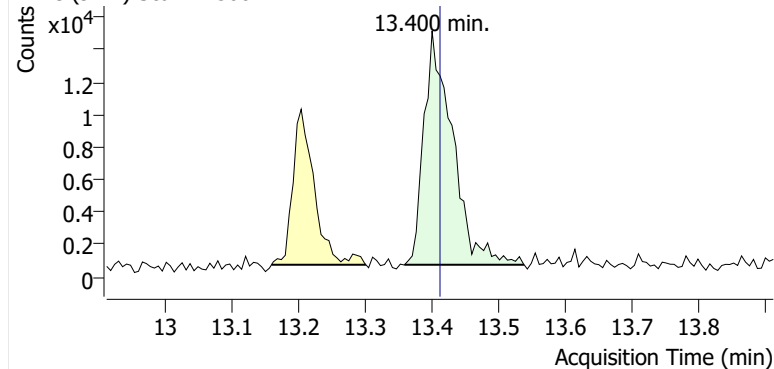
+ EIC (91.1) Scan B2500217.D



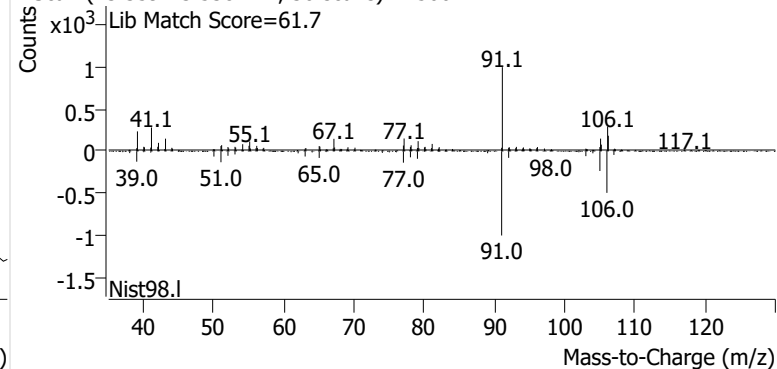
+ Scan (13.159-13.302 min, 24 scans) B2500217.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500217.D

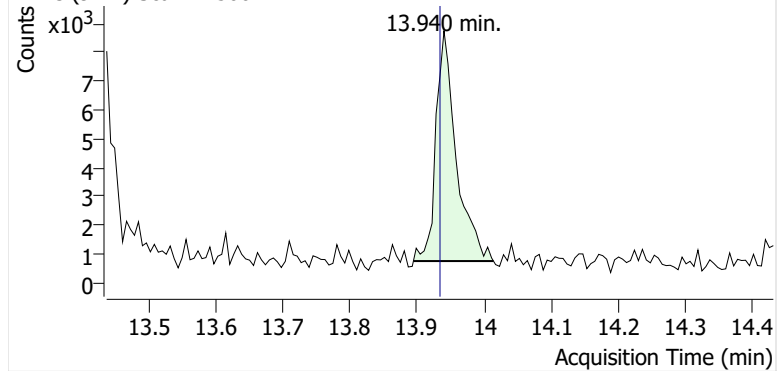


+ Scan (13.359-13.538 min, 30 scans) B2500217.D

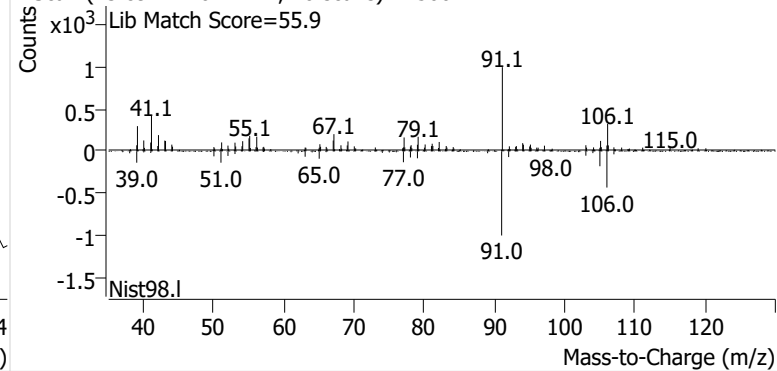


o-Xylene

+ EIC (91.1) Scan B2500217.D

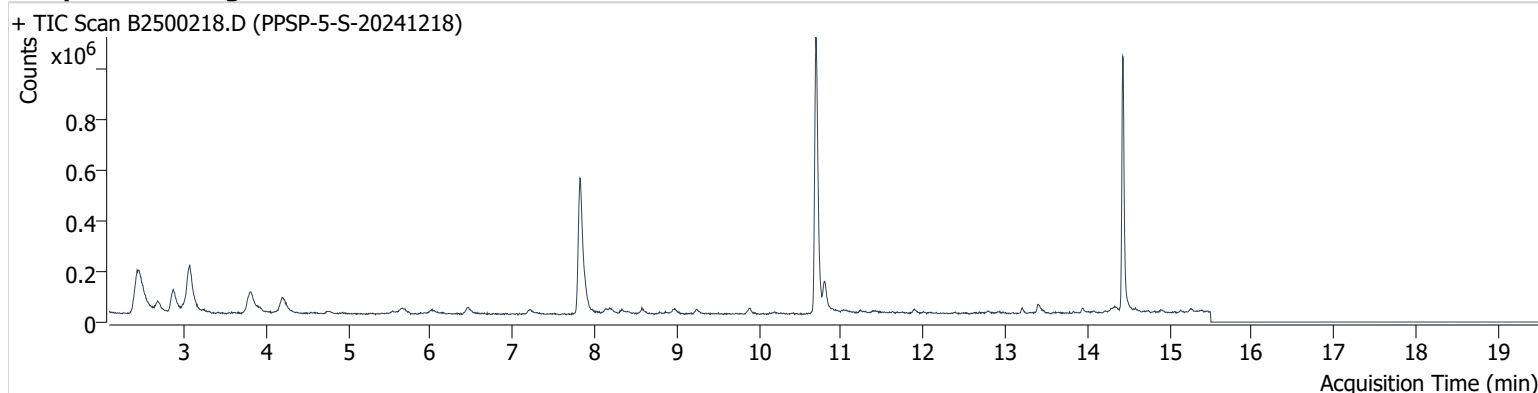


+ Scan (13.894-14.014 min, 20 scans) B2500217.D



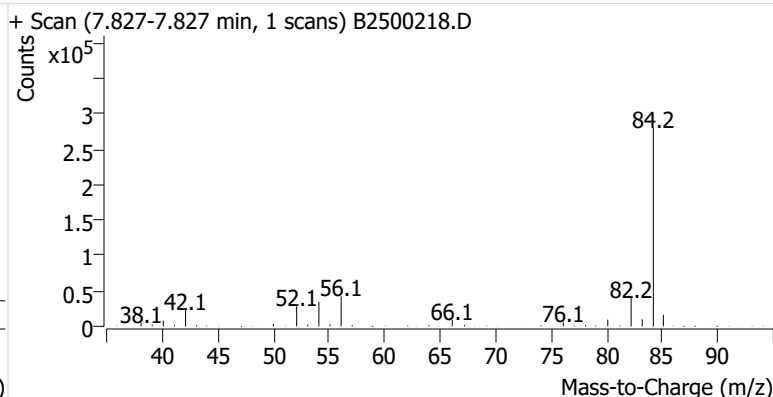
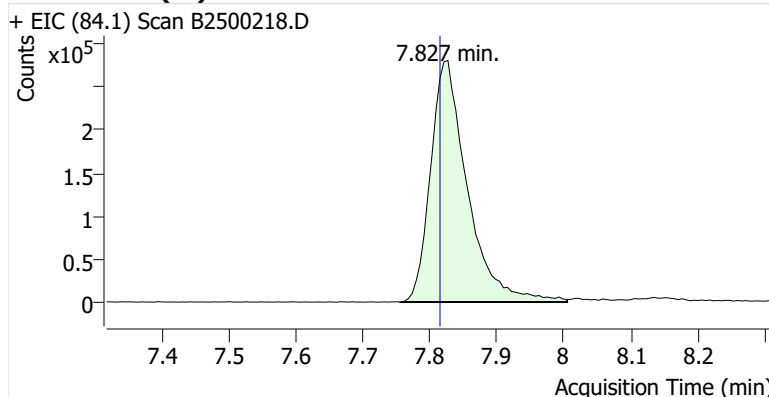
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Comment C53603
Data File B2500218.D
Acq. Date-Time 1/11/2025 3:25:10 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

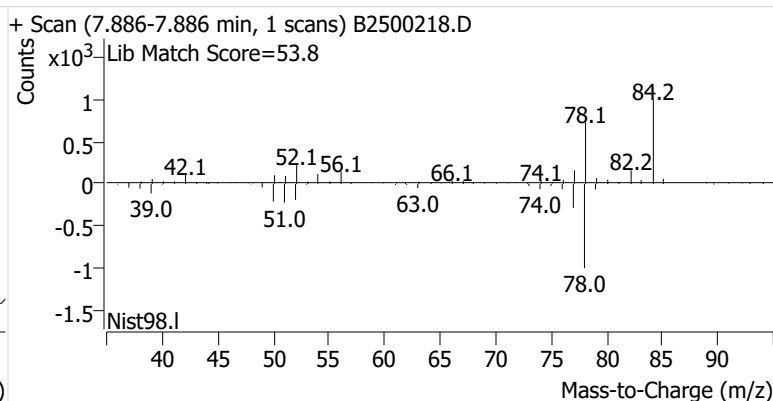
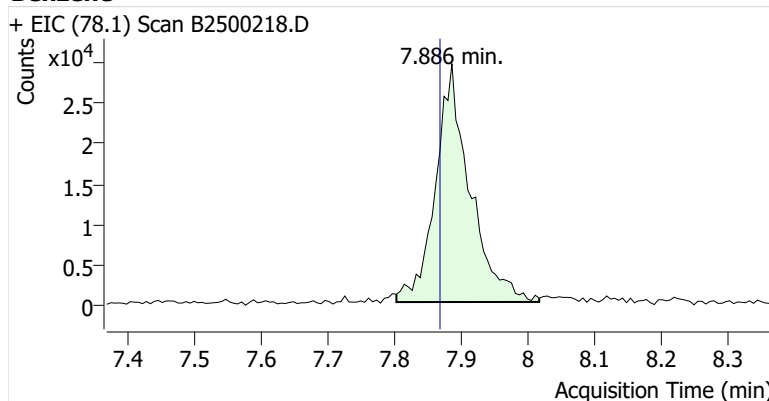


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.827	7.815	1,070,511	
Benzene	benzene-d6 (IS)	7.886	7.868	104,592	
Toluene-d8 (IS)		10.694	10.693	1,220,190	
Toluene	Toluene-d8 (IS)	10.800	10.794	126,342	
Ethylbenzene	Toluene-d8 (IS)	13.204	13.198	17,985	
m-/p-Xylenes	Toluene-d8 (IS)	13.412	13.412	40,275	
o-Xylene	Toluene-d8 (IS)	13.946	13.934	14,826	

benzene-d6 (IS)

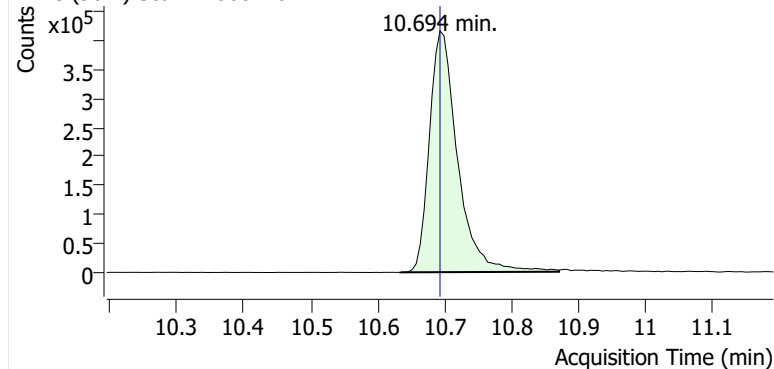


Benzene

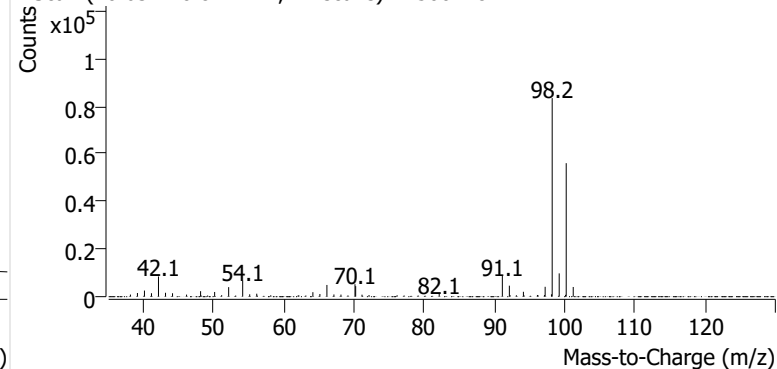


Toluene-d8 (IS)

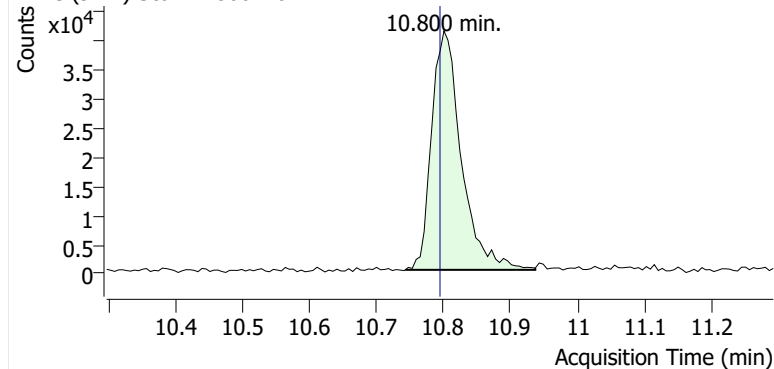
+ EIC (98.1) Scan B2500218.D



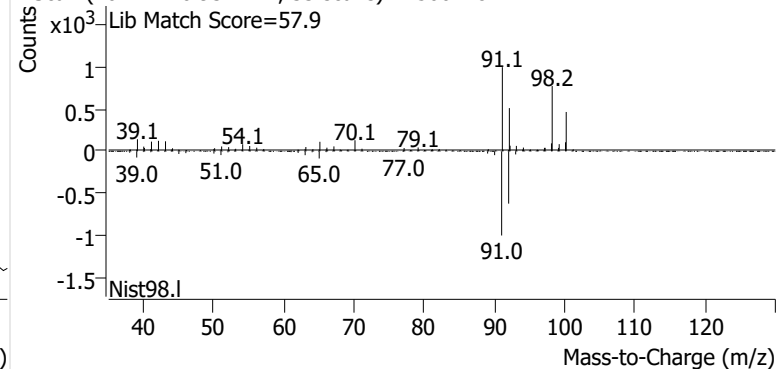
+ Scan (10.634-10.872 min, 41 scans) B2500218.D

**Toluene**

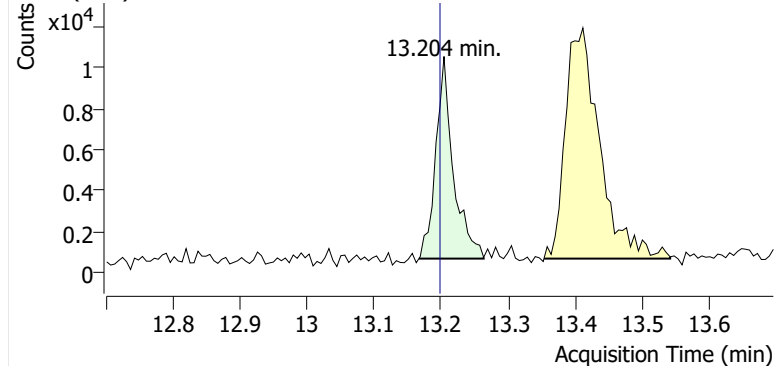
+ EIC (91.1) Scan B2500218.D



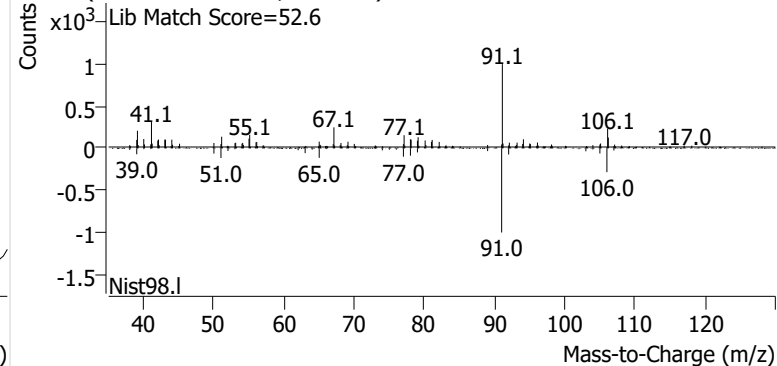
+ Scan (10.742-10.937 min, 33 scans) B2500218.D

**Ethylbenzene**

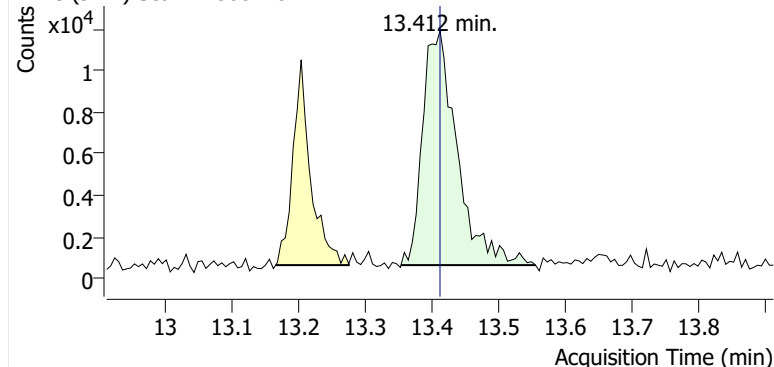
+ EIC (91.1) Scan B2500218.D



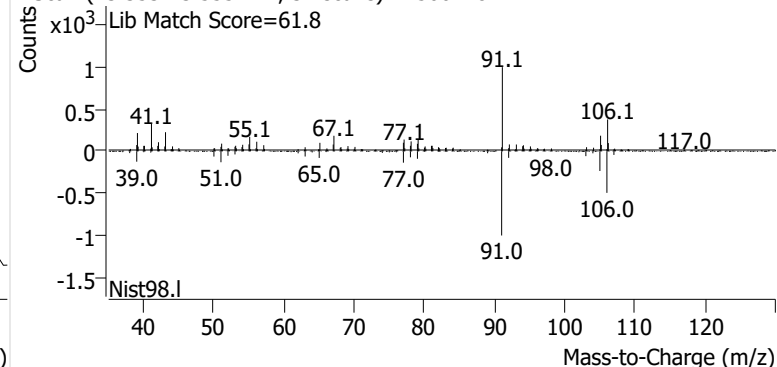
+ Scan (13.167-13.264 min, 17 scans) B2500218.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500218.D

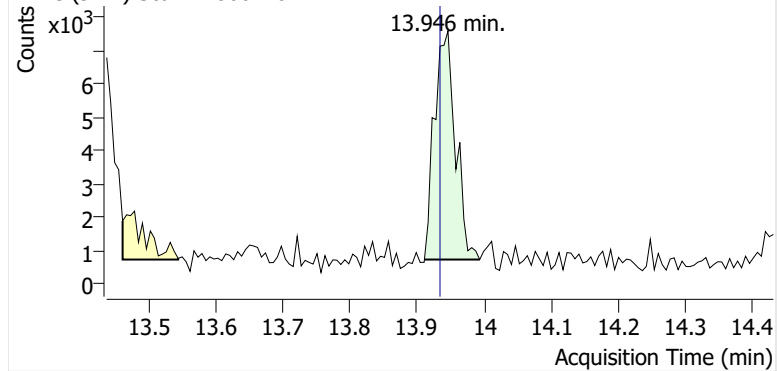


+ Scan (13.353-13.555 min, 34 scans) B2500218.D

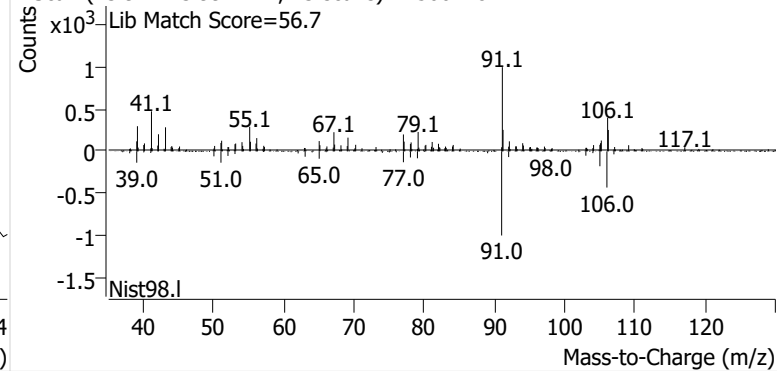


o-Xylene

+ EIC (91.1) Scan B2500218.D

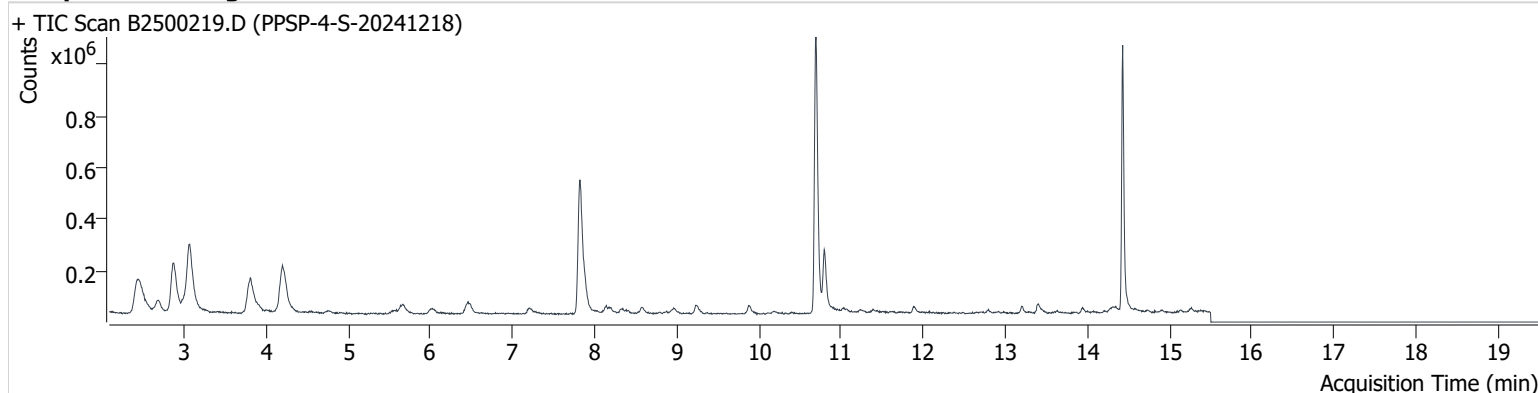


+ Scan (13.911-13.994 min, 13 scans) B2500218.D



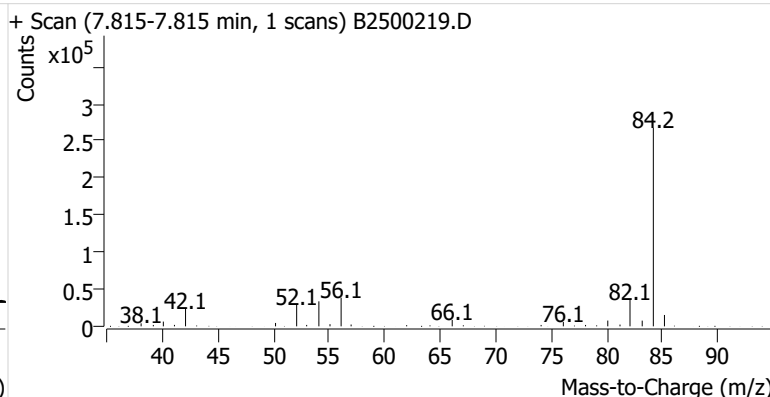
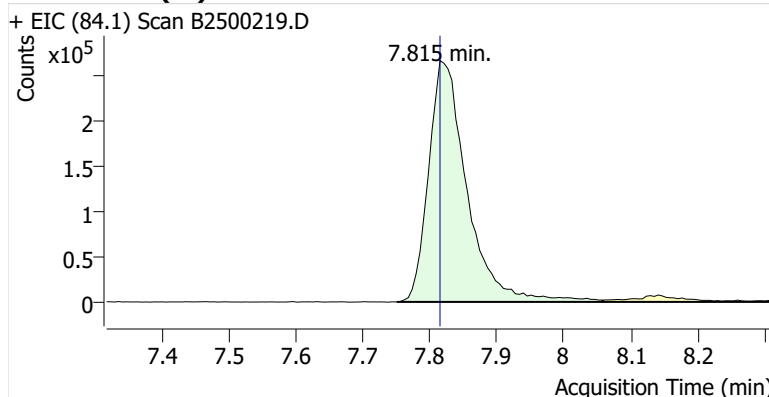
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Comment C16151
Data File B2500219.D
Acq. Date-Time 1/11/2025 4:02:30 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

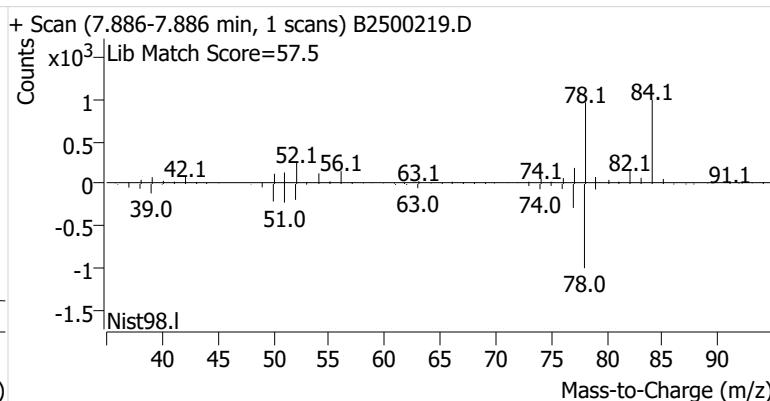
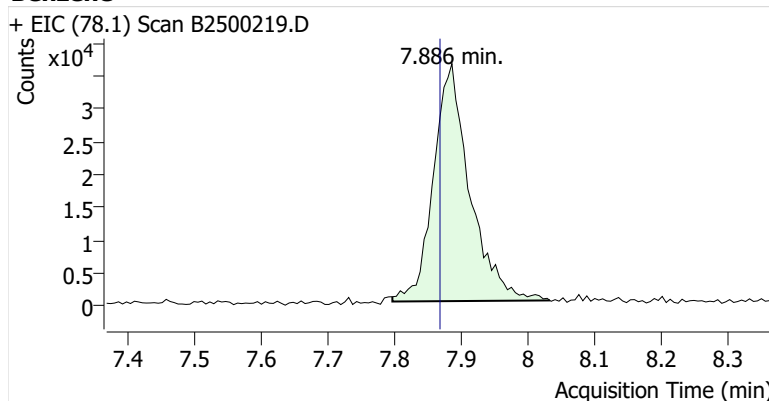


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,063,816	
Benzene	benzene-d6 (IS)	7.886	7.868	136,849	
Toluene-d8 (IS)		10.693	10.693	1,201,391	
Toluene	Toluene-d8 (IS)	10.794	10.794	266,724	
Ethylbenzene	Toluene-d8 (IS)	13.198	13.198	25,932	
m-/p-Xylenes	Toluene-d8 (IS)	13.394	13.412	40,268	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	17,954	

benzene-d6 (IS)

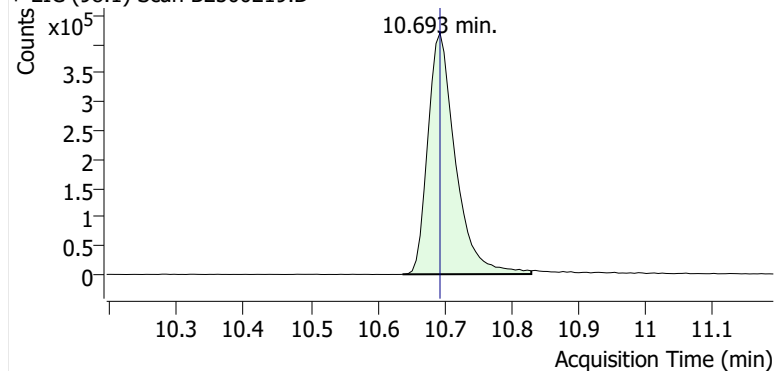


Benzene

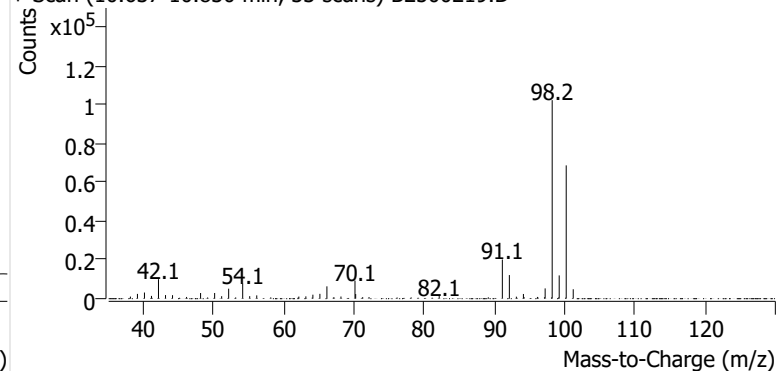


Toluene-d8 (IS)

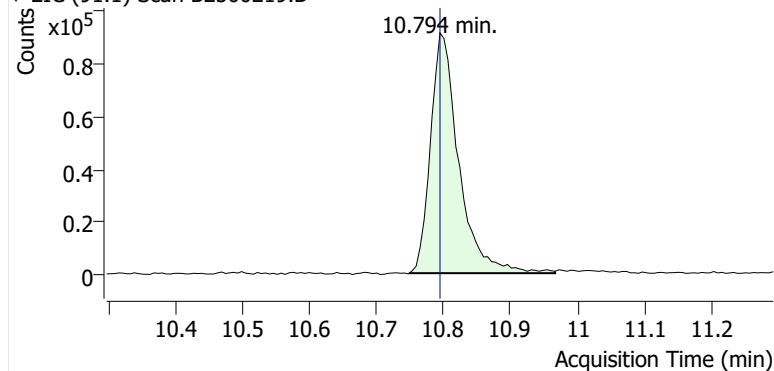
+ EIC (98.1) Scan B2500219.D



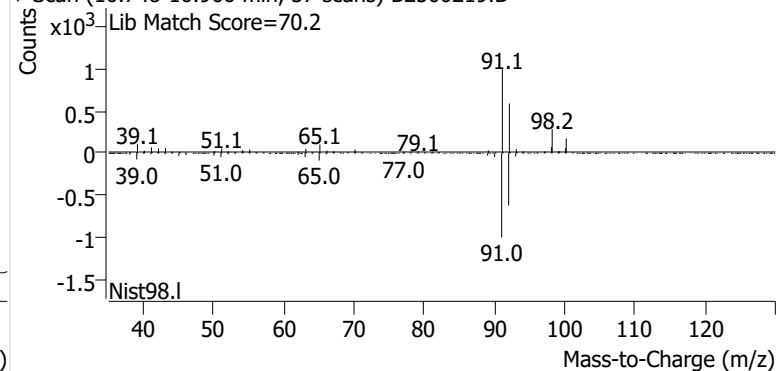
+ Scan (10.637-10.830 min, 33 scans) B2500219.D

**Toluene**

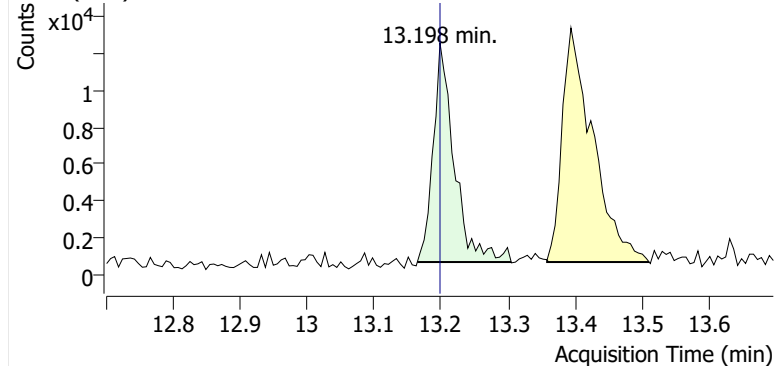
+ EIC (91.1) Scan B2500219.D



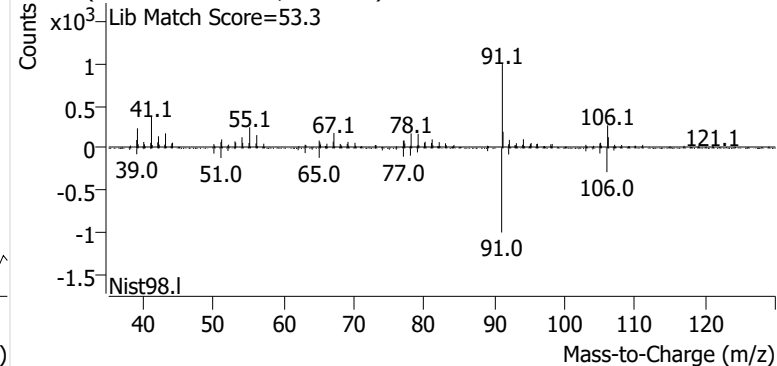
+ Scan (10.748-10.966 min, 37 scans) B2500219.D

**Ethylbenzene**

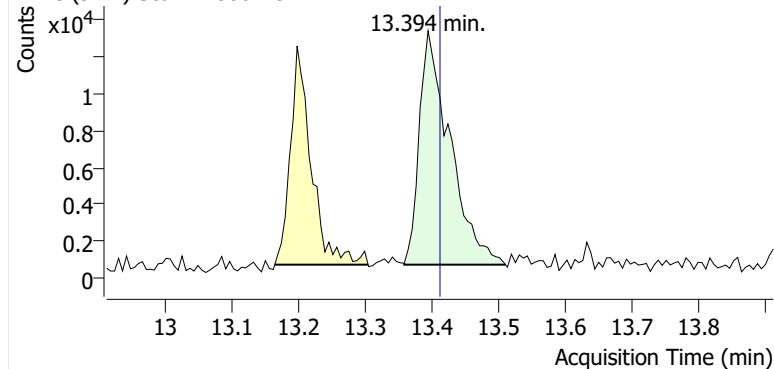
+ EIC (91.1) Scan B2500219.D



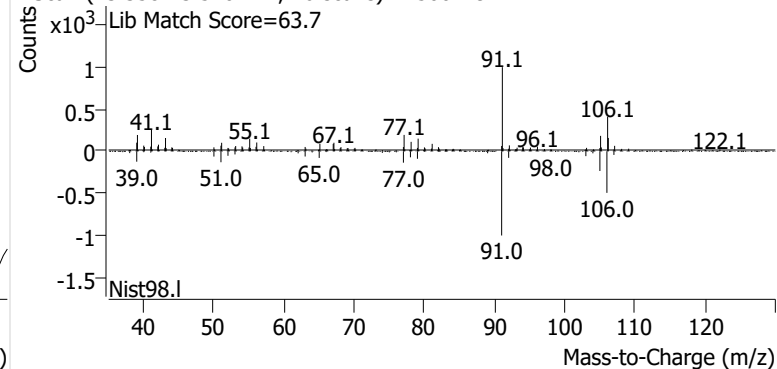
+ Scan (13.164-13.305 min, 23 scans) B2500219.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500219.D

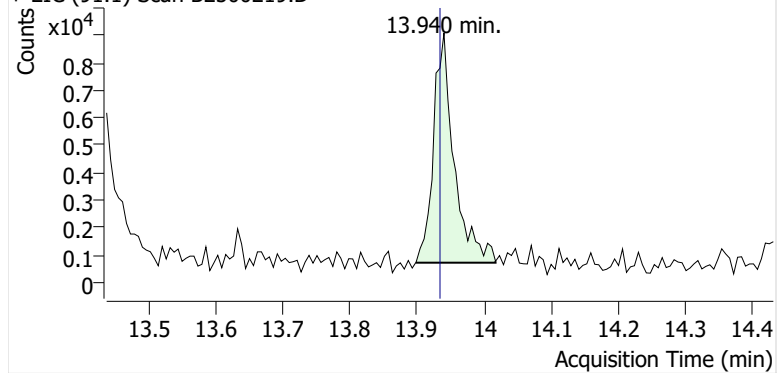


+ Scan (13.358-13.510 min, 26 scans) B2500219.D

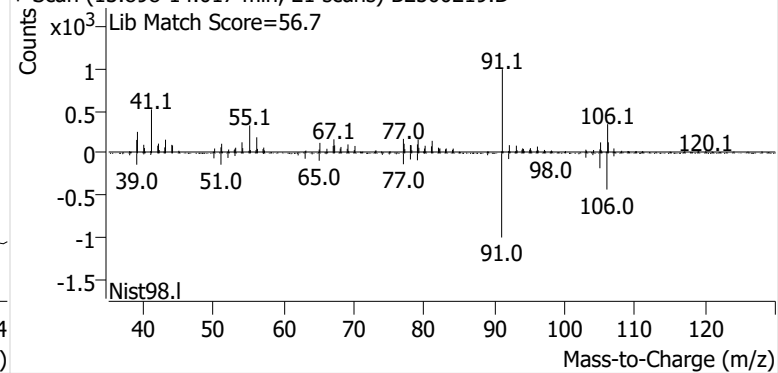


o-Xylene

+ EIC (91.1) Scan B2500219.D

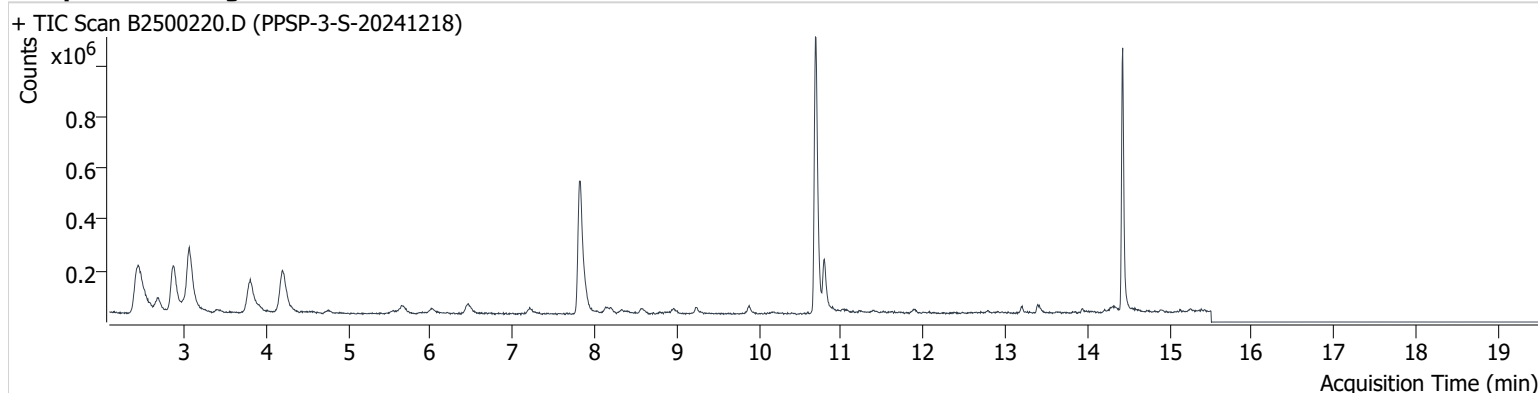


+ Scan (13.898-14.017 min, 21 scans) B2500219.D



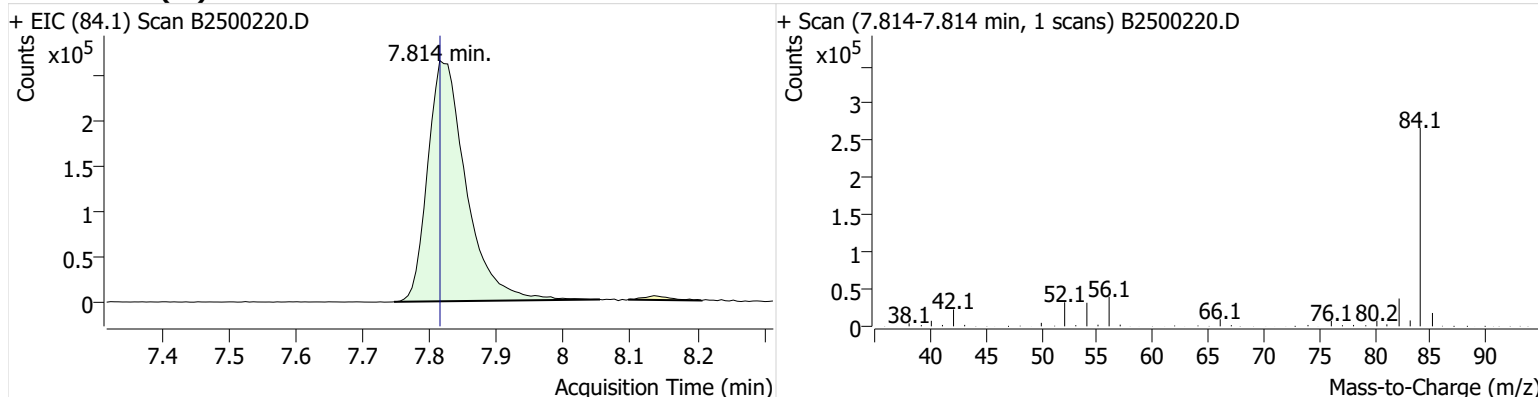
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Comment C35870
Data File B2500220.D
Acq. Date-Time 1/11/2025 4:39:50 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

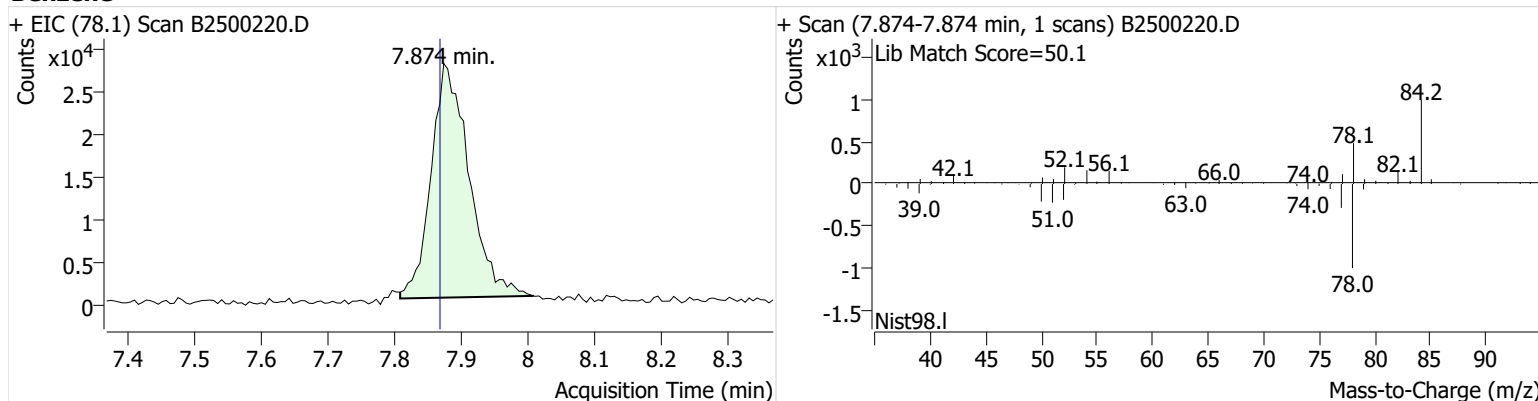


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.814	7.815	1,063,242	
Benzene	benzene-d6 (IS)	7.874	7.868	107,732	
Toluene-d8 (IS)		10.693	10.693	1,211,504	
Toluene	Toluene-d8 (IS)	10.794	10.794	221,382	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	25,370	
m-/p-Xylenes	Toluene-d8 (IS)	13.394	13.412	36,226	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	12,972	

benzene-d6 (IS)

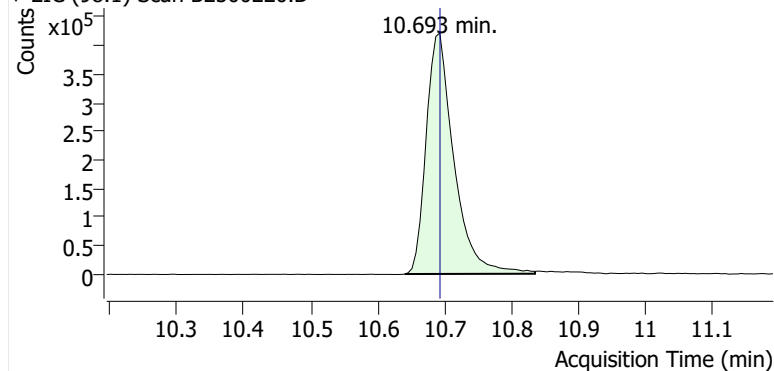


Benzene

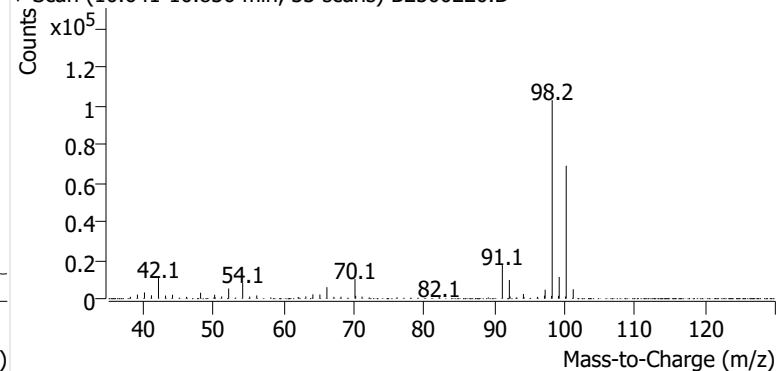


Toluene-d8 (IS)

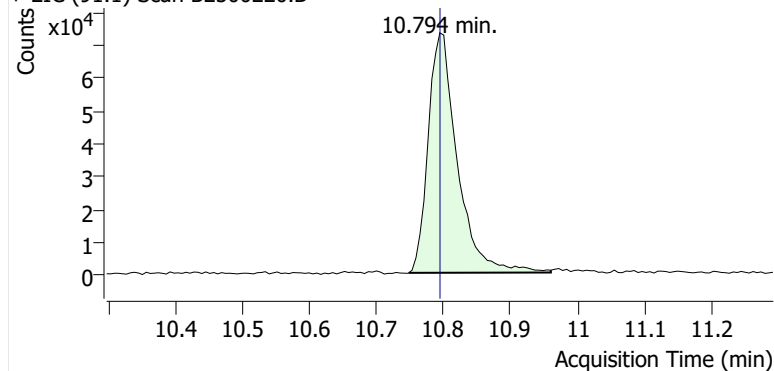
+ EIC (98.1) Scan B2500220.D



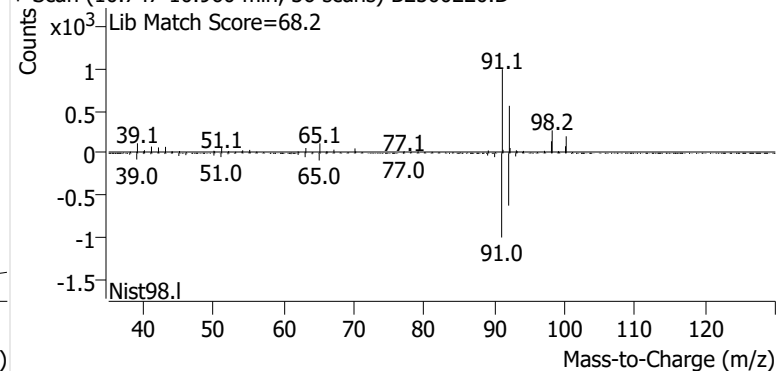
+ Scan (10.641-10.836 min, 33 scans) B2500220.D

**Toluene**

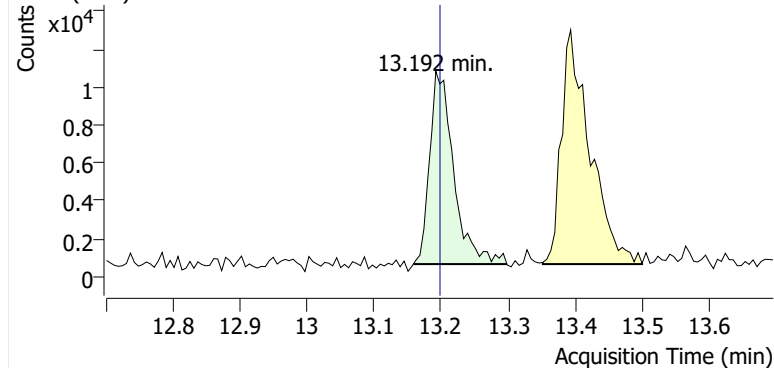
+ EIC (91.1) Scan B2500220.D



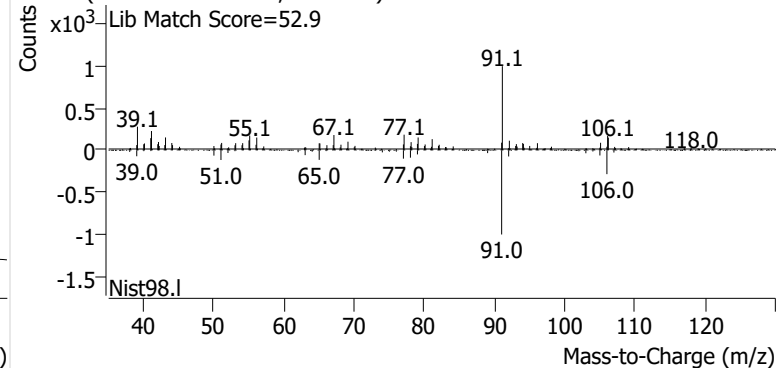
+ Scan (10.747-10.960 min, 36 scans) B2500220.D

**Ethylbenzene**

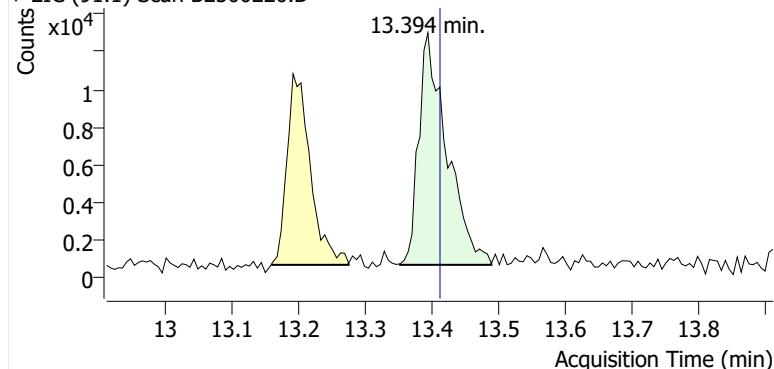
+ EIC (91.1) Scan B2500220.D



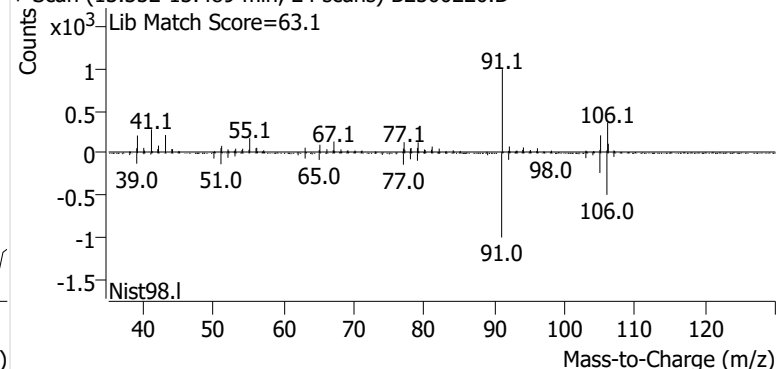
+ Scan (13.158-13.298 min, 23 scans) B2500220.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500220.D

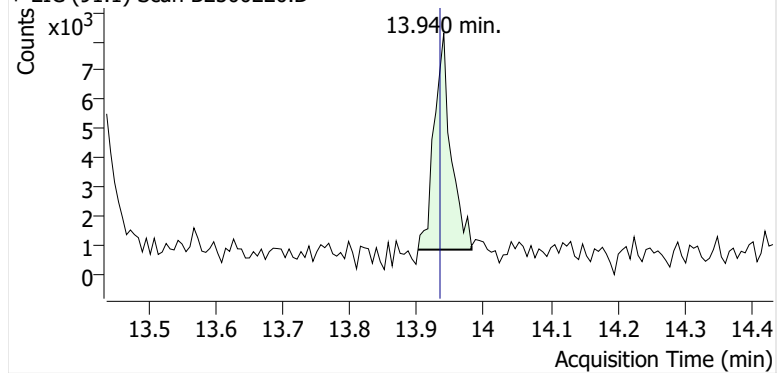


+ Scan (13.352-13.489 min, 24 scans) B2500220.D

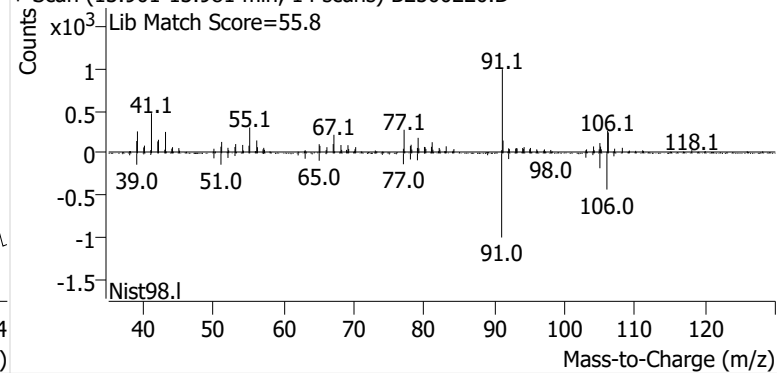


o-Xylene

+ EIC (91.1) Scan B2500220.D

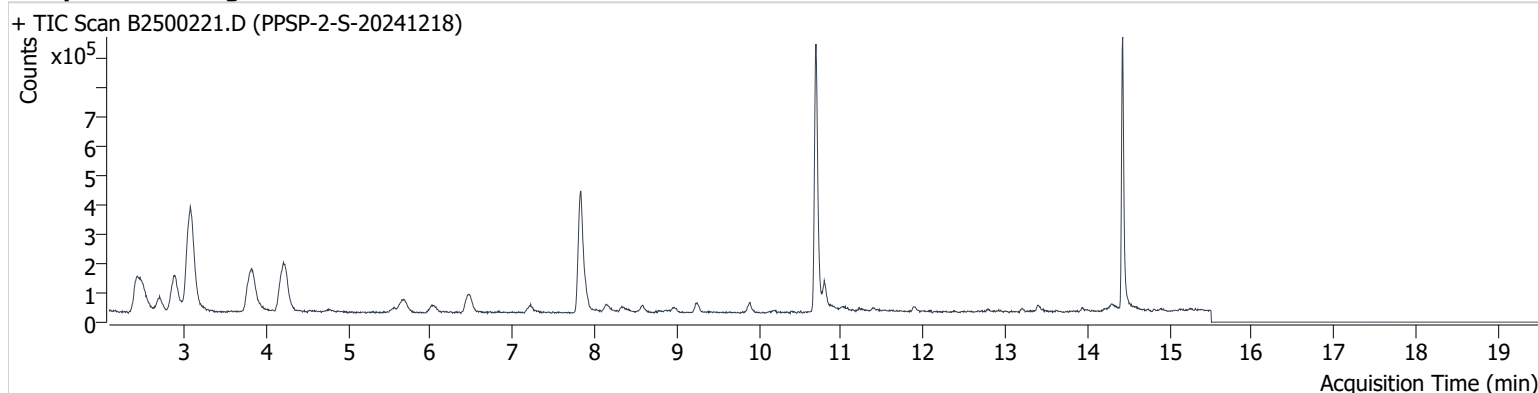


+ Scan (13.901-13.981 min, 14 scans) B2500220.D



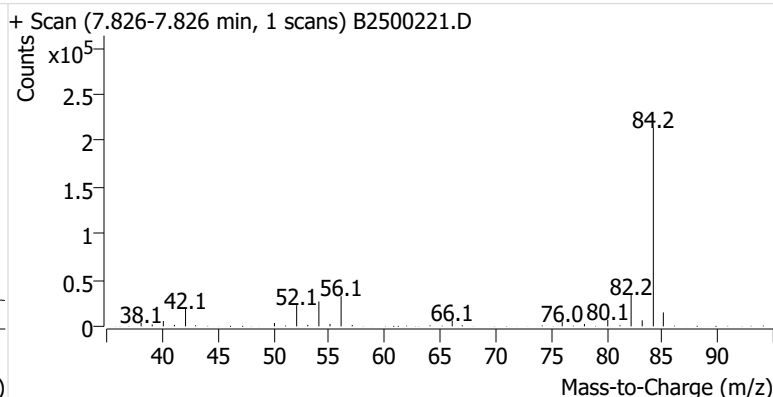
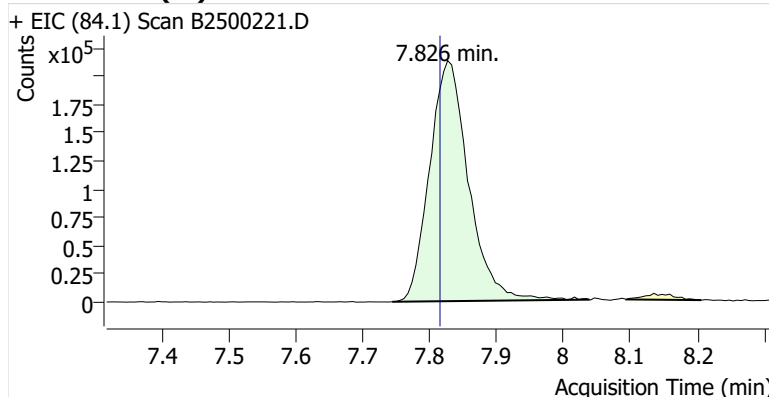
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Comment C01554
Data File B2500221.D
Acq. Date-Time 1/11/2025 5:17:08 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

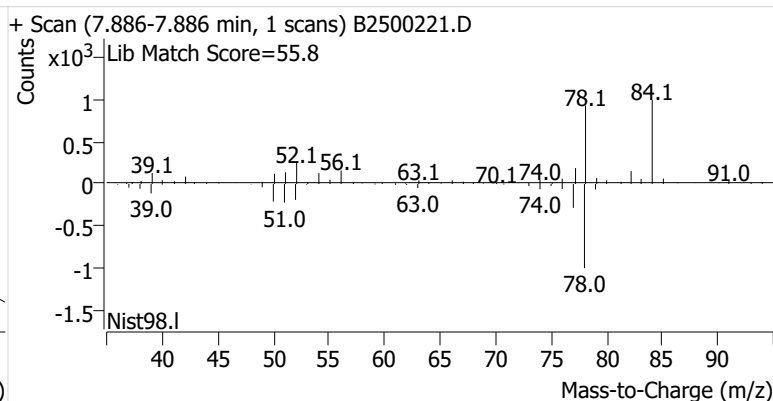
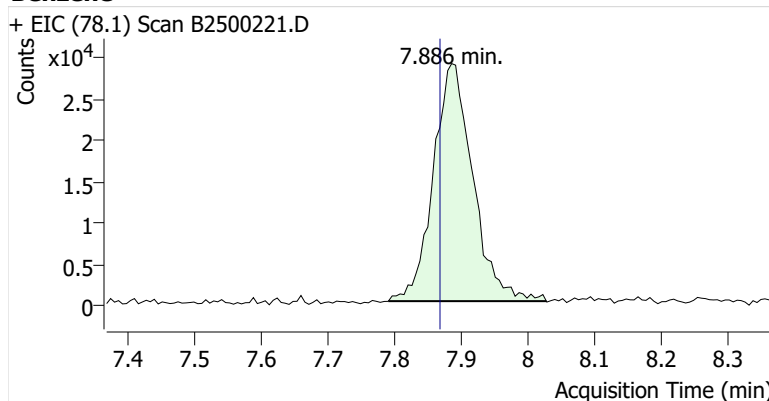


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.826	7.815	862,138	
Benzene	benzene-d6 (IS)	7.886	7.868	118,653	
Toluene-d8 (IS)		10.693	10.693	1,019,409	
Toluene	Toluene-d8 (IS)	10.794	10.794	88,884	
Ethylbenzene	Toluene-d8 (IS)	13.204	13.198	12,719	
m-/p-Xylenes	Toluene-d8 (IS)	13.394	13.412	23,986	
o-Xylene	Toluene-d8 (IS)	13.940	13.934	10,418	

benzene-d6 (IS)

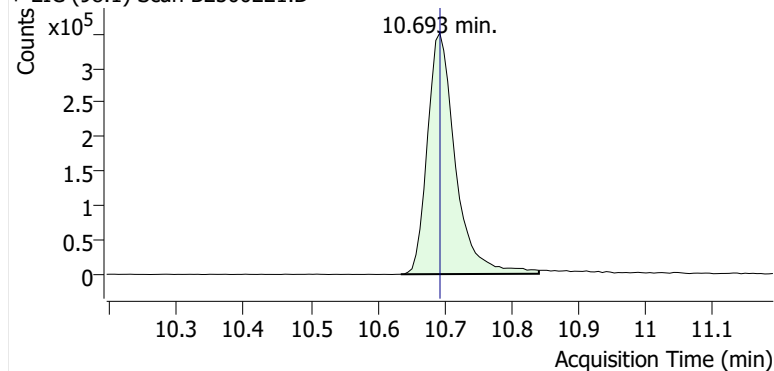


Benzene

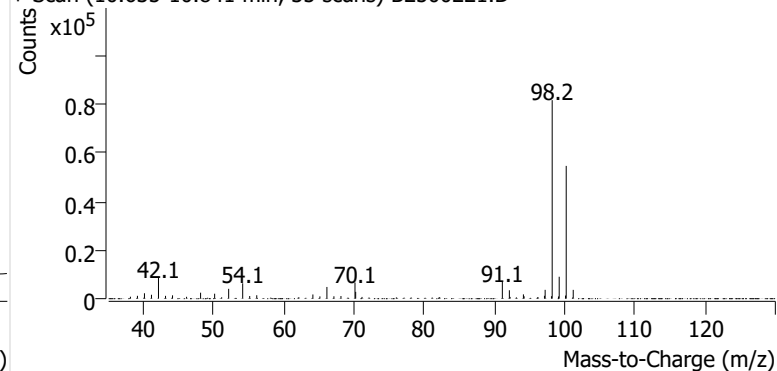


Toluene-d8 (IS)

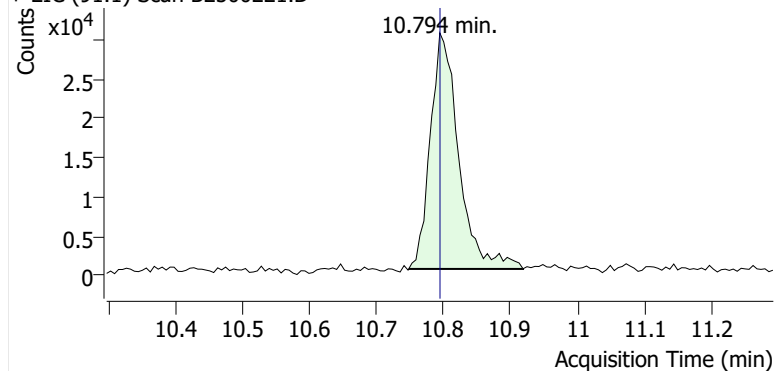
+ EIC (98.1) Scan B2500221.D



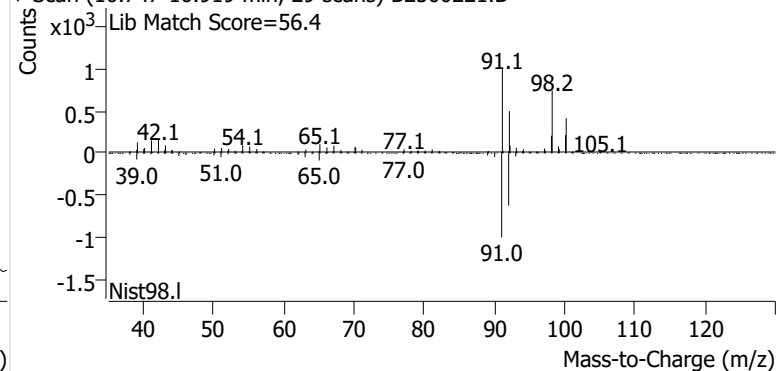
+ Scan (10.635-10.841 min, 35 scans) B2500221.D

**Toluene**

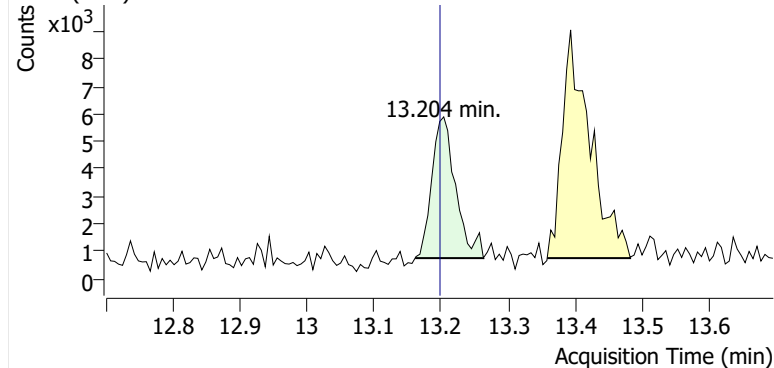
+ EIC (91.1) Scan B2500221.D



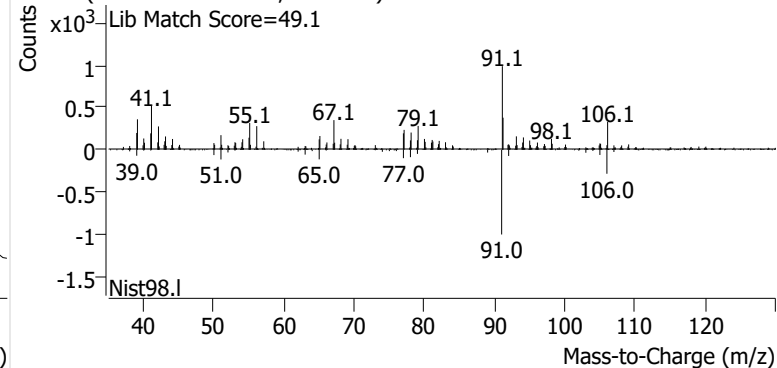
+ Scan (10.747-10.919 min, 29 scans) B2500221.D

**Ethylbenzene**

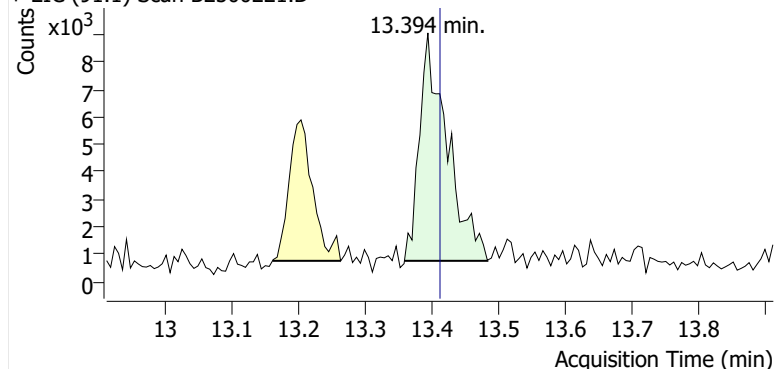
+ EIC (91.1) Scan B2500221.D



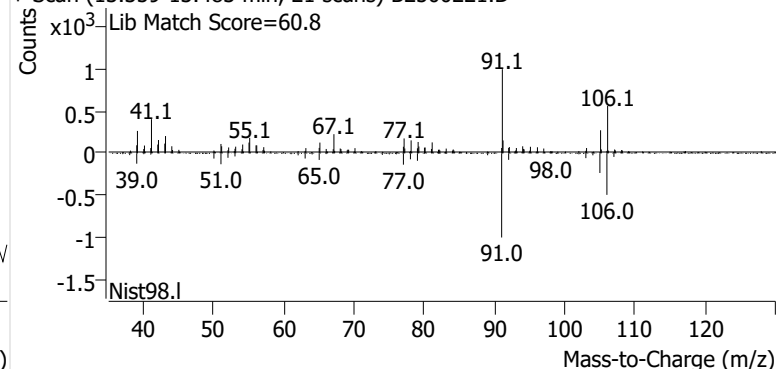
+ Scan (13.161-13.263 min, 18 scans) B2500221.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500221.D

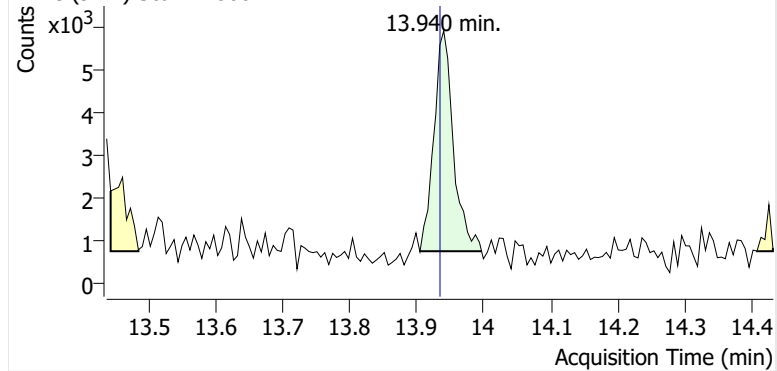


+ Scan (13.359-13.483 min, 21 scans) B2500221.D

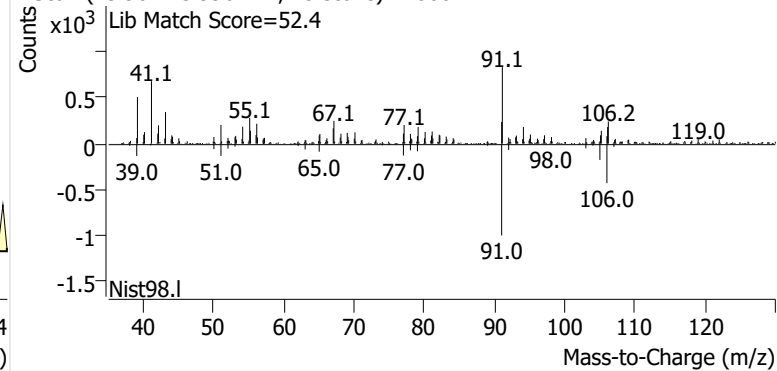


o-Xylene

+ EIC (91.1) Scan B2500221.D

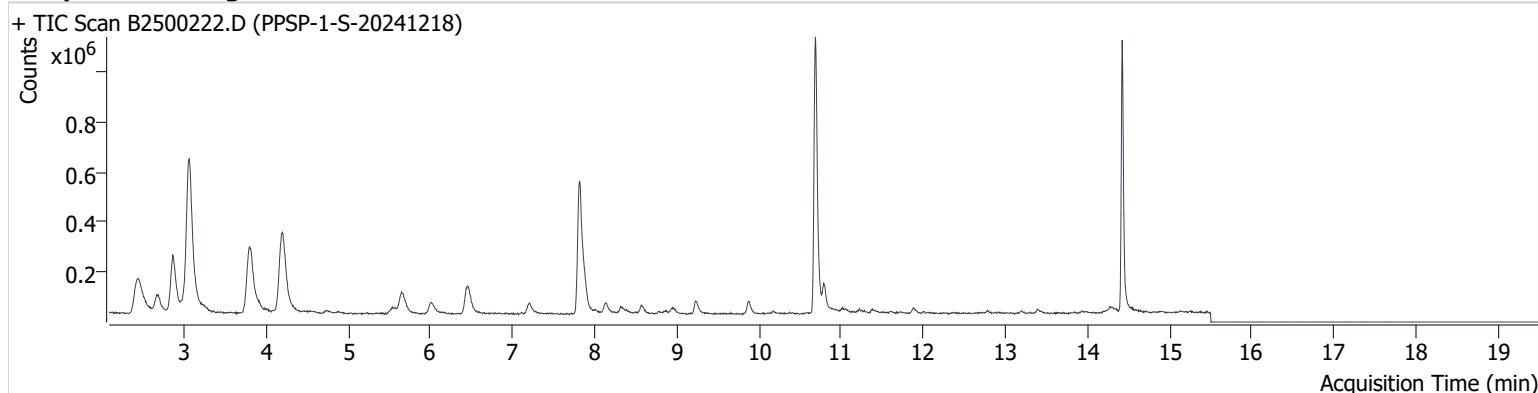


+ Scan (13.904-13.996 min, 15 scans) B2500221.D



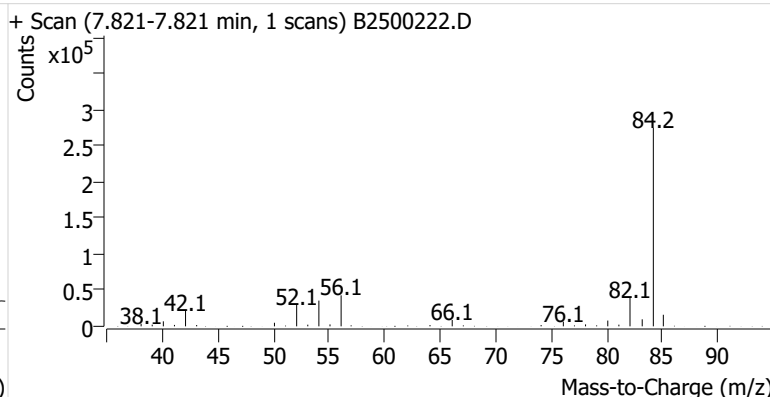
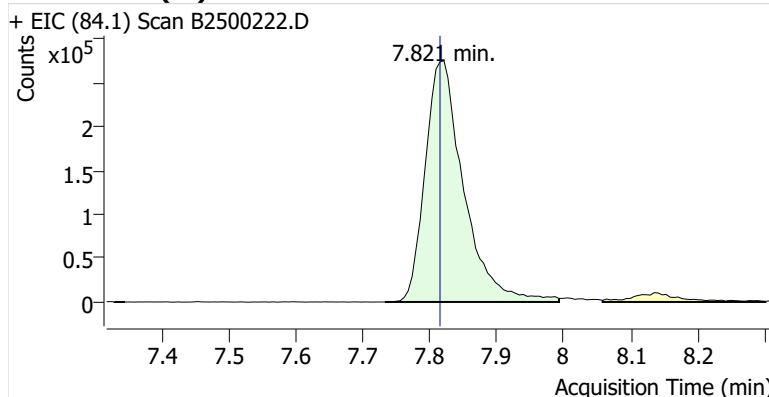
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Comment C20430
Data File B2500222.D
Acq. Date-Time 1/11/2025 5:54:30 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

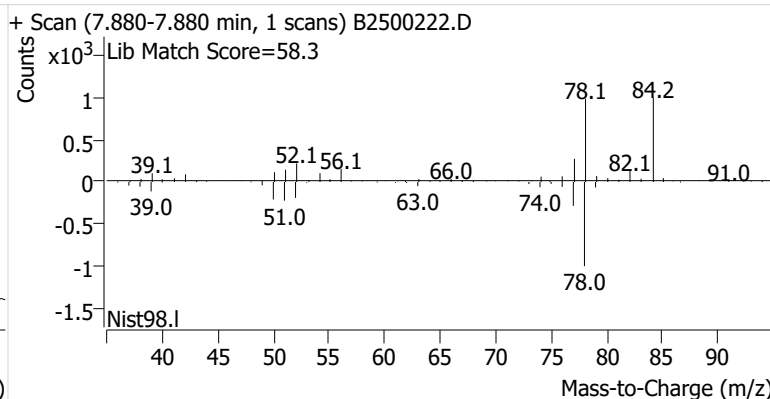
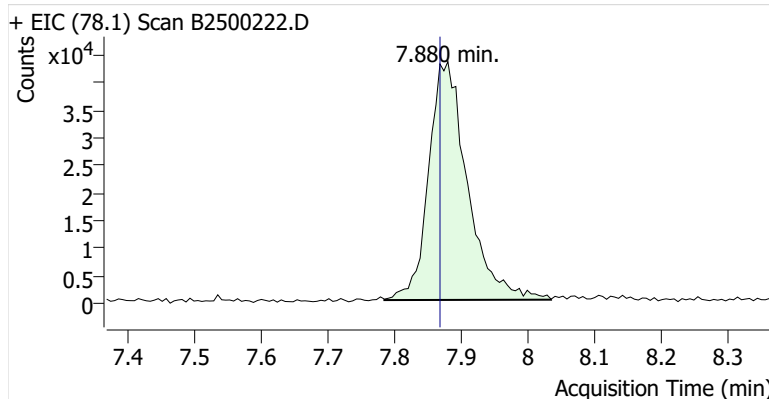


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.821	7.815	1,096,297	
Benzene	benzene-d6 (IS)	7.880	7.868	175,017	
Toluene-d8 (IS)		10.687	10.693	1,218,630	
Toluene	Toluene-d8 (IS)	10.794	10.794	105,794	
Ethylbenzene	Toluene-d8 (IS)	13.198	13.198	9,037	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	17,560	
o-Xylene	Toluene-d8 (IS)	13.934	13.934	6,411	

benzene-d6 (IS)

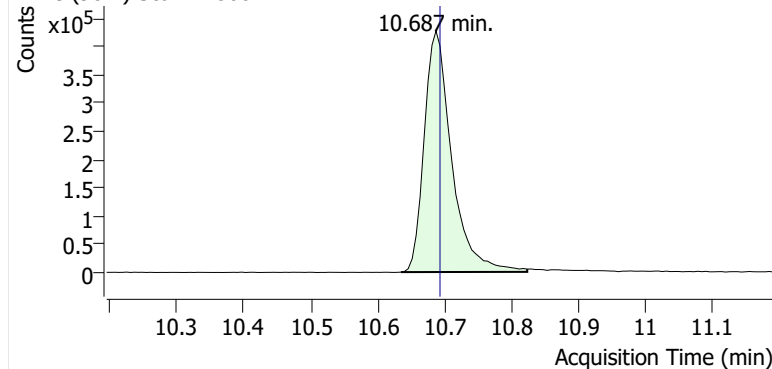


Benzene

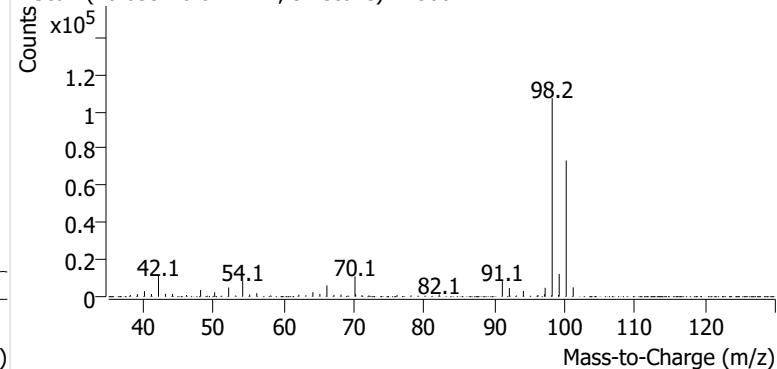


Toluene-d8 (IS)

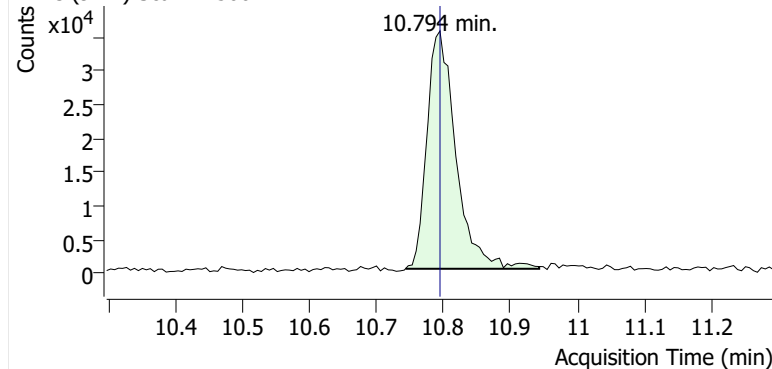
+ EIC (98.1) Scan B2500222.D



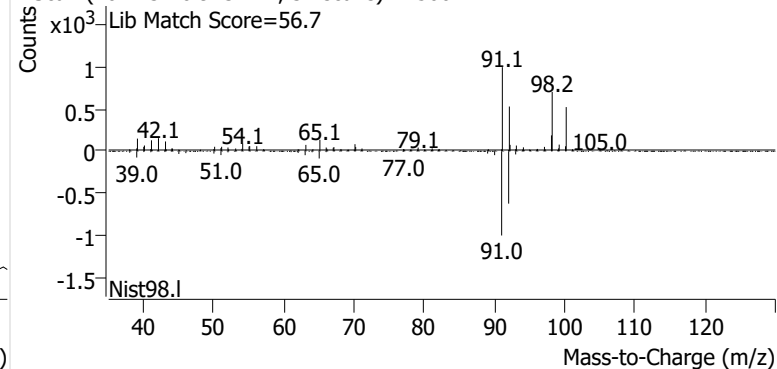
+ Scan (10.635-10.824 min, 32 scans) B2500222.D

**Toluene**

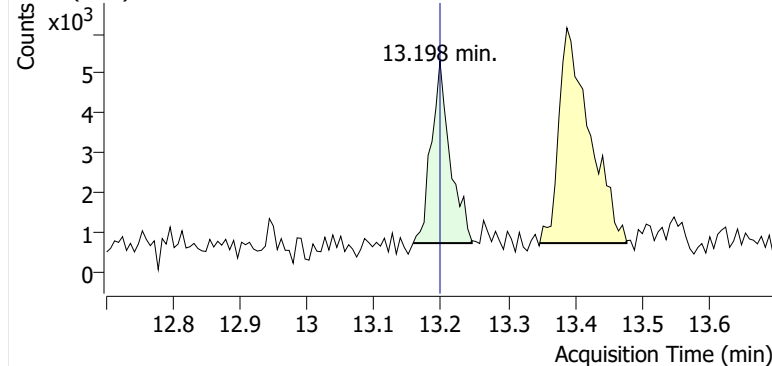
+ EIC (91.1) Scan B2500222.D



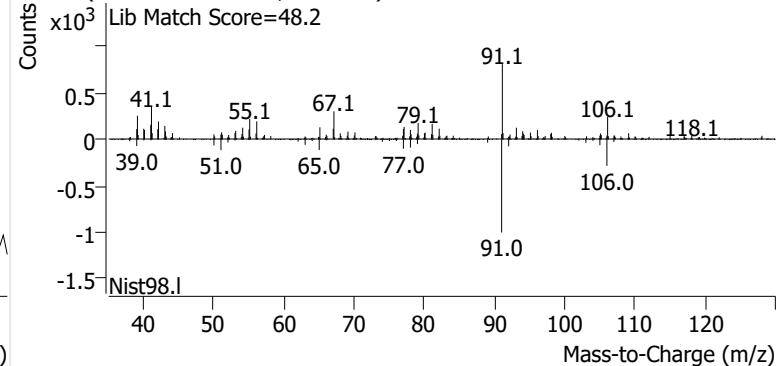
+ Scan (10.743-10.943 min, 34 scans) B2500222.D

**Ethylbenzene**

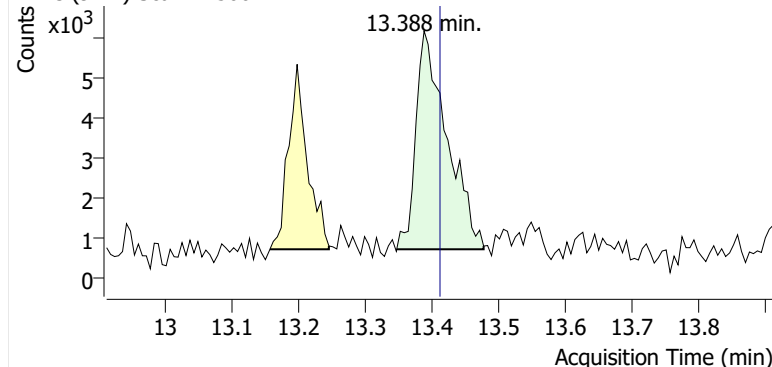
+ EIC (91.1) Scan B2500222.D



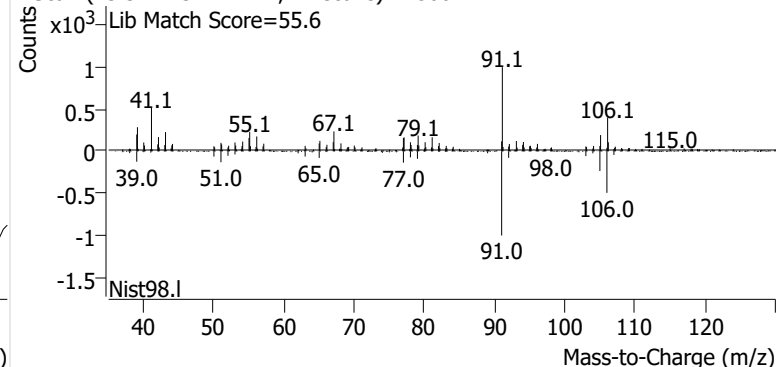
+ Scan (13.158-13.246 min, 15 scans) B2500222.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500222.D

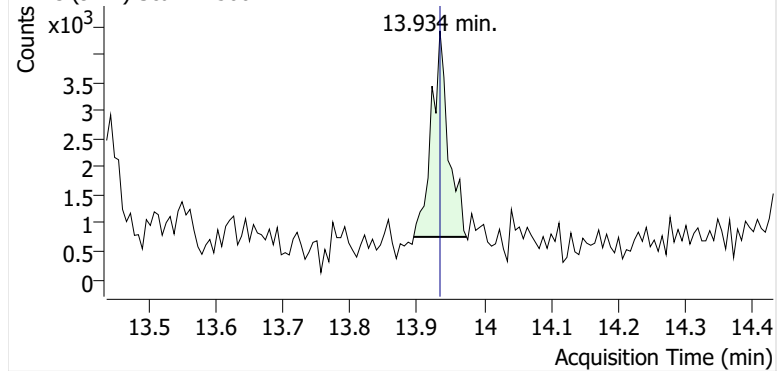


+ Scan (13.347-13.477 min, 22 scans) B2500222.D

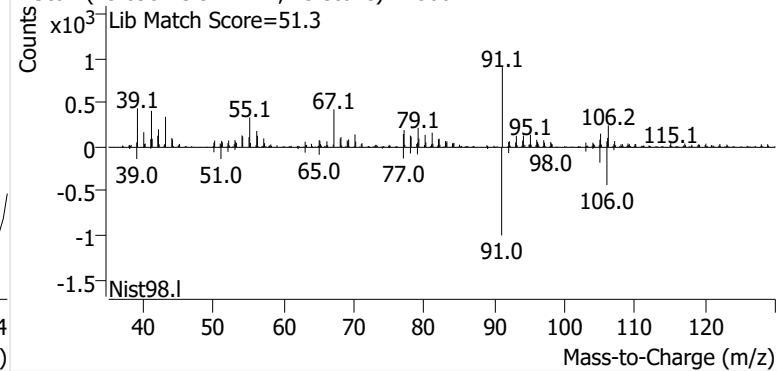


o-Xylene

+ EIC (91.1) Scan B2500222.D

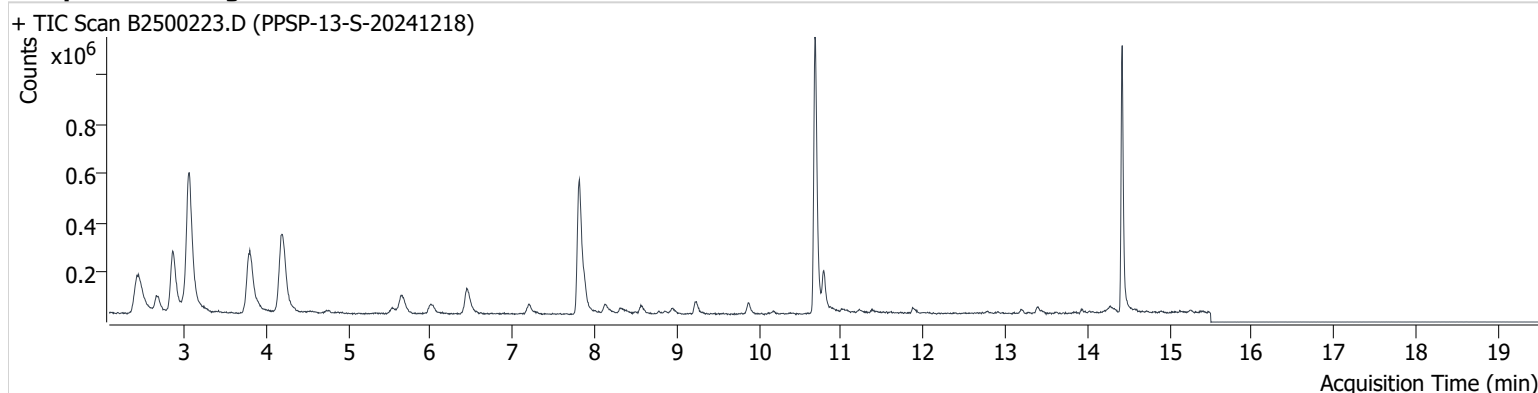


+ Scan (13.895-13.974 min, 13 scans) B2500222.D



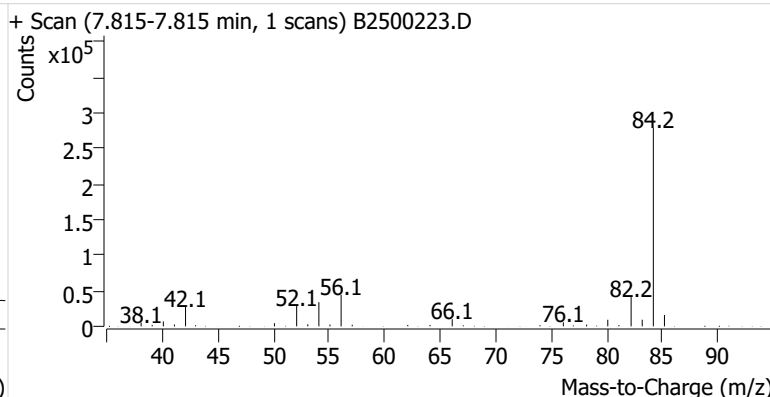
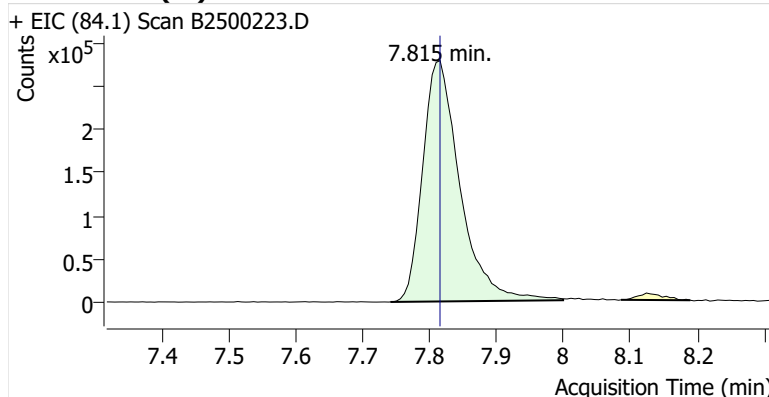
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Acq. Date-Time 1/11/2025 6:32:06 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

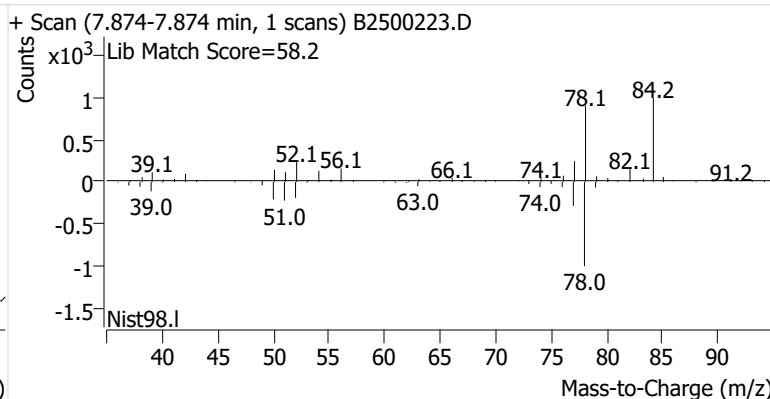
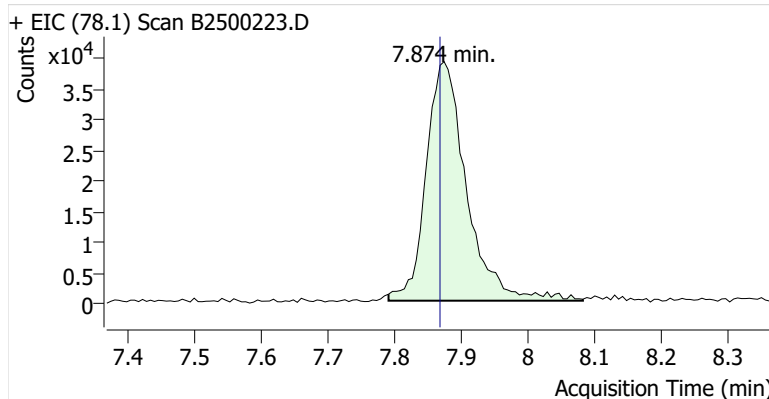


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,079,085	
Benzene	benzene-d6 (IS)	7.874	7.868	163,649	
Toluene-d8 (IS)		10.682	10.693	1,234,375	
Toluene	Toluene-d8 (IS)	10.789	10.794	177,266	
Ethylbenzene	Toluene-d8 (IS)	13.204	13.198	17,771	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	32,897	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	13,135	

benzene-d6 (IS)

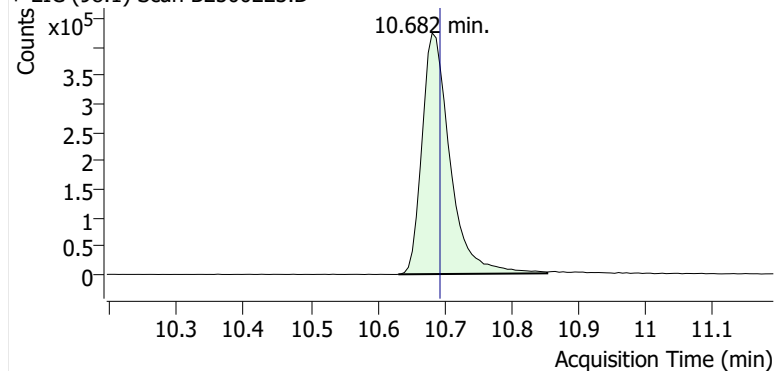


Benzene

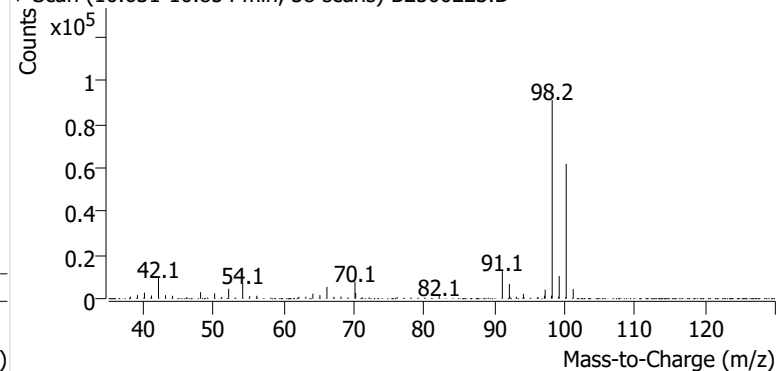


Toluene-d8 (IS)

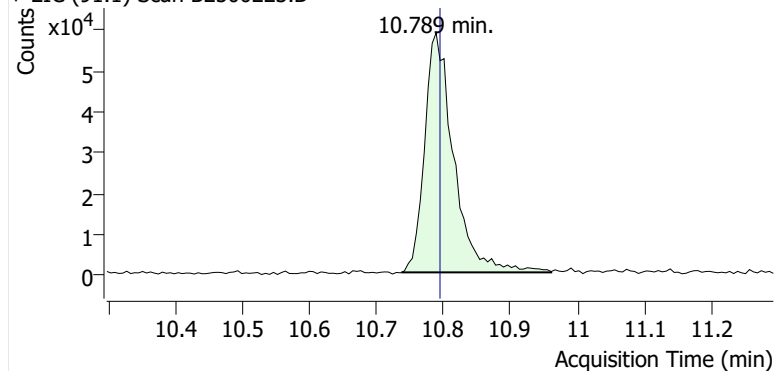
+ EIC (98.1) Scan B2500223.D



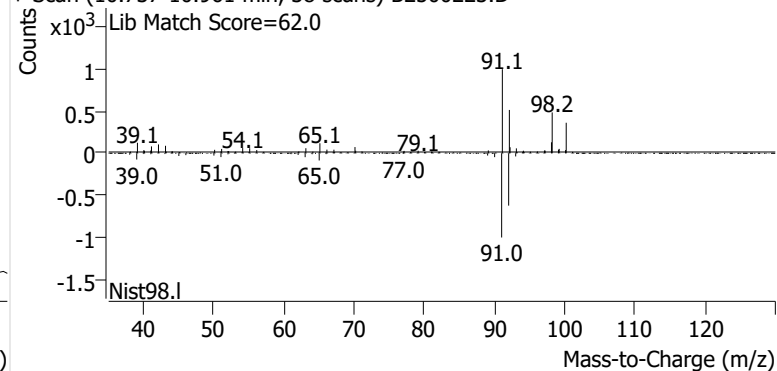
+ Scan (10.631-10.854 min, 38 scans) B2500223.D

**Toluene**

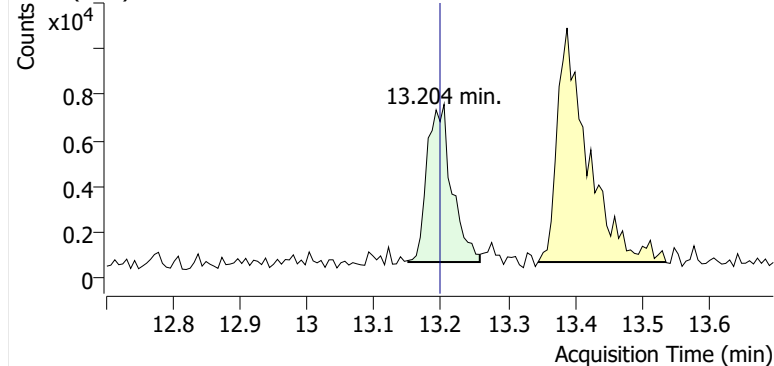
+ EIC (91.1) Scan B2500223.D



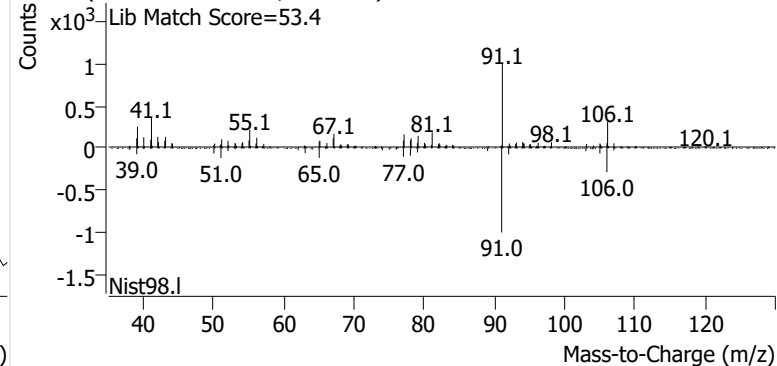
+ Scan (10.737-10.961 min, 38 scans) B2500223.D

**Ethylbenzene**

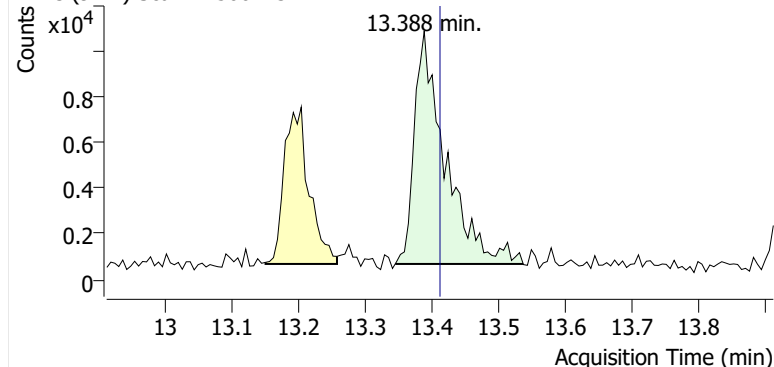
+ EIC (91.1) Scan B2500223.D



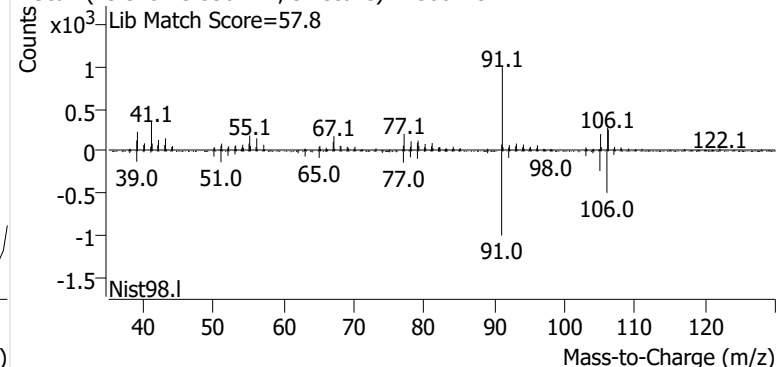
+ Scan (13.151-13.258 min, 19 scans) B2500223.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500223.D

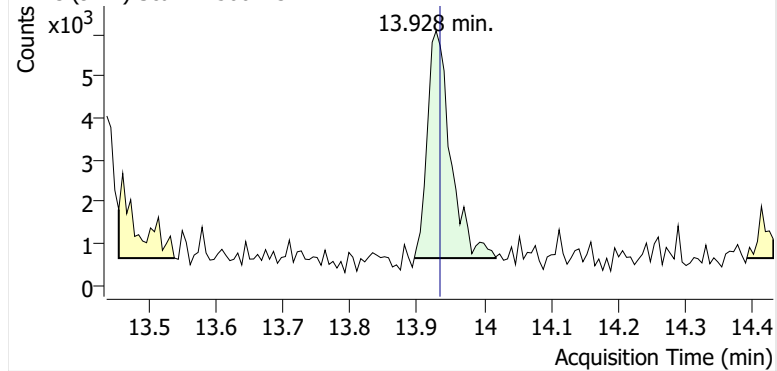


+ Scan (13.345-13.536 min, 32 scans) B2500223.D

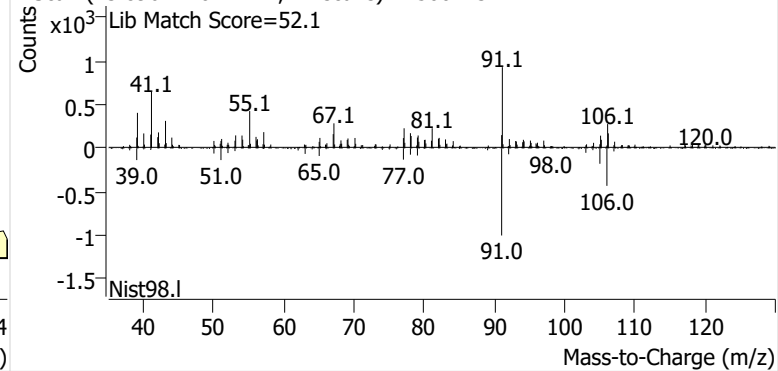


o-Xylene

+ EIC (91.1) Scan B2500223.D

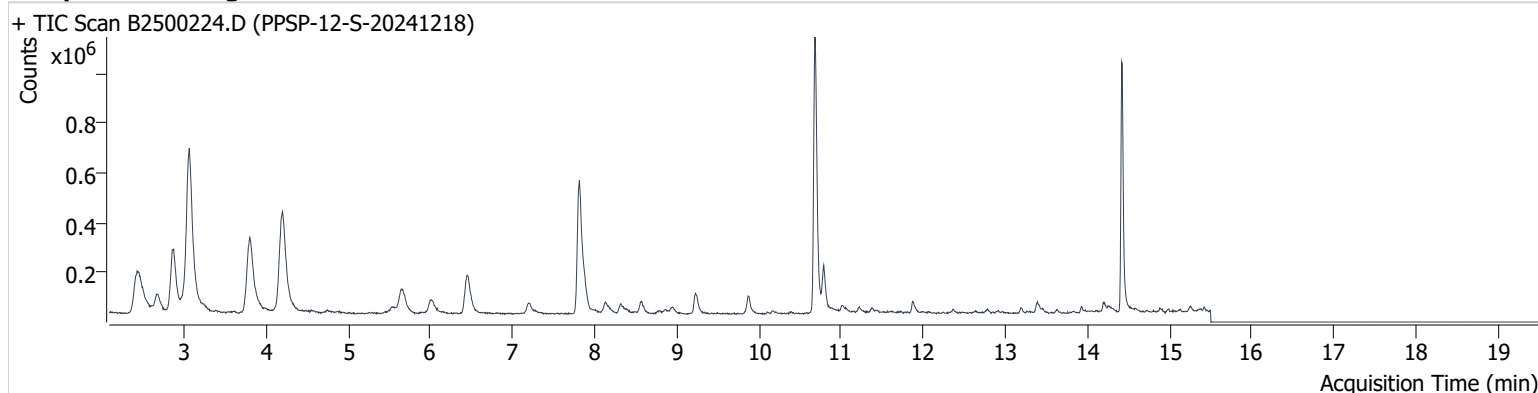


+ Scan (13.896-14.017 min, 21 scans) B2500223.D



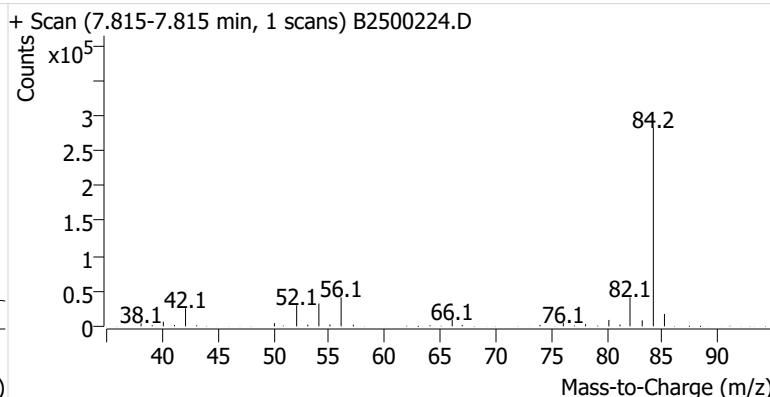
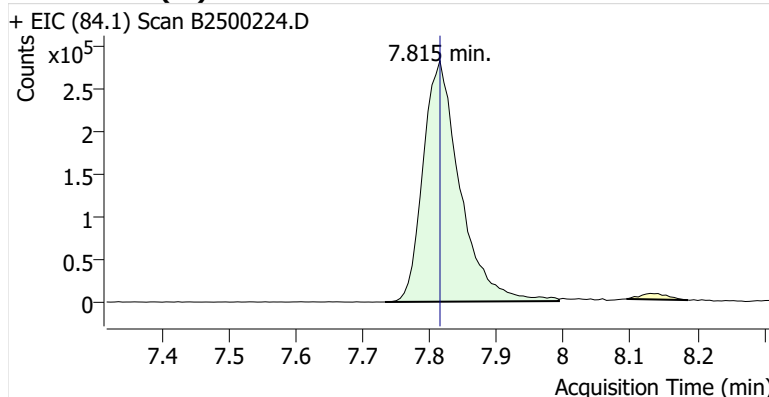
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Comment C43670
Data File B2500224.D
Acq. Date-Time 1/11/2025 7:09:25 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

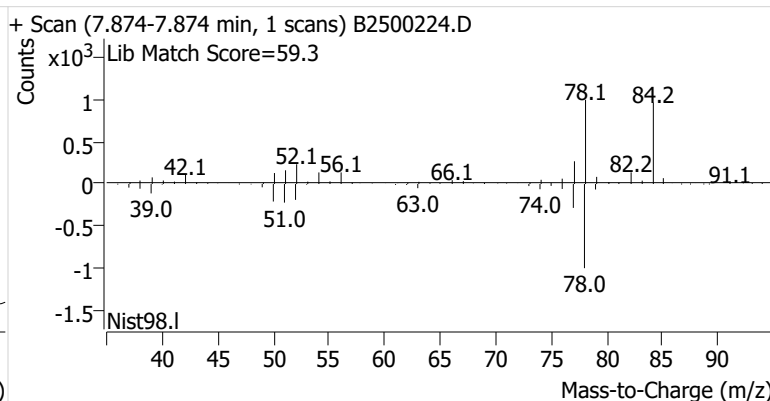
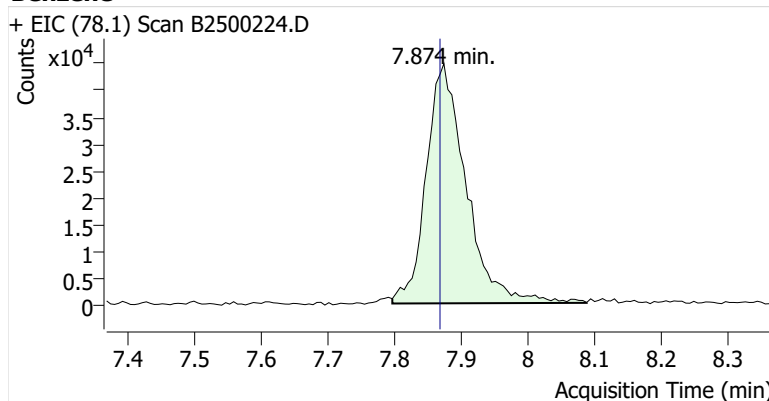


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,079,460	
Benzene	benzene-d6 (IS)	7.874	7.868	184,706	
Toluene-d8 (IS)		10.681	10.693	1,246,843	
Toluene	Toluene-d8 (IS)	10.788	10.794	194,559	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	18,006	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	46,672	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	18,655	

benzene-d6 (IS)

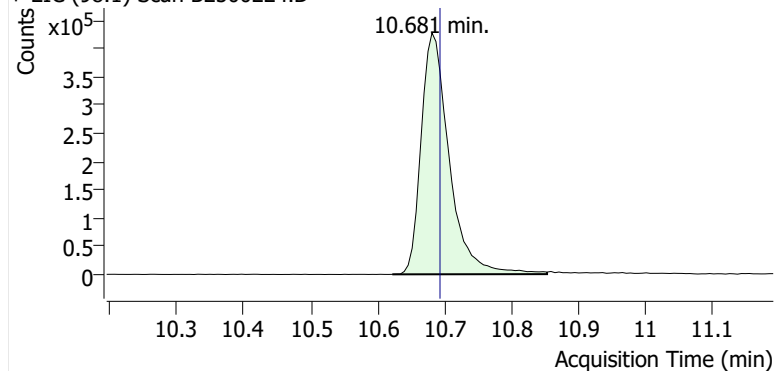


Benzene

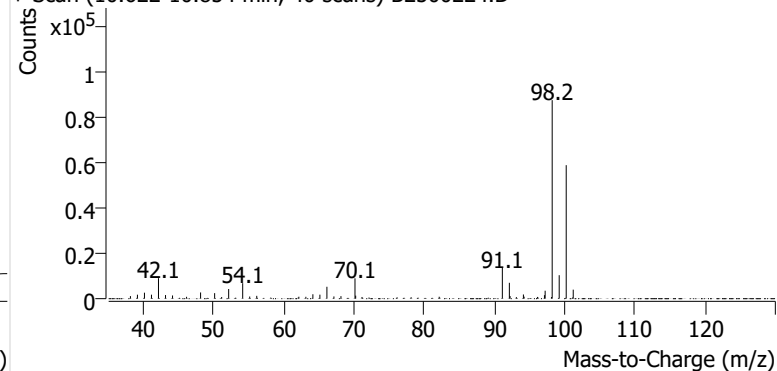


Toluene-d8 (IS)

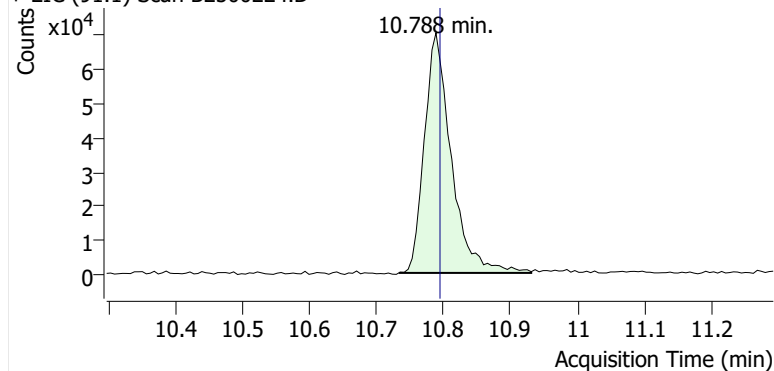
+ EIC (98.1) Scan B2500224.D



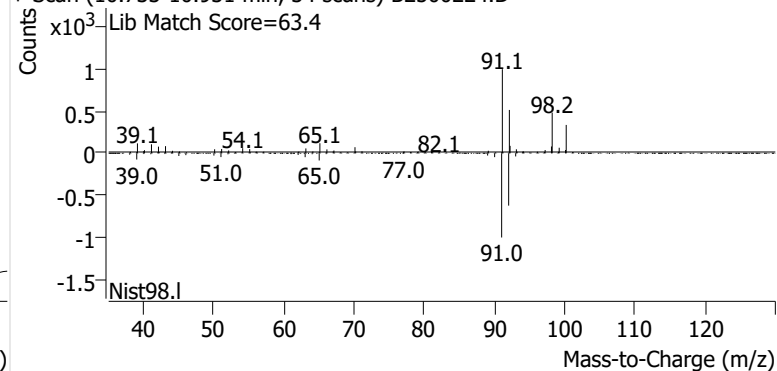
+ Scan (10.622-10.854 min, 40 scans) B2500224.D

**Toluene**

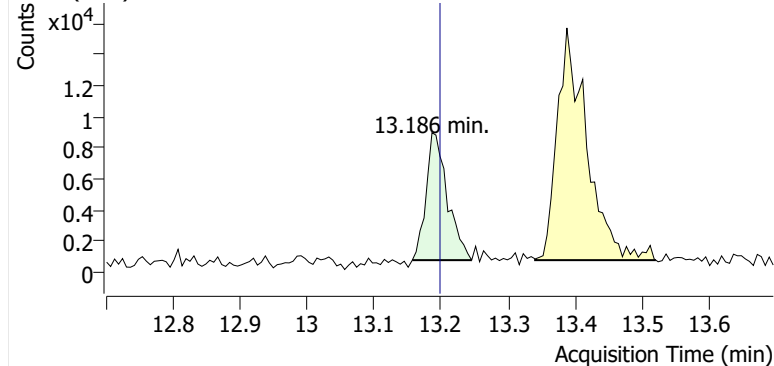
+ EIC (91.1) Scan B2500224.D



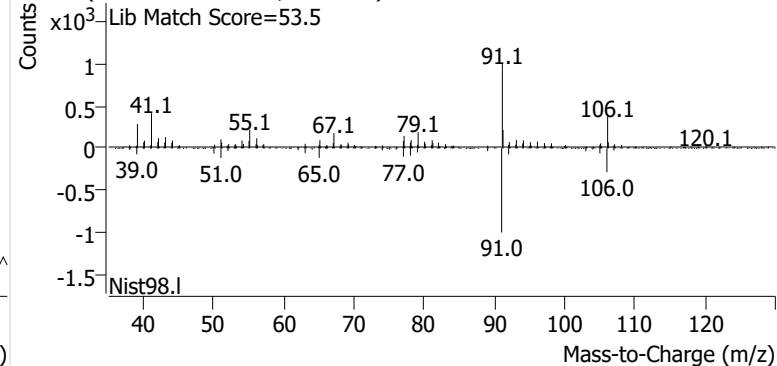
+ Scan (10.733-10.931 min, 34 scans) B2500224.D

**Ethylbenzene**

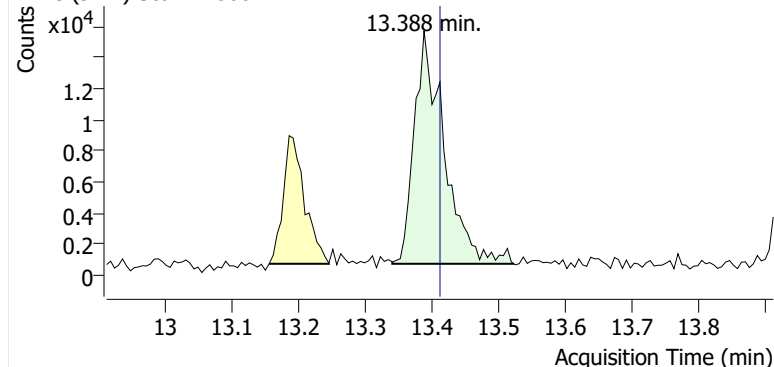
+ EIC (91.1) Scan B2500224.D



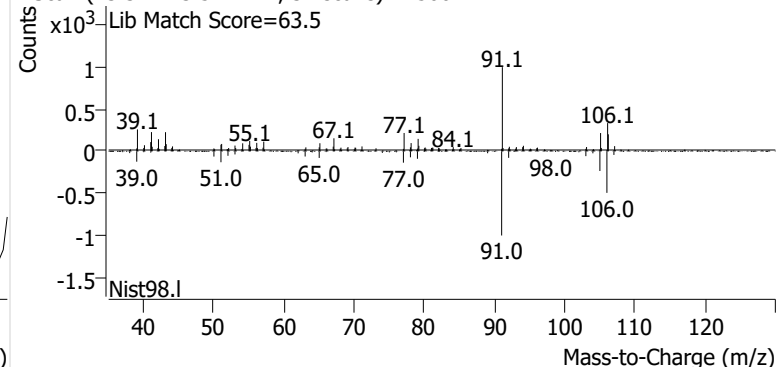
+ Scan (13.157-13.246 min, 14 scans) B2500224.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500224.D

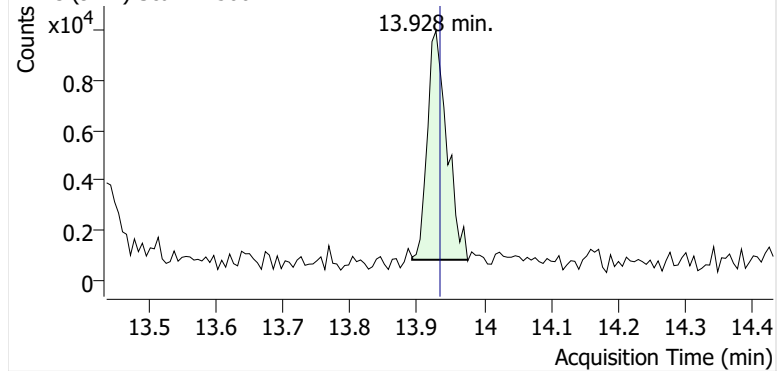


+ Scan (13.341-13.522 min, 31 scans) B2500224.D

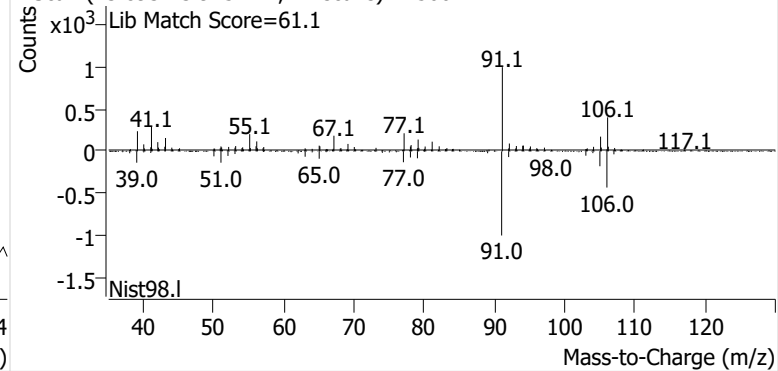


o-Xylene

+ EIC (91.1) Scan B2500224.D

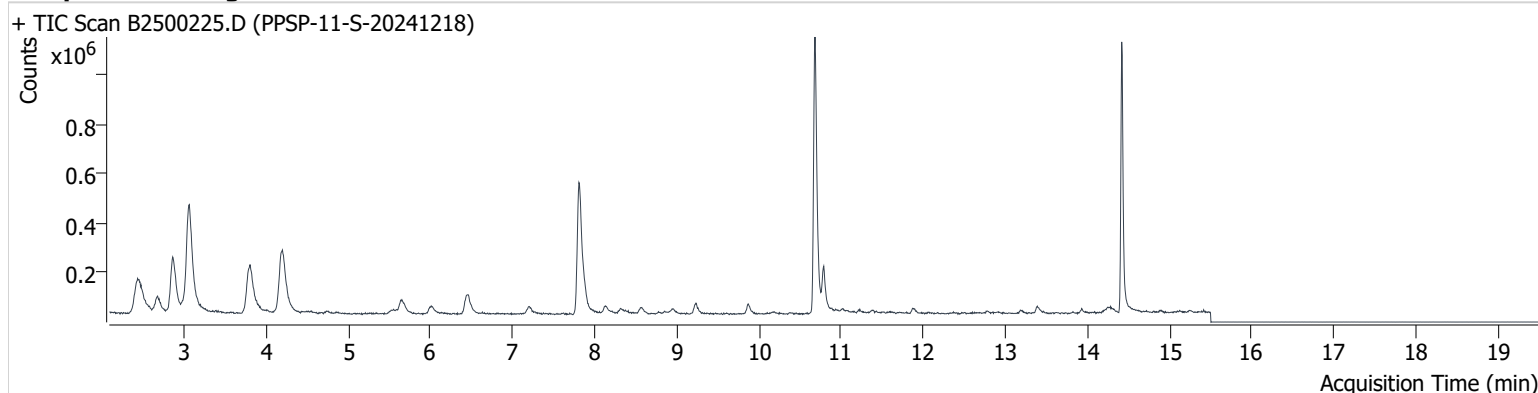


+ Scan (13.893-13.975 min, 14 scans) B2500224.D



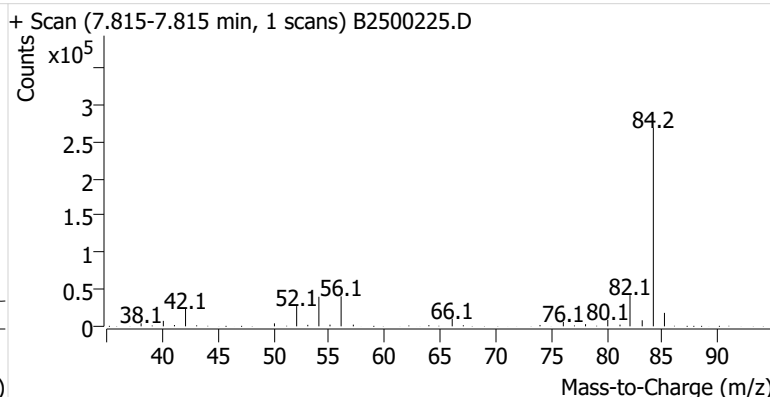
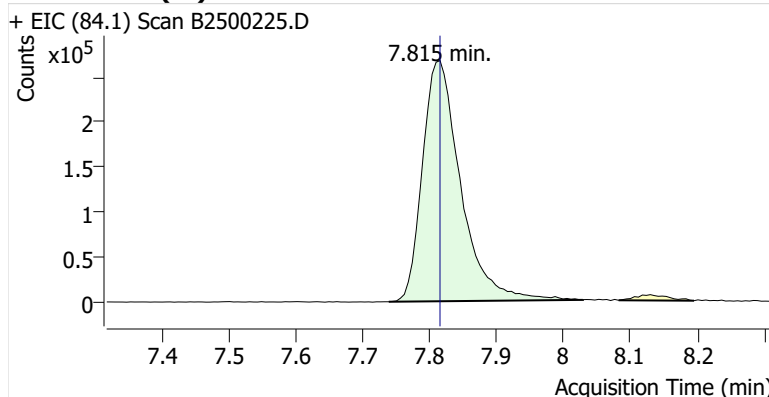
Name PPSP-11-S-20241218
Comment B18404
Data File B2500225.D
Acq. Date-Time 1/11/2025 7:46:46 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

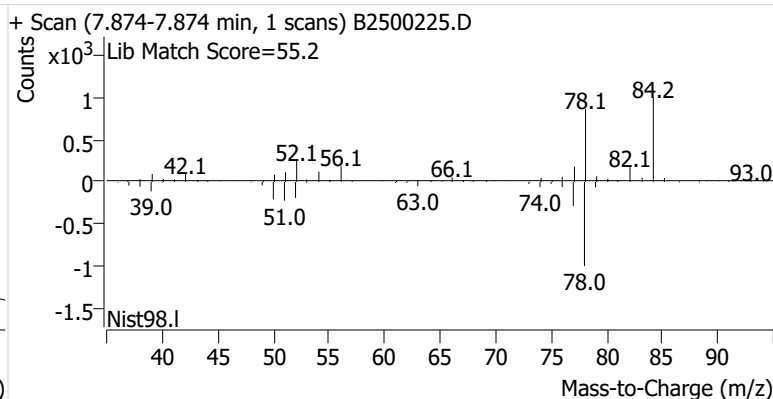
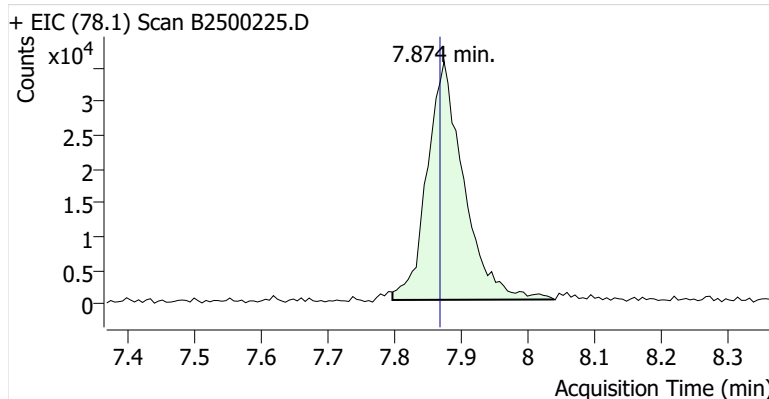


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.815	7.815	1,062,680	
Benzene	benzene-d6 (IS)	7.874	7.868	135,170	
Toluene-d8 (IS)		10.682	10.693	1,227,870	
Toluene	Toluene-d8 (IS)	10.789	10.794	194,194	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	13,144	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	31,832	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	11,595	

benzene-d6 (IS)

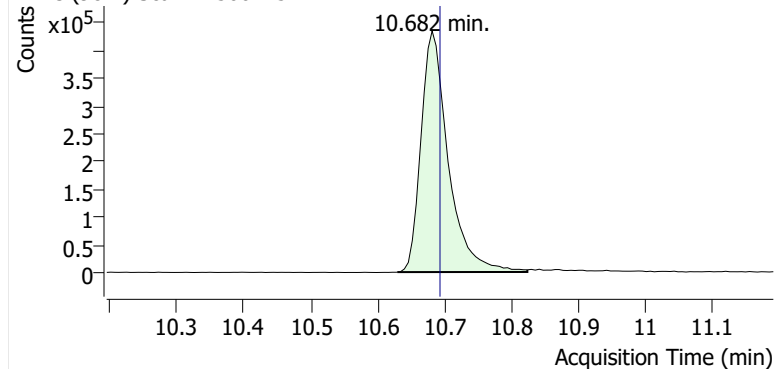


Benzene

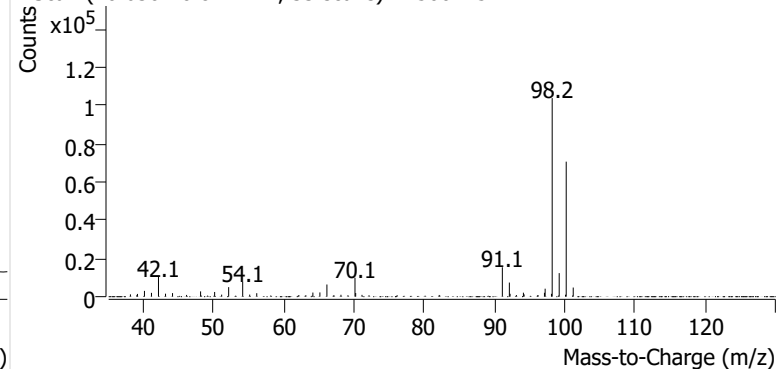


Toluene-d8 (IS)

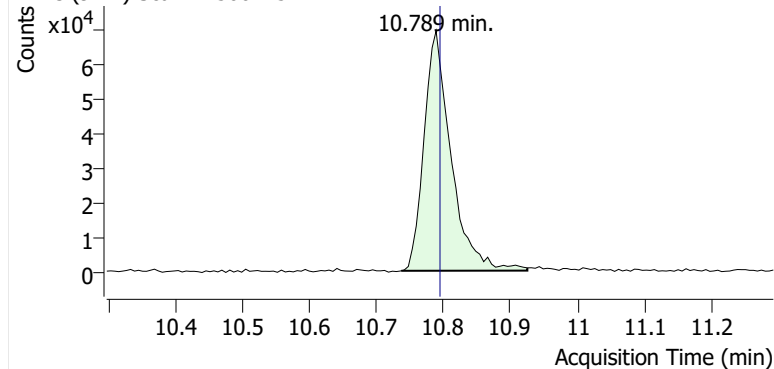
+ EIC (98.1) Scan B2500225.D



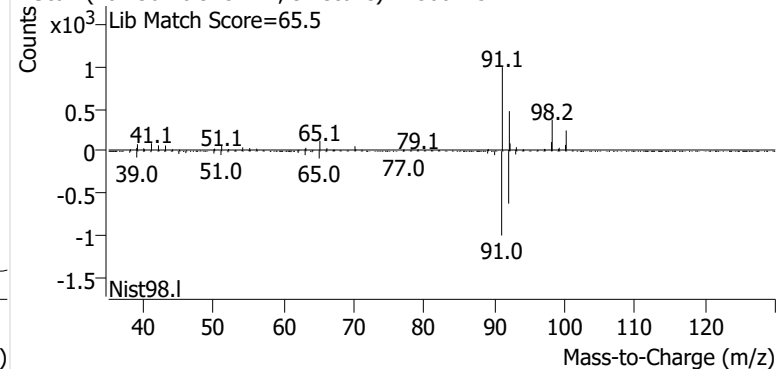
+ Scan (10.630-10.824 min, 33 scans) B2500225.D

**Toluene**

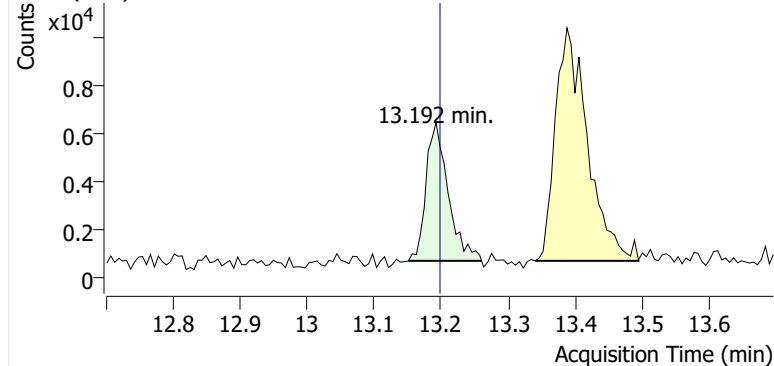
+ EIC (91.1) Scan B2500225.D



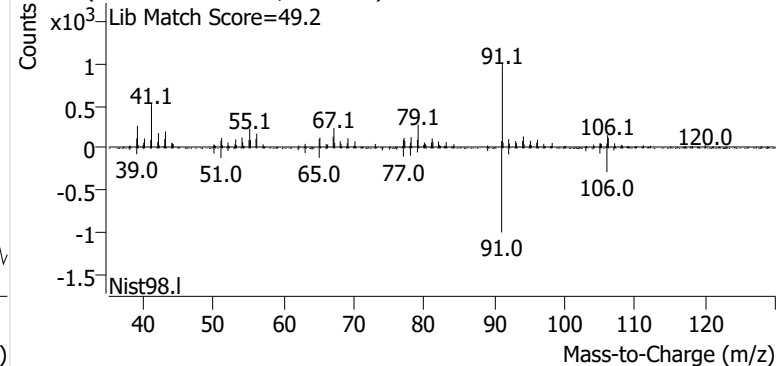
+ Scan (10.736-10.925 min, 32 scans) B2500225.D

**Ethylbenzene**

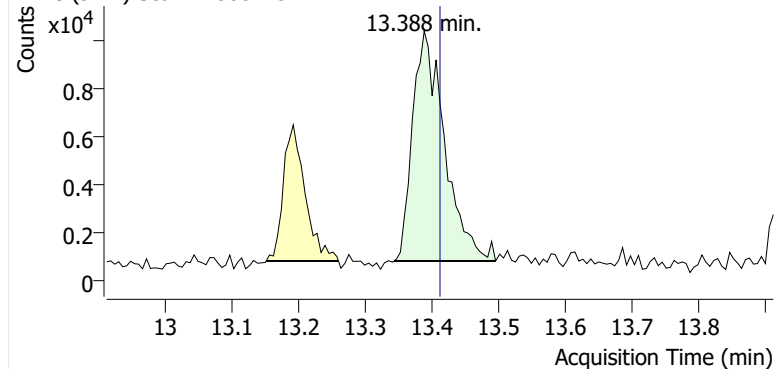
+ EIC (91.1) Scan B2500225.D



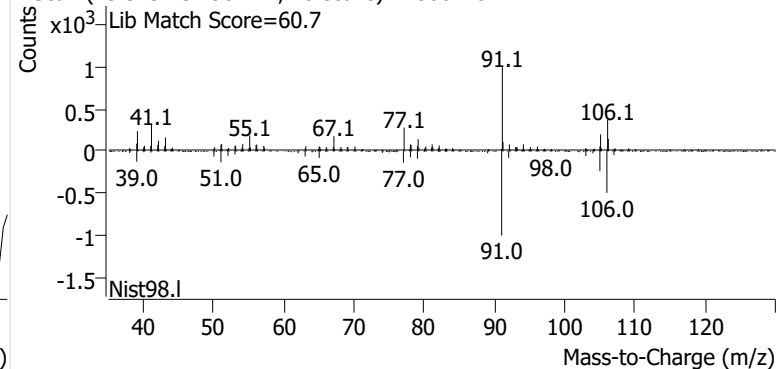
+ Scan (13.151-13.260 min, 18 scans) B2500225.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500225.D

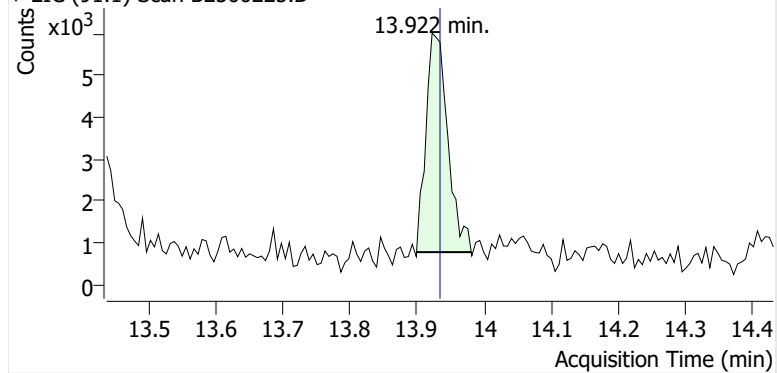


+ Scan (13.343-13.495 min, 25 scans) B2500225.D

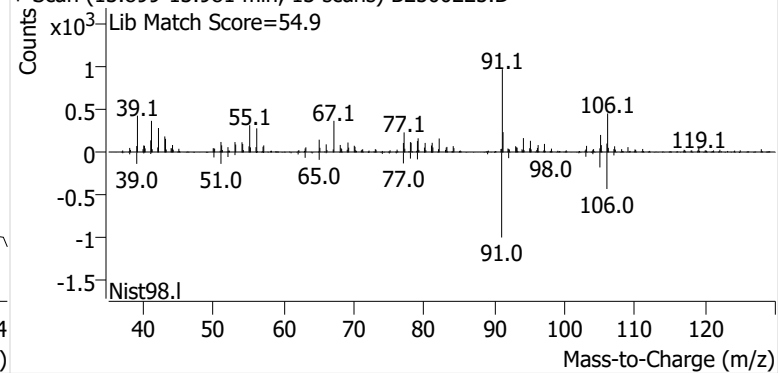


o-Xylene

+ EIC (91.1) Scan B2500225.D

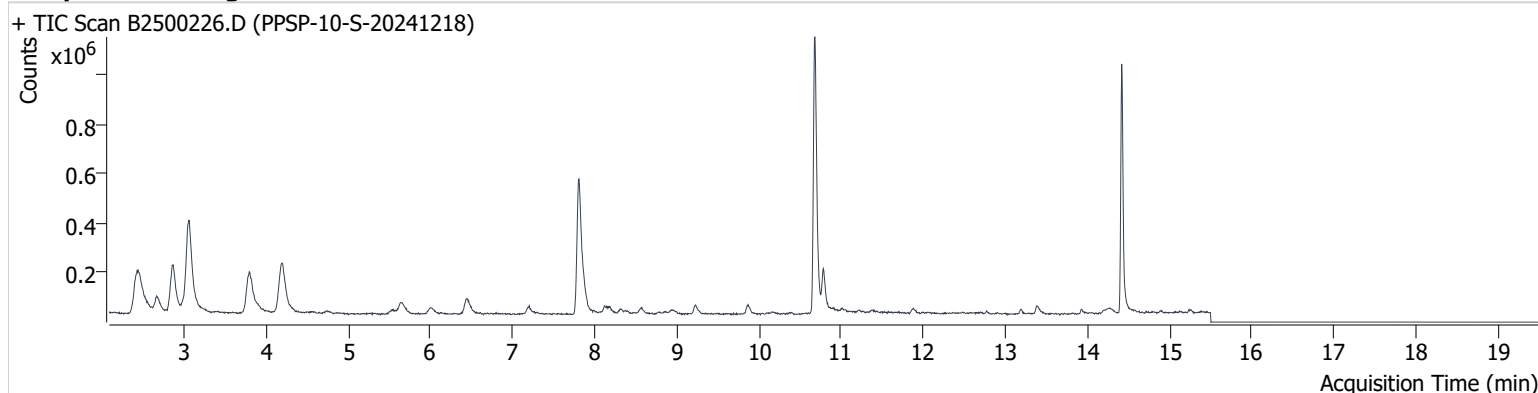


+ Scan (13.899-13.981 min, 13 scans) B2500225.D



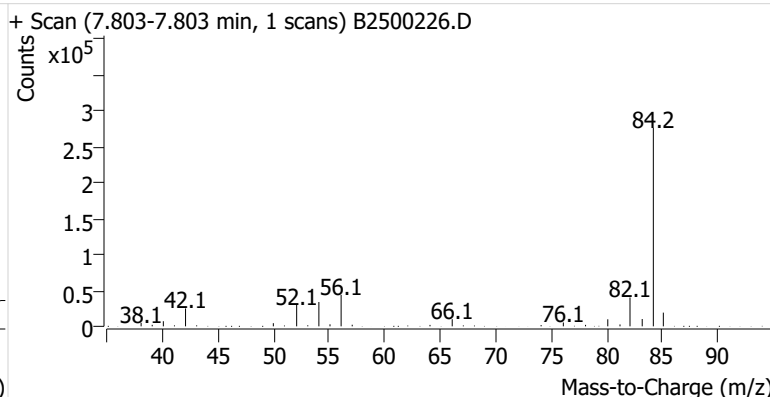
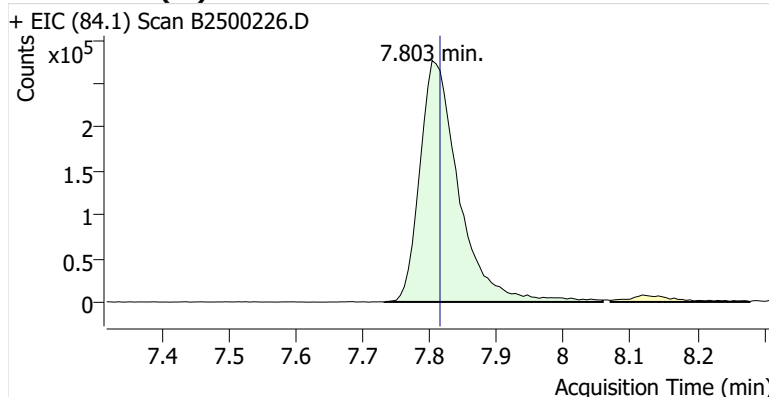
Name PPSP-10-S-20241218
Comment B16375
Data File B2500226.D
Acq. Date-Time 1/11/2025 8:24:04 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

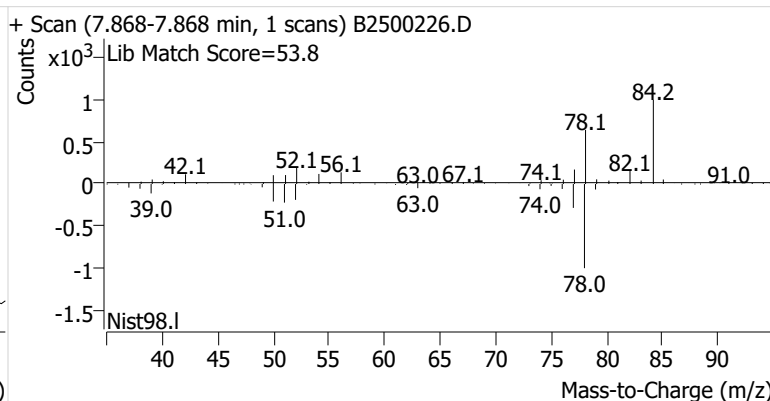
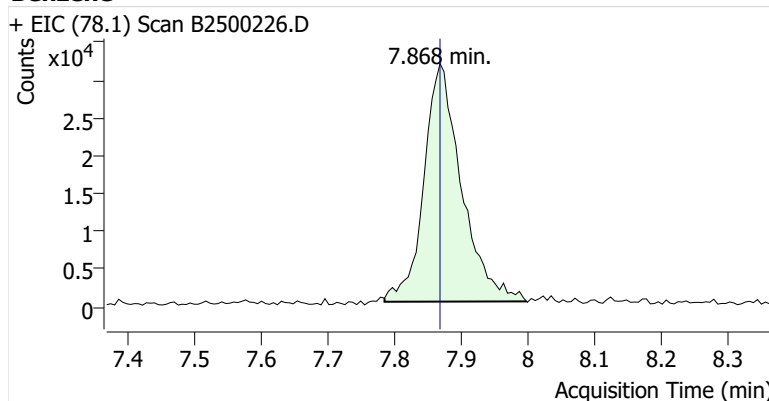


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,116,519	
Benzene	benzene-d6 (IS)	7.868	7.868	123,465	
Toluene-d8 (IS)		10.676	10.693	1,252,854	
Toluene	Toluene-d8 (IS)	10.788	10.794	182,748	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	18,284	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	36,734	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	15,429	

benzene-d6 (IS)

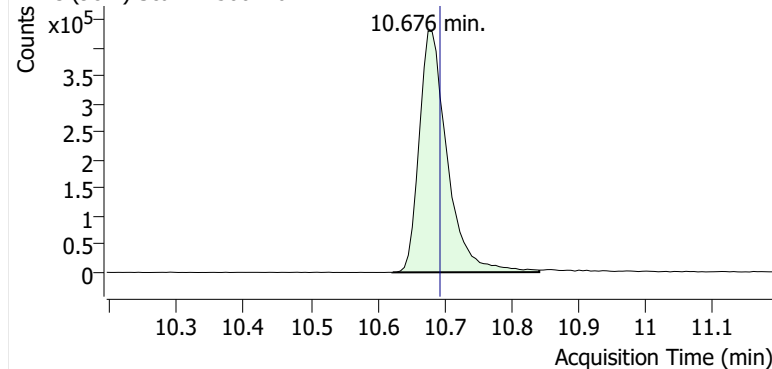


Benzene

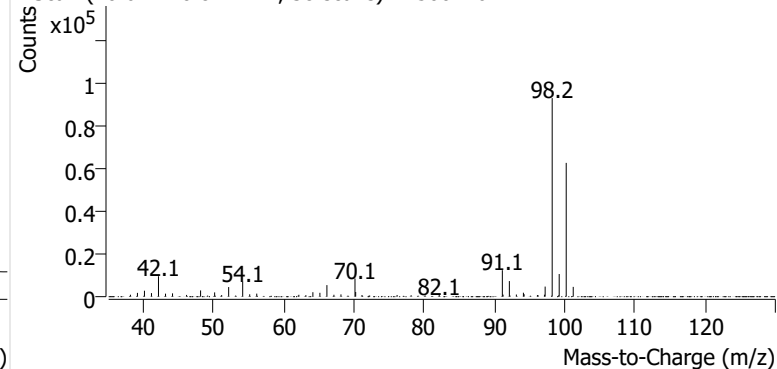


Toluene-d8 (IS)

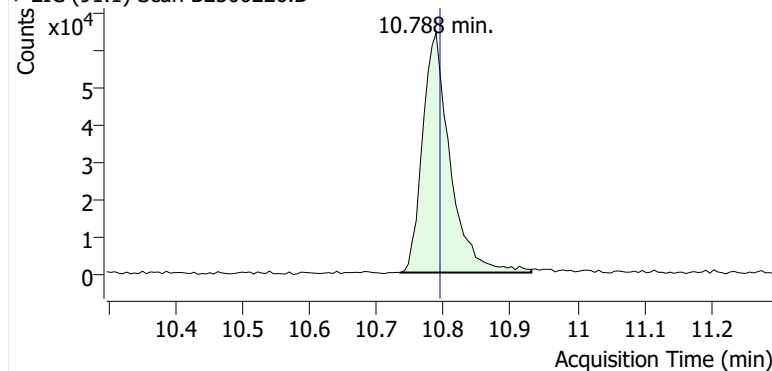
+ EIC (98.1) Scan B2500226.D



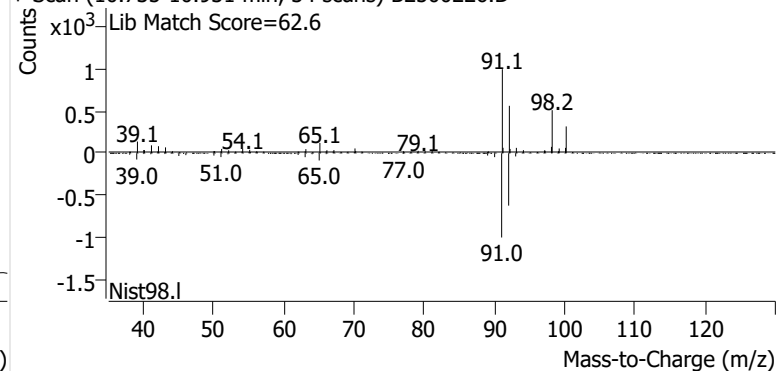
+ Scan (10.622-10.842 min, 38 scans) B2500226.D

**Toluene**

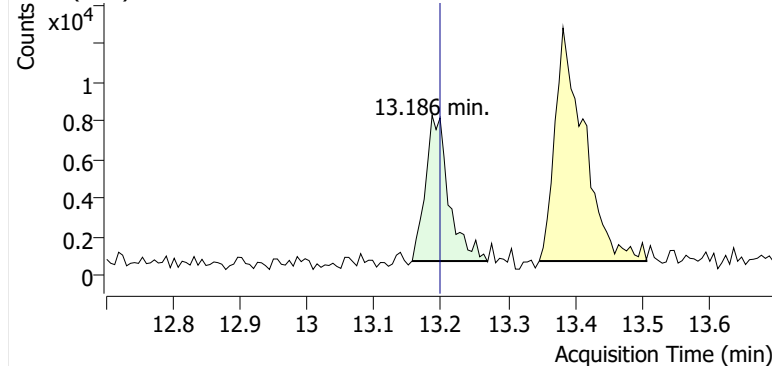
+ EIC (91.1) Scan B2500226.D



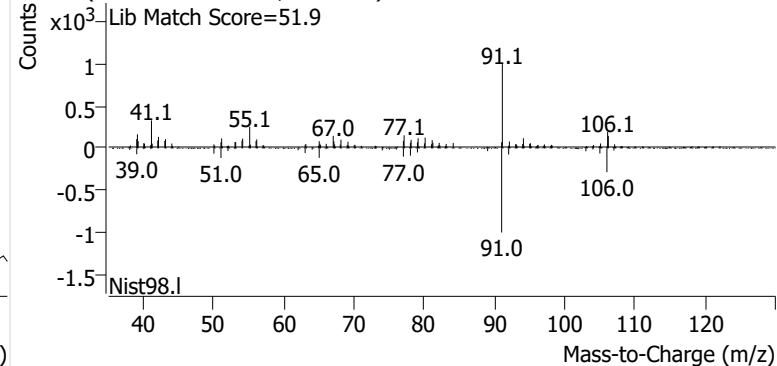
+ Scan (10.735-10.931 min, 34 scans) B2500226.D

**Ethylbenzene**

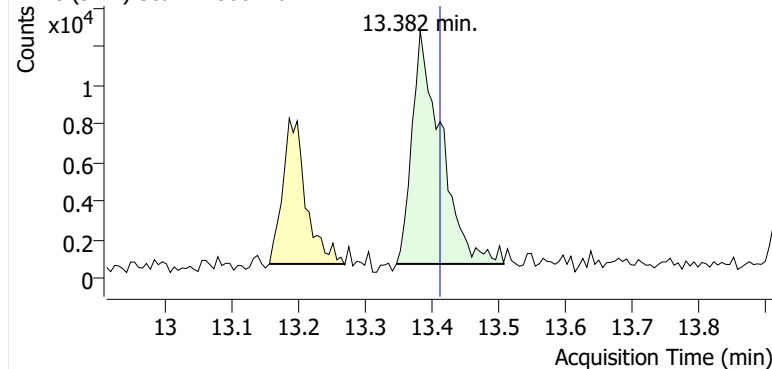
+ EIC (91.1) Scan B2500226.D



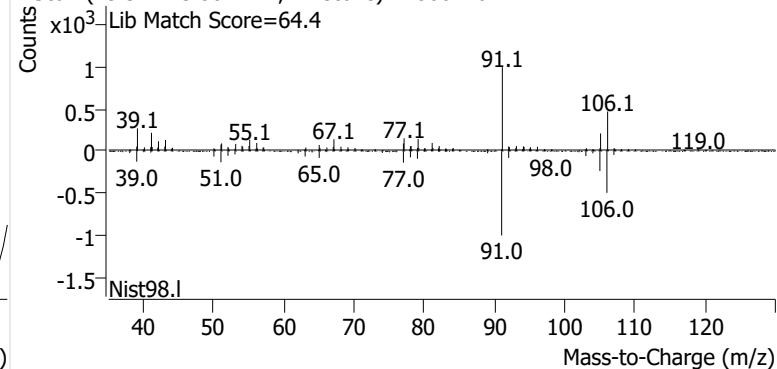
+ Scan (13.156-13.269 min, 19 scans) B2500226.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500226.D

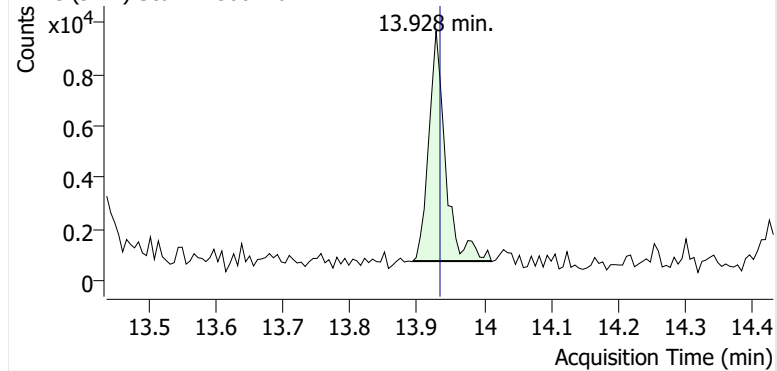


+ Scan (13.347-13.507 min, 27 scans) B2500226.D

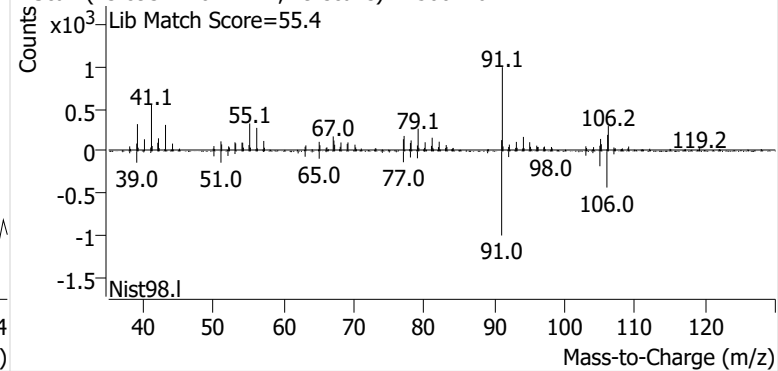


o-Xylene

+ EIC (91.1) Scan B2500226.D

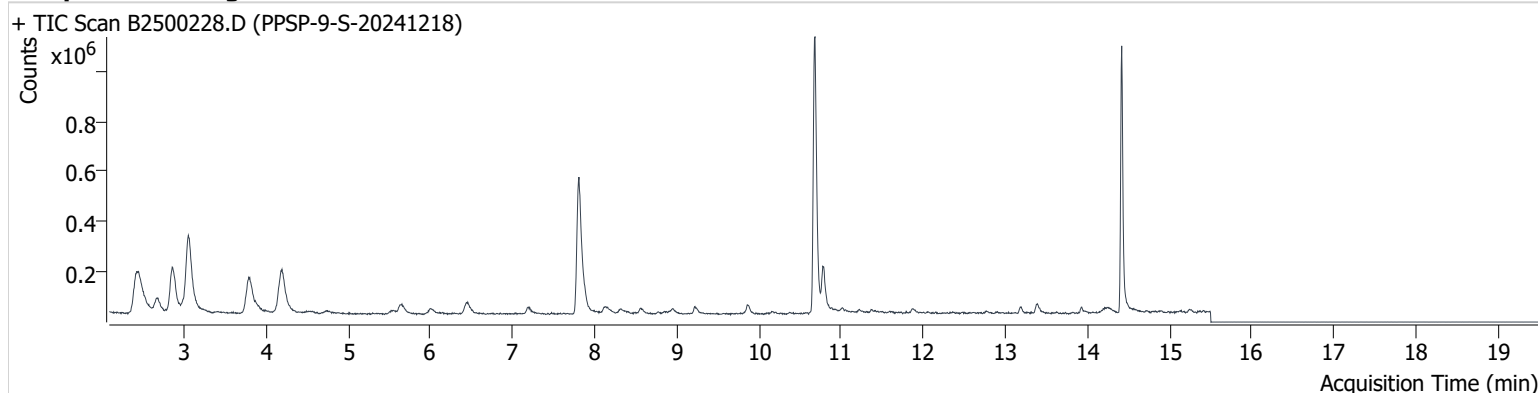


+ Scan (13.893-14.011 min, 19 scans) B2500226.D



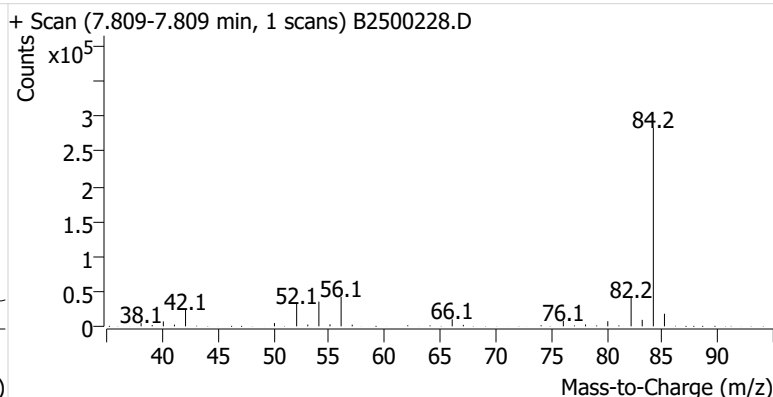
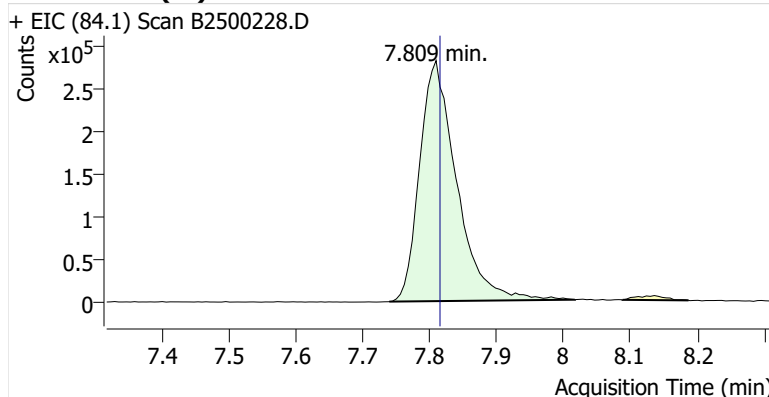
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Comment B20633
Data File B2500228.D
Acq. Date-Time 1/11/2025 10:00:56 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

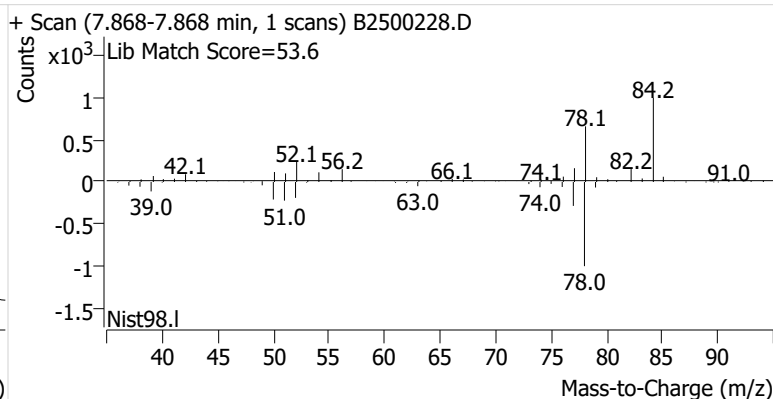
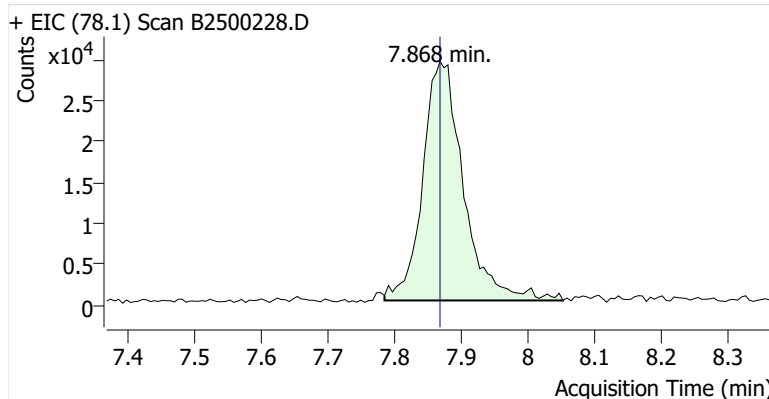


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,086,285	
Benzene	benzene-d6 (IS)	7.868	7.868	124,169	
Toluene-d8 (IS)		10.682	10.693	1,233,394	
Toluene	Toluene-d8 (IS)	10.783	10.794	204,177	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	24,118	
m-/p-Xylenes	Toluene-d8 (IS)	13.388	13.412	46,632	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	16,982	

benzene-d6 (IS)

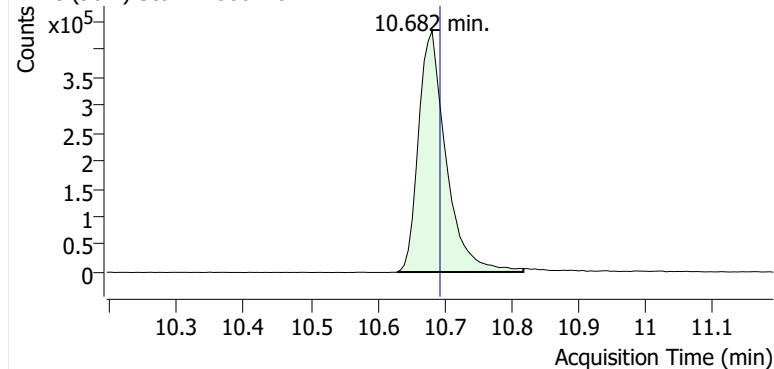


Benzene

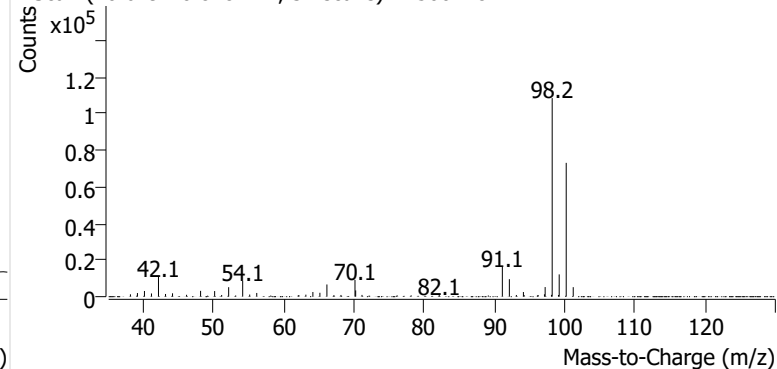


Toluene-d8 (IS)

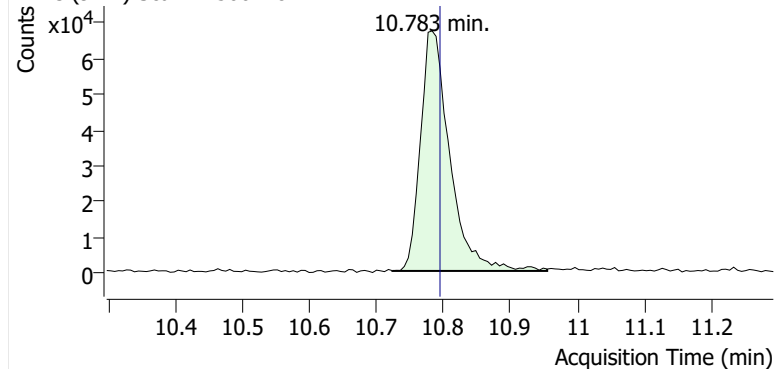
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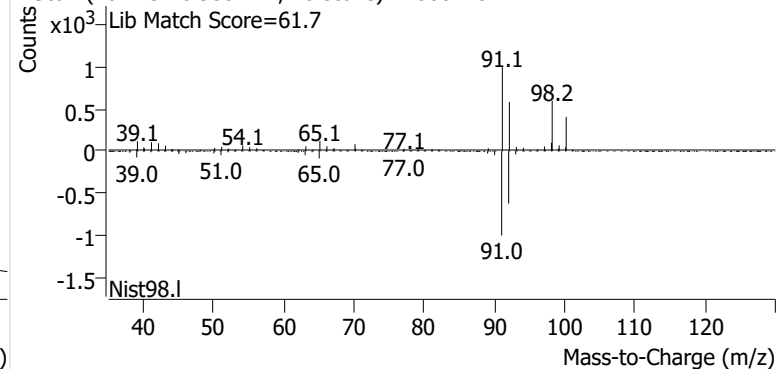
+ Scan (10.629-10.818 min, 32 scans) B2500228.D

**Toluene**

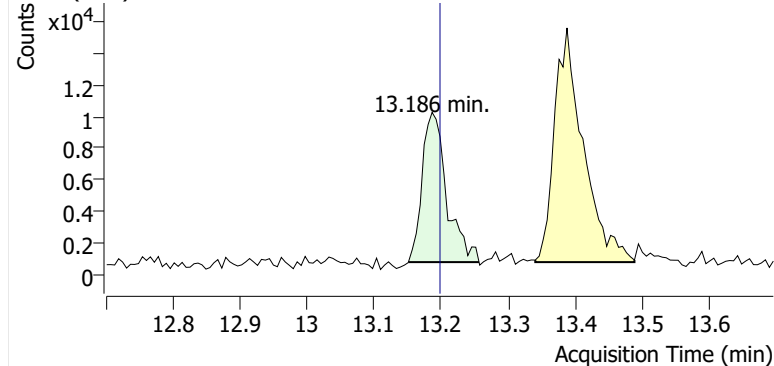
+ EIC (91.1) Scan B2500228.D



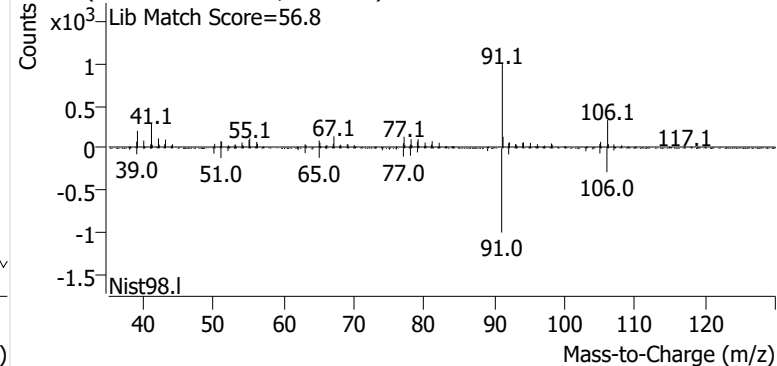
+ Scan (10.723-10.955 min, 40 scans) B2500228.D

**Ethylbenzene**

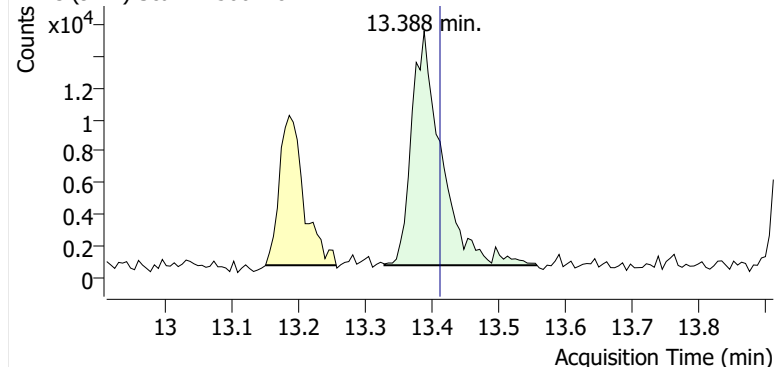
+ EIC (91.1) Scan B2500228.D



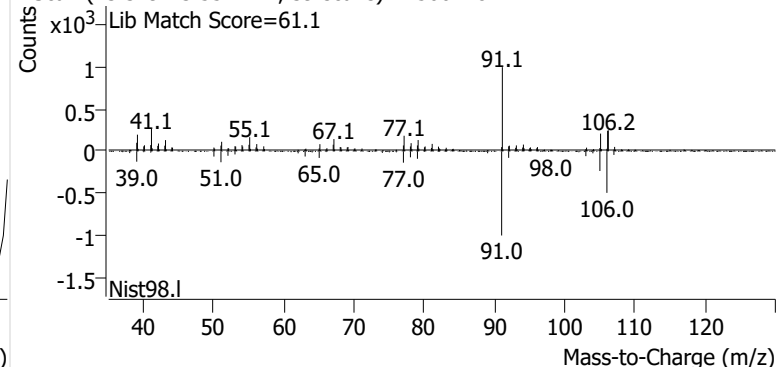
+ Scan (13.151-13.257 min, 17 scans) B2500228.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500228.D

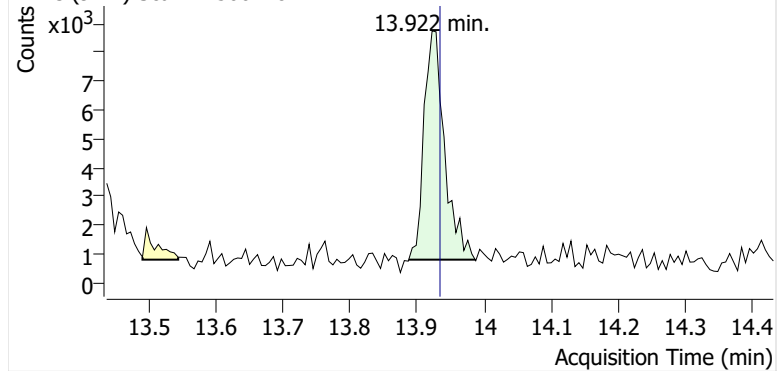


+ Scan (13.329-13.557 min, 39 scans) B2500228.D

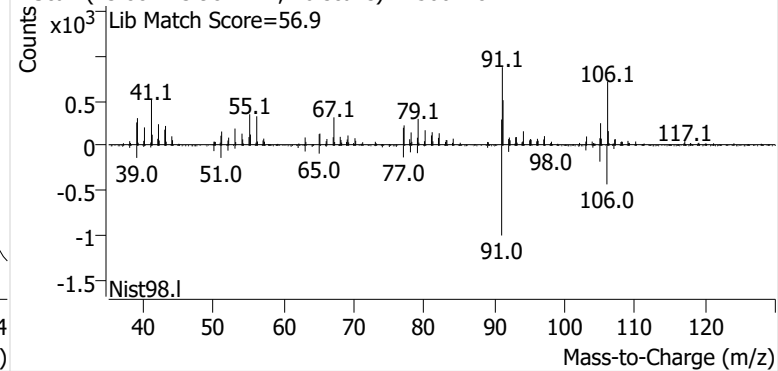


o-Xylene

+ EIC (91.1) Scan B2500228.D

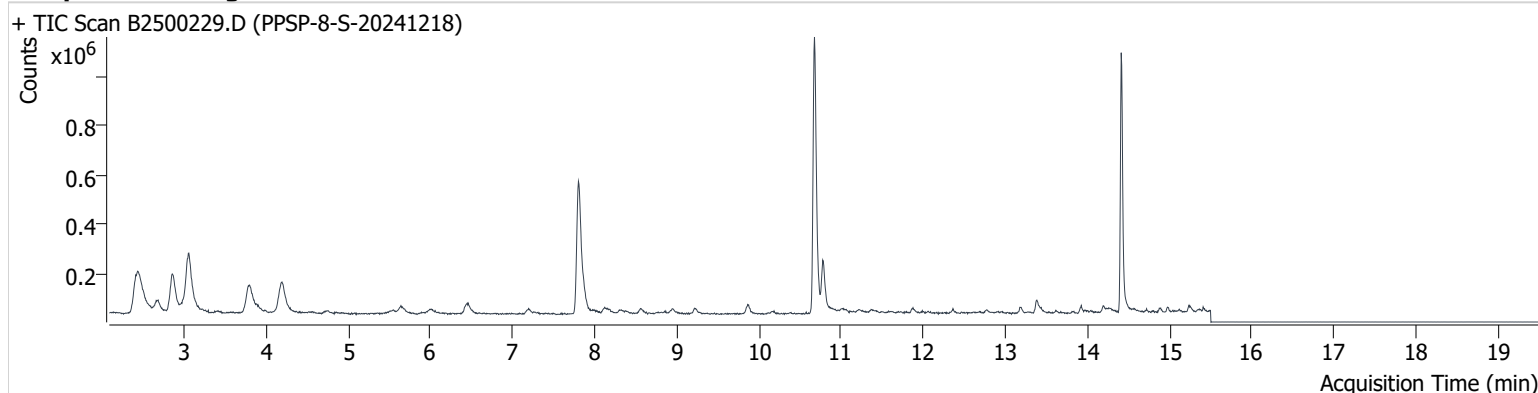


+ Scan (13.887-13.987 min, 16 scans) B2500228.D



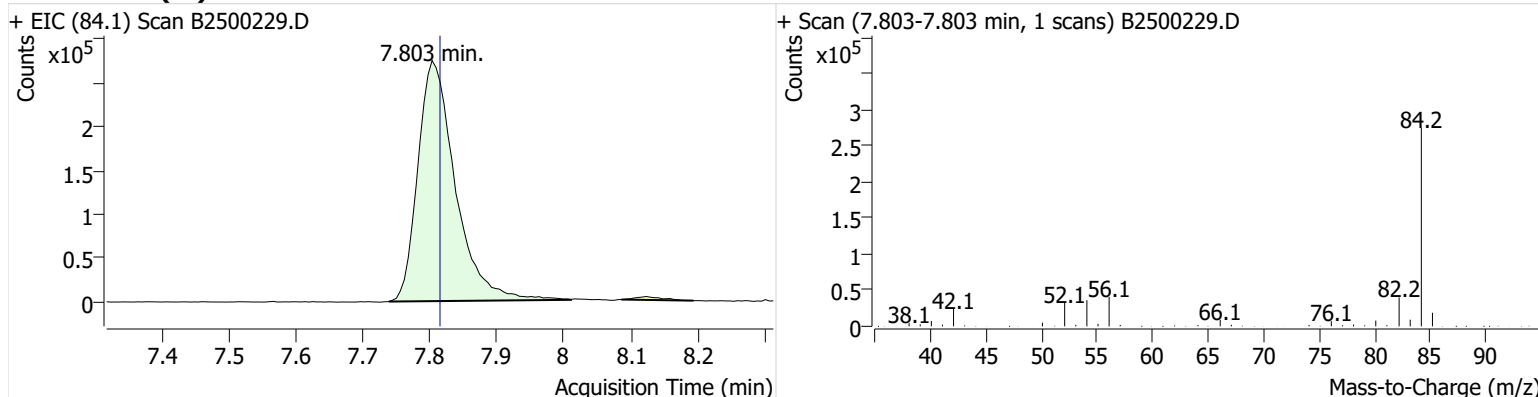
Name PPSP-8-S-20241218
Comment C43638
Data File B2500229.D
Acq. Date-Time 1/11/2025 10:38:14 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

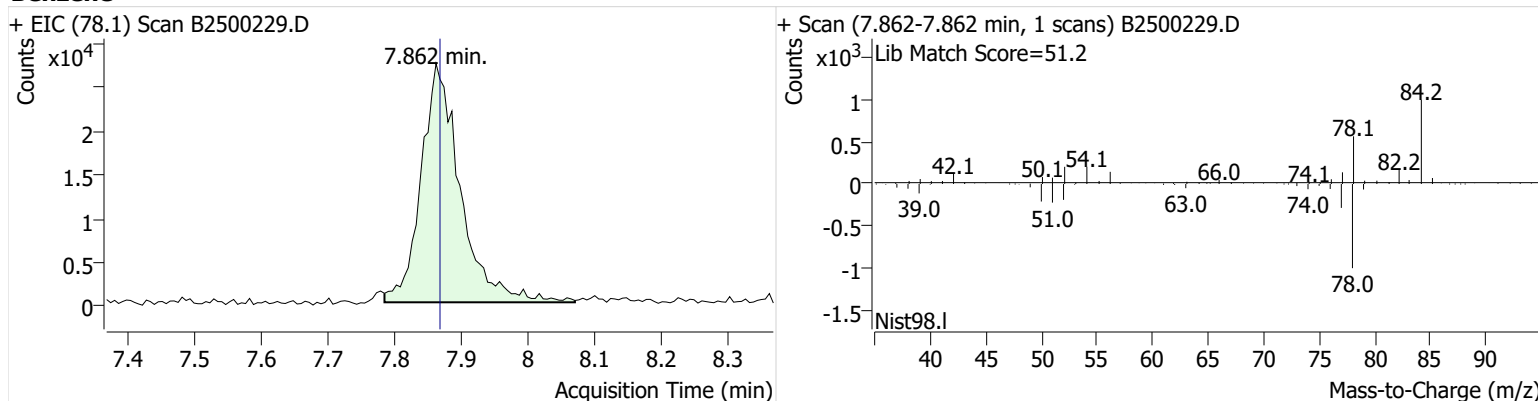


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,064,960	
Benzene	benzene-d6 (IS)	7.862	7.868	111,355	
Toluene-d8 (IS)		10.676	10.693	1,247,119	
Toluene	Toluene-d8 (IS)	10.777	10.794	226,217	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	23,920	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	60,122	
o-Xylene	Toluene-d8 (IS)	13.922	13.934	21,119	

benzene-d6 (IS)

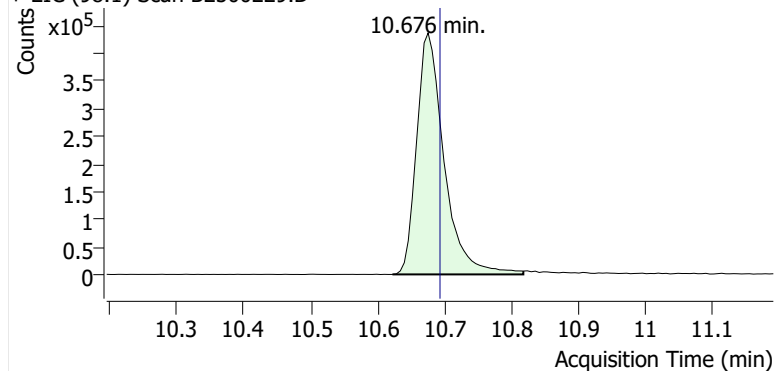


Benzene

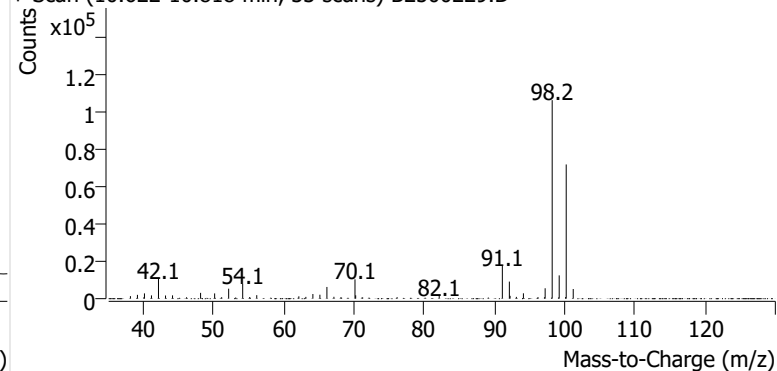


Toluene-d8 (IS)

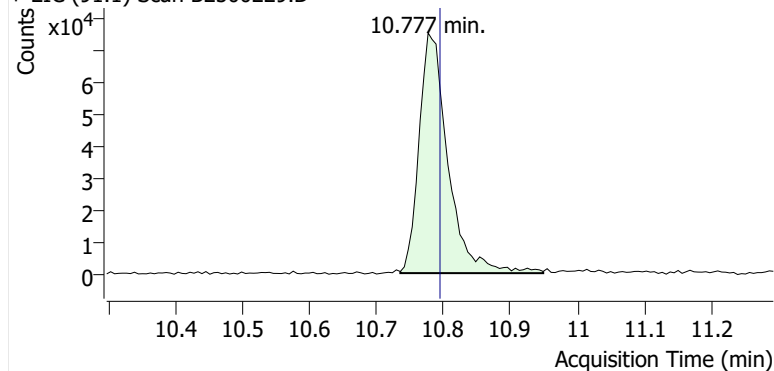
+ EIC (98.1) Scan B2500229.D



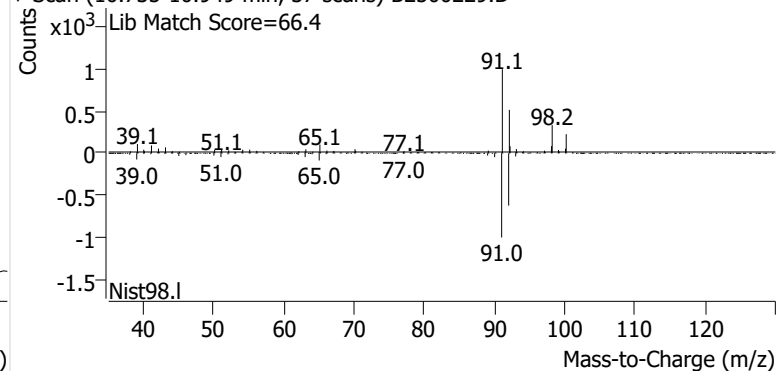
+ Scan (10.622-10.818 min, 33 scans) B2500229.D

**Toluene**

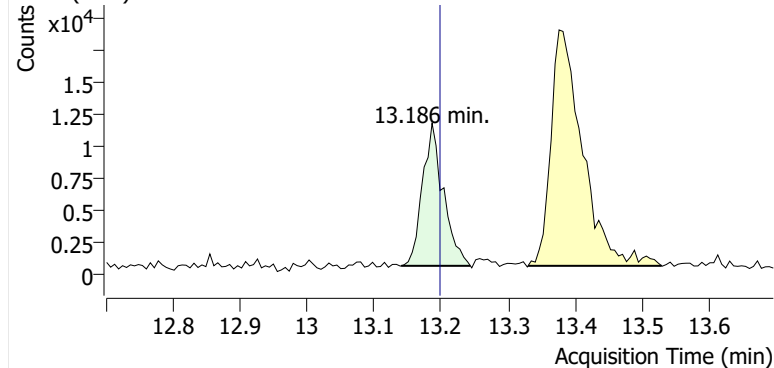
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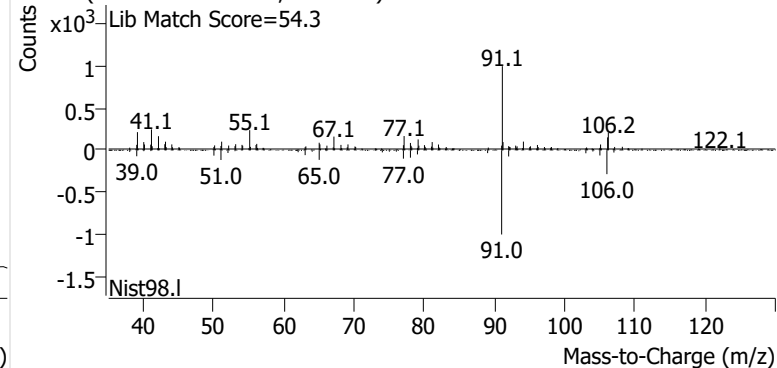
+ Scan (10.735-10.949 min, 37 scans) B2500229.D

**Ethylbenzene**

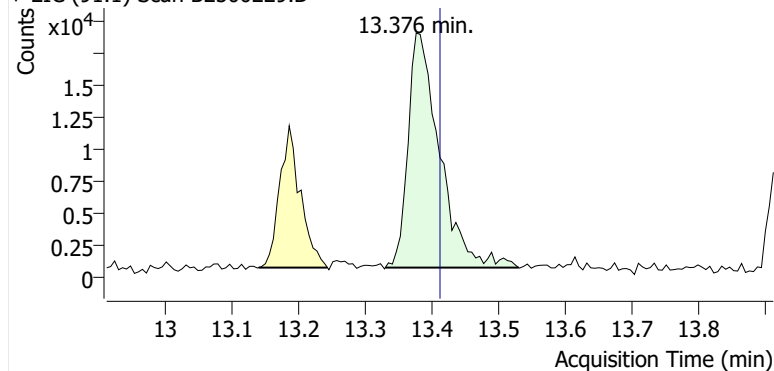
+ EIC (91.1) Scan B2500229.D



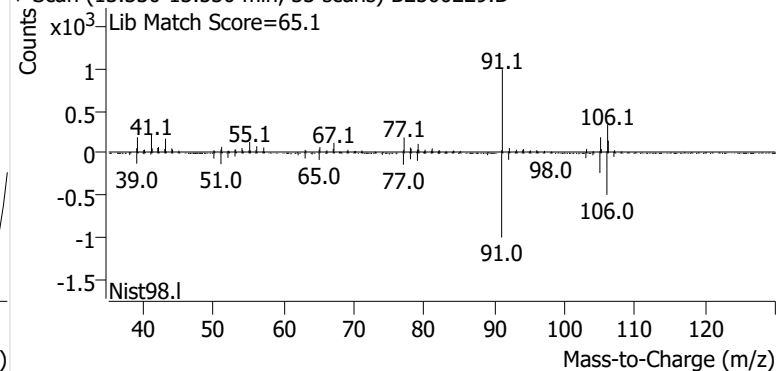
+ Scan (13.140-13.244 min, 17 scans) B2500229.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500229.D

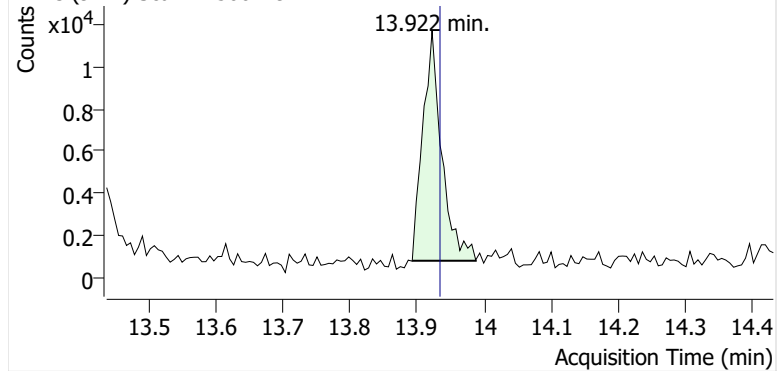


+ Scan (13.330-13.530 min, 33 scans) B2500229.D

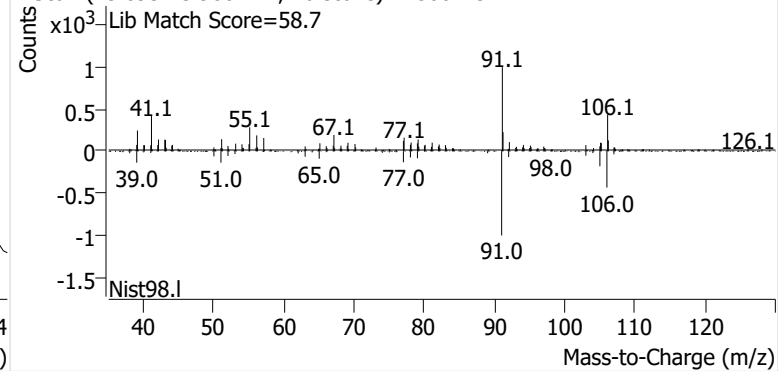


o-Xylene

+ EIC (91.1) Scan B2500229.D

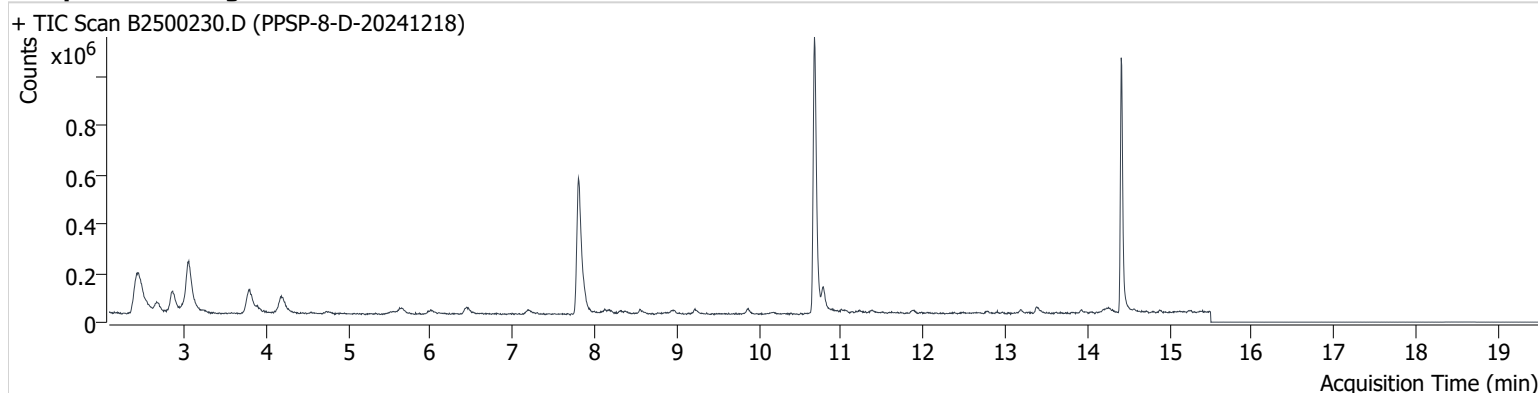


+ Scan (13.893-13.988 min, 16 scans) B2500229.D



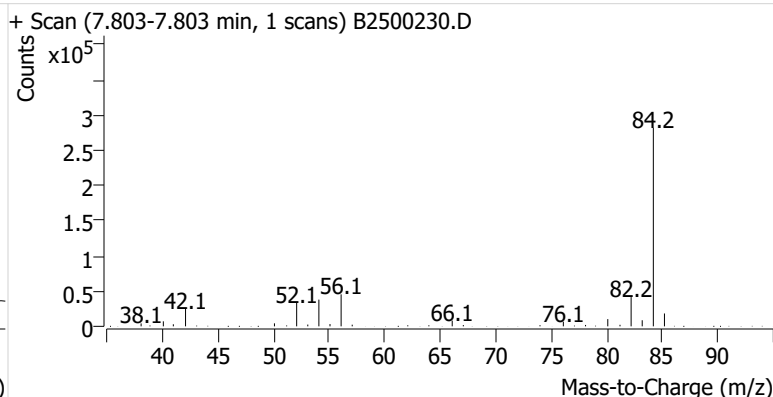
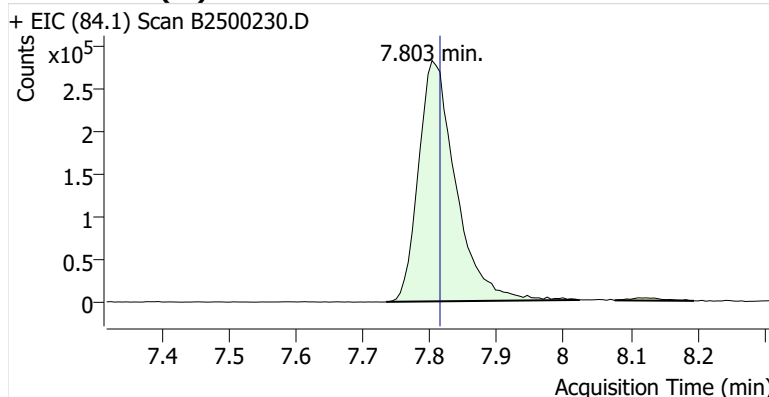
Name PPSP-8-D-20241218
Comment C38565
Data File B2500230.D
Acq. Date-Time 1/11/2025 11:15:36 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

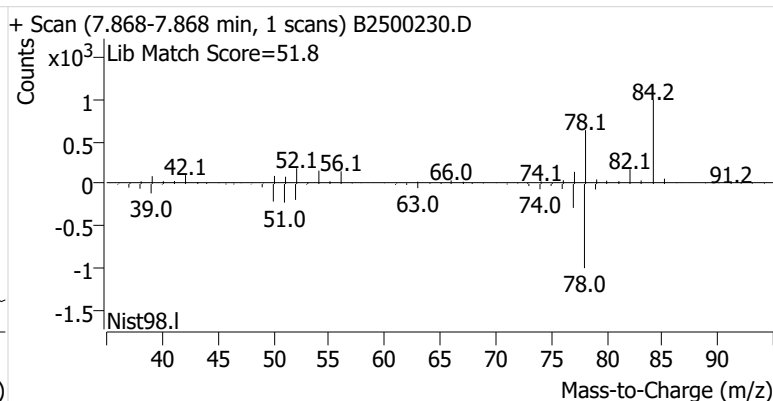
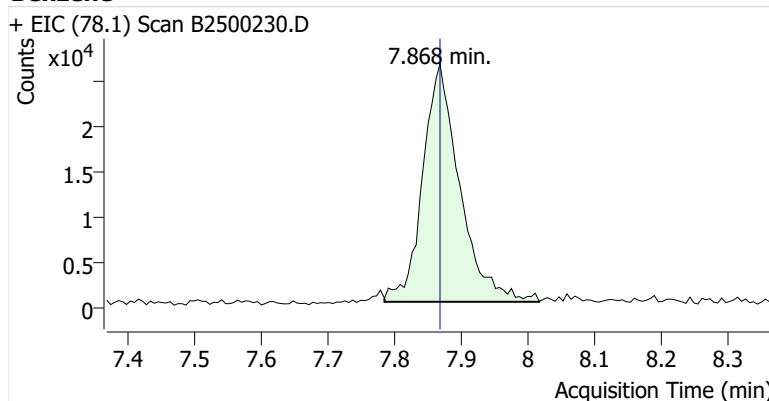


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.803	7.815	1,088,716	
Benzene	benzene-d6 (IS)	7.868	7.868	102,050	
Toluene-d8 (IS)		10.676	10.693	1,222,960	
Toluene	Toluene-d8 (IS)	10.782	10.794	94,368	
Ethylbenzene	Toluene-d8 (IS)	13.192	13.198	13,706	
m-/p-Xylenes	Toluene-d8 (IS)	13.376	13.412	26,929	
o-Xylene	Toluene-d8 (IS)	13.928	13.934	10,519	

benzene-d6 (IS)

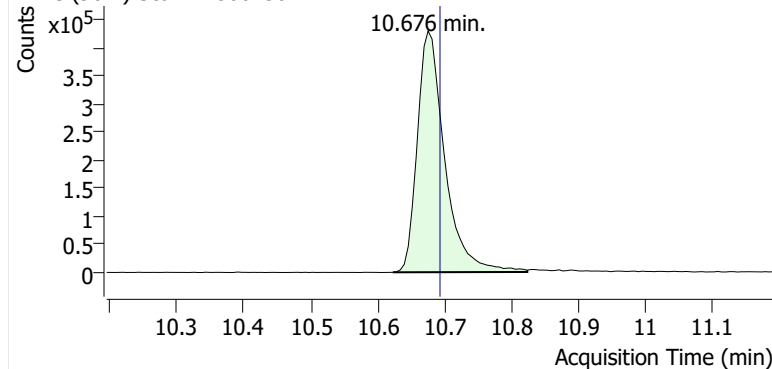


Benzene

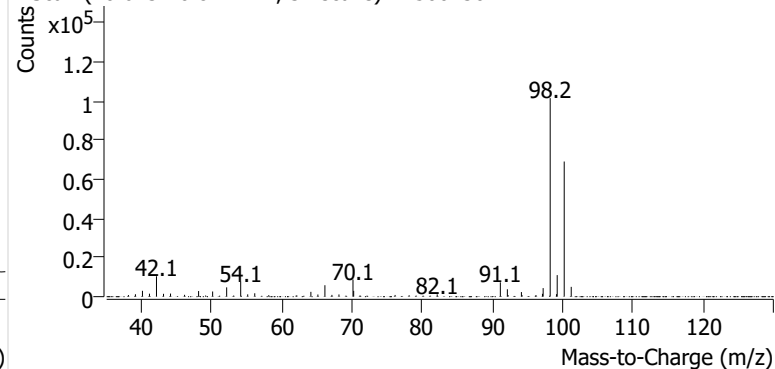


Toluene-d8 (IS)

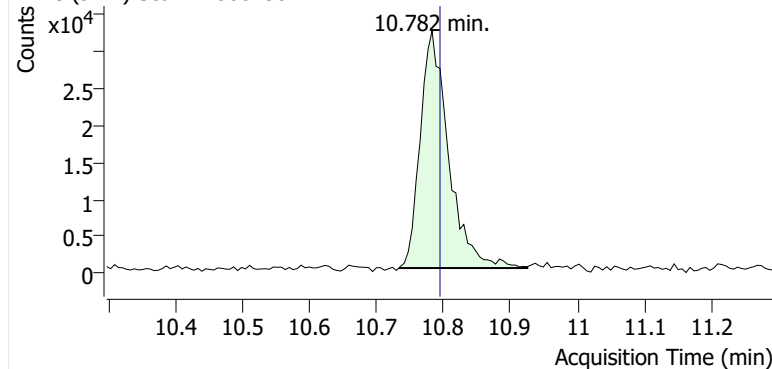
+ EIC (98.1) Scan B2500230.D



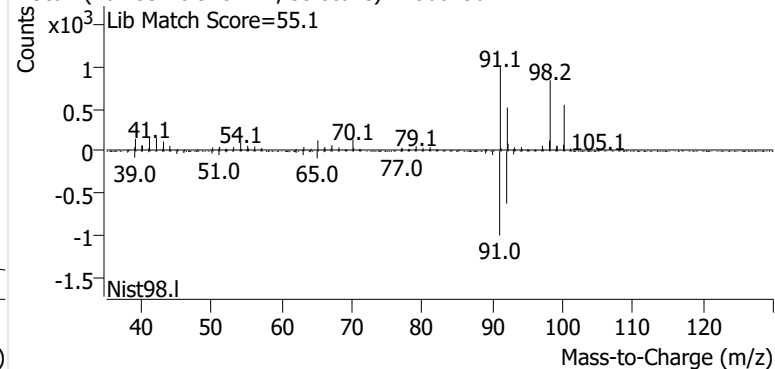
+ Scan (10.623-10.824 min, 34 scans) B2500230.D

**Toluene**

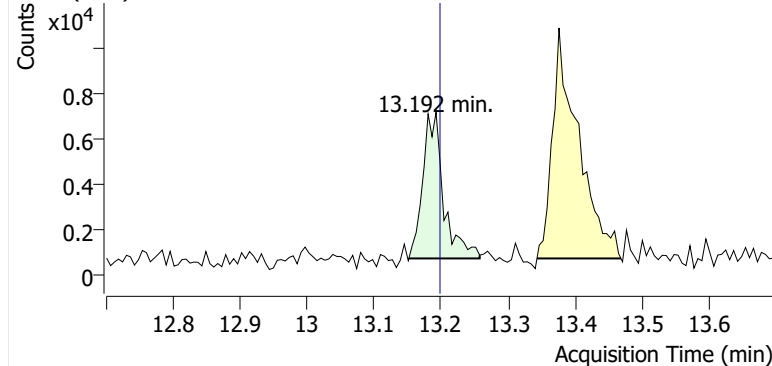
+ EIC (91.1) Scan B2500230.D



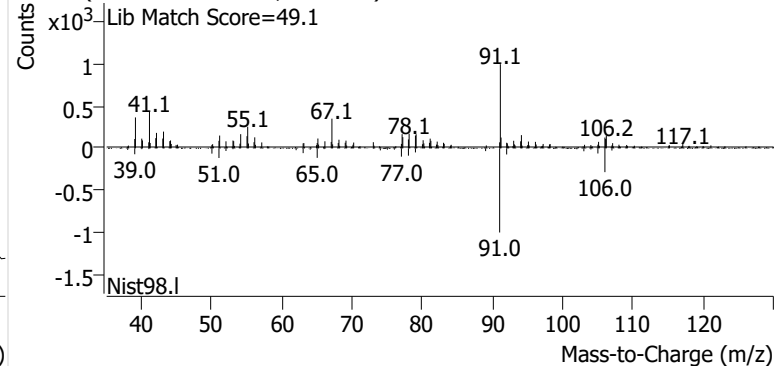
+ Scan (10.733-10.925 min, 33 scans) B2500230.D

**Ethylbenzene**

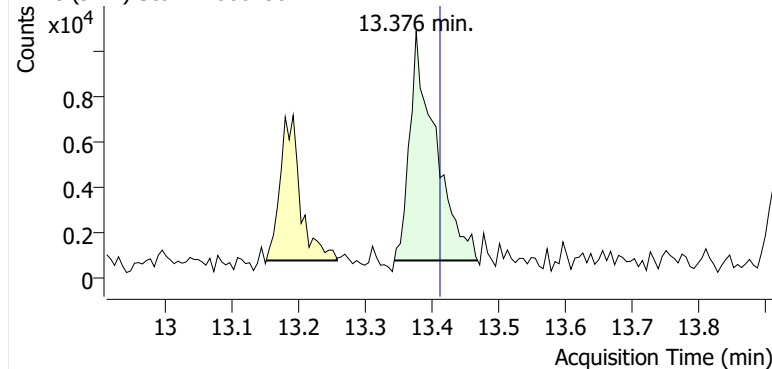
+ EIC (91.1) Scan B2500230.D



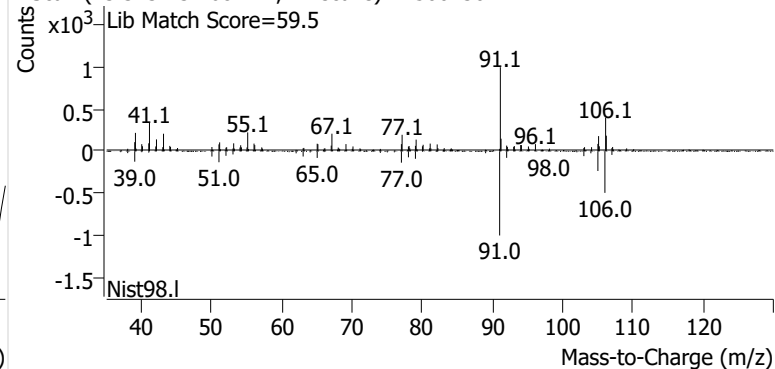
+ Scan (13.152-13.258 min, 18 scans) B2500230.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500230.D

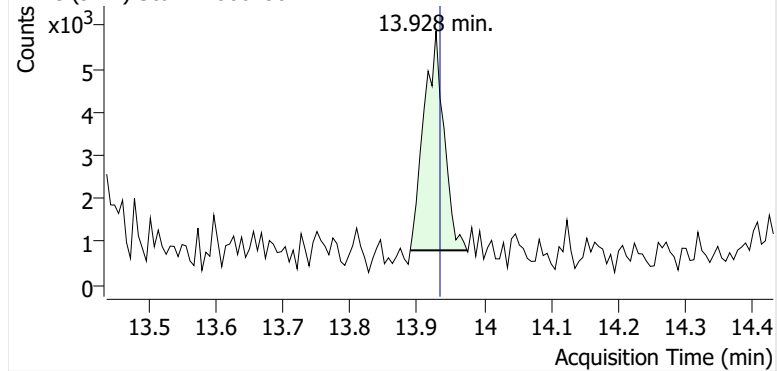


+ Scan (13.343-13.468 min, 21 scans) B2500230.D

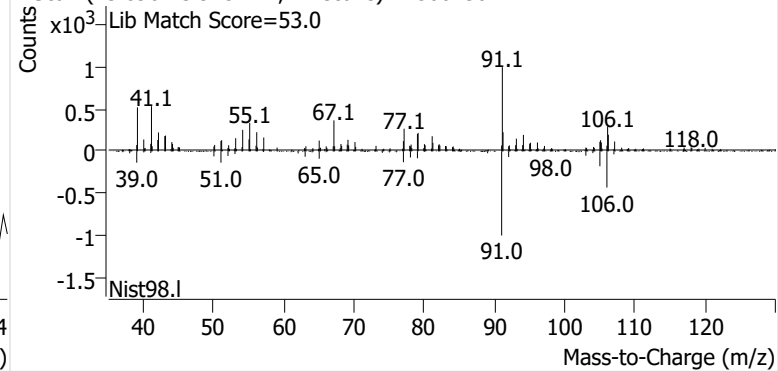


o-Xylene

+ EIC (91.1) Scan B2500230.D

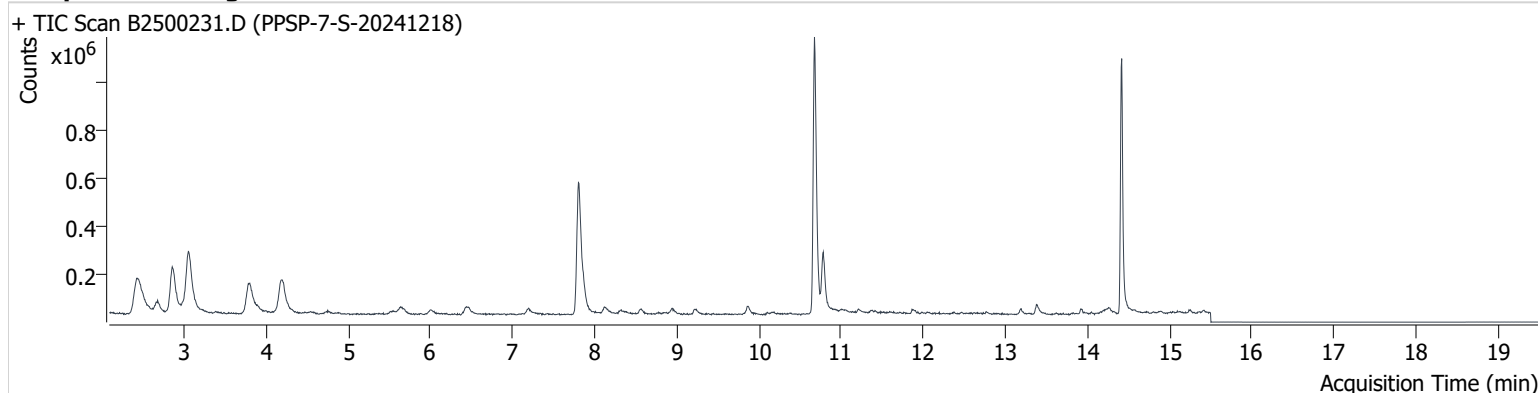


+ Scan (13.890-13.975 min, 14 scans) B2500230.D



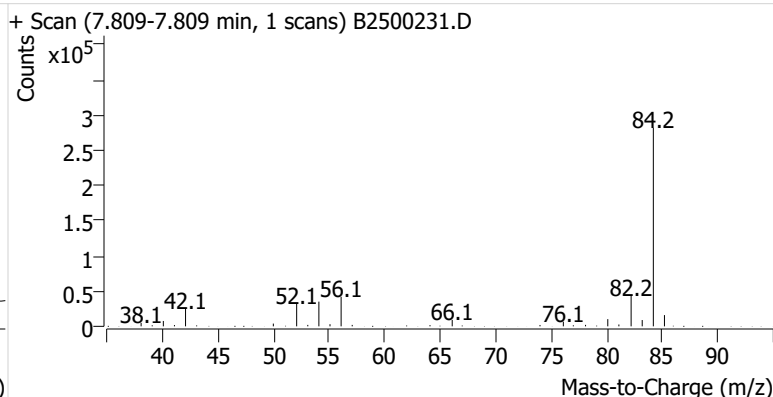
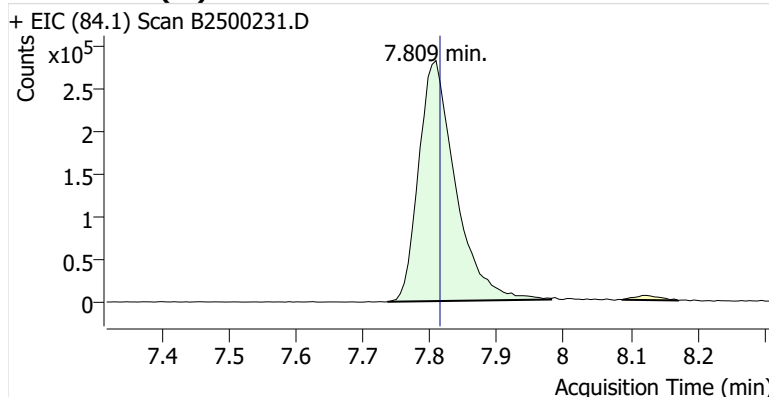
Name PPSP-7-S-20241218
Comment B42690
Data File B2500231.D
Acq. Date-Time 1/11/2025 11:52:55 PM
Acq. Method File M325B-TD
Tube Sorbent Carboxypack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

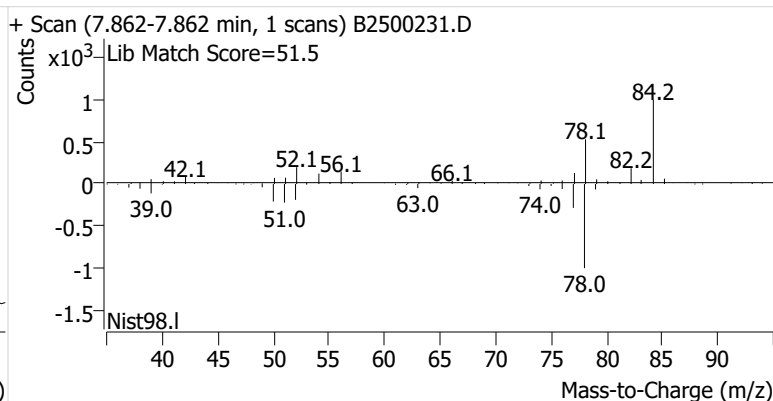
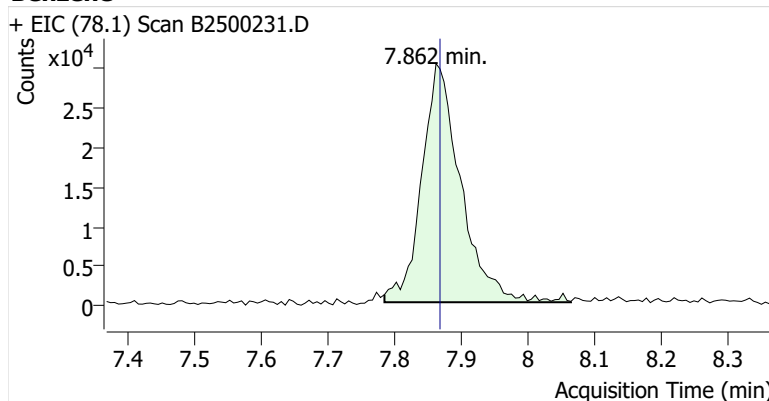


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		7.809	7.815	1,073,211	
Benzene	benzene-d6 (IS)	7.862	7.868	122,714	
Toluene-d8 (IS)		10.676	10.693	1,249,857	
Toluene	Toluene-d8 (IS)	10.782	10.794	277,671	
Ethylbenzene	Toluene-d8 (IS)	13.186	13.198	22,173	
m-/p-Xylenes	Toluene-d8 (IS)	13.382	13.412	43,378	
o-Xylene	Toluene-d8 (IS)	13.916	13.934	19,226	

benzene-d6 (IS)

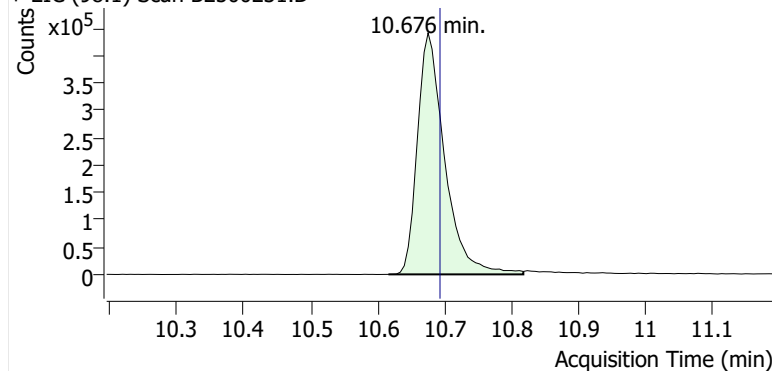


Benzene

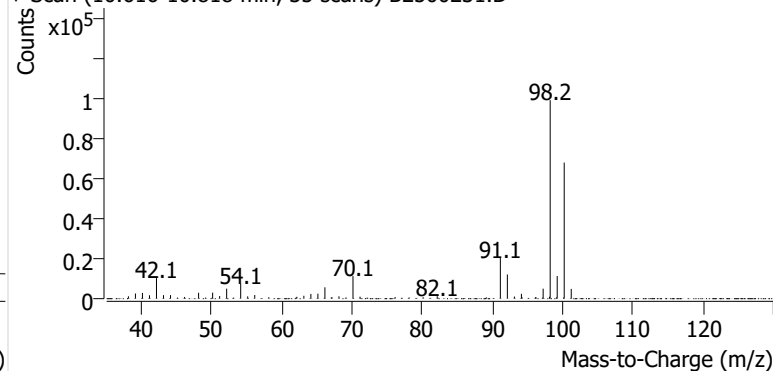


Toluene-d8 (IS)

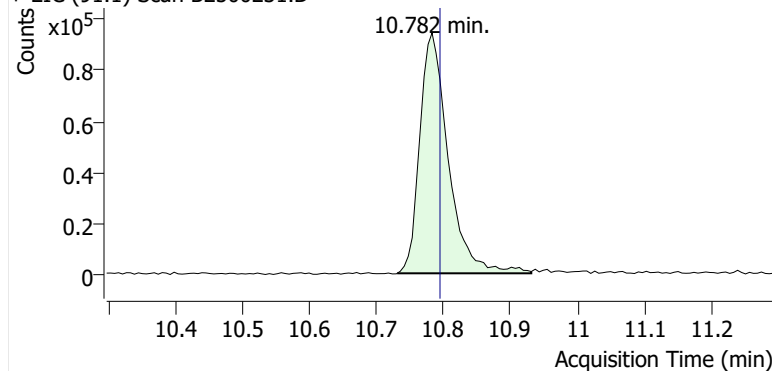
+ EIC (98.1) Scan B2500231.D



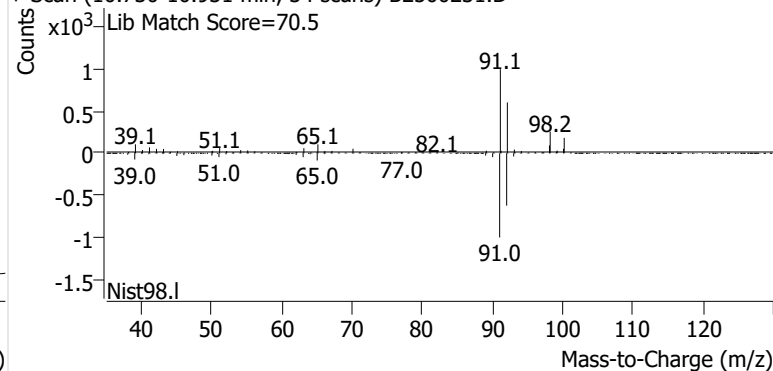
+ Scan (10.616-10.818 min, 35 scans) B2500231.D

**Toluene**

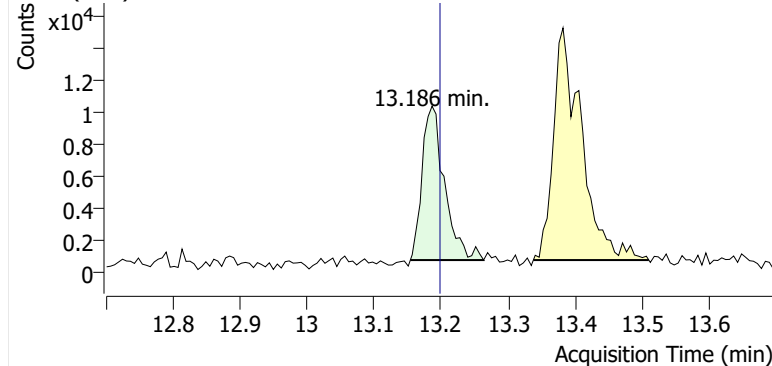
+ EIC (91.1) Scan B2500231.D



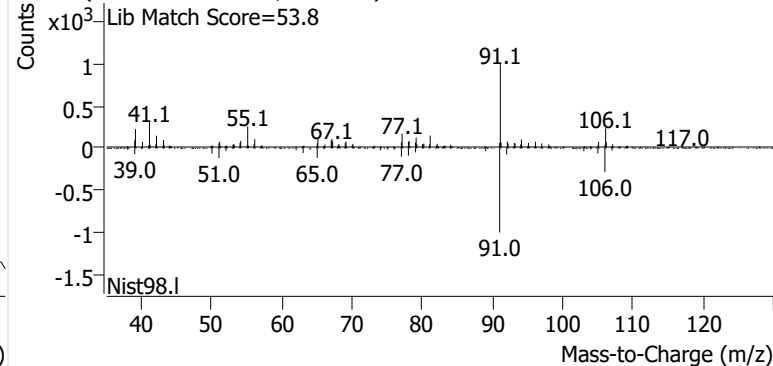
+ Scan (10.730-10.931 min, 34 scans) B2500231.D

**Ethylbenzene**

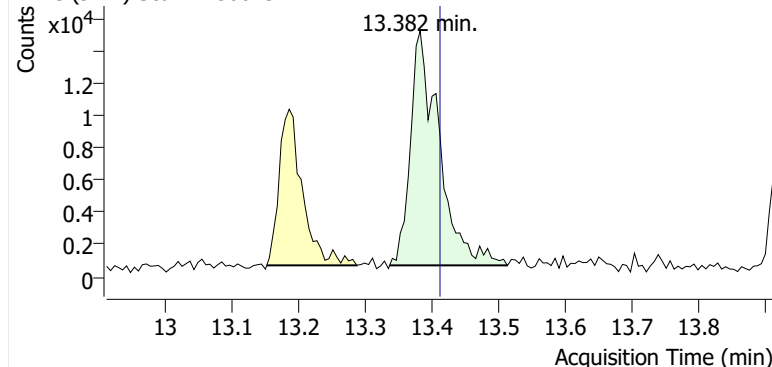
+ EIC (91.1) Scan B2500231.D



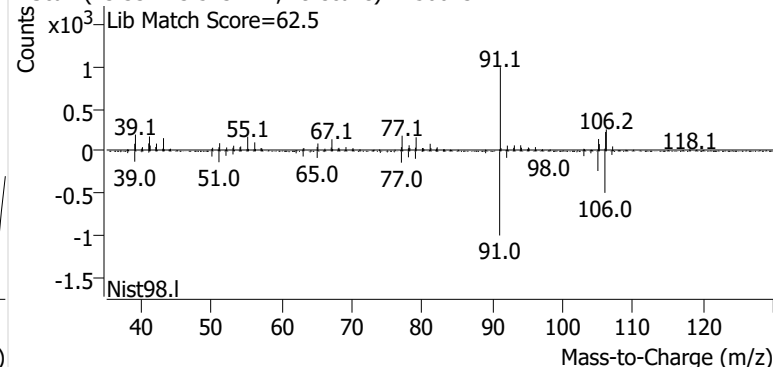
+ Scan (13.154-13.263 min, 19 scans) B2500231.D

**m-/p-Xylenes**

+ EIC (91.1) Scan B2500231.D

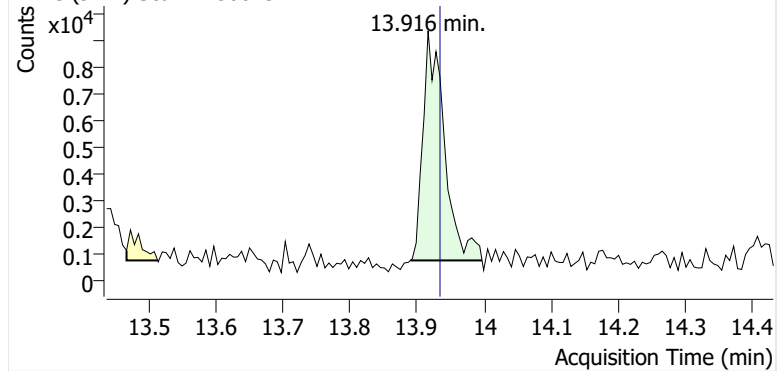


+ Scan (13.337-13.513 min, 29 scans) B2500231.D

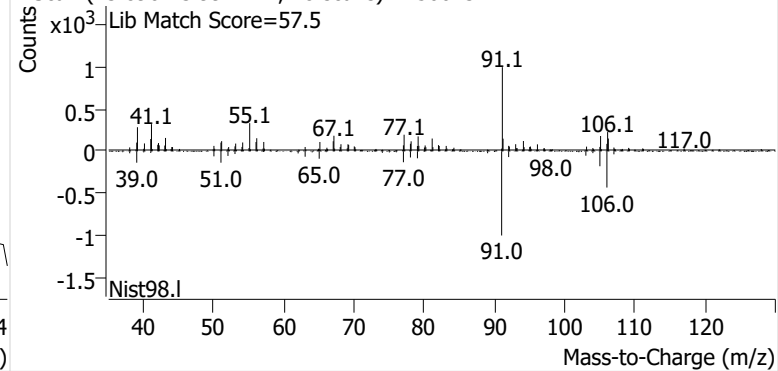


o-Xylene

+ EIC (91.1) Scan B2500231.D



+ Scan (13.890-13.997 min, 18 scans) B2500231.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.959	0.987	0.959	-2.7%	5.6%		Pass	
2025FW101 Method Blank-1	Blank		0.987	0.959			-1.9%	Pass	ND
M325B CCV 5 REC	Check	0.947	0.987	0.959	-4.0%		5.4%	Pass	
M325B CCV 5 REC	Check	0.938	0.987	0.959	-4.9%		6.5%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.091	1.296	1.091	-16%	7.0%		Pass	
2025FW101 Method Blank-1	Blank		1.296	1.091			0.19%	Pass	ND
M325B CCV 5 REC	Check	1.155	1.296	1.091	-11%		12%	Pass	
M325B CCV 5 REC	Check	1.172	1.296	1.091	-9.6%		11%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.801	0.897	0.801	-11%	7.0%		Pass	
2025FW101 Method Blank-1	Blank		0.897	0.801			0.19%	Pass	ND
M325B CCV 5 REC	Check	0.830	0.897	0.801	-7.5%		12%	Pass	
M325B CCV 5 REC	Check	0.835	0.897	0.801	-6.9%		11%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	0.862	1.019	0.862	-15%	7.0%		Pass	
2025FW101 Method Blank-1	Blank		1.019	0.862			0.19%	Pass	ND
M325B CCV 5 REC	Check	0.901	1.019	0.862	-12%		12%	Pass	
M325B CCV 5 REC	Check	0.897	1.019	0.862	-12%		11%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.247	1.159	1.247	7.6%	7.0%		Pass	
2025FW101 Method Blank-1	Blank		1.159	1.247			0.19%	Pass	ND
M325B CCV 5 REC	Check	1.140	1.159	1.247	-1.7%		12%	Pass	
M325B CCV 5 REC	Check	1.129	1.159	1.247	-2.6%		11%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	1	B2405433.D	5.25	67834	92.1	1017991	1.169	18%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	2	B2405434.D	10.49	119788	92.1	1002975	1.048	6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	3	B2405435.D	20.99	224542	92.1	1027453	0.959	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	4	B2405436.D	41.98	426479	92.1	1001212	0.934	-5.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	5	B2405437.D	104.95	1090357	92.1	1033283	0.926	-6.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	6	B2405438.D	209.90	2255330	92.1	1037385	0.954	-3.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	7	B2405439.D	629.69	6516173	92.1	1038243	0.918	-7.0%
						Avg:	1022649	0.987	
						%RSD:	1.5%	9.3%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	1	B2405433.D	5.39	69407	108.6	1111290	1.258	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	2	B2405434.D	10.79	148861	108.6	1123086	1.335	3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	3	B2405435.D	21.57	285927	108.6	1114502	1.292	-0.35%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	4	B2405436.D	43.14	557352	108.6	1103046	1.272	-1.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	5	B2405437.D	107.86	1465224	108.6	1158242	1.274	-1.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	6	B2405438.D	215.72	3132137	108.6	1166167	1.352	4.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	7	B2405439.D	647.17	9229537	108.6	1199921	1.291	-0.41%
						Avg:	1139465	1.296	
						%RSD:	3.2%	2.7%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	1	B2405433.D	5.43	35940	108.6	1111290	0.647	-28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	2	B2405434.D	10.86	100559	108.6	1123086	0.896	-0.11%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	3	B2405435.D	21.71	229053	108.6	1114502	1.028	15%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	4	B2405436.D	43.43	383206	108.6	1103046	0.869	-3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	5	B2405437.D	108.57	1008714	108.6	1158242	0.871	-2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	6	B2405438.D	217.14	2286065	108.6	1166167	0.981	9.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	7	B2405439.D	651.41	7093172	108.6	1199921	0.986	9.9%
						Avg:	1139465	0.897	
						%RSD:	3.2%	14%	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW101-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	1	B2405433.D	5.46	44125	108.6	1111290	0.790	-22%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	2	B2405434.D	10.92	115078	108.6	1123086	1.020	0.093%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	3	B2405435.D	21.83	243713	108.6	1114502	1.088	6.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	4	B2405436.D	43.67	464539	108.6	1103046	1.048	2.8%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	5	B2405437.D	109.16	1171419	108.6	1158242	1.006	-1.2%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	6	B2405438.D	218.33	2563847	108.6	1166167	1.094	7.4%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	7	B2405439.D	654.98	7849647	108.6	1199921	1.085	6.5%
						Avg:	1139465	1.019	
						%RSD:	3.2%	10%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	1	B2405433.D	5.45	72719	108.6	1111290	1.304	13%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	2	B2405434.D	10.90	135719	108.6	1123086	1.204	3.9%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	3	B2405435.D	21.80	262769	108.6	1114502	1.175	1.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	4	B2405436.D	43.60	514657	108.6	1103046	1.162	0.28%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	5	B2405437.D	108.99	1244129	108.6	1158242	1.071	-7.7%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	6	B2405438.D	217.98	2631364	108.6	1166167	1.124	-3.0%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	7	B2405439.D	653.93	7759895	108.6	1199921	1.074	-7.3%
						Avg:	1139465	1.159	
						%RSD:	3.2%	7.0%	
B101524A_CC233829_BTEX_R2.quantmethod.xml	Benzene	ICV	B2405440.D	64.23	635831	92.1	1007443	0.905	-8.3%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Ethylbenzene	ICV	B2405440.D	86.24	1135339	108.6	1205392	1.186	-8.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	m-/p-Xylenes	ICV	B2405440.D	89.77	920735	108.6	1205392	0.924	3.1%
B101524A_CC233829_BTEX_R2.quantmethod.xml	o-Xylene	ICV	B2405440.D	88.36	934049	108.6	1205392	0.953	-6.5%
B101524A_CC233829_BTEX_R2.quantmethod.xml	Toluene	ICV	B2405440.D	76.61	843616	108.6	1205392	0.992	-14%

M325B Report ver.20241206 printed Sunday, January 12, 2025 2:26 PM

**This Is The Last Page
Of This Report.**



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 13

Analytical Report (2025FW102)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.

A handwritten signature in black ink, reading "Conor Toomey". The signature is fluid and cursive, with the first name "Conor" and last name "Toomey" clearly distinguishable.

QA Review by Conor Toomey, QA Associate I

Report Issued: 01/28/2025



Summary of Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
PPSP-6-S-20250101	C37495	0.621			ND	0.420	J		ND	0.985	P
PPSP-5-S-20250101	B46816	0.612			ND	0.355	J		ND	1.29	P
PPSP-4-S-20250101	B38522	0.688			ND	0.310	J		ND	1.05	P
PPSP-3-S-20250101	B31349	0.707			ND		ND		ND	0.830	P
PPSP-2-S-20250101	B34852	0.720			ND		ND		ND	0.901	P
PPSP-1-S-20250101	C35849	1.30			ND	0.339	J		ND	0.953	P
PPSP-1-B-20250101	C43646		ND		ND		ND		ND		ND,P
PPSP-13-S-20250101	B48672	1.31			ND	0.357	J		ND	1.99	P
PPSP-12-S-20250101	B37414	1.98			ND	0.534	J		ND	2.23	P
PPSP-11-S-20250101	C43607	1.58			ND	0.517	J		ND	1.22	P
PPSP-10-S-20250101	C43302	0.624			ND	0.370	J		ND	1.17	P
PPSP-9-S-20250101	B27856	0.712			ND	0.401	J		ND	1.57	P
PPSP-8-S-20250101	B17597	0.715			ND	0.334	J		ND	0.901	P
PPSP-8-D-20250101	B43025	0.600			ND	0.353	J		ND	1.56	P
PPSP-7-S-20250101	C43266	0.599			ND	0.439	J		ND	1.31	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250101	C37495	0.621	0.194	7.90	24.9	0.637	20,008	0.196	0.390	0.0615	0.122	
PPSP-5-S-20250101	B46816	0.612	0.192	7.79	24.9	0.637	20,008	0.196	0.390	0.0615	0.122	
PPSP-4-S-20250101	B38522	0.688	0.216	8.77	24.9	0.637	20,009	0.196	0.390	0.0615	0.122	
PPSP-3-S-20250101	B31349	0.707	0.221	9.01	24.9	0.637	20,012	0.196	0.390	0.0615	0.122	
PPSP-2-S-20250101	B34852	0.720	0.225	9.17	24.9	0.637	20,012	0.196	0.390	0.0615	0.122	
PPSP-1-S-20250101	C35849	1.30	0.408	16.6	24.9	0.637	20,014	0.196	0.390	0.0615	0.122	
PPSP-1-B-20250101	C43646				24.9	0.637	20,014	0.196	0.390	0.0615	0.122	ND
PPSP-13-S-20250101	B48672	1.31	0.411	16.7	24.9	0.637	20,014	0.196	0.390	0.0615	0.122	
PPSP-12-S-20250101	B37414	1.98	0.621	25.3	24.9	0.637	20,017	0.196	0.390	0.0614	0.122	
PPSP-11-S-20250101	C43607	1.58	0.494	20.1	24.9	0.637	20,018	0.196	0.390	0.0614	0.122	
PPSP-10-S-20250101	C43302	0.624	0.196	7.96	24.9	0.637	20,018	0.196	0.390	0.0614	0.122	
PPSP-9-S-20250101	B27856	0.712	0.223	9.11	24.9	0.637	20,081	0.196	0.389	0.0612	0.122	
PPSP-8-S-20250101	B17597	0.715	0.224	9.12	24.9	0.637	20,023	0.196	0.390	0.0614	0.122	
PPSP-8-D-20250101	B43025	0.600	0.188	7.65	24.9	0.637	20,023	0.196	0.390	0.0614	0.122	
PPSP-7-S-20250101	C43266	0.599	0.188	7.64	24.9	0.637	20,024	0.196	0.390	0.0614	0.122	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250101	C37495				24.9	0.437	20,008	0.286	0.590	0.0659	0.136	ND
PPSP-5-S-20250101	B46816				24.9	0.437	20,008	0.286	0.590	0.0659	0.136	ND
PPSP-4-S-20250101	B38522				24.9	0.437	20,009	0.286	0.590	0.0659	0.136	ND
PPSP-3-S-20250101	B31349				24.9	0.437	20,012	0.286	0.590	0.0659	0.136	ND
PPSP-2-S-20250101	B34852				24.9	0.437	20,012	0.286	0.590	0.0659	0.136	ND
PPSP-1-S-20250101	C35849				24.9	0.437	20,014	0.286	0.590	0.0659	0.136	ND
PPSP-1-B-20250101	C43646				24.9	0.437	20,014	0.286	0.590	0.0659	0.136	ND
PPSP-13-S-20250101	B48672				24.9	0.437	20,014	0.286	0.590	0.0659	0.136	ND
PPSP-12-S-20250101	B37414				24.9	0.437	20,017	0.286	0.590	0.0658	0.136	ND
PPSP-11-S-20250101	C43607				24.9	0.437	20,018	0.286	0.590	0.0658	0.136	ND
PPSP-10-S-20250101	C43302				24.9	0.437	20,018	0.286	0.590	0.0658	0.136	ND
PPSP-9-S-20250101	B27856				24.9	0.437	20,081	0.285	0.588	0.0656	0.136	ND
PPSP-8-S-20250101	B17597				24.9	0.437	20,023	0.286	0.590	0.0658	0.136	ND
PPSP-8-D-20250101	B43025				24.9	0.437	20,023	0.286	0.590	0.0658	0.136	ND
PPSP-7-S-20250101	C43266				24.9	0.437	20,024	0.286	0.590	0.0658	0.136	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250101	C37495	0.420	0.0969	3.68	24.9	0.437	20,008	0.286	0.557	0.0659	0.128	J
PPSP-5-S-20250101	B46816	0.355	0.0819	3.11	24.9	0.437	20,008	0.286	0.557	0.0659	0.128	J
PPSP-4-S-20250101	B38522	0.310	0.0715	2.71	24.9	0.437	20,009	0.286	0.557	0.0659	0.128	J
PPSP-3-S-20250101	B31349				24.9	0.437	20,012	0.286	0.557	0.0659	0.128	ND
PPSP-2-S-20250101	B34852				24.9	0.437	20,012	0.286	0.557	0.0659	0.128	ND
PPSP-1-S-20250101	C35849	0.339	0.0781	2.96	24.9	0.437	20,014	0.286	0.557	0.0659	0.128	J
PPSP-1-B-20250101	C43646				24.9	0.437	20,014	0.286	0.557	0.0659	0.128	ND
PPSP-13-S-20250101	B48672	0.357	0.0823	3.12	24.9	0.437	20,014	0.286	0.557	0.0659	0.128	J
PPSP-12-S-20250101	B37414	0.534	0.123	4.67	24.9	0.437	20,017	0.286	0.557	0.0658	0.128	J
PPSP-11-S-20250101	C43607	0.517	0.119	4.52	24.9	0.437	20,018	0.286	0.557	0.0658	0.128	J
PPSP-10-S-20250101	C43302	0.370	0.0853	3.24	24.9	0.437	20,018	0.286	0.557	0.0658	0.128	J
PPSP-9-S-20250101	B27856	0.401	0.0925	3.52	24.9	0.437	20,081	0.285	0.555	0.0656	0.128	J
PPSP-8-S-20250101	B17597	0.334	0.0769	2.92	24.9	0.437	20,023	0.286	0.557	0.0658	0.128	J
PPSP-8-D-20250101	B43025	0.353	0.0815	3.09	24.9	0.437	20,023	0.286	0.557	0.0658	0.128	J
PPSP-7-S-20250101	C43266	0.439	0.101	3.84	24.9	0.437	20,024	0.286	0.557	0.0658	0.128	J

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250101	C37495				24.9	0.437	20,008	0.286	0.581	0.0659	0.134	ND
PPSP-5-S-20250101	B46816				24.9	0.437	20,008	0.286	0.581	0.0659	0.134	ND
PPSP-4-S-20250101	B38522				24.9	0.437	20,009	0.286	0.581	0.0659	0.134	ND
PPSP-3-S-20250101	B31349				24.9	0.437	20,012	0.286	0.581	0.0659	0.134	ND
PPSP-2-S-20250101	B34852				24.9	0.437	20,012	0.286	0.581	0.0659	0.134	ND
PPSP-1-S-20250101	C35849				24.9	0.437	20,014	0.286	0.581	0.0659	0.134	ND
PPSP-1-B-20250101	C43646				24.9	0.437	20,014	0.286	0.581	0.0659	0.134	ND
PPSP-13-S-20250101	B48672				24.9	0.437	20,014	0.286	0.581	0.0659	0.134	ND
PPSP-12-S-20250101	B37414				24.9	0.437	20,017	0.286	0.581	0.0658	0.134	ND
PPSP-11-S-20250101	C43607				24.9	0.437	20,018	0.286	0.581	0.0658	0.134	ND
PPSP-10-S-20250101	C43302				24.9	0.437	20,018	0.286	0.581	0.0658	0.134	ND
PPSP-9-S-20250101	B27856				24.9	0.437	20,081	0.285	0.579	0.0656	0.134	ND
PPSP-8-S-20250101	B17597				24.9	0.437	20,023	0.286	0.581	0.0658	0.134	ND
PPSP-8-D-20250101	B43025				24.9	0.437	20,023	0.286	0.581	0.0658	0.134	ND
PPSP-7-S-20250101	C43266				24.9	0.437	20,024	0.286	0.581	0.0658	0.134	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250101	C37495	0.985	0.261	9.73	24.9	0.494	20,008	0.253	0.543	0.0671	0.144	P
PPSP-5-S-20250101	B46816	1.29	0.342	12.7	24.9	0.494	20,008	0.253	0.543	0.0671	0.144	P
PPSP-4-S-20250101	B38522	1.05	0.278	10.3	24.9	0.494	20,009	0.253	0.543	0.0671	0.144	P
PPSP-3-S-20250101	B31349	0.830	0.220	8.21	24.9	0.494	20,012	0.253	0.543	0.0671	0.144	P
PPSP-2-S-20250101	B34852	0.901	0.239	8.91	24.9	0.494	20,012	0.253	0.543	0.0671	0.144	P
PPSP-1-S-20250101	C35849	0.953	0.253	9.43	24.9	0.494	20,014	0.253	0.543	0.0671	0.144	P
PPSP-1-B-20250101	C43646				24.9	0.494	20,014	0.253	0.543	0.0671	0.144	ND,P
PPSP-13-S-20250101	B48672	1.99	0.529	19.7	24.9	0.494	20,014	0.253	0.543	0.0671	0.144	P
PPSP-12-S-20250101	B37414	2.23	0.593	22.1	24.9	0.494	20,017	0.253	0.543	0.0671	0.144	P
PPSP-11-S-20250101	C43607	1.22	0.325	12.1	24.9	0.494	20,018	0.253	0.543	0.0671	0.144	P
PPSP-10-S-20250101	C43302	1.17	0.312	11.6	24.9	0.494	20,018	0.253	0.543	0.0671	0.144	P
PPSP-9-S-20250101	B27856	1.57	0.416	15.6	24.9	0.494	20,081	0.252	0.541	0.0669	0.144	P
PPSP-8-S-20250101	B17597	0.901	0.239	8.91	24.9	0.494	20,023	0.253	0.543	0.0671	0.144	P
PPSP-8-D-20250101	B43025	1.56	0.415	15.5	24.9	0.494	20,023	0.253	0.543	0.0671	0.144	P
PPSP-7-S-20250101	C43266	1.31	0.348	13.0	24.9	0.494	20,024	0.253	0.543	0.0671	0.144	P

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

QC



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	PPSP-1-B-20250101	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250101	18%	Pass		Pass	5.7%	Pass		Pass	54%	P

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW102

Custody	Enthalpy Analytical, LLC received the sample tubes on 1/16/25. The samples were received in good condition at a temperature of 9.6 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-MTD.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample PPSP-8-S-20241218 (tube ID C43638) and its corresponding duplicate PPSP-8-D-20241218 (tube ID C38565) failed to meet the 30% difference criterion specified by the method for Toluene only. All samples in the data set have been flagged “P” for Toluene only to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m³ and ppbv.



Enthalpy Analytical Narrative Summary

(continued)

The results presented in this report are representative of the samples as provided to the laboratory.

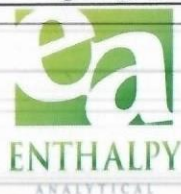
These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.



Sample Custody



2025 FW102



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line				PO#:		
Site Address:			Project Number:				Sample Event #		
City:			Project Manager: Tom Rolfson				Sorbent:		
State:			Email Address: tom.rolfson@powererg.com						
Zip:			Telephone #:						

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C37495 ✓	sample	1/1/25	1:37 PM	1/15/25	11:05 AM	JB / JB		
5	B46816 ✓	sample	1/1/25	1:44 PM	1/15/25	11:12 AM	JB / JB		
4	B38522 ✓	sample	1/1/25	1:49 PM	1/15/25	11:18 AM	JB / JB		
3	B31349 ✓	sample	1/1/25	1:52 PM	1/15/25	11:24 AM	JB / JB		
2	B34852 ✓	sample	1/1/25	1:57 PM	1/15/25	11:29 AM	JB / JB		
1	C35849 ✓	sample	1/1/25	1:59 PM	1/15/25	11:33 AM	JB / JB		
1	C43646 ✓	blank	1/1/25	1:59 PM	1/15/25	11:33 AM	JB / JB		
13	B48672 ✓	sample	1/1/25	2:04 PM	1/15/25	11:38 AM	JB / JB		

Relinquished By (printed):		Relinquished By (signature):		Relinquished Date:		Relinquished Time:	
Jen Bowidowicz		<i>Jennifer Bowidowicz</i>		1/15/2025			
Received By (printed):		Received By (signature):		Receipt Date:		Receipt Time:	
Bryan Allen		<i>[Signature]</i>		1/16/2025		12:30	
Sample Condition Upon Receipt:		Compound List:		Custody Seal intact? Y/N:		Delivery tracking #	
Good		BTEX		NO			
Ice Temp:	Blank Temp:			Add Custody Seal # below:			
9.6	FLUKE 7A			N/A			
Comments:							
Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

2025FW102



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal				Client Name: Portland Pipe Line				PO#:	
Site Address:				Project Number:				Sample Event #	
City:				Project Manager: Tom Rolfson				Sorbent:	
State:				Email Address: tom.rolfson@powererg.com					
Zip:				Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	B37414	✓ sample	1/1/25	2:09 PM	1/15/25	11:46 AM	JB / JB		
11	C43607	✓ sample	1/1/25	2:13 PM	1/15/25	11:51 AM	JB / JB		
10	C43302	✓ sample	1/1/25	2:19 PM	1/15/25	11:57 AM	JB / JB		
9	B27856	✓ sample	1/1/25	2:21 PM	1/15/25	① 1:02 AM PM	JB / JB		
8	B17597	✓ sample	1/1/25	2:26 PM	1/15/25	12:09 PM	JB / JB		
8	B43025	✓ duplicate	1/1/25	2:26 PM	1/15/25	12:09 PM	JB / JB		
7	C43266	✓ sample	1/1/25	2:30 PM	1/15/25	12:14 PM	JB / JB		

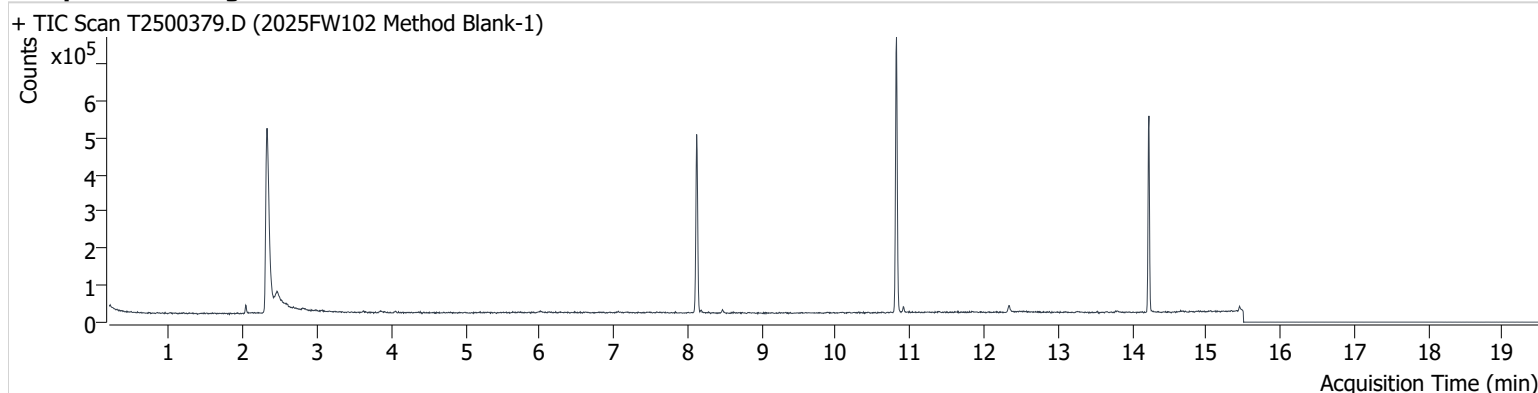
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Jen Bowidowicz		<i>Jennifer Bowidowicz</i>		1/15/2025			
Recieved By (printed):		Recieved By (signature):		Receipt Date:		Receipt Time:	
Beagan allen		<i>Beagan Allen</i>		1/16/2025		12:30	
Sample Condition Upon Receipt:		Compound List:		Custody Seal intact? Y/N:		Delivery tracking #	
Good		BTEX		NO			
Ice Temp:	Blank Temp:			Add Custody Seal # below:			
	9.6	Fluke 7A		N/A			
Comments: ① Correct Stop time is 1:02 PM. SER2 1/16/25							
Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

Sample Chromatograms



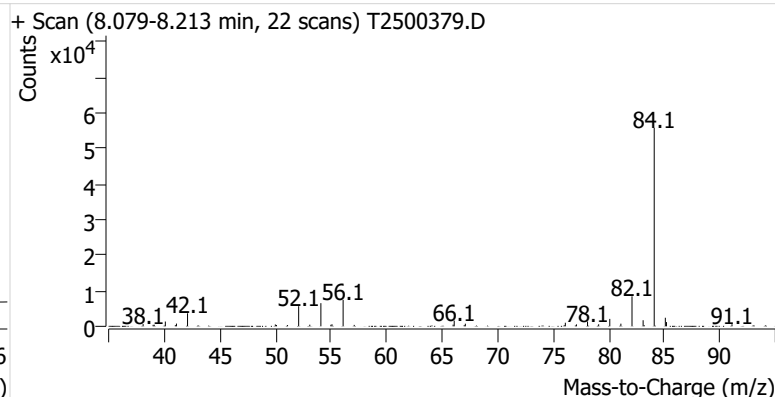
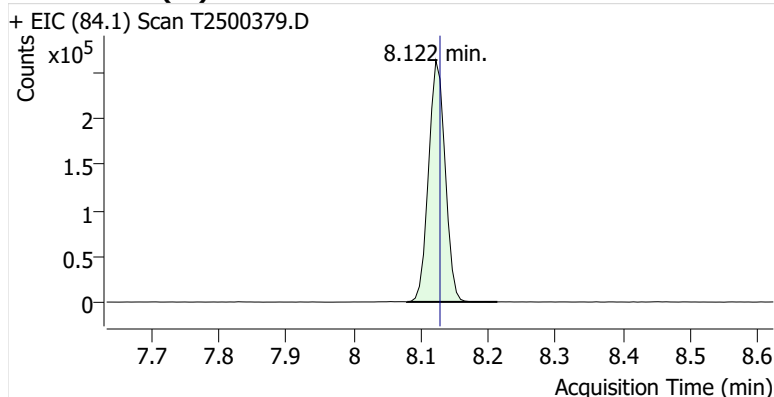
Name 2025FW102 Method Blank-1
Comment C20574
Data File T2500379.D
Acq. Date-Time 1/17/2025 12:55:33 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

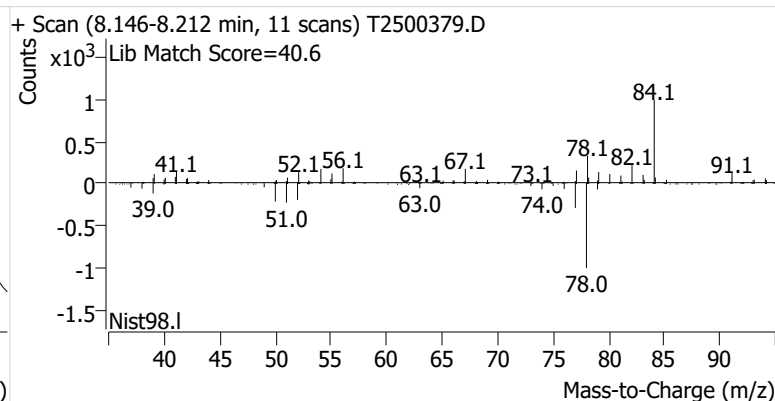
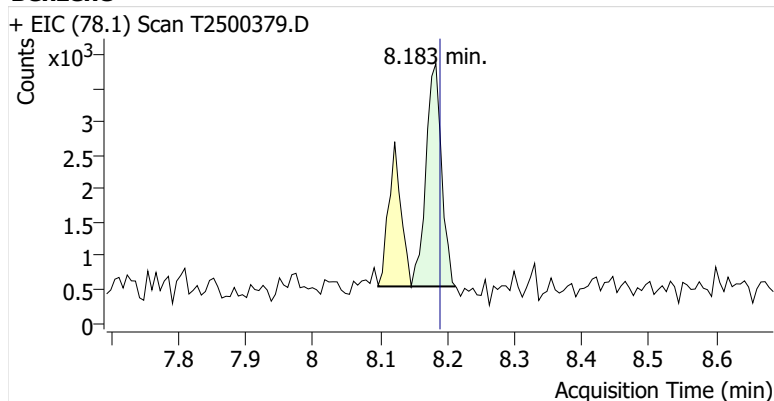


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	449,449	
Benzene	Benzene-d6 (IS)	8.183	8.189	5,374	
Toluene-d8 (IS)		10.820	10.820	485,700	
Toluene	Toluene-d8 (IS)	10.918	10.918	9,083	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	1,057	
m-/p-Xylenes	Toluene-d8 (IS)	13.291	13.285	1,597	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	1,483	m

Benzene-d6 (IS)

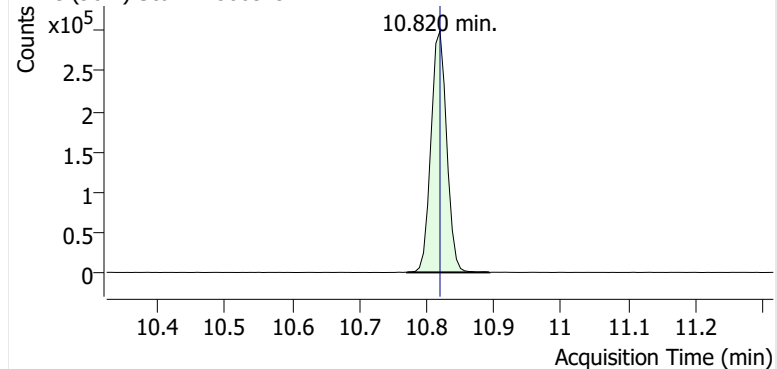


Benzene

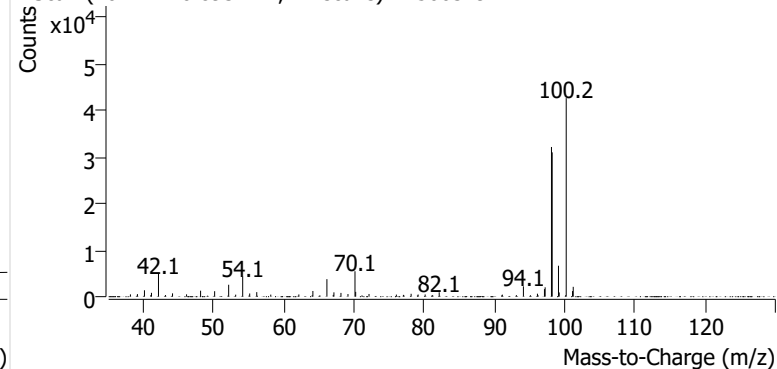


Toluene-d8 (IS)

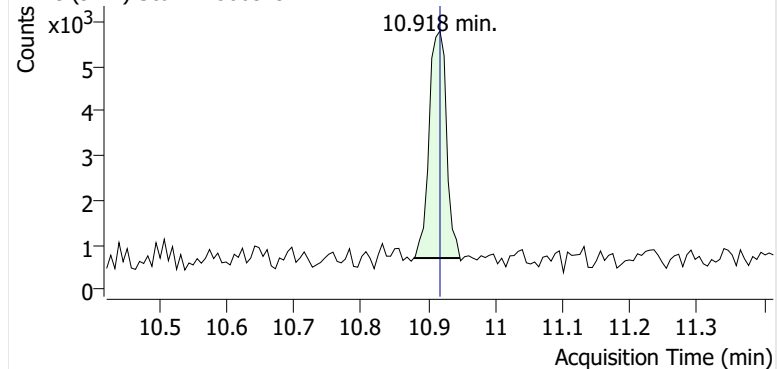
+ EIC (98.1) Scan T2500379.D



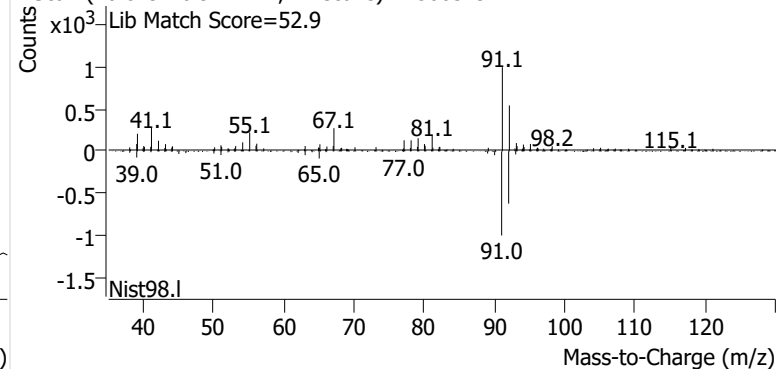
+ Scan (10.771-10.893 min, 21 scans) T2500379.D

**Toluene**

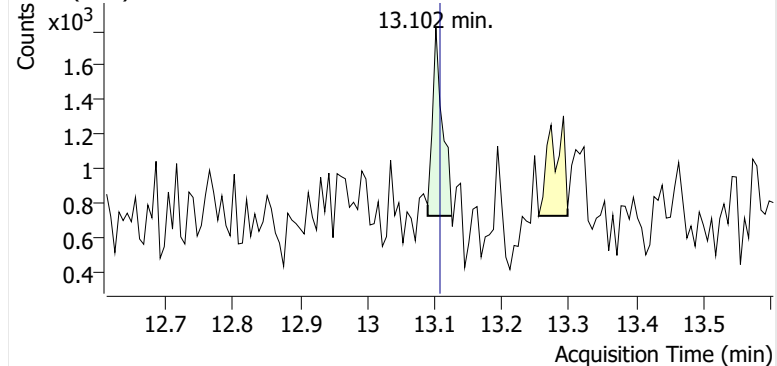
+ EIC (91.1) Scan T2500379.D



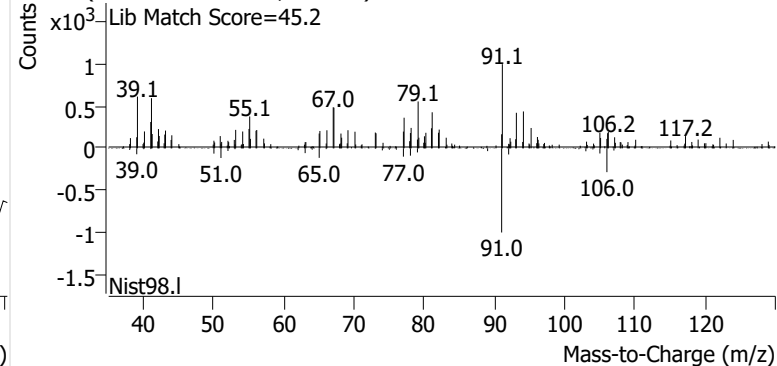
+ Scan (10.879-10.947 min, 11 scans) T2500379.D

**Ethylbenzene**

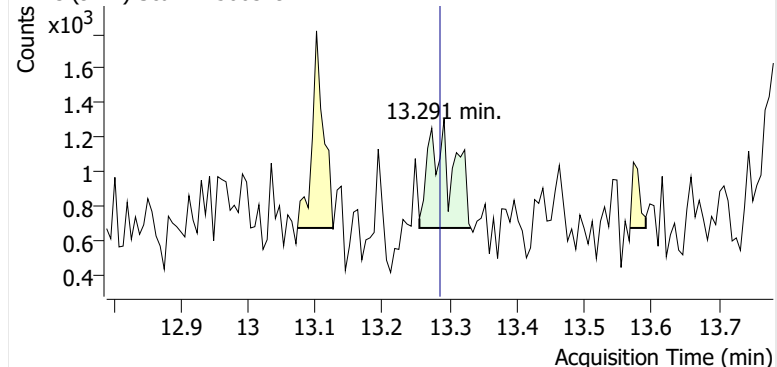
+ EIC (91.1) Scan T2500379.D



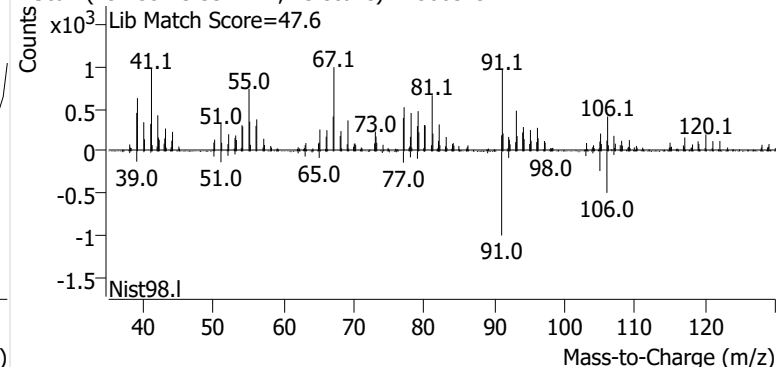
+ Scan (13.089-13.125 min, 6 scans) T2500379.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500379.D

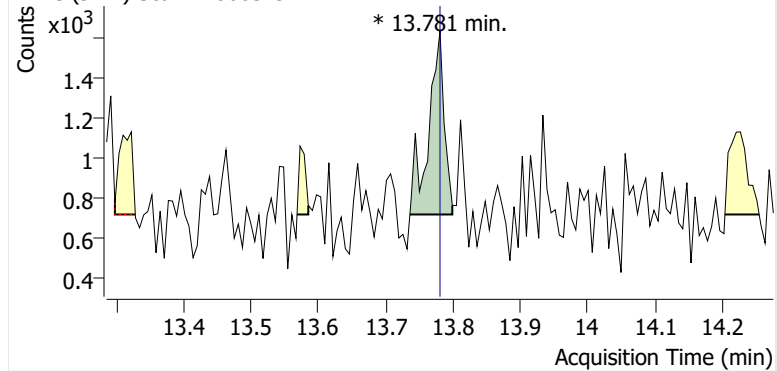


+ Scan (13.255-13.331 min, 13 scans) T2500379.D

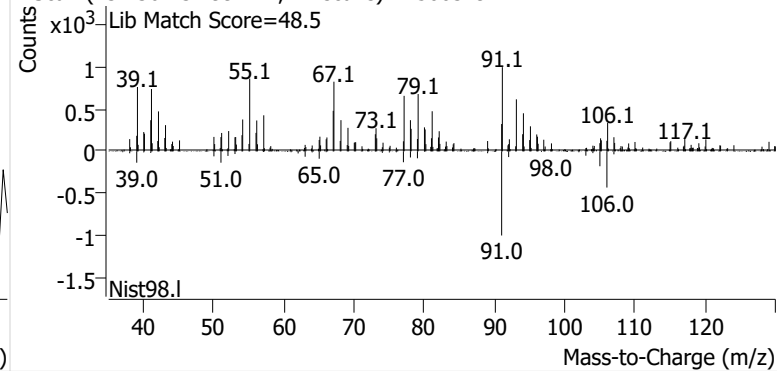


o-Xylene

+ EIC (91.1) Scan T2500379.D

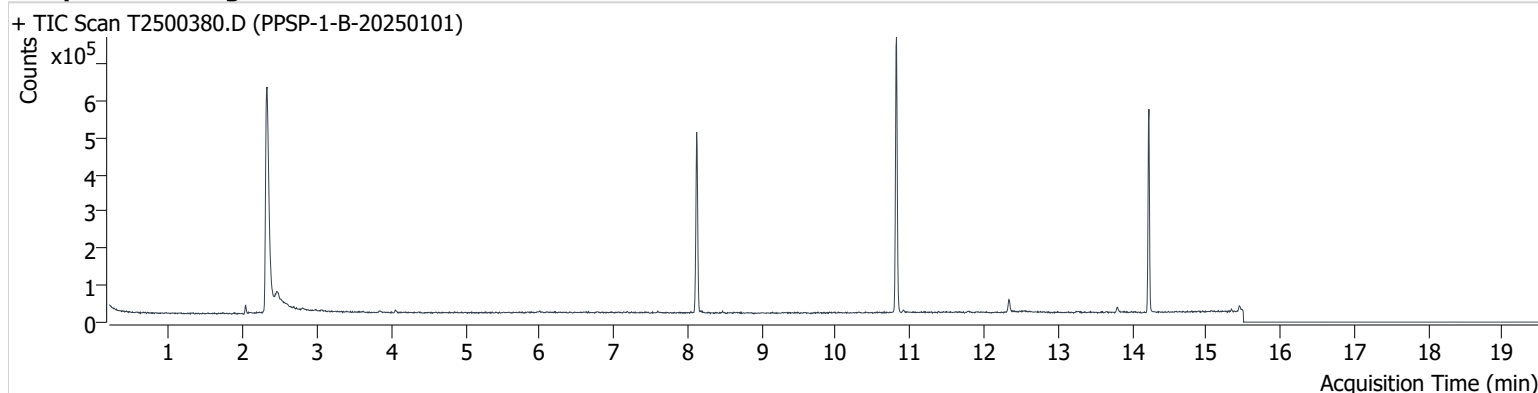


+ Scan (13.736-13.799 min, 11 scans) T2500379.D



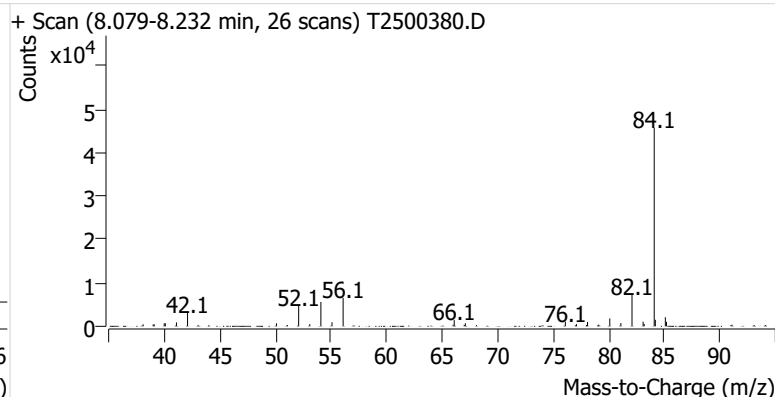
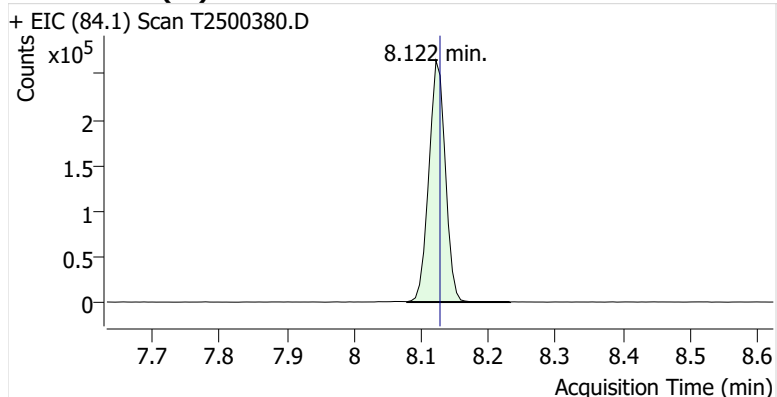
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Comment C43646
Data File T2500380.D
Acq. Date-Time 1/17/2025 1:22:15 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

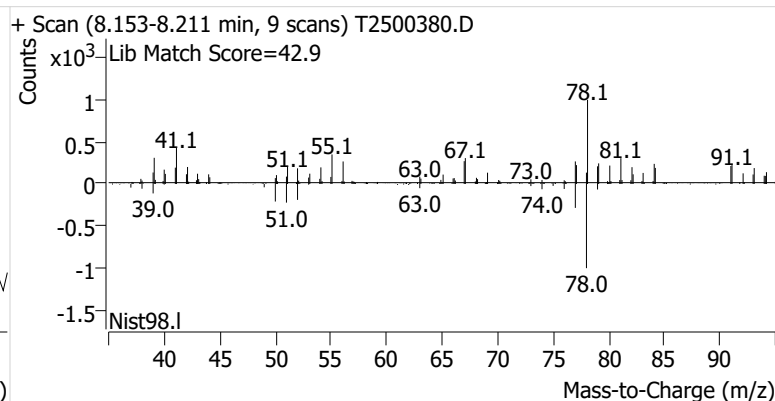
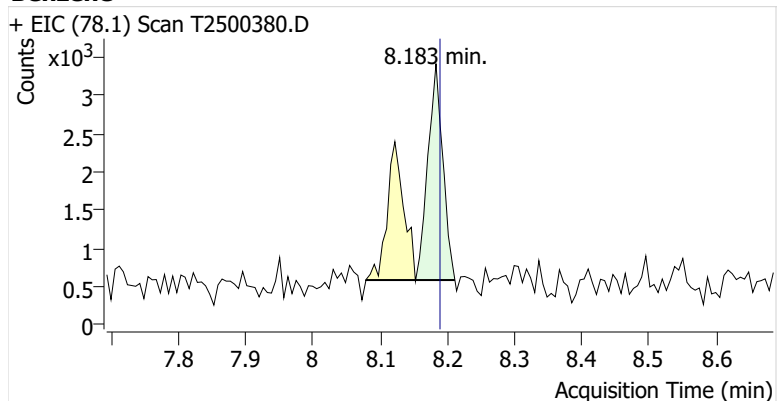


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	449,972	
Benzene	Benzene-d6 (IS)	8.183	8.189	4,300	
Toluene-d8 (IS)		10.820	10.820	490,014	
Toluene	Toluene-d8 (IS)	10.918	10.918	3,657	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.108	599	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.285	203	
o-Xylene	Toluene-d8 (IS)	13.787	13.781	446	

Benzene-d6 (IS)

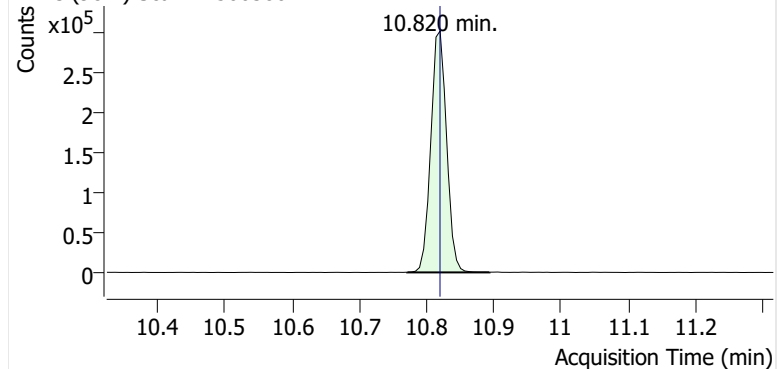


Benzene

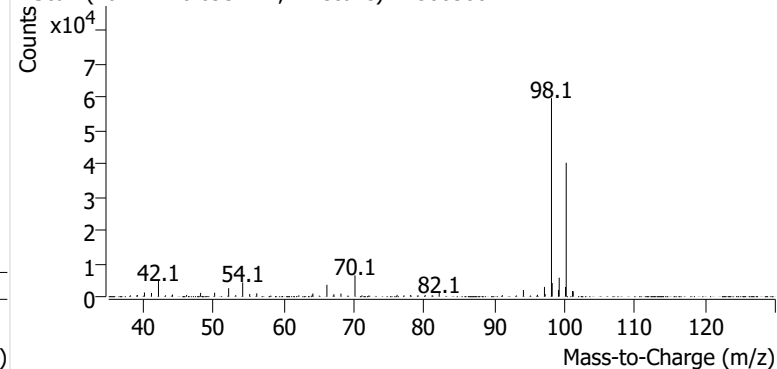


Toluene-d8 (IS)

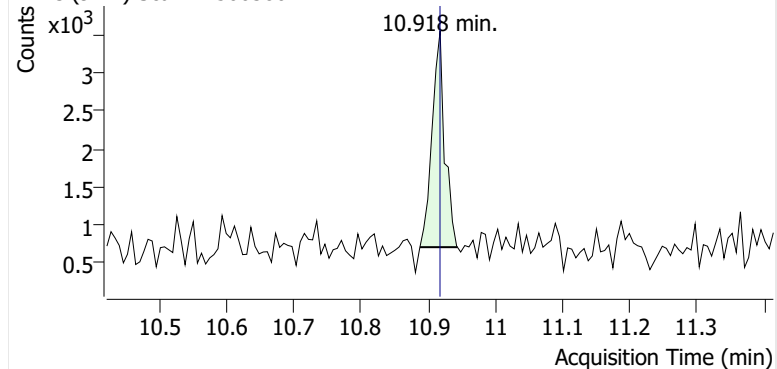
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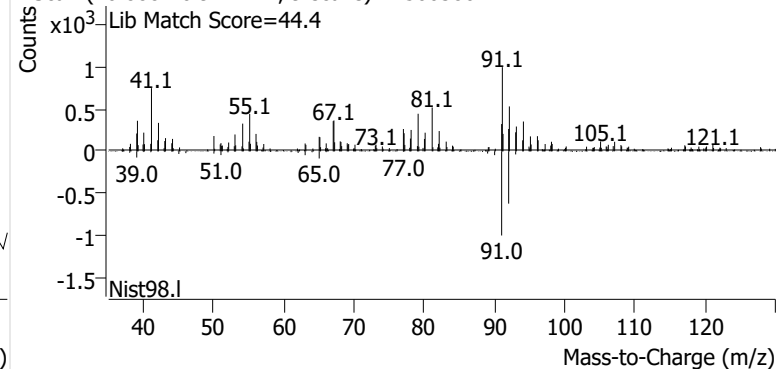
+ Scan (10.771-10.893 min, 21 scans) T2500380.D

**Toluene**

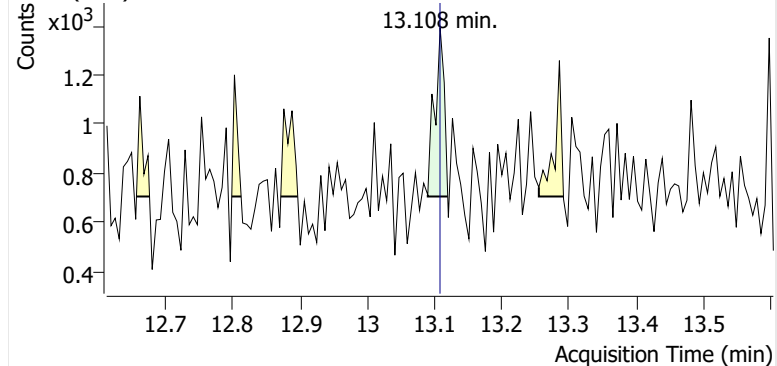
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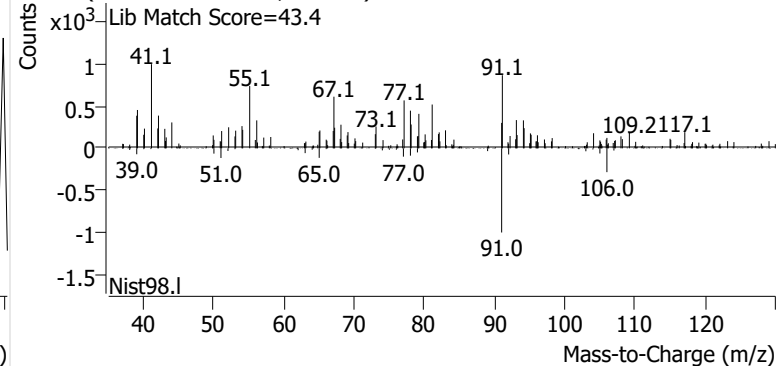
+ Scan (10.888-10.944 min, 9 scans) T2500380.D

**Ethylbenzene**

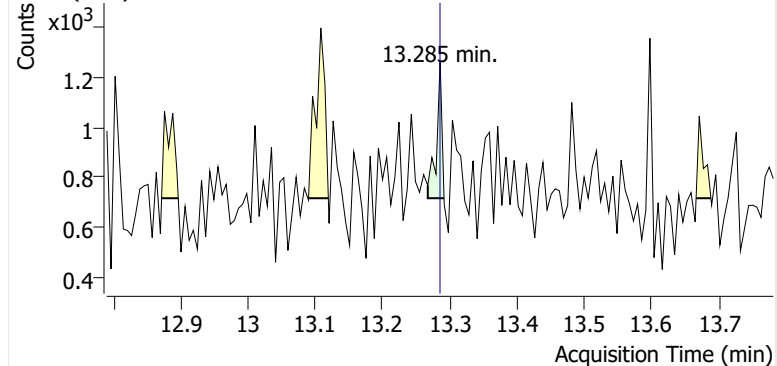
+ EIC (91.1) Scan T2500380.D



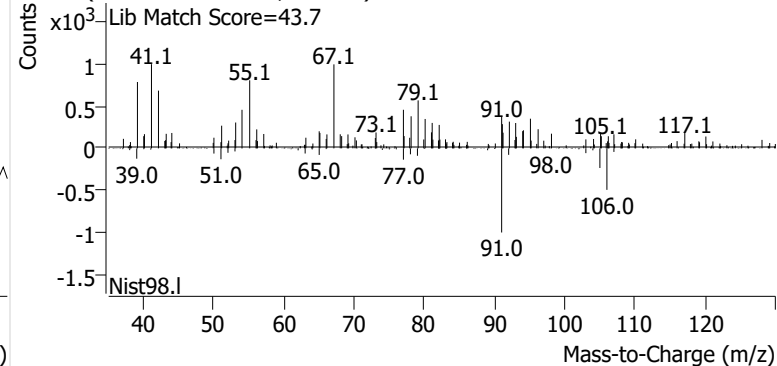
+ Scan (13.090-13.119 min, 5 scans) T2500380.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500380.D

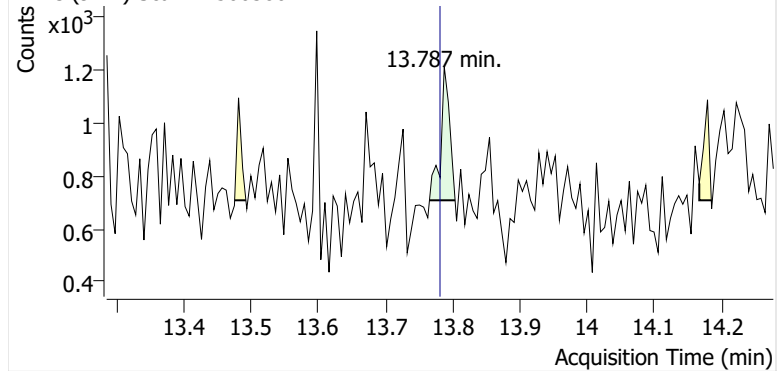


+ Scan (13.267-13.291 min, 4 scans) T2500380.D

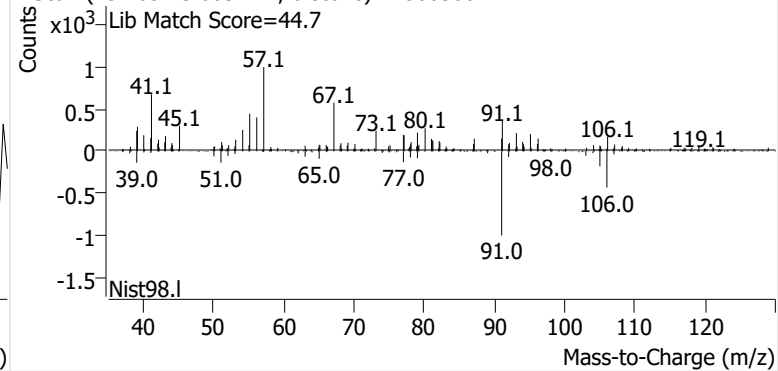


o-Xylene

+ EIC (91.1) Scan T2500380.D

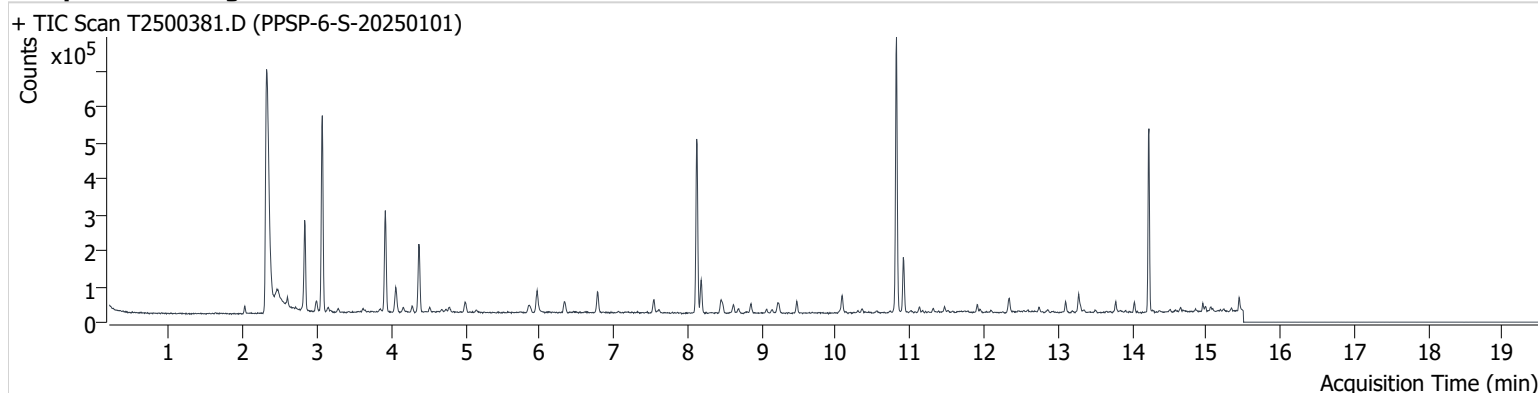


+ Scan (13.765-13.803 min, 6 scans) T2500380.D



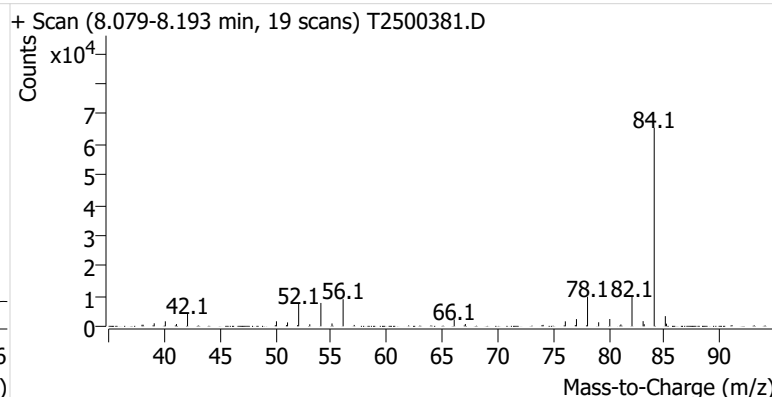
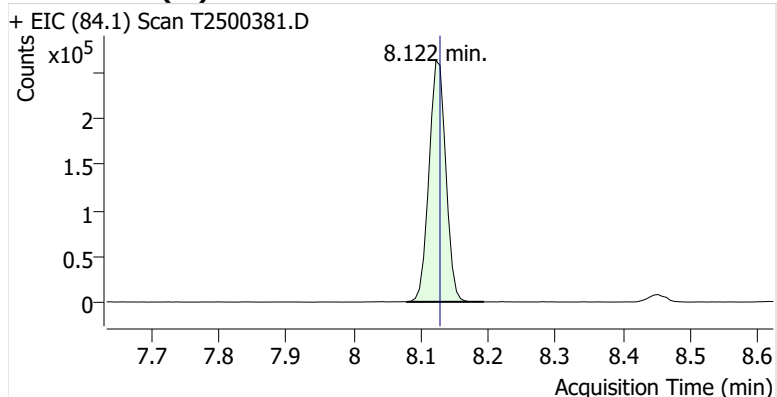
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Comment C37495
Data File T2500381.D
Acq. Date-Time 1/17/2025 1:49:05 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

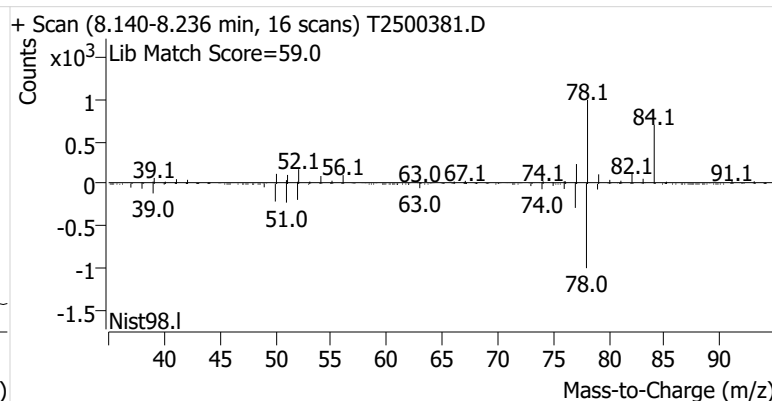
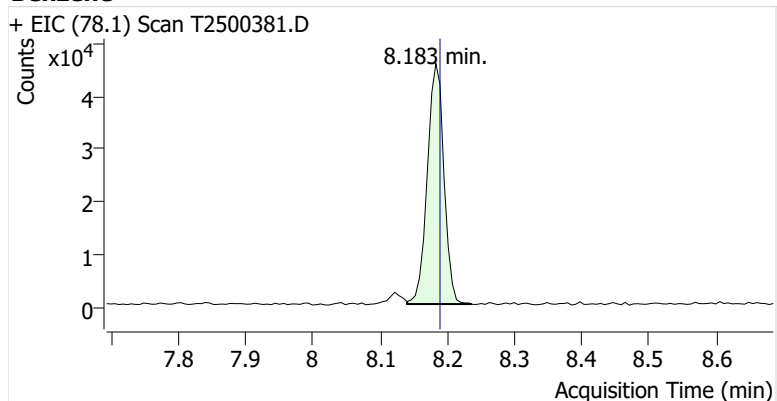


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	455,089	
Benzene	Benzene-d6 (IS)	8.183	8.189	78,493	
Toluene-d8 (IS)		10.820	10.820	494,399	
Toluene	Toluene-d8 (IS)	10.912	10.918	102,325	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	18,947	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	36,196	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	13,709	

Benzene-d6 (IS)

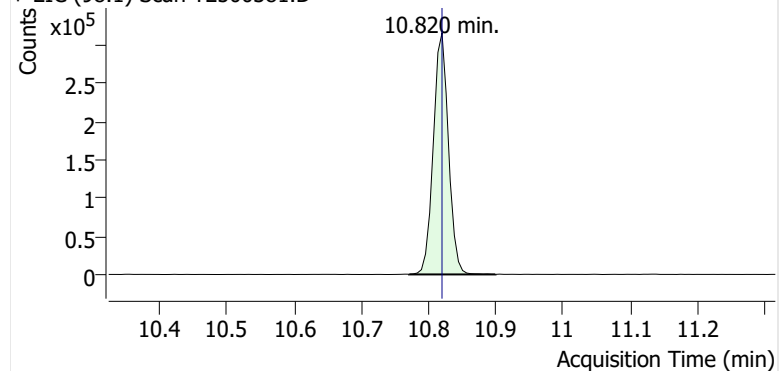


Benzene

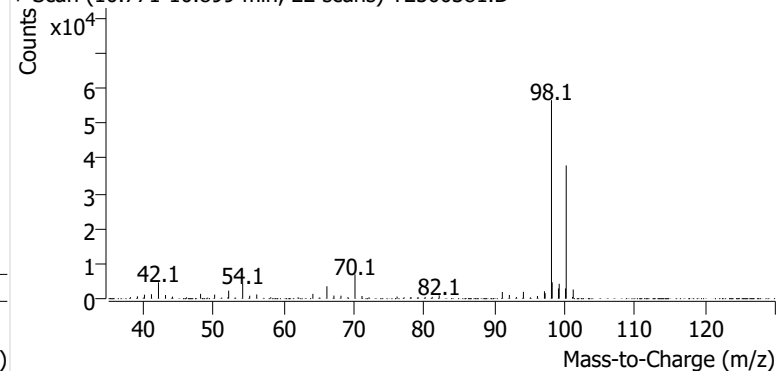


Toluene-d8 (IS)

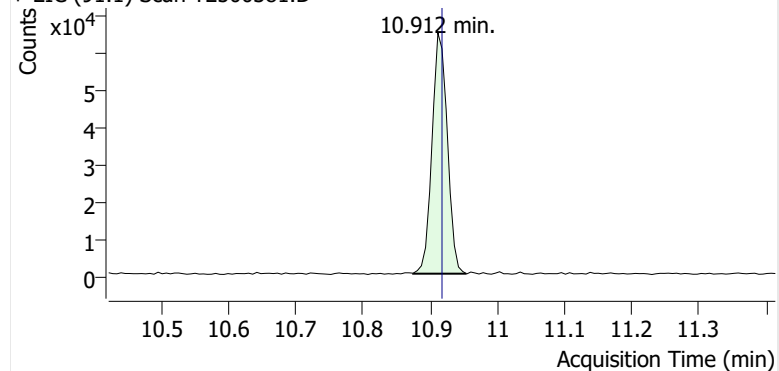
+ EIC (98.1) Scan T2500381.D



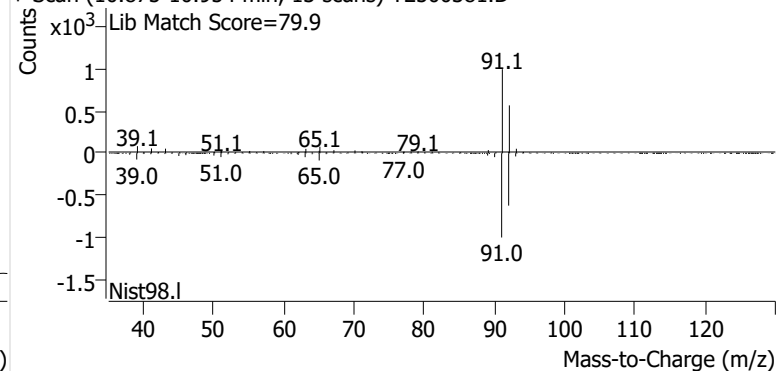
+ Scan (10.771-10.899 min, 22 scans) T2500381.D

**Toluene**

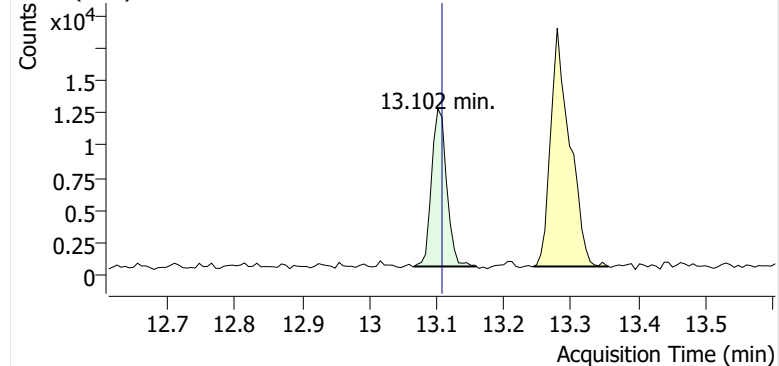
+ EIC (91.1) Scan T2500381.D



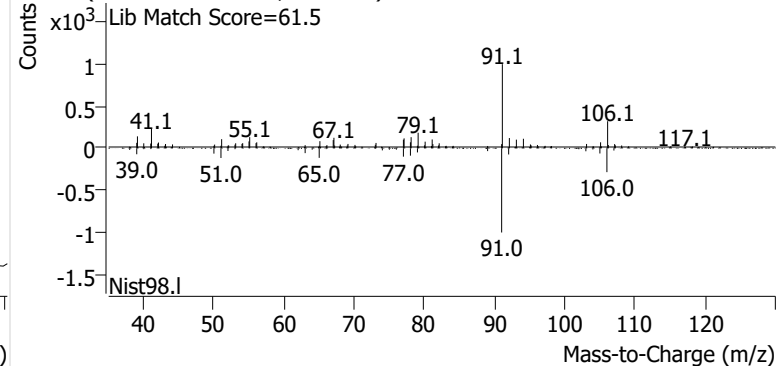
+ Scan (10.875-10.954 min, 13 scans) T2500381.D

**Ethylbenzene**

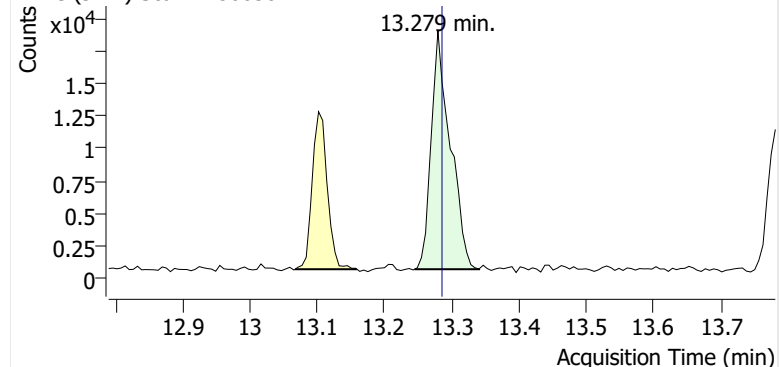
+ EIC (91.1) Scan T2500381.D



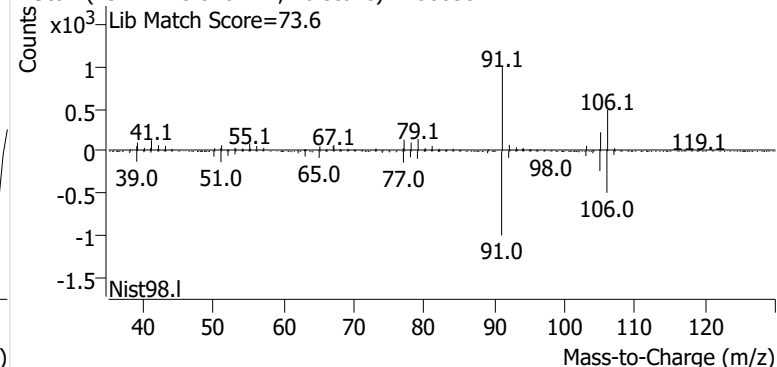
+ Scan (13.066-13.159 min, 15 scans) T2500381.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500381.D

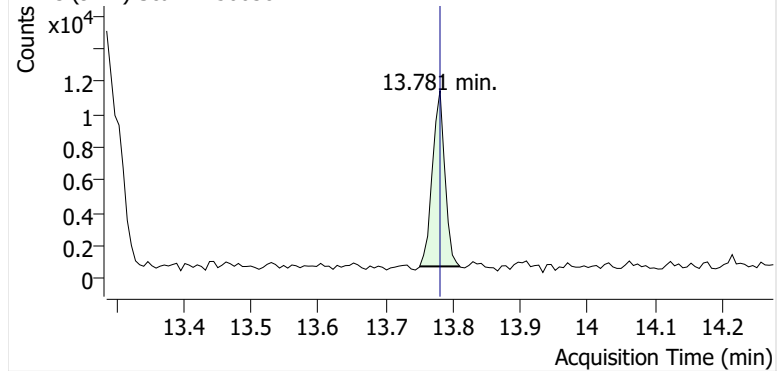


+ Scan (13.244-13.340 min, 16 scans) T2500381.D

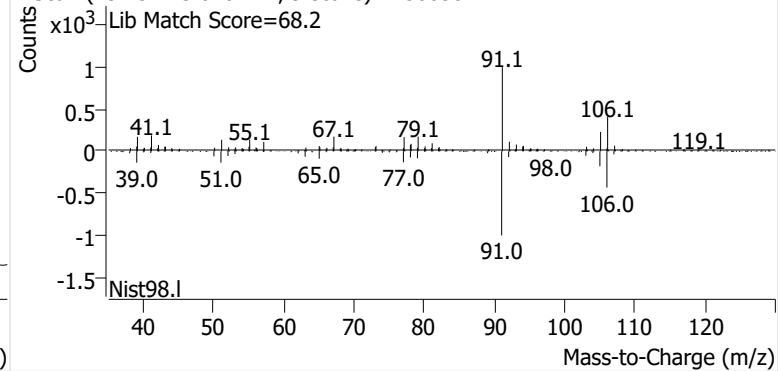


o-Xylene

+ EIC (91.1) Scan T2500381.D

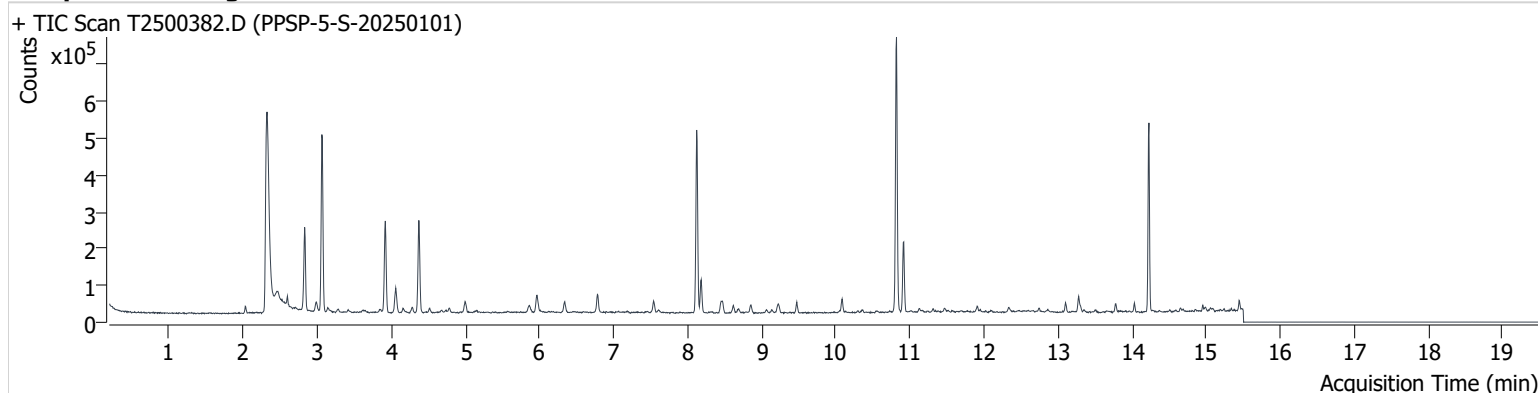


+ Scan (13.751-13.810 min, 9 scans) T2500381.D



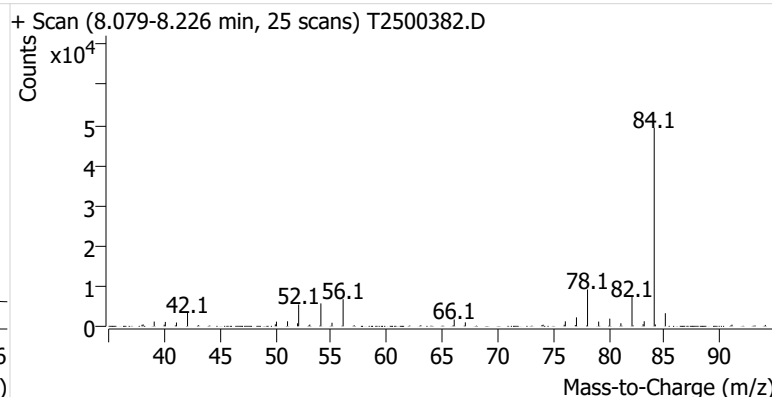
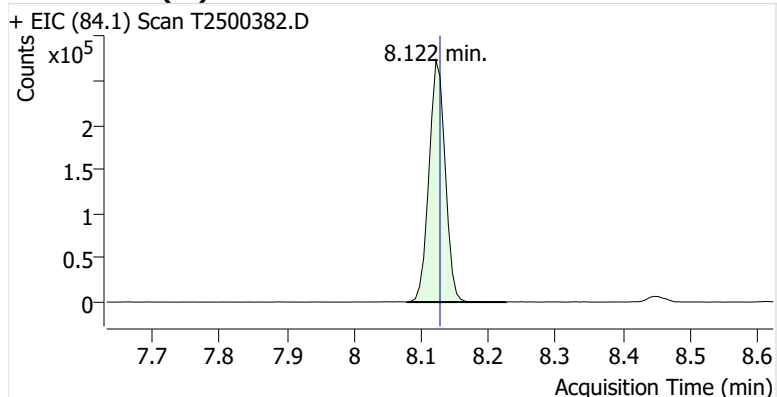
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Comment B46816
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Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

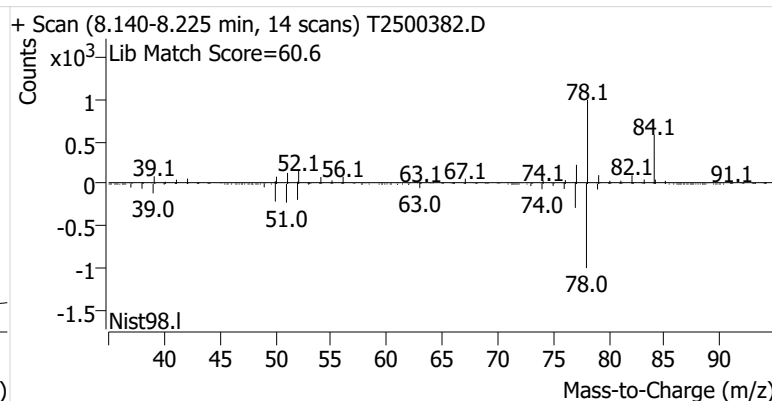
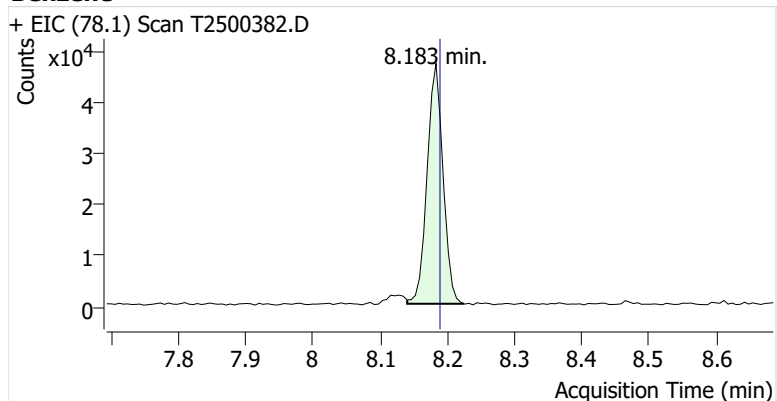


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	456,099	
Benzene	Benzene-d6 (IS)	8.183	8.189	77,563	
Toluene-d8 (IS)		10.820	10.820	494,231	
Toluene	Toluene-d8 (IS)	10.912	10.918	133,824	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	16,312	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	30,582	
o-Xylene	Toluene-d8 (IS)	13.775	13.781	12,239	

Benzene-d6 (IS)

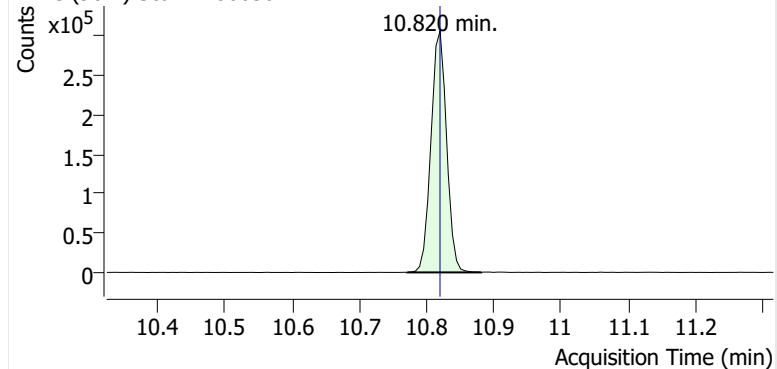


Benzene

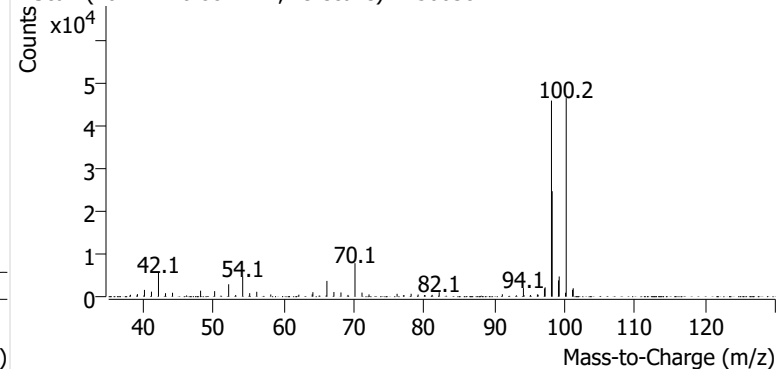


Toluene-d8 (IS)

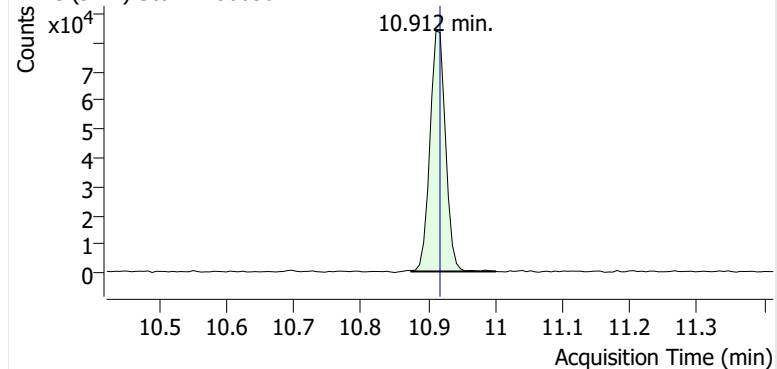
+ EIC (98.1) Scan T2500382.D



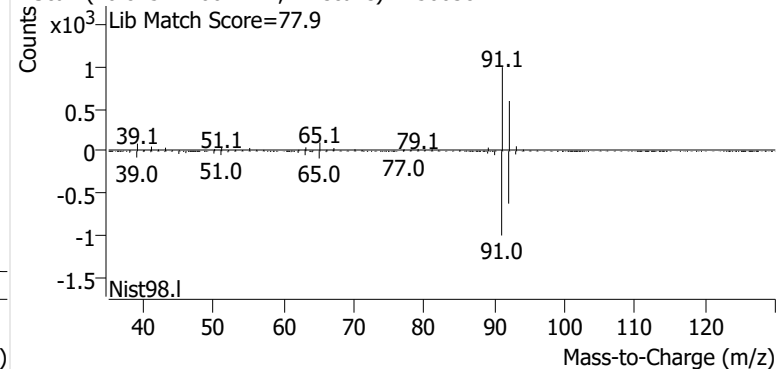
+ Scan (10.771-10.881 min, 19 scans) T2500382.D

**Toluene**

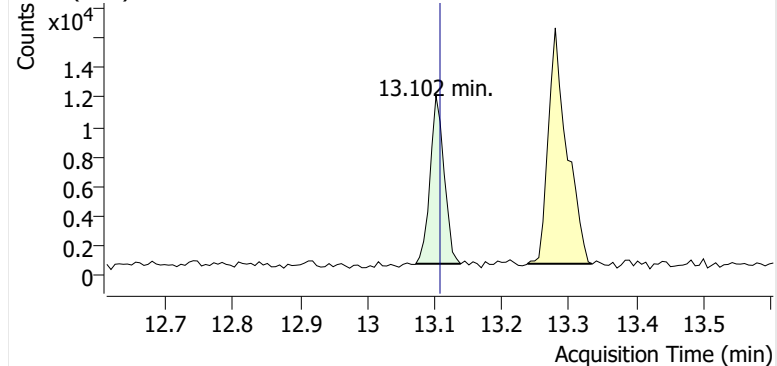
+ EIC (91.1) Scan T2500382.D



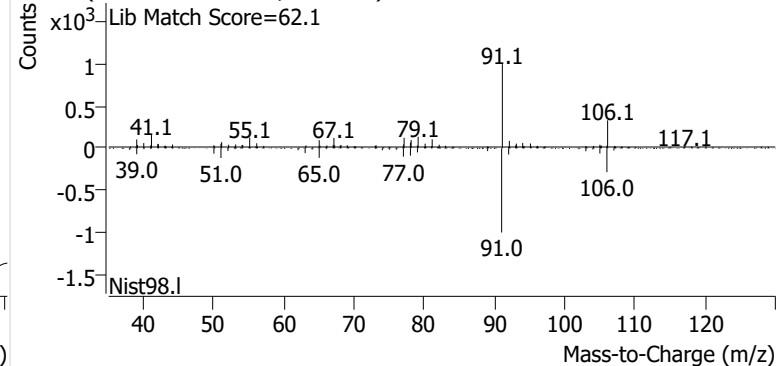
+ Scan (10.875-11.001 min, 21 scans) T2500382.D

**Ethylbenzene**

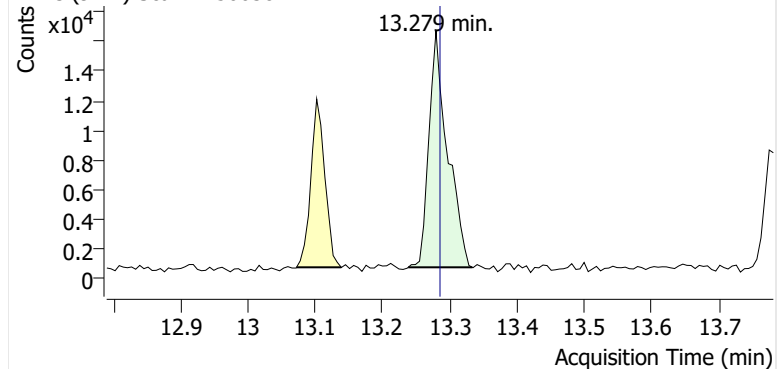
+ EIC (91.1) Scan T2500382.D



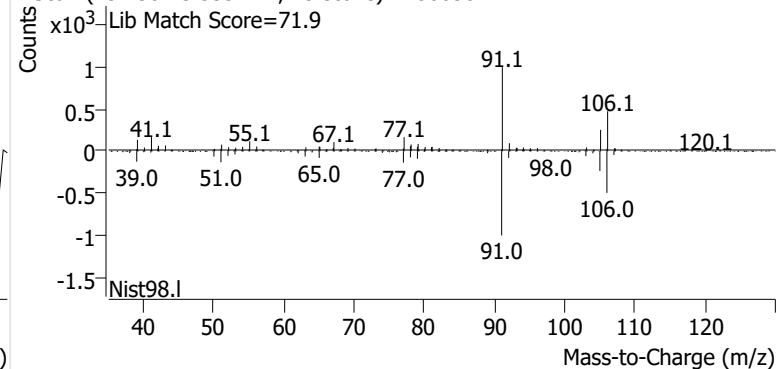
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**m-/p-Xylenes**

+ EIC (91.1) Scan T2500382.D

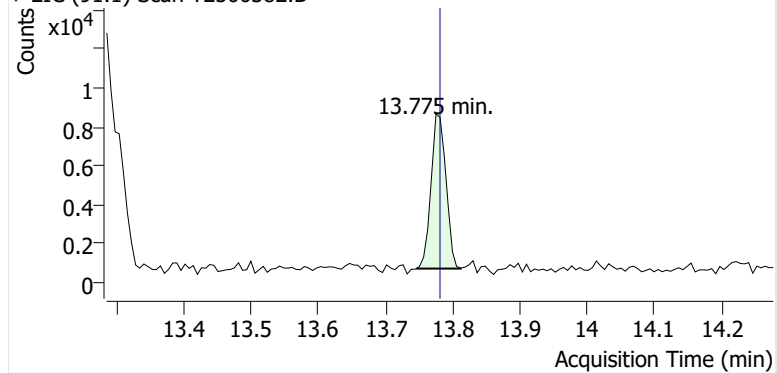


+ Scan (13.238-13.333 min, 15 scans) T2500382.D

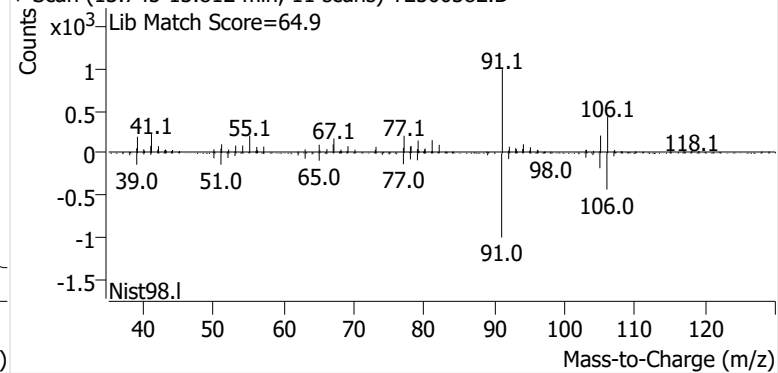


o-Xylene

+ EIC (91.1) Scan T2500382.D

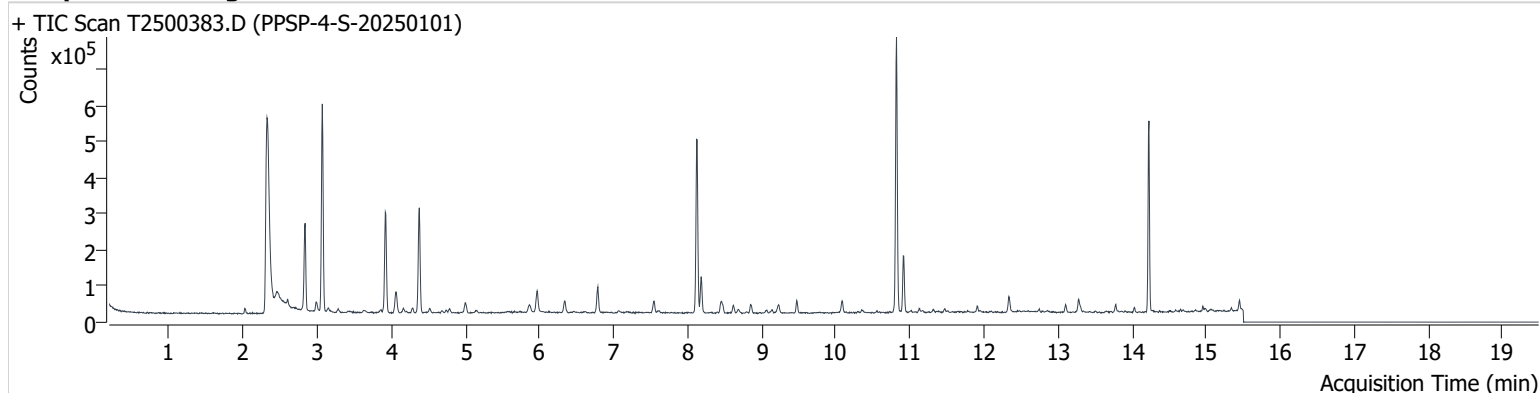


+ Scan (13.745-13.812 min, 11 scans) T2500382.D



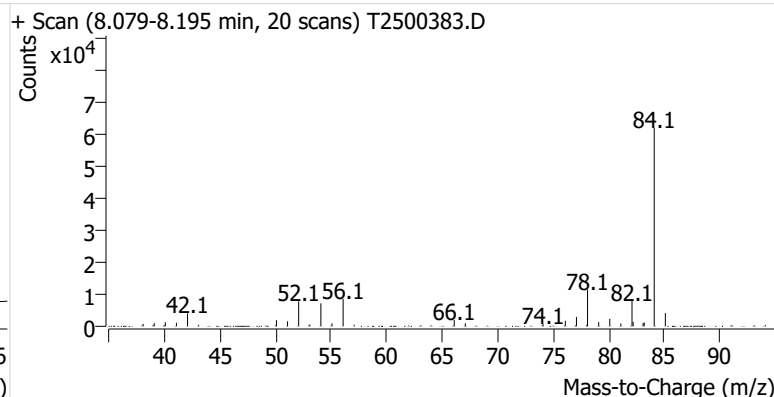
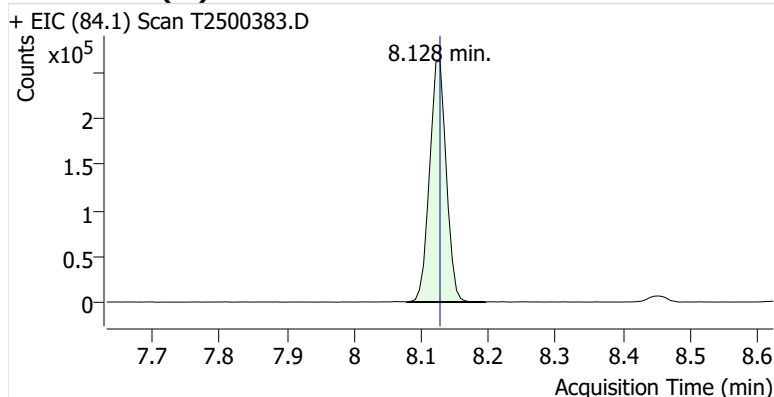
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Comment B38522
Data File T2500383.D
Acq. Date-Time 1/17/2025 2:42:33 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxypack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

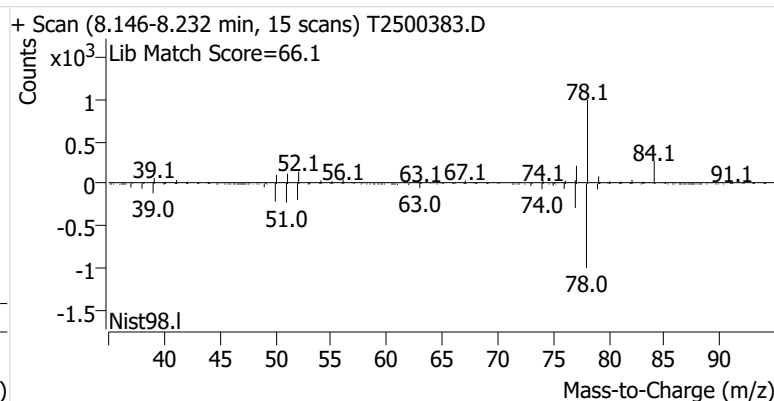
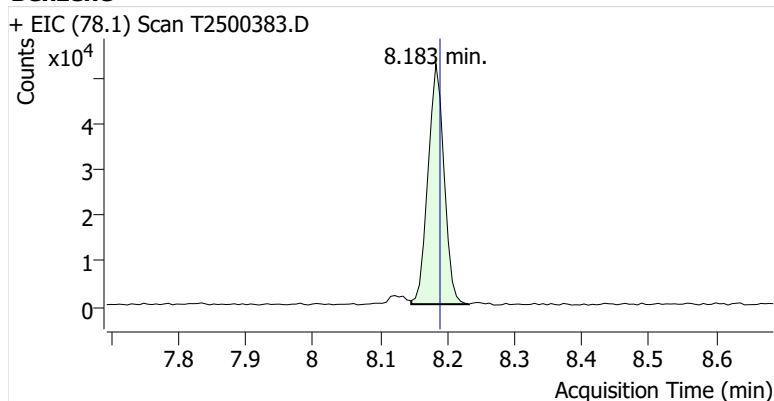


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.128	8.128	453,302	
Benzene	Benzene-d6 (IS)	8.183	8.189	86,708	
Toluene-d8 (IS)		10.820	10.820	491,681	
Toluene	Toluene-d8 (IS)	10.912	10.918	108,162	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	14,254	
m-/p-Xylenes	Toluene-d8 (IS)	13.273	13.285	26,569	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	10,609	

Benzene-d6 (IS)

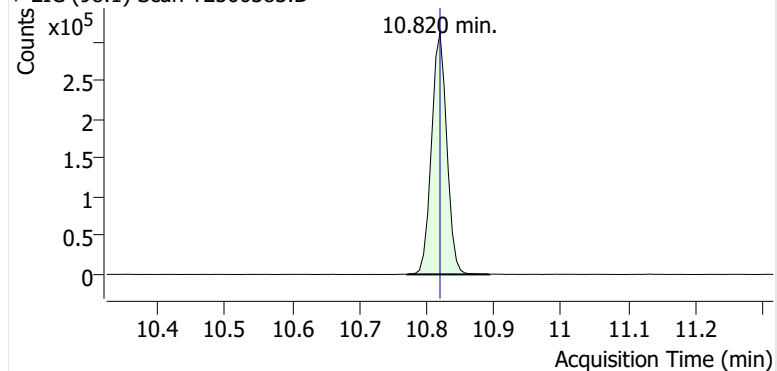


Benzene

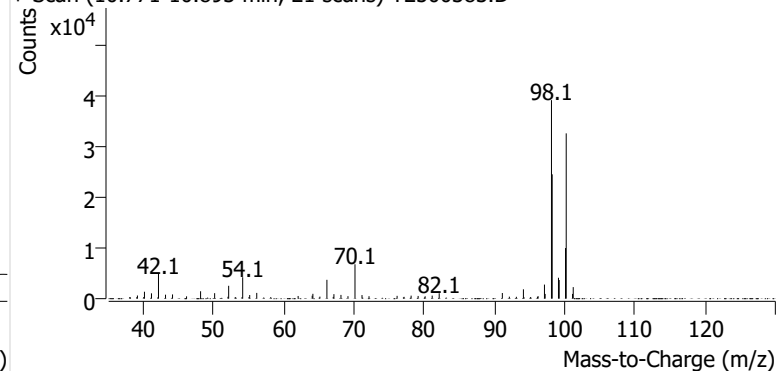


Toluene-d8 (IS)

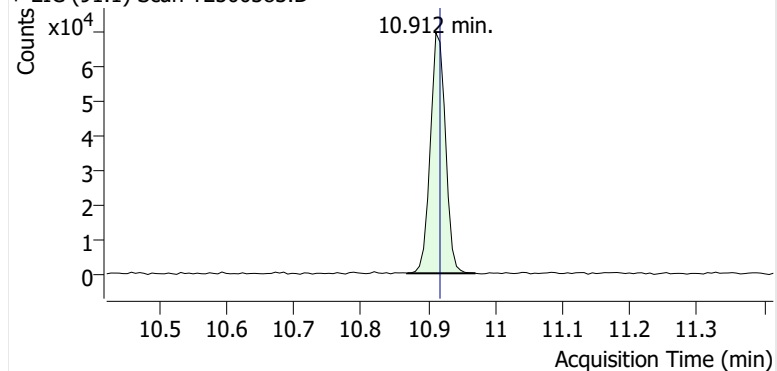
+ EIC (98.1) Scan T2500383.D



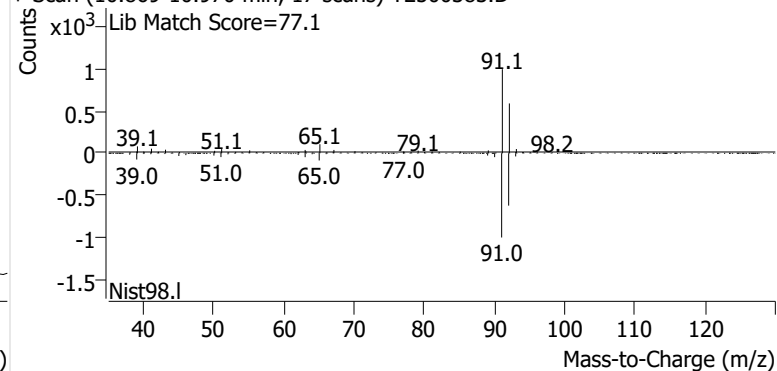
+ Scan (10.771-10.893 min, 21 scans) T2500383.D

**Toluene**

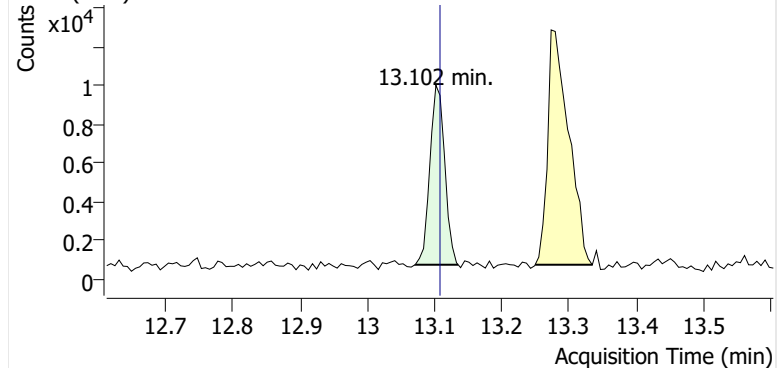
+ EIC (91.1) Scan T2500383.D



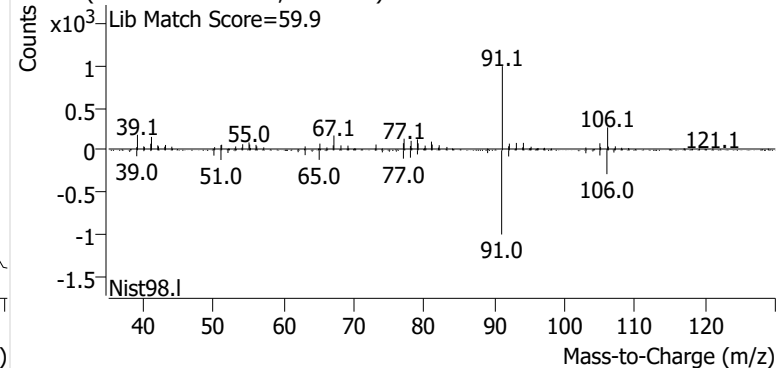
+ Scan (10.869-10.970 min, 17 scans) T2500383.D

**Ethylbenzene**

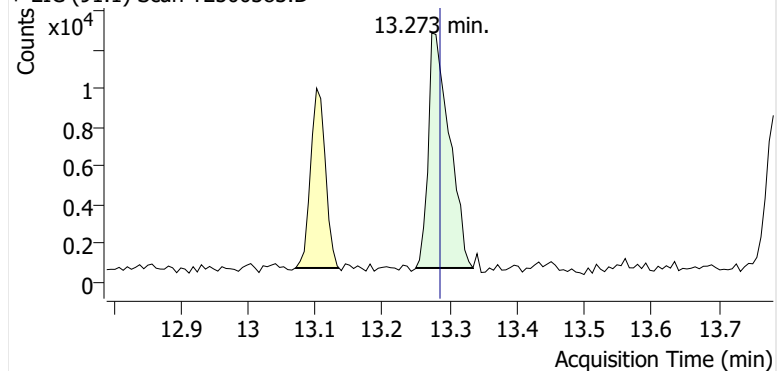
+ EIC (91.1) Scan T2500383.D



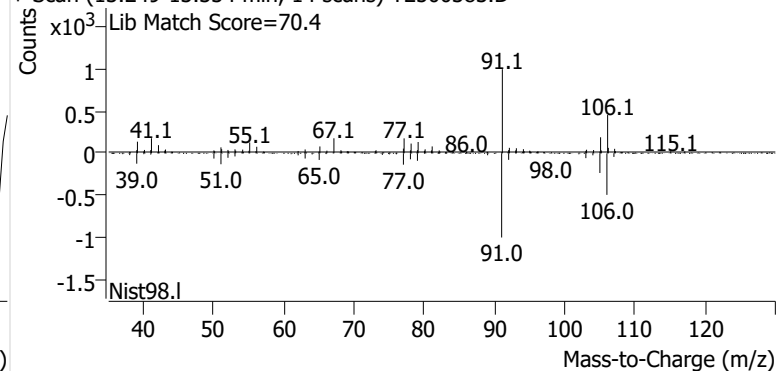
+ Scan (13.071-13.135 min, 11 scans) T2500383.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500383.D

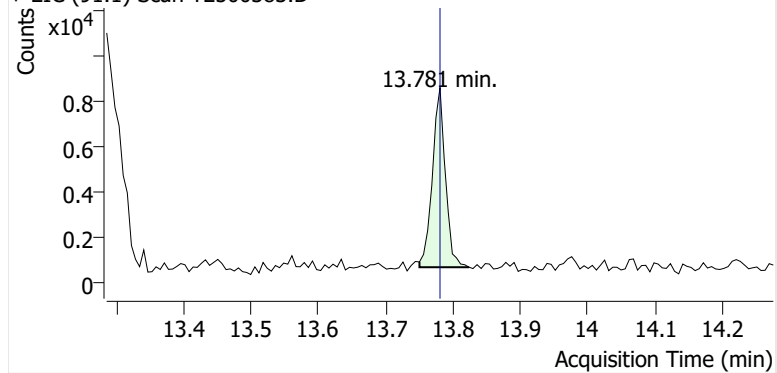


+ Scan (13.249-13.334 min, 14 scans) T2500383.D

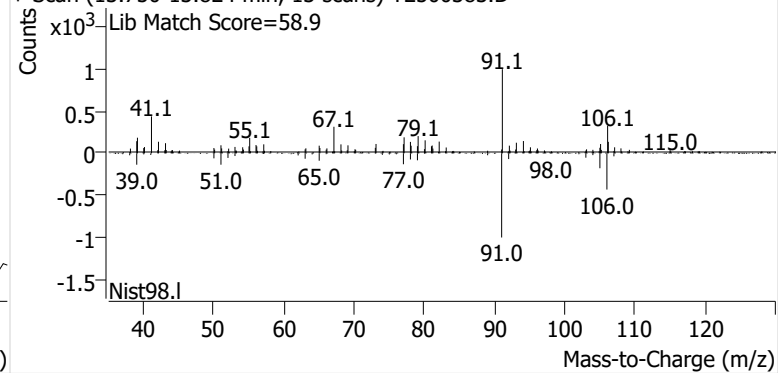


o-Xylene

+ EIC (91.1) Scan T2500383.D

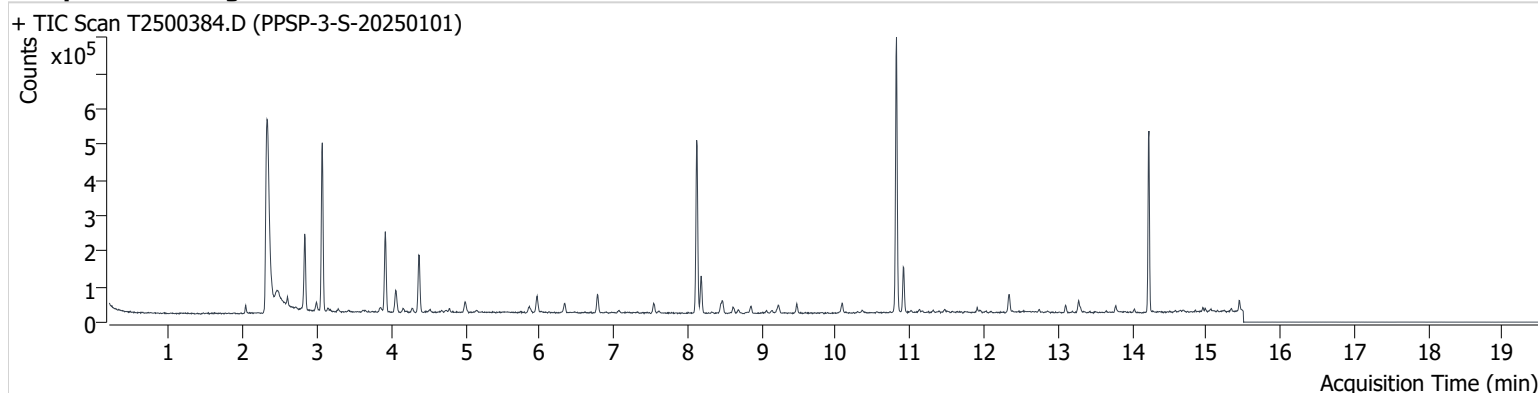


+ Scan (13.750-13.824 min, 13 scans) T2500383.D



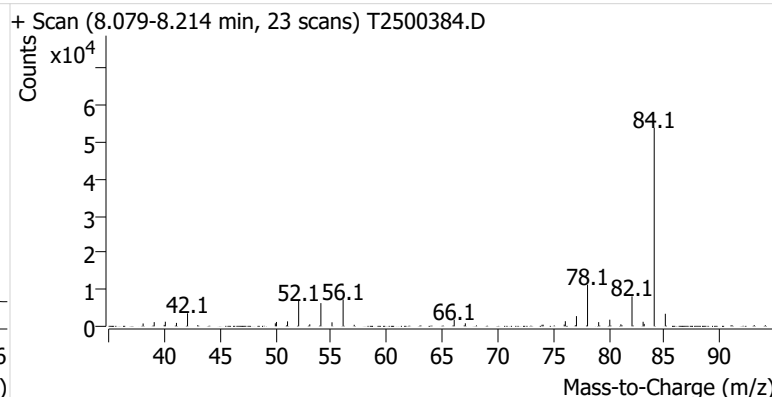
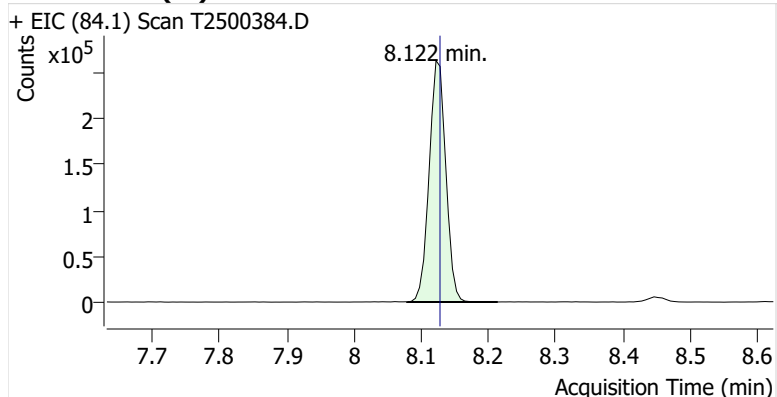
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Comment B31349
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Acq. Date-Time 1/17/2025 3:09:12 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

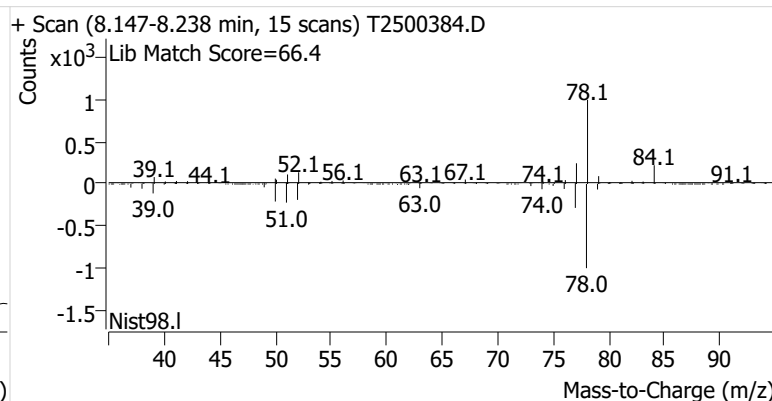
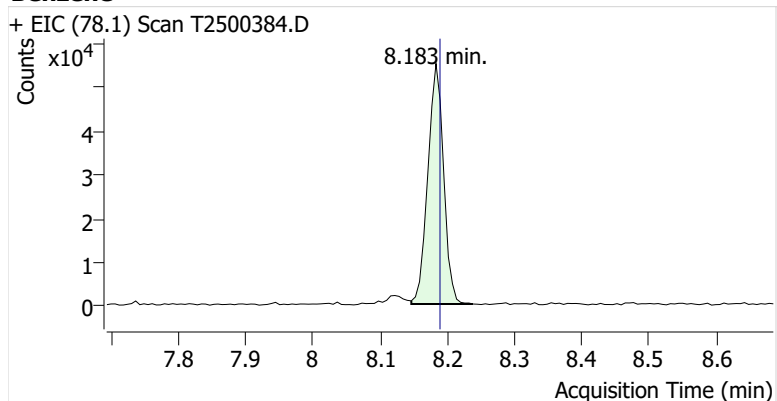


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	453,628	
Benzene	Benzene-d6 (IS)	8.183	8.189	89,135	
Toluene-d8 (IS)		10.820	10.820	490,065	
Toluene	Toluene-d8 (IS)	10.912	10.918	85,503	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	13,479	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	23,631	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	9,259	

Benzene-d6 (IS)

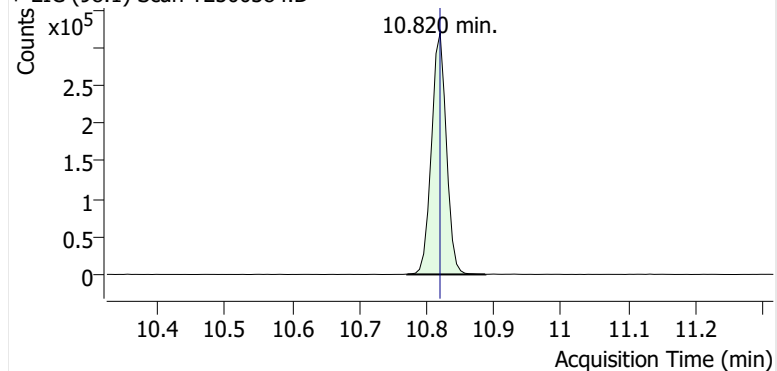


Benzene

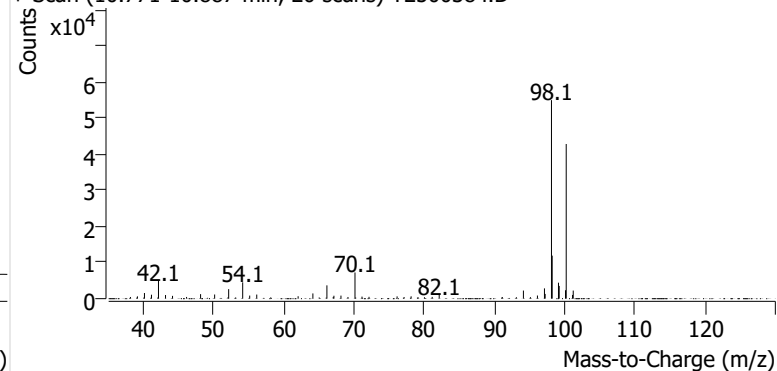


Toluene-d8 (IS)

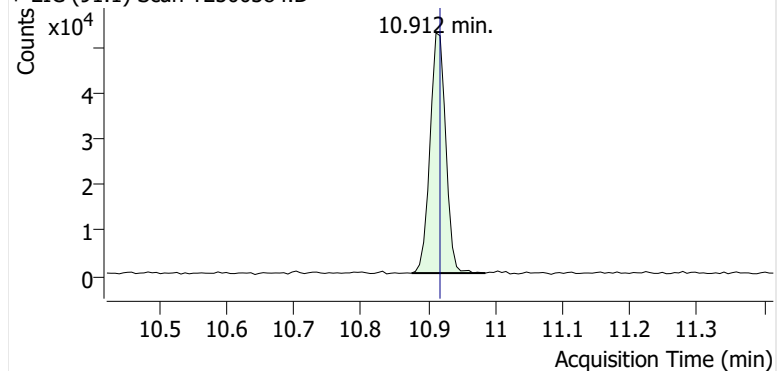
+ EIC (98.1) Scan T2500384.D



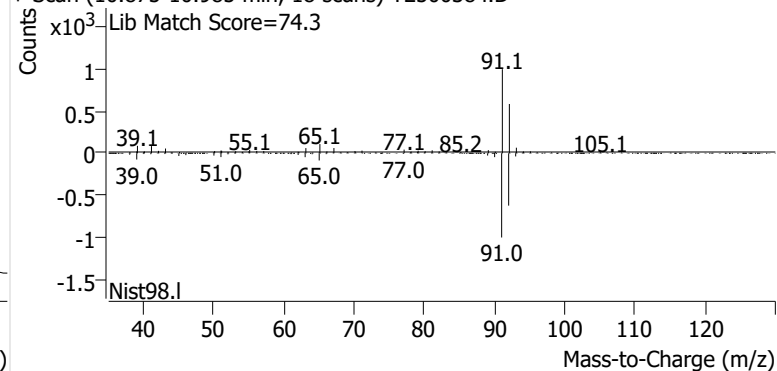
+ Scan (10.771-10.887 min, 20 scans) T2500384.D

**Toluene**

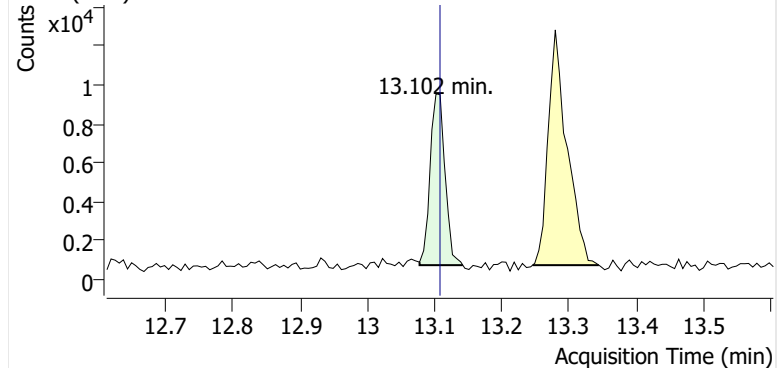
+ EIC (91.1) Scan T2500384.D



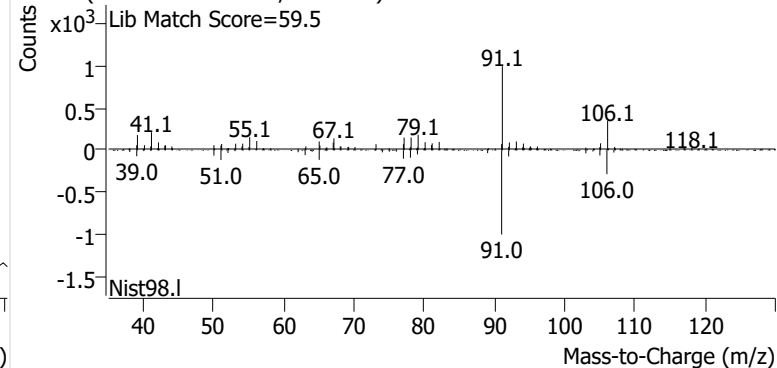
+ Scan (10.875-10.985 min, 18 scans) T2500384.D

**Ethylbenzene**

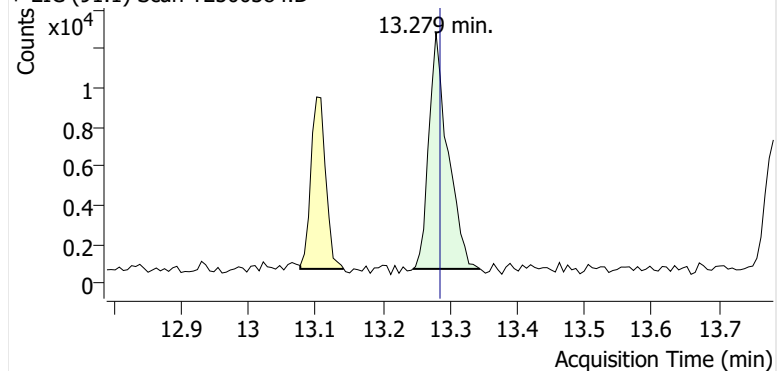
+ EIC (91.1) Scan T2500384.D



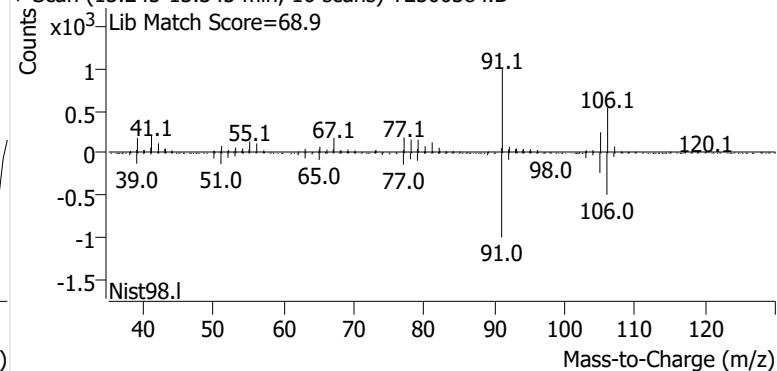
+ Scan (13.077-13.142 min, 11 scans) T2500384.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500384.D

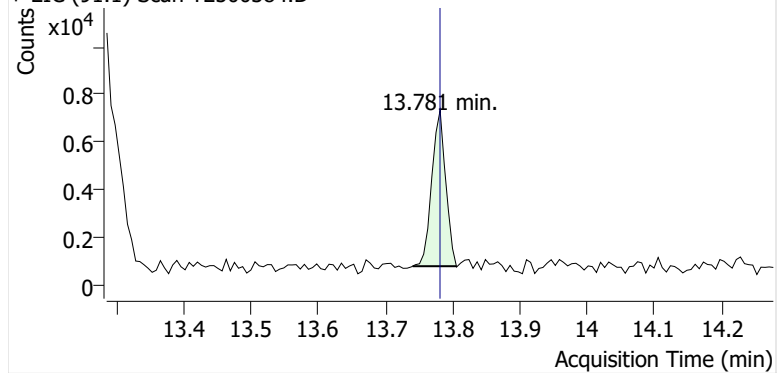


+ Scan (13.245-13.345 min, 16 scans) T2500384.D

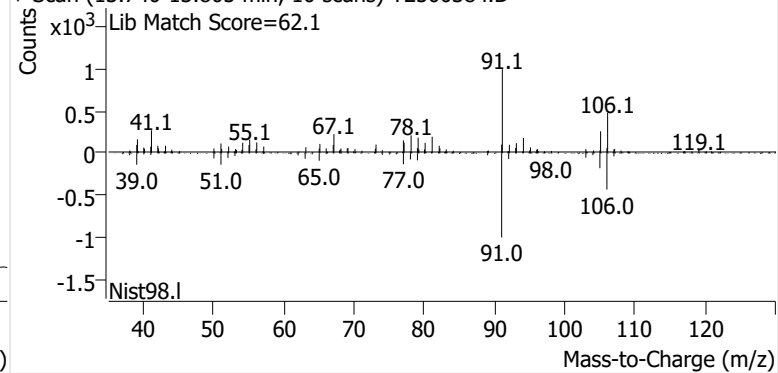


o-Xylene

+ EIC (91.1) Scan T2500384.D

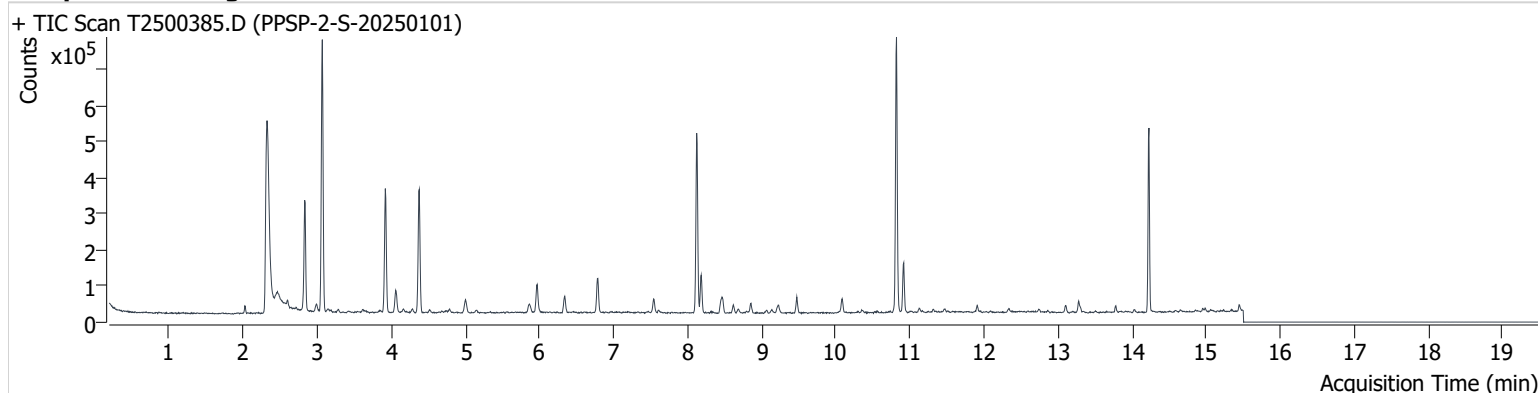


+ Scan (13.740-13.805 min, 10 scans) T2500384.D



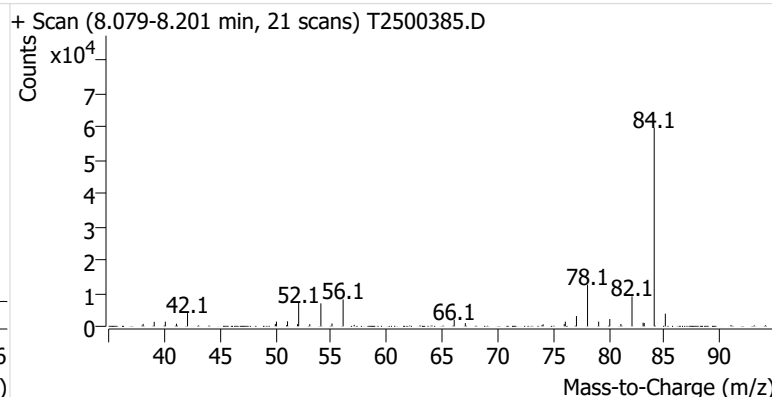
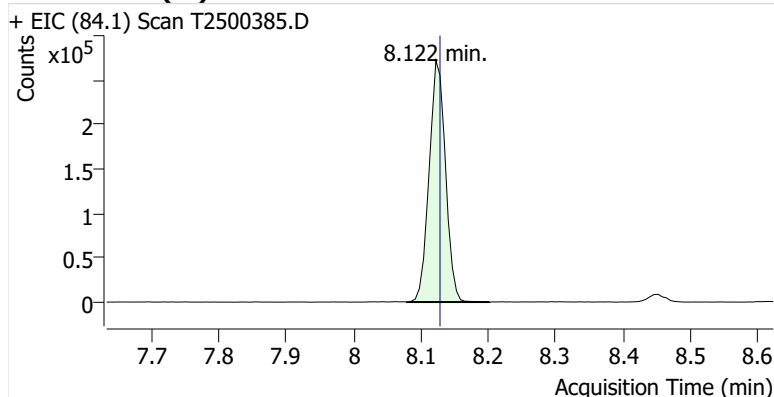
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Comment B34852
Data File T2500385.D
Acq. Date-Time 1/17/2025 3:36:00 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

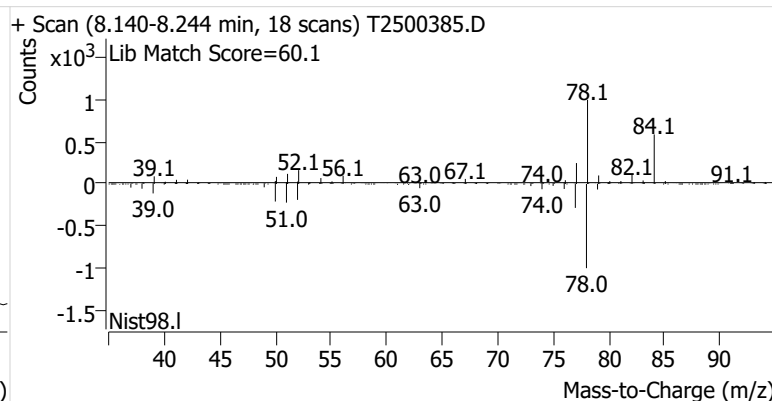
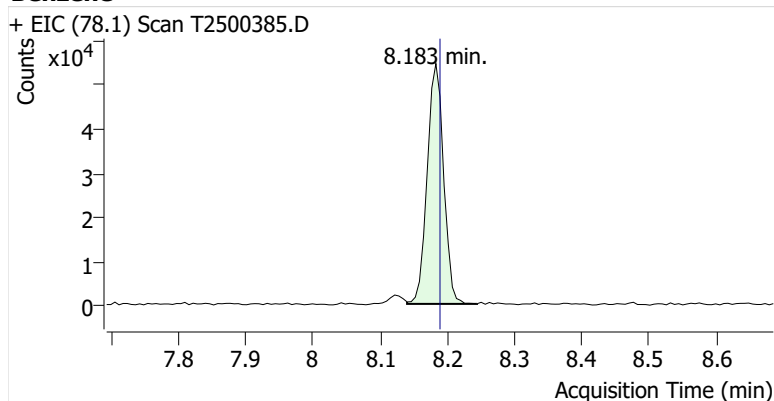


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	459,392	
Benzene	Benzene-d6 (IS)	8.183	8.189	91,935	
Toluene-d8 (IS)		10.820	10.820	493,966	
Toluene	Toluene-d8 (IS)	10.918	10.918	93,595	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	13,928	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	22,206	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	8,773	

Benzene-d6 (IS)

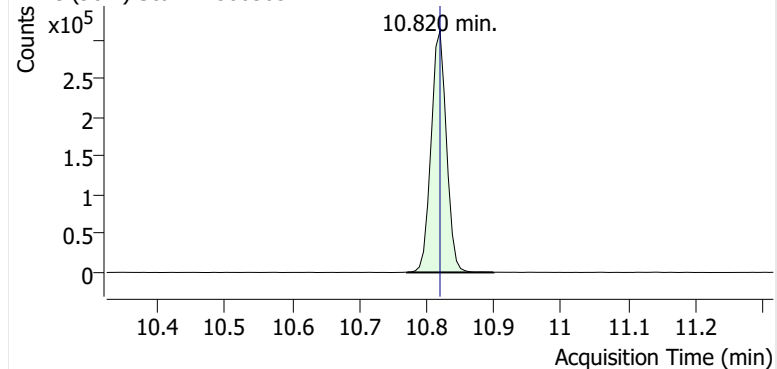


Benzene

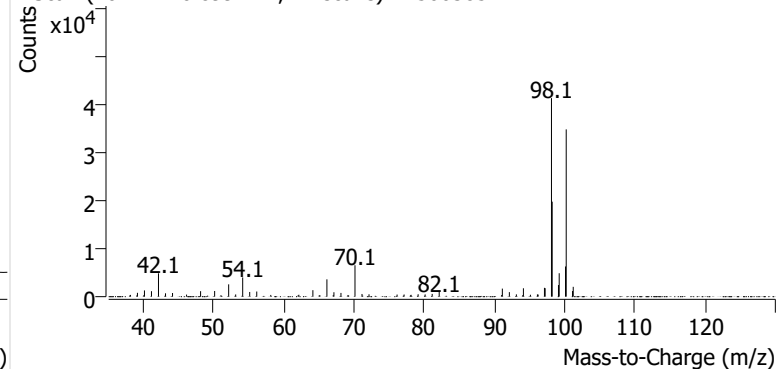


Toluene-d8 (IS)

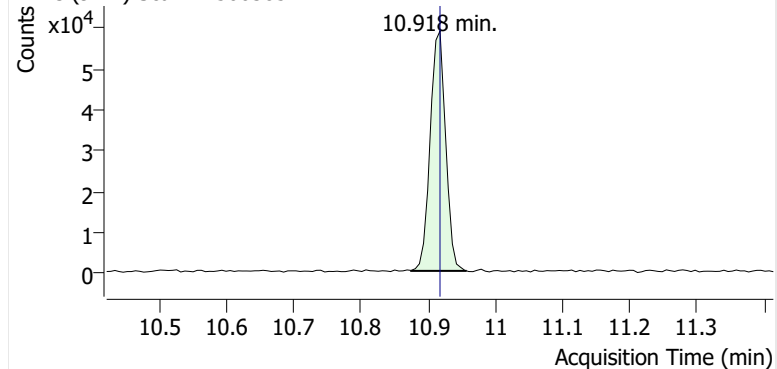
+ EIC (98.1) Scan T2500385.D



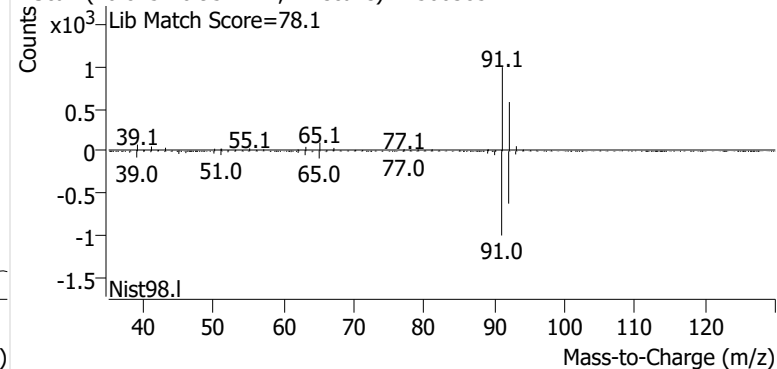
+ Scan (10.771-10.899 min, 22 scans) T2500385.D

**Toluene**

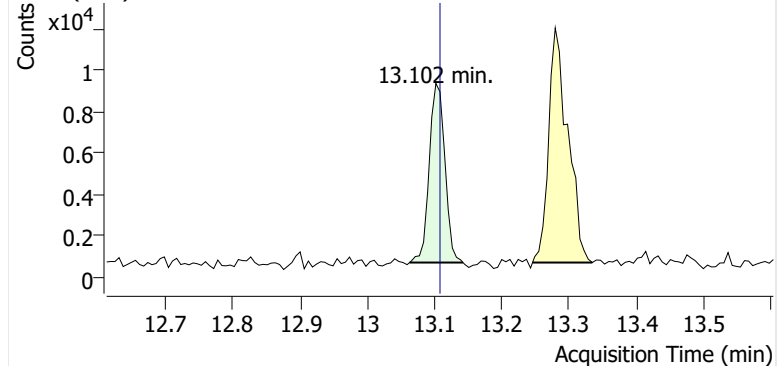
+ EIC (91.1) Scan T2500385.D



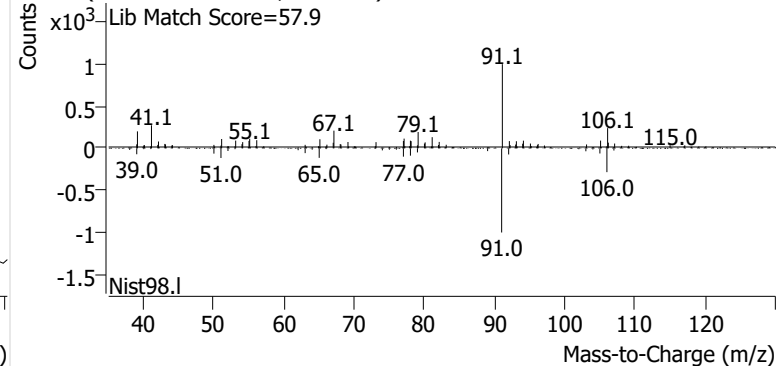
+ Scan (10.875-10.957 min, 14 scans) T2500385.D

**Ethylbenzene**

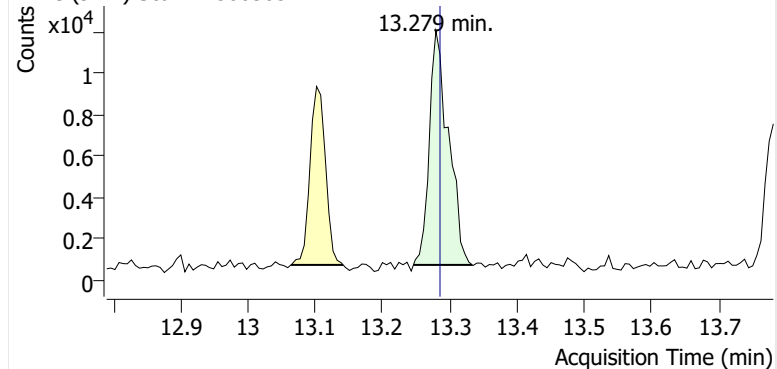
+ EIC (91.1) Scan T2500385.D



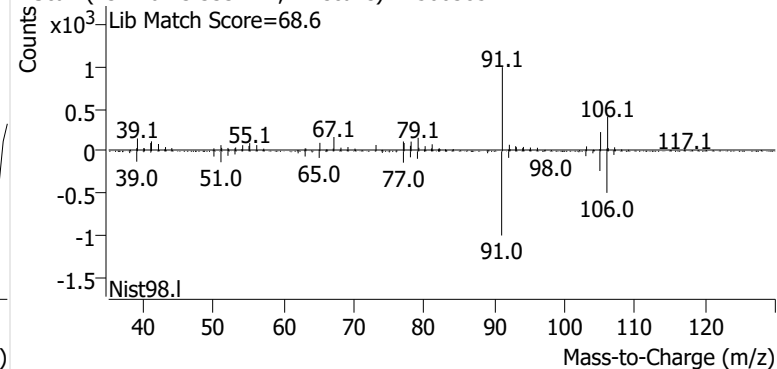
+ Scan (13.063-13.142 min, 13 scans) T2500385.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500385.D

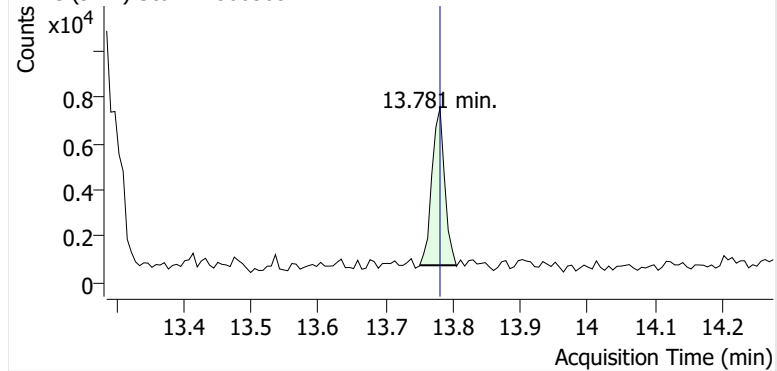


+ Scan (13.246-13.333 min, 14 scans) T2500385.D

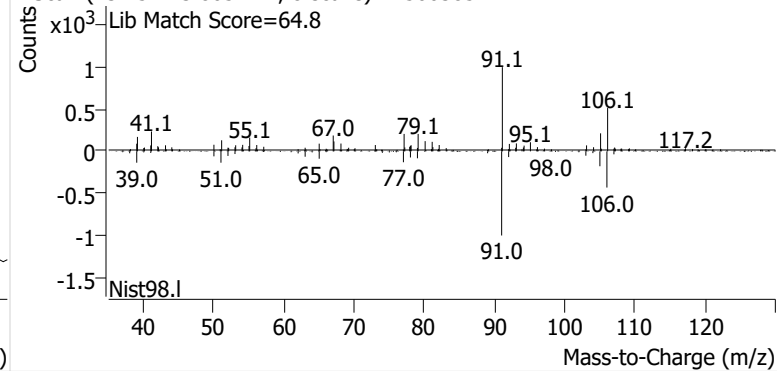


o-Xylene

+ EIC (91.1) Scan T2500385.D

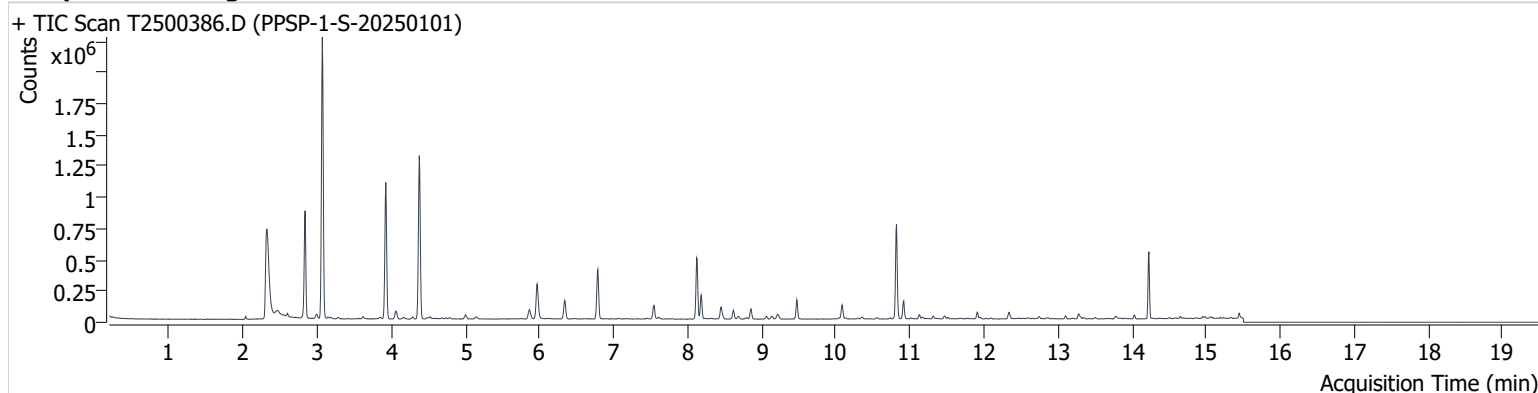


+ Scan (13.751-13.805 min, 8 scans) T2500385.D



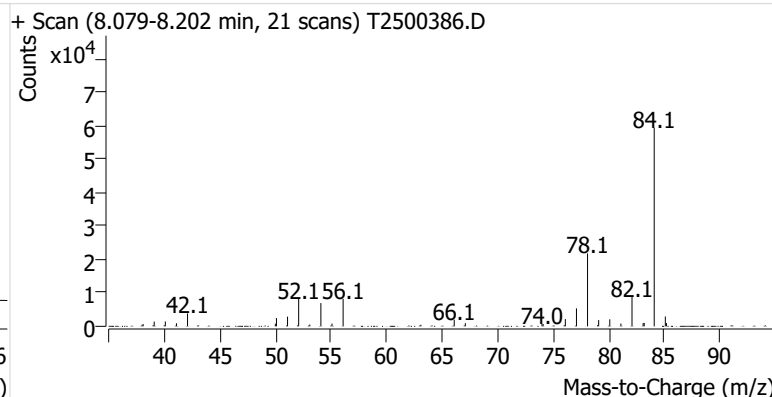
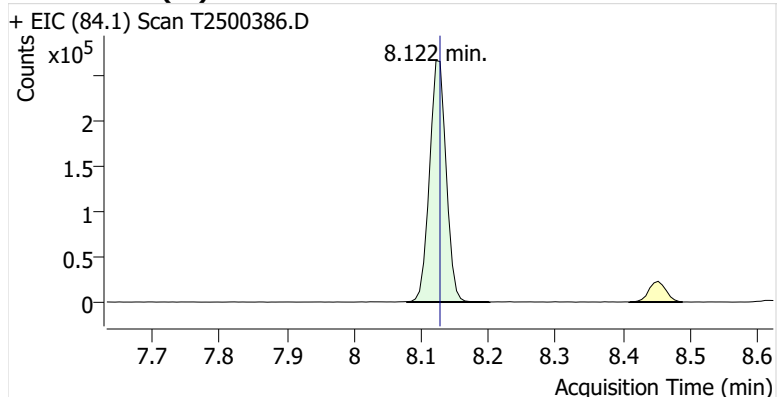
Name PPSP-1-S-20250101
Comment C35849
Data File T2500386.D
Acq. Date-Time 1/17/2025 4:02:45 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

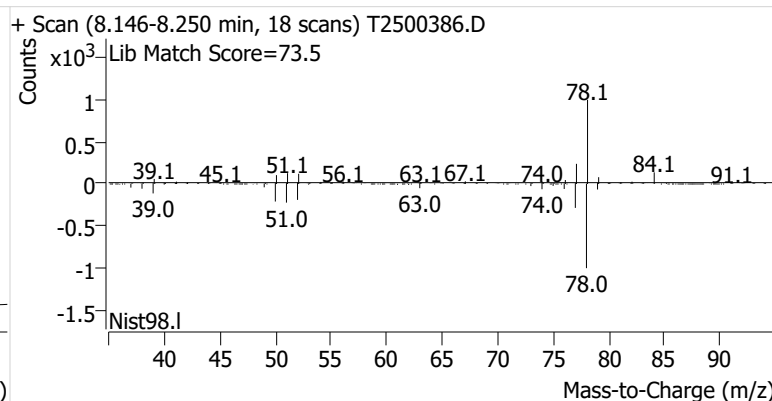
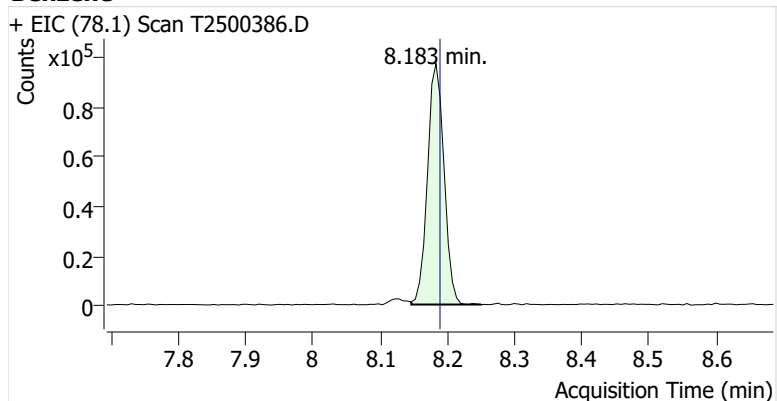


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	456,870	
Benzene	Benzene-d6 (IS)	8.183	8.189	165,370	
Toluene-d8 (IS)		10.820	10.820	490,072	
Toluene	Toluene-d8 (IS)	10.918	10.918	98,218	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	14,207	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	28,922	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	11,905	

Benzene-d6 (IS)

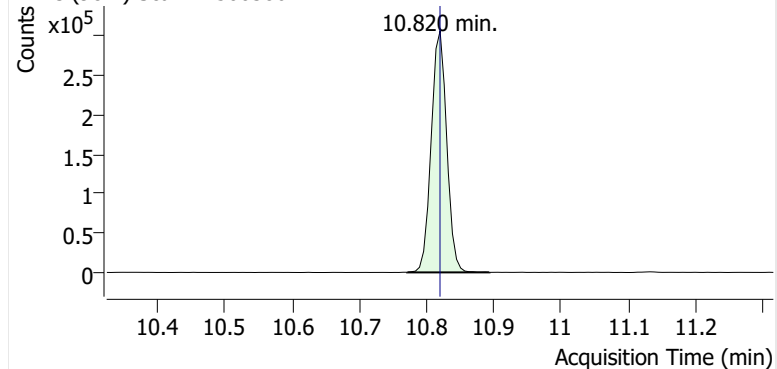


Benzene

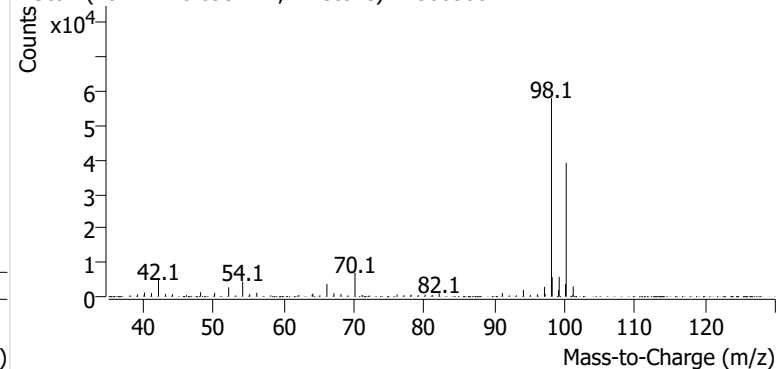


Toluene-d8 (IS)

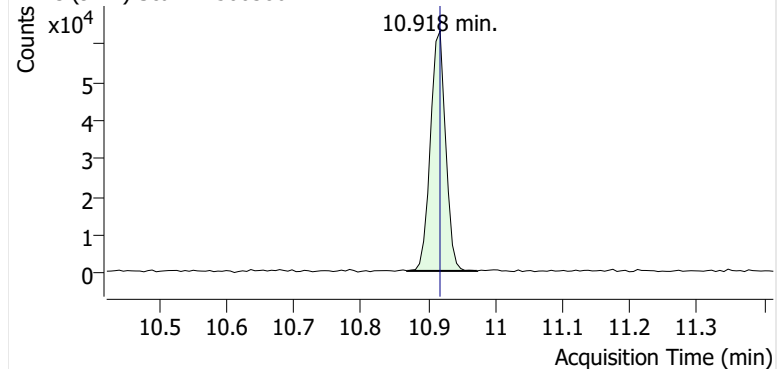
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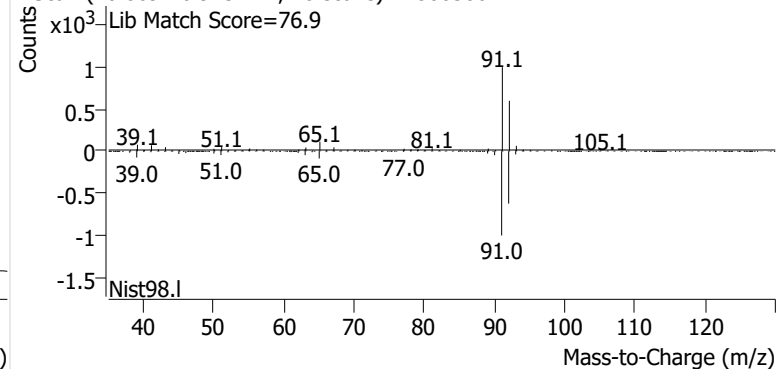
+ Scan (10.771-10.893 min, 21 scans) T2500386.D

**Toluene**

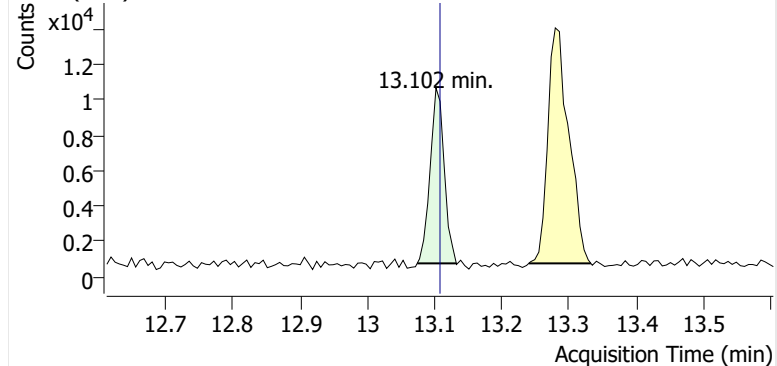
+ EIC (91.1) Scan T2500386.D



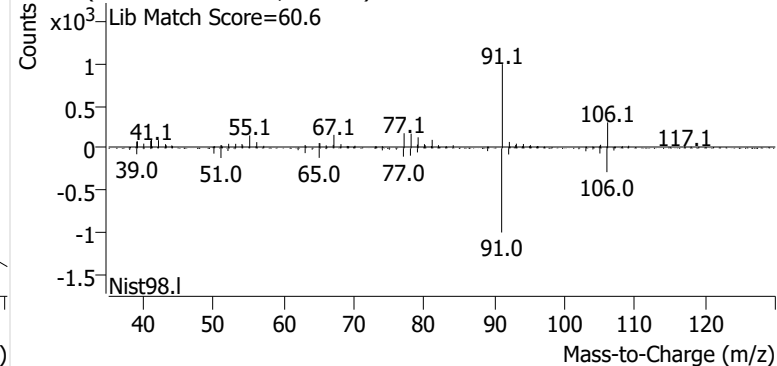
+ Scan (10.869-10.973 min, 18 scans) T2500386.D

**Ethylbenzene**

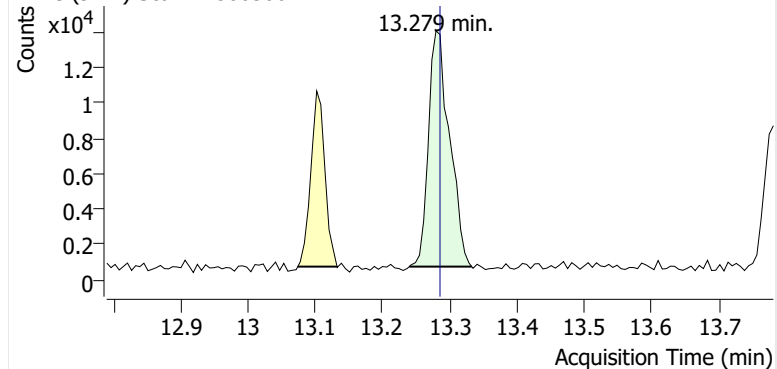
+ EIC (91.1) Scan T2500386.D



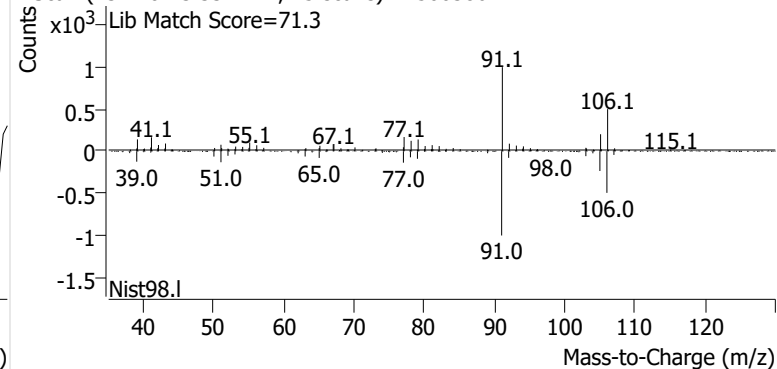
+ Scan (13.074-13.132 min, 9 scans) T2500386.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500386.D

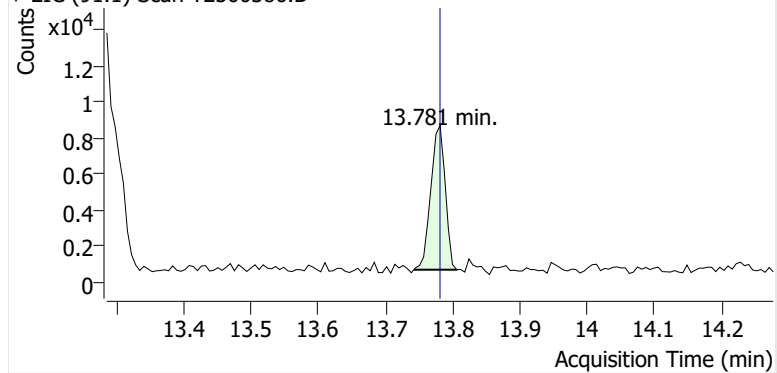


+ Scan (13.240-13.332 min, 15 scans) T2500386.D

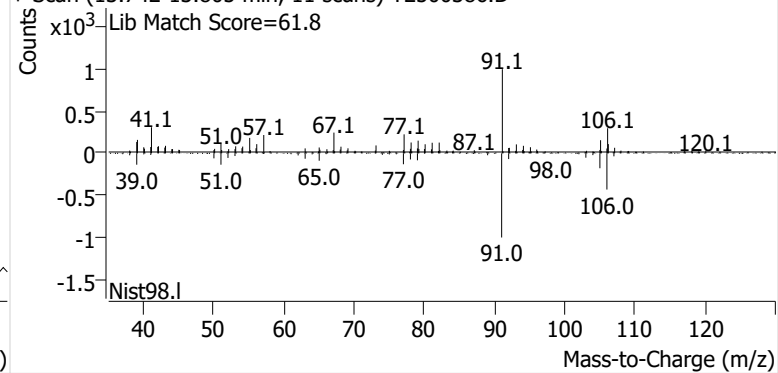


o-Xylene

+ EIC (91.1) Scan T2500386.D

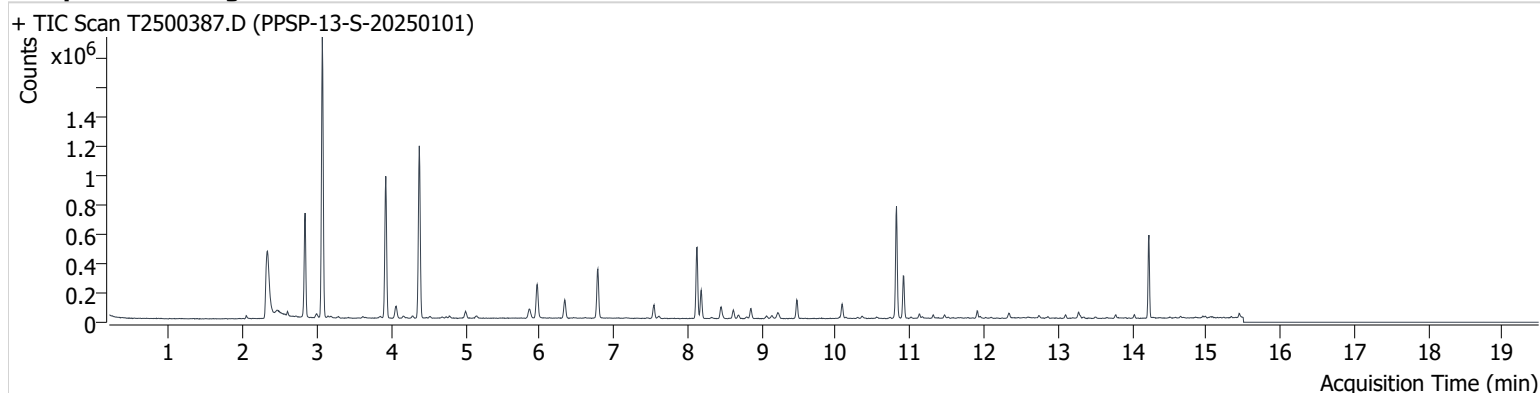


+ Scan (13.742-13.805 min, 11 scans) T2500386.D



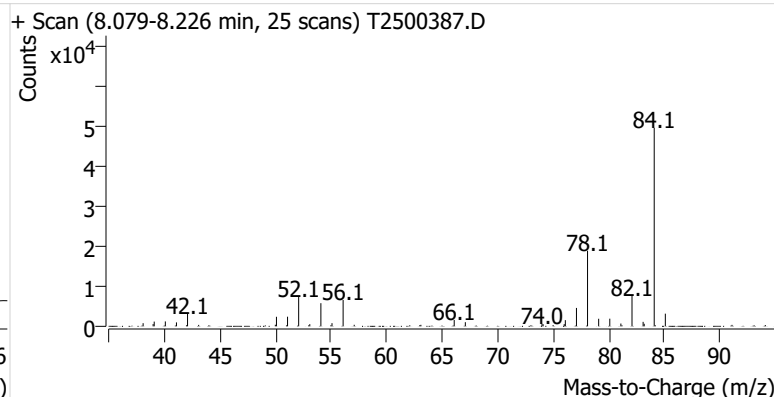
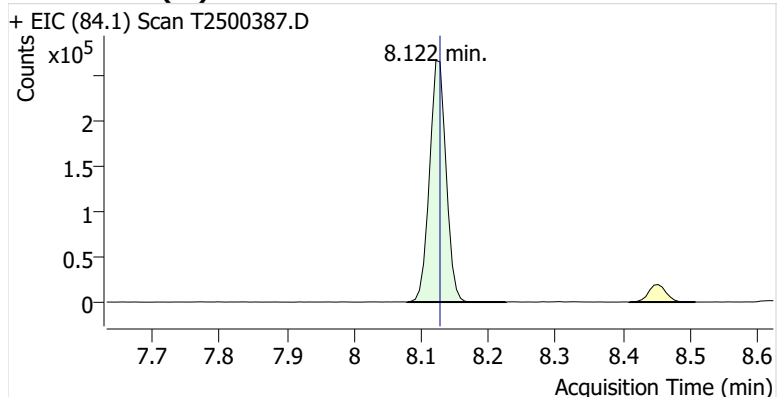
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Comment B48672
Data File T2500387.D
Acq. Date-Time 1/17/2025 4:29:33 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

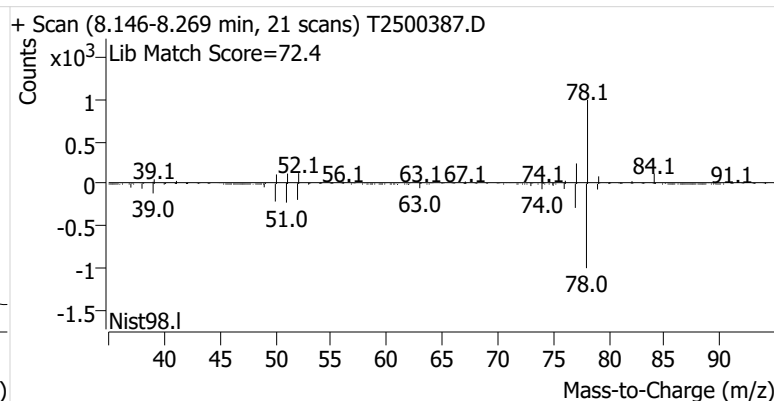
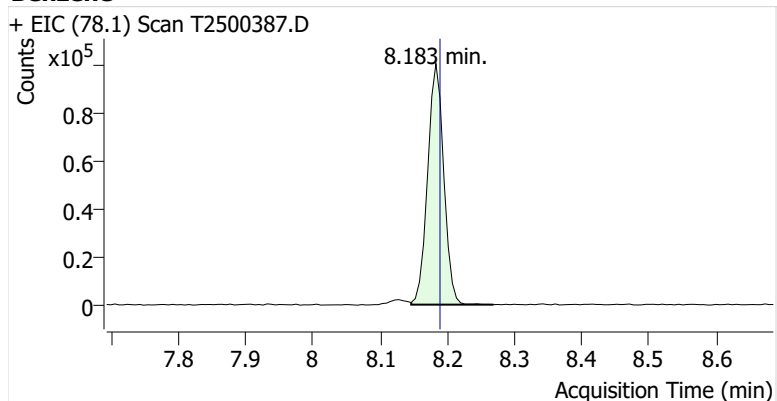


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	456,692	
Benzene	Benzene-d6 (IS)	8.183	8.189	166,699	
Toluene-d8 (IS)		10.820	10.820	493,338	
Toluene	Toluene-d8 (IS)	10.918	10.918	206,497	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	15,434	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	30,696	
o-Xylene	Toluene-d8 (IS)	13.775	13.781	12,396	

Benzene-d6 (IS)

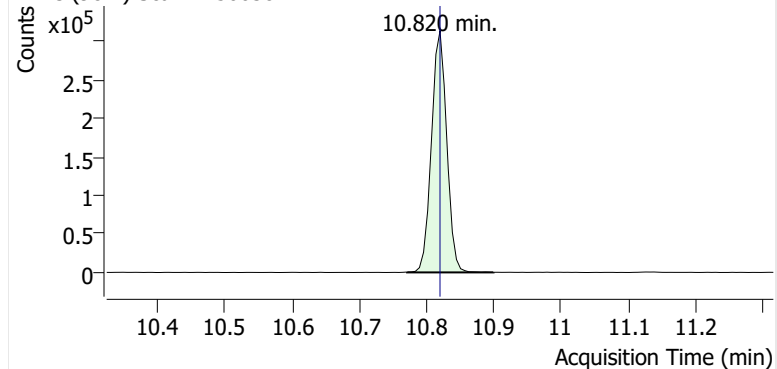


Benzene

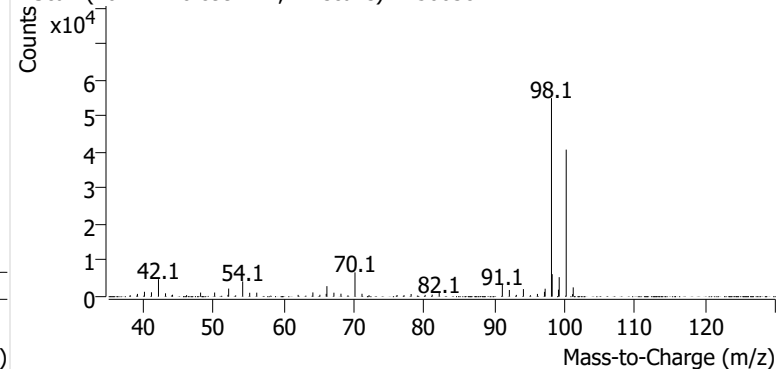


Toluene-d8 (IS)

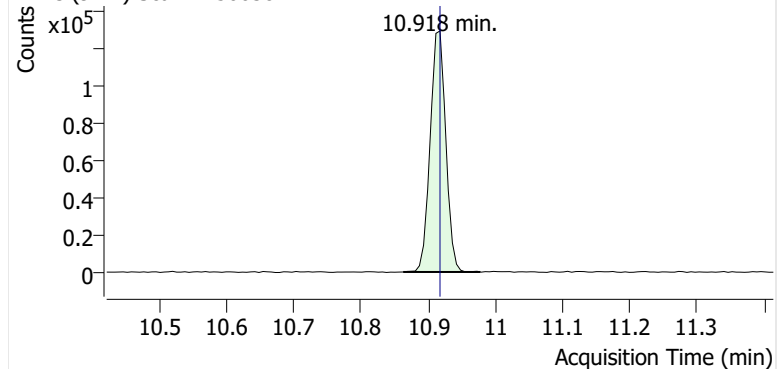
+ EIC (98.1) Scan T2500387.D



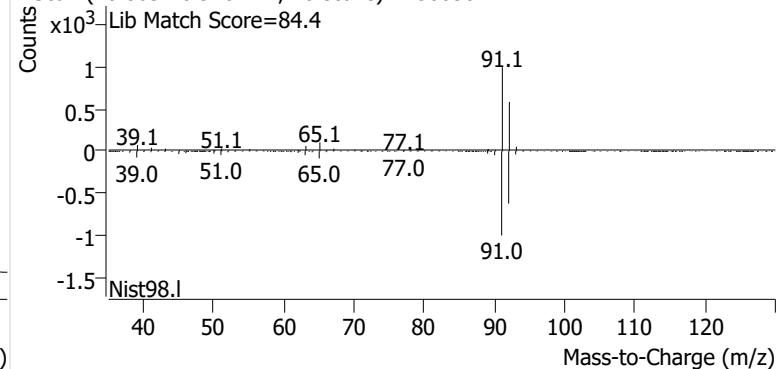
+ Scan (10.771-10.899 min, 22 scans) T2500387.D

**Toluene**

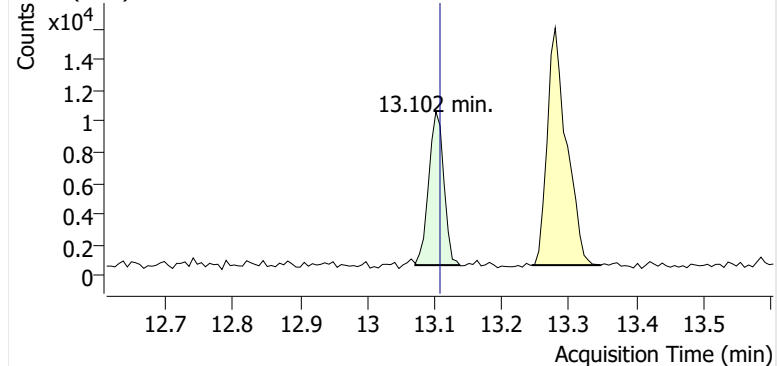
+ EIC (91.1) Scan T2500387.D



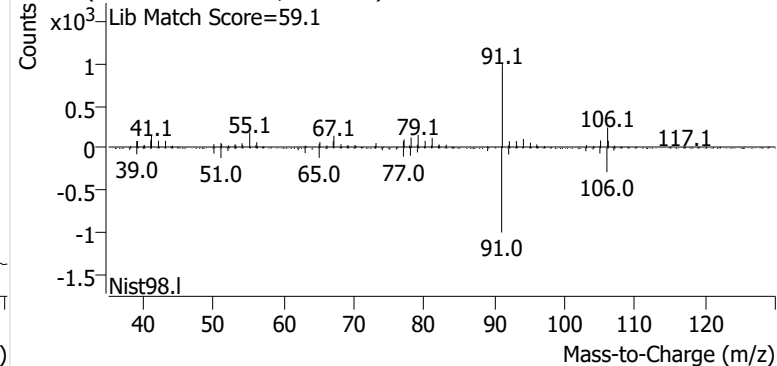
+ Scan (10.863-10.978 min, 18 scans) T2500387.D

**Ethylbenzene**

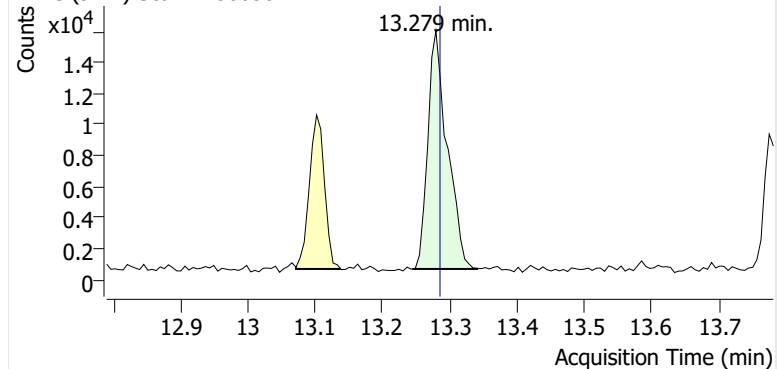
+ EIC (91.1) Scan T2500387.D



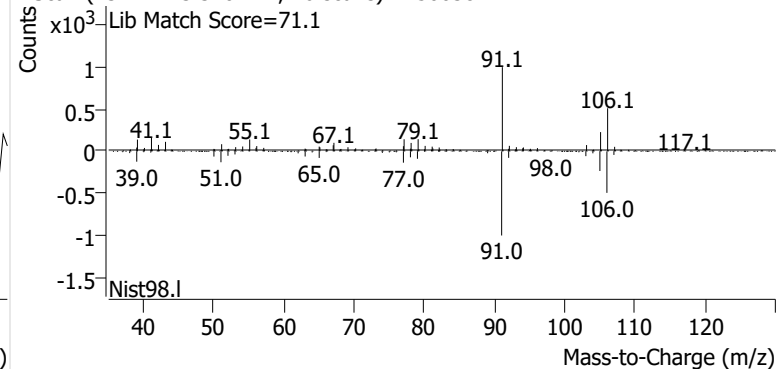
+ Scan (13.071-13.138 min, 11 scans) T2500387.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500387.D

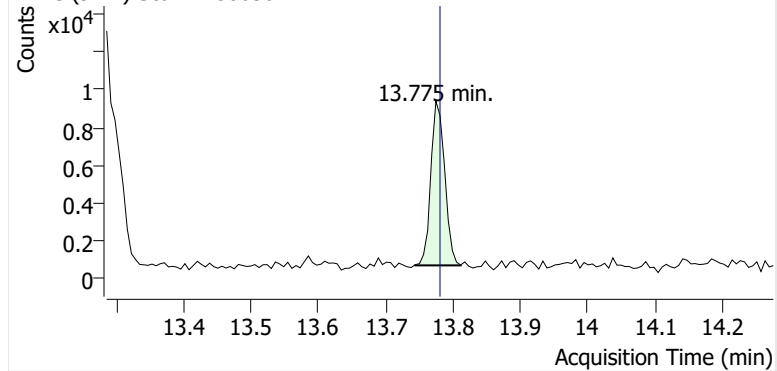


+ Scan (13.244-13.340 min, 16 scans) T2500387.D

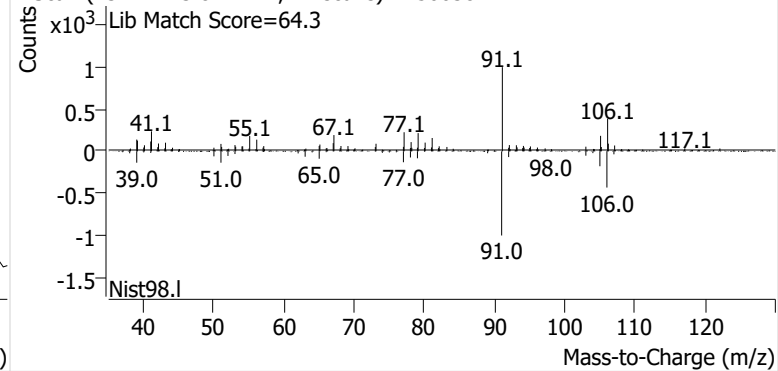


o-Xylene

+ EIC (91.1) Scan T2500387.D

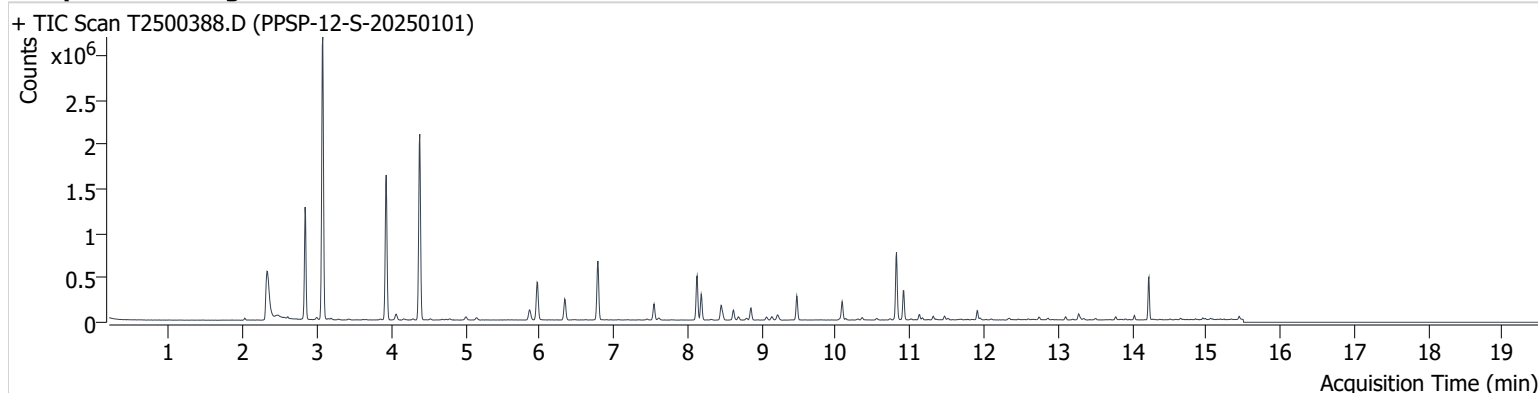


+ Scan (13.744-13.811 min, 12 scans) T2500387.D



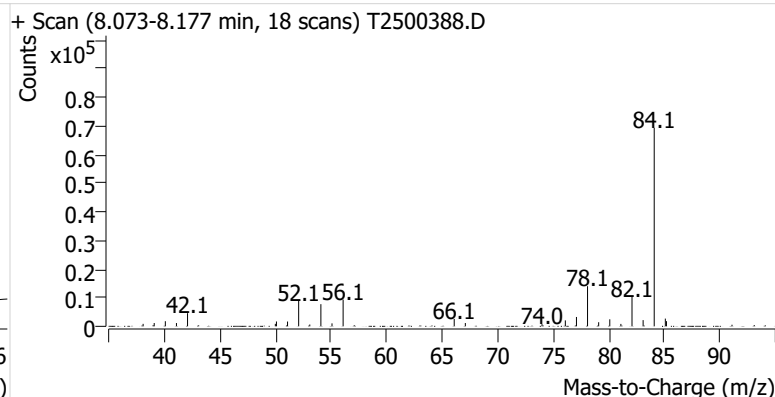
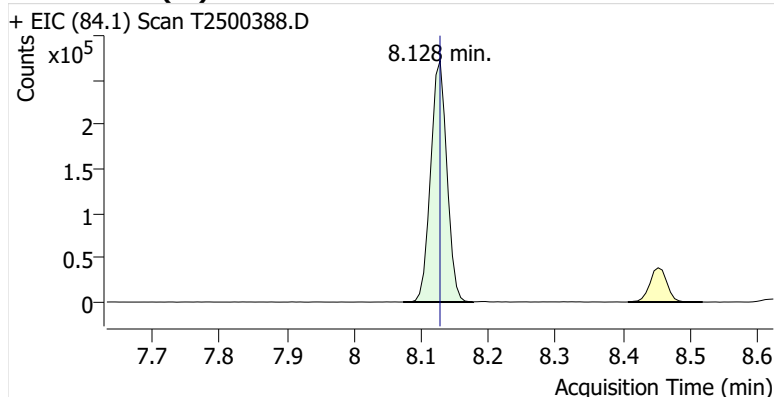
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Comment B37414
Data File T2500388.D
Acq. Date-Time 1/17/2025 4:56:30 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

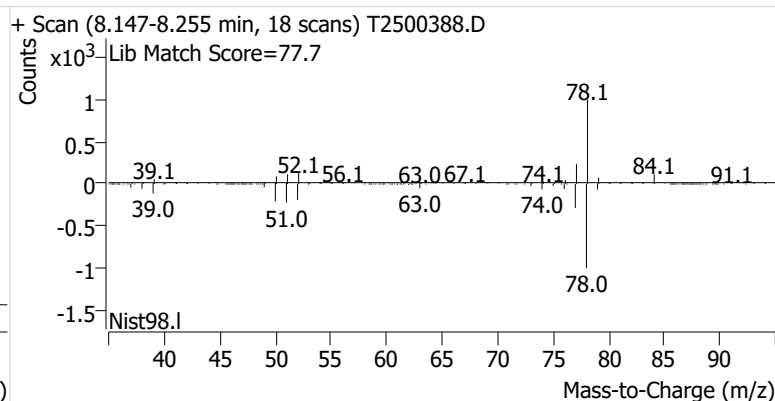
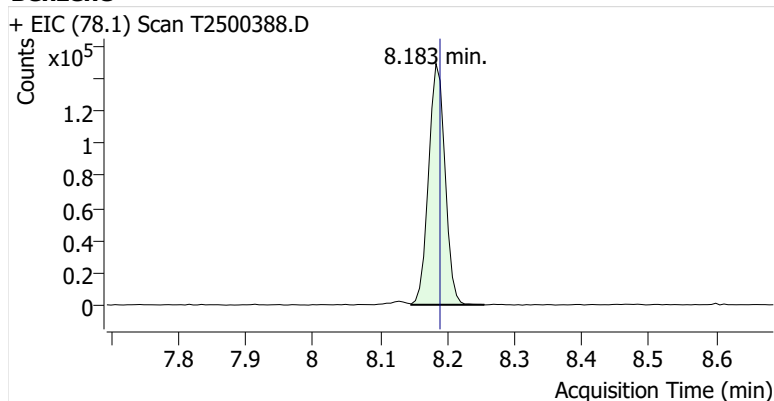


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.128	8.128	456,621	
Benzene	Benzene-d6 (IS)	8.183	8.189	251,638	
Toluene-d8 (IS)		10.820	10.820	495,469	
Toluene	Toluene-d8 (IS)	10.912	10.918	232,853	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	22,425	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	46,064	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	18,518	

Benzene-d6 (IS)

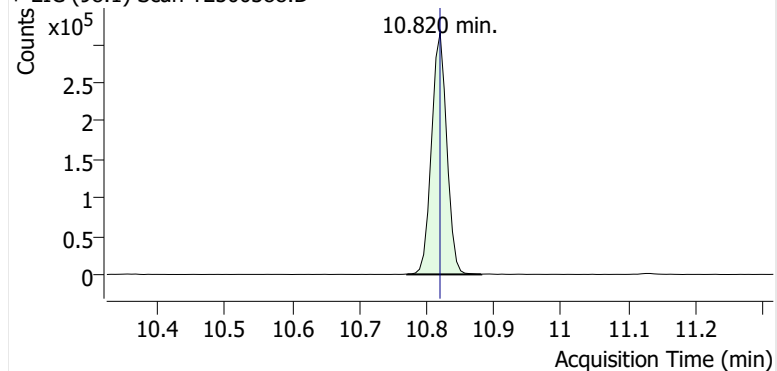


Benzene

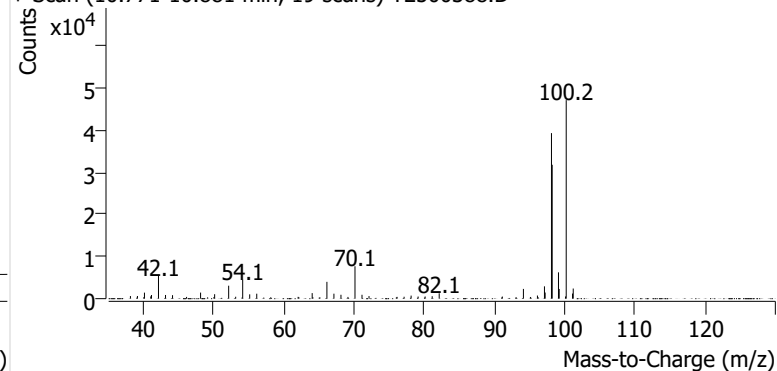


Toluene-d8 (IS)

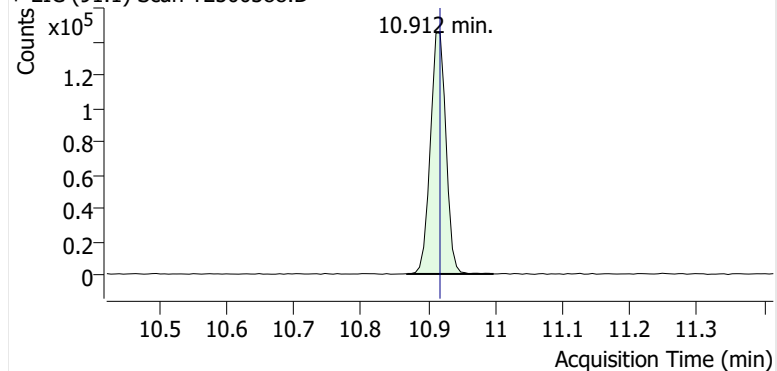
+ EIC (98.1) Scan T2500388.D



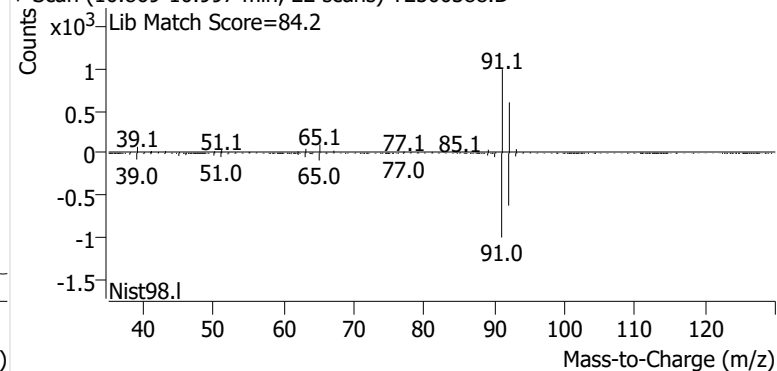
+ Scan (10.771-10.881 min, 19 scans) T2500388.D

**Toluene**

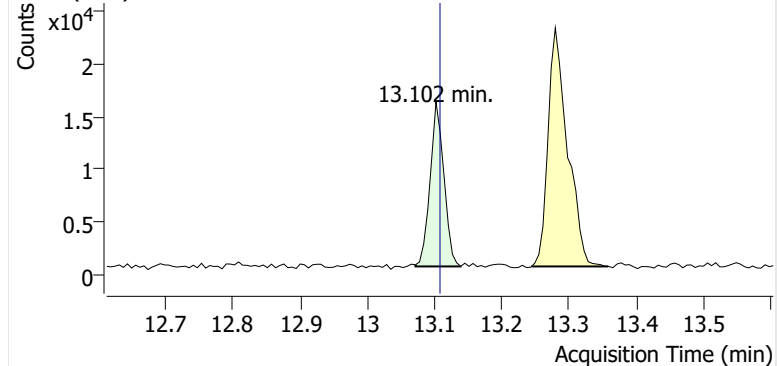
+ EIC (91.1) Scan T2500388.D



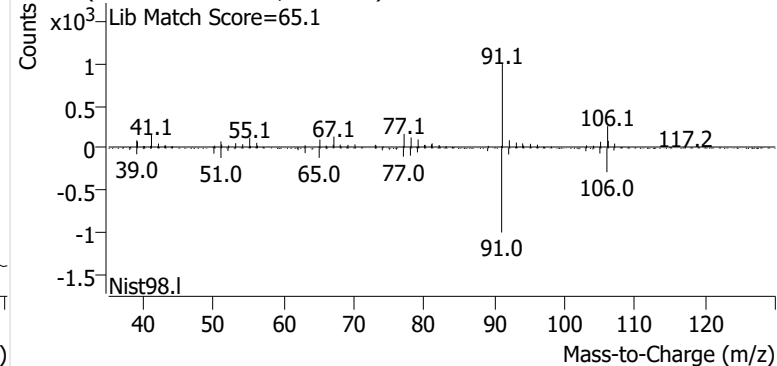
+ Scan (10.869-10.997 min, 22 scans) T2500388.D

**Ethylbenzene**

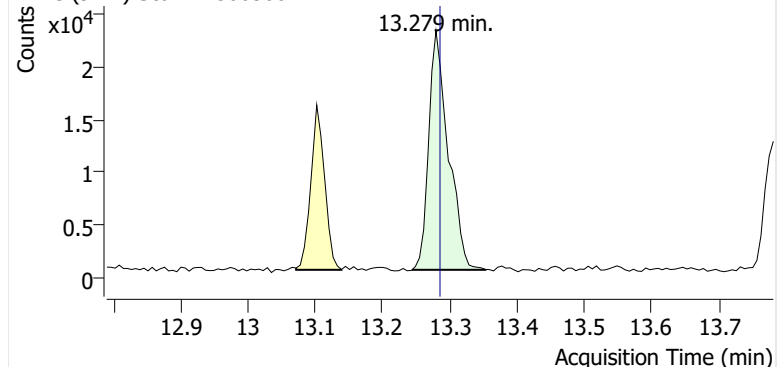
+ EIC (91.1) Scan T2500388.D



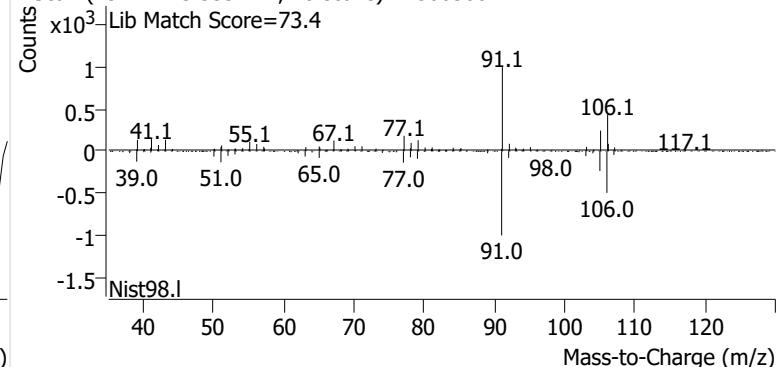
+ Scan (13.071-13.139 min, 12 scans) T2500388.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500388.D

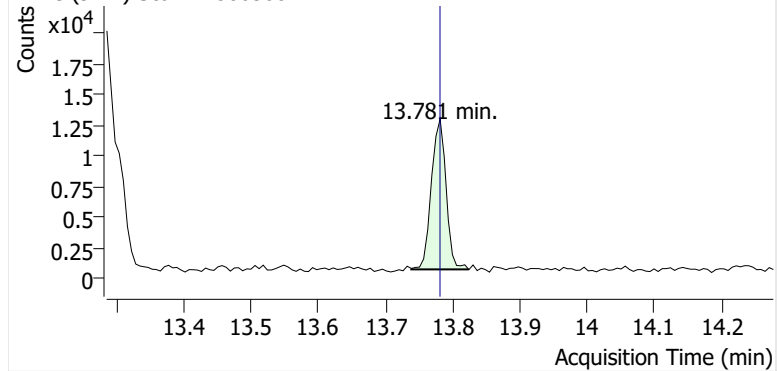


+ Scan (13.244-13.353 min, 18 scans) T2500388.D

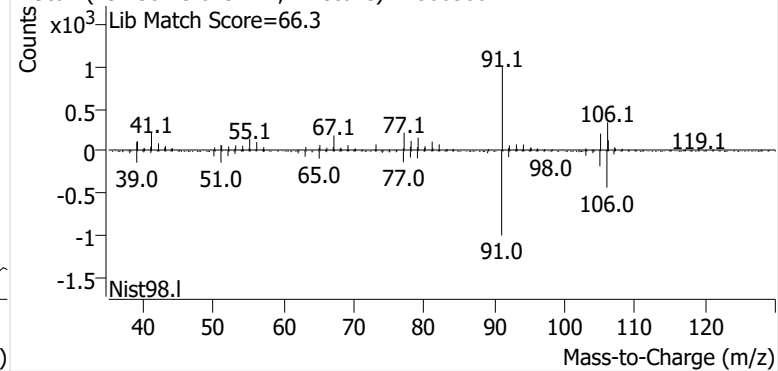


o-Xylene

+ EIC (91.1) Scan T2500388.D

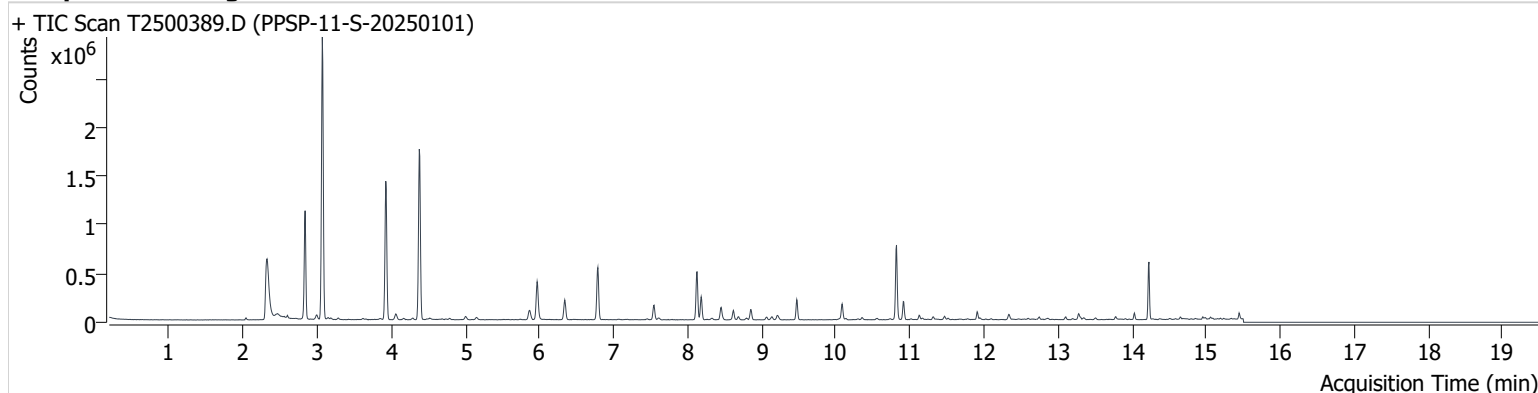


+ Scan (13.738-13.823 min, 14 scans) T2500388.D



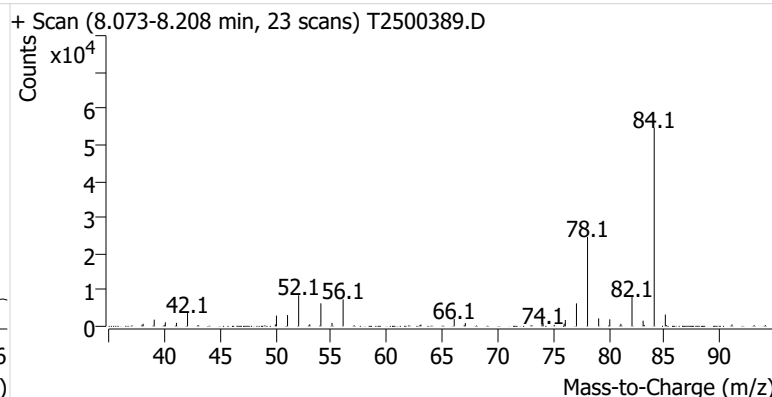
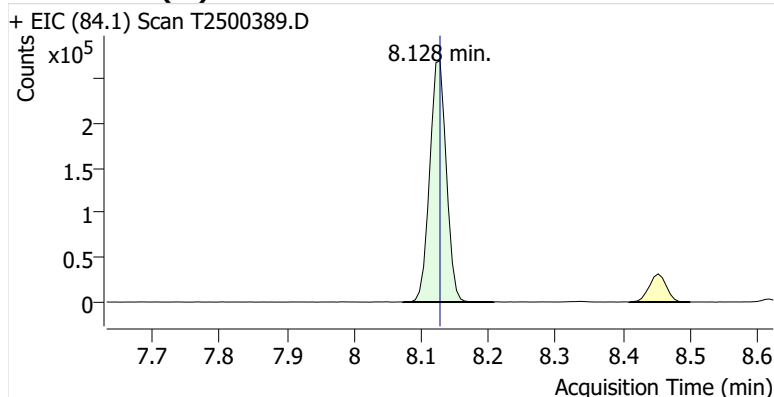
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Comment C43607
Data File T2500389.D
Acq. Date-Time 1/17/2025 5:23:22 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

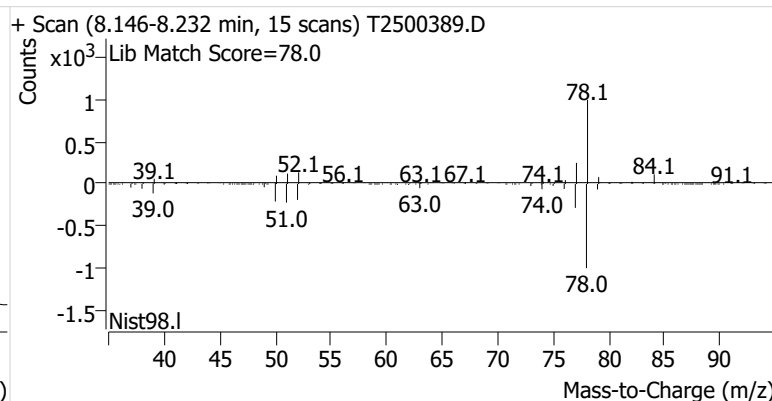
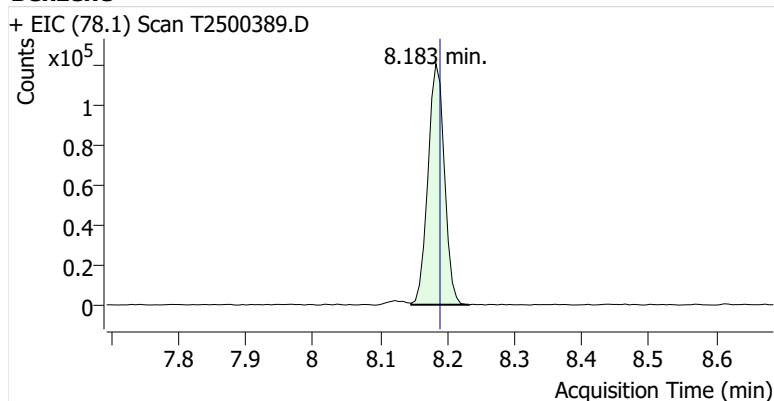


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.128	8.128	461,619	
Benzene	Benzene-d6 (IS)	8.183	8.189	202,462	
Toluene-d8 (IS)		10.820	10.820	492,265	
Toluene	Toluene-d8 (IS)	10.912	10.918	126,698	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	17,872	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	44,313	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	16,422	

Benzene-d6 (IS)

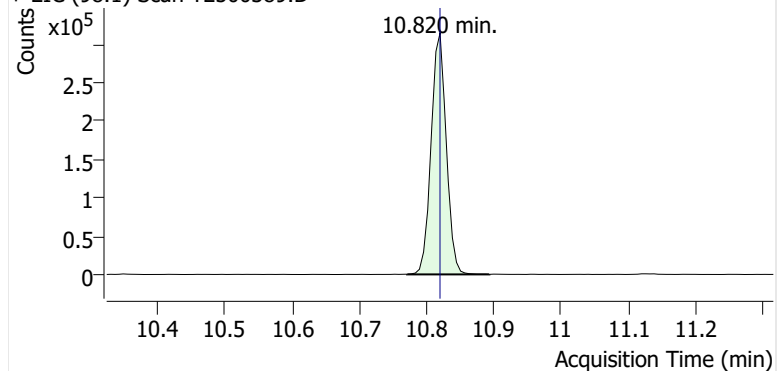


Benzene

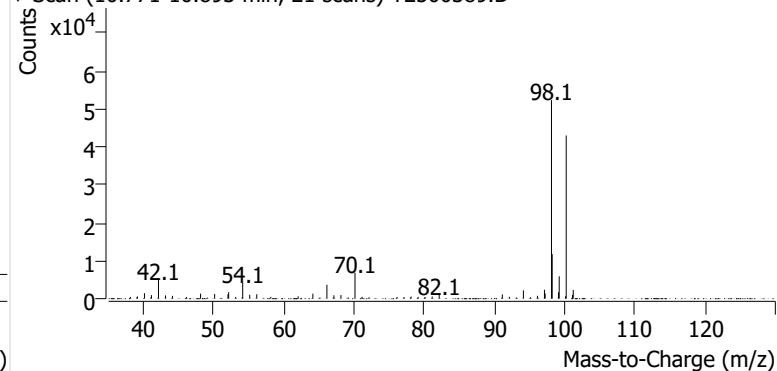


Toluene-d8 (IS)

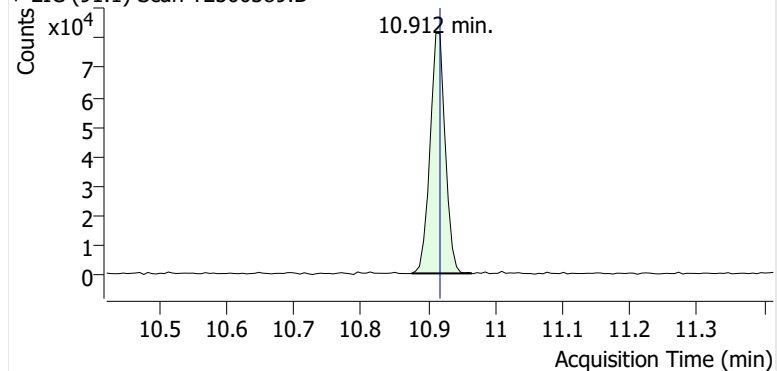
+ EIC (98.1) Scan T2500389.D



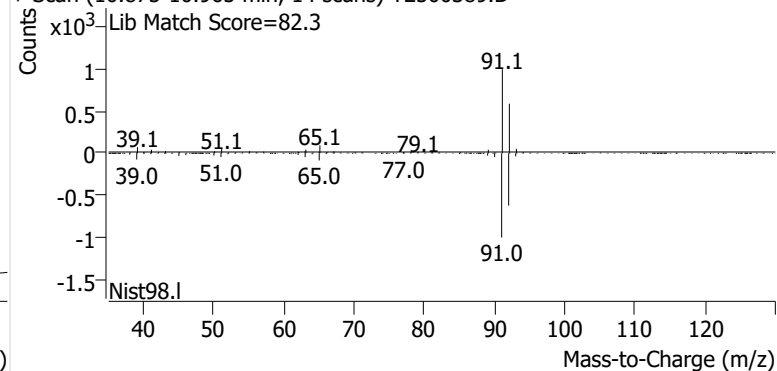
+ Scan (10.771-10.893 min, 21 scans) T2500389.D

**Toluene**

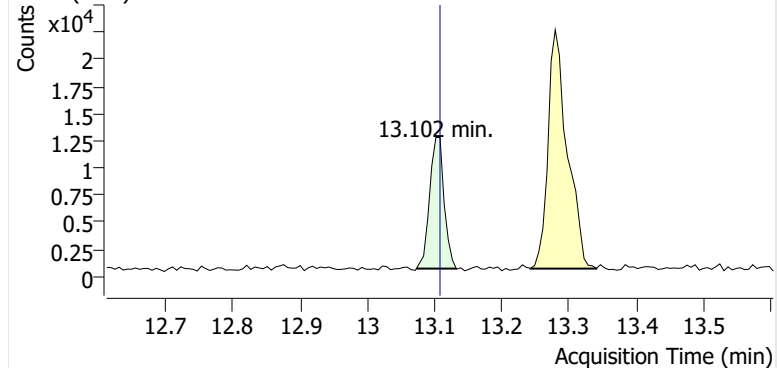
+ EIC (91.1) Scan T2500389.D



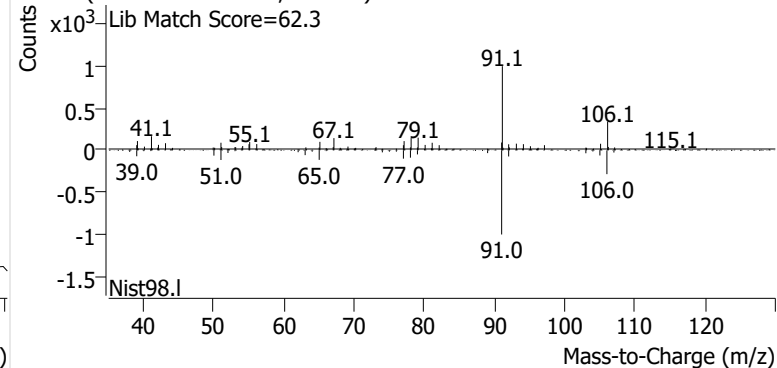
+ Scan (10.875-10.965 min, 14 scans) T2500389.D

**Ethylbenzene**

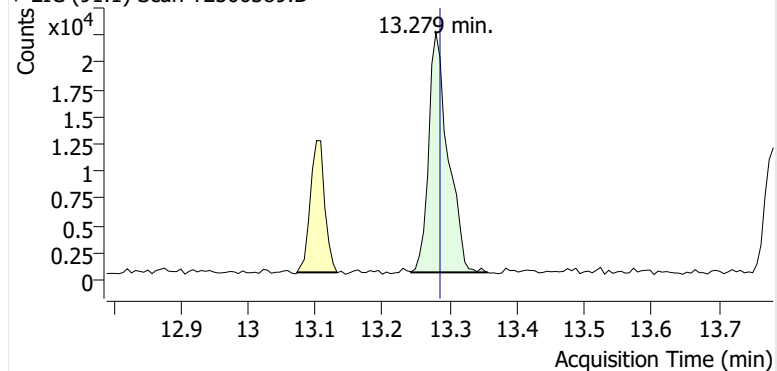
+ EIC (91.1) Scan T2500389.D



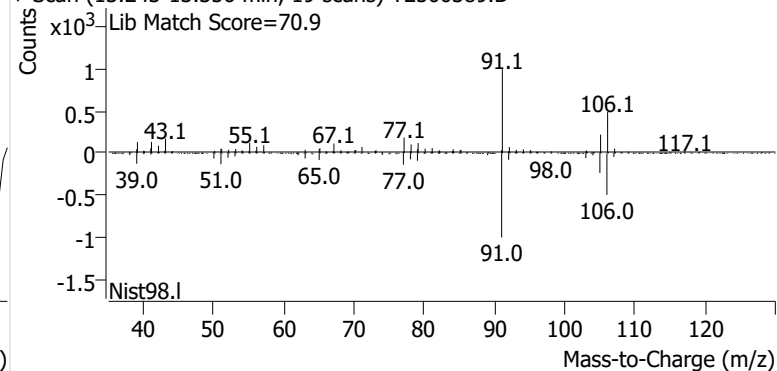
+ Scan (13.073-13.132 min, 9 scans) T2500389.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500389.D

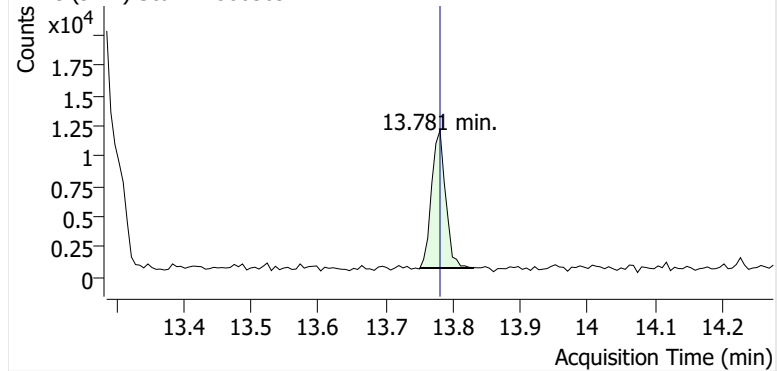


+ Scan (13.243-13.356 min, 19 scans) T2500389.D

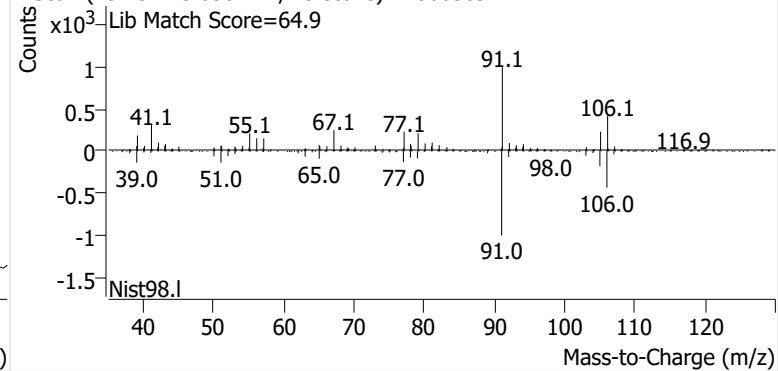


o-Xylene

+ EIC (91.1) Scan T2500389.D

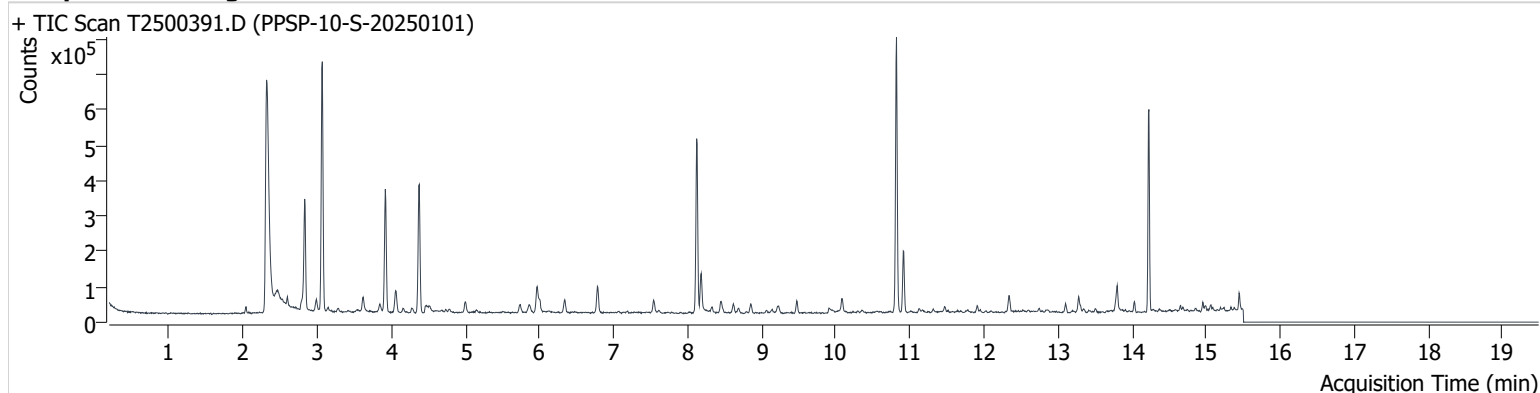


+ Scan (13.751-13.830 min, 13 scans) T2500389.D



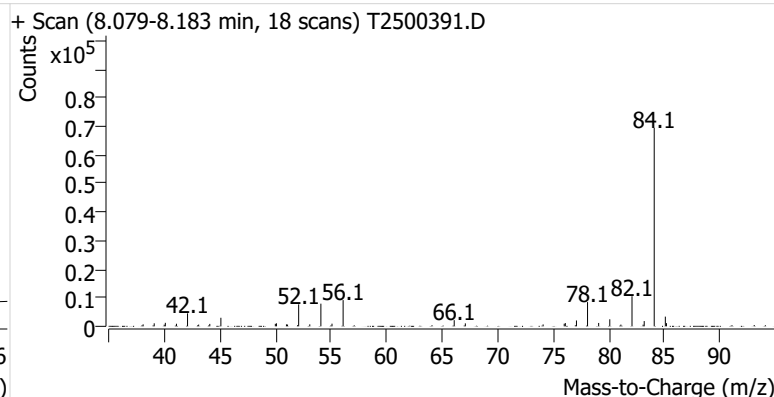
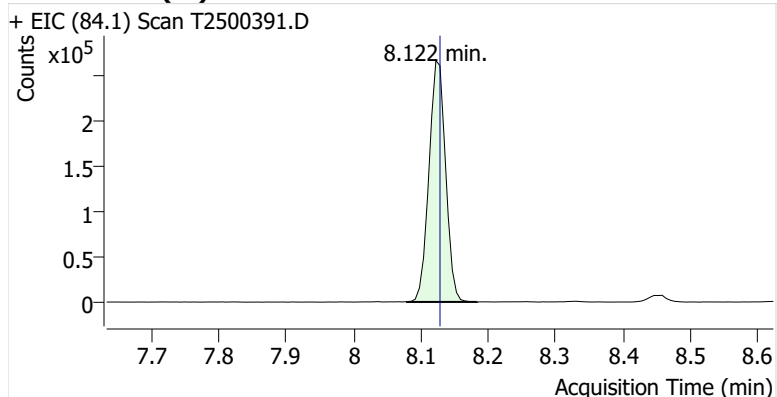
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Comment C43302
Data File T2500391.D
Acq. Date-Time 1/17/2025 6:17:28 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

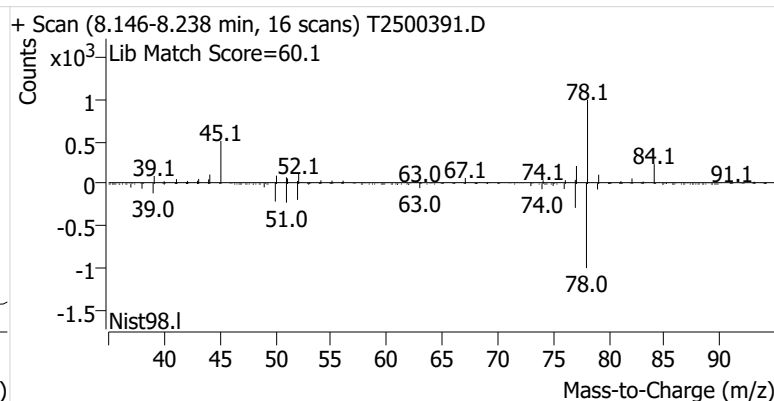
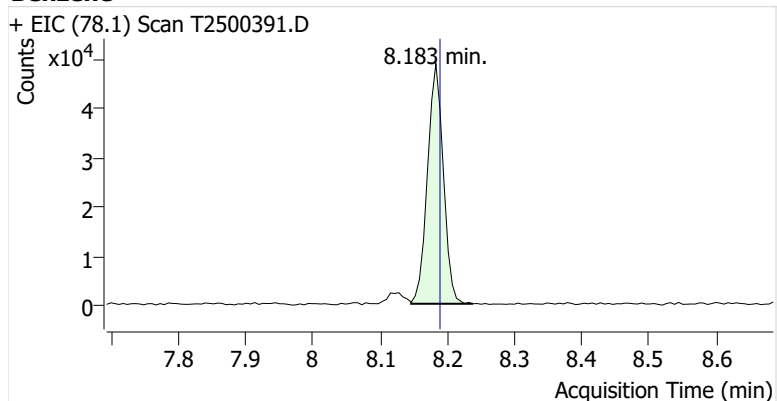


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	457,974	
Benzene	Benzene-d6 (IS)	8.183	8.189	79,525	
Toluene-d8 (IS)		10.820	10.820	494,011	
Toluene	Toluene-d8 (IS)	10.912	10.918	122,004	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	16,149	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	31,846	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	13,972	

Benzene-d6 (IS)

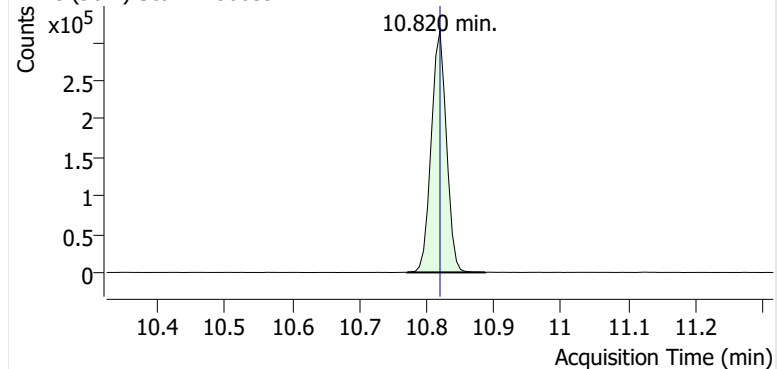


Benzene

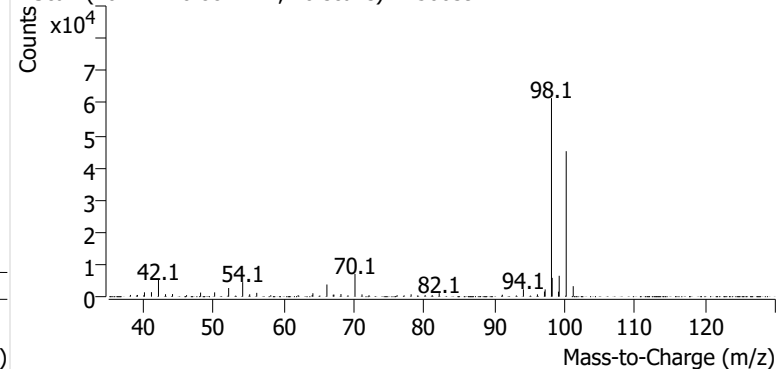


Toluene-d8 (IS)

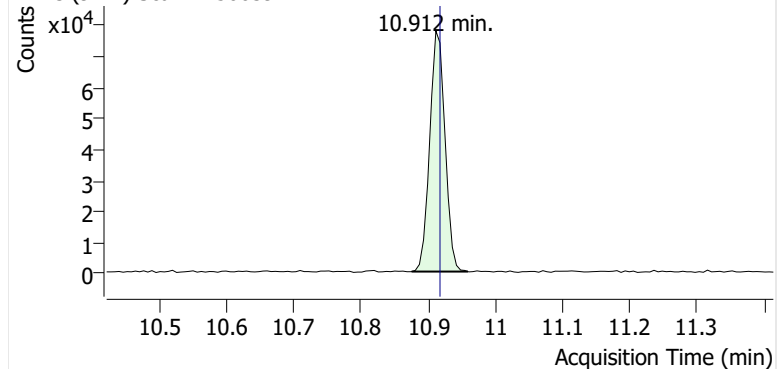
+ EIC (98.1) Scan T2500391.D



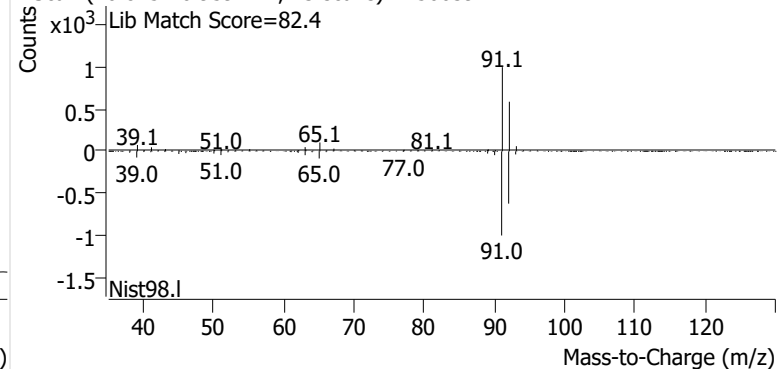
+ Scan (10.771-10.887 min, 20 scans) T2500391.D

**Toluene**

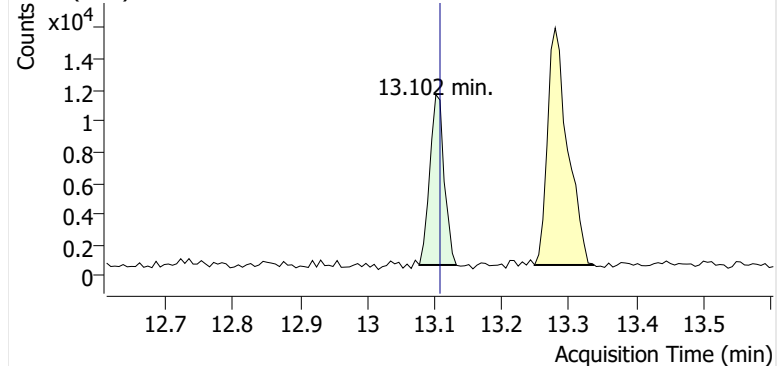
+ EIC (91.1) Scan T2500391.D



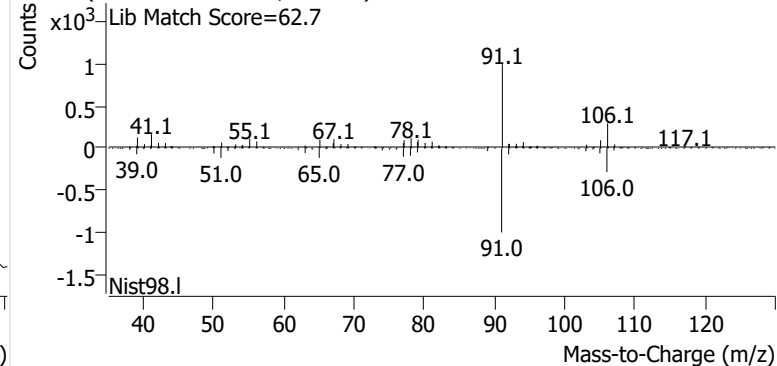
+ Scan (10.875-10.959 min, 13 scans) T2500391.D

**Ethylbenzene**

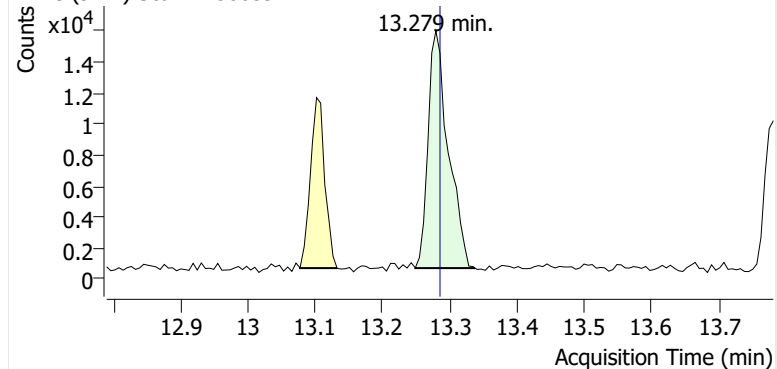
+ EIC (91.1) Scan T2500391.D



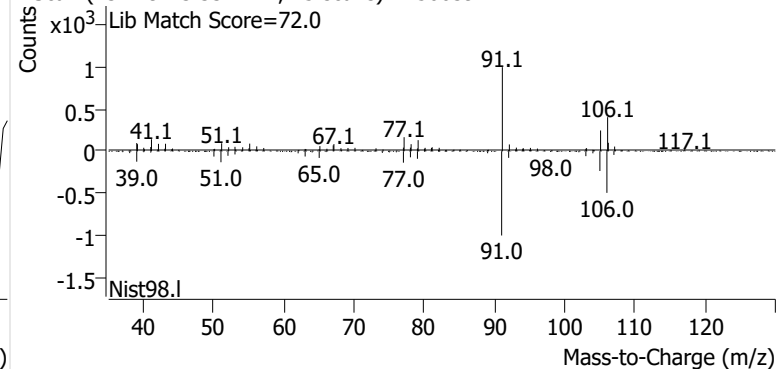
+ Scan (13.077-13.132 min, 9 scans) T2500391.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500391.D

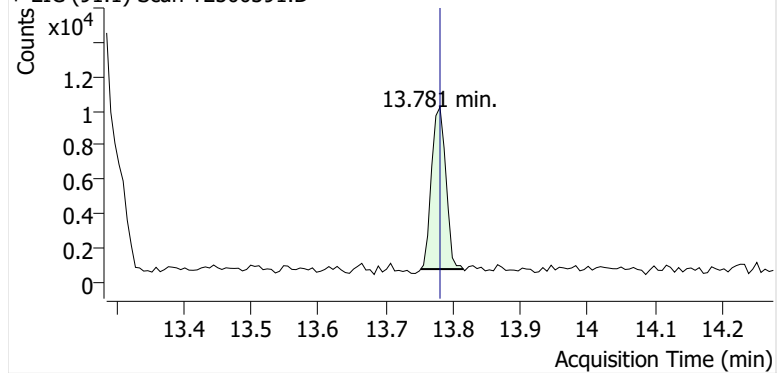


+ Scan (13.249-13.337 min, 15 scans) T2500391.D

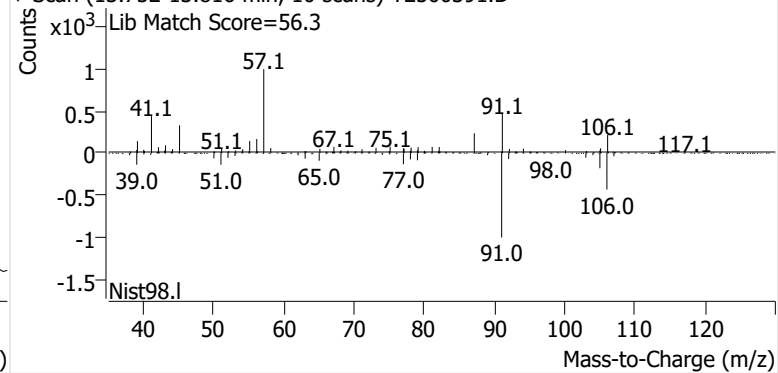


o-Xylene

+ EIC (91.1) Scan T2500391.D

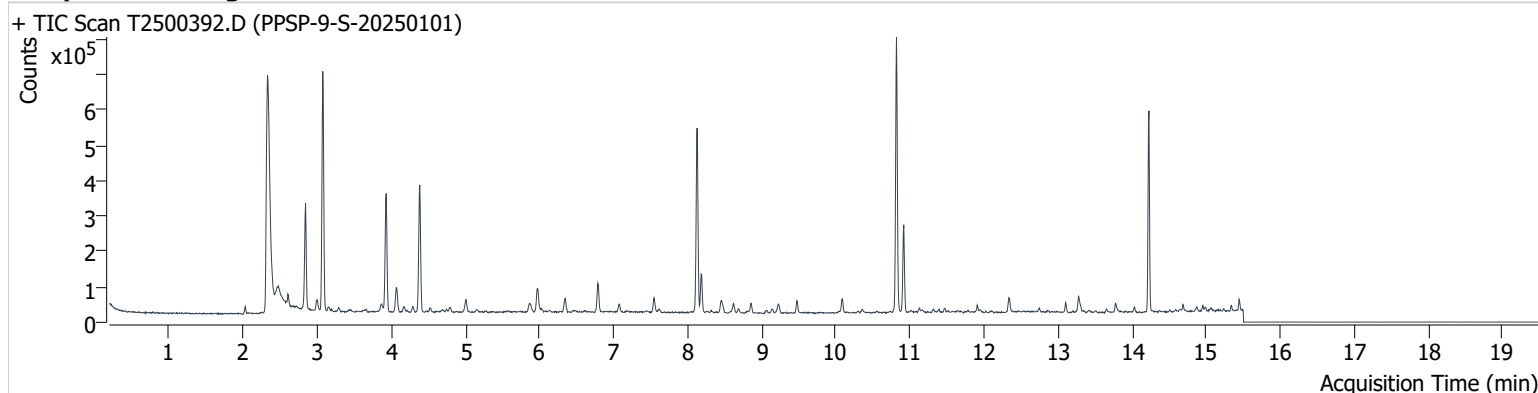


+ Scan (13.752-13.816 min, 10 scans) T2500391.D



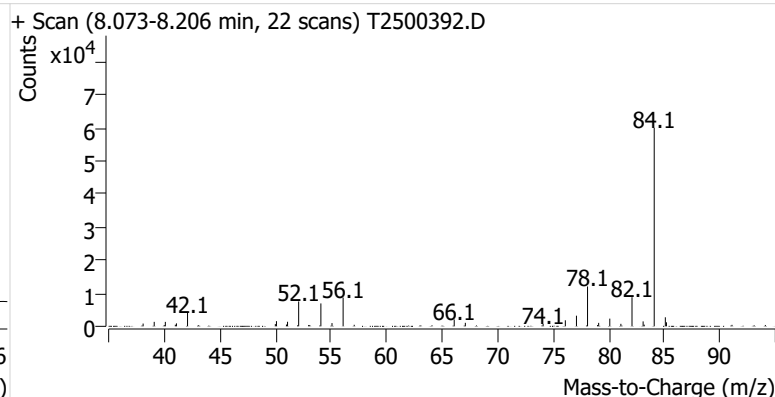
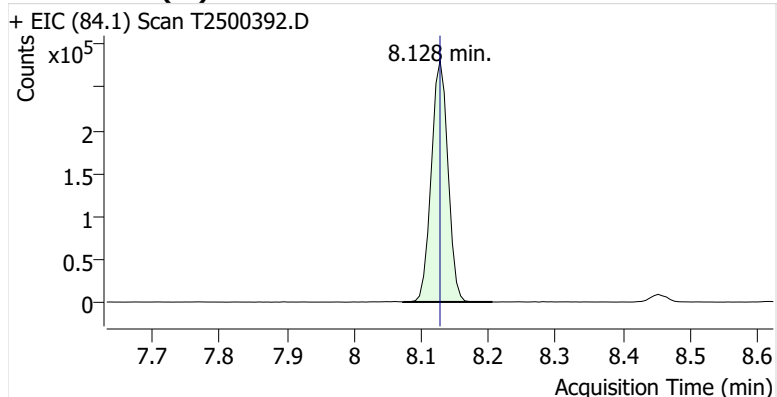
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Comment B27856
Data File T2500392.D
Acq. Date-Time 1/17/2025 6:44:29 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

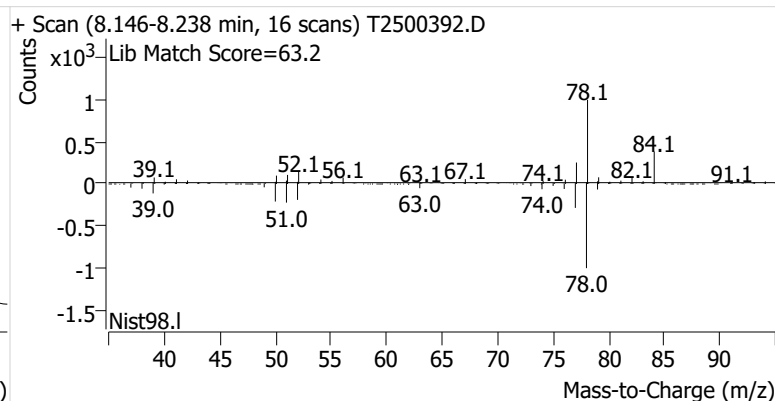
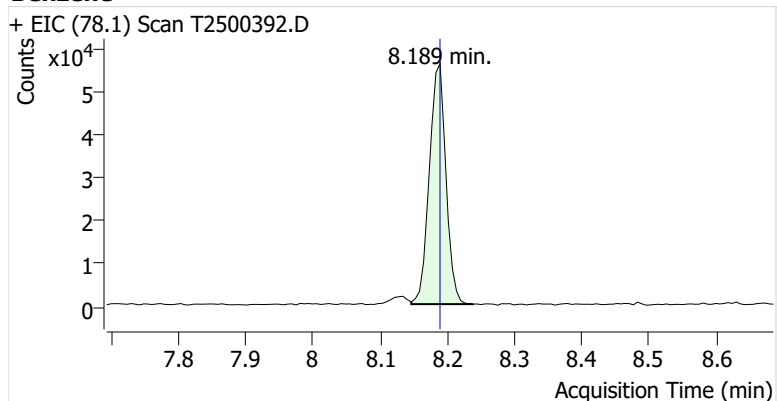


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.128	8.128	483,137	
Benzene	Benzene-d6 (IS)	8.189	8.189	96,004	
Toluene-d8 (IS)		10.820	10.820	494,643	
Toluene	Toluene-d8 (IS)	10.918	10.918	163,616	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	16,311	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	34,712	
o-Xylene	Toluene-d8 (IS)	13.775	13.781	13,572	

Benzene-d6 (IS)

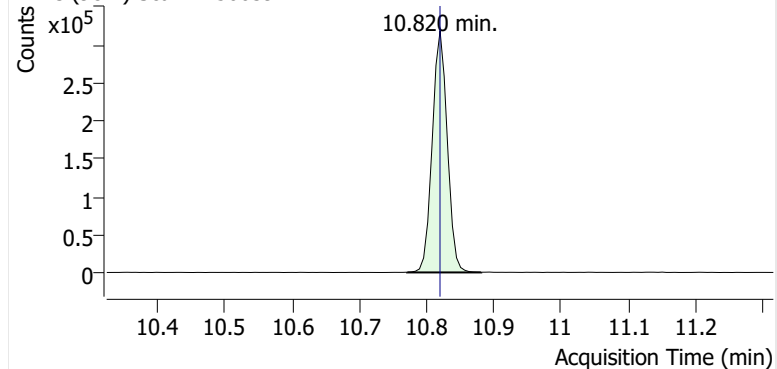


Benzene

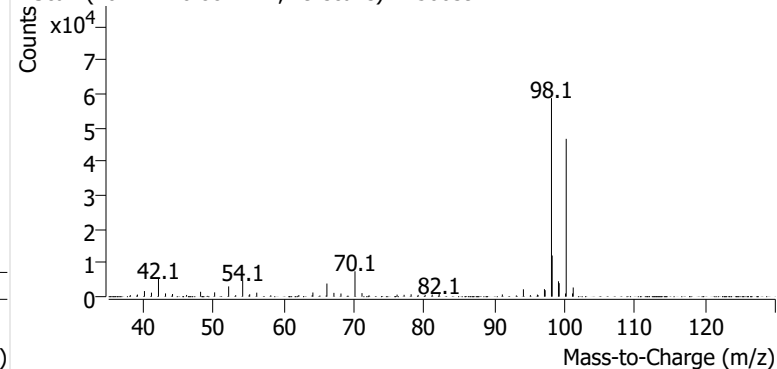


Toluene-d8 (IS)

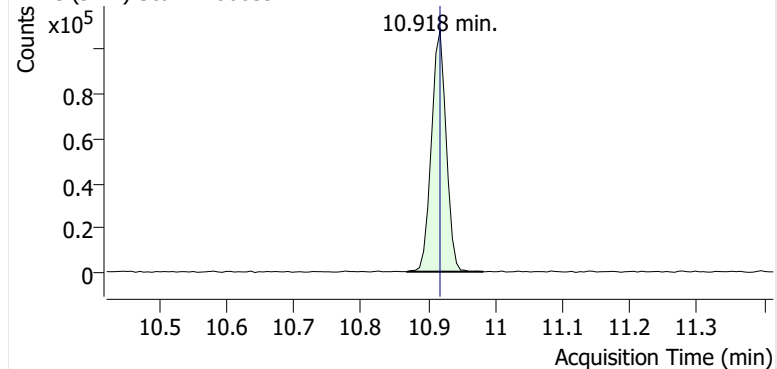
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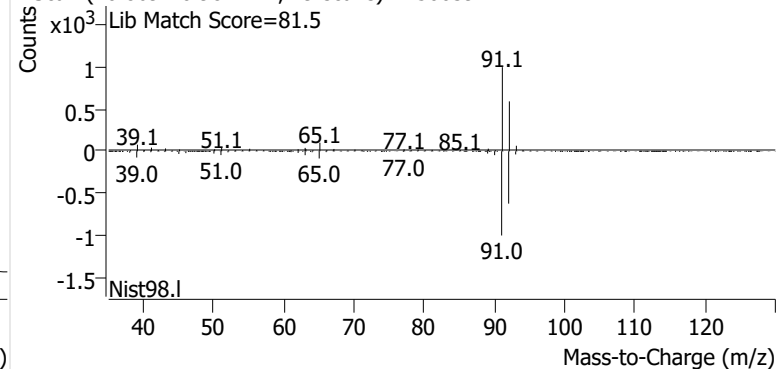
+ Scan (10.771-10.881 min, 19 scans) T2500392.D

**Toluene**

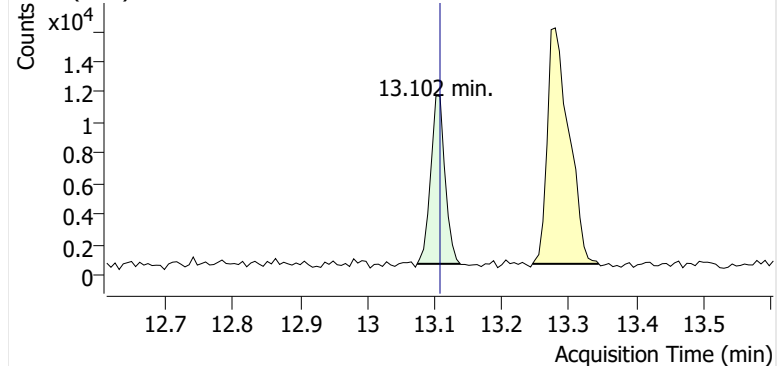
+ EIC (91.1) Scan T2500392.D



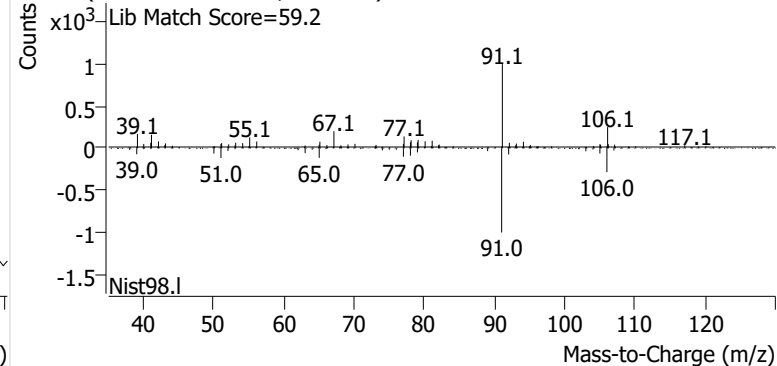
+ Scan (10.869-10.982 min, 19 scans) T2500392.D

**Ethylbenzene**

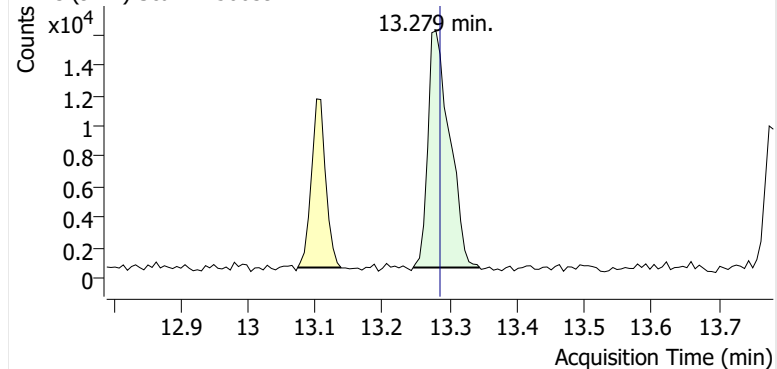
+ EIC (91.1) Scan T2500392.D



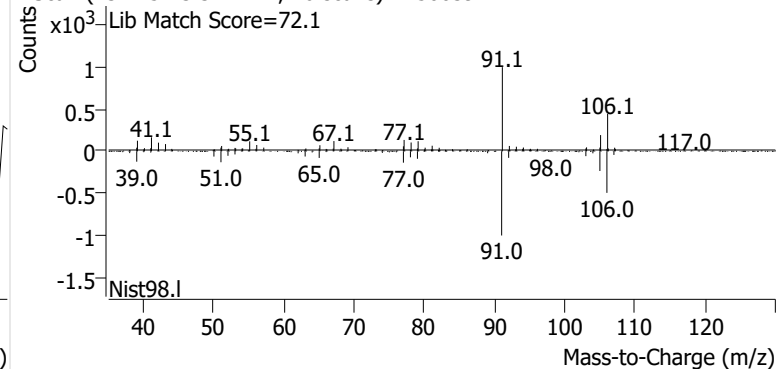
+ Scan (13.074-13.138 min, 10 scans) T2500392.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500392.D

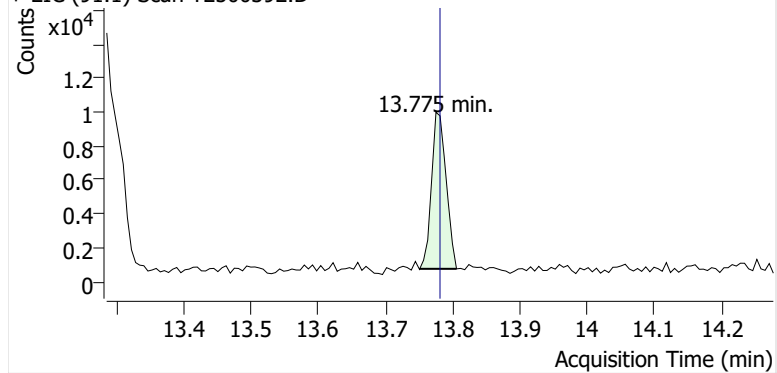


+ Scan (13.245-13.344 min, 16 scans) T2500392.D

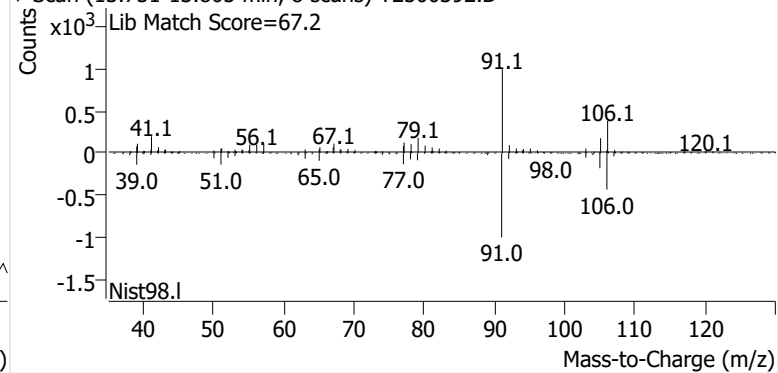


o-Xylene

+ EIC (91.1) Scan T2500392.D

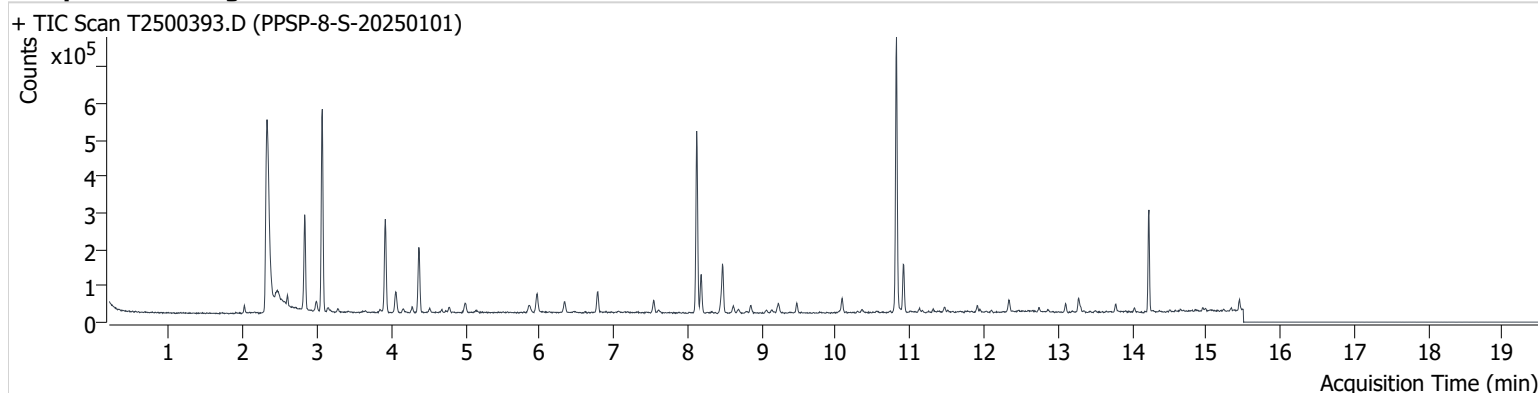


+ Scan (13.751-13.805 min, 8 scans) T2500392.D



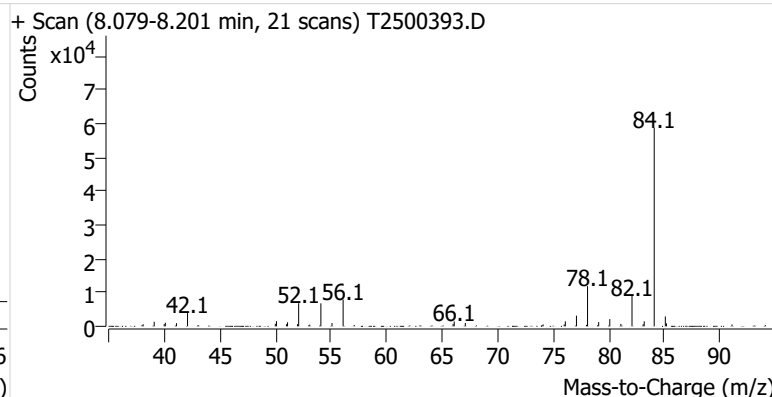
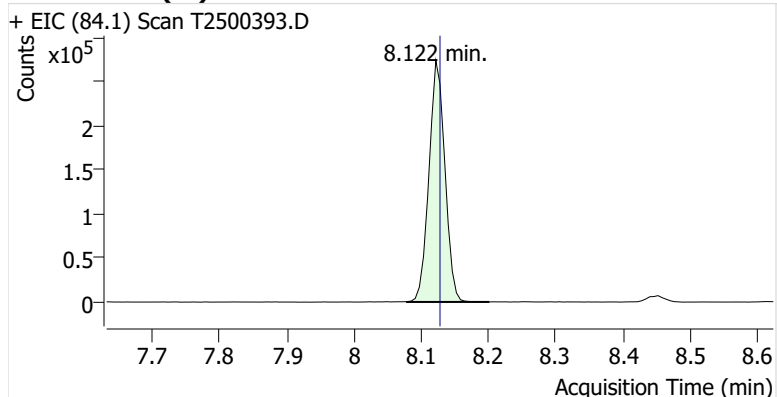
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Comment B17597
Data File T2500393.D
Acq. Date-Time 1/17/2025 7:11:27 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

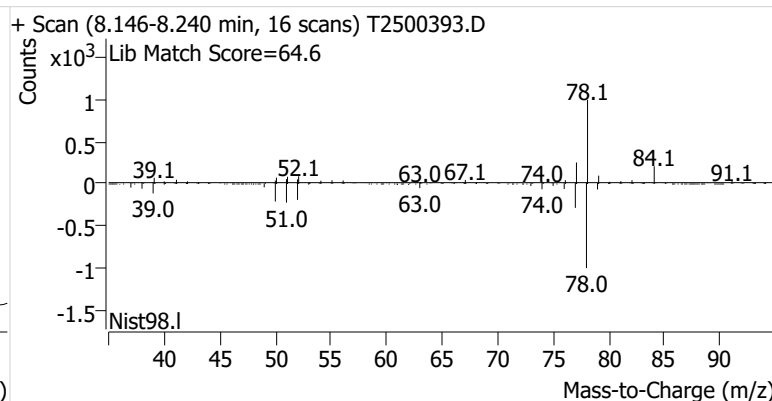
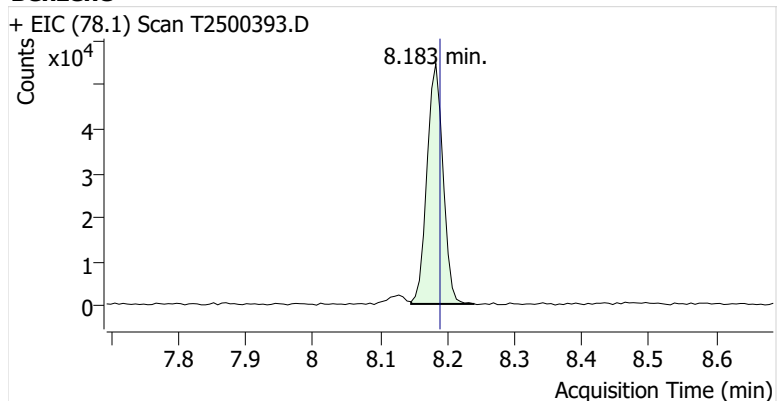


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	452,088	
Benzene	Benzene-d6 (IS)	8.183	8.189	89,940	
Toluene-d8 (IS)		10.820	10.820	479,340	
Toluene	Toluene-d8 (IS)	10.912	10.918	90,843	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	16,264	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	27,886	
o-Xylene	Toluene-d8 (IS)	13.775	13.781	11,566	

Benzene-d6 (IS)

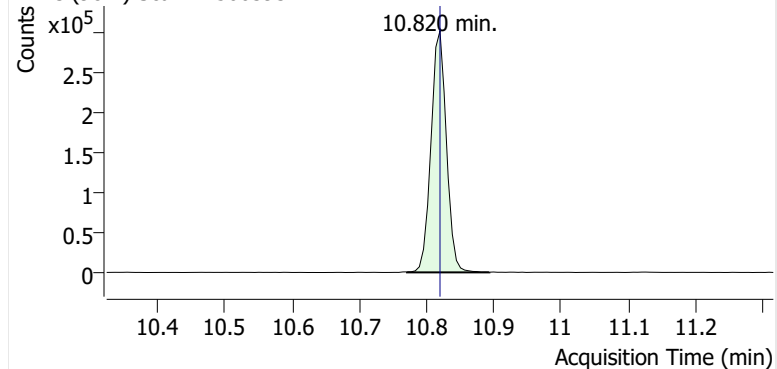


Benzene

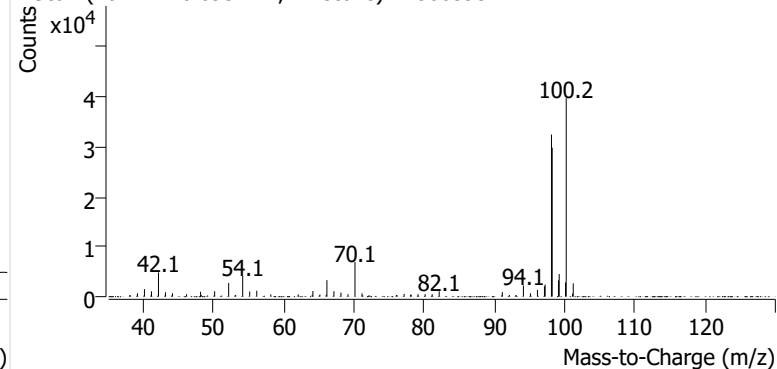


Toluene-d8 (IS)

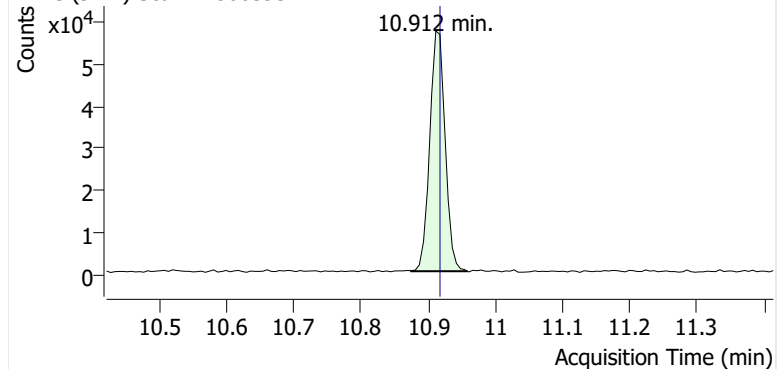
+ EIC (98.1) Scan T2500393.D



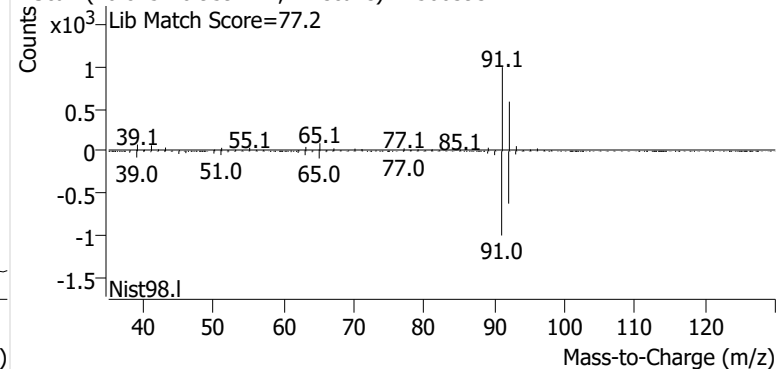
+ Scan (10.771-10.893 min, 21 scans) T2500393.D

**Toluene**

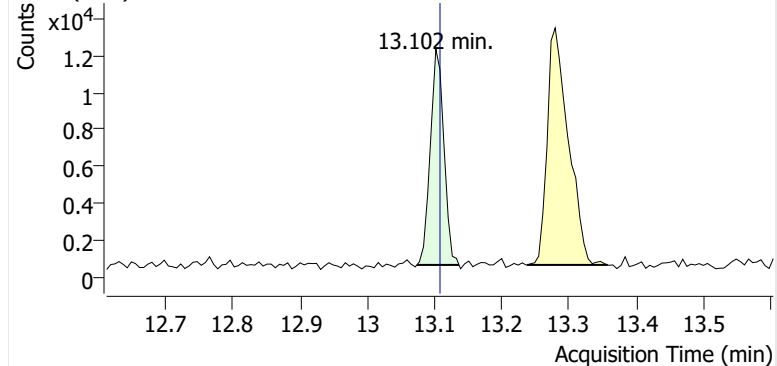
+ EIC (91.1) Scan T2500393.D



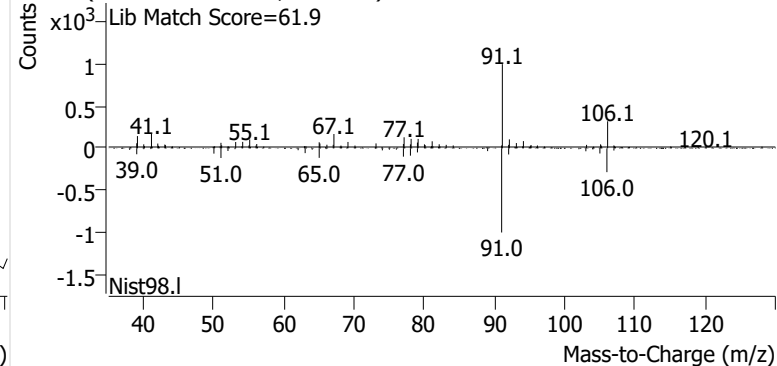
+ Scan (10.875-10.959 min, 14 scans) T2500393.D

**Ethylbenzene**

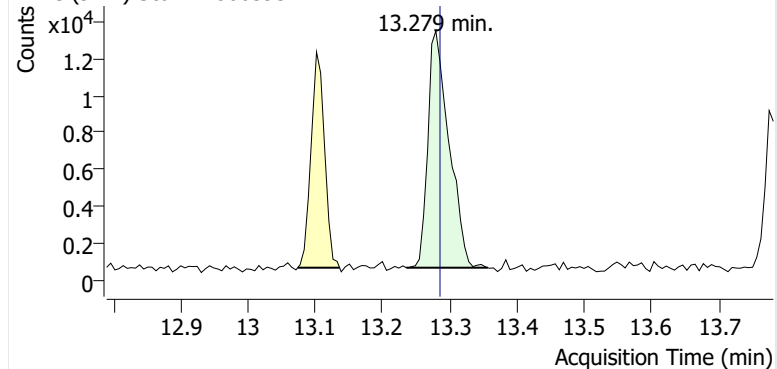
+ EIC (91.1) Scan T2500393.D



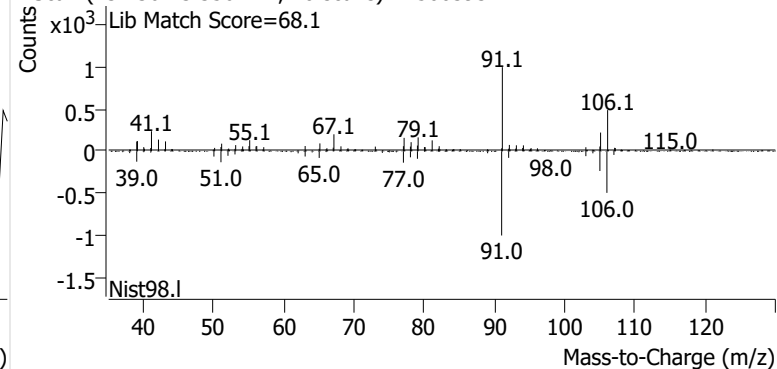
+ Scan (13.073-13.136 min, 10 scans) T2500393.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500393.D

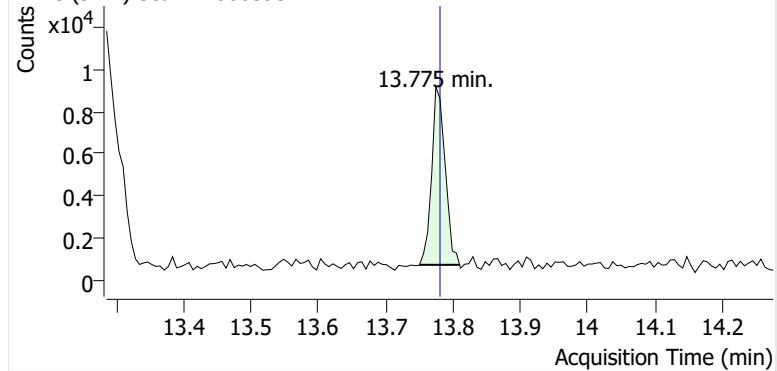


+ Scan (13.236-13.356 min, 20 scans) T2500393.D

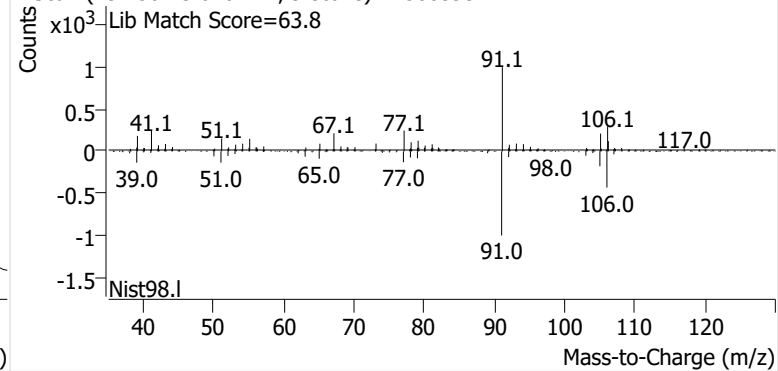


o-Xylene

+ EIC (91.1) Scan T2500393.D

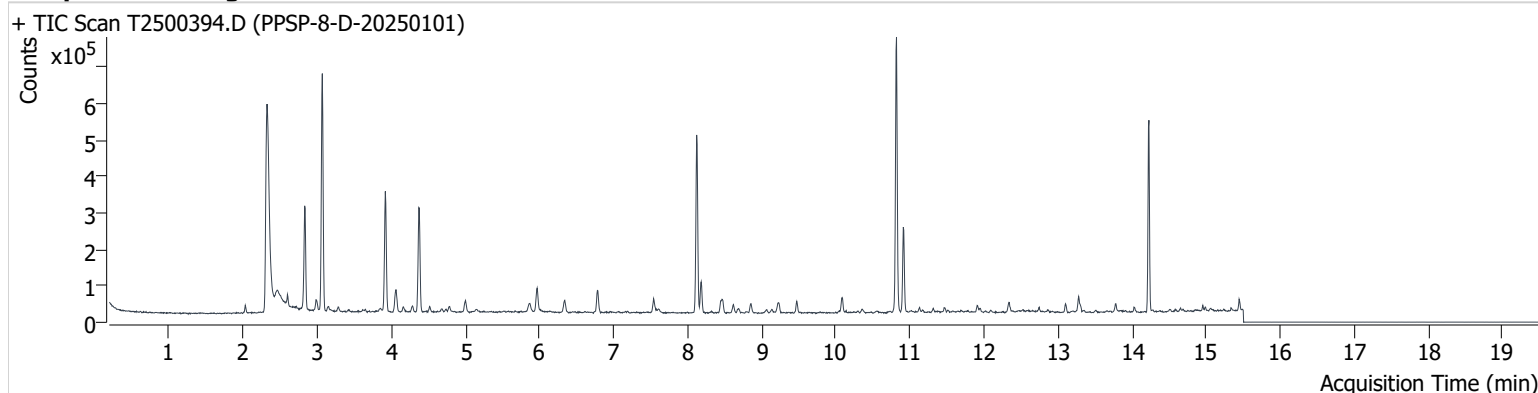


+ Scan (13.750-13.810 min, 9 scans) T2500393.D



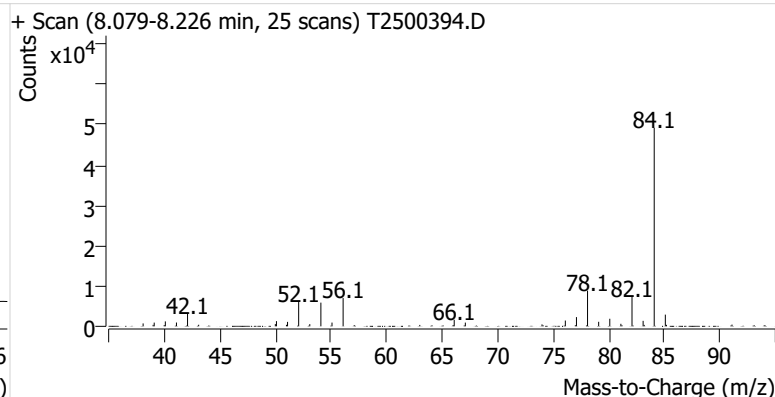
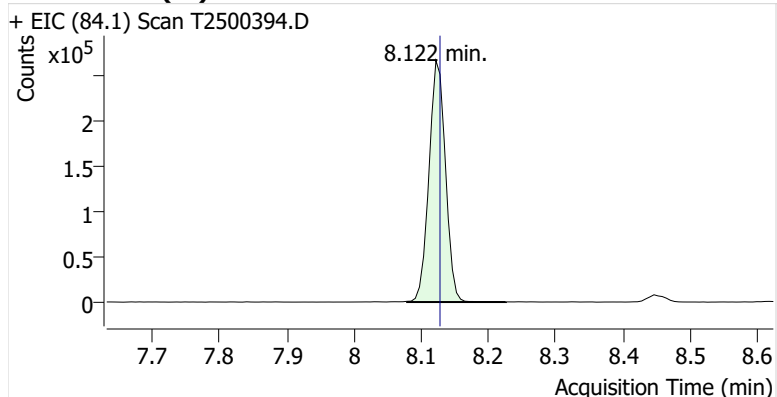
Name PPSP-8-D-20250101
Comment B43025
Data File T2500394.D
Acq. Date-Time 1/17/2025 7:38:36 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

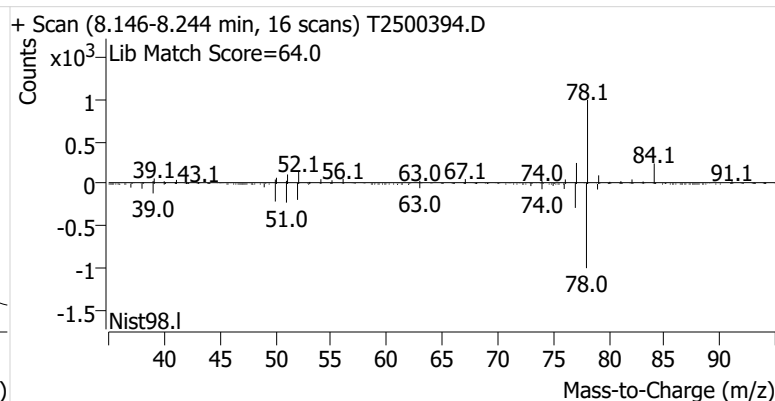
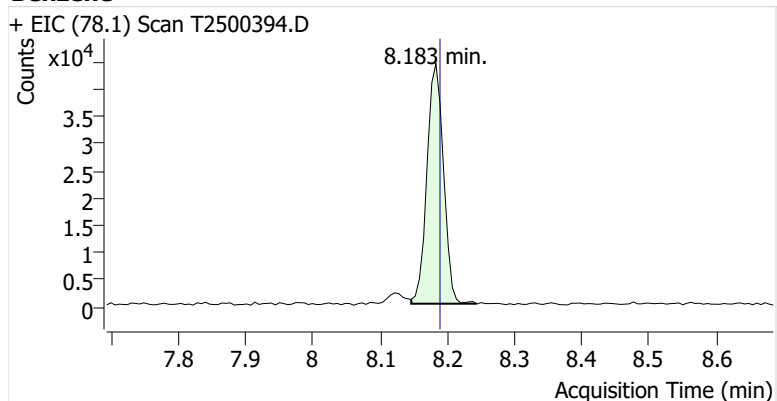


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	452,260	
Benzene	Benzene-d6 (IS)	8.183	8.189	75,473	
Toluene-d8 (IS)		10.820	10.820	490,692	
Toluene	Toluene-d8 (IS)	10.912	10.918	161,439	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	15,218	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	30,228	
o-Xylene	Toluene-d8 (IS)	13.781	13.781	12,264	

Benzene-d6 (IS)

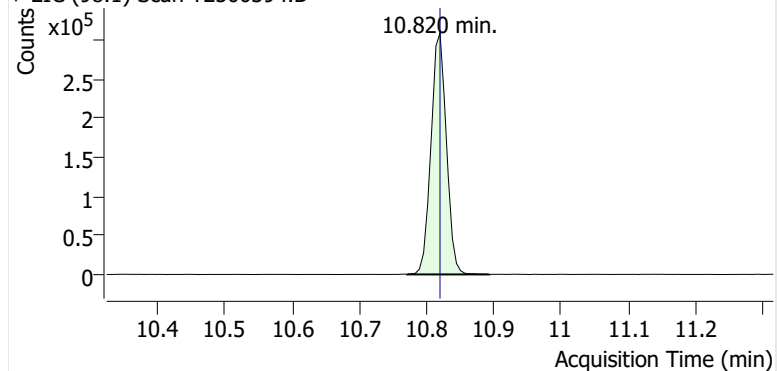


Benzene

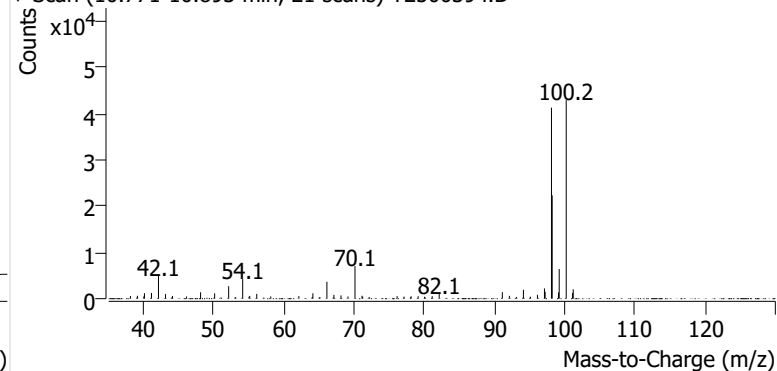


Toluene-d8 (IS)

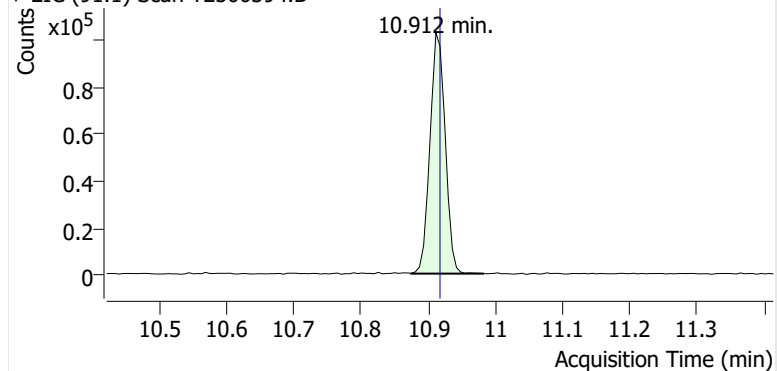
+ EIC (98.1) Scan T2500394.D



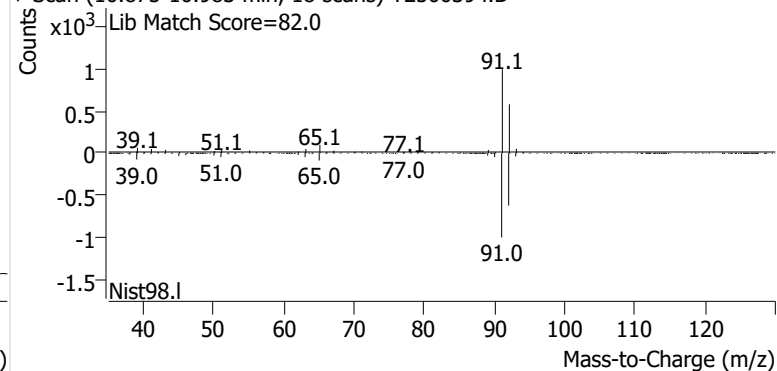
+ Scan (10.771-10.893 min, 21 scans) T2500394.D

**Toluene**

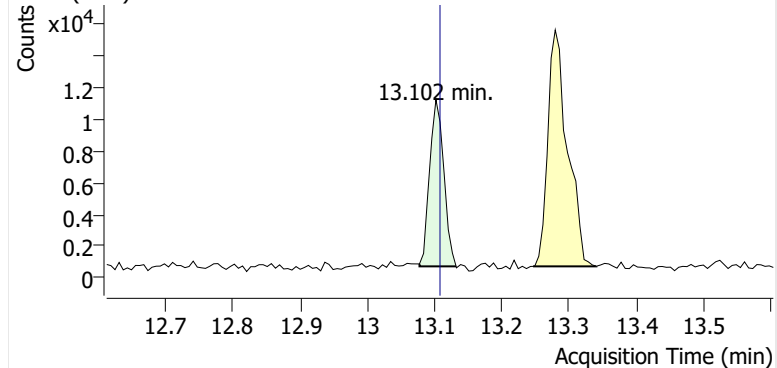
+ EIC (91.1) Scan T2500394.D



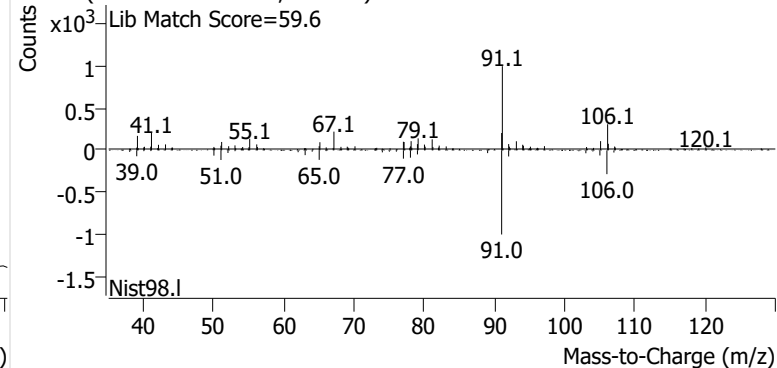
+ Scan (10.875-10.983 min, 18 scans) T2500394.D

**Ethylbenzene**

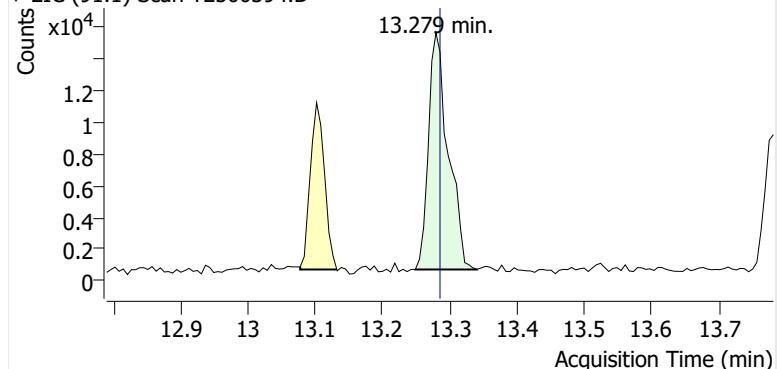
+ EIC (91.1) Scan T2500394.D



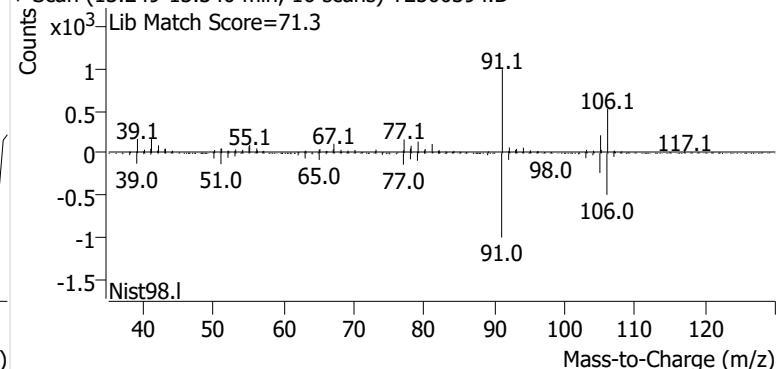
+ Scan (13.077-13.132 min, 9 scans) T2500394.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500394.D

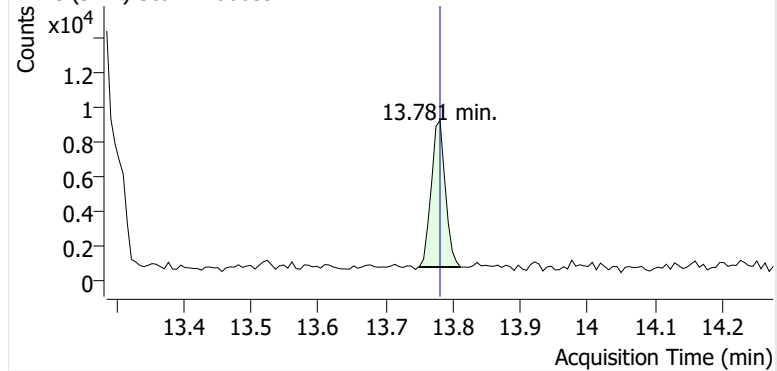


+ Scan (13.249-13.340 min, 16 scans) T2500394.D

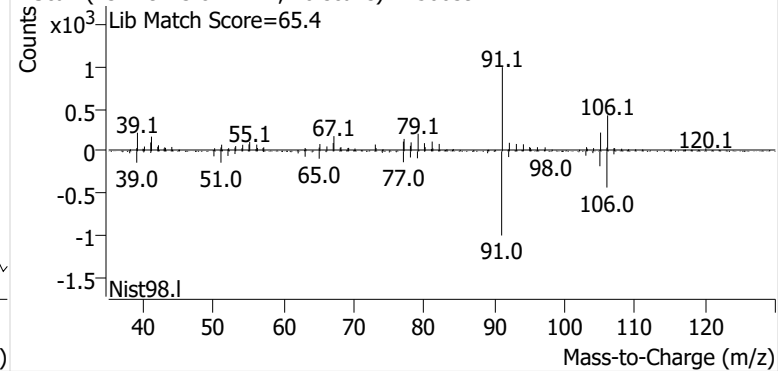


o-Xylene

+ EIC (91.1) Scan T2500394.D

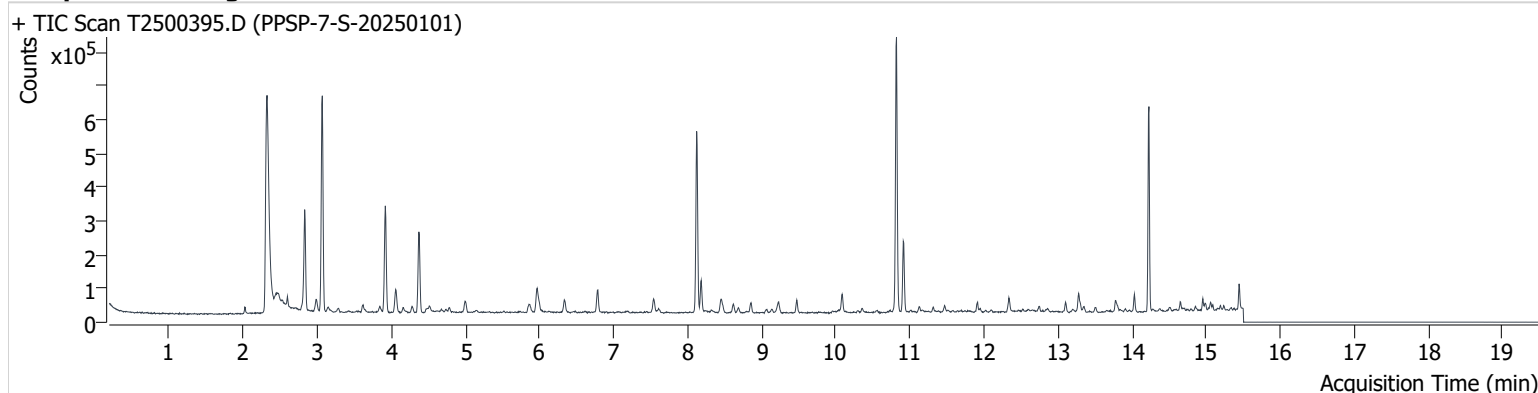


+ Scan (13.749-13.811 min, 10 scans) T2500394.D



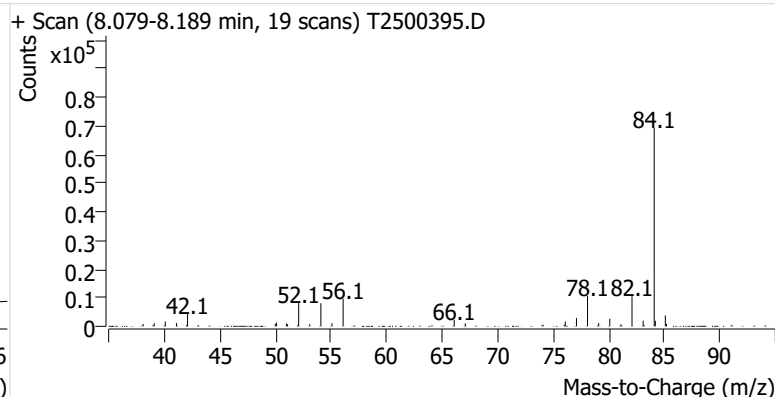
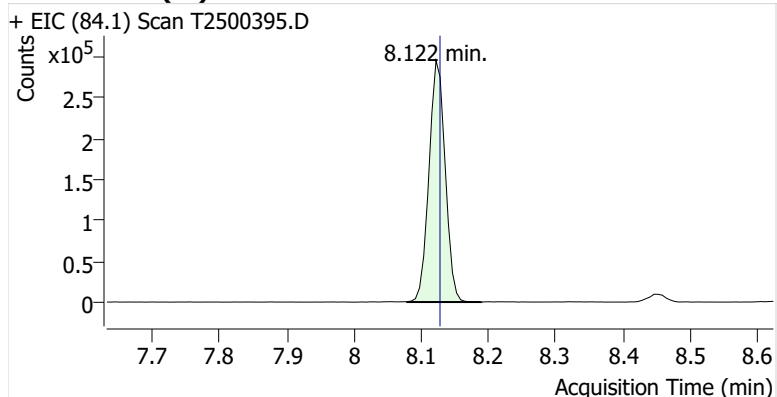
Name PPSP-7-S-20250101
Comment C43266
Data File T2500395.D
Acq. Date-Time 1/17/2025 8:05:45 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

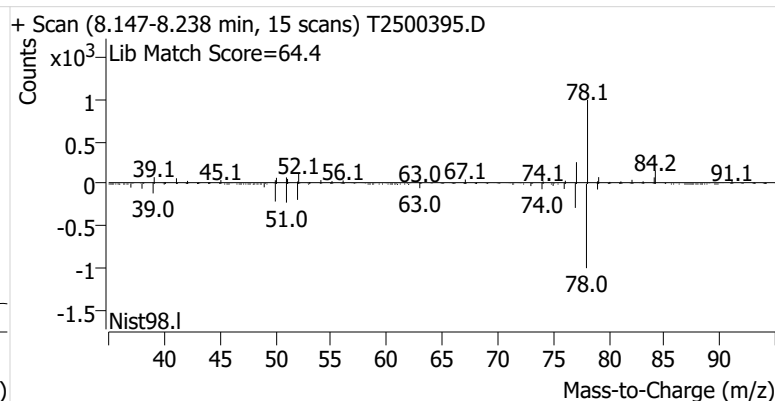
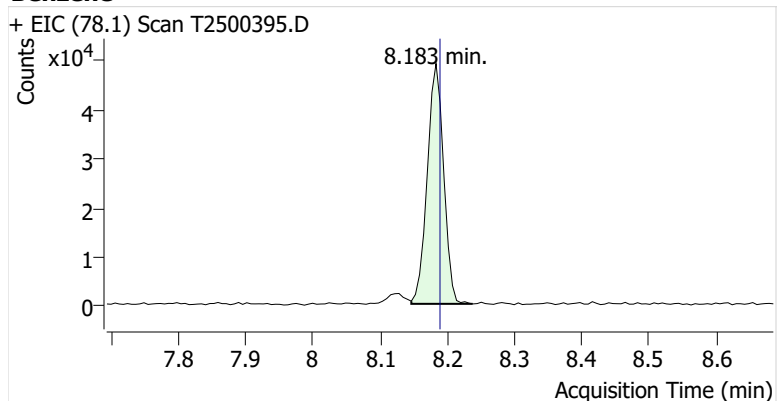


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
Benzene-d6 (IS)		8.122	8.128	495,399	
Benzene	Benzene-d6 (IS)	8.183	8.189	82,566	
Toluene-d8 (IS)		10.820	10.820	525,171	
Toluene	Toluene-d8 (IS)	10.912	10.918	144,776	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.108	19,001	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.285	40,162	
o-Xylene	Toluene-d8 (IS)	13.775	13.781	16,460	

Benzene-d6 (IS)

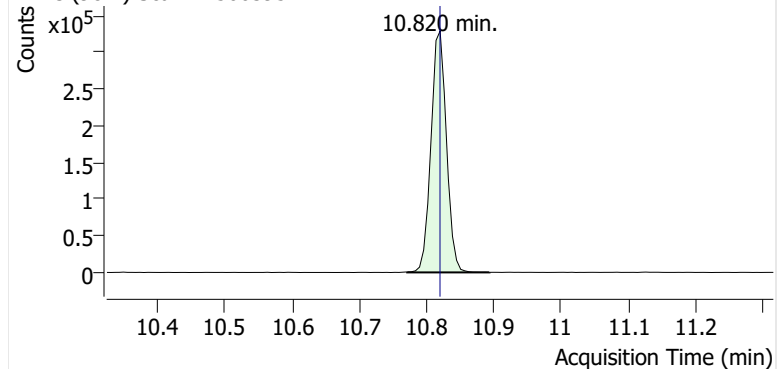


Benzene

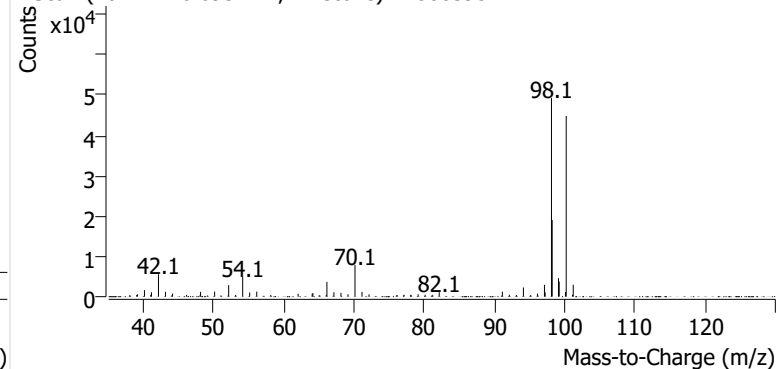


Toluene-d8 (IS)

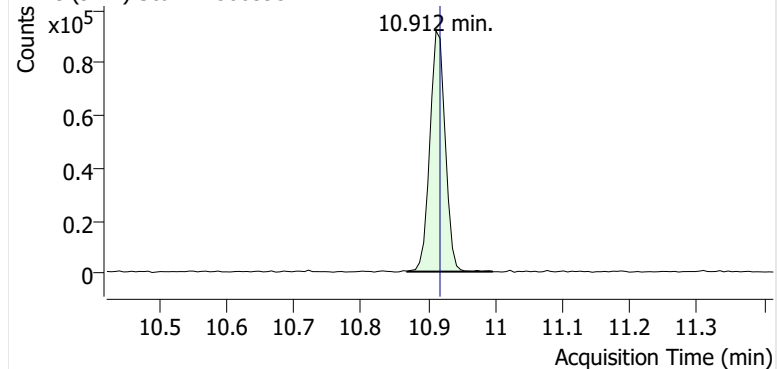
+ EIC (98.1) Scan T2500395.D



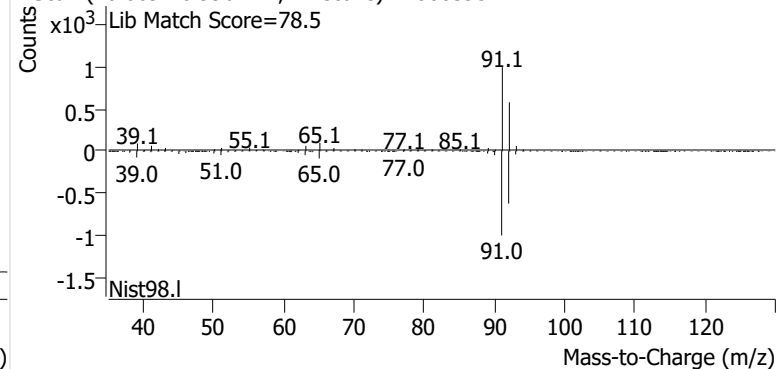
+ Scan (10.771-10.893 min, 21 scans) T2500395.D

**Toluene**

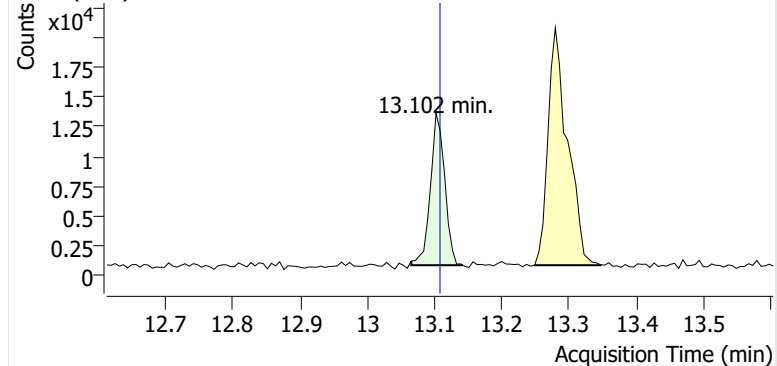
+ EIC (91.1) Scan T2500395.D



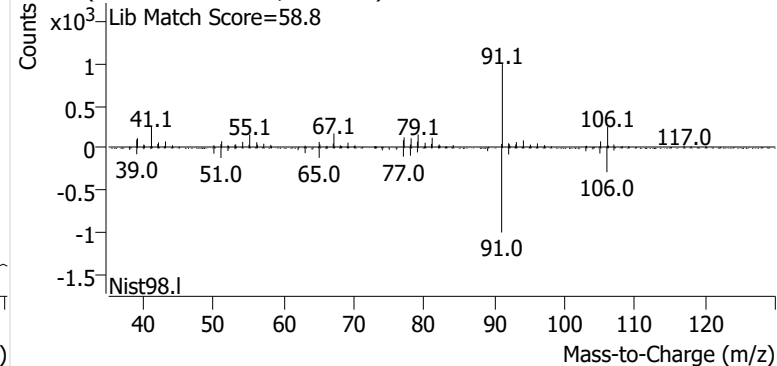
+ Scan (10.869-10.996 min, 21 scans) T2500395.D

**Ethylbenzene**

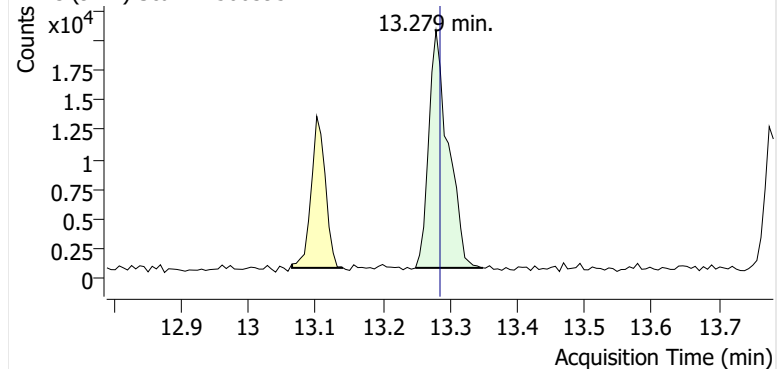
+ EIC (91.1) Scan T2500395.D



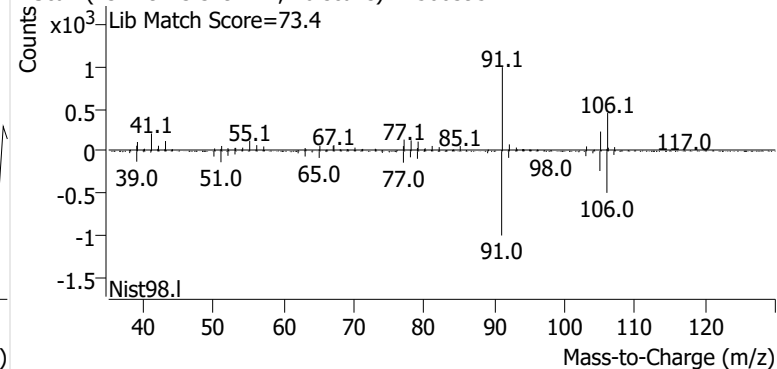
+ Scan (13.065-13.142 min, 13 scans) T2500395.D

**m-/p-Xylenes**

+ EIC (91.1) Scan T2500395.D

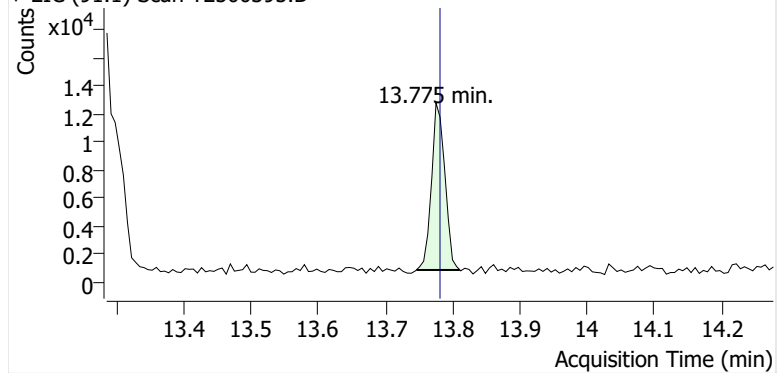


+ Scan (13.249-13.349 min, 16 scans) T2500395.D

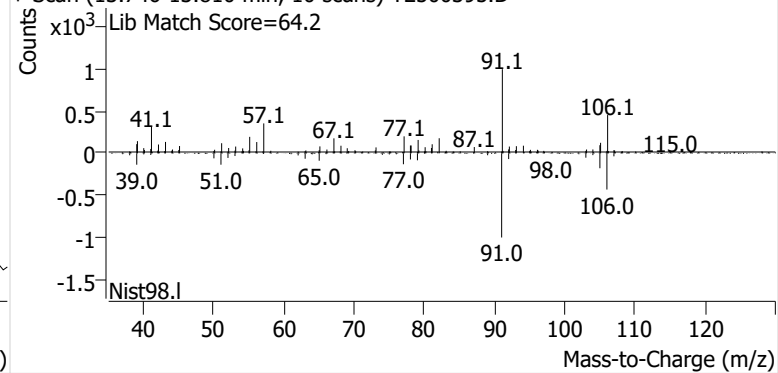


o-Xylene

+ EIC (91.1) Scan T2500395.D



+ Scan (13.746-13.810 min, 10 scans) T2500395.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.205	1.435	1.205	-16%	4.3%		Pass	
2025FW102 Method Blank-1	Blank		1.435	1.205			-0.13%	Pass	ND
M325B CCV 5	Check	1.230	1.435	1.205	-14%		1.2%	Pass	
M325B CCV 5	Check	1.223	1.435	1.205	-15%		0.0020%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.638	1.831	1.638	-11%	1.6%		Pass	
2025FW102 Method Blank-1	Blank		1.831	1.638			-0.87%	Pass	ND
M325B CCV 5	Check	1.681	1.831	1.638	-8.2%		-0.15%	Pass	
M325B CCV 5	Check	1.641	1.831	1.638	-10%		0.14%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.298	1.423	1.298	-8.8%	1.6%		Pass	
2025FW102 Method Blank-1	Blank		1.423	1.298			-0.87%	Pass	ND
M325B CCV 5	Check	1.339	1.423	1.298	-6.0%		-0.15%	Pass	
M325B CCV 5	Check	1.273	1.423	1.298	-11%		0.14%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.308	1.450	1.308	-9.9%	1.6%		Pass	
2025FW102 Method Blank-1	Blank		1.450	1.308			-0.87%	Pass	ND
M325B CCV 5	Check	1.315	1.450	1.308	-9.3%		-0.15%	Pass	
M325B CCV 5	Check	1.268	1.450	1.308	-13%		0.14%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/ Fail	Flags
M325B CCV 5	Cal	1.386	1.617	1.386	-14%	1.6%		Pass	
2025FW102 Method Blank-1	Blank		1.617	1.386			-0.87%	Pass	ND
M325B CCV 5	Check	1.410	1.617	1.386	-13%		-0.15%	Pass	
M325B CCV 5	Check	1.387	1.617	1.386	-14%		0.14%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
T121024A_CC252679.quantmethod.xml	Benzene	1	T2406176.D	4.97	66541	55.2	435656	1.699	18%
T121024A_CC252679.quantmethod.xml	Benzene	2	T2406177.D	9.93	128159	55.2	432821	1.647	15%
T121024A_CC252679.quantmethod.xml	Benzene	3	T2406178.D	19.87	215316	55.2	434739	1.377	-4.0%
T121024A_CC252679.quantmethod.xml	Benzene	4	T2406179.D	39.74	419094	55.2	436724	1.334	-7.0%
T121024A_CC252679.quantmethod.xml	Benzene	5	T2406180.D	99.34	1037472	55.2	428092	1.348	-6.1%
T121024A_CC252679.quantmethod.xml	Benzene	6	T2406181.D	198.68	2060253	55.2	428601	1.336	-6.9%
T121024A_CC252679.quantmethod.xml	Benzene	7	T2406182.D	596.04	5980998	55.2	424782	1.305	-9.1%
						Avg:	431631	1.435	
						%RSD:	1.0%	11%	
T121024A_CC252679.quantmethod.xml	Ethylbenzene	1	T2406176.D	5.16	72180	65.2	483813	1.883	2.8%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	2	T2406177.D	10.32	135151	65.2	481495	1.772	-3.3%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	3	T2406178.D	20.65	288084	65.2	485626	1.872	2.2%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	4	T2406179.D	41.30	581260	65.2	478715	1.916	4.6%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	5	T2406180.D	103.25	1356305	65.2	485832	1.762	-3.8%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	6	T2406181.D	206.50	2778216	65.2	477501	1.836	0.27%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	7	T2406182.D	619.49	8137440	65.2	481639	1.777	-2.9%
						Avg:	482089	1.831	
						%RSD:	0.67%	3.4%	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	1	T2406176.D	4.88	54207	65.2	483813	1.498	5.2%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	2	T2406177.D	9.75	95901	65.2	481495	1.331	-6.5%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	3	T2406178.D	19.50	207424	65.2	485626	1.427	0.28%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	4	T2406179.D	39.01	410552	65.2	478715	1.433	0.67%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	5	T2406180.D	97.51	1012474	65.2	485832	1.393	-2.1%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	6	T2406181.D	195.03	1996215	65.2	477501	1.397	-1.9%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	7	T2406182.D	585.08	6419455	65.2	481639	1.485	4.3%
						Avg:	482089	1.423	
						%RSD:	0.67%	4.0%	
T121024A_CC252679.quantmethod.xml	o-Xylene	1	T2406176.D	5.09	58386	65.2	483813	1.547	6.6%
T121024A_CC252679.quantmethod.xml	o-Xylene	2	T2406177.D	10.17	106452	65.2	481495	1.417	-2.3%
T121024A_CC252679.quantmethod.xml	o-Xylene	3	T2406178.D	20.34	222894	65.2	485626	1.471	1.4%
T121024A_CC252679.quantmethod.xml	o-Xylene	4	T2406179.D	40.68	441470	65.2	478715	1.477	1.8%
T121024A_CC252679.quantmethod.xml	o-Xylene	5	T2406180.D	101.70	1055796	65.2	485832	1.393	-4.0%
T121024A_CC252679.quantmethod.xml	o-Xylene	6	T2406181.D	203.41	2092926	65.2	477501	1.404	-3.2%
T121024A_CC252679.quantmethod.xml	o-Xylene	7	T2406182.D	610.23	6519157	65.2	481639	1.446	-0.34%
						Avg:	482089	1.450	
						%RSD:	0.67%	3.7%	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW102-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
T121024A_CC252679.quantmethod.xml	Toluene	1	T2406176.D	5.37	80421	65.2	483813	2.017	25%
T121024A_CC252679.quantmethod.xml	Toluene	2	T2406177.D	10.74	133023	65.2	481495	1.676	3.6%
T121024A_CC252679.quantmethod.xml	Toluene	3	T2406178.D	21.48	251380	65.2	485626	1.570	-2.9%
T121024A_CC252679.quantmethod.xml	Toluene	4	T2406179.D	42.97	502406	65.2	478715	1.592	-1.6%
T121024A_CC252679.quantmethod.xml	Toluene	5	T2406180.D	107.41	1191412	65.2	485832	1.488	-8.0%
T121024A_CC252679.quantmethod.xml	Toluene	6	T2406181.D	214.83	2397062	65.2	477501	1.523	-5.8%
T121024A_CC252679.quantmethod.xml	Toluene	7	T2406182.D	644.48	6935908	65.2	481639	1.456	-10%
						Avg:	482089	1.617	
						%RSD:	0.67%	12%	
T121024A_CC252679.quantmethod.xml	Benzene	ICV	T2406183.D	64.23	818837	55.2	461801	1.525	6.3%
T121024A_CC252679.quantmethod.xml	Ethylbenzene	ICV	T2406183.D	86.24	1192957	65.2	474027	1.902	3.8%
T121024A_CC252679.quantmethod.xml	m-/p-Xylenes	ICV	T2406183.D	89.77	852763	65.2	474027	1.306	-8.2%
T121024A_CC252679.quantmethod.xml	o-Xylene	ICV	T2406183.D	88.36	845421	65.2	474027	1.315	-9.3%
T121024A_CC252679.quantmethod.xml	Toluene	ICV	T2406183.D	76.61	935135	65.2	474027	1.678	3.8%

**This Is The Last Page
Of This Report.**



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 14

Analytical Report (2025FW103)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF). This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of a report are not taken out of context.

A handwritten signature in black ink, reading "Conor Toomey". The signature is fluid and cursive, with the first name "Conor" and last name "Toomey" clearly distinguishable.

QA Review by Conor Toomey, QA Associate I

Report Issued: 02/12/2025



Summary of Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene (ug/m ³)	Flag	Ethylbenzene (ug/m ³)	Flag	m-/p-Xylenes (ug/m ³)	Flag	o-Xylene (ug/m ³)	Flag	Toluene (ug/m ³)	Flag
PPSP-6-S-20250115	C31398	0.837	ND		ND	0.626			ND	1.16	ND
PPSP-5-S-20250115	C38922	0.790			ND	0.460	J		ND	1.09	
PPSP-4-S-20250115	C01323	0.842			ND	0.615	J		ND	1.17	
PPSP-3-S-20250115	B49561	0.784			ND	0.557	J		ND	1.06	
PPSP-2-S-20250115	C20511	0.846			ND	0.473	J		ND	0.978	
PPSP-1-S-20250115	B20287	0.954			ND	0.439	J		ND	0.975	
PPSP-1-B-20250115	C16156				ND		ND		ND		
PPSP-13-S-20250115	C37444	0.918			ND	0.343	J		ND	0.836	
PPSP-12-S-20250115	C40677	1.27			ND	0.493	J		ND	1.06	
PPSP-11-S-20250115	B14264	1.52			ND	0.361	J		ND	1.17	
PPSP-10-S-20250115	C43672	1.06			ND	0.668			ND	1.10	
PPSP-9-S-20250115	B47831	1.02			ND	0.463	J		ND	1.04	
PPSP-8-S-20250115	B35455	0.795			ND	0.471	J		ND	1.10	
PPSP-8-D-20250115	C24117	0.793			ND	0.462	J		ND	1.06	
PPSP-7-S-20250115	B46246	0.827			ND	0.606	J		ND	1.18	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250115	C31398	0.837	0.262	10.7	21.7	0.635	20,129	0.196	0.413	0.0613	0.129	
PPSP-5-S-20250115	C38922	0.790	0.247	10.1	21.7	0.635	20,127	0.196	0.413	0.0613	0.129	
PPSP-4-S-20250115	C01323	0.842	0.264	10.8	21.7	0.635	20,125	0.196	0.413	0.0613	0.129	
PPSP-3-S-20250115	B49561	0.784	0.246	10.0	21.7	0.635	20,125	0.196	0.413	0.0613	0.129	
PPSP-2-S-20250115	C20511	0.846	0.265	10.8	21.7	0.635	20,124	0.196	0.413	0.0613	0.129	
PPSP-1-S-20250115	B20287	0.954	0.299	12.2	21.7	0.635	20,123	0.196	0.413	0.0613	0.129	
PPSP-1-B-20250115	C16156				21.7	0.635	20,123	0.196	0.413	0.0613	0.129	ND
PPSP-13-S-20250115	C37444	0.918	0.288	11.7	21.7	0.635	20,122	0.196	0.413	0.0613	0.129	
PPSP-12-S-20250115	C40677	1.27	0.398	16.2	21.7	0.635	20,122	0.196	0.413	0.0613	0.129	
PPSP-11-S-20250115	B14264	1.52	0.476	19.4	21.7	0.635	20,121	0.196	0.413	0.0613	0.129	
PPSP-10-S-20250115	C43672	1.06	0.332	13.5	21.7	0.635	20,119	0.196	0.413	0.0613	0.129	
PPSP-9-S-20250115	B47831	1.02	0.318	13.0	21.7	0.635	20,117	0.196	0.413	0.0613	0.129	
PPSP-8-S-20250115	B35455	0.795	0.249	10.1	21.7	0.635	20,116	0.196	0.413	0.0613	0.129	
PPSP-8-D-20250115	C24117	0.793	0.249	10.1	21.7	0.635	20,116	0.196	0.413	0.0613	0.129	
PPSP-7-S-20250115	B46246	0.827	0.259	10.6	21.7	0.635	20,116	0.196	0.413	0.0613	0.129	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250115	C31398				21.7	0.436	20,129	0.285	0.618	0.0657	0.142	ND
PPSP-5-S-20250115	C38922				21.7	0.436	20,127	0.285	0.618	0.0657	0.142	ND
PPSP-4-S-20250115	C01323				21.7	0.436	20,125	0.285	0.618	0.0657	0.142	ND
PPSP-3-S-20250115	B49561				21.7	0.436	20,125	0.285	0.618	0.0657	0.142	ND
PPSP-2-S-20250115	C20511				21.7	0.436	20,124	0.285	0.618	0.0657	0.142	ND
PPSP-1-S-20250115	B20287				21.7	0.436	20,123	0.285	0.618	0.0657	0.142	ND
PPSP-1-B-20250115	C16156				21.7	0.436	20,123	0.285	0.618	0.0657	0.142	ND
PPSP-13-S-20250115	C37444				21.7	0.436	20,122	0.285	0.618	0.0657	0.142	ND
PPSP-12-S-20250115	C40677				21.7	0.436	20,122	0.285	0.618	0.0657	0.142	ND
PPSP-11-S-20250115	B14264				21.7	0.436	20,121	0.285	0.618	0.0657	0.142	ND
PPSP-10-S-20250115	C43672				21.7	0.436	20,119	0.285	0.618	0.0657	0.143	ND
PPSP-9-S-20250115	B47831				21.7	0.436	20,117	0.285	0.618	0.0657	0.143	ND
PPSP-8-S-20250115	B35455				21.7	0.436	20,116	0.285	0.618	0.0657	0.143	ND
PPSP-8-D-20250115	C24117				21.7	0.436	20,116	0.285	0.618	0.0657	0.143	ND
PPSP-7-S-20250115	B46246				21.7	0.436	20,116	0.285	0.618	0.0657	0.143	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250115	C31398	0.626	0.144	5.49	21.7	0.436	20,129	0.285	0.622	0.0657	0.143	
PPSP-5-S-20250115	C38922	0.460	0.106	4.03	21.7	0.436	20,127	0.285	0.622	0.0657	0.143	J
PPSP-4-S-20250115	C01323	0.615	0.142	5.39	21.7	0.436	20,125	0.285	0.622	0.0657	0.143	J
PPSP-3-S-20250115	B49561	0.557	0.128	4.89	21.7	0.436	20,125	0.285	0.622	0.0657	0.143	J
PPSP-2-S-20250115	C20511	0.473	0.109	4.14	21.7	0.436	20,124	0.285	0.622	0.0657	0.143	J
PPSP-1-S-20250115	B20287	0.439	0.101	3.85	21.7	0.436	20,123	0.285	0.622	0.0657	0.143	J
PPSP-1-B-20250115	C16156				21.7	0.436	20,123	0.285	0.622	0.0657	0.143	ND
PPSP-13-S-20250115	C37444	0.343	0.0790	3.00	21.7	0.436	20,122	0.285	0.622	0.0657	0.143	J
PPSP-12-S-20250115	C40677	0.493	0.114	4.32	21.7	0.436	20,122	0.285	0.622	0.0657	0.143	J
PPSP-11-S-20250115	B14264	0.361	0.0832	3.17	21.7	0.436	20,121	0.285	0.622	0.0657	0.143	J
PPSP-10-S-20250115	C43672	0.668	0.154	5.86	21.7	0.436	20,119	0.285	0.622	0.0657	0.143	
PPSP-9-S-20250115	B47831	0.463	0.107	4.06	21.7	0.436	20,117	0.285	0.622	0.0657	0.143	J
PPSP-8-S-20250115	B35455	0.471	0.109	4.13	21.7	0.436	20,116	0.285	0.623	0.0657	0.143	J
PPSP-8-D-20250115	C24117	0.462	0.106	4.05	21.7	0.436	20,116	0.285	0.623	0.0657	0.143	J
PPSP-7-S-20250115	B46246	0.606	0.140	5.31	21.7	0.436	20,116	0.285	0.623	0.0657	0.143	J

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250115	C31398				21.7	0.436	20,129	0.285	0.626	0.0657	0.144	ND
PPSP-5-S-20250115	C38922				21.7	0.436	20,127	0.285	0.626	0.0657	0.144	ND
PPSP-4-S-20250115	C01323				21.7	0.436	20,125	0.285	0.626	0.0657	0.144	ND
PPSP-3-S-20250115	B49561				21.7	0.436	20,125	0.285	0.626	0.0657	0.144	ND
PPSP-2-S-20250115	C20511				21.7	0.436	20,124	0.285	0.626	0.0657	0.144	ND
PPSP-1-S-20250115	B20287				21.7	0.436	20,123	0.285	0.626	0.0657	0.144	ND
PPSP-1-B-20250115	C16156				21.7	0.436	20,123	0.285	0.626	0.0657	0.144	ND
PPSP-13-S-20250115	C37444				21.7	0.436	20,122	0.285	0.626	0.0657	0.144	ND
PPSP-12-S-20250115	C40677				21.7	0.436	20,122	0.285	0.626	0.0657	0.144	ND
PPSP-11-S-20250115	B14264				21.7	0.436	20,121	0.285	0.626	0.0657	0.144	ND
PPSP-10-S-20250115	C43672				21.7	0.436	20,119	0.285	0.626	0.0657	0.144	ND
PPSP-9-S-20250115	B47831				21.7	0.436	20,117	0.285	0.626	0.0657	0.144	ND
PPSP-8-S-20250115	B35455				21.7	0.436	20,116	0.285	0.626	0.0657	0.144	ND
PPSP-8-D-20250115	C24117				21.7	0.436	20,116	0.285	0.626	0.0657	0.144	ND
PPSP-7-S-20250115	B46246				21.7	0.436	20,116	0.285	0.626	0.0657	0.144	ND

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

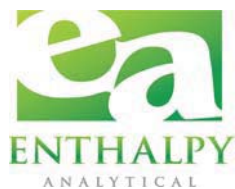
Toluene

Sample Code	Tube ID	Conc (ug/m ³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m ³)	LOQ (ug/m ³)	LOD (ppbv)	LOQ (ppbv)	Flags
PPSP-6-S-20250115	C31398	1.16	0.309	11.5	21.7	0.492	20,129	0.252	0.552	0.0670	0.147	
PPSP-5-S-20250115	C38922	1.09	0.288	10.8	21.7	0.492	20,127	0.252	0.553	0.0670	0.147	
PPSP-4-S-20250115	C01323	1.17	0.310	11.6	21.7	0.492	20,125	0.252	0.553	0.0670	0.147	
PPSP-3-S-20250115	B49561	1.06	0.281	10.5	21.7	0.492	20,125	0.252	0.553	0.0670	0.147	
PPSP-2-S-20250115	C20511	0.978	0.260	9.69	21.7	0.492	20,124	0.252	0.553	0.0670	0.147	
PPSP-1-S-20250115	B20287	0.975	0.259	9.67	21.7	0.492	20,123	0.252	0.553	0.0670	0.147	
PPSP-1-B-20250115	C16156				21.7	0.492	20,123	0.252	0.553	0.0670	0.147	ND
PPSP-13-S-20250115	C37444	0.836	0.222	8.29	21.7	0.492	20,122	0.252	0.553	0.0670	0.147	
PPSP-12-S-20250115	C40677	1.06	0.283	10.5	21.7	0.492	20,122	0.252	0.553	0.0670	0.147	
PPSP-11-S-20250115	B14264	1.17	0.310	11.6	21.7	0.492	20,121	0.252	0.553	0.0670	0.147	
PPSP-10-S-20250115	C43672	1.10	0.293	10.9	21.7	0.492	20,119	0.252	0.553	0.0670	0.147	
PPSP-9-S-20250115	B47831	1.04	0.276	10.3	21.7	0.492	20,117	0.252	0.553	0.0670	0.147	
PPSP-8-S-20250115	B35455	1.10	0.292	10.9	21.7	0.492	20,116	0.252	0.553	0.0670	0.147	
PPSP-8-D-20250115	C24117	1.06	0.281	10.5	21.7	0.492	20,116	0.252	0.553	0.0670	0.147	
PPSP-7-S-20250115	B46246	1.18	0.315	11.7	21.7	0.492	20,116	0.252	0.553	0.0670	0.147	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	PPSP-1-B-20250115	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250115	0.18%	Pass		Pass	2.0%	Pass		Pass	3.8%	Pass

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW103

Custody	Enthalpy Analytical, LLC received the sample tubes on 1/31/25. The samples were received in good condition at a temperature of 12.0 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m³ and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.



Sample Custody



2025FW103



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

☒ Standard Turn Around Time (7 business days)☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, LLC

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C31398	sample	1/15/25	11:05 AM	1/29/25	10:34 AM	JB / JB		
5	C38922	sample	1/15/25	11:13 AM	1/29/25	10:40 AM	JB / JB		
4	C01323	sample	1/15/25	11:19 AM	1/29/25	10:44 AM	JB / JB		
3	B49561	sample	1/15/25	11:24 AM	1/29/25	10:49 AM	JB / JB		
2	C20511	sample	1/15/25	11:30 AM	1/29/25	10:54 AM	JB / JB		
1	B20287	sample	1/15/25	11:35 AM	1/29/25	10:58 AM	JB / JB		
1	C16156	blank	1/15/25	11:35 AM	1/29/25	10:58 AM	JB / JB		
13	C37444	sample	1/15/25	11:40 AM	1/29/25	11:02 AM	JB / JB		

Relinquished By (printed): Jen Bowidowicz	Relinquished By (signature): <i>Jennifer Bowidowicz</i>	Relinquished Date: 1/29/2025	Relinquished Time:
Received By (printed): <i>Abby Browning</i>	Received By (signature): <i>Abby Browning</i>	Receipt Date: 1/31/25	Receipt Time: 10:45
Sample Condition Upon Receipt: Good	Compound List: BTEX	Custody Seal Intact? Y/N: Yes	Delivery tracking #
Ice Temp:	Blank Temp: 12.0	Add Custody Seal # below: 24C107339	
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you			
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com			

2025FW103



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

☒ Standard Turn Around Time (7 business days)☐ Rush Turn Around Time

• All TATs Subject to Approval by Enthalpy Analytical, LLC

• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	C40677	sample	1/15/25	11:47 AM	1/29/25	11:09 AM	JB / JB		
11	B14264	sample	1/15/25	11:52 AM	1/29/25	11:13 AM	JB / JB		
10	C43672	sample	1/15/25	11:58 AM	1/29/25	11:17 AM	JB / JB		
9	B47831	sample	1/15/25	12:04 PM	1/29/25	11:21 AM	JB / JB		
8	B35455	sample	1/15/25	12:11 PM	1/29/25	11:27 AM	JB / JB		
8	C24117	duplicate	1/15/25	12:11 PM	1/29/25	11:27 AM	JB / JB		
7	B46246	sample	1/15/25	12:16 PM	1/29/25	11:32 AM	JB / JB		

Relinquished By (printed): Jen Bowidowicz		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: 1/29/2025		Relinquished Time:	
Received By (printed): <i>Abbey Browning</i>		Received By (signature): <i>Abbey B.</i>		Receipt Date: 1/31/25		Receipt Time: 10:45	
Sample Condition Upon Receipt: Good		Compound List: BTEX		Custody Seal Intact? Y/N: Yes		Delivery tracking #	
Ice Temp:	Blank Temp: 12.0	Fluke 4		Add Custody Seal # below: 246107339			

Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you

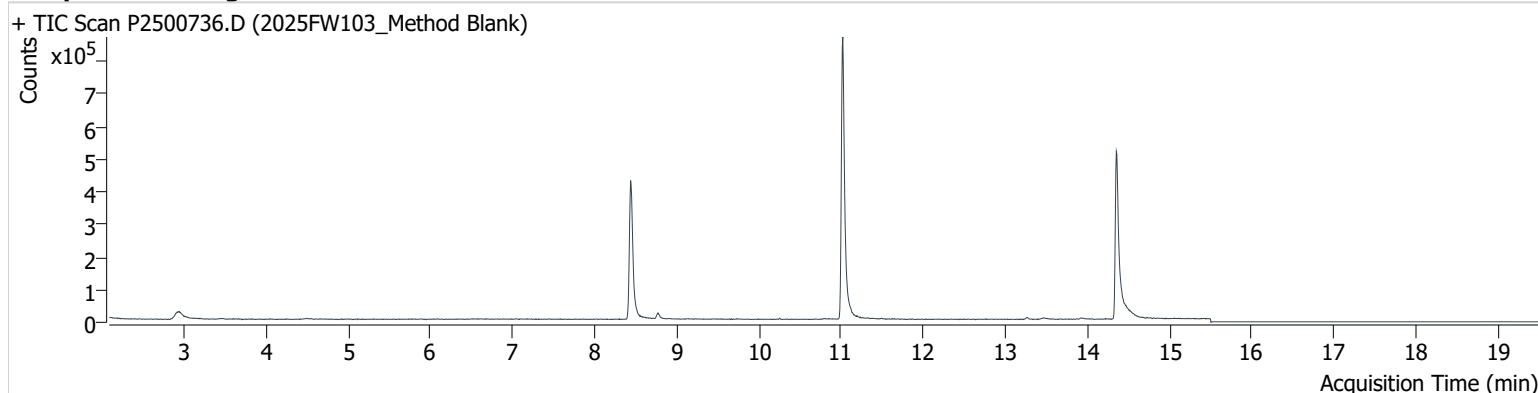
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com

Sample Chromatograms



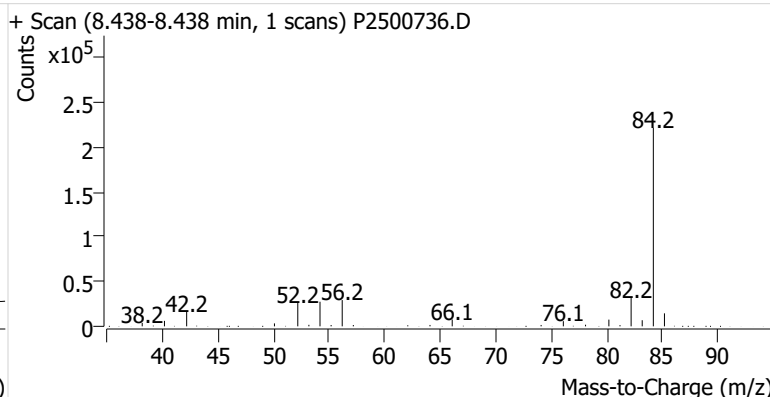
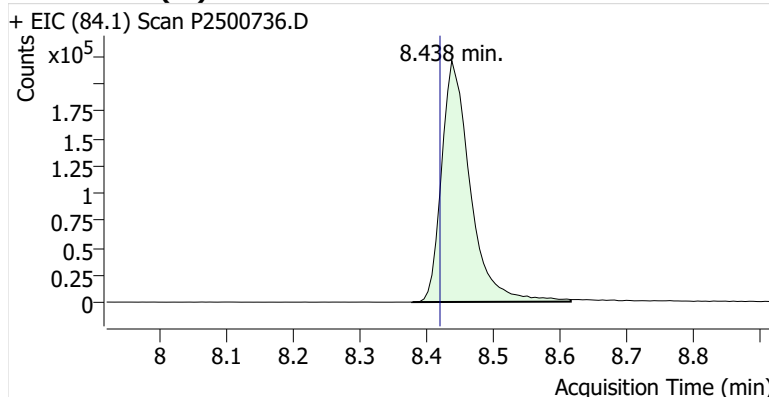
Name 2025FW103_Method Blank
Comment B14922
Data File P2500736.D
Acq. Date-Time 2/1/2025 12:28:42 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

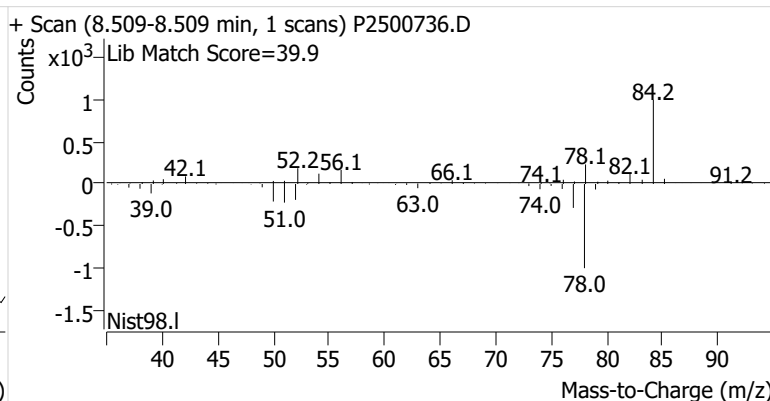
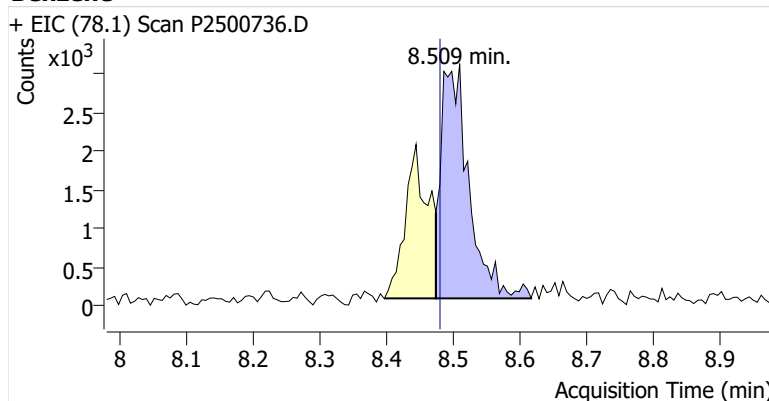


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	660,517	
Benzene	benzene-d6 (IS)	8.509	8.480	8,748	
Toluene-d8 (IS)		11.020	10.990	938,854	
Toluene	Toluene-d8 (IS)	11.109	11.085	12,887	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.216	5,754	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	7,711	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	3,698	

benzene-d6 (IS)

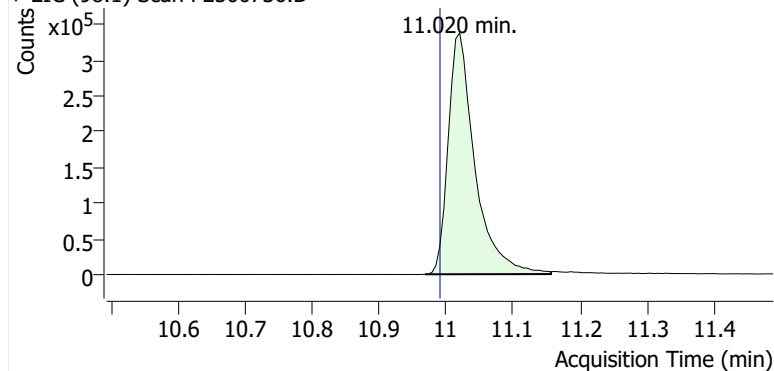


Benzene

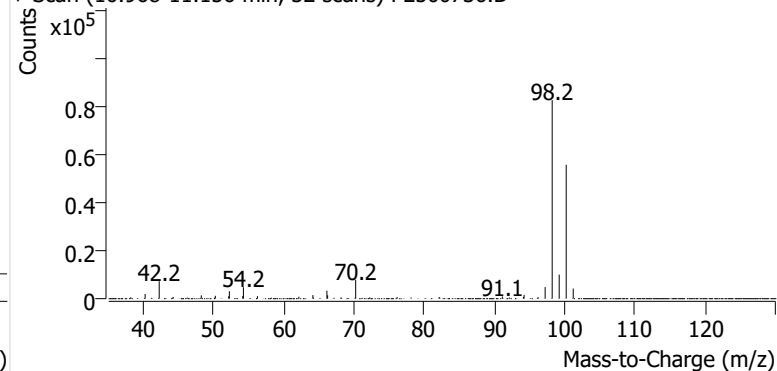


Toluene-d8 (IS)

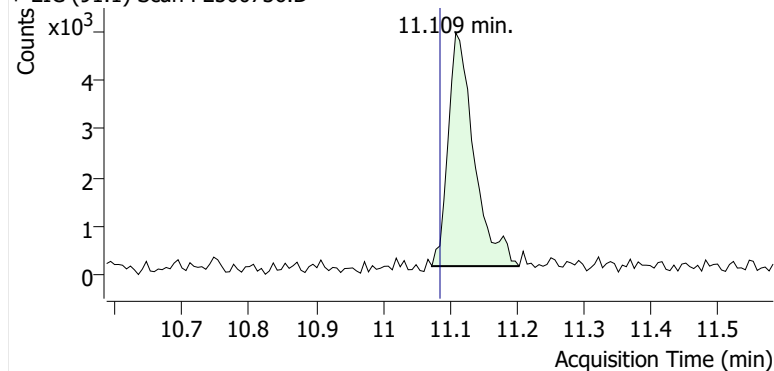
+ EIC (98.1) Scan P2500736.D



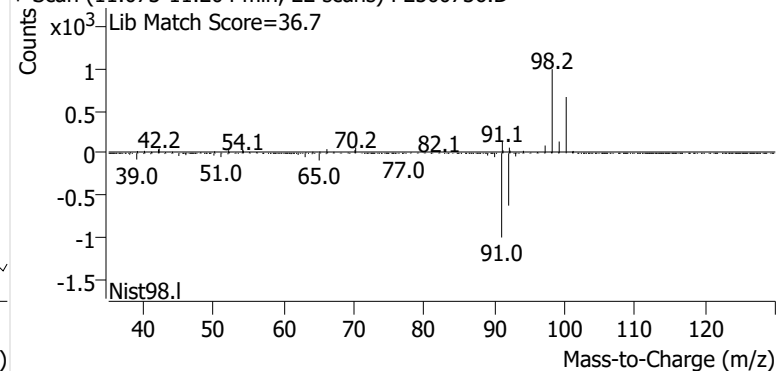
+ Scan (10.968-11.156 min, 32 scans) P2500736.D

**Toluene**

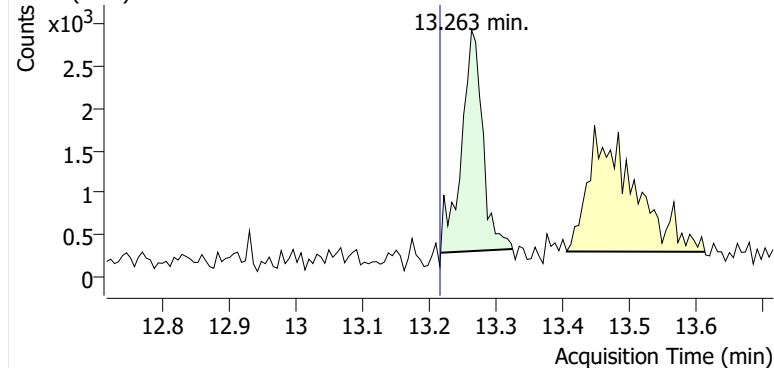
+ EIC (91.1) Scan P2500736.D



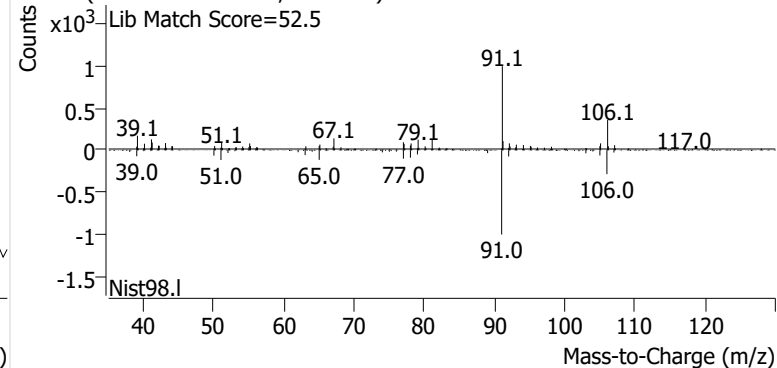
+ Scan (11.073-11.204 min, 22 scans) P2500736.D

**Ethylbenzene**

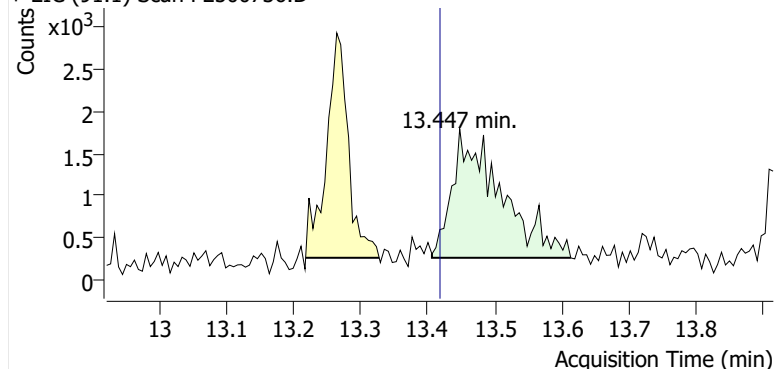
+ EIC (91.1) Scan P2500736.D



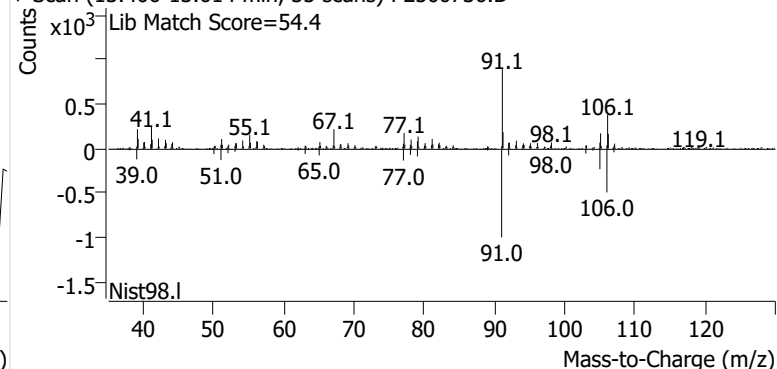
+ Scan (13.217-13.325 min, 18 scans) P2500736.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500736.D

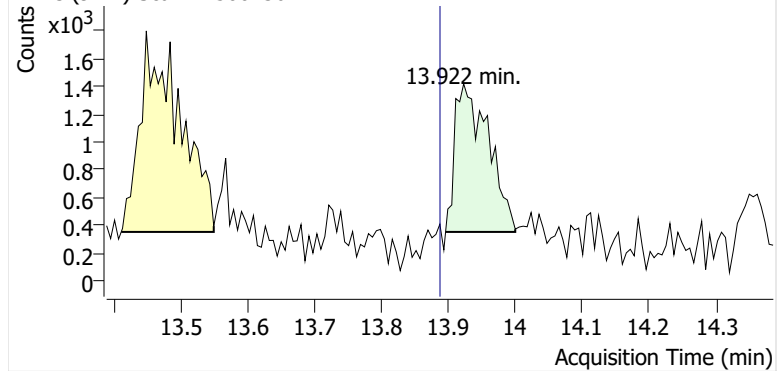


+ Scan (13.406-13.614 min, 35 scans) P2500736.D

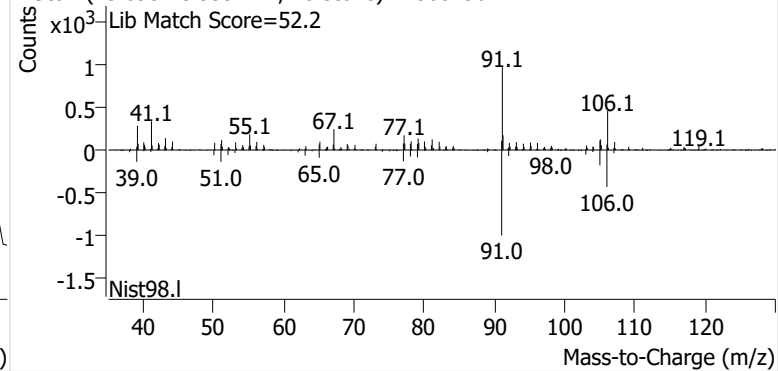


o-Xylene

+ EIC (91.1) Scan P2500736.D

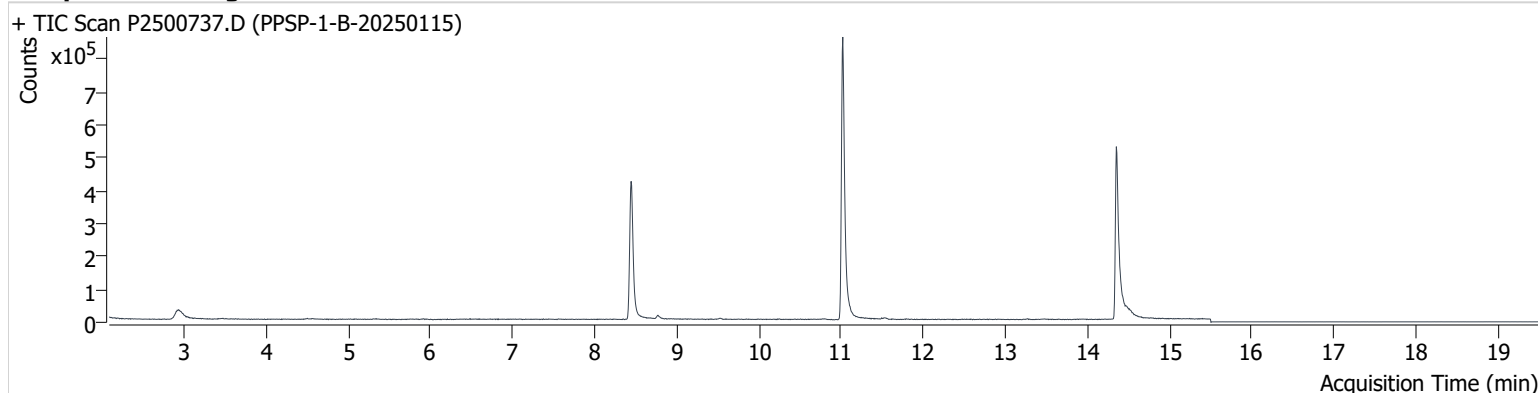


+ Scan (13.895-13.999 min, 18 scans) P2500736.D



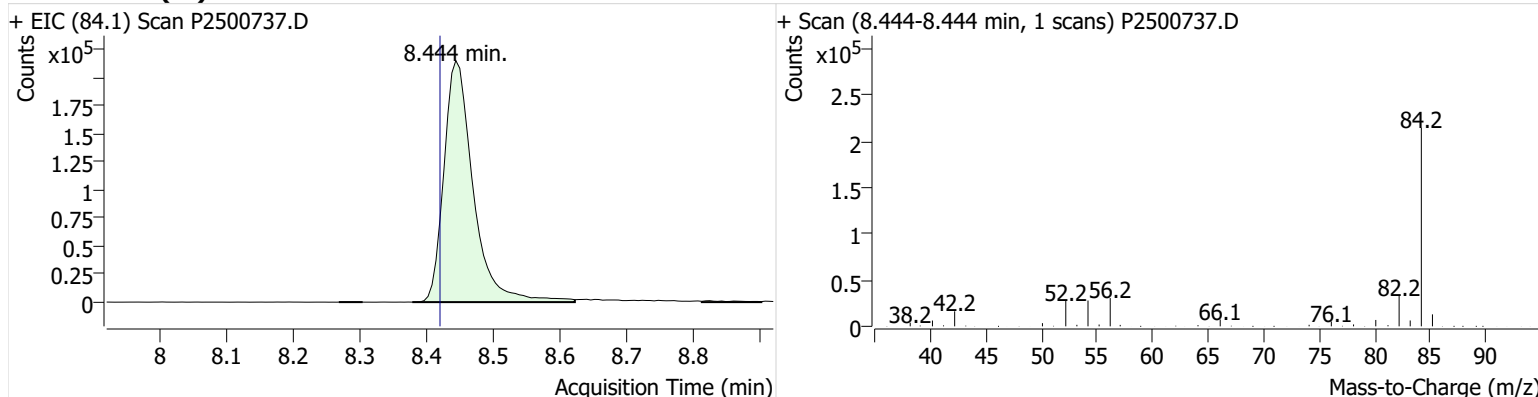
Name PPSP-1-B-20250115
Comment C16156
Data File P2500737.D
Acq. Date-Time 2/1/2025 1:06:33 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

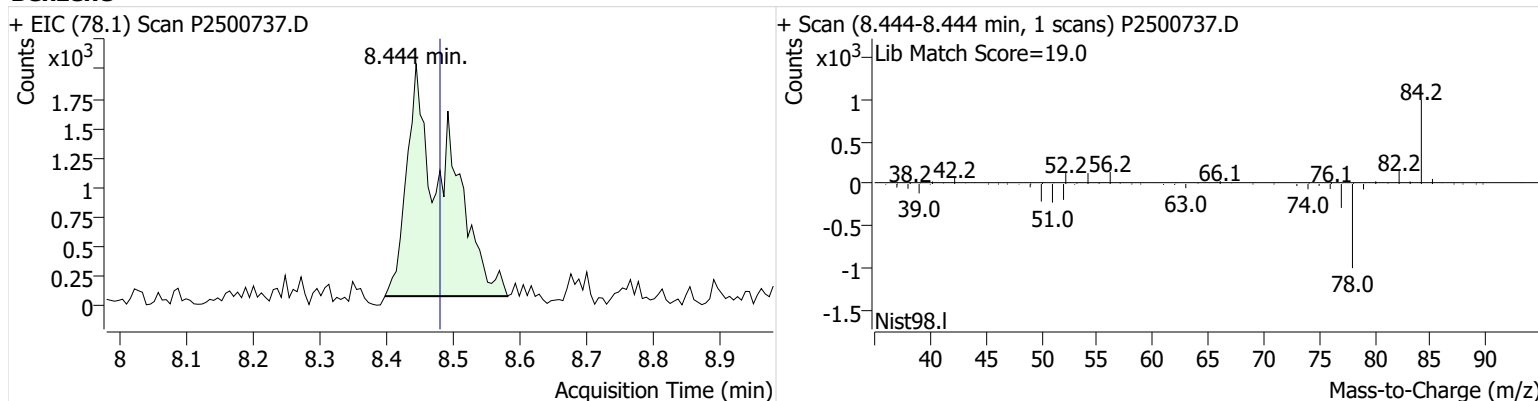


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	654,725	
Benzene	benzene-d6 (IS)	8.444	8.480	7,971	
Toluene-d8 (IS)		11.020	10.990	938,415	
Toluene	Toluene-d8 (IS)	11.109	11.085	5,991	
Ethylbenzene	Toluene-d8 (IS)	13.270	13.216	1,846	
m-/p-Xylenes	Toluene-d8 (IS)	13.471	13.418	2,793	
o-Xylene	Toluene-d8 (IS)	13.928	13.887	1,072	m

benzene-d6 (IS)

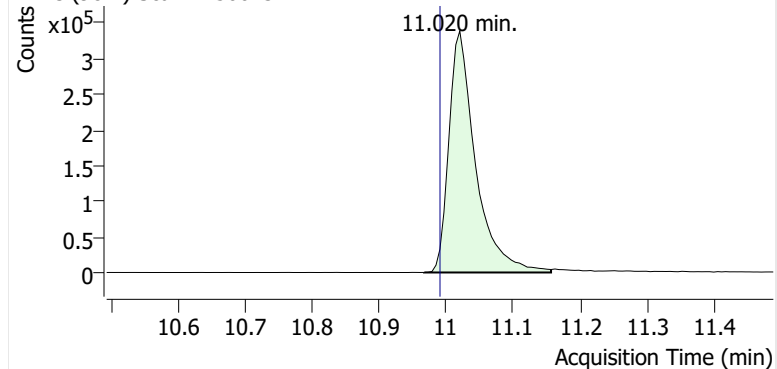


Benzene

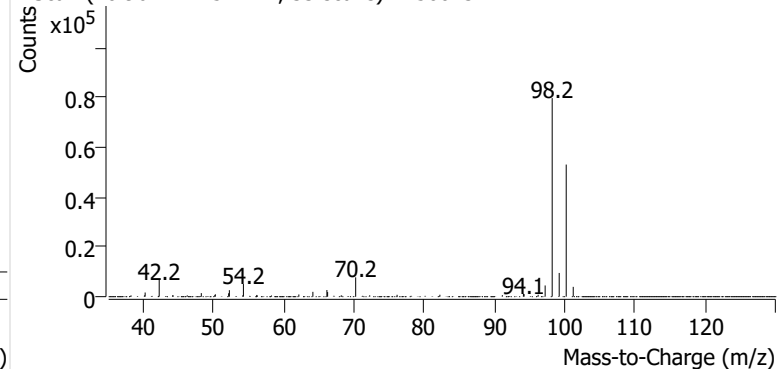


Toluene-d8 (IS)

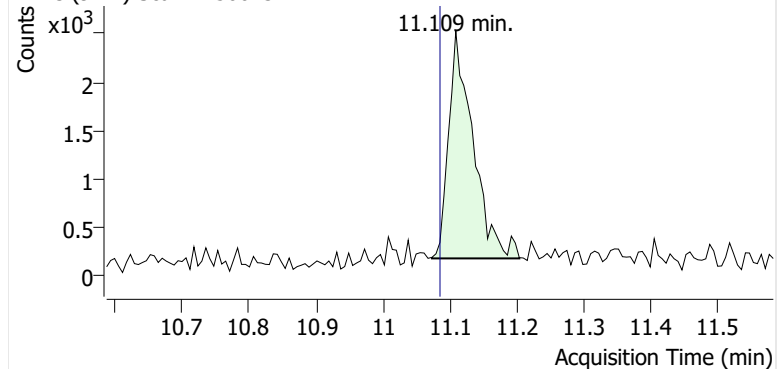
+ EIC (98.1) Scan P2500737.D



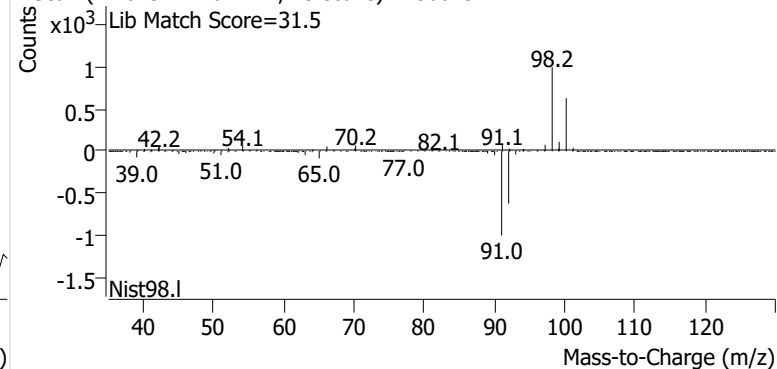
+ Scan (10.967-11.157 min, 33 scans) P2500737.D

**Toluene**

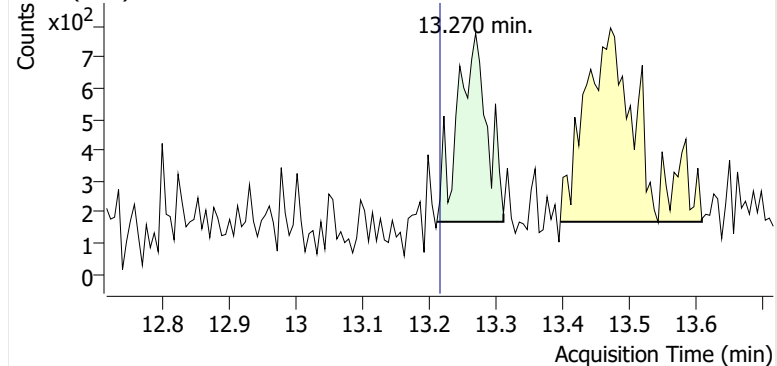
+ EIC (91.1) Scan P2500737.D



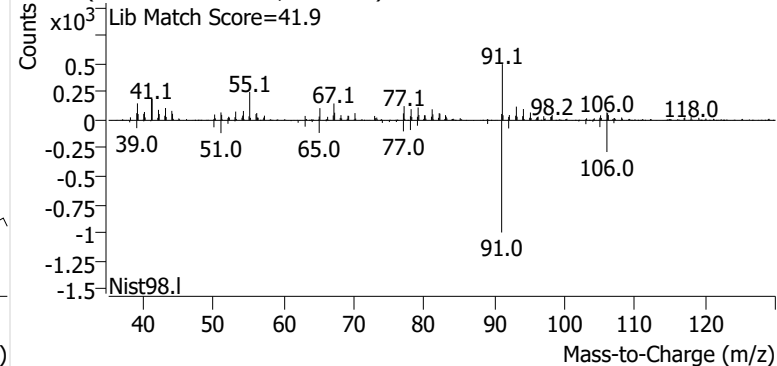
+ Scan (11.073-11.204 min, 23 scans) P2500737.D

**Ethylbenzene**

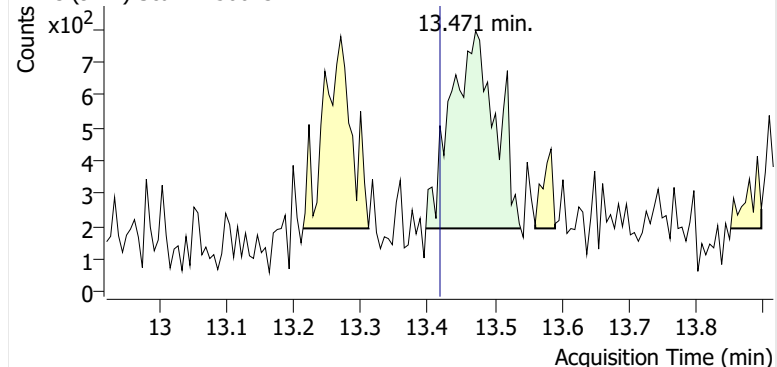
+ EIC (91.1) Scan P2500737.D



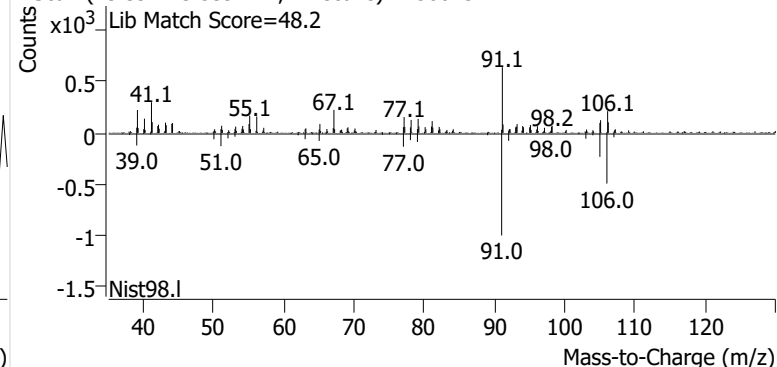
+ Scan (13.211-13.311 min, 17 scans) P2500737.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500737.D

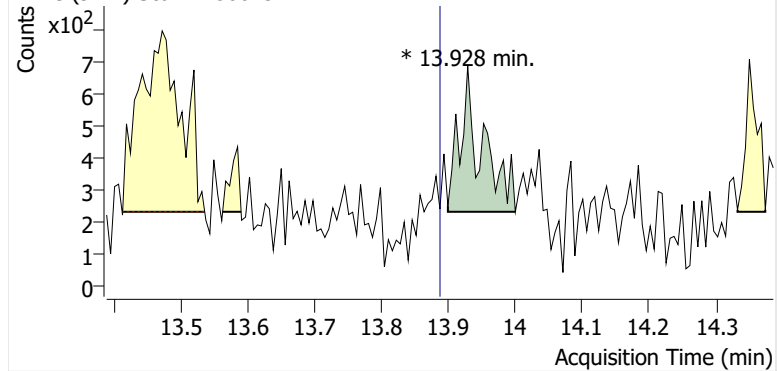


+ Scan (13.397-13.539 min, 24 scans) P2500737.D

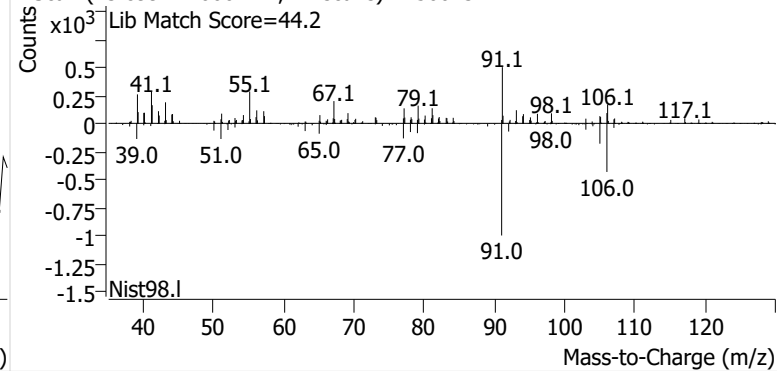


o-Xylene

+ EIC (91.1) Scan P2500737.D

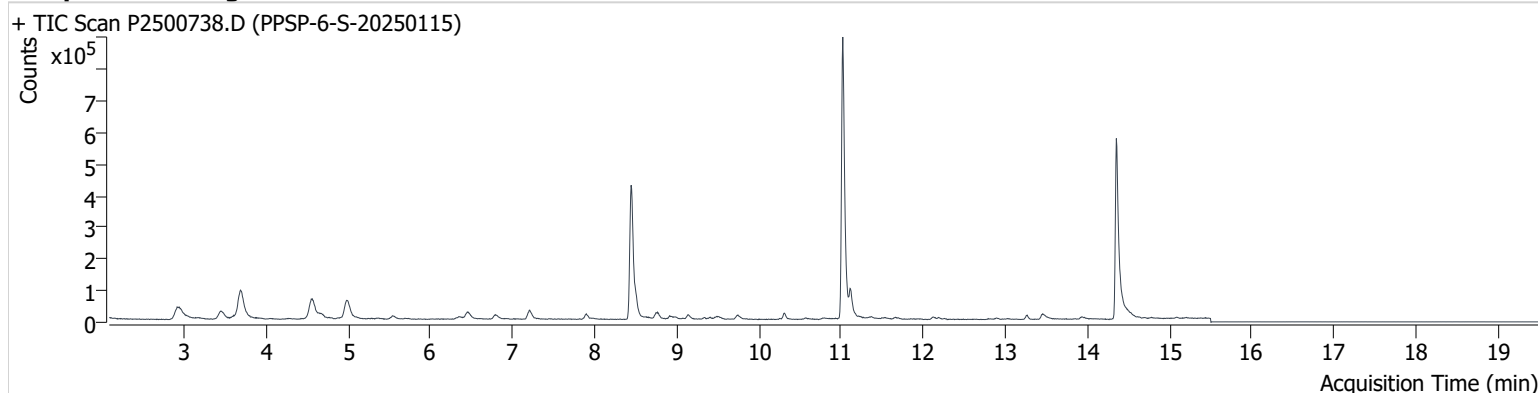


+ Scan (13.899-14.000 min, 17 scans) P2500737.D



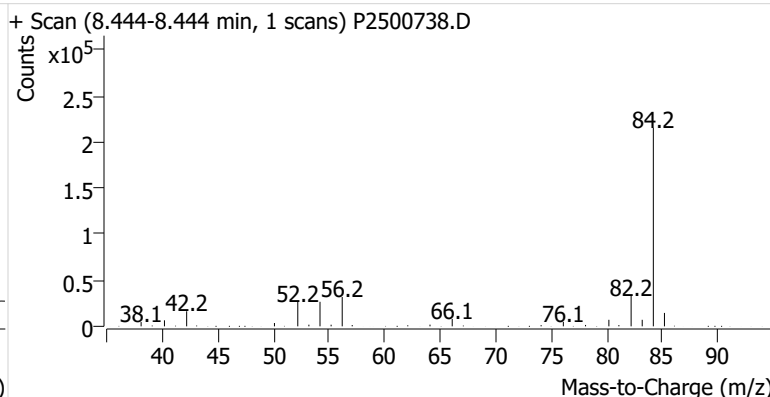
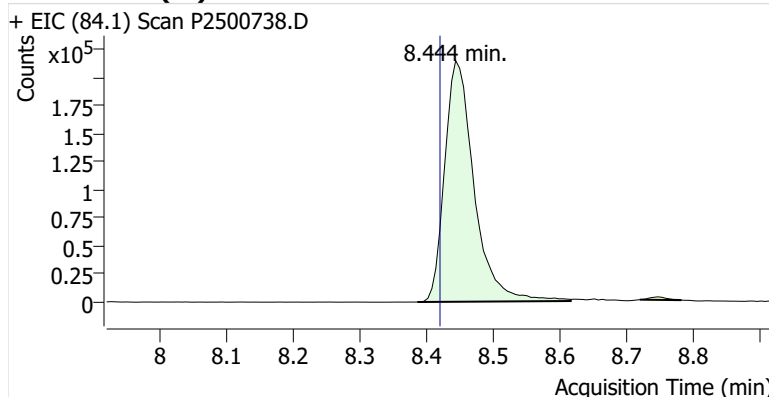
Name PPSP-6-S-20250115
Comment C31398
Data File P2500738.D
Acq. Date-Time 2/1/2025 1:44:35 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

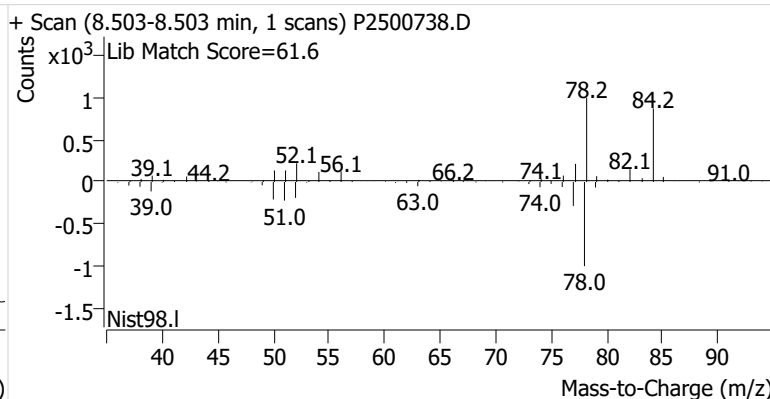
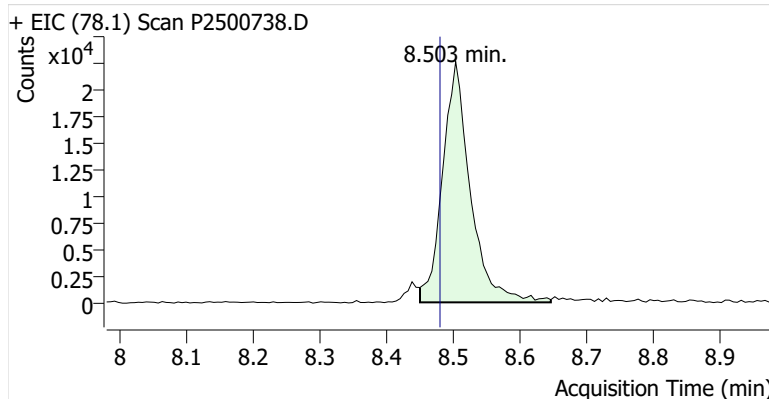


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	658,598	
Benzene	benzene-d6 (IS)	8.503	8.480	65,732	
Toluene-d8 (IS)		11.020	10.990	942,904	
Toluene	Toluene-d8 (IS)	11.115	11.085	82,023	
Ethylbenzene	Toluene-d8 (IS)	13.263	13.216	14,361	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.418	30,694	
o-Xylene	Toluene-d8 (IS)	13.934	13.887	11,162	

benzene-d6 (IS)

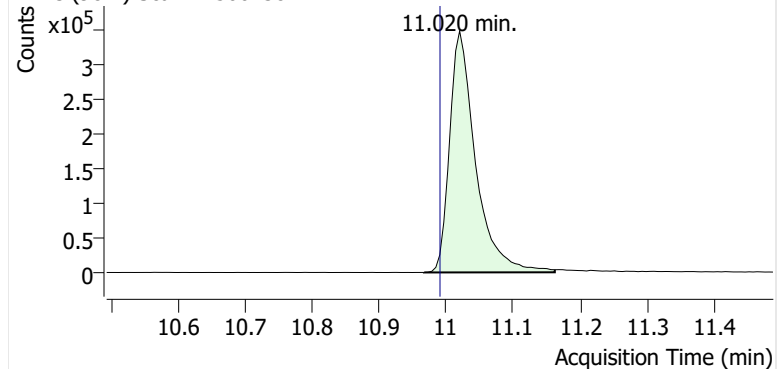


Benzene

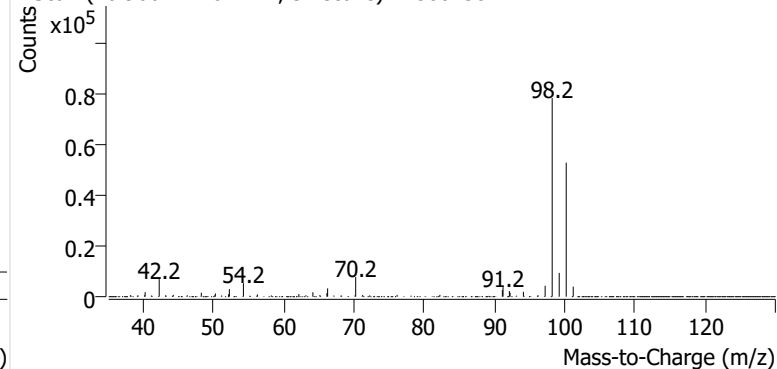


Toluene-d8 (IS)

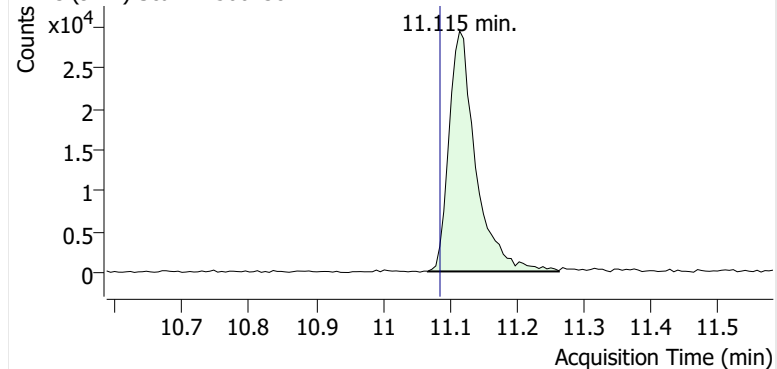
+ EIC (98.1) Scan P2500738.D



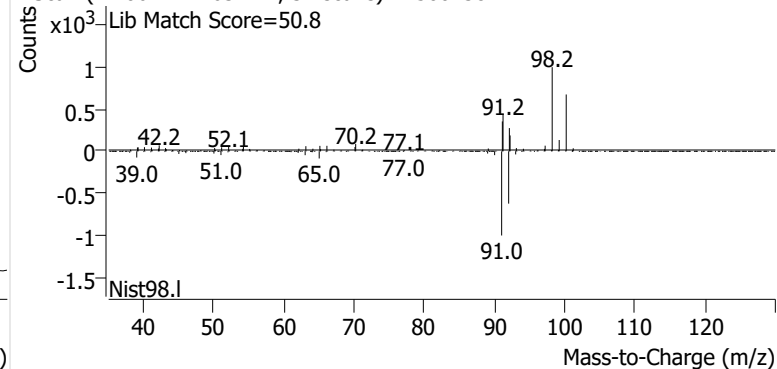
+ Scan (10.966-11.162 min, 34 scans) P2500738.D

**Toluene**

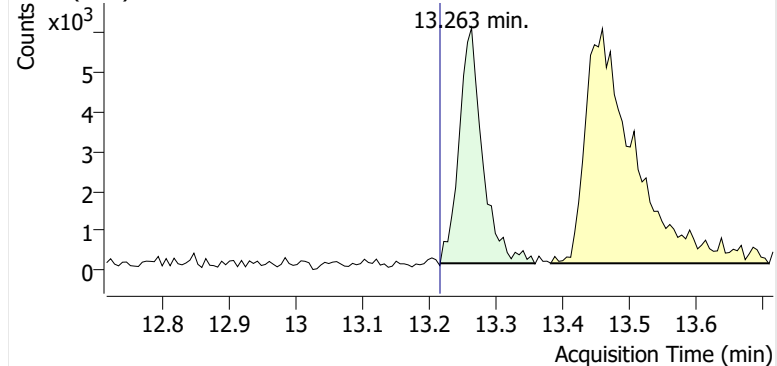
+ EIC (91.1) Scan P2500738.D



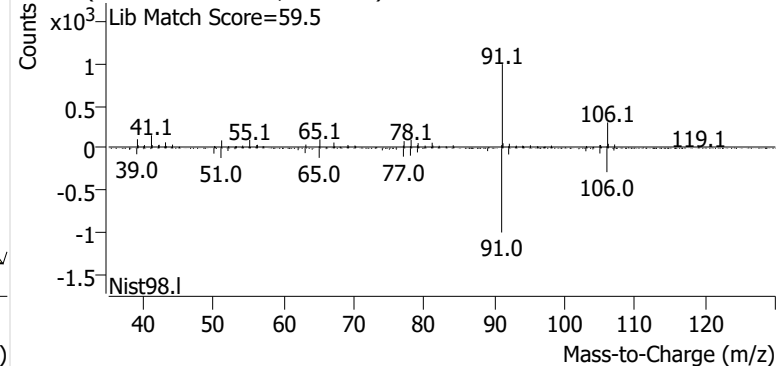
+ Scan (11.067-11.263 min, 34 scans) P2500738.D

**Ethylbenzene**

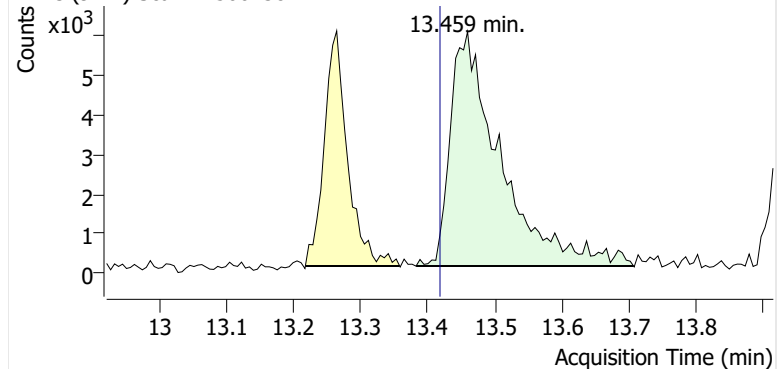
+ EIC (91.1) Scan P2500738.D



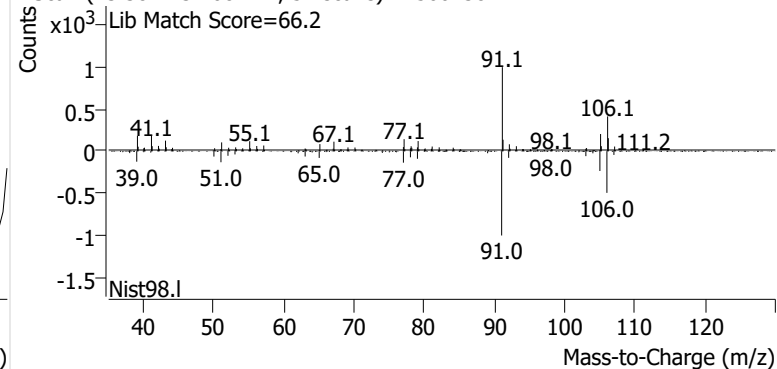
+ Scan (13.216-13.358 min, 23 scans) P2500738.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500738.D

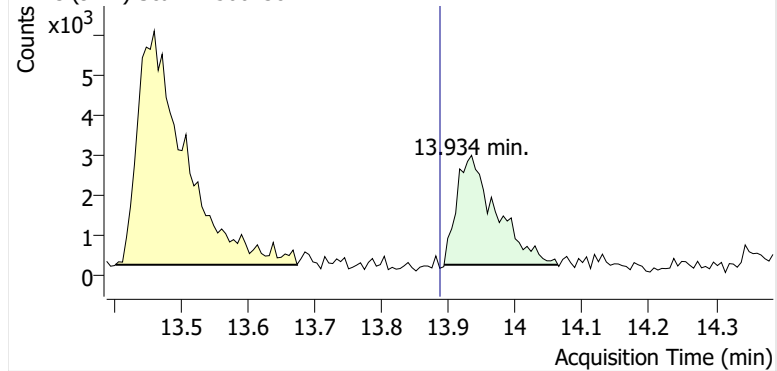


+ Scan (13.382-13.708 min, 54 scans) P2500738.D

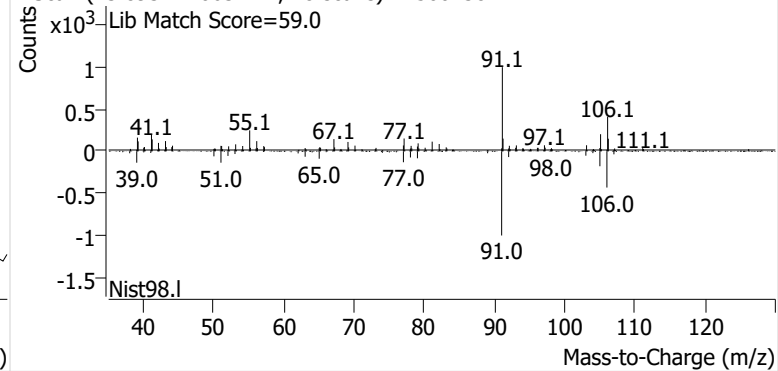


o-Xylene

+ EIC (91.1) Scan P2500738.D

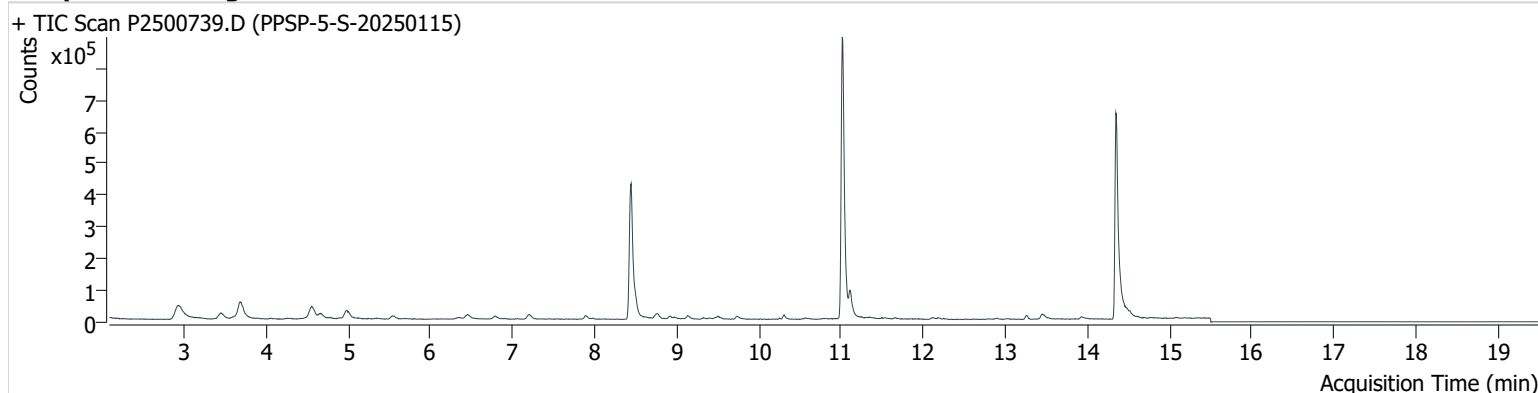


+ Scan (13.893-14.063 min, 28 scans) P2500738.D



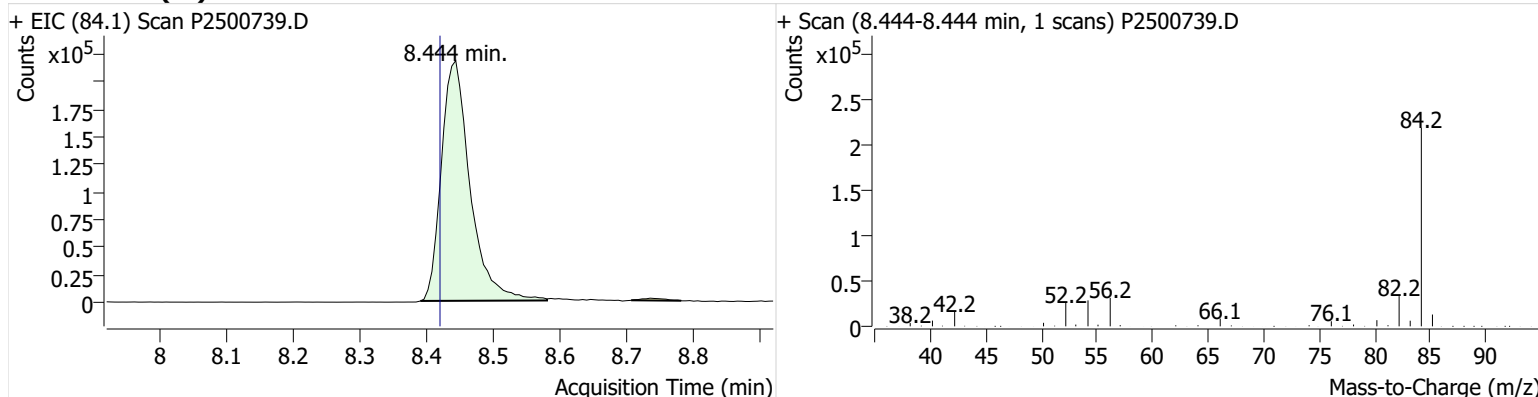
Name PPSP-5-S-20250115
Comment C38922
Data File P2500739.D
Acq. Date-Time 2/1/2025 2:22:27 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

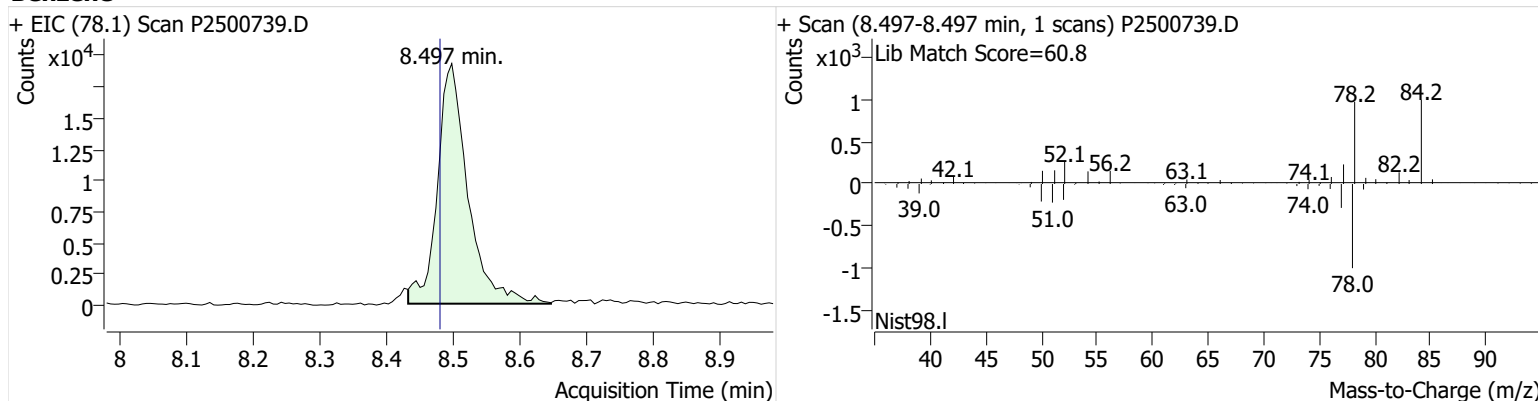


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	651,981	
Benzene	benzene-d6 (IS)	8.497	8.480	61,374	
Toluene-d8 (IS)		11.014	10.990	961,401	
Toluene	Toluene-d8 (IS)	11.115	11.085	78,026	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	12,005	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	22,989	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	10,311	

benzene-d6 (IS)

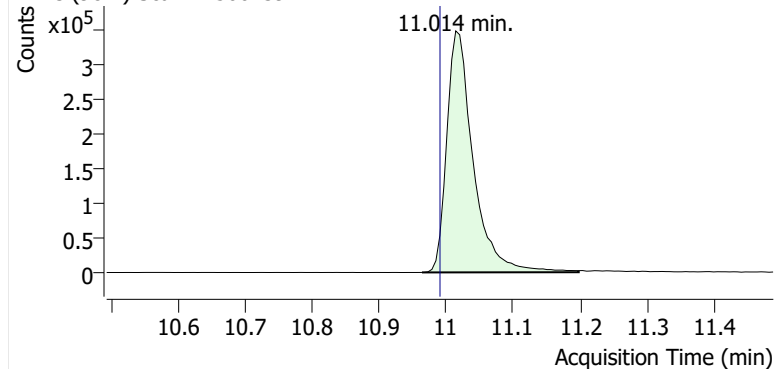


Benzene

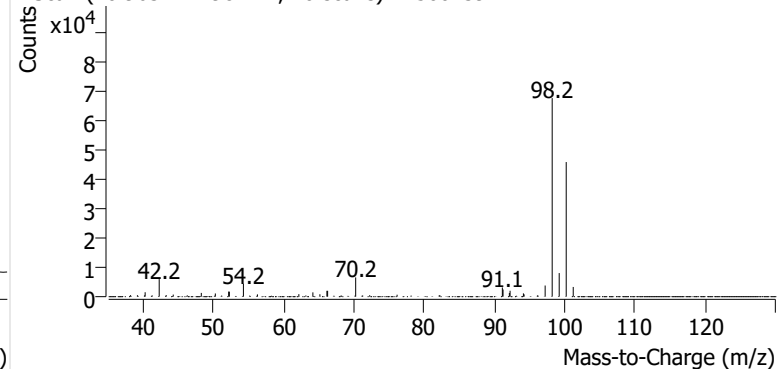


Toluene-d8 (IS)

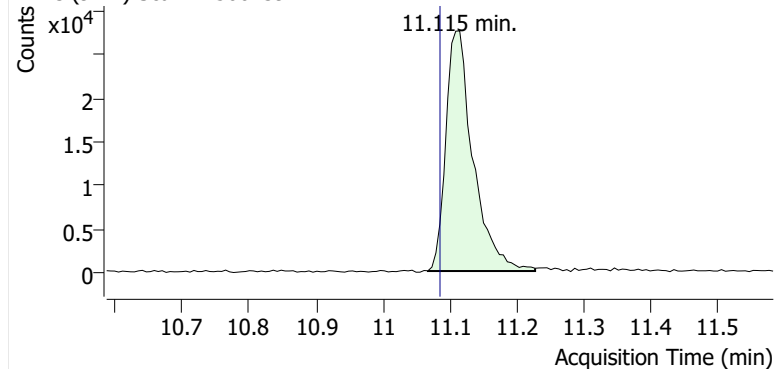
+ EIC (98.1) Scan P2500739.D



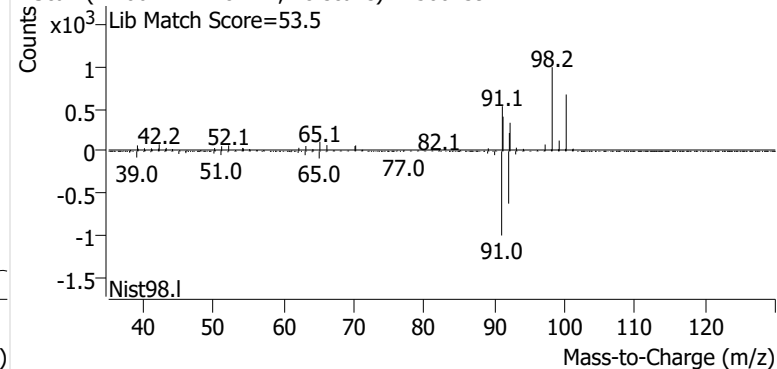
+ Scan (10.963-11.198 min, 40 scans) P2500739.D

**Toluene**

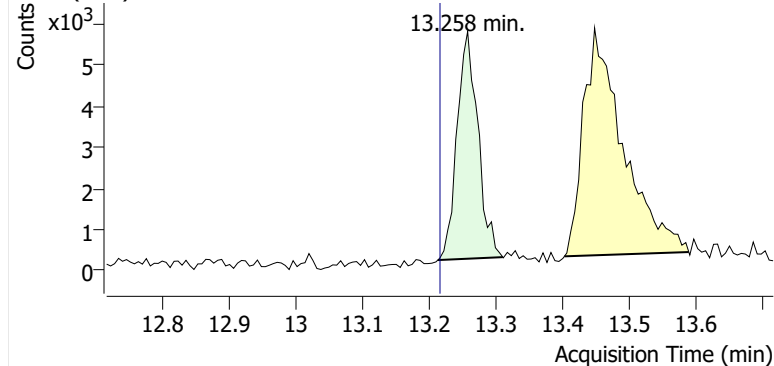
+ EIC (91.1) Scan P2500739.D



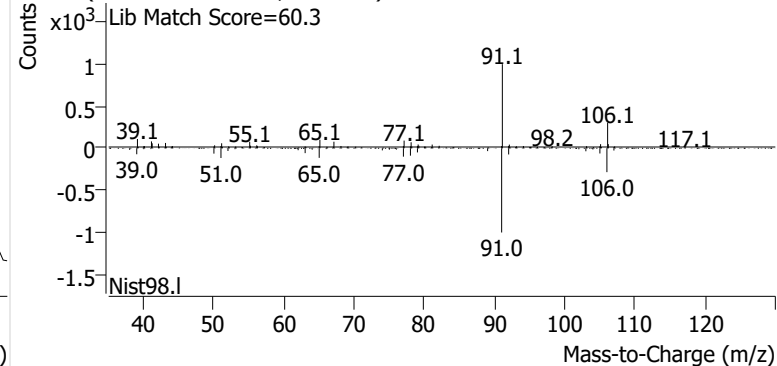
+ Scan (11.067-11.228 min, 28 scans) P2500739.D

**Ethylbenzene**

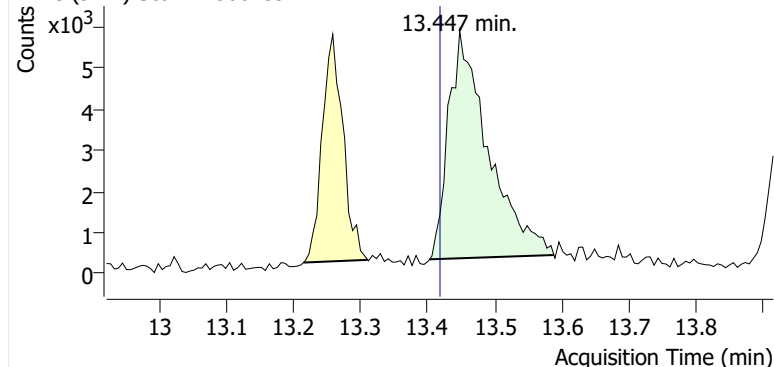
+ EIC (91.1) Scan P2500739.D



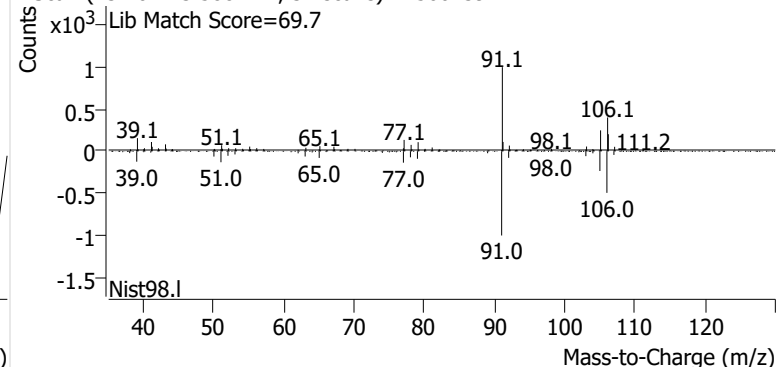
+ Scan (13.213-13.310 min, 16 scans) P2500739.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500739.D

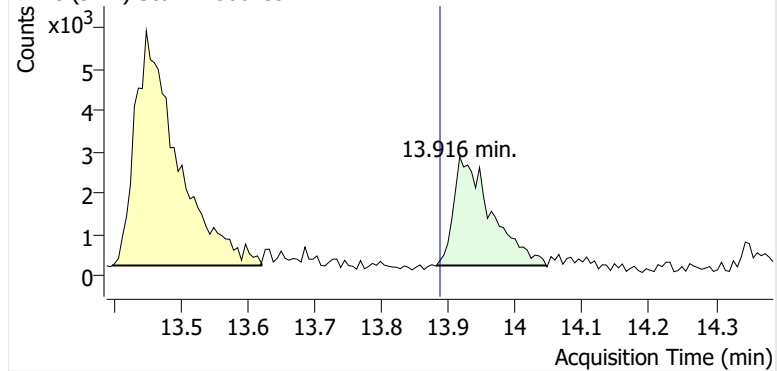


+ Scan (13.402-13.588 min, 31 scans) P2500739.D

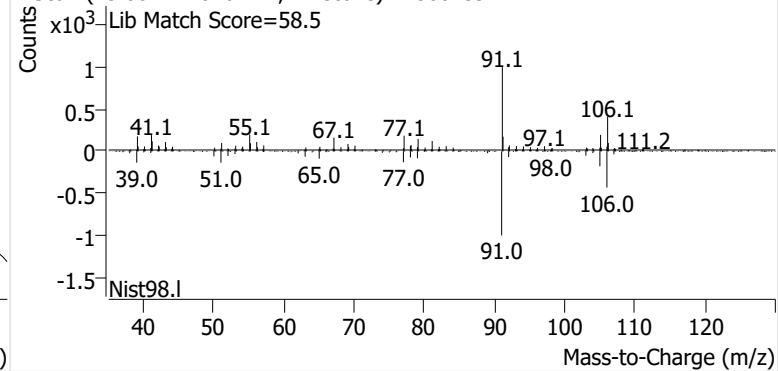


o-Xylene

+ EIC (91.1) Scan P2500739.D

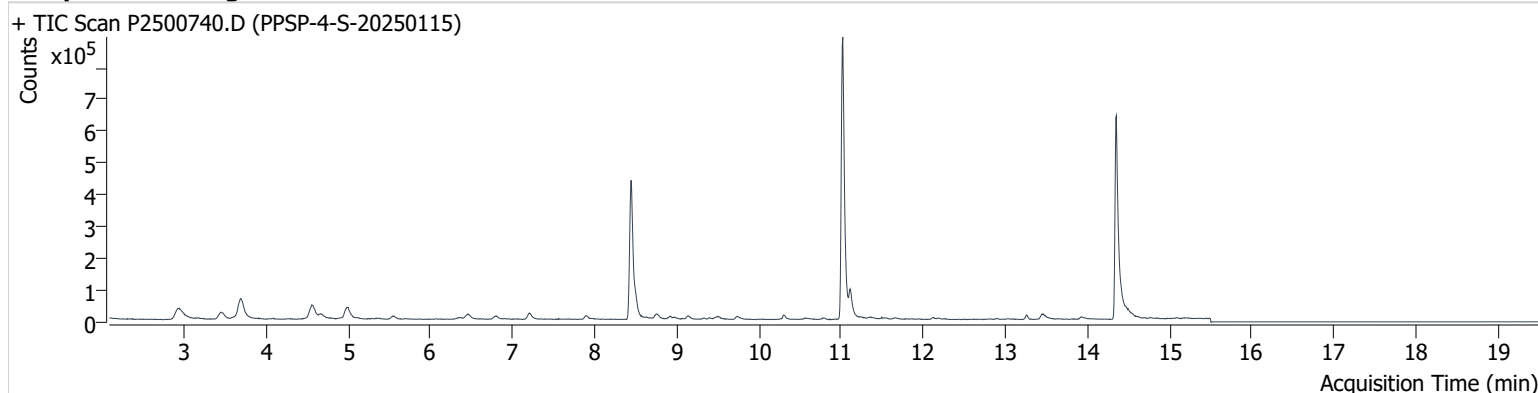


+ Scan (13.881-14.046 min, 27 scans) P2500739.D



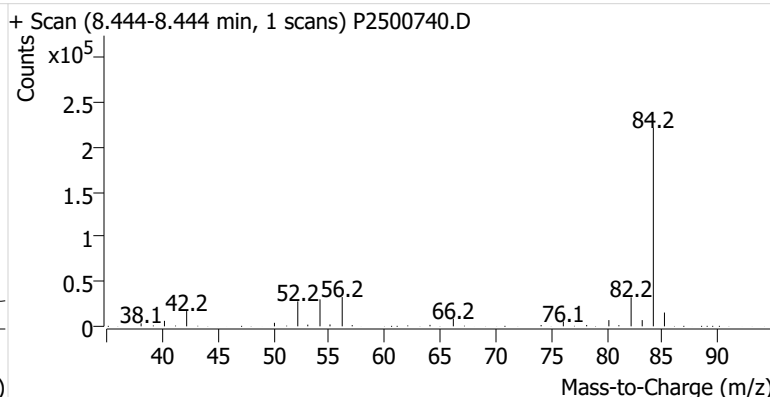
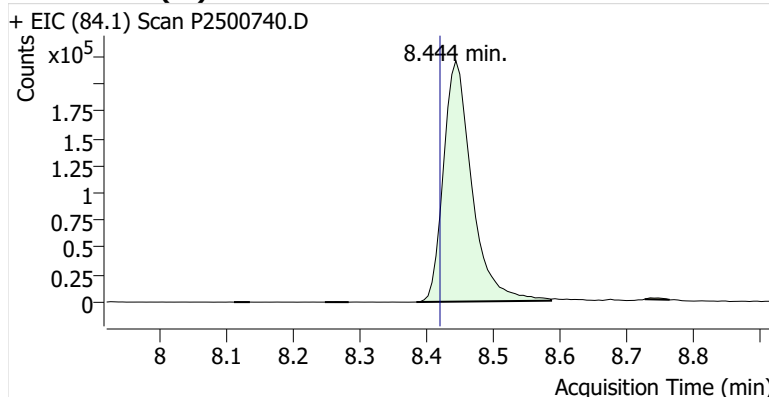
Name PPSP-4-S-20250115
Comment C01323
Data File P2500740.D
Acq. Date-Time 2/1/2025 3:00:17 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

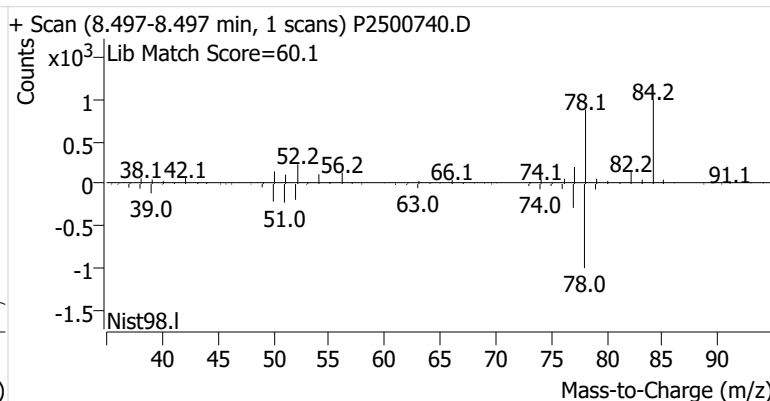
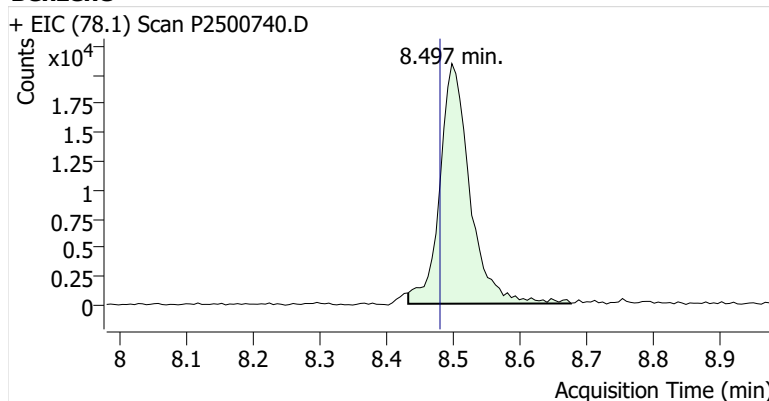


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	653,098	
Benzene	benzene-d6 (IS)	8.497	8.480	65,543	
Toluene-d8 (IS)		11.020	10.990	946,086	
Toluene	Toluene-d8 (IS)	11.109	11.085	82,649	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	13,897	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.418	30,248	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	9,639	

benzene-d6 (IS)

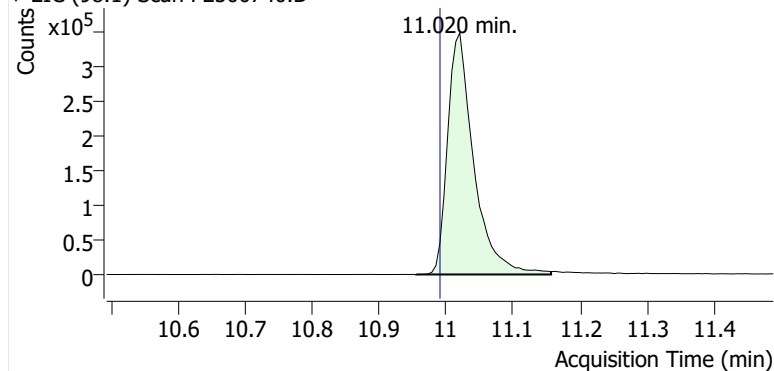


Benzene

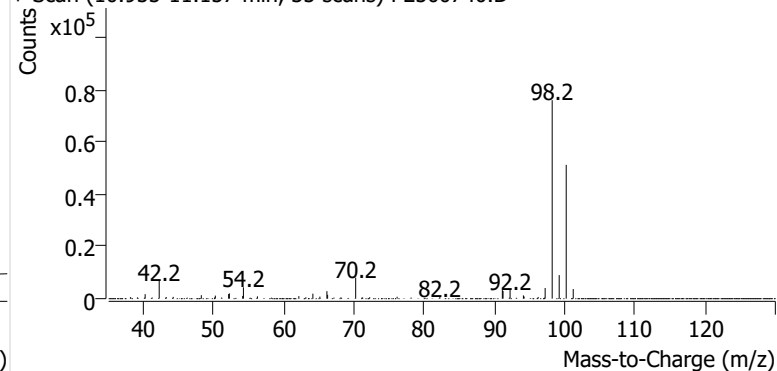


Toluene-d8 (IS)

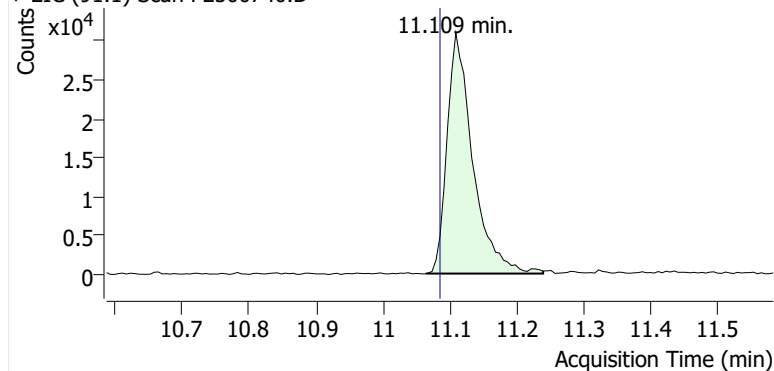
+ EIC (98.1) Scan P2500740.D



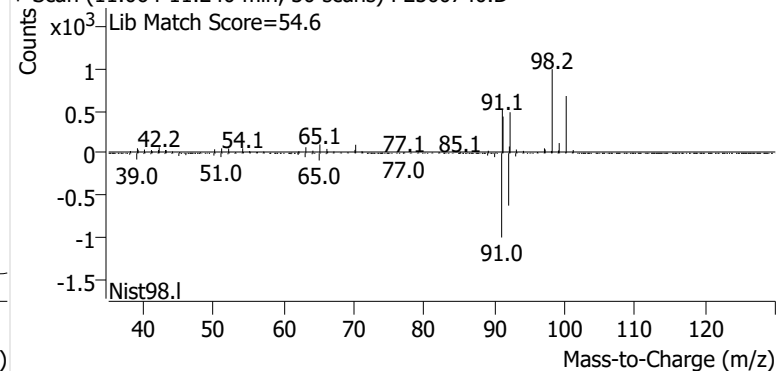
+ Scan (10.955-11.157 min, 35 scans) P2500740.D

**Toluene**

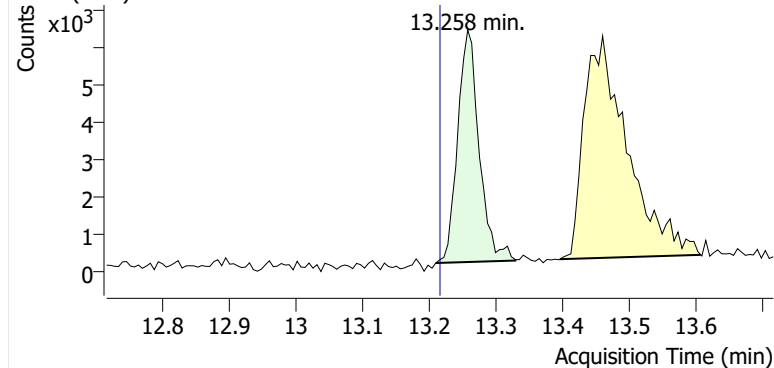
+ EIC (91.1) Scan P2500740.D



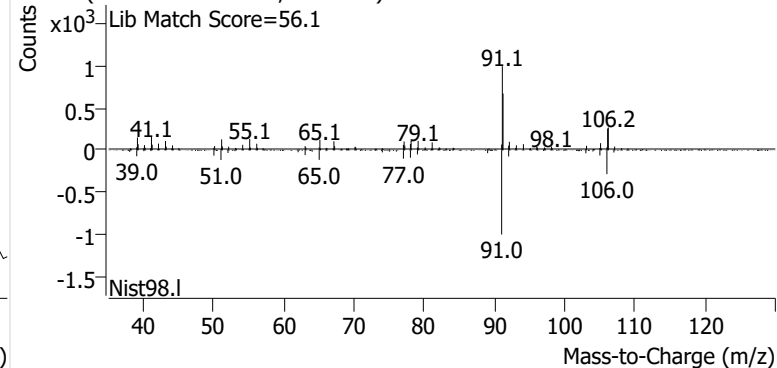
+ Scan (11.064-11.240 min, 30 scans) P2500740.D

**Ethylbenzene**

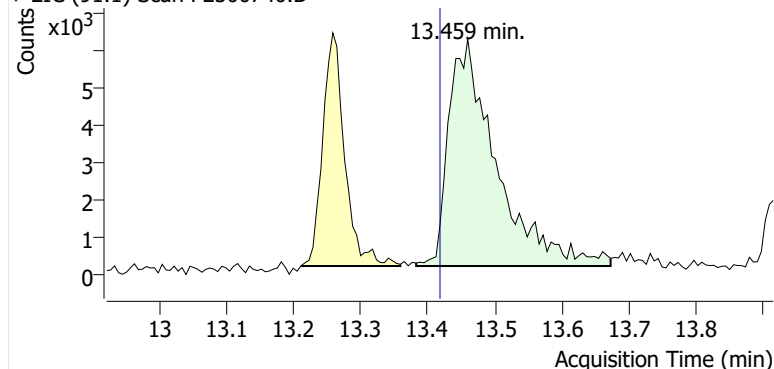
+ EIC (91.1) Scan P2500740.D



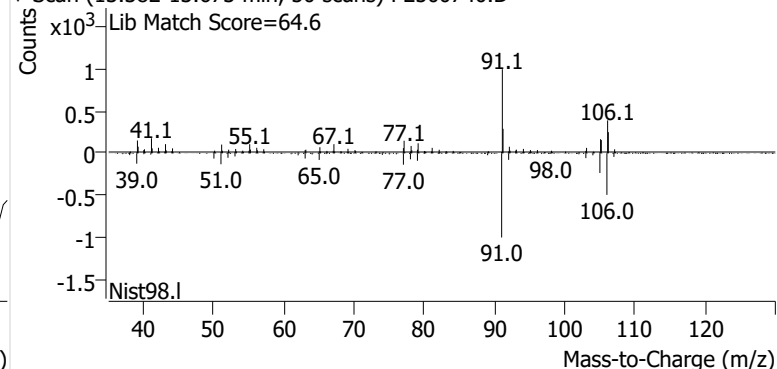
+ Scan (13.210-13.329 min, 21 scans) P2500740.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500740.D

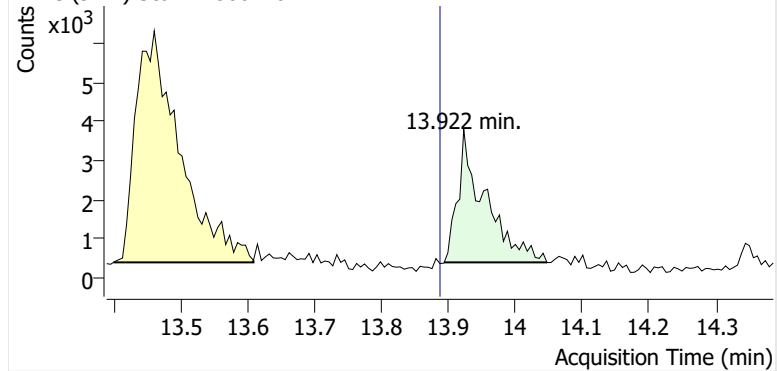


+ Scan (13.382-13.673 min, 50 scans) P2500740.D

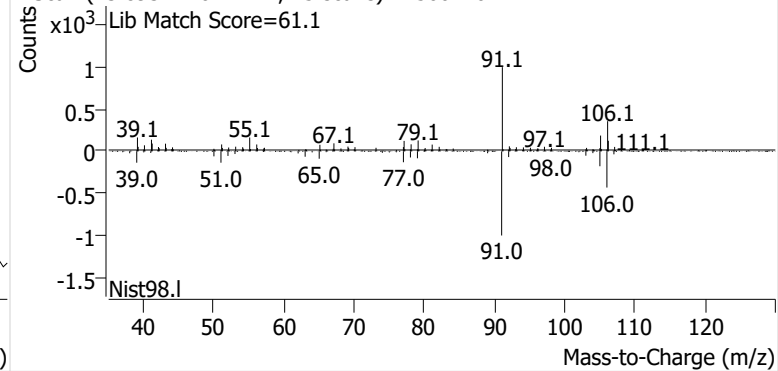


o-Xylene

+ EIC (91.1) Scan P2500740.D

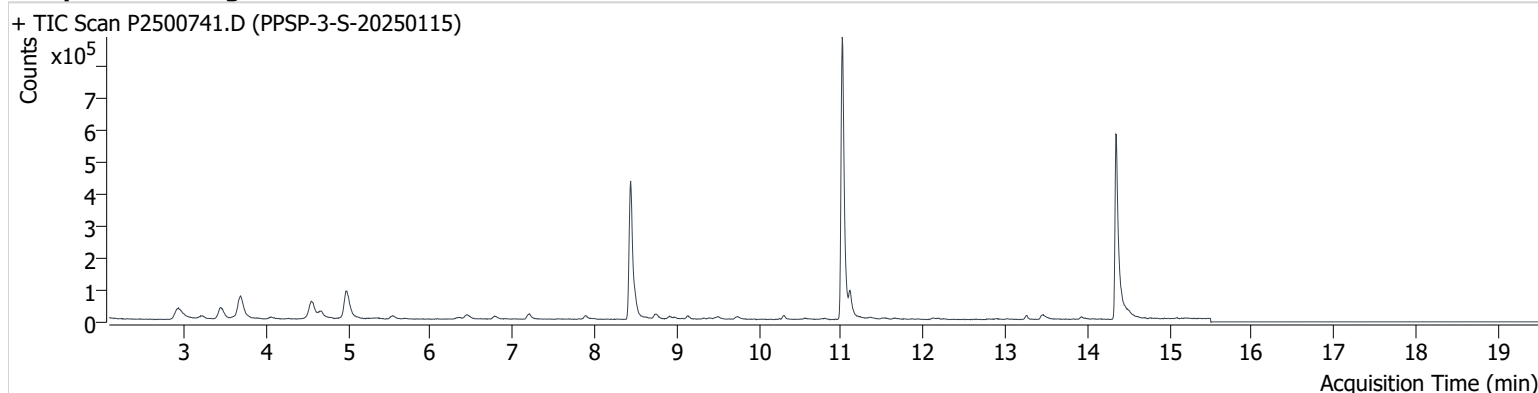


+ Scan (13.893-14.047 min, 25 scans) P2500740.D



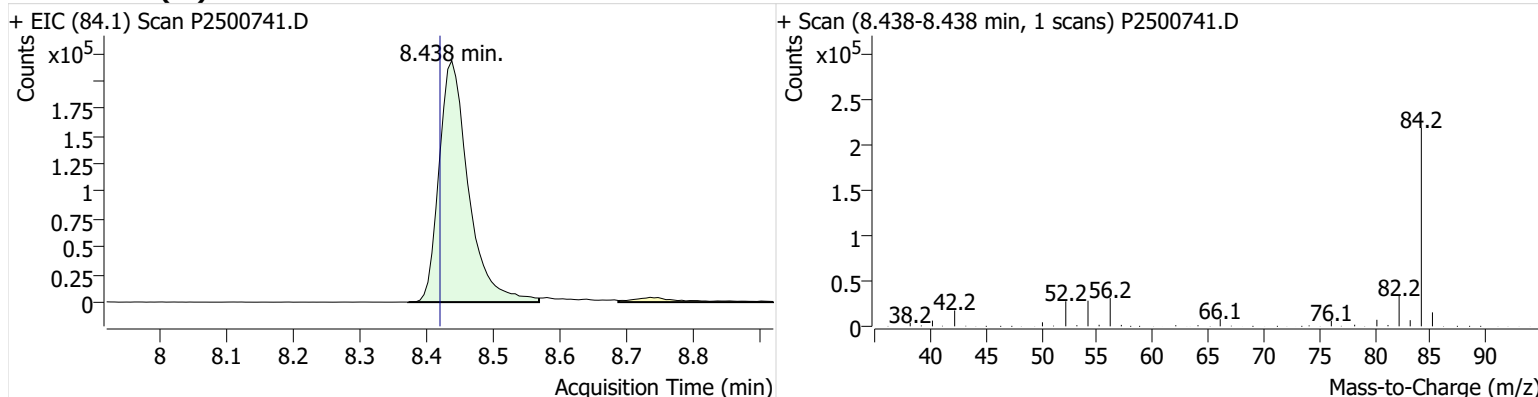
Name PPSP-3-S-20250115
Comment B49561
Data File P2500741.D
Acq. Date-Time 2/1/2025 3:38:16 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

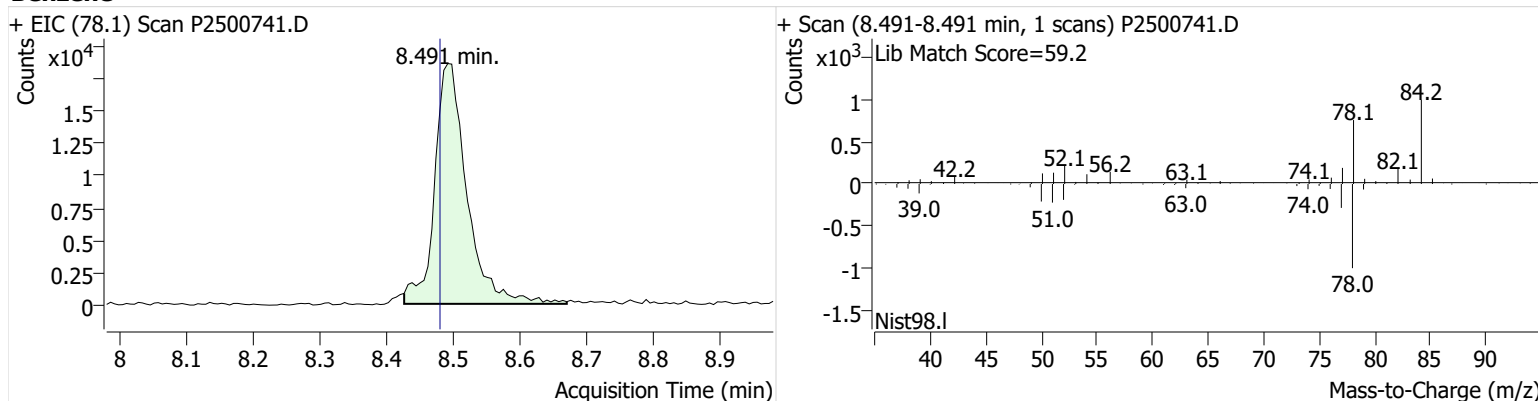


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	666,839	
Benzene	benzene-d6 (IS)	8.491	8.480	62,344	
Toluene-d8 (IS)		11.014	10.990	959,190	
Toluene	Toluene-d8 (IS)	11.109	11.085	75,788	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	12,408	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	27,801	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	9,527	

benzene-d6 (IS)

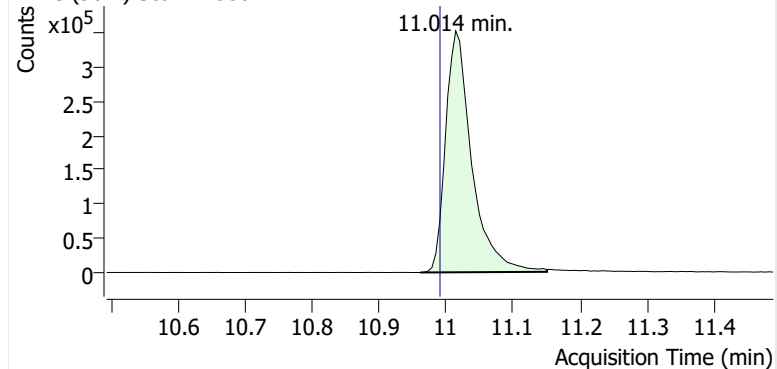


Benzene

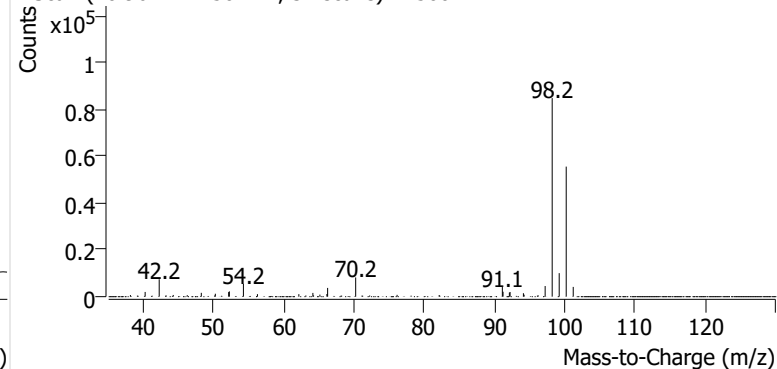


Toluene-d8 (IS)

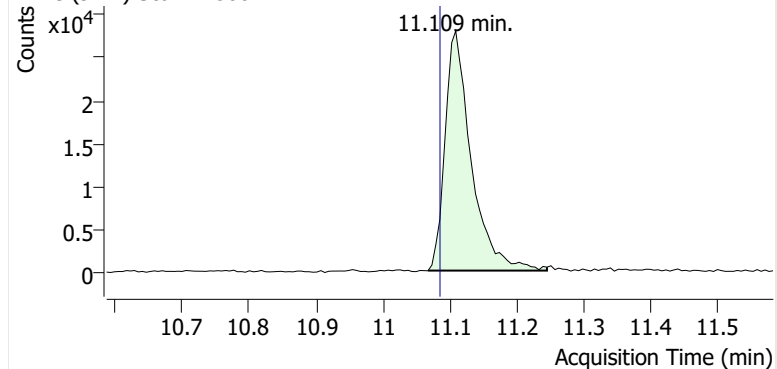
+ EIC (98.1) Scan P2500741.D



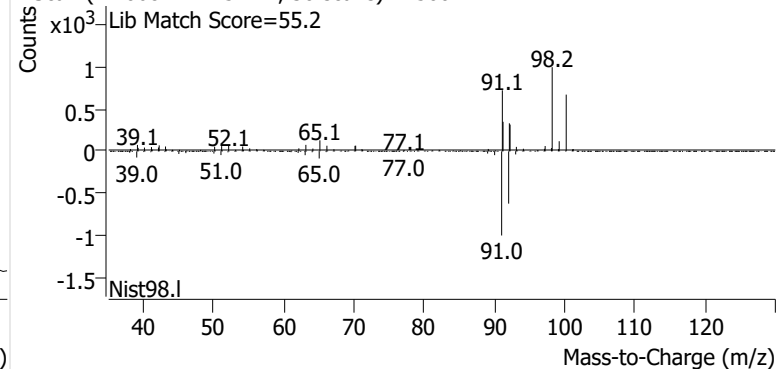
+ Scan (10.961-11.150 min, 32 scans) P2500741.D

**Toluene**

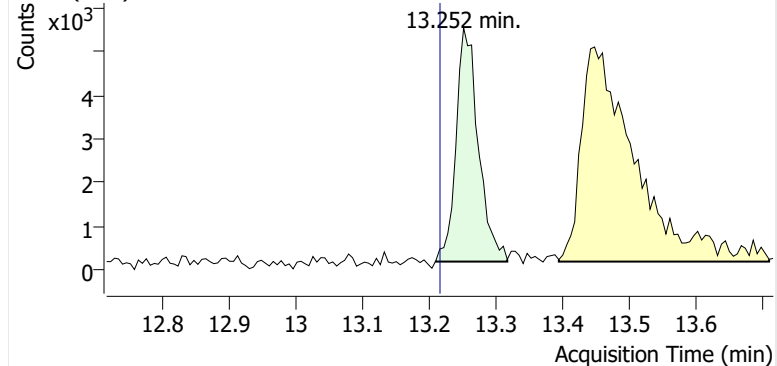
+ EIC (91.1) Scan P2500741.D



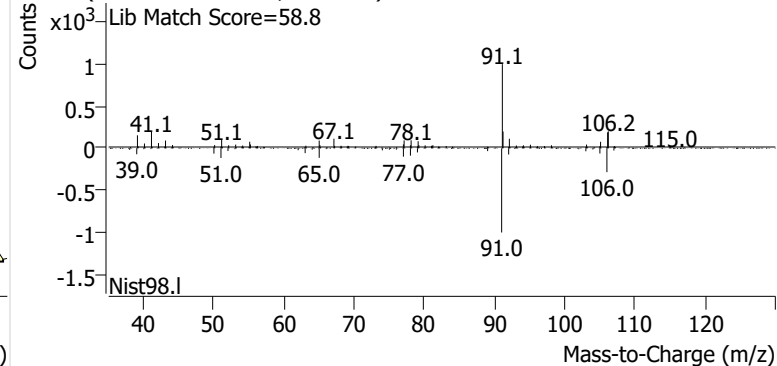
+ Scan (11.068-11.245 min, 30 scans) P2500741.D

**Ethylbenzene**

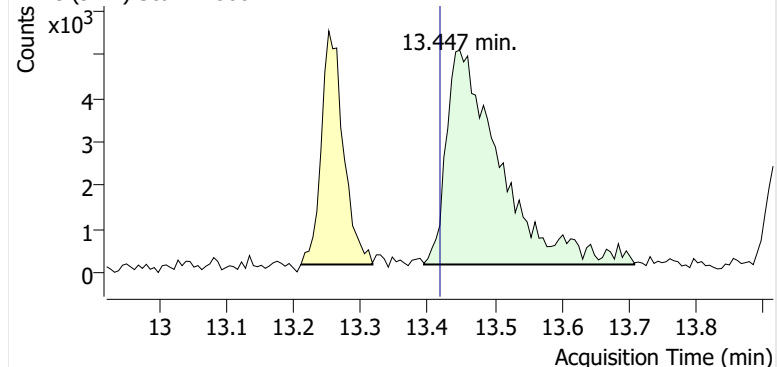
+ EIC (91.1) Scan P2500741.D



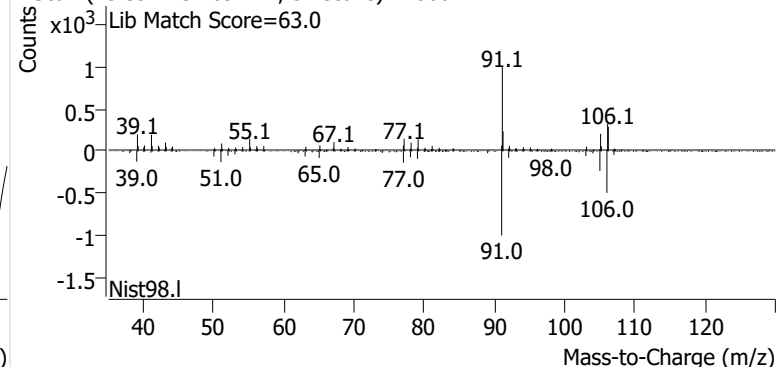
+ Scan (13.210-13.317 min, 19 scans) P2500741.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500741.D

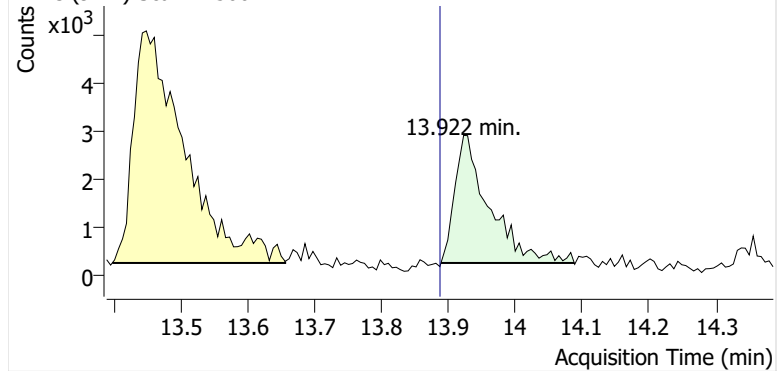


+ Scan (13.394-13.709 min, 54 scans) P2500741.D

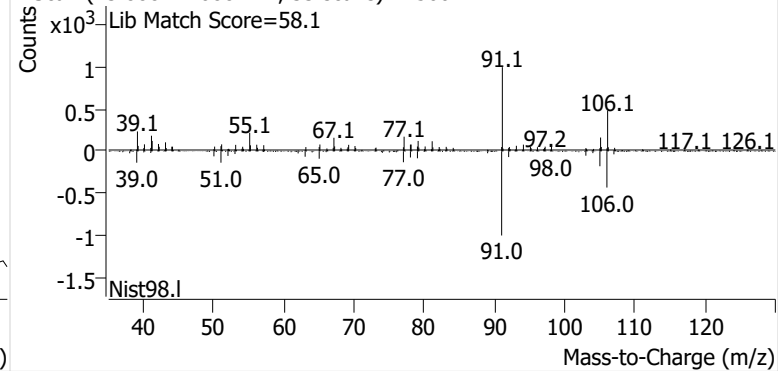


o-Xylene

+ EIC (91.1) Scan P2500741.D

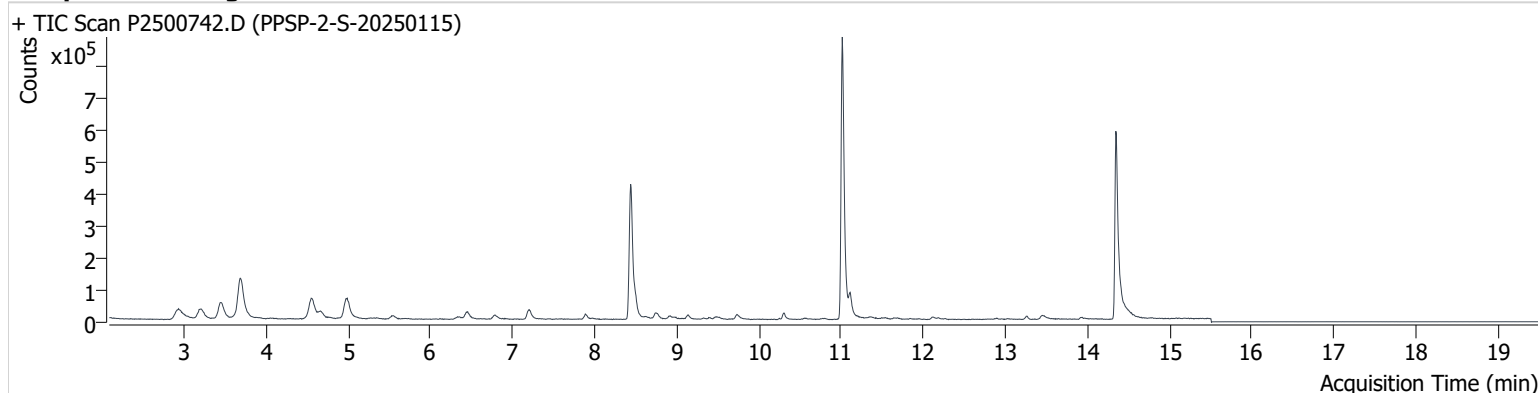


+ Scan (13.888-14.088 min, 33 scans) P2500741.D



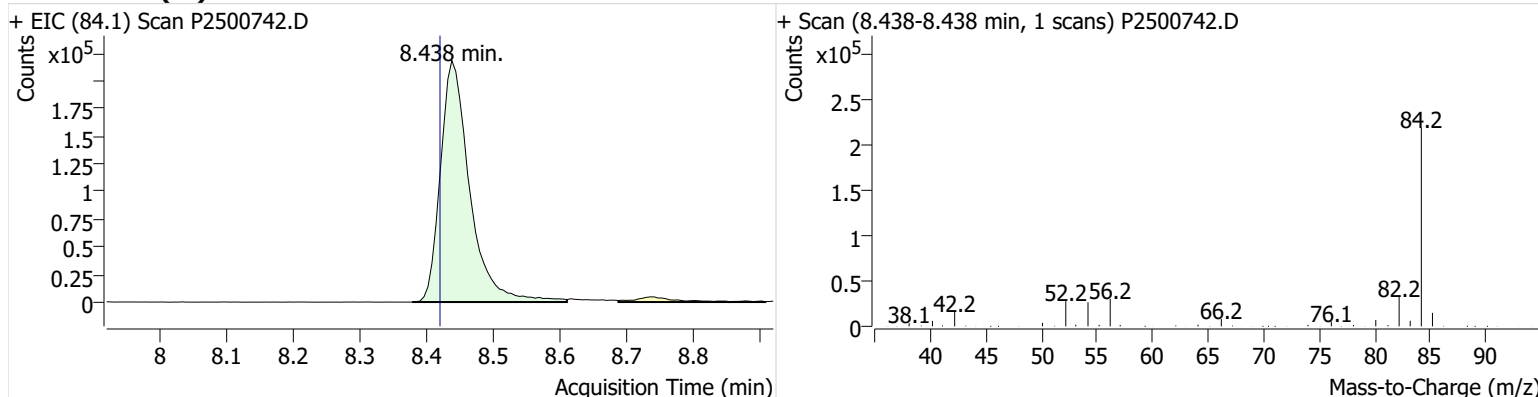
Name PPSP-2-S-20250115
Comment C20511
Data File P2500742.D
Acq. Date-Time 2/1/2025 4:16:07 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

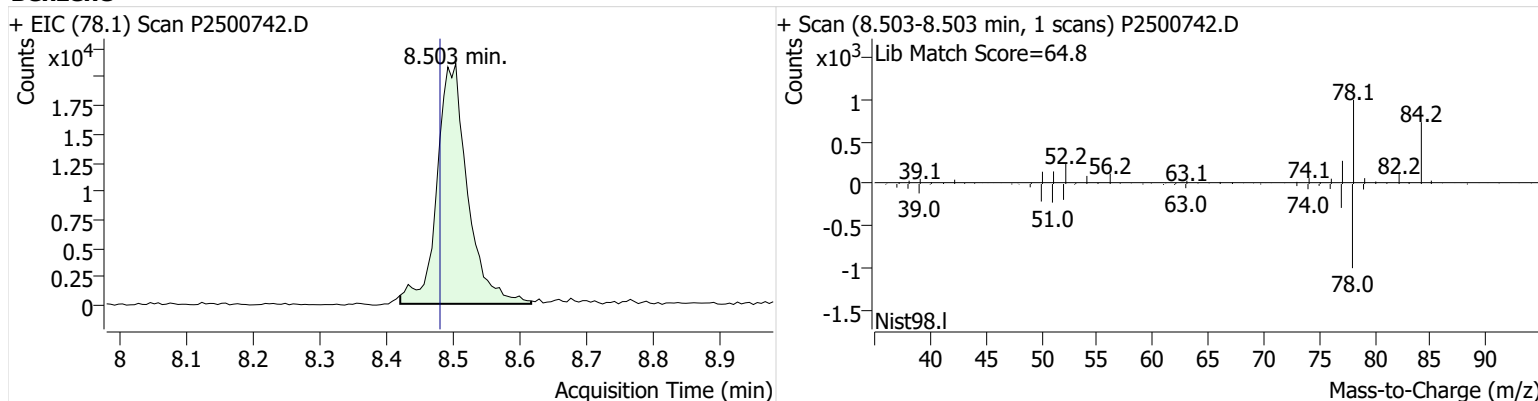


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	665,108	
Benzene	benzene-d6 (IS)	8.503	8.480	67,109	
Toluene-d8 (IS)		11.014	10.990	940,445	
Toluene	Toluene-d8 (IS)	11.109	11.085	68,739	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	9,375	
m-/p-Xylenes	Toluene-d8 (IS)	13.453	13.418	23,115	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	8,100	

benzene-d6 (IS)

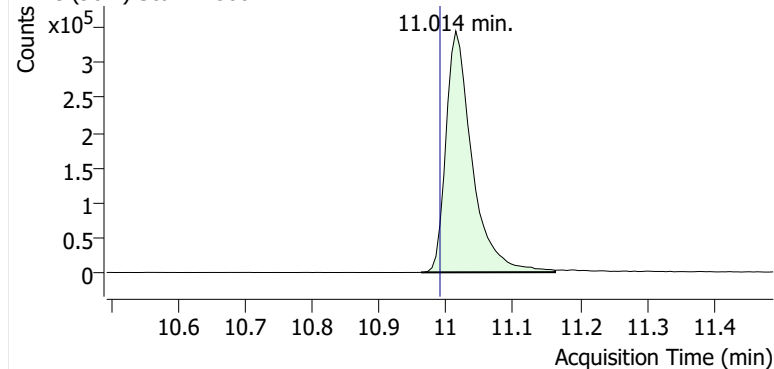


Benzene

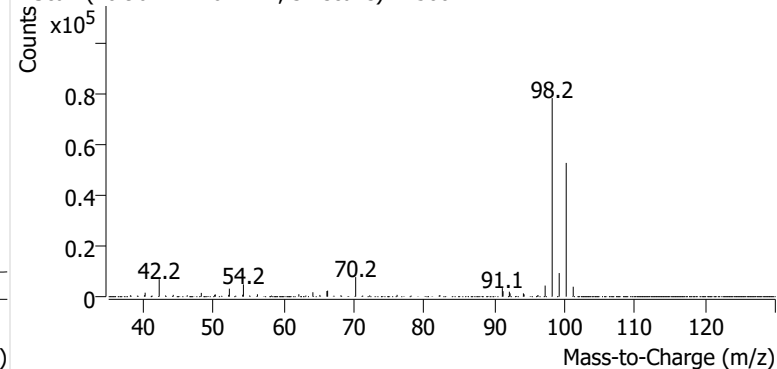


Toluene-d8 (IS)

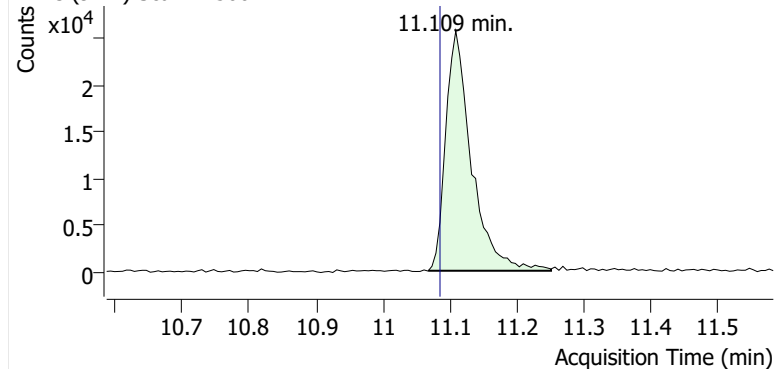
+ EIC (98.1) Scan P2500742.D



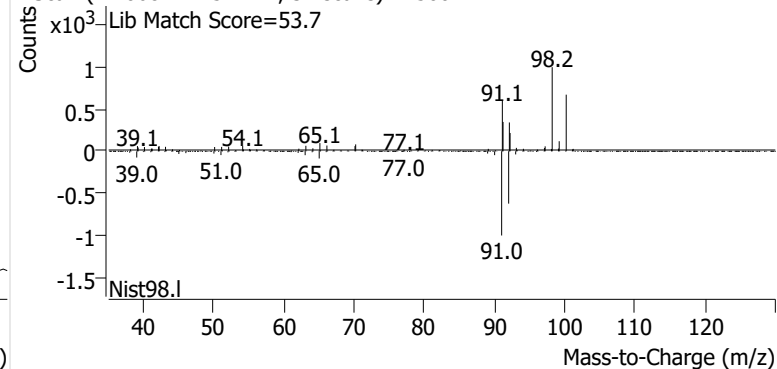
+ Scan (10.962-11.162 min, 34 scans) P2500742.D

**Toluene**

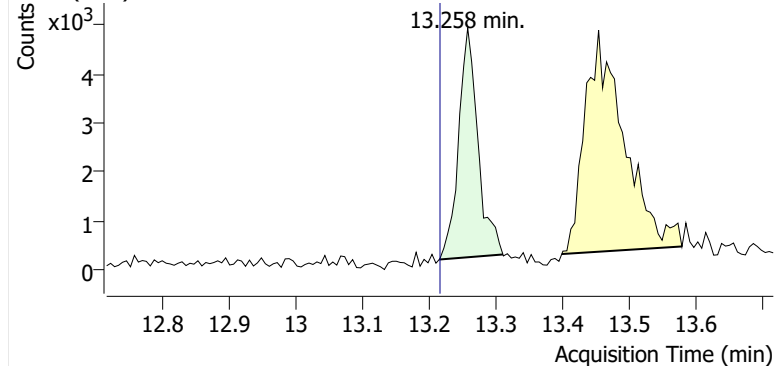
+ EIC (91.1) Scan P2500742.D



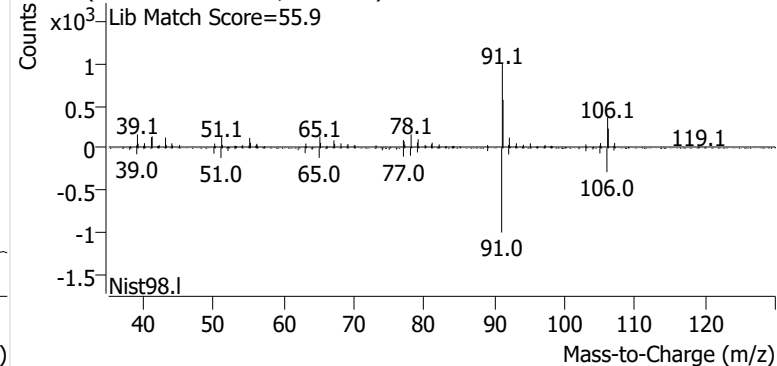
+ Scan (11.068-11.251 min, 31 scans) P2500742.D

**Ethylbenzene**

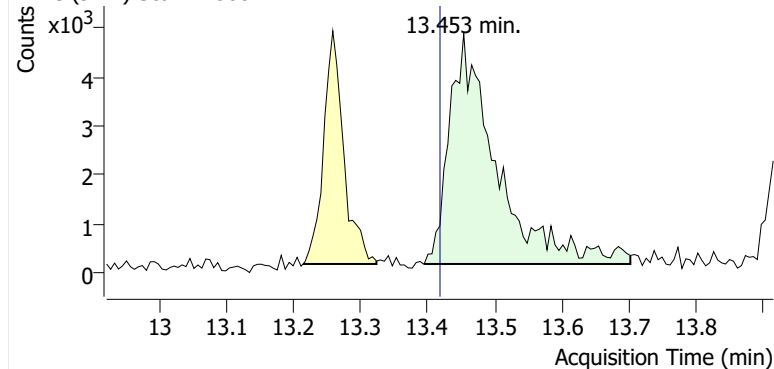
+ EIC (91.1) Scan P2500742.D



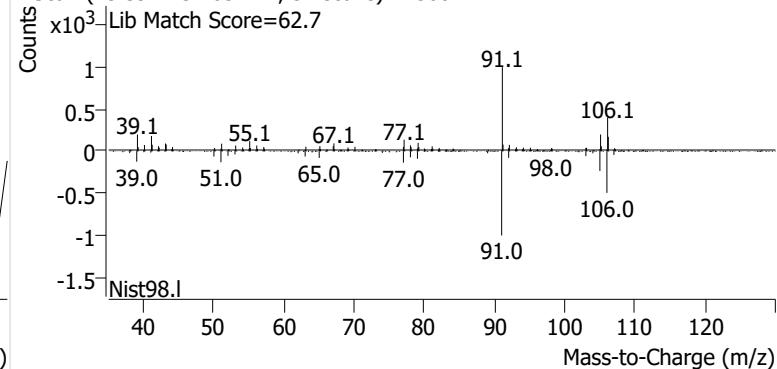
+ Scan (13.215-13.310 min, 16 scans) P2500742.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500742.D

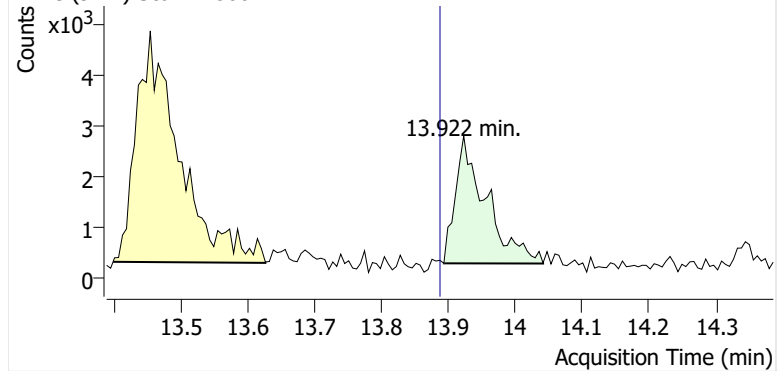


+ Scan (13.394-13.703 min, 52 scans) P2500742.D

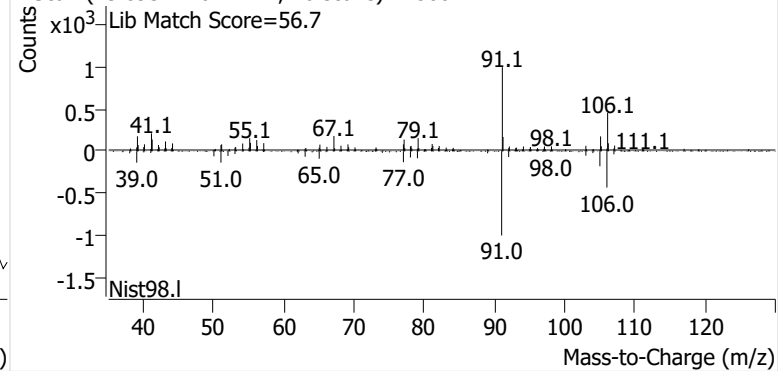


o-Xylene

+ EIC (91.1) Scan P2500742.D

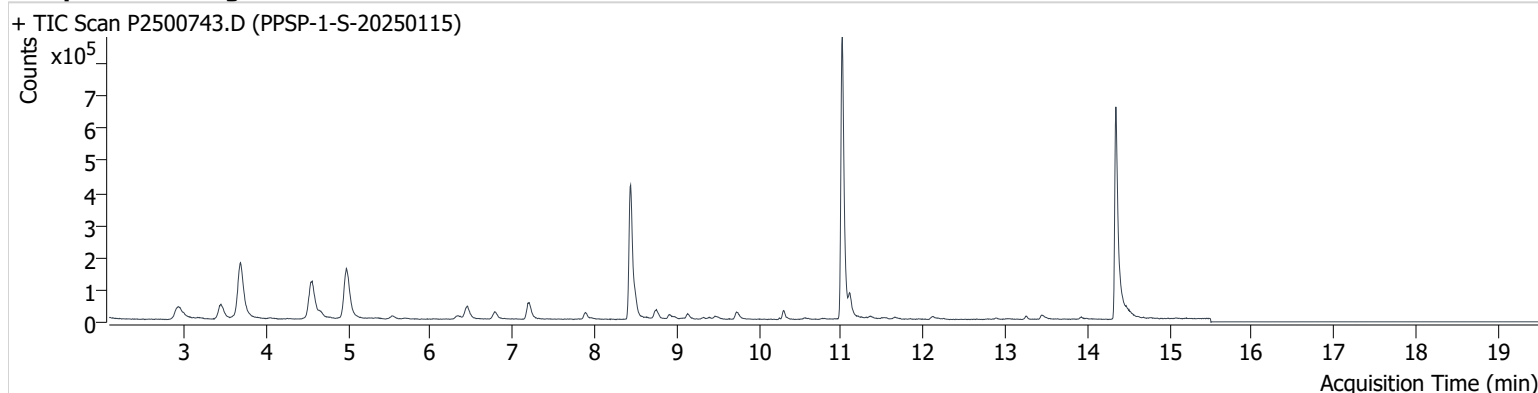


+ Scan (13.893-14.041 min, 26 scans) P2500742.D



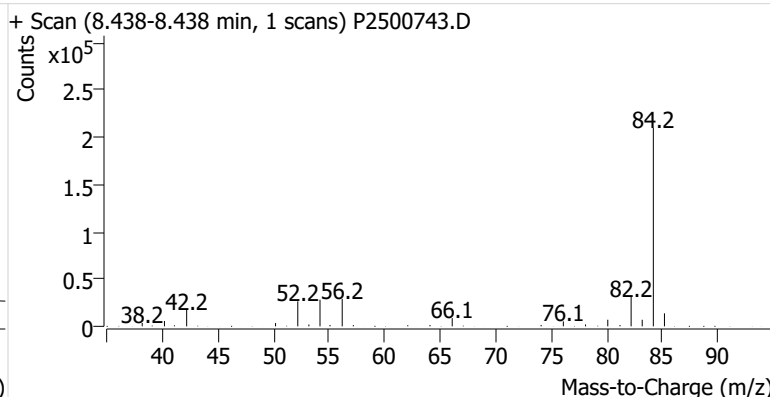
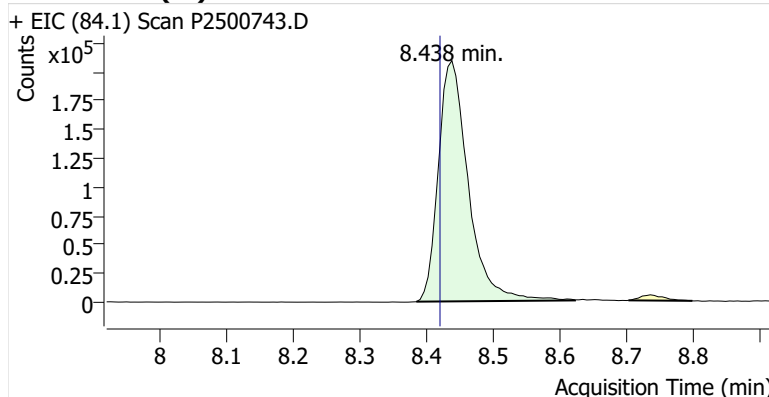
Name PPSP-1-S-20250115
Comment B20287
Data File P2500743.D
Acq. Date-Time 2/1/2025 4:53:57 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

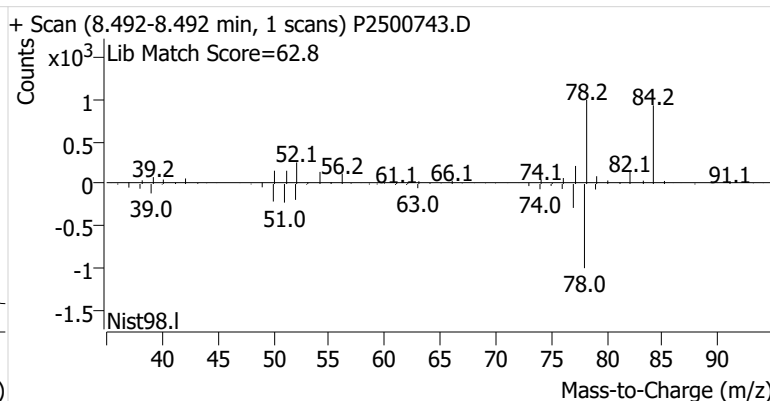
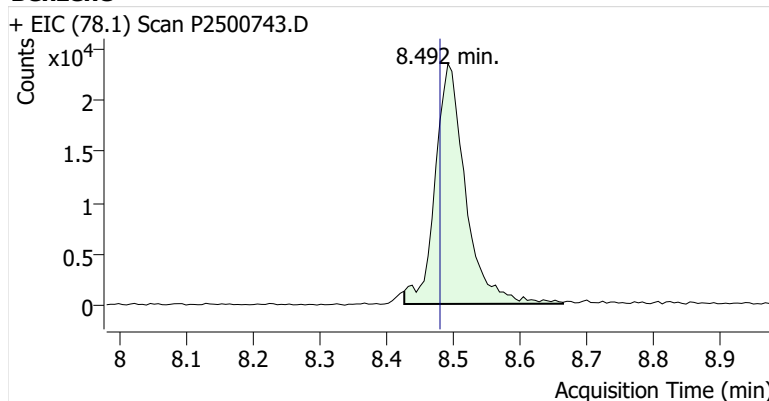


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	651,860	
Benzene	benzene-d6 (IS)	8.492	8.480	74,156	
Toluene-d8 (IS)		11.014	10.990	943,482	
Toluene	Toluene-d8 (IS)	11.109	11.085	68,768	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	10,722	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	21,530	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	8,390	

benzene-d6 (IS)

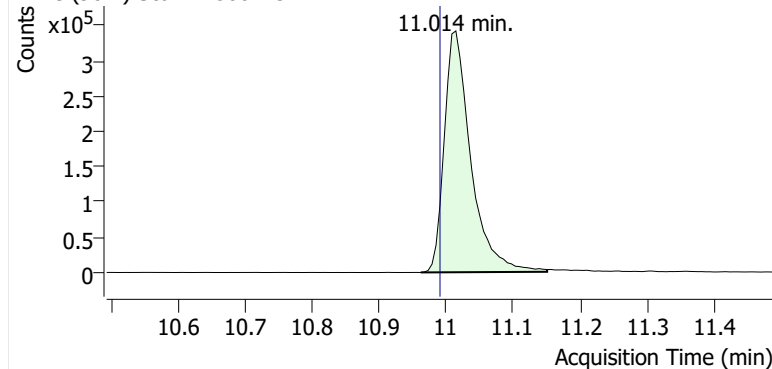


Benzene

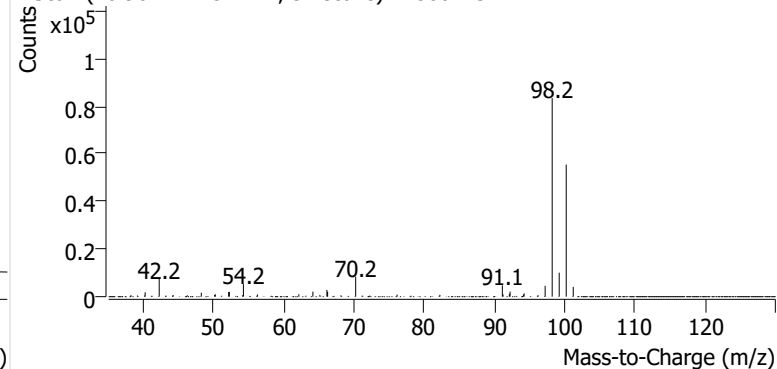


Toluene-d8 (IS)

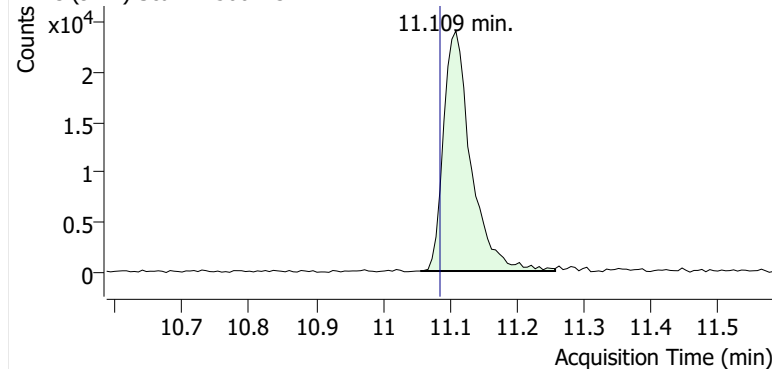
+ EIC (98.1) Scan P2500743.D



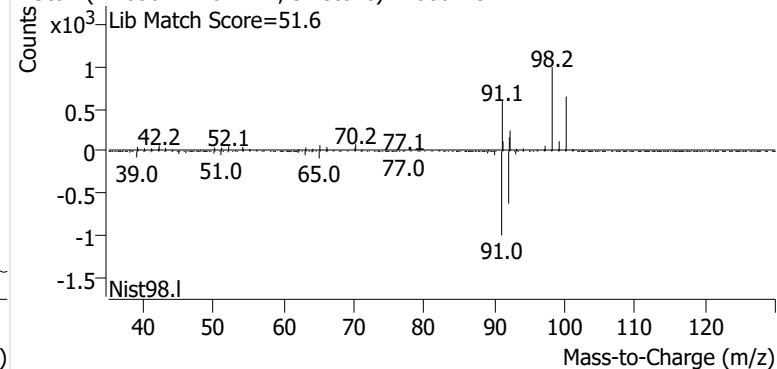
+ Scan (10.962-11.151 min, 32 scans) P2500743.D

**Toluene**

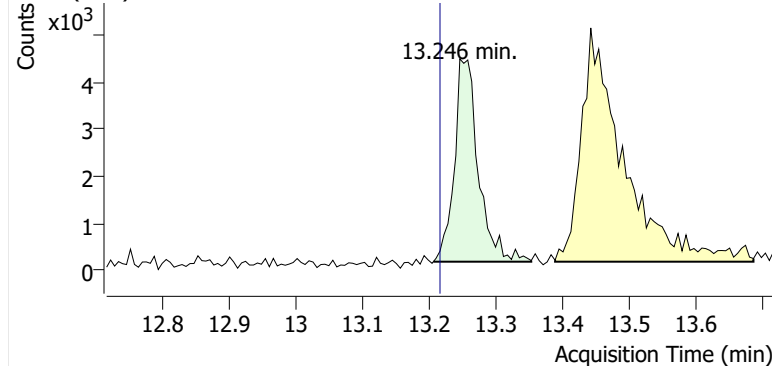
+ EIC (91.1) Scan P2500743.D



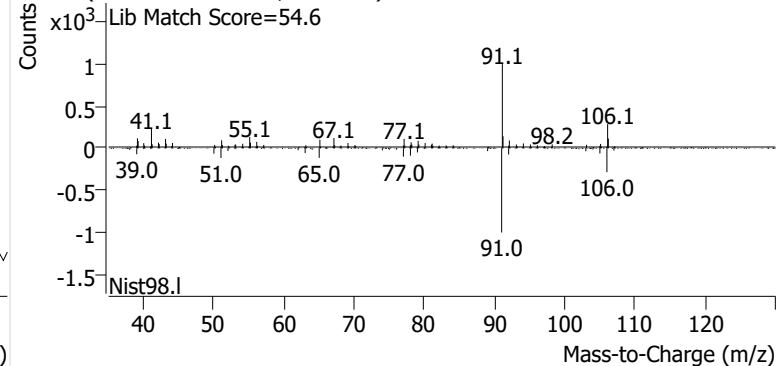
+ Scan (11.056-11.257 min, 34 scans) P2500743.D

**Ethylbenzene**

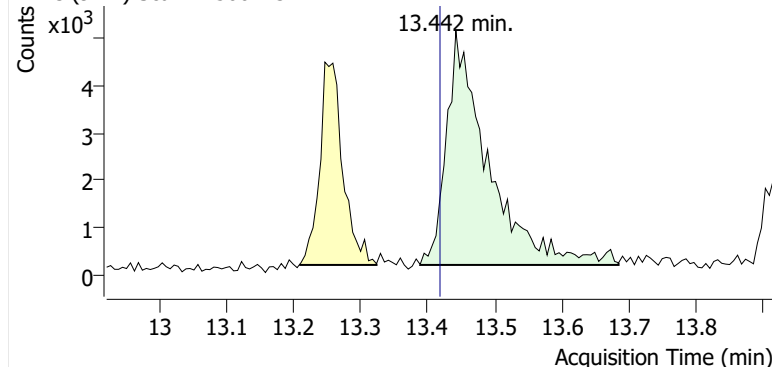
+ EIC (91.1) Scan P2500743.D



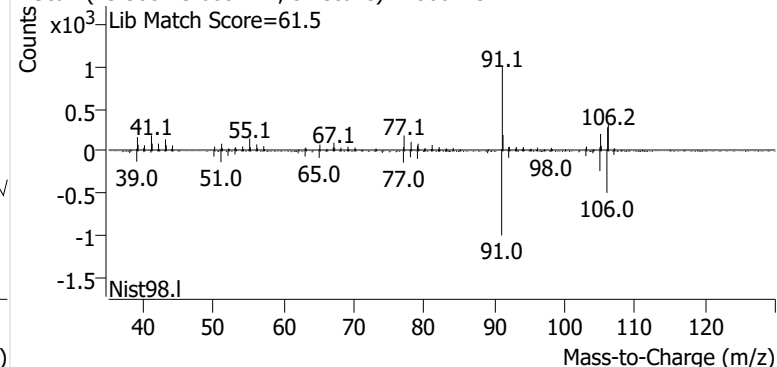
+ Scan (13.206-13.353 min, 25 scans) P2500743.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500743.D

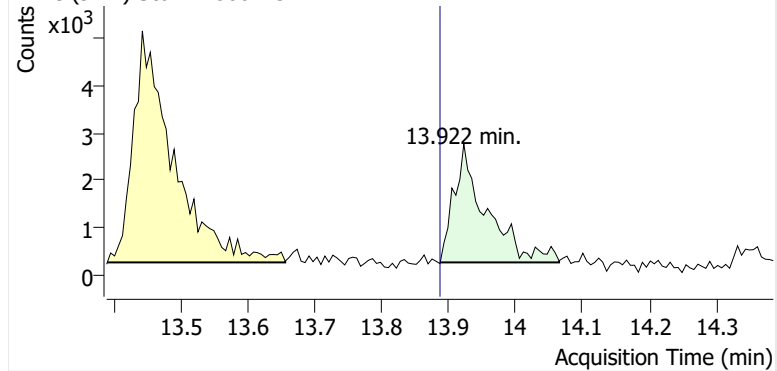


+ Scan (13.388-13.685 min, 51 scans) P2500743.D

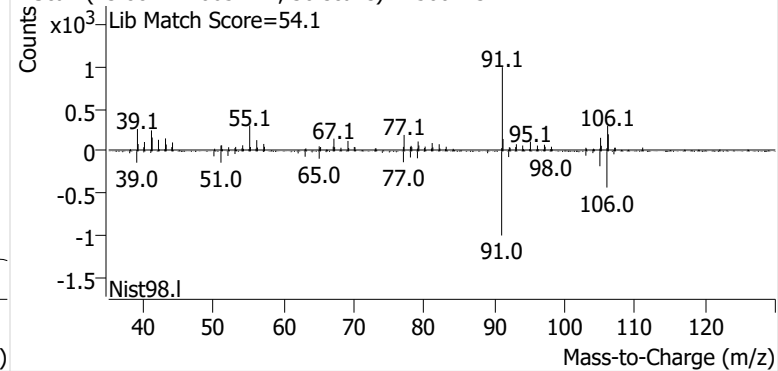


o-Xylene

+ EIC (91.1) Scan P2500743.D

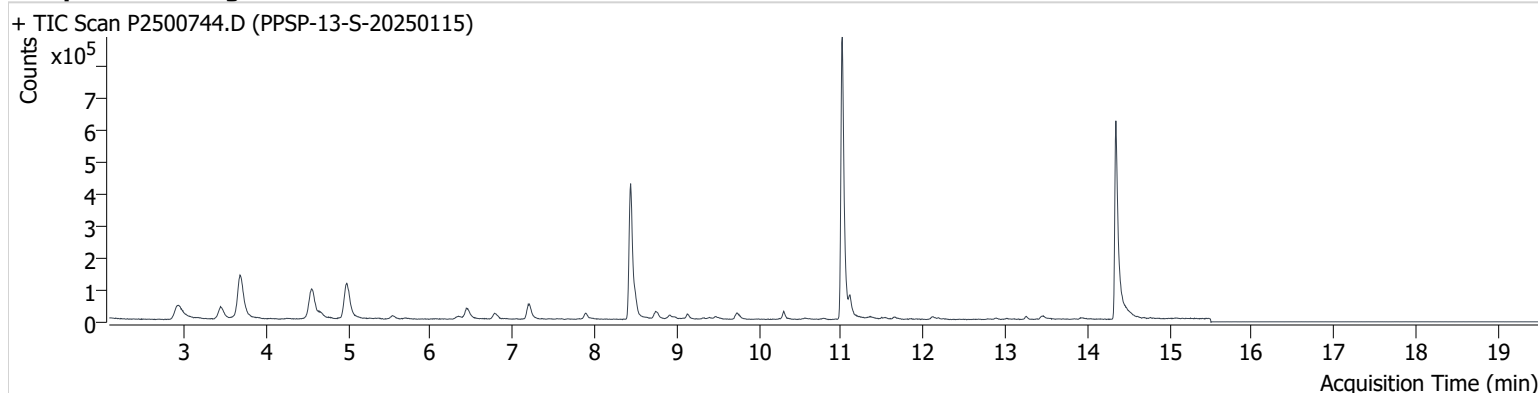


+ Scan (13.887-14.065 min, 30 scans) P2500743.D



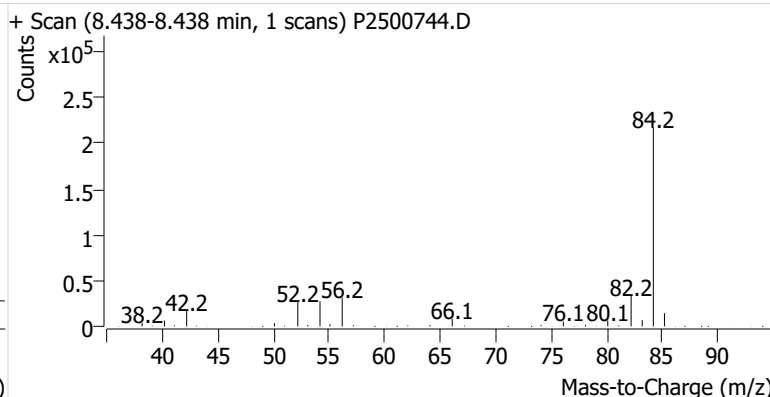
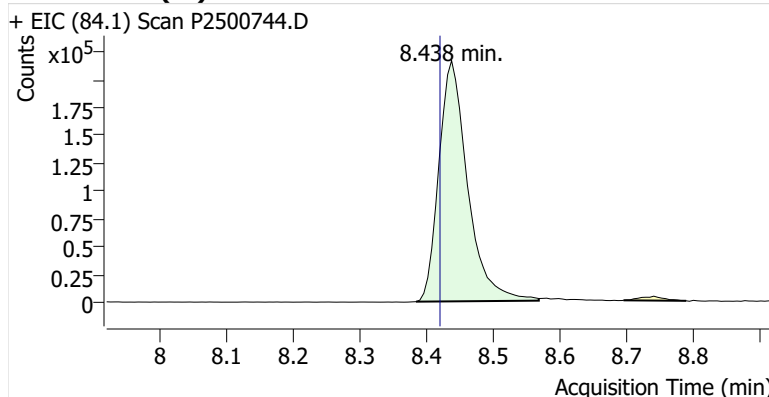
Name PPSP-13-S-20250115
Comment C37444
Data File P2500744.D
Acq. Date-Time 2/1/2025 5:31:48 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

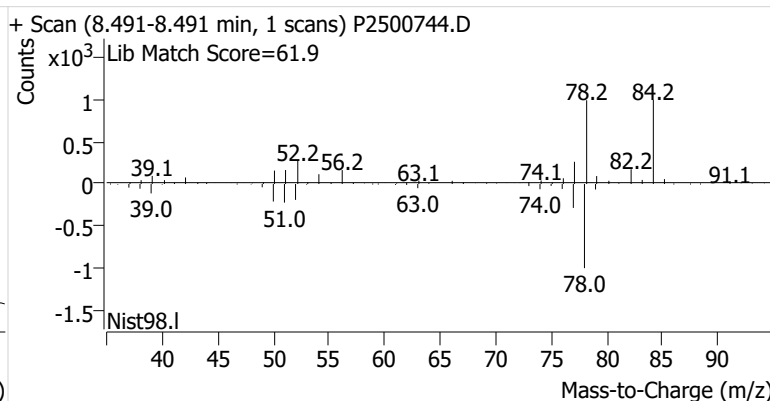
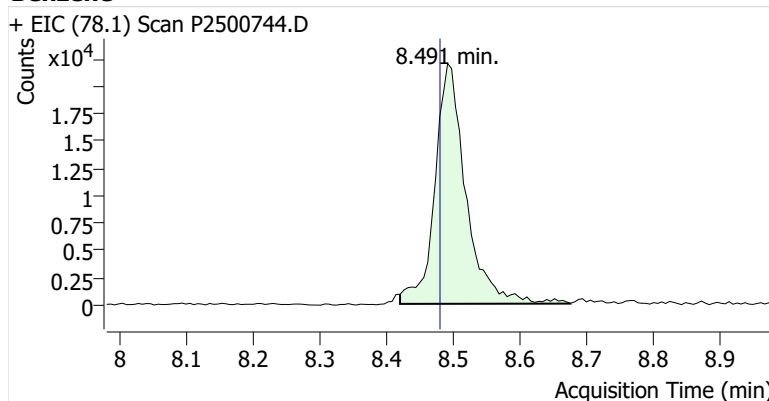


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	648,284	
Benzene	benzene-d6 (IS)	8.491	8.480	70,956	
Toluene-d8 (IS)		11.014	10.990	951,743	
Toluene	Toluene-d8 (IS)	11.109	11.085	59,479	
Ethylbenzene	Toluene-d8 (IS)	13.251	13.216	8,566	
m-/p-Xylenes	Toluene-d8 (IS)	13.459	13.418	16,957	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	5,749	m

benzene-d6 (IS)

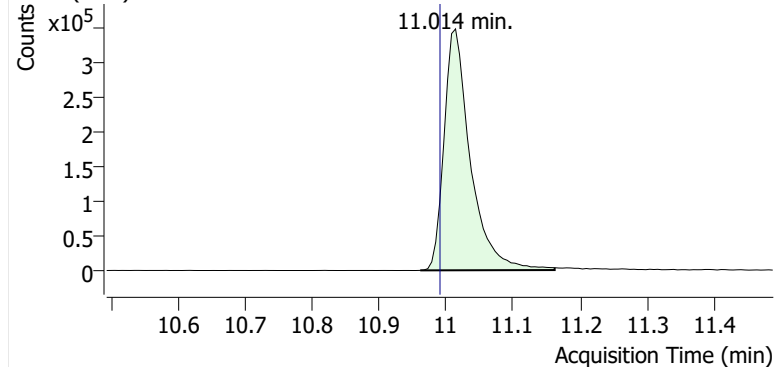


Benzene

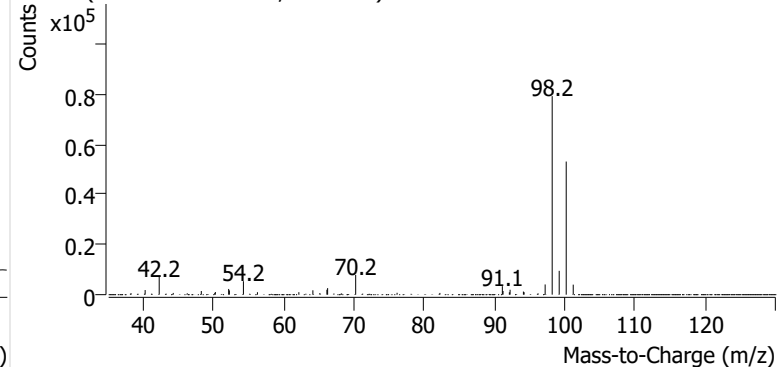


Toluene-d8 (IS)

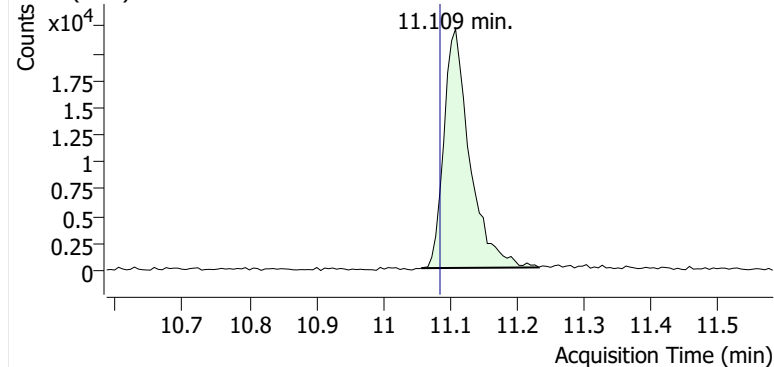
+ EIC (98.1) Scan P2500744.D



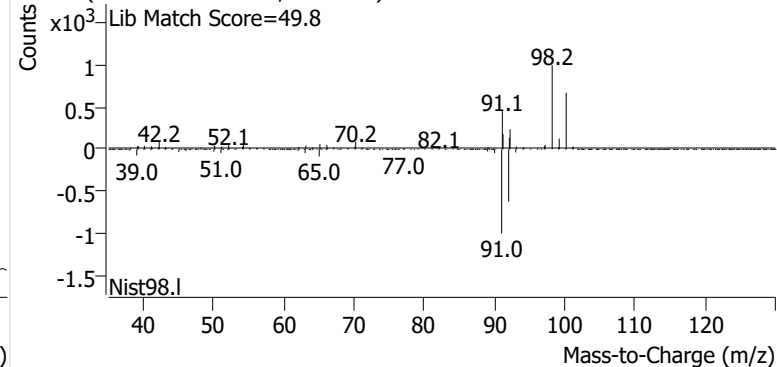
+ Scan (10.961-11.162 min, 34 scans) P2500744.D

**Toluene**

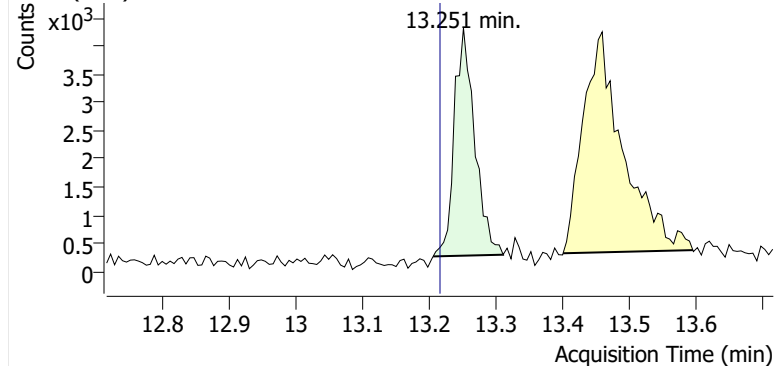
+ EIC (91.1) Scan P2500744.D



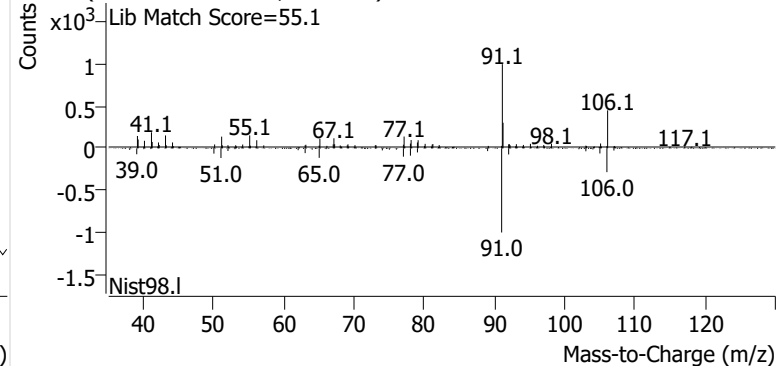
+ Scan (11.057-11.233 min, 30 scans) P2500744.D

**Ethylbenzene**

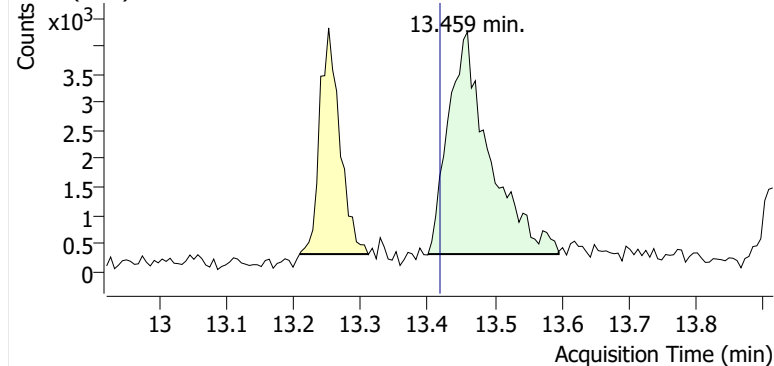
+ EIC (91.1) Scan P2500744.D



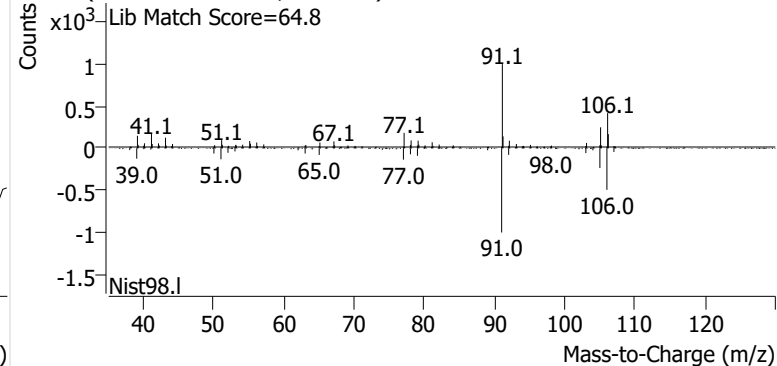
+ Scan (13.206-13.311 min, 18 scans) P2500744.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500744.D

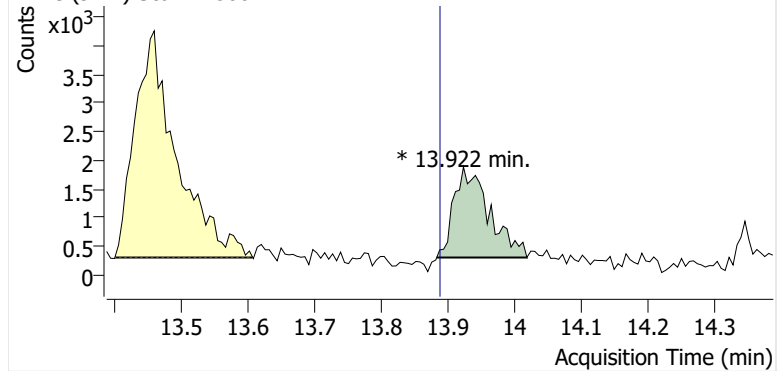


+ Scan (13.400-13.596 min, 33 scans) P2500744.D

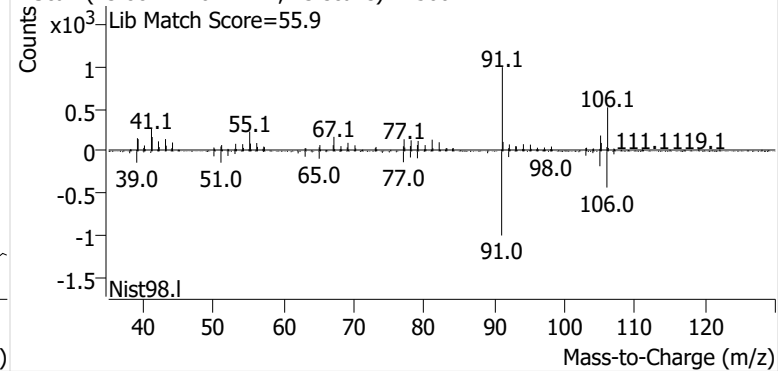


o-Xylene

+ EIC (91.1) Scan P2500744.D

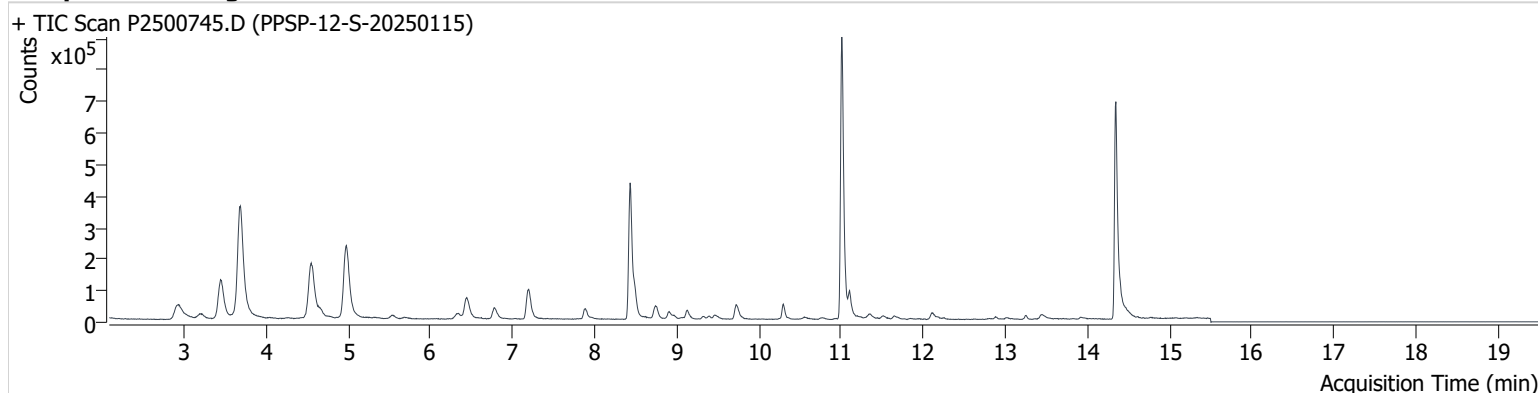


+ Scan (13.882-14.017 min, 23 scans) P2500744.D



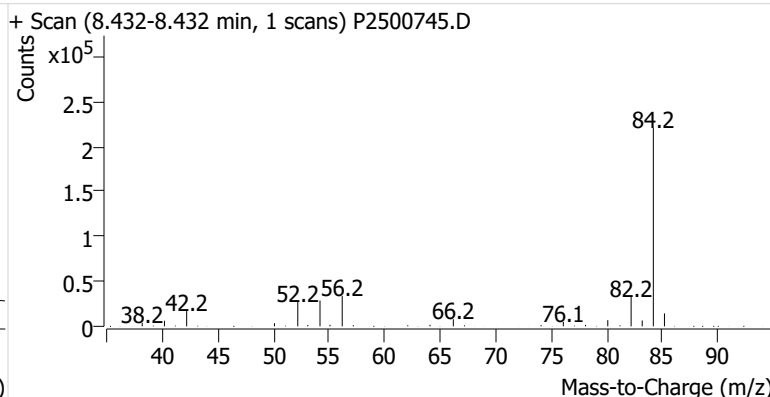
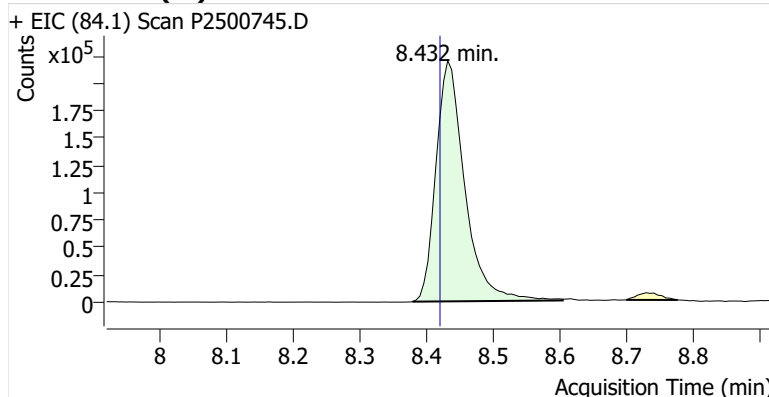
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Comment C40677
Data File P2500745.D
Acq. Date-Time 2/1/2025 6:09:38 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

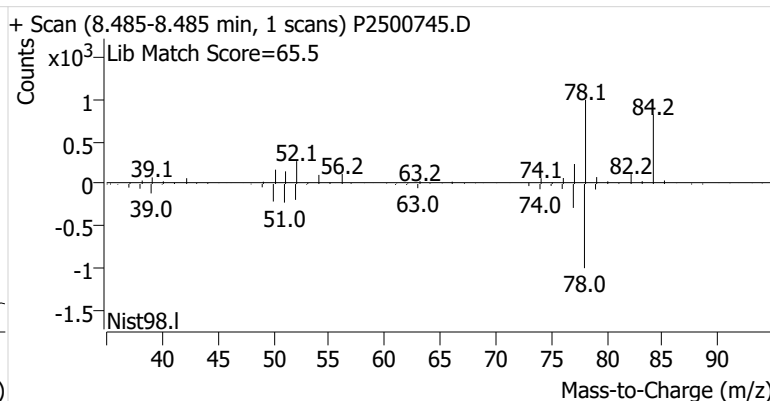
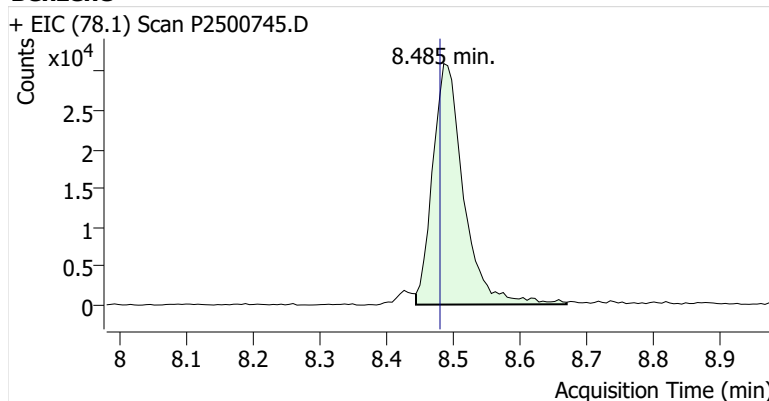


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	658,326	
Benzene	benzene-d6 (IS)	8.485	8.480	99,667	
Toluene-d8 (IS)		11.008	10.990	959,075	
Toluene	Toluene-d8 (IS)	11.103	11.085	76,276	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	12,782	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	24,576	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	8,795	

benzene-d6 (IS)

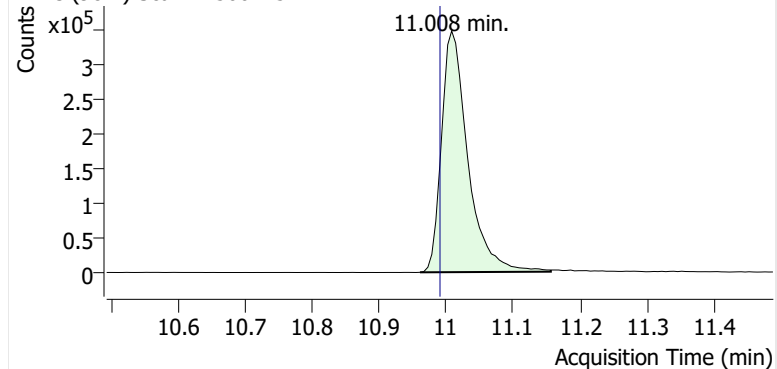


Benzene

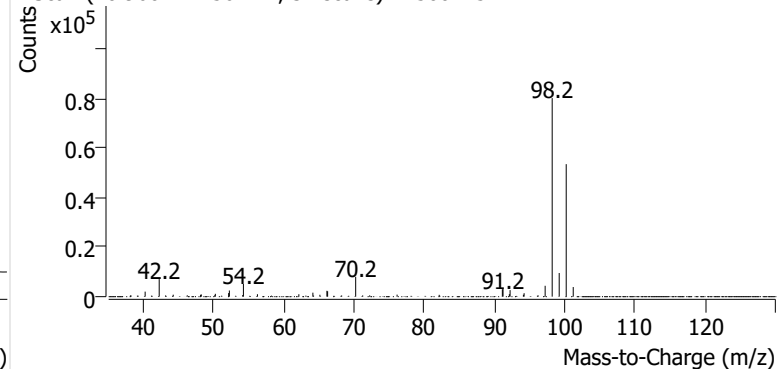


Toluene-d8 (IS)

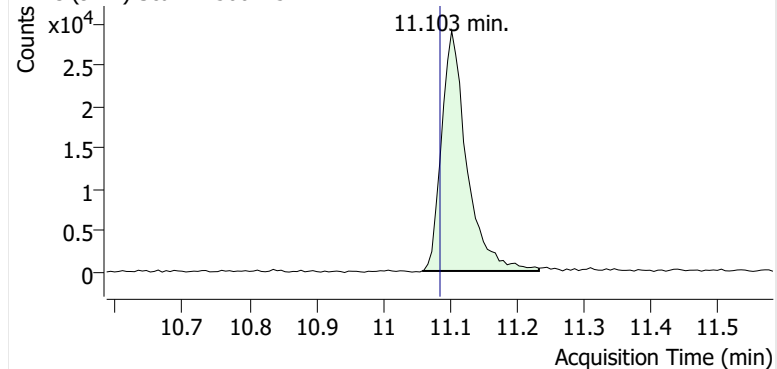
+ EIC (98.1) Scan P2500745.D



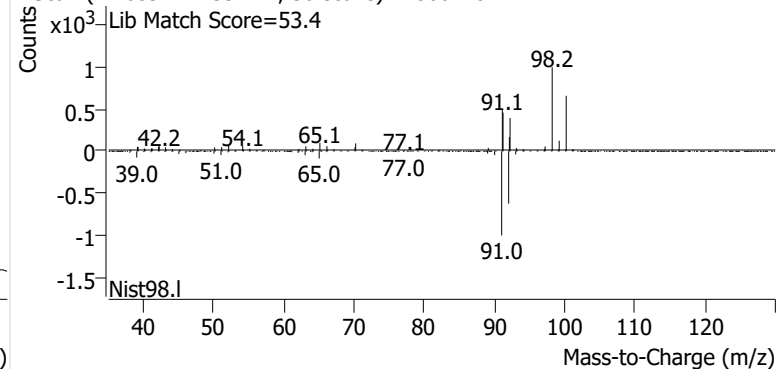
+ Scan (10.960-11.156 min, 34 scans) P2500745.D

**Toluene**

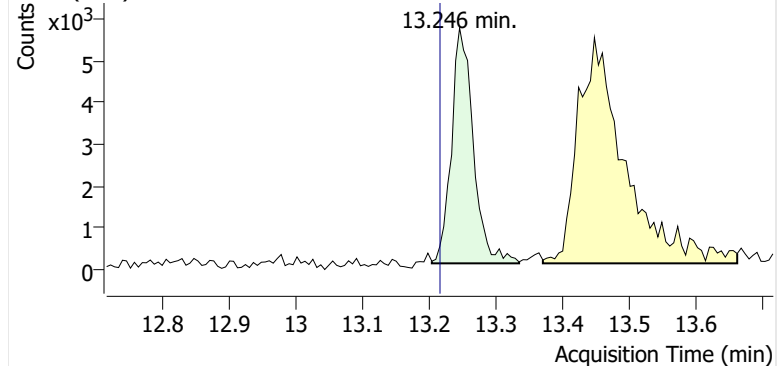
+ EIC (91.1) Scan P2500745.D



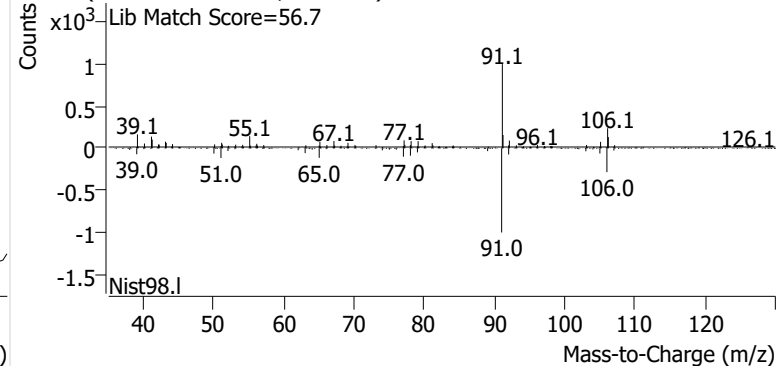
+ Scan (11.059-11.233 min, 30 scans) P2500745.D

**Ethylbenzene**

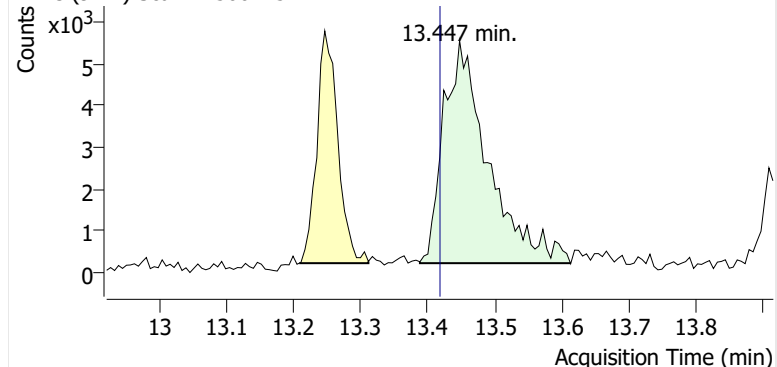
+ EIC (91.1) Scan P2500745.D



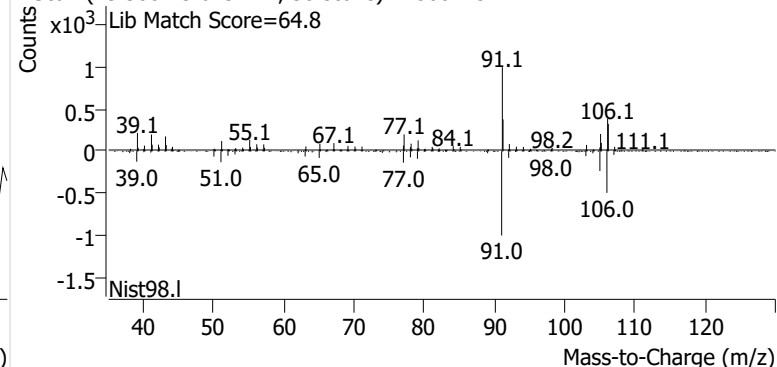
+ Scan (13.204-13.335 min, 23 scans) P2500745.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500745.D

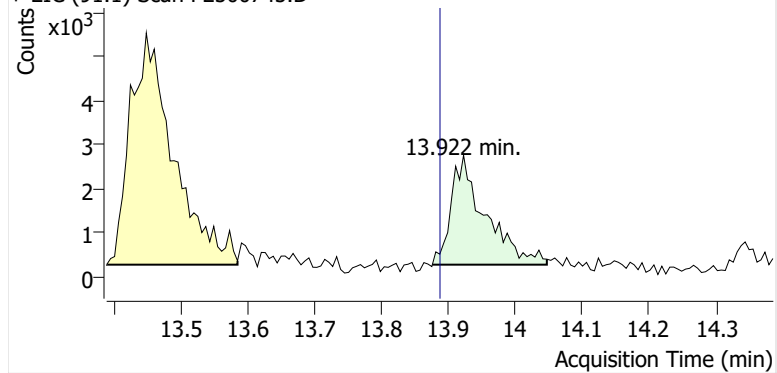


+ Scan (13.388-13.613 min, 38 scans) P2500745.D

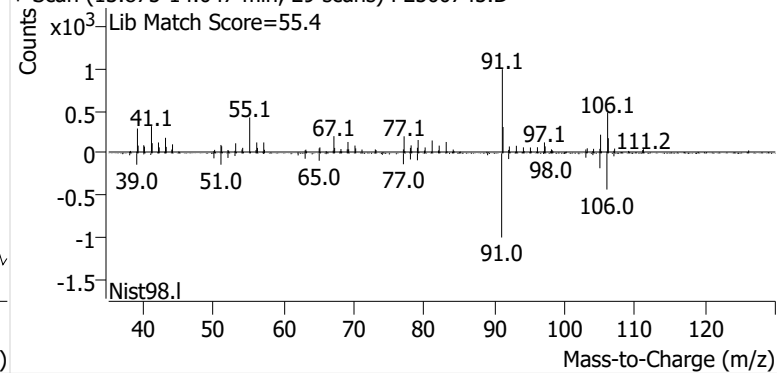


o-Xylene

+ EIC (91.1) Scan P2500745.D

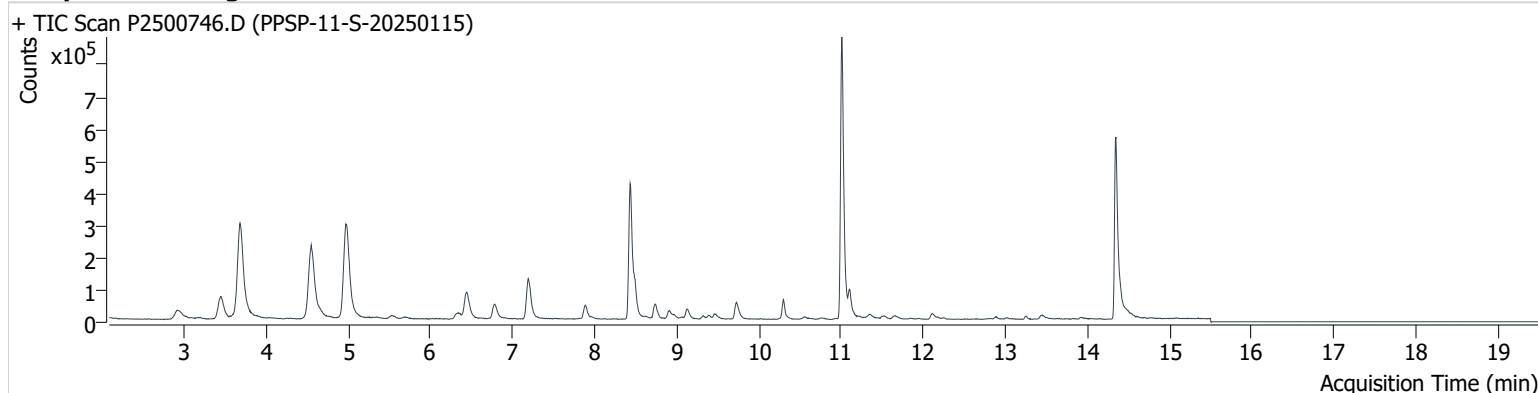


+ Scan (13.875-14.047 min, 29 scans) P2500745.D



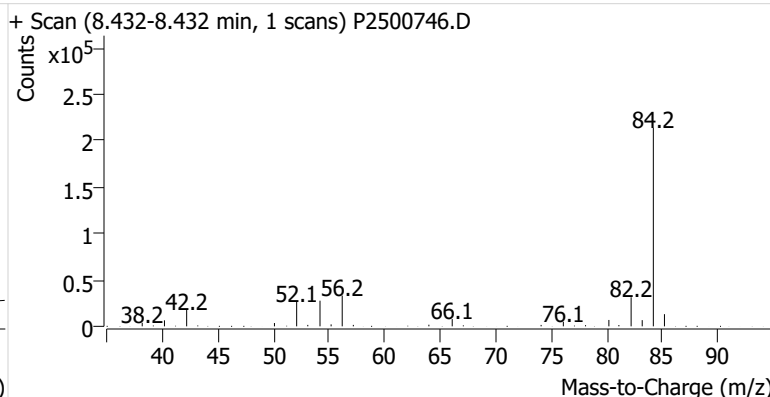
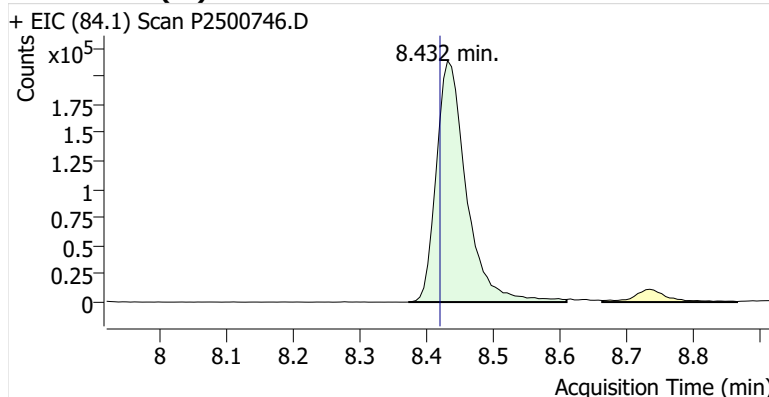
Name PPSP-11-S-20250115
Comment B14264
Data File P2500746.D
Acq. Date-Time 2/1/2025 6:47:28 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

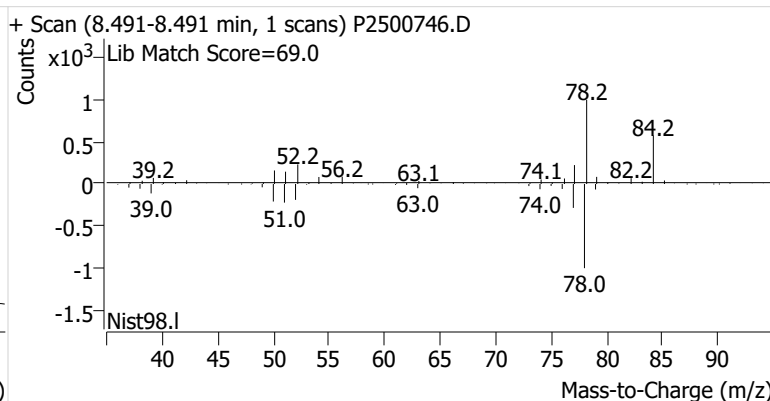
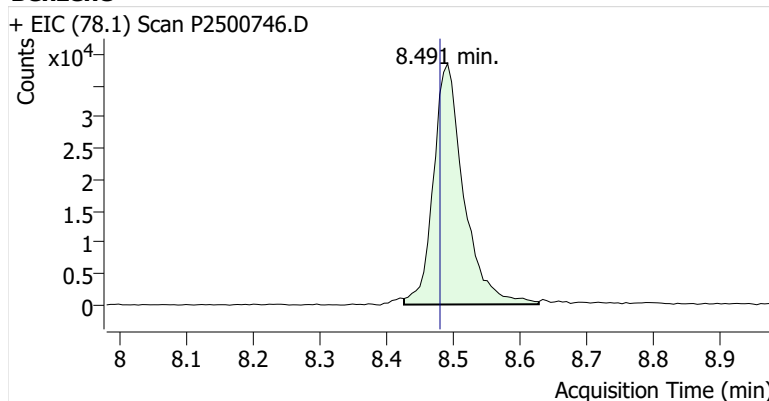


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	668,833	
Benzene	benzene-d6 (IS)	8.491	8.480	121,073	
Toluene-d8 (IS)		11.008	10.990	947,336	
Toluene	Toluene-d8 (IS)	11.103	11.085	82,601	
Ethylbenzene	Toluene-d8 (IS)	13.251	13.216	9,978	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	17,792	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	8,015	m

benzene-d6 (IS)

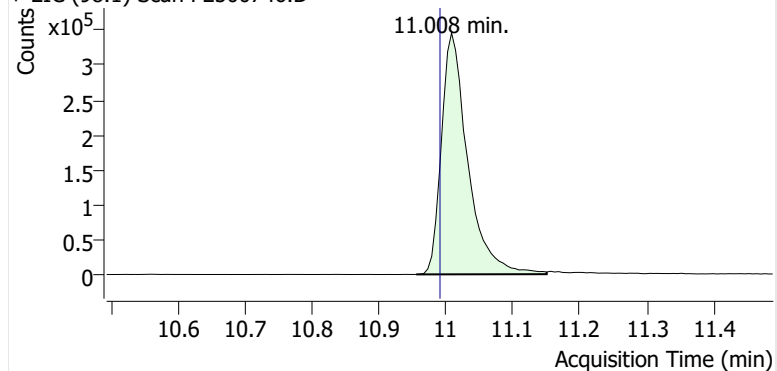


Benzene

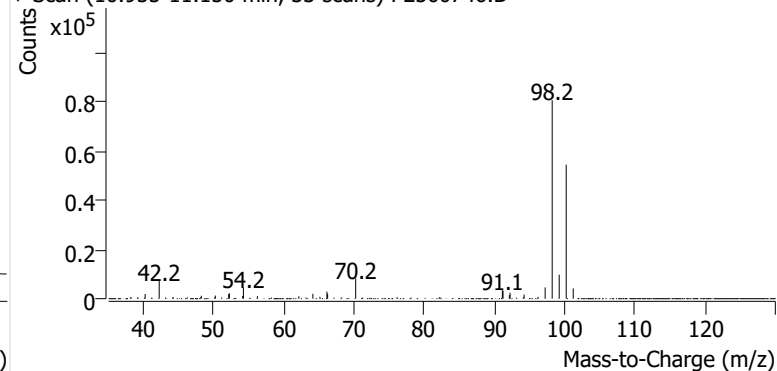


Toluene-d8 (IS)

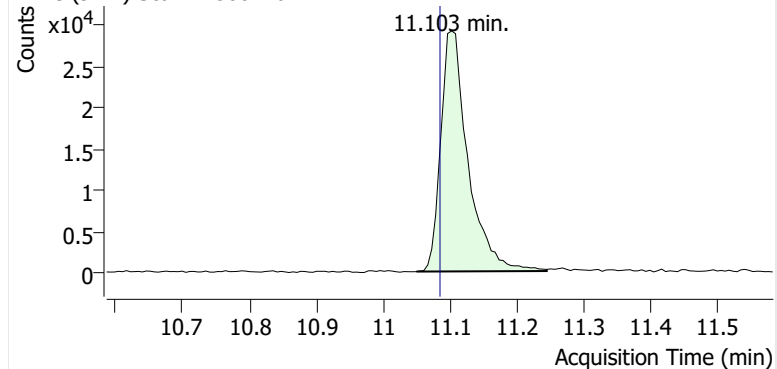
+ EIC (98.1) Scan P2500746.D



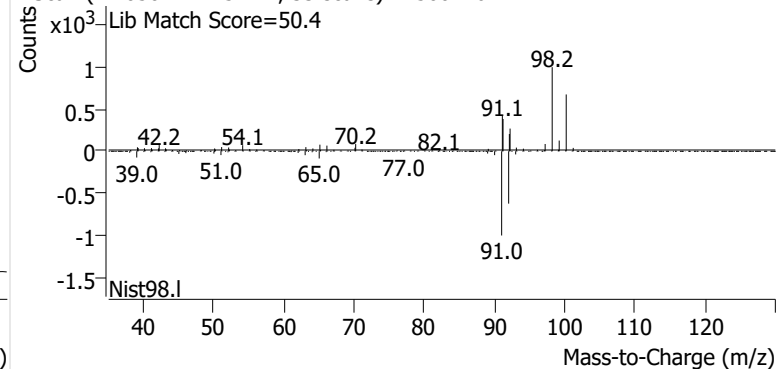
+ Scan (10.955-11.150 min, 33 scans) P2500746.D

**Toluene**

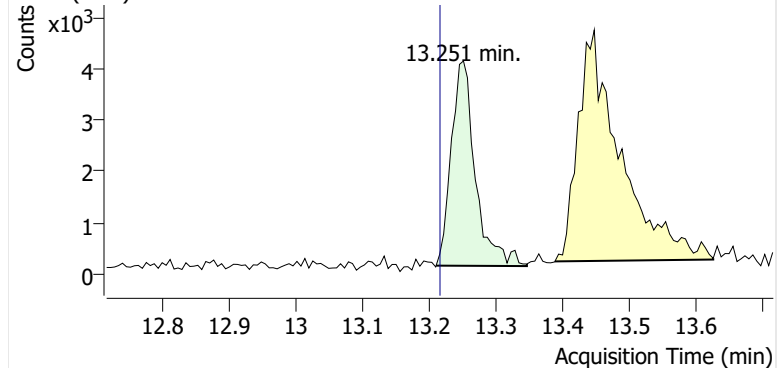
+ EIC (91.1) Scan P2500746.D



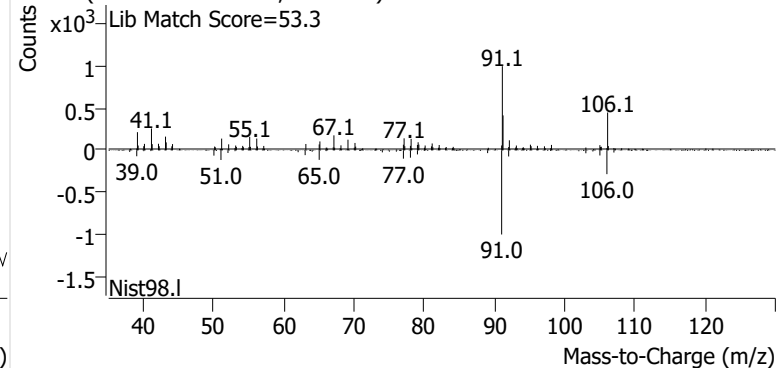
+ Scan (11.050-11.245 min, 33 scans) P2500746.D

**Ethylbenzene**

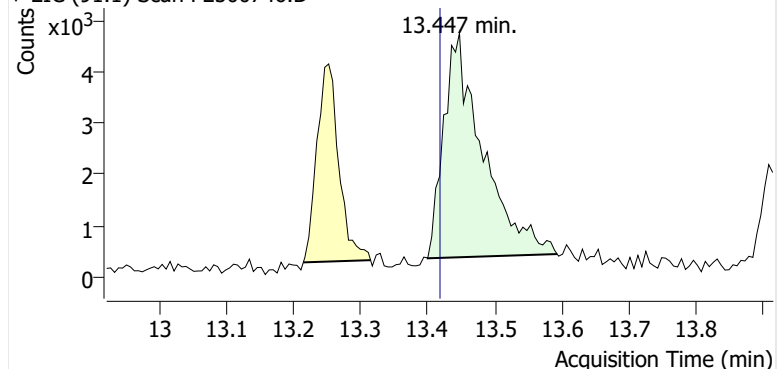
+ EIC (91.1) Scan P2500746.D



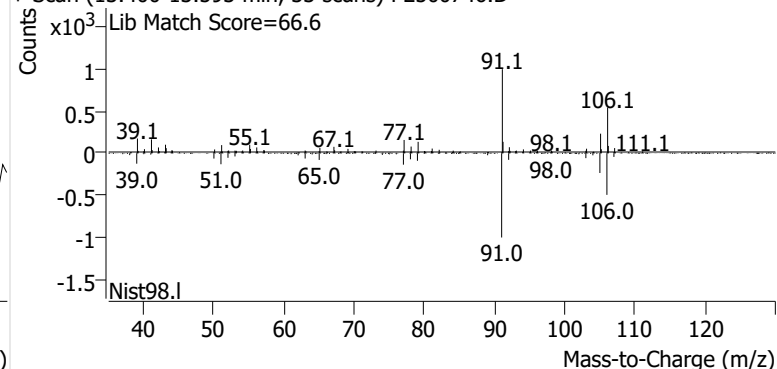
+ Scan (13.210-13.346 min, 23 scans) P2500746.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500746.D

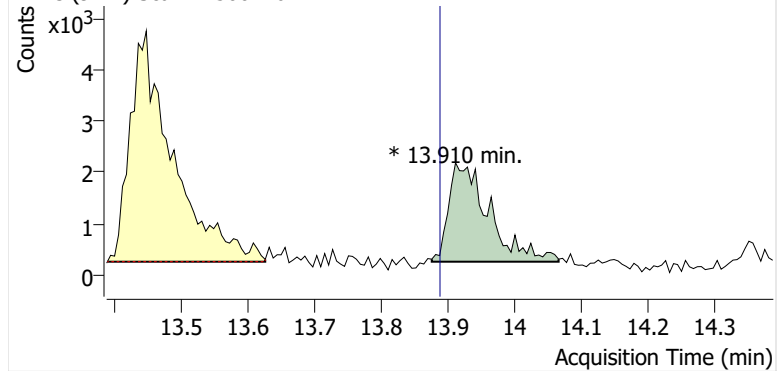


+ Scan (13.400-13.593 min, 33 scans) P2500746.D

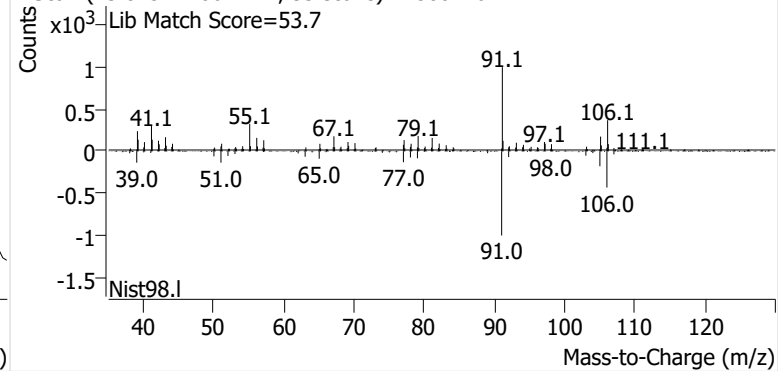


o-Xylene

+ EIC (91.1) Scan P2500746.D

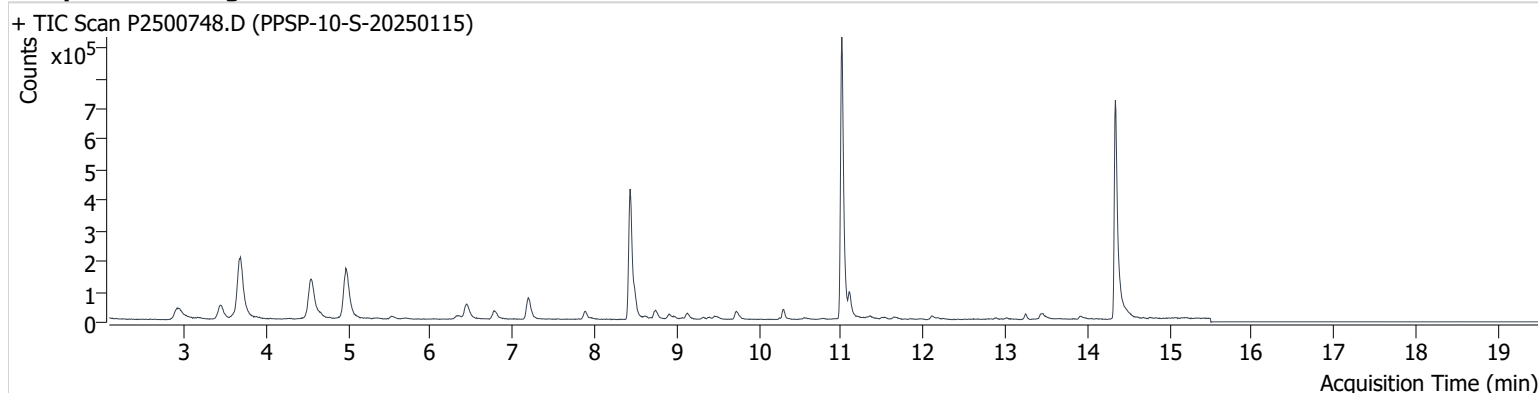


+ Scan (13.875-14.064 min, 33 scans) P2500746.D



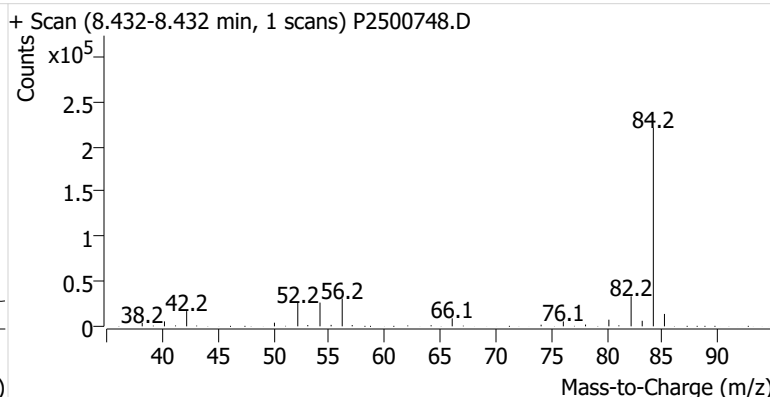
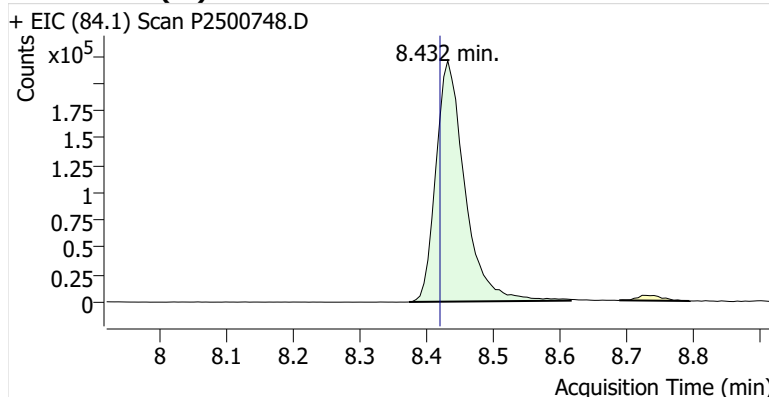
Name PPSP-10-S-20250115
Comment C43672
Data File P2500748.D
Acq. Date-Time 2/1/2025 8:03:21 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

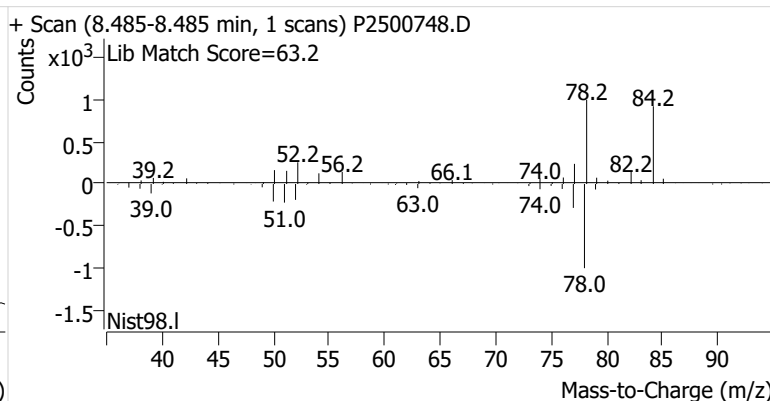
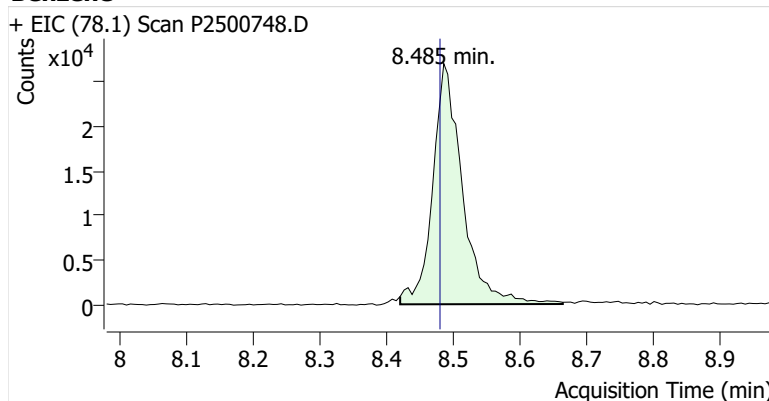


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	661,845	
Benzene	benzene-d6 (IS)	8.485	8.480	83,522	
Toluene-d8 (IS)		11.008	10.990	964,157	
Toluene	Toluene-d8 (IS)	11.097	11.085	79,431	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	16,776	
m-/p-Xylenes	Toluene-d8 (IS)	13.447	13.418	33,490	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	14,778	

benzene-d6 (IS)

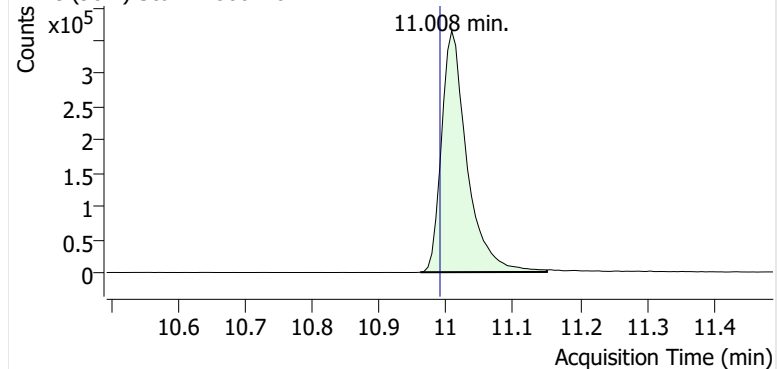


Benzene

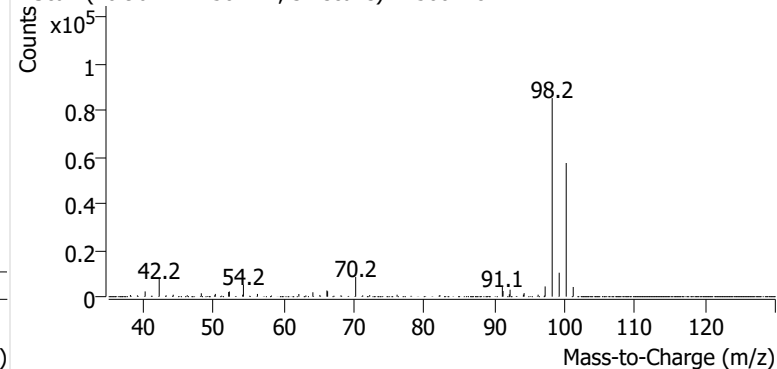


Toluene-d8 (IS)

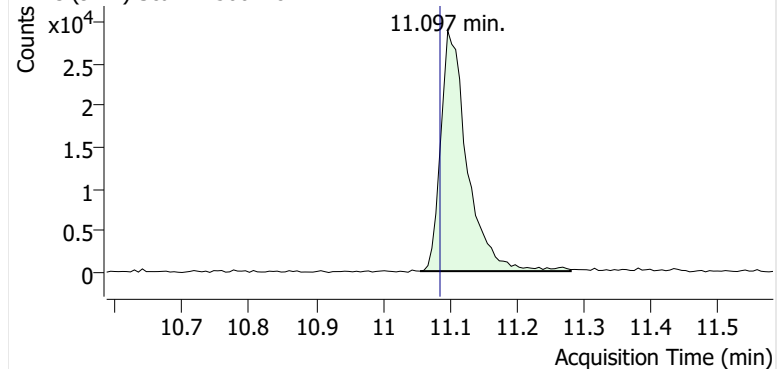
+ EIC (98.1) Scan P2500748.D



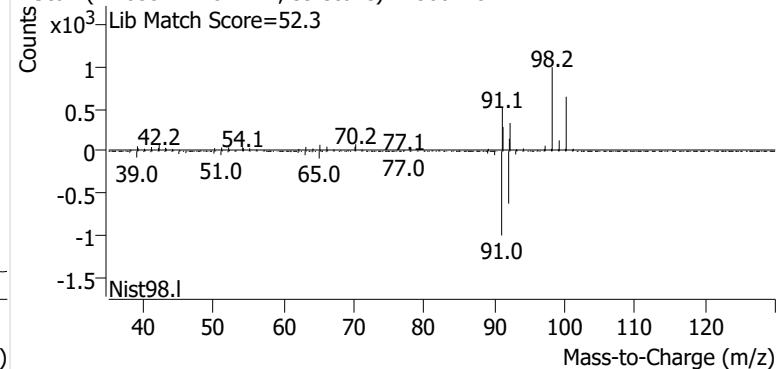
+ Scan (10.961-11.150 min, 32 scans) P2500748.D

**Toluene**

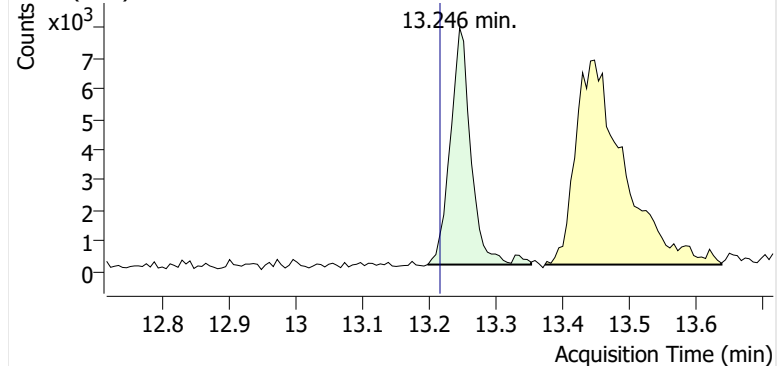
+ EIC (91.1) Scan P2500748.D



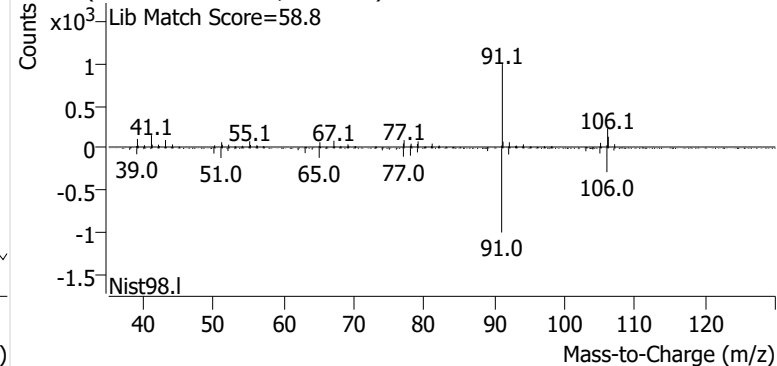
+ Scan (11.055-11.281 min, 39 scans) P2500748.D

**Ethylbenzene**

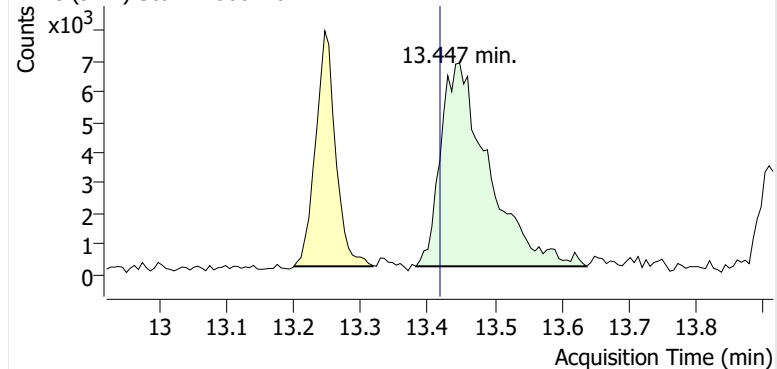
+ EIC (91.1) Scan P2500748.D



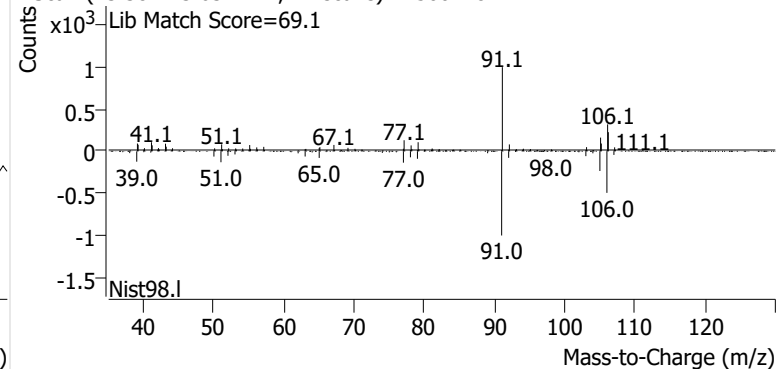
+ Scan (13.198-13.352 min, 27 scans) P2500748.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500748.D

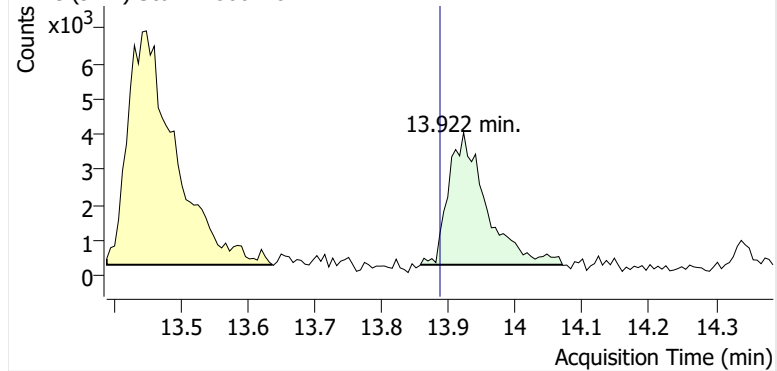


+ Scan (13.382-13.637 min, 44 scans) P2500748.D

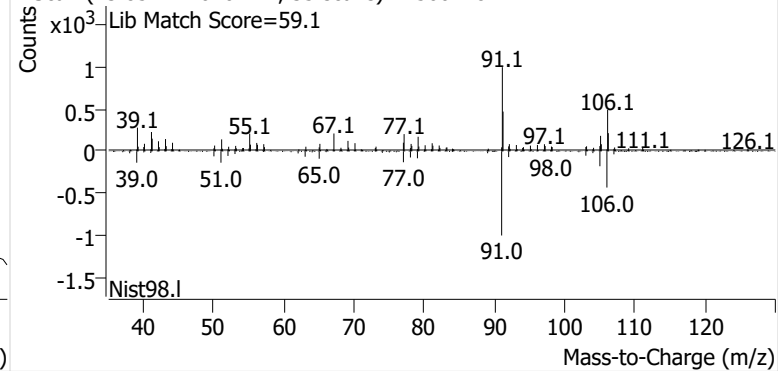


o-Xylene

+ EIC (91.1) Scan P2500748.D

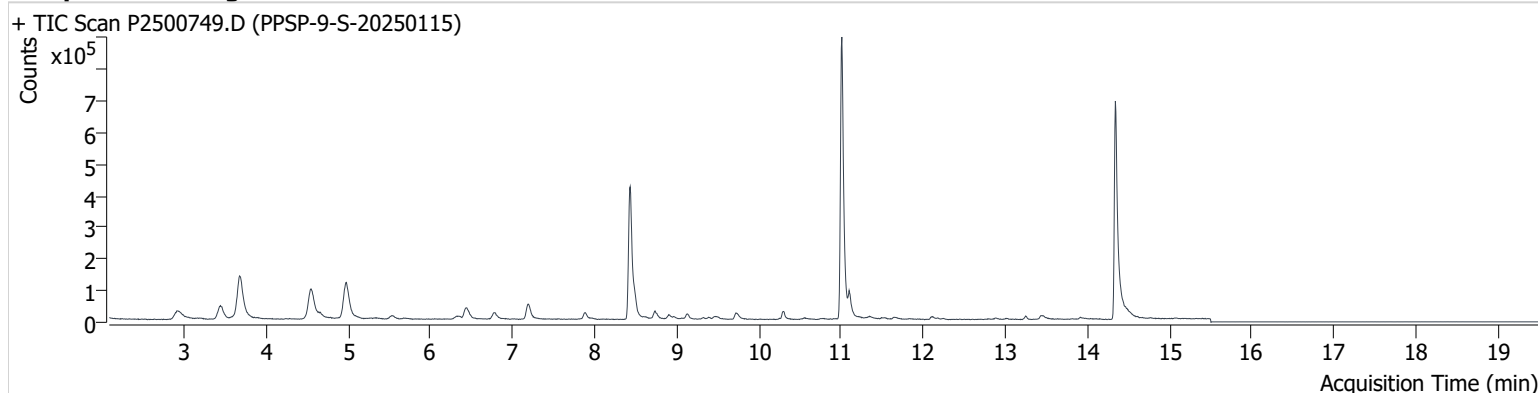


+ Scan (13.857-14.070 min, 35 scans) P2500748.D



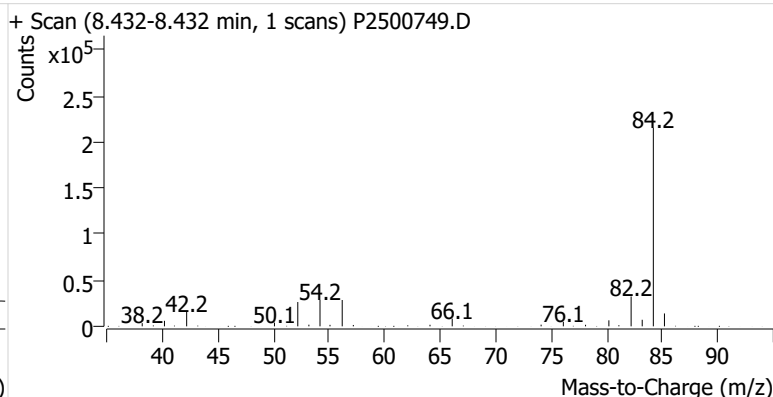
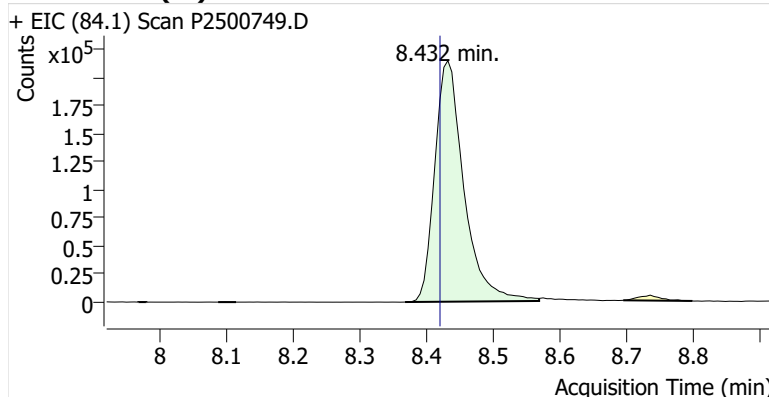
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Comment B47831
Data File P2500749.D
Acq. Date-Time 2/1/2025 8:41:11 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

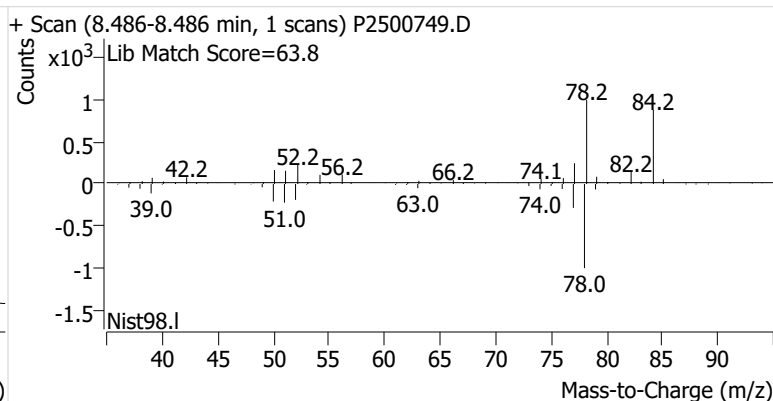
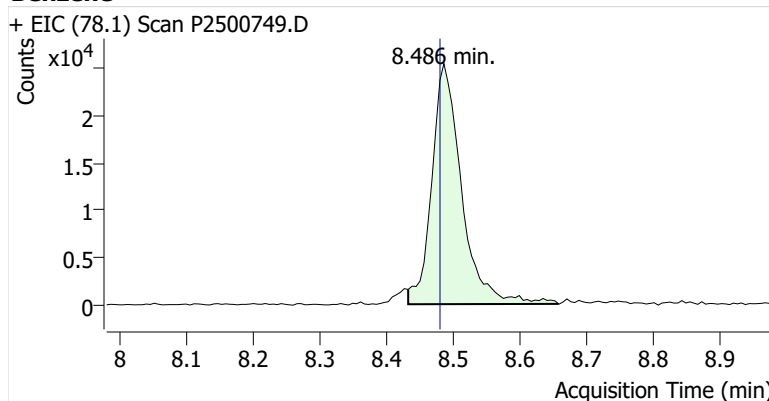


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	649,403	
Benzene	benzene-d6 (IS)	8.486	8.480	78,651	
Toluene-d8 (IS)		11.008	10.990	947,566	
Toluene	Toluene-d8 (IS)	11.097	11.085	73,684	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	10,253	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	22,793	
o-Xylene	Toluene-d8 (IS)	13.911	13.887	8,712	

benzene-d6 (IS)

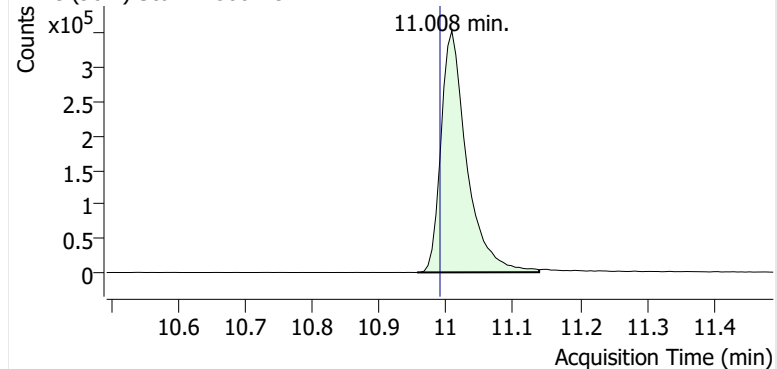


Benzene

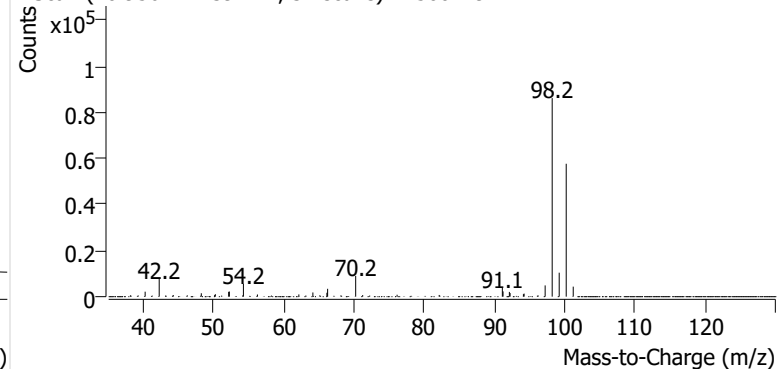


Toluene-d8 (IS)

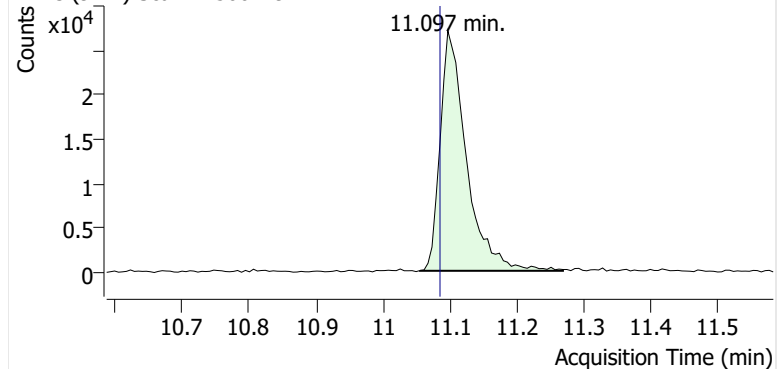
+ EIC (98.1) Scan P2500749.D



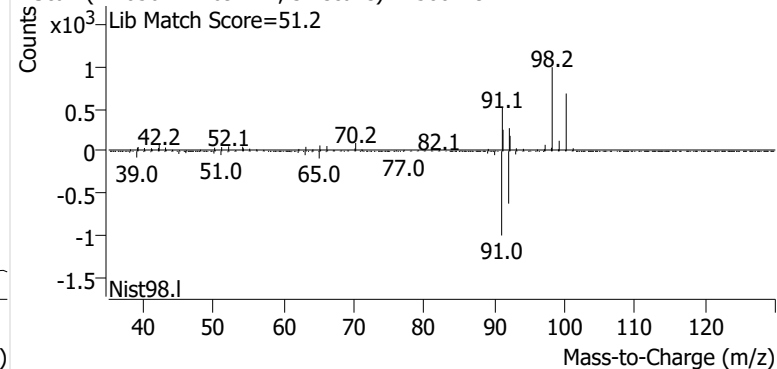
+ Scan (10.956-11.139 min, 31 scans) P2500749.D

**Toluene**

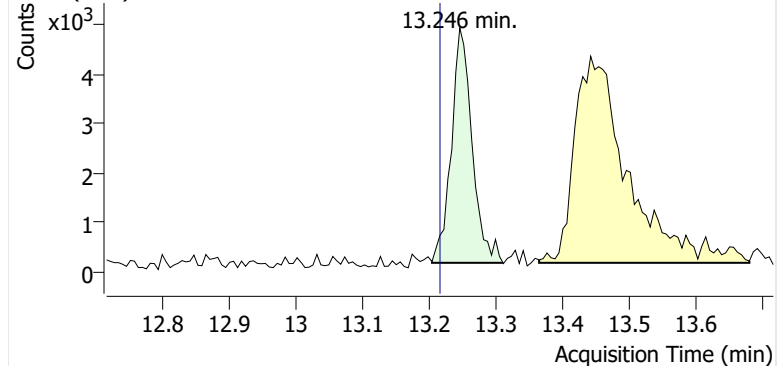
+ EIC (91.1) Scan P2500749.D



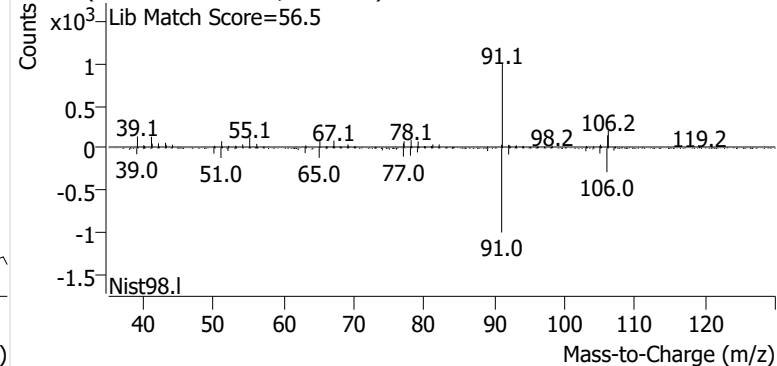
+ Scan (11.056-11.269 min, 37 scans) P2500749.D

**Ethylbenzene**

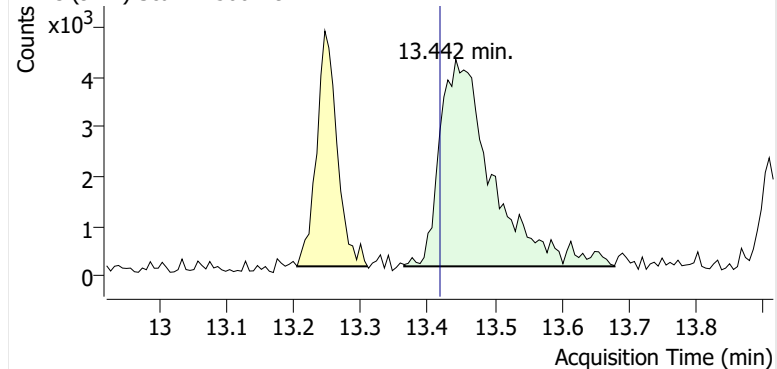
+ EIC (91.1) Scan P2500749.D



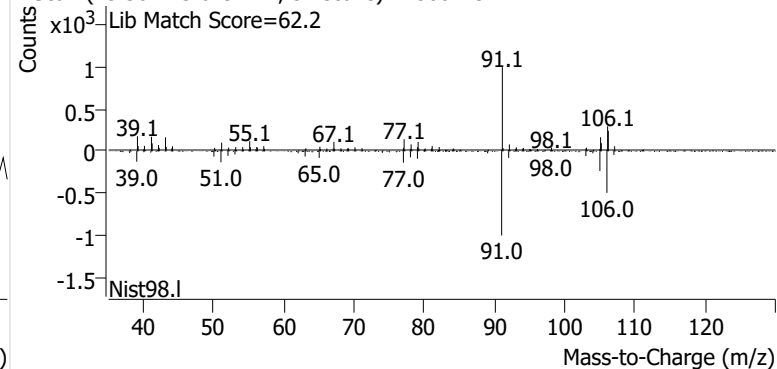
+ Scan (13.204-13.310 min, 18 scans) P2500749.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500749.D

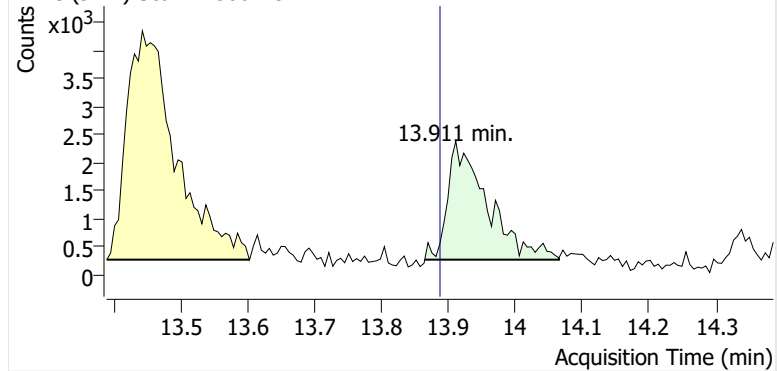


+ Scan (13.364-13.679 min, 54 scans) P2500749.D

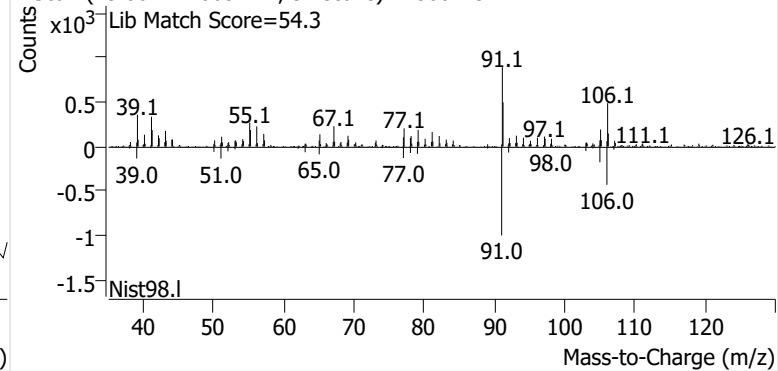


o-Xylene

+ EIC (91.1) Scan P2500749.D

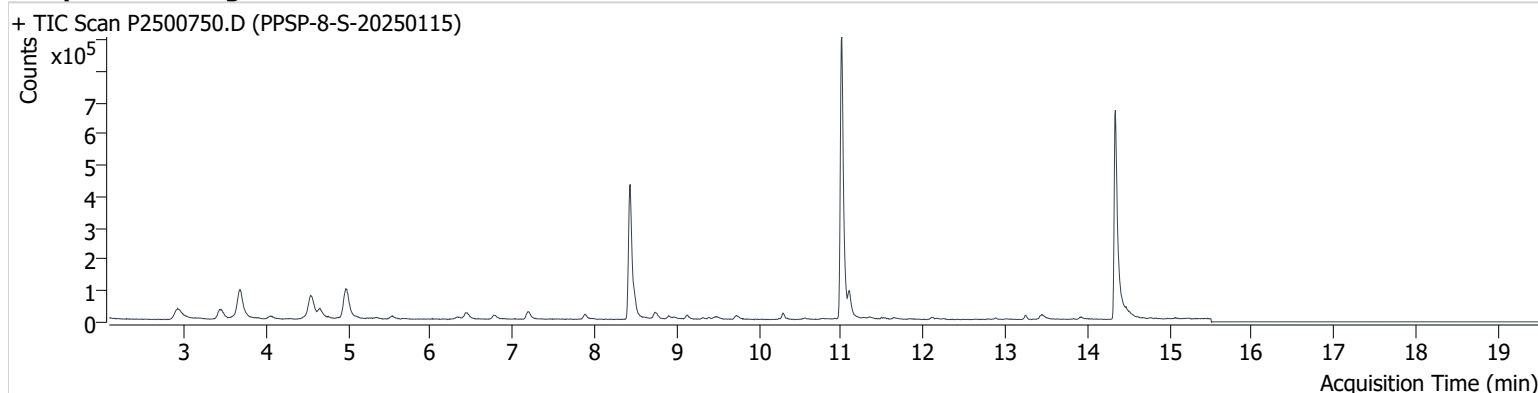


+ Scan (13.864-14.065 min, 34 scans) P2500749.D



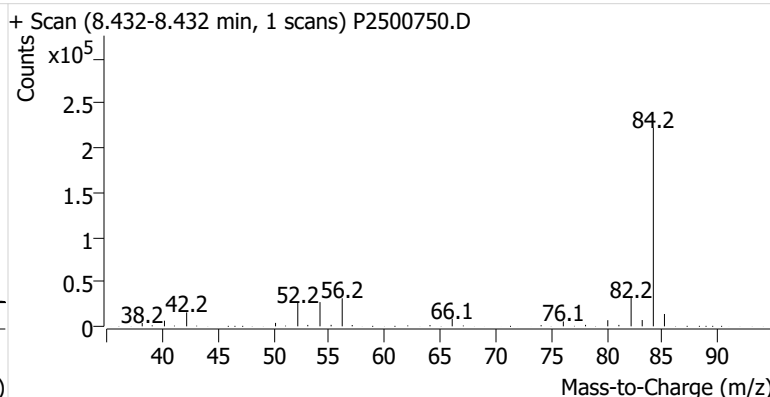
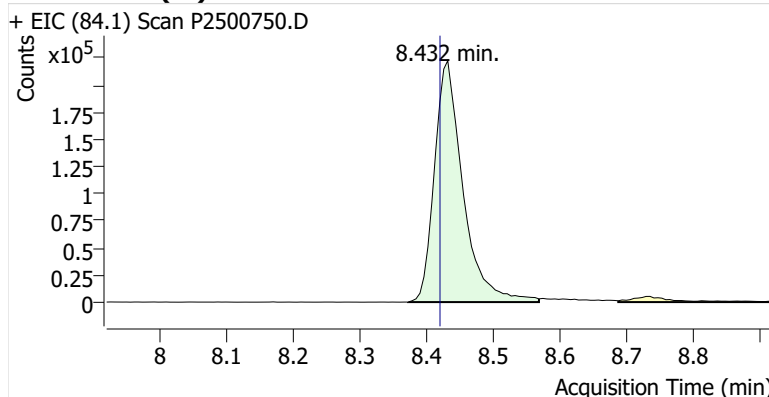
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Comment B35455
Data File P2500750.D
Acq. Date-Time 2/1/2025 9:19:01 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

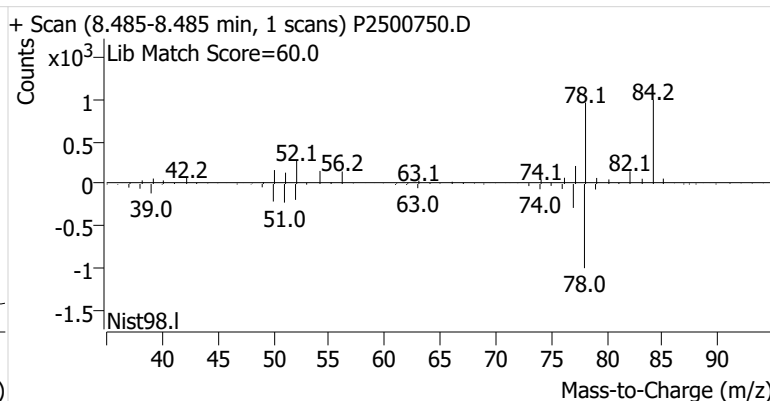
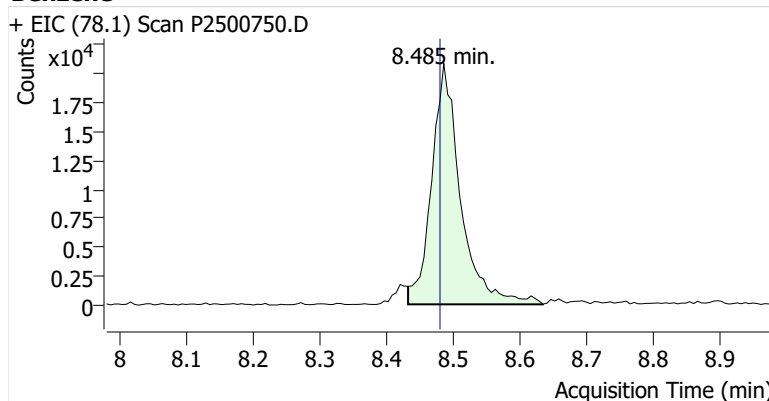


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	658,527	
Benzene	benzene-d6 (IS)	8.485	8.480	62,374	
Toluene-d8 (IS)		11.008	10.990	966,722	
Toluene	Toluene-d8 (IS)	11.103	11.085	79,494	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	12,625	
m-/p-Xylenes	Toluene-d8 (IS)	13.441	13.418	23,659	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	9,421	

benzene-d6 (IS)

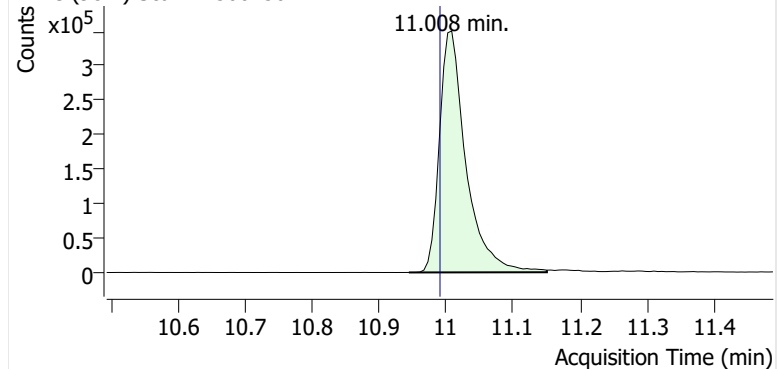


Benzene

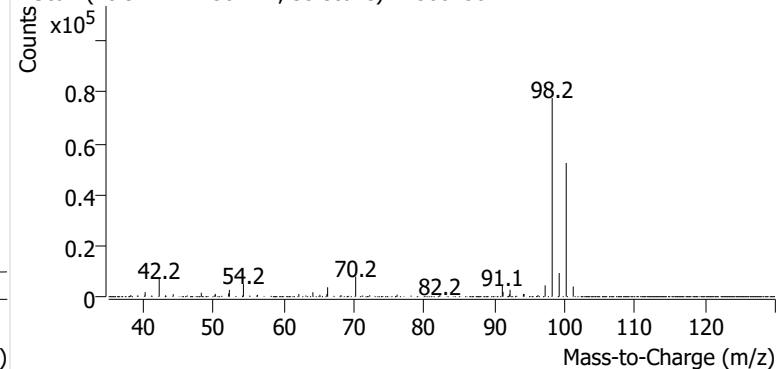


Toluene-d8 (IS)

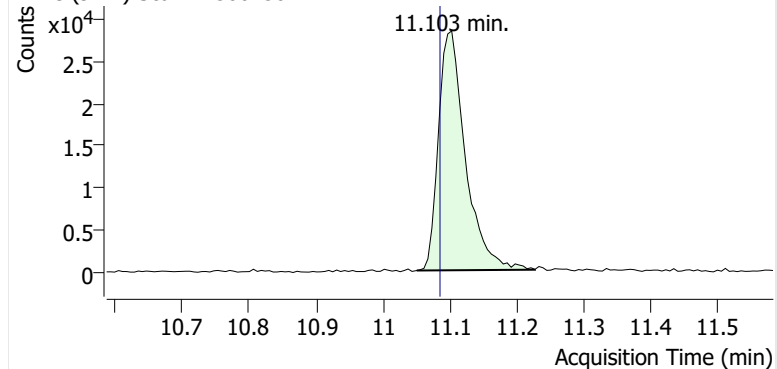
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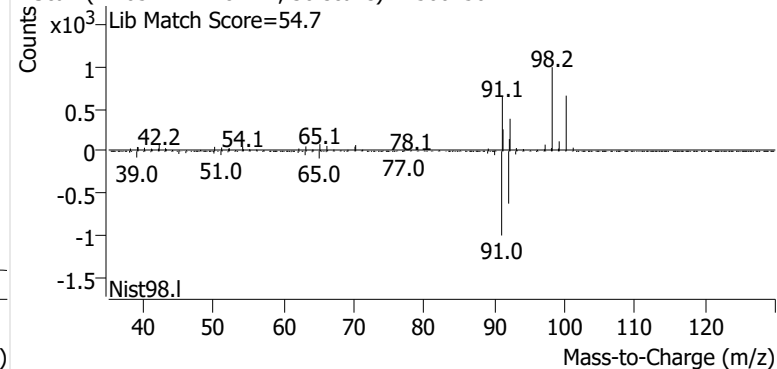
+ Scan (10.944-11.150 min, 35 scans) P2500750.D

**Toluene**

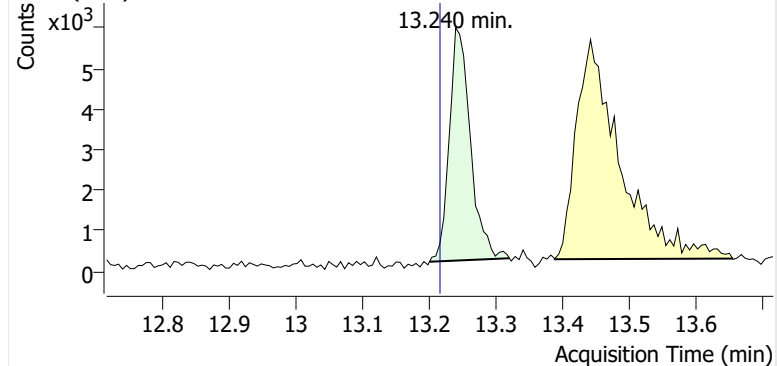
+ EIC (91.1) Scan P2500750.D



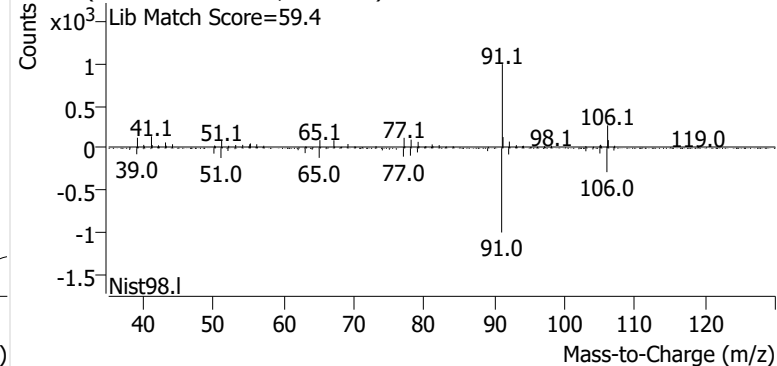
+ Scan (11.051-11.228 min, 30 scans) P2500750.D

**Ethylbenzene**

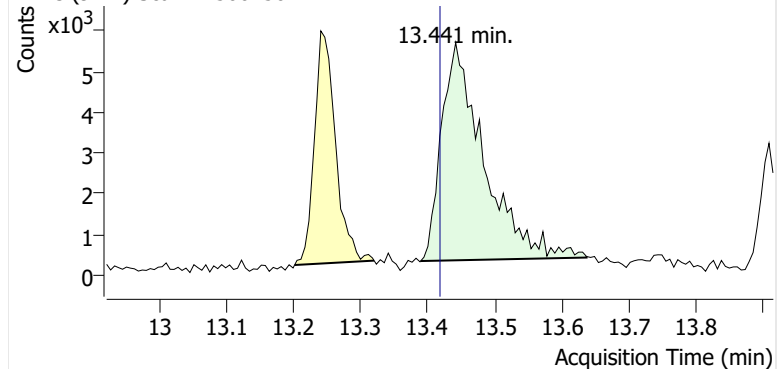
+ EIC (91.1) Scan P2500750.D



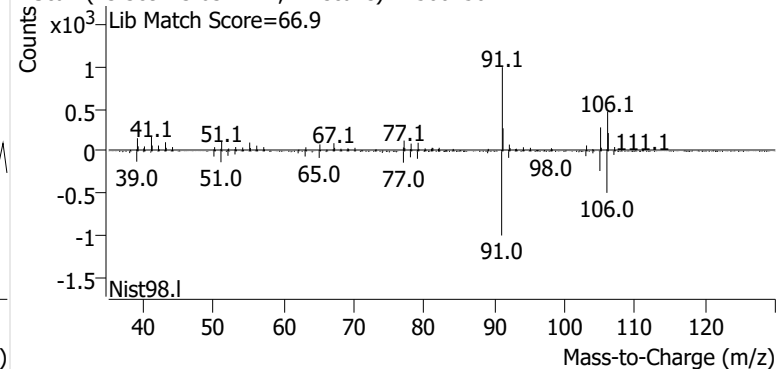
+ Scan (13.200-13.320 min, 20 scans) P2500750.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500750.D

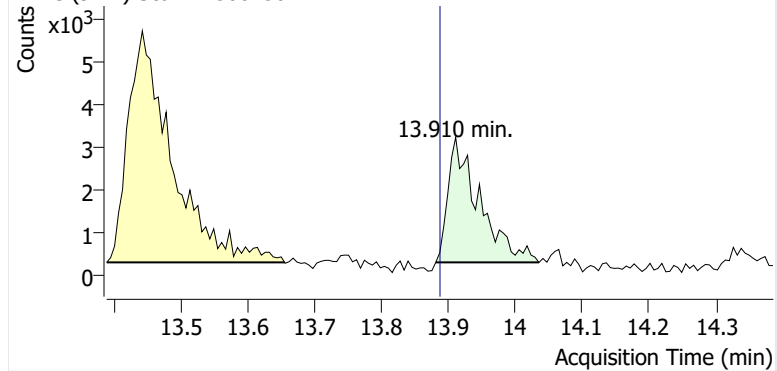


+ Scan (13.389-13.637 min, 42 scans) P2500750.D

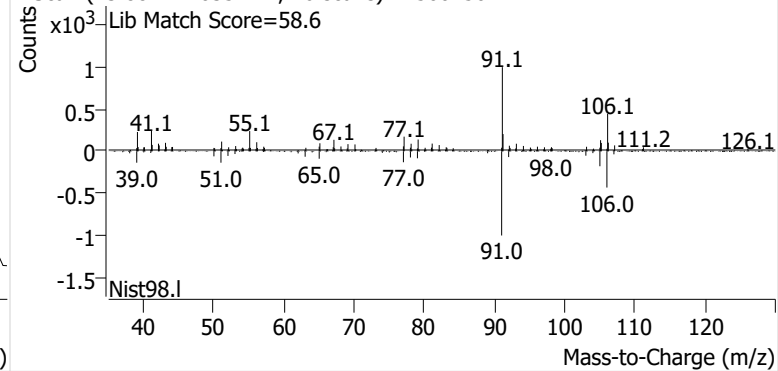


o-Xylene

+ EIC (91.1) Scan P2500750.D

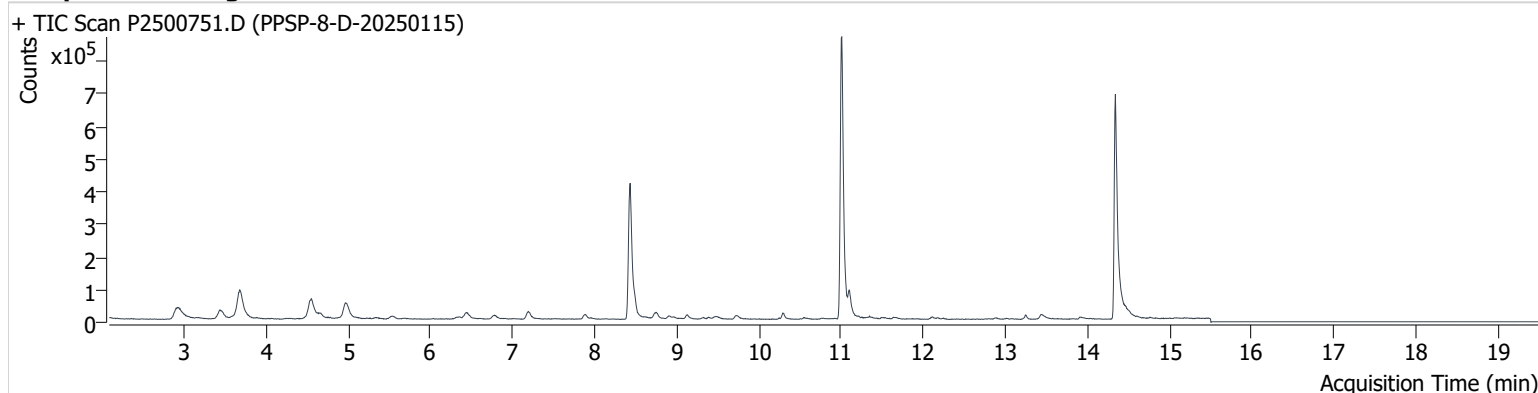


+ Scan (13.881-14.035 min, 26 scans) P2500750.D



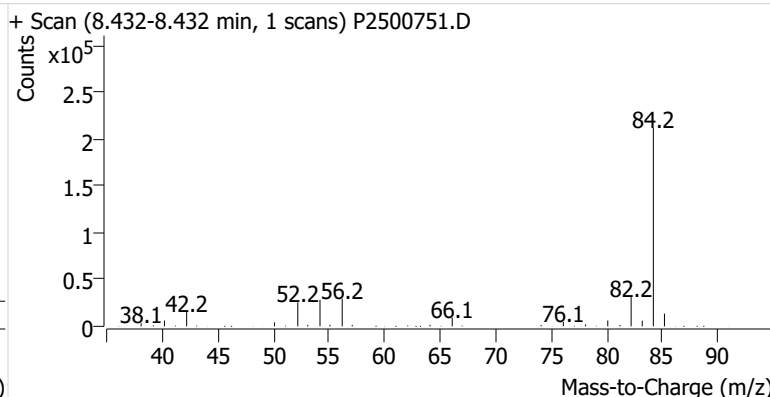
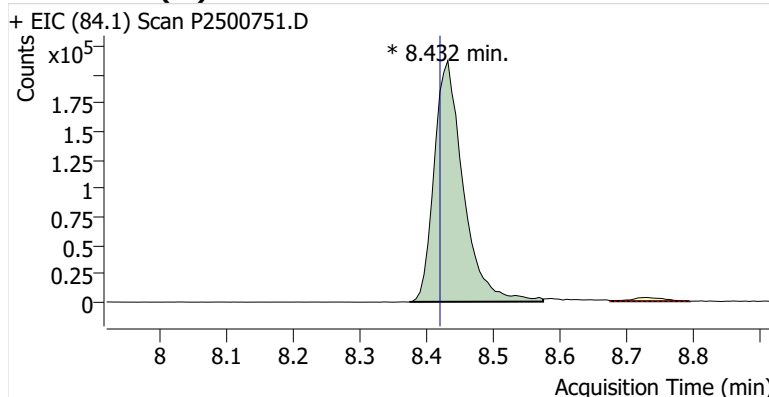
Name PPSP-8-D-20250115
Comment C24117
Data File P2500751.D
Acq. Date-Time 2/1/2025 9:56:51 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

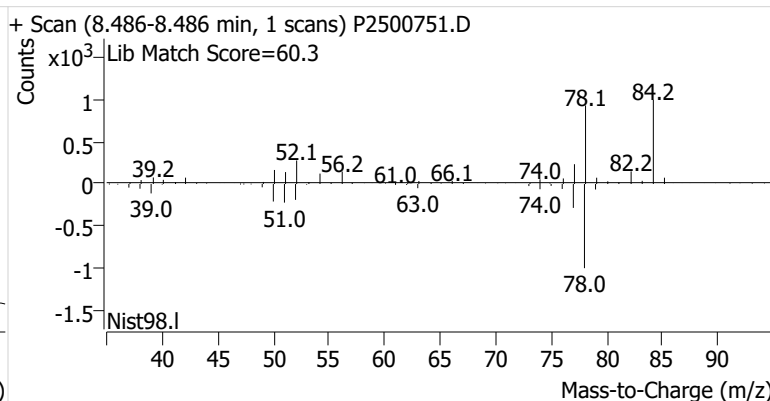
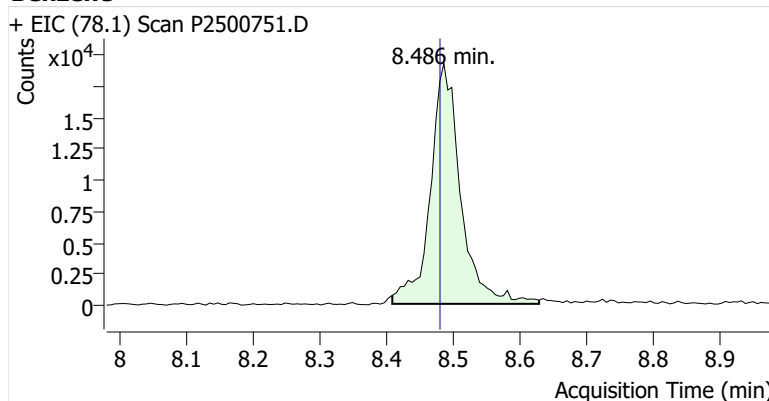


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	640,804	m
Benzene	benzene-d6 (IS)	8.486	8.480	60,584	
Toluene-d8 (IS)		11.002	10.990	948,404	
Toluene	Toluene-d8 (IS)	11.097	11.085	75,091	
Ethylbenzene	Toluene-d8 (IS)	13.246	13.216	11,452	
m-/p-Xylenes	Toluene-d8 (IS)	13.430	13.418	22,758	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	7,986	

benzene-d6 (IS)

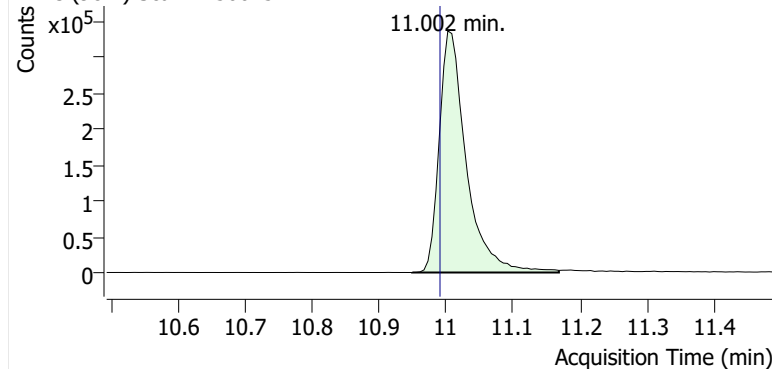


Benzene

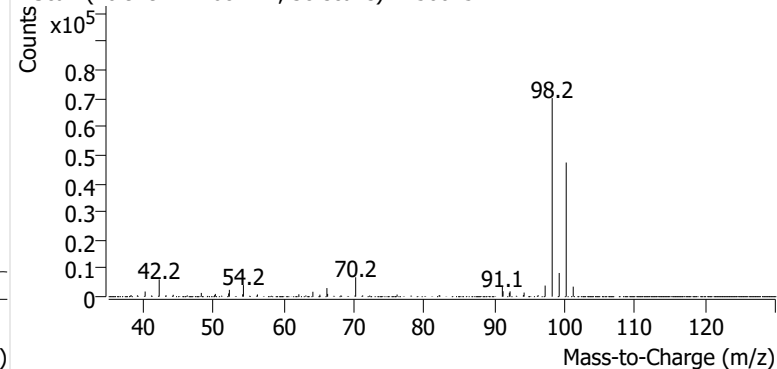


Toluene-d8 (IS)

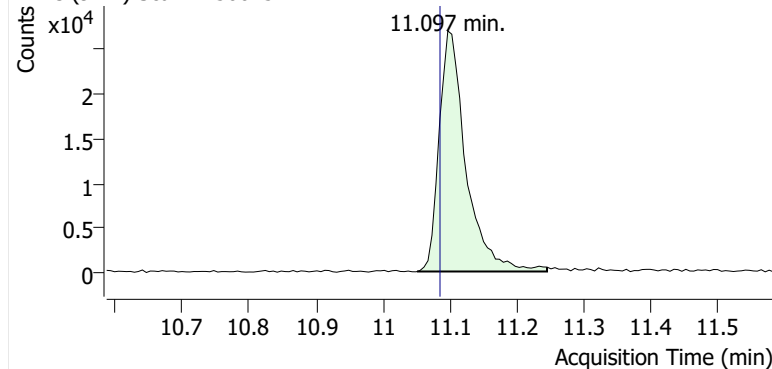
+ EIC (98.1) Scan P2500751.D



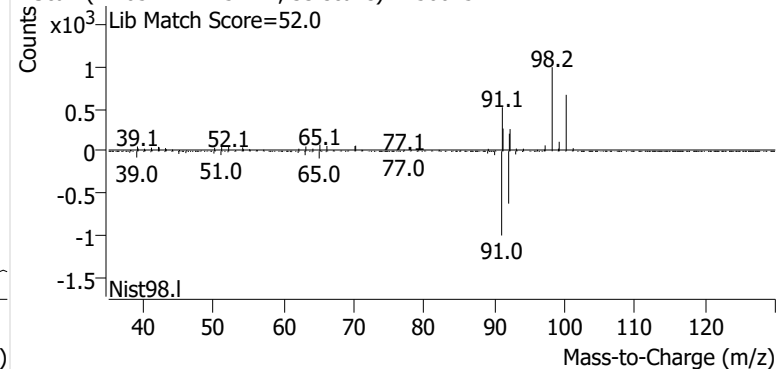
+ Scan (10.949-11.168 min, 38 scans) P2500751.D

**Toluene**

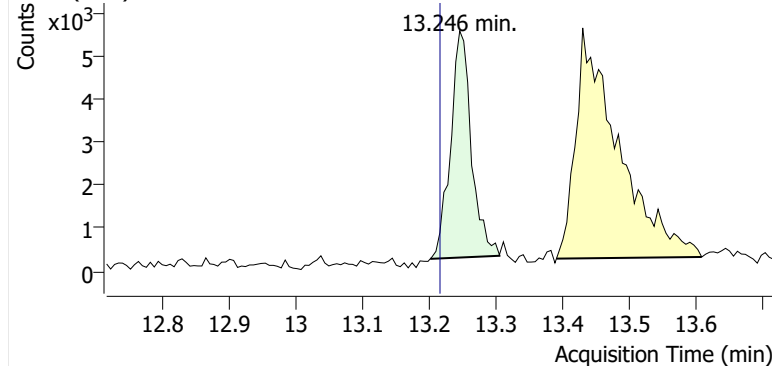
+ EIC (91.1) Scan P2500751.D



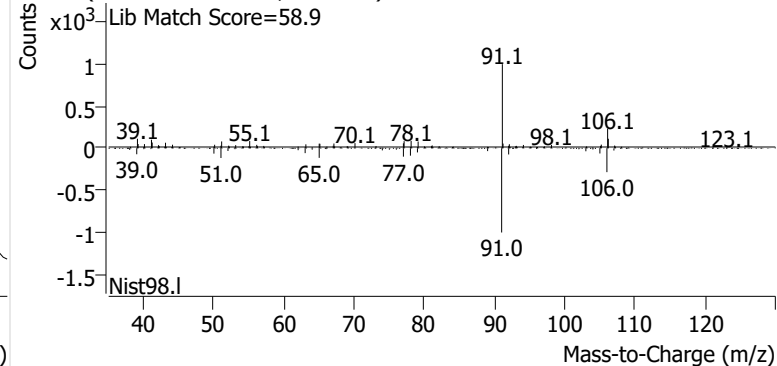
+ Scan (11.051-11.245 min, 33 scans) P2500751.D

**Ethylbenzene**

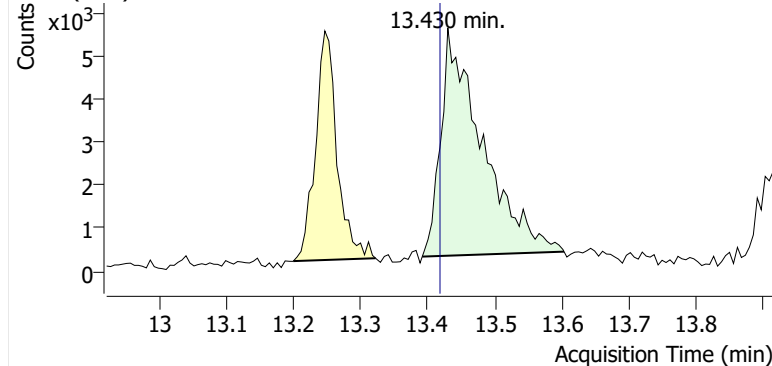
+ EIC (91.1) Scan P2500751.D



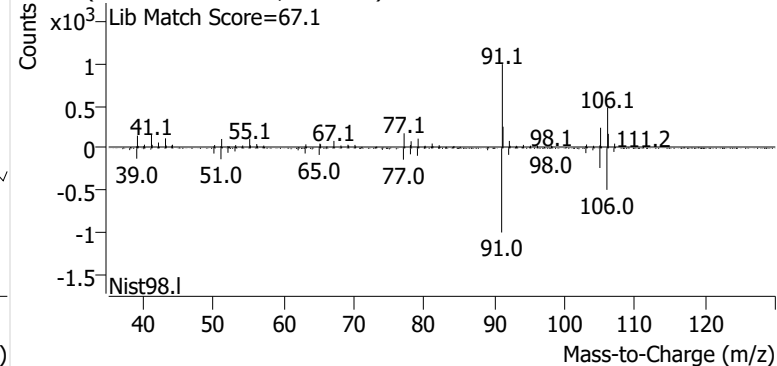
+ Scan (13.202-13.305 min, 18 scans) P2500751.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500751.D

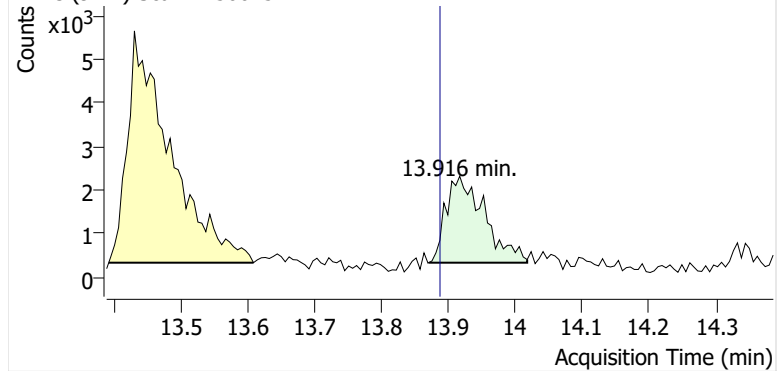


+ Scan (13.391-13.604 min, 36 scans) P2500751.D

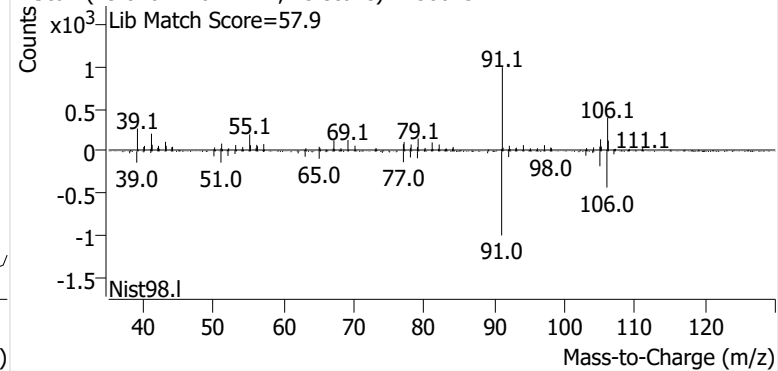


o-Xylene

+ EIC (91.1) Scan P2500751.D

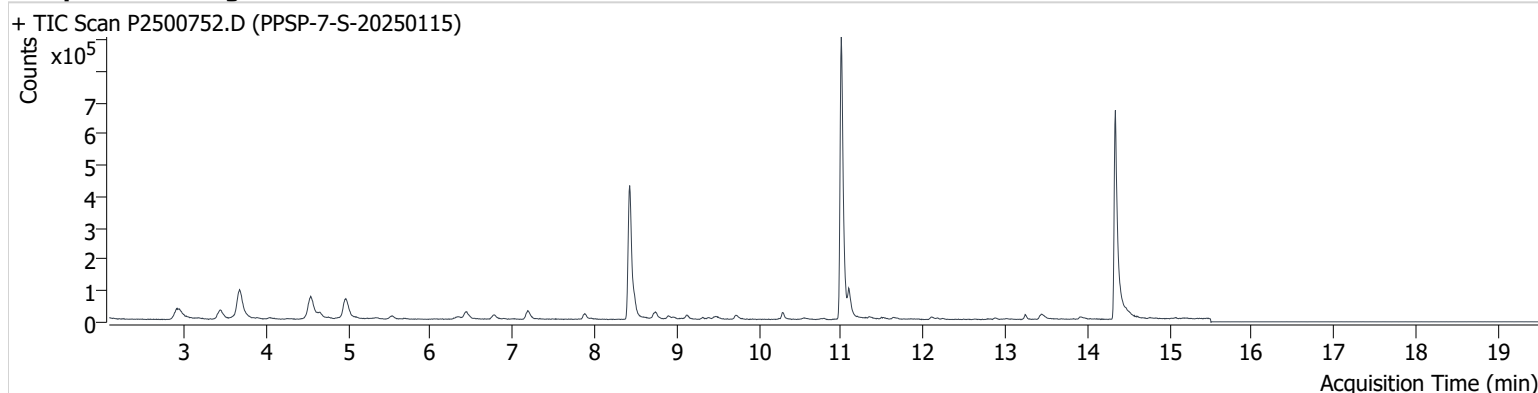


+ Scan (13.870-14.017 min, 25 scans) P2500751.D



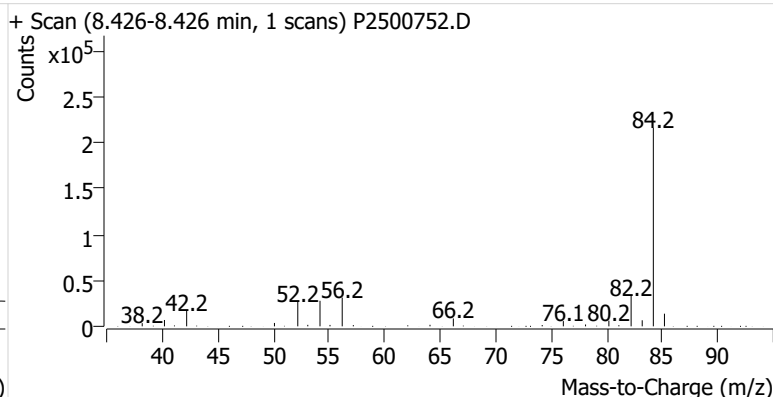
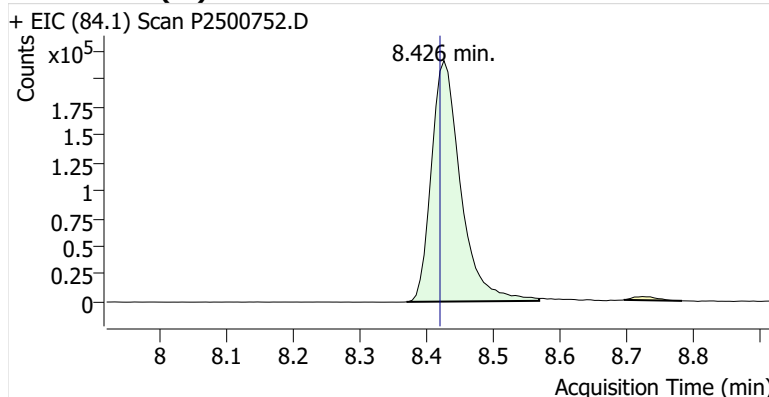
Name PPSP-7-S-20250115
Comment B46246
Data File P2500752.D
Acq. Date-Time 2/1/2025 10:34:43 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

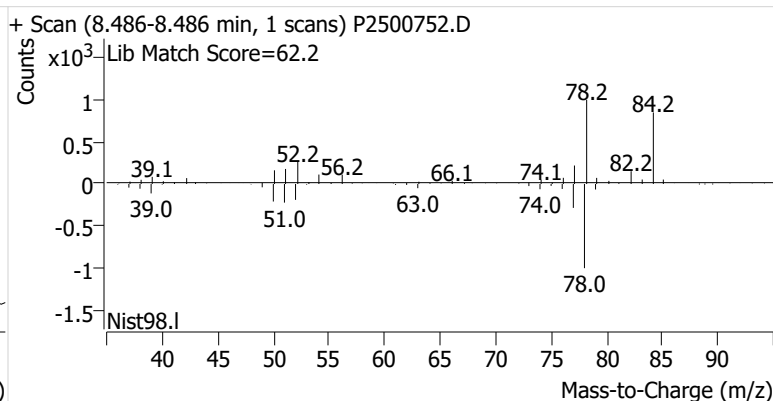
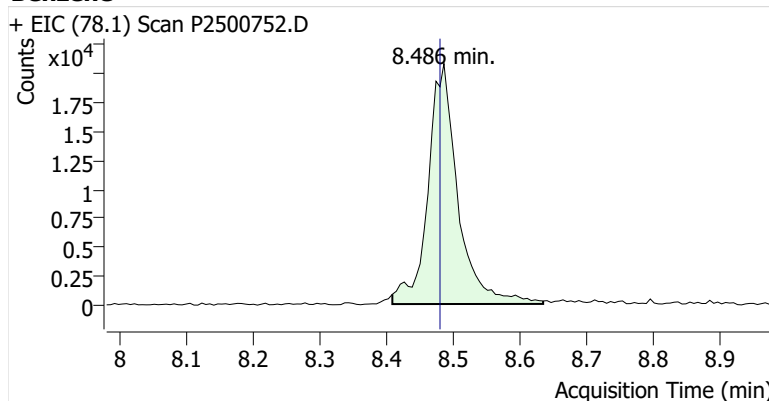


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	657,583	
Benzene	benzene-d6 (IS)	8.486	8.480	64,790	
Toluene-d8 (IS)		11.002	10.990	961,279	
Toluene	Toluene-d8 (IS)	11.091	11.085	85,078	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	15,245	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.418	30,259	
o-Xylene	Toluene-d8 (IS)	13.905	13.887	11,322	

benzene-d6 (IS)

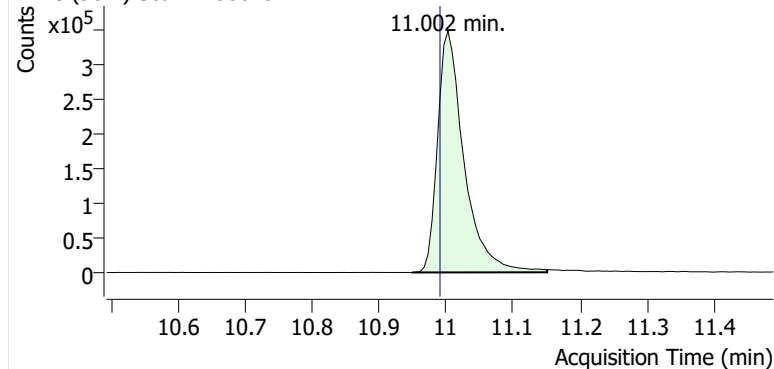


Benzene

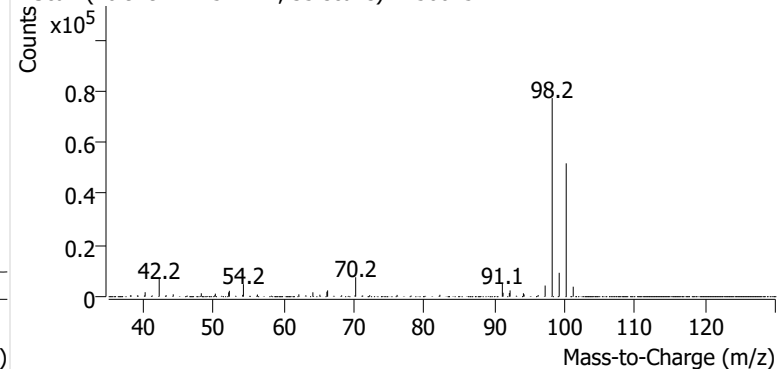


Toluene-d8 (IS)

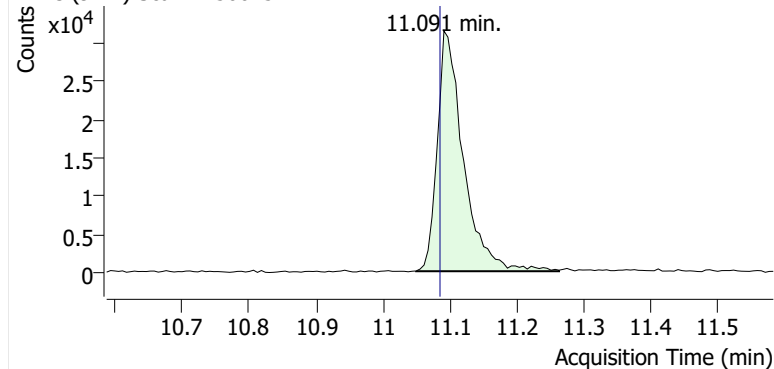
+ EIC (98.1) Scan P2500752.D



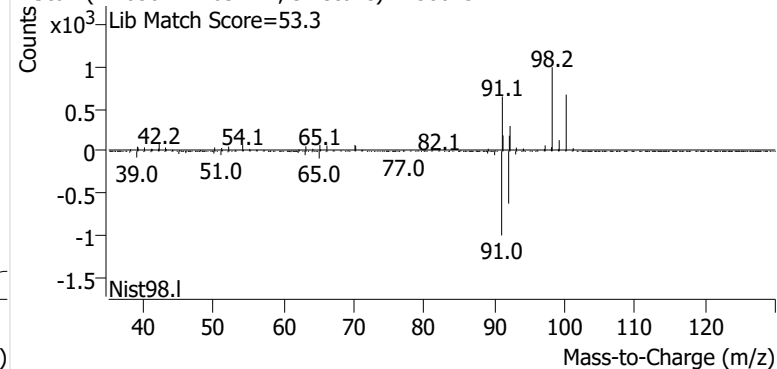
+ Scan (10.949-11.151 min, 35 scans) P2500752.D

**Toluene**

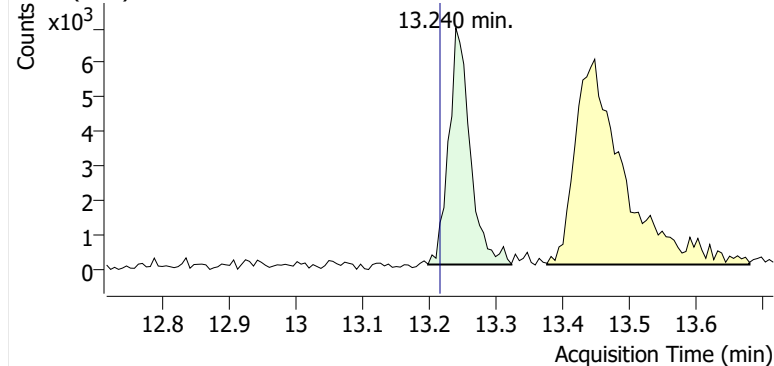
+ EIC (91.1) Scan P2500752.D



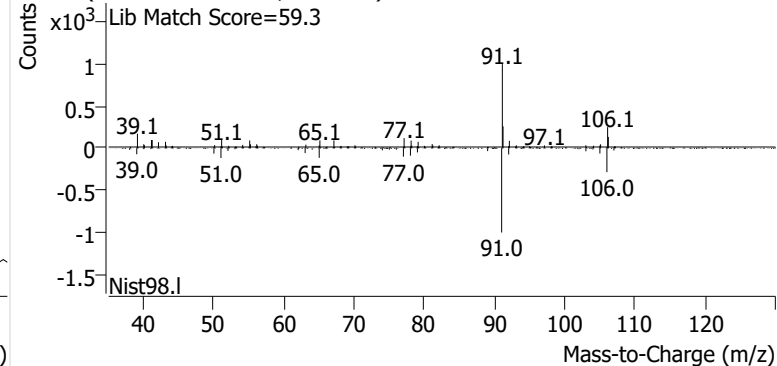
+ Scan (11.050-11.263 min, 37 scans) P2500752.D

**Ethylbenzene**

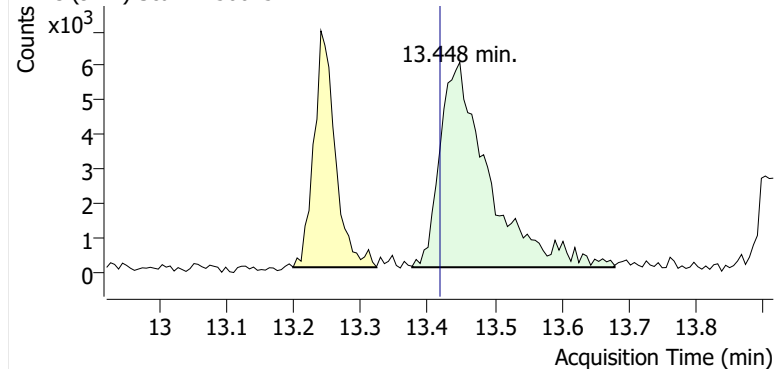
+ EIC (91.1) Scan P2500752.D



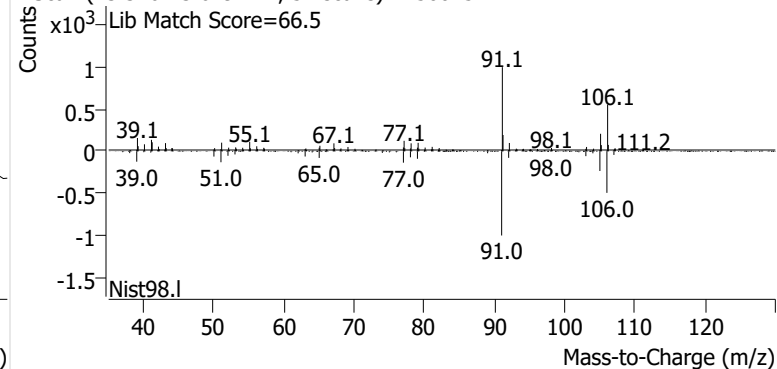
+ Scan (13.198-13.323 min, 22 scans) P2500752.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2500752.D

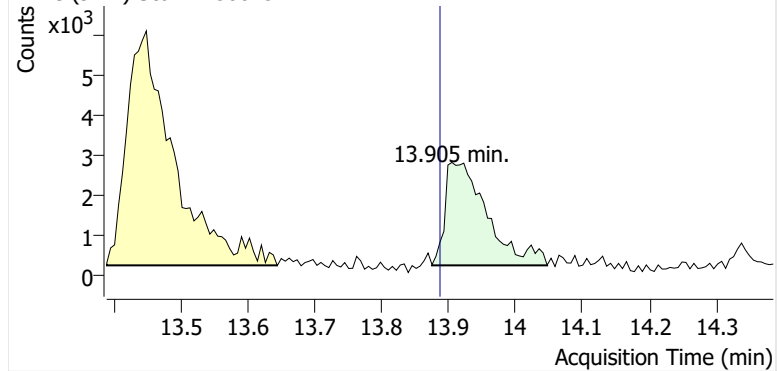


+ Scan (13.376-13.679 min, 52 scans) P2500752.D

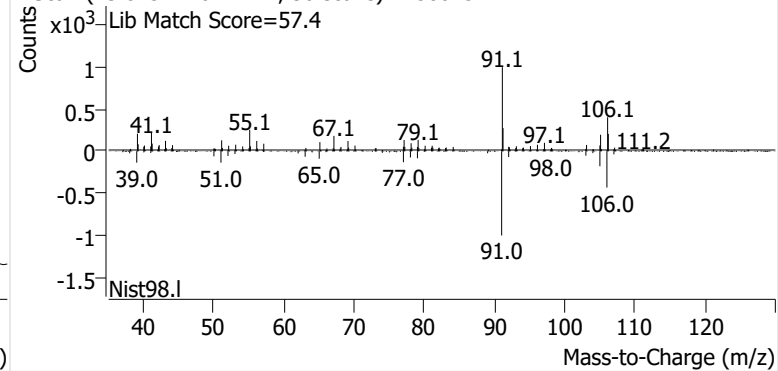


o-Xylene

+ EIC (91.1) Scan P2500752.D



+ Scan (13.875-14.047 min, 30 scans) P2500752.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	Cal	0.856	0.951	0.856	-10%	-8.4%		Pass	
2025FW103_Method Blank	Blank		0.951	0.856			4.4%	Pass	ND
M325B CCV 5	Check	0.869	0.951	0.856	-8.6%		5.0%	Pass	
M325B CCV 5	Check	0.856	0.951	0.856	-10%		5.7%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	Cal	0.945	0.941	0.945	0.42%	-4.6%		Pass	
2025FW103_Method Blank	Blank		0.941	0.945			-0.68%	Pass	ND
M325B CCV 5	Check	0.936	0.941	0.945	-0.53%		1.9%	Pass	
M325B CCV 5	Check	0.932	0.941	0.945	-0.95%		1.1%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	Cal	0.641	0.664	0.641	-3.4%	-4.6%		Pass	
2025FW103_Method Blank	Blank		0.664	0.641			-0.68%	Pass	ND
M325B CCV 5	Check	0.671	0.664	0.641	1.1%		1.9%	Pass	
M325B CCV 5	Check	0.745	0.664	0.641	12%		1.1%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	Cal	0.745	0.700	0.745	6.3%	-4.6%		Pass	
2025FW103_Method Blank	Blank		0.700	0.745			-0.68%	Pass	ND
M325B CCV 5	Check	0.744	0.700	0.745	6.3%		1.9%	Pass	
M325B CCV 5	Check	0.747	0.700	0.745	6.7%		1.1%	Pass	

Toluene Calibration and Blanks

Sample Code	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	Cal	0.815	0.881	0.815	-7.5%	-4.6%		Pass	
2025FW103_Method Blank	Blank		0.881	0.815			-0.68%	Pass	ND
M325B CCV 5	Check	0.818	0.881	0.815	-7.1%		1.9%	Pass	
M325B CCV 5	Check	0.809	0.881	0.815	-8.1%		1.1%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	Benzene	1	P2407318.D	5.27	46469	91.7	708108	1.141	20%
P122324A_CC233829.quantmethod.xml	Benzene	2	P2407319.D	10.55	79726	91.7	699053	0.991	4.2%
P122324A_CC233829.quantmethod.xml	Benzene	3	P2407320.D	21.09	151466	91.7	698443	0.943	-0.90%
P122324A_CC233829.quantmethod.xml	Benzene	4	P2407321.D	42.19	277015	91.7	685944	0.878	-7.7%
P122324A_CC233829.quantmethod.xml	Benzene	5	P2407322.D	105.47	675480	91.7	677510	0.867	-8.9%
P122324A_CC233829.quantmethod.xml	Benzene	6	P2407323.D	210.94	1471865	91.7	686630	0.932	-2.0%
P122324A_CC233829.quantmethod.xml	Benzene	7	P2407324.D	632.83	4275232	91.7	682909	0.907	-4.6%
						Avg:	691228	0.951	
						%RSD:	1.6%	9.8%	
P122324A_CC233829.quantmethod.xml	Ethylbenzene	1	P2407318.D	5.42	46855	108.1	1014026	0.922	-2.1%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	2	P2407319.D	10.84	95467	108.1	1012752	0.940	-0.11%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	3	P2407320.D	21.68	191827	108.1	981836	0.974	3.5%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	4	P2407321.D	43.36	350131	108.1	981986	0.889	-5.5%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	5	P2407322.D	108.40	931881	108.1	978879	0.950	0.88%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	6	P2407323.D	216.80	1887679	108.1	987383	0.953	1.3%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	7	P2407324.D	650.40	5670692	108.1	981300	0.961	2.1%
						Avg:	991166	0.941	
						%RSD:	1.6%	3.0%	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	1	P2407318.D	5.46	28805	108.1	1014026	0.563	-15%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	2	P2407319.D	10.91	68718	108.1	1012752	0.672	1.3%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	3	P2407320.D	21.82	131192	108.1	981836	0.662	-0.28%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	4	P2407321.D	43.64	251198	108.1	981986	0.634	-4.5%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	5	P2407322.D	109.11	662877	108.1	978879	0.671	1.1%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	6	P2407323.D	218.22	1370970	108.1	987383	0.688	3.6%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	7	P2407324.D	654.66	4498190	108.1	981300	0.757	14%
						Avg:	991166	0.664	
						%RSD:	1.6%	8.8%	
P122324A_CC233829.quantmethod.xml	o-Xylene	1	P2407318.D	5.49	28907	108.1	1014026	0.562	-20%
P122324A_CC233829.quantmethod.xml	o-Xylene	2	P2407319.D	10.97	72791	108.1	1012752	0.708	1.2%
P122324A_CC233829.quantmethod.xml	o-Xylene	3	P2407320.D	21.94	141757	108.1	981836	0.711	1.6%
P122324A_CC233829.quantmethod.xml	o-Xylene	4	P2407321.D	43.88	284649	108.1	981986	0.714	2.0%
P122324A_CC233829.quantmethod.xml	o-Xylene	5	P2407322.D	109.71	704549	108.1	978879	0.709	1.3%
P122324A_CC233829.quantmethod.xml	o-Xylene	6	P2407323.D	219.42	1495351	108.1	987383	0.746	6.6%
P122324A_CC233829.quantmethod.xml	o-Xylene	7	P2407324.D	658.25	4483368	108.1	981300	0.750	7.2%
						Avg:	991166	0.700	
						%RSD:	1.6%	9.1%	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW103-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829.quantmethod.xml	Toluene	1	P2407318.D	5.48	52745	108.1	1014026	1.027	17%
P122324A_CC233829.quantmethod.xml	Toluene	2	P2407319.D	10.95	91325	108.1	1012752	0.890	1.0%
P122324A_CC233829.quantmethod.xml	Toluene	3	P2407320.D	21.91	163062	108.1	981836	0.820	-7.0%
P122324A_CC233829.quantmethod.xml	Toluene	4	P2407321.D	43.81	346858	108.1	981986	0.872	-1.1%
P122324A_CC233829.quantmethod.xml	Toluene	5	P2407322.D	109.53	806463	108.1	978879	0.813	-7.7%
P122324A_CC233829.quantmethod.xml	Toluene	6	P2407323.D	219.07	1812110	108.1	987383	0.906	2.8%
P122324A_CC233829.quantmethod.xml	Toluene	7	P2407324.D	657.20	5004765	108.1	981300	0.839	-4.8%
						Avg:	991166	0.881	
						%RSD:	1.6%	8.3%	
P122324A_CC233829.quantmethod.xml	Benzene	ICV	P2407325.D	64.66	415161	91.7	665622	0.884	-7%
P122324A_CC233829.quantmethod.xml	Ethylbenzene	ICV	P2407325.D	86.82	647916	108.1	943563	0.855	-9.2%
P122324A_CC233829.quantmethod.xml	m-/p-Xylenes	ICV	P2407325.D	90.37	523290	108.1	943563	0.663	-0.057%
P122324A_CC233829.quantmethod.xml	o-Xylene	ICV	P2407325.D	88.95	514715	108.1	943563	0.663	-5.3%
P122324A_CC233829.quantmethod.xml	Toluene	ICV	P2407325.D	77.12	539426	108.1	943563	0.801	-9%

**This Is The Last Page
Of This Report.**



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 15

Analytical Report (2025FW104)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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Report Issued: xx/xx/xxxx



Summary of Results

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20250129	C35777	0.821	Pc	1.16	P		ND	0.447	J,Pc		ND
PPSP-5-S-20250129	B19353	0.786	Pc	1.14	P		ND	0.380	J,Pc		ND
PPSP-4-S-20250129	B20603	0.832	Pc	1.18	P		ND	0.463	J,Pc		ND
PPSP-3-S-20250129	C17264	0.758	Pc	1.05	P		ND	0.443	J,Pc		ND
PPSP-2-S-20250129	B48156	1.08	Pc	1.05	P		ND	0.325	J,Pc		ND
PPSP-1-B-20250129	C56835		ND,Pc	0.265	J,P		ND		ND,Pc		ND
PPSP-1-S-20250129	C38597	1.14	Pc	1.00	P		ND	0.325	J,Pc		ND
PPSP-13-S-20250129	C56842	1.10	Pc	1.17	P		ND	0.459	J,Pc		ND
PPSP-12-S-20250129	B19705	1.55	Pc	1.36	P		ND	0.601	J,Pc		ND
PPSP-11-S-20250129	B27849	1.39	Pc	1.19	P		ND	0.387	J,Pc		ND
PPSP-10-S-20250129	B44475	1.06	Pc	1.24	P		ND	0.370	J,Pc		ND
PPSP-9-S-20250129	C56822	0.920	Pc	1.03	P		ND	0.492	J,Pc		ND
PPSP-8-S-20250129	B43583	0.583	Pc	0.772	P		ND		ND,Pc		ND
PPSP-8-D-20250129	C55483	0.818	Pc	1.13	P		ND	0.574	J,Pc		ND
PPSP-7-S-20250129	C34258	0.805	Pc	1.26	P		ND	0.623	Pc		ND

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250129	C35777	0.821	0.257	10.5	21.0	0.634	20263	0.195	0.410	0.0609	0.129	Pc	P2501129.D	2025-02-15 06:06	0.823	8.480	62388	658700	91.7	8.426	0.2%
PPSP-5-S-20250129	B19353	0.786	0.246	10.1	21.0	0.634	20201	0.195	0.412	0.0611	0.129	Pc	P2501130.D	2025-02-15 06:43	0.823	8.474	60455	668803	91.7	8.420	1.8%
PPSP-4-S-20250129	B20603	0.832	0.260	10.7	21.0	0.634	20202	0.195	0.412	0.0611	0.129	Pc	P2501131.D	2025-02-15 07:21	0.823	8.486	64177	670858	91.7	8.426	2.1%
PPSP-3-S-20250129	C17264	0.758	0.238	9.71	21.0	0.634	20202	0.195	0.412	0.0611	0.129	Pc	P2501132.D	2025-02-15 07:58	0.823	8.486	58408	669523	91.7	8.420	1.9%
PPSP-2-S-20250129	B48156	1.08	0.338	13.8	21.0	0.634	20205	0.195	0.412	0.0611	0.129	Pc	P2501133.D	2025-02-15 08:35	0.823	8.480	83137	670043	91.7	8.426	2.0%
PPSP-1-B-20250129	C56835				21.0	0.634	20204	0.195	0.412	0.0611	0.129	ND,Pc	P2501128.D	2025-02-15 05:29	0.823	8.491	9531	666563	91.7	8.420	1.4%
PPSP-1-S-20250129	C38597	1.14	0.357	14.6	21.0	0.634	20204	0.195	0.412	0.0611	0.129	Pc	P2501134.D	2025-02-15 09:13	0.823	8.480	87665	669361	91.7	8.426	1.8%
PPSP-13-S-20250129	C56842	1.10	0.345	14.1	21.0	0.634	20203	0.195	0.412	0.0611	0.129	Pc	P2501135.D	2025-02-15 09:50	0.823	8.479	85220	671810	91.7	8.426	2.2%
PPSP-12-S-20250129	B19705	1.55	0.485	19.8	21.0	0.634	20200	0.195	0.412	0.0611	0.129	Pc	P2501136.D	2025-02-15 10:27	0.823	8.485	116788	655486	91.7	8.426	-0.3%
PPSP-11-S-20250129	B27849	1.39	0.437	17.9	21.0	0.634	20203	0.195	0.412	0.0611	0.129	Pc	P2501137.D	2025-02-15 11:05	0.823	8.486	104708	652597	91.7	8.432	-0.7%
PPSP-10-S-20250129	B44475	1.06	0.330	13.5	21.0	0.634	20204	0.195	0.412	0.0611	0.129	Pc	P2501139.D	2025-02-15 12:19	0.823	8.491	80624	664190	91.7	8.438	1.1%
PPSP-9-S-20250129	C56822	0.920	0.288	11.8	21.0	0.634	20203	0.195	0.412	0.0611	0.129	Pc	P2501140.D	2025-02-15 12:57	0.823	8.498	67674	639503	91.7	8.444	-2.7%
PPSP-8-S-20250129	B43583	0.583	0.183	7.47	21.0	0.634	20201	0.195	0.412	0.0611	0.129	Pc	P2501141.D	2025-02-15 13:34	0.823	8.497	43213	644341	91.7	8.444	-2.0%
PPSP-8-D-20250129	C55483	0.818	0.256	10.5	21.0	0.634	20201	0.195	0.412	0.0611	0.129	Pc	P2501142.D	2025-02-15 14:11	0.823	8.503	59715	634476	91.7	8.450	-3.5%
PPSP-7-S-20250129	C34258	0.805	0.252	10.3	21.0	0.634	20200	0.195	0.412	0.0611	0.129	Pc	P2501143.D	2025-02-15 14:48	0.823	8.497	59418	641567	91.7	8.450	-2.4%

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250129	C35777	1.16	0.307	11.5	21.0	0.492	20263	0.251	0.549	0.0666	0.146	P	P2501129.D	2025-02-15 06:06	0.747	11.091	75635	948595	108.1	11.002	-0.3%
PPSP-5-S-20250129	B19353	1.14	0.303	11.3	21.0	0.492	20201	0.251	0.551	0.0668	0.146	P	P2501130.D	2025-02-15 06:43	0.747	11.097	75149	959105	108.1	11.002	0.8%
PPSP-4-S-20250129	B20603	1.18	0.315	11.8	21.0	0.492	20202	0.251	0.551	0.0668	0.146	P	P2501131.D	2025-02-15 07:21	0.747	11.097	78718	967472	108.1	11.002	1.7%
PPSP-3-S-20250129	C17264	1.05	0.279	10.4	21.0	0.492	20202	0.251	0.551	0.0668	0.146	P	P2501132.D	2025-02-15 07:58	0.747	11.091	68559	951163	108.1	11.002	0.0%
PPSP-2-S-20250129	B48156	1.05	0.279	10.4	21.0	0.492	20205	0.251	0.551	0.0668	0.146	P	P2501133.D	2025-02-15 08:35	0.747	11.097	68400	949157	108.1	11.002	-0.3%
PPSP-1-B-20250129	C56835	0.265	0.0704	2.64	21.0	0.492	20204	0.251	0.551	0.0668	0.146	J,P	P2501128.D	2025-02-15 05:29	0.747	11.097	17188	944287	108.1	11.002	-0.8%
PPSP-1-S-20250129	C38597	1.00	0.267	9.99	21.0	0.492	20204	0.251	0.551	0.0668	0.146	P	P2501134.D	2025-02-15 09:13	0.747	11.097	65848	954590	108.1	11.002	0.3%
PPSP-13-S-20250129	C56842	1.17	0.312	11.7	21.0	0.492	20203	0.251	0.551	0.0668	0.146	P	P2501135.D	2025-02-15 09:50	0.747	11.097	77435	960432	108.1	11.002	0.9%
PPSP-12-S-20250129	B19705	1.36	0.362	13.6	21.0	0.492	20200	0.251	0.551	0.0668	0.146	P	P2501136.D	2025-02-15 10:27	0.747	11.103	87927	938854	108.1	11.008	-1.3%
PPSP-11-S-20250129	B27849	1.19	0.315	11.8	21.0	0.492	20203	0.251	0.551	0.0668	0.146	P	P2501137.D	2025-02-15 11:05	0.747	11.103	78166	960321	108.1	11.008	0.9%
PPSP-10-S-20250129	B44475	1.24	0.329	12.3	21.0	0.492	20204	0.251	0.551	0.0668	0.146	P	P2501139.D	2025-02-15 12:19	0.747	11.109	80882	950544	108.1	11.014	-0.1%
PPSP-9-S-20250129	C56822	1.03	0.274	10.2	21.0	0.492	20203	0.251	0.551	0.0668	0.146	P	P2501140.D	2025-02-15 12:57	0.747	11.109	65871	930921	108.1	11.020	-2.2%
PPSP-8-S-20250129	B43583	0.772	0.205	7.67	21.0	0.492	20201	0.251	0.551	0.0668	0.146	P	P2501141.D	2025-02-15 13:34	0.747	11.121	49350	931166	108.1	11.020	-2.1%
PPSP-8-D-20250129	C55483	1.13	0.301	11.3	21.0	0.492	20201	0.251	0.551	0.0668	0.146	P	P2501142.D	2025-02-15 14:11	0.747	11.115	71996	924440	108.1	11.020	-2.9%
PPSP-7-S-20250129	C34258	1.26	0.335	12.5	21.0	0.492	20200	0.251	0.551	0.0668	0.146	P	P2501143.D	2025-02-15 14:48	0.747	11.115	79215	915124	108.1	11.026	-3.8%

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250129	C35777				21.0	0.435	20263	0.283	0.614	0.0653	0.142	ND	P2501129.D	2025-02-15 06:06	0.949	13.234	13901	948595	108.1	11.002	-0.3%
PPSP-5-S-20250129	B19353				21.0	0.435	20201	0.284	0.616	0.0655	0.142	ND	P2501130.D	2025-02-15 06:43	0.949	13.234	12851	959105	108.1	11.002	0.8%
PPSP-4-S-20250129	B20603				21.0	0.435	20202	0.284	0.616	0.0655	0.142	ND	P2501131.D	2025-02-15 07:21	0.949	13.234	11570	967472	108.1	11.002	1.7%

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20250129	C17264				21.0	0.435	20202	0.284	0.616	0.0655	0.142	ND	P2501132.D	2025-02-15 07:58	0.949	13.240	11362	951163	108.1	11.002	0.0%
PPSP-2-S-20250129	B48156				21.0	0.435	20205	0.284	0.616	0.0655	0.142	ND	P2501133.D	2025-02-15 08:35	0.949	13.234	10150	949157	108.1	11.002	-0.3%
PPSP-1-B-20250129	C56835				21.0	0.435	20204	0.284	0.616	0.0655	0.142	ND	P2501128.D	2025-02-15 05:29	0.949	13.234	1701	944287	108.1	11.002	-0.8%
PPSP-1-S-20250129	C38597				21.0	0.435	20204	0.284	0.616	0.0655	0.142	ND	P2501134.D	2025-02-15 09:13	0.949	13.234	8509	954590	108.1	11.002	0.3%
PPSP-13-S-20250129	C56842				21.0	0.435	20203	0.284	0.616	0.0655	0.142	ND	P2501135.D	2025-02-15 09:50	0.949	13.240	12655	960432	108.1	11.002	0.9%
PPSP-12-S-20250129	B19705				21.0	0.435	20200	0.284	0.616	0.0655	0.142	ND	P2501136.D	2025-02-15 10:27	0.949	13.240	12983	938854	108.1	11.008	-1.3%
PPSP-11-S-20250129	B27849				21.0	0.435	20203	0.284	0.616	0.0655	0.142	ND	P2501137.D	2025-02-15 11:05	0.949	13.240	11234	960321	108.1	11.008	0.9%
PPSP-10-S-20250129	B44475				21.0	0.435	20204	0.284	0.616	0.0655	0.142	ND	P2501139.D	2025-02-15 12:19	0.949	13.252	12448	950544	108.1	11.014	-0.1%
PPSP-9-S-20250129	C56822				21.0	0.435	20203	0.284	0.616	0.0655	0.142	ND	P2501140.D	2025-02-15 12:57	0.949	13.252	12976	930921	108.1	11.020	-2.2%
PPSP-8-S-20250129	B43583				21.0	0.435	20201	0.284	0.616	0.0655	0.142	ND	P2501141.D	2025-02-15 13:34	0.949	13.258	5881	931166	108.1	11.020	-2.1%
PPSP-8-D-20250129	C55483				21.0	0.435	20201	0.284	0.616	0.0655	0.142	ND	P2501142.D	2025-02-15 14:11	0.949	13.258	13643	924440	108.1	11.020	-2.9%
PPSP-7-S-20250129	C34258				21.0	0.435	20200	0.284	0.616	0.0655	0.142	ND	P2501143.D	2025-02-15 14:48	0.949	13.258	12670	915124	108.1	11.026	-3.8%

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250129	C35777	0.447	0.103	3.94	21.0	0.435	20263	0.283	0.618	0.0653	0.143	J,Pc	P2501129.D	2025-02-15 06:06	0.749	13.424	25906	948595	108.1	11.002	-0.3%
PPSP-5-S-20250129	B19353	0.380	0.0875	3.34	21.0	0.435	20201	0.284	0.620	0.0655	0.143	J,Pc	P2501130.D	2025-02-15 06:43	0.749	13.442	22207	959105	108.1	11.002	0.8%
PPSP-4-S-20250129	B20603	0.463	0.107	4.07	21.0	0.435	20202	0.284	0.620	0.0655	0.143	J,Pc	P2501131.D	2025-02-15 07:21	0.749	13.436	27299	967472	108.1	11.002	1.7%
PPSP-3-S-20250129	C17264	0.443	0.102	3.89	21.0	0.435	20202	0.284	0.620	0.0655	0.143	J,Pc	P2501132.D	2025-02-15 07:58	0.749	13.442	25660	951163	108.1	11.002	0.0%
PPSP-2-S-20250129	B48156	0.325	0.0749	2.86	21.0	0.435	20205	0.284	0.620	0.0655	0.143	J,Pc	P2501133.D	2025-02-15 08:35	0.749	13.418	18801	949157	108.1	11.002	-0.3%
PPSP-1-B-20250129	C56835				21.0	0.435	20204	0.284	0.620	0.0655	0.143	ND,Pc	P2501128.D	2025-02-15 05:29	0.749	13.424	2323	944287	108.1	11.002	-0.8%
PPSP-1-S-20250129	C38597	0.325	0.0749	2.86	21.0	0.435	20204	0.284	0.620	0.0655	0.143	J,Pc	P2501134.D	2025-02-15 09:13	0.749	13.424	18919	954590	108.1	11.002	0.3%
PPSP-13-S-20250129	C56842	0.459	0.106	4.04	21.0	0.435	20203	0.284	0.620	0.0655	0.143	J,Pc	P2501135.D	2025-02-15 09:50	0.749	13.429	26877	960432	108.1	11.002	0.9%
PPSP-12-S-20250129	B19705	0.601	0.139	5.29	21.0	0.435	20200	0.284	0.620	0.0655	0.143	J,Pc	P2501136.D	2025-02-15 10:27	0.749	13.436	34397	938854	108.1	11.008	-1.3%
PPSP-11-S-20250129	B27849	0.387	0.0892	3.41	21.0	0.435	20203	0.284	0.620	0.0655	0.143	J,Pc	P2501137.D	2025-02-15 11:05	0.749	13.436	22670	960321	108.1	11.008	0.9%
PPSP-10-S-20250129	B44475	0.370	0.0853	3.26	21.0	0.435	20204	0.284	0.620	0.0655	0.143	J,Pc	P2501139.D	2025-02-15 12:19	0.749	13.448	21445	950544	108.1	11.014	-0.1%
PPSP-9-S-20250129	C56822	0.492	0.113	4.33	21.0	0.435	20203	0.284	0.620	0.0655	0.143	J,Pc	P2501140.D	2025-02-15 12:57	0.749	13.436	27944	930921	108.1	11.020	-2.2%
PPSP-8-S-20250129	B43583				21.0	0.435	20201	0.284	0.620	0.0655	0.143	ND,Pc	P2501141.D	2025-02-15 13:34	0.749	13.442	3781	931166	108.1	11.020	-2.1%
PPSP-8-D-20250129	C55483	0.574	0.132	5.05	21.0	0.435	20201	0.284	0.620	0.0655	0.143	J,Pc	P2501142.D	2025-02-15 14:11	0.749	13.448	32366	924440	108.1	11.020	-2.9%
PPSP-7-S-20250129	C34258	0.623	0.143	5.48	21.0	0.435	20200	0.284	0.620	0.0655	0.143	Pc	P2501143.D	2025-02-15 14:48	0.749	13.448	34728	915124	108.1	11.026	-3.8%

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250129	C35777				21.0	0.435	20263	0.283	0.622	0.0653	0.143	ND	P2501129.D	2025-02-15 06:06	0.785	13.905	11283	948595	108.1	11.002	-0.3%
PPSP-5-S-20250129	B19353				21.0	0.435	20201	0.284	0.624	0.0655	0.144	ND	P2501130.D	2025-02-15 06:43	0.785	13.899	11665	959105	108.1	11.002	0.8%
PPSP-4-S-20250129	B20603				21.0	0.435	20202	0.284	0.624	0.0655	0.144	ND	P2501131.D	2025-02-15 07:21	0.785	13.911	11763	967472	108.1	11.002	1.7%
PPSP-3-S-20250129	C17264				21.0	0.435	20202	0.284	0.624	0.0655	0.144	ND	P2501132.D	2025-02-15 07:58	0.785	13.910	9510	951163	108.1	11.002	0.0%
PPSP-2-S-20250129	B48156				21.0	0.435	20205	0.284	0.624	0.0655	0.144	ND	P2501133.D	2025-02-15 08:35	0.785	13.911	7079	949157	108.1	11.002	-0.3%
PPSP-1-B-20250129	C56835				21.0	0.435	20204	0.284	0.624	0.0655	0.144	ND	P2501128.D	2025-02-15 05:29	0.785	13.905	710	944287	108.1	11.002	-0.8%

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-S-20250129	C38597				21.0	0.435	20204	0.284	0.624	0.0655	0.144	ND	P2501134.D	2025-02-15 09:13	0.785	13.904	8547	954590	108.1	11.002	0.3%
PPSP-13-S-20250129	C56842				21.0	0.435	20203	0.284	0.624	0.0655	0.144	ND	P2501135.D	2025-02-15 09:50	0.785	13.904	12718	960432	108.1	11.002	0.9%
PPSP-12-S-20250129	B19705				21.0	0.435	20200	0.284	0.624	0.0655	0.144	ND	P2501136.D	2025-02-15 10:27	0.785	13.910	11715	938854	108.1	11.008	-1.3%
PPSP-11-S-20250129	B27849				21.0	0.435	20203	0.284	0.624	0.0655	0.144	ND	P2501137.D	2025-02-15 11:05	0.785	13.905	7728	960321	108.1	11.008	0.9%
PPSP-10-S-20250129	B44475				21.0	0.435	20204	0.284	0.624	0.0655	0.144	ND	P2501139.D	2025-02-15 12:19	0.785	13.916	10329	950544	108.1	11.014	-0.1%
PPSP-9-S-20250129	C56822				21.0	0.435	20203	0.284	0.624	0.0655	0.144	ND	P2501140.D	2025-02-15 12:57	0.785	13.922	10680	930921	108.1	11.020	-2.2%
PPSP-8-S-20250129	B43583				21.0	0.435	20201	0.284	0.624	0.0655	0.144	ND	P2501141.D	2025-02-15 13:34	0.785	13.922	859	931166	108.1	11.020	-2.1%
PPSP-8-D-20250129	C55483				21.0	0.435	20201	0.284	0.624	0.0655	0.144	ND	P2501142.D	2025-02-15 14:11	0.785	13.917	11499	924440	108.1	11.020	-2.9%
PPSP-7-S-20250129	C34258				21.0	0.435	20200	0.284	0.624	0.0655	0.144	ND	P2501143.D	2025-02-15 14:48	0.785	13.922	12520	915124	108.1	11.026	-3.8%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit
ND: The analyte was not present above the Method Detection Limit
P: Field duplicate(s) exceed 30%RPD
Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m³)	PPSP-1-B-20250129	ND	Pass	0.265	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250129	34%	Fail	38%	Fail	ND	Pass	68%	Fail	ND	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW104

Custody	Enthalpy Analytical, LLC received the sample tubes on 02/13/25. The samples were received in good condition at a temperature of 15.0 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below. The primary sample PPSP-8-S-20250129 (tube ID B43583) and its corresponding duplicate PPSP-8-D-20250129 (tube ID C55483) failed to meet the 30% difference criterion specified by the method for toluene. All toluene samples in the data set have been flagged “P” to denote this failure. The same primary and its corresponding duplicate also failed to meet the 30% difference criteria specified by the method for benzene and m-/p-xylene. However, the concentrations of the analytes benzene and m-/p-xylene in both the sample and the duplicate were less than two times the reporting limit of the instrument’s calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All benzene and m-/p-xylene samples in the data set have been flagged “Pc” to denote this failure.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged.

Enthalpy Analytical Narrative Summary (continued)

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in $\mu\text{g}/\text{m}^3$ and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.



Enthalpy Analytical LDEQ Certification Statement

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) under **Certificate Number 04010**. The methods included in this report are listed in the table below along with Enthalpy-Durham's accreditation status with LDEQ and any analytes that Enthalpy-Durham does not hold accreditation for.

Method	Accredited?	Analytes of an Accredited Method that are not Accredited
EPA 325B	Yes	

Sample Custody



EPA Method 325 A/B
Field Test Data Sheet and
Chain of Custody Record

Page # 1 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, LLC
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line				PO#:		
Site Address:			Project Number:				Sample Event #		
City:			Project Manager: Tom Rolfson				Sorbent:		
State:			Email Address: tom.rolfson@powererg.com						
Zip:			Telephone #:						
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C35777	sample	1/29/25	10:34 AM	2/12/25	12:17 PM	JB / JB		
5	B19353	sample	1/29/25	10:40 AM	2/12/25	11:21 AM	JB / JB		
4	B20603	sample	1/29/25	10:44 AM	2/12/25	11:26 AM	JB / JB		
3	C17264	sample	1/29/25	10:50 AM	2/12/25	11:32 AM	JB / JB		
2	B48156	sample	1/29/25	10:54 AM	2/12/25	11:39 AM	JB / JB		
1	C56835	blank	1/29/25	10:58 AM	2/12/25	11:42 AM	JB / JB		
1	C38597	sample	1/29/25	10:58 AM	2/12/25	11:42 AM	JB / JB		
13	C56842	sample	1/29/25	11:02 AM	2/12/25	11:45 AM	JB / JB		
Relinquished By (printed):			Relinquished By (signature):			Relinquished Date:		Relinquished Time:	
Jen Bowidowicz			<i>Jennifer Bowidowicz</i>			2/12/2025			
Recieved By (printed):			Recieved By (signature):			Receipt Date:		Receipt Time:	
Daniel Simpson			<i>Dei</i>			2/13/25		2:48	
Sample Condition Upon Receipt:			Compound List:			Custody Seal intact? Y/N:		Delivery tracking #	
Good			BTEX			N			
Ice Temp:	Blank Temp:					Add Custody Seal # below:			
—	15.0	F/uke 4							
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you									
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com									



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

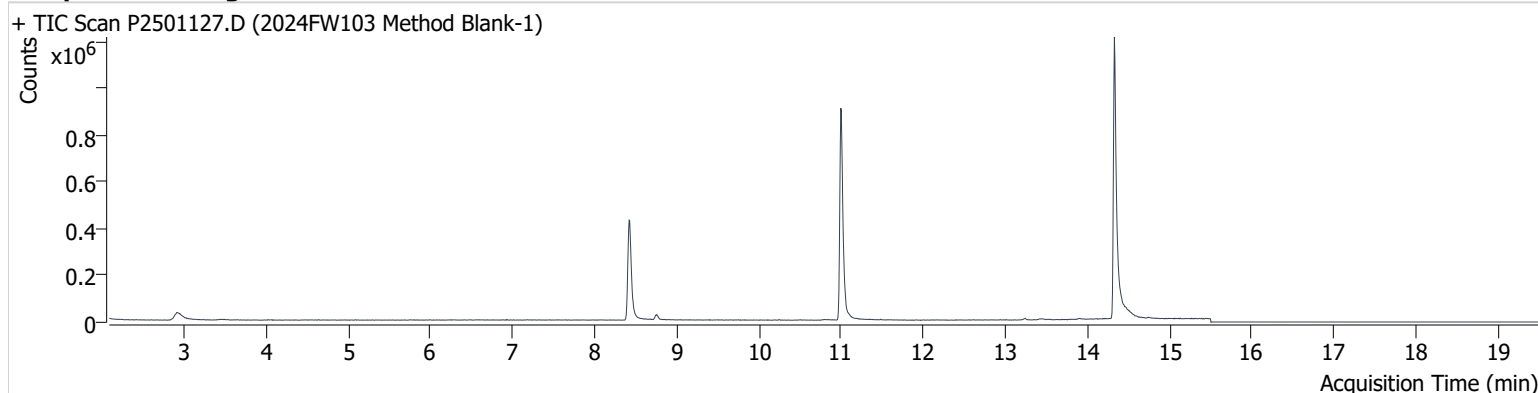
Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, LLC
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

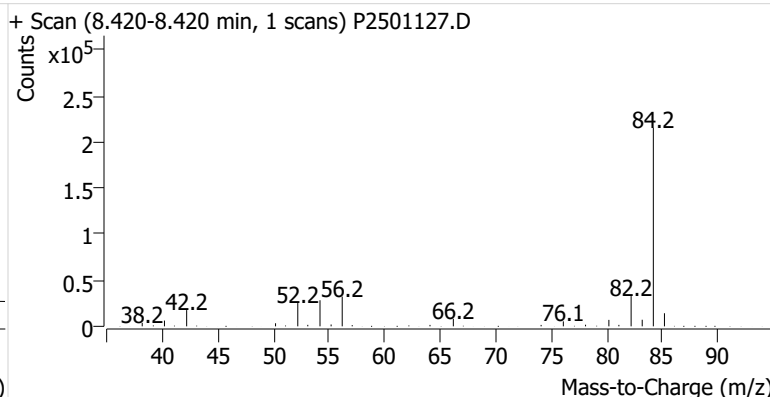
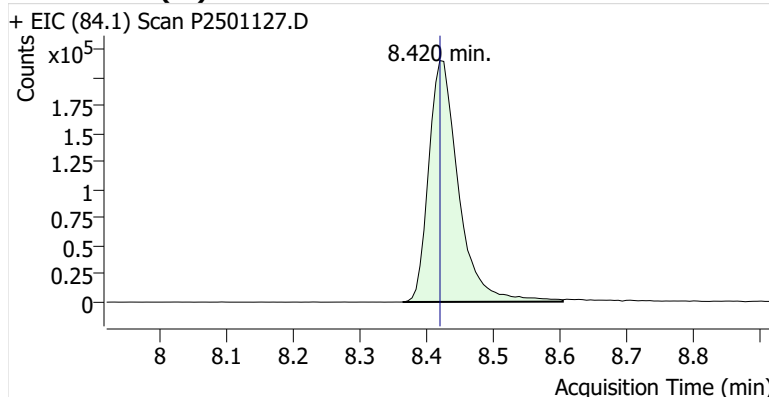
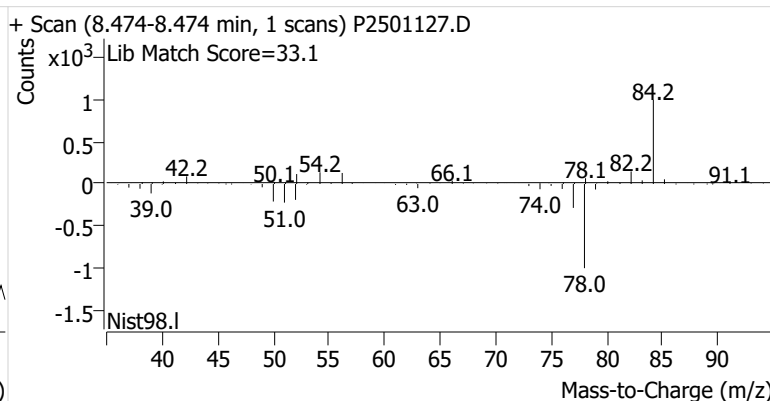
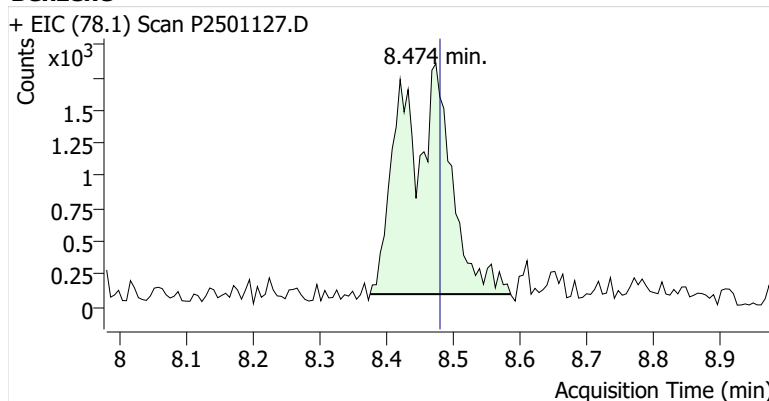
Site Name: South Portland Terminal			Client Name: Portland Pipe Line				PO#:		
Site Address:			Project Number:				Sample Event #		
City:			Project Manager: Tom Rolfson				Sorbent:		
State:			Email Address: tom.rolfson@powererg.com						
Zip:			Telephone #:						
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	B19705	sample	1/29/25	11:09 AM	2/12/25	11:49 AM	JB / JB		
11	B27849	sample	1/29/25	11:13 AM	2/12/25	11:56 AM	JB / JB		
10	B44475	sample	1/29/25	11:17 AM	2/12/25	12:01 PM	JB / JB		
9	C56822	sample	1/29/25	11:21 AM	2/12/25	12:04 PM	JB / JB		
8	B43583	sample	1/29/25	11:27 AM	2/12/25	12:08 PM	JB / JB		
8	C55483	duplicate	1/29/25	11:27 AM	2/12/25	12:08 PM	JB / JB		
7	C34258	sample	1/29/25	11:32 AM	2/12/25	12:12 PM	JB / JB		
Relinquished By (printed):			Relinquished By (signature):			Relinquished Date:		Relinquished Time:	
Jen Bowidowicz			<i>Jennifer Bowidowicz</i>			2/12/2025			
Recieved By (printed):			Recieved By (signature):			Receipt Date:		Receipt Time:	
<i>Daniel Simpson</i>			<i>Daniel Simpson</i>			2/13/25		2:48	
Sample Condition Upon Receipt:			Compound List:			Custody Seal intact? Y/N:		Delivery tracking #	
Good			BTEX			N			
Ice Temp:	Blank Temp:					Add Custody Seal # below:			
	15.0	Fluke 4							
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you									
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com									

Sample Chromatograms

Name 2024FW103 Method Blank-1
Comment B51003
Data File P2501127.D
Acq. Date-Time 2/15/2025 4:52:01 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

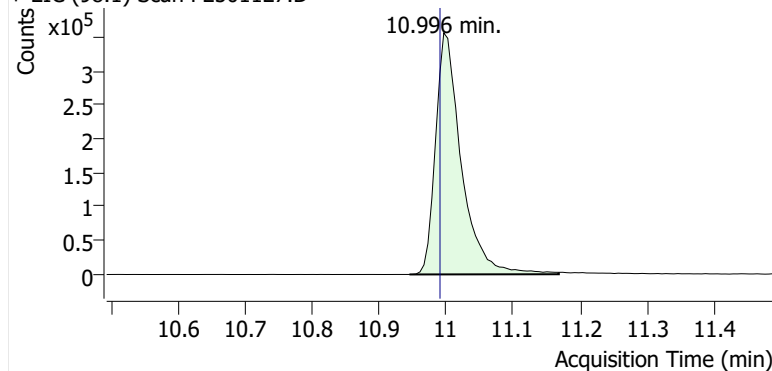
Sample Chromatogram

Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.420	669,201	
Benzene	benzene-d6 (IS)	8.474	8.480	8,990	
Toluene-d8 (IS)		10.996	10.990	955,670	
Toluene	Toluene-d8 (IS)	11.085	11.085	7,203	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	5,894	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	6,206	
o-Xylene	Toluene-d8 (IS)	13.893	13.887	3,723	

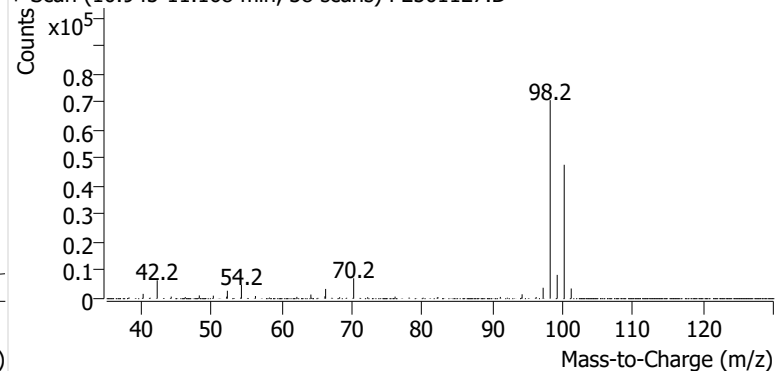
benzene-d6 (IS)**Benzene**

Toluene-d8 (IS)

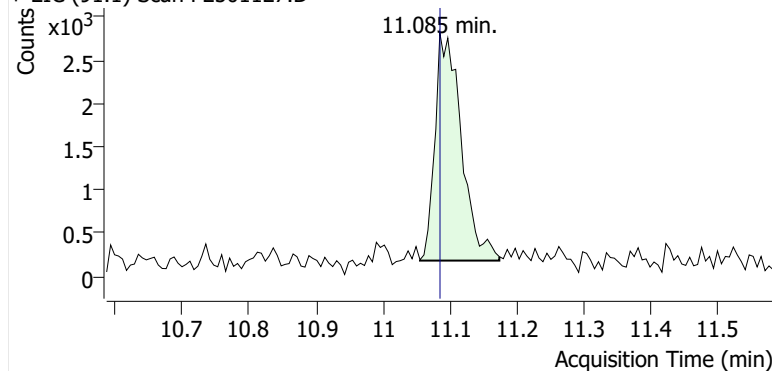
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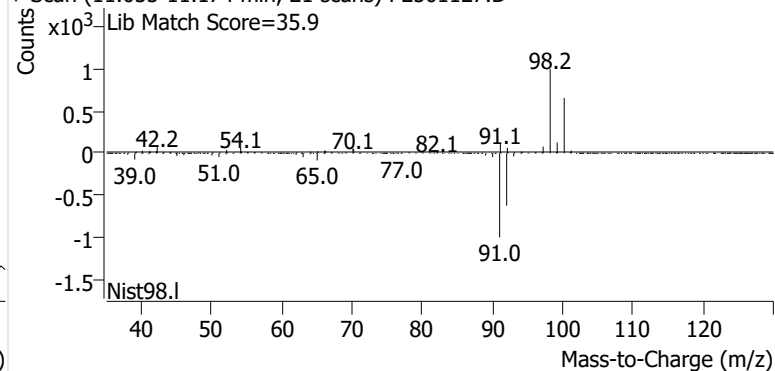
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**Toluene**

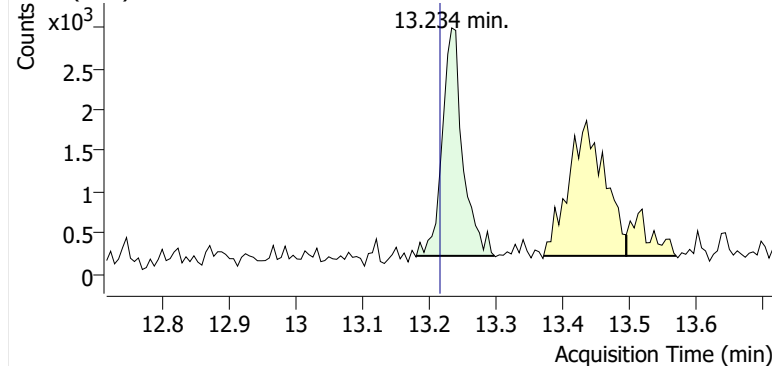
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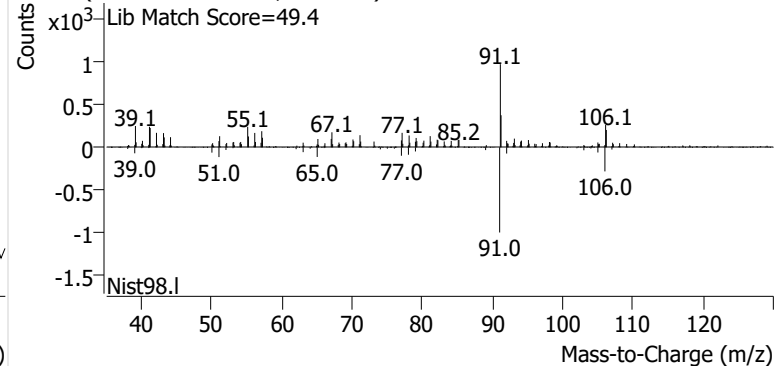
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**Ethylbenzene**

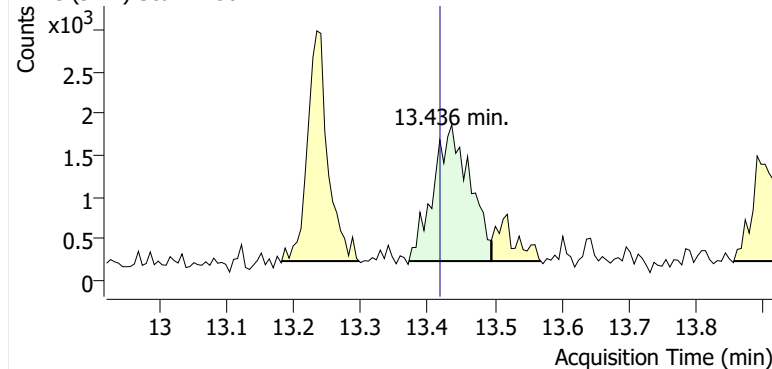
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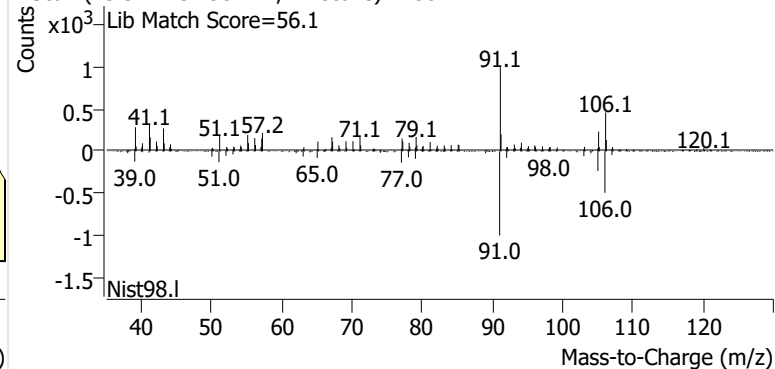
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**m-/p-Xylenes**

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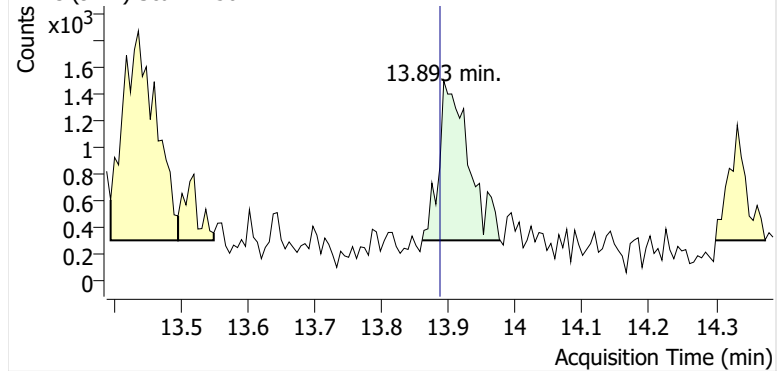


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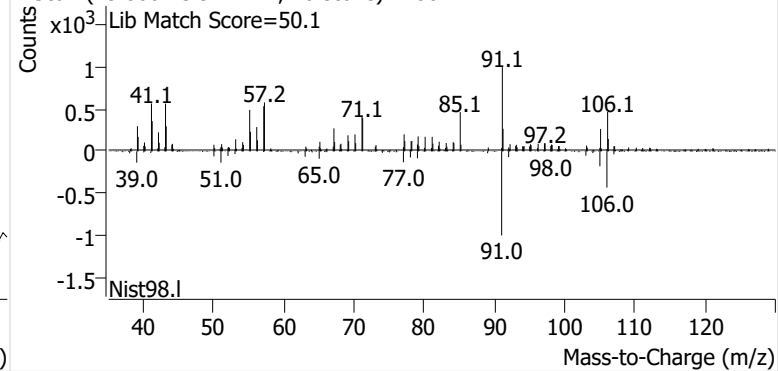


o-Xylene

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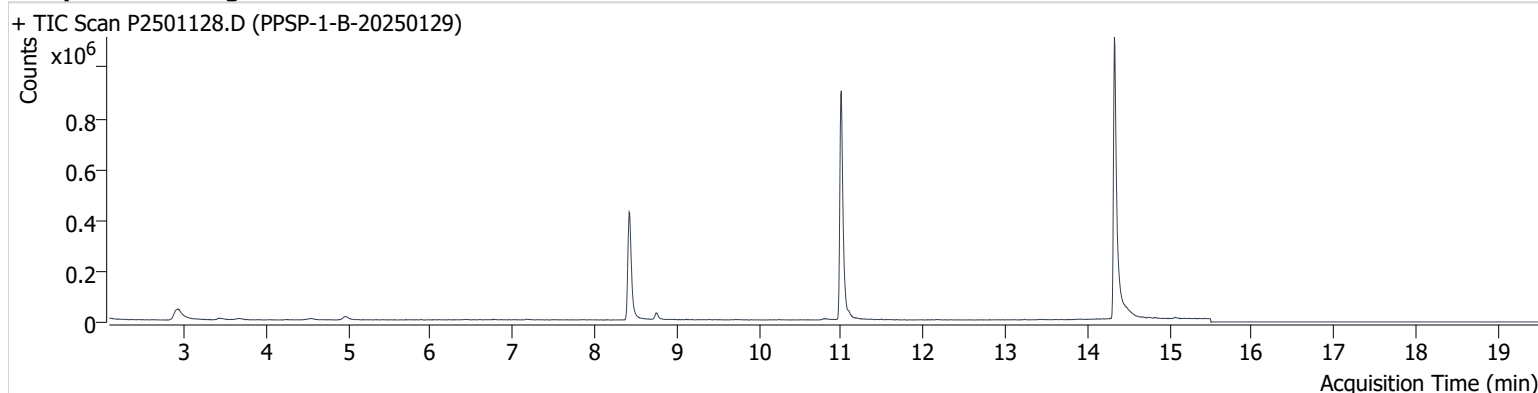


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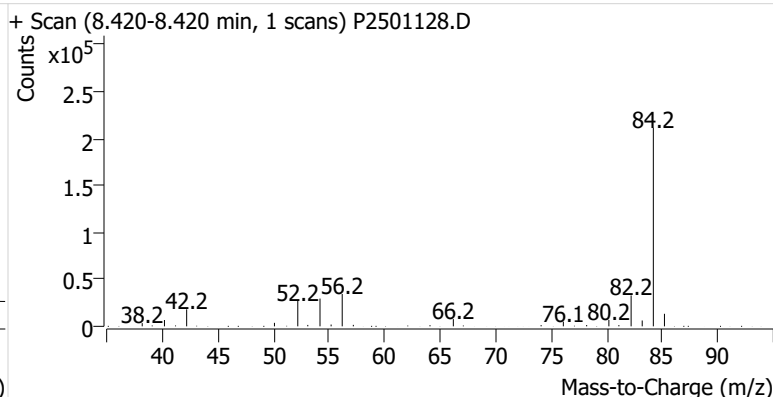
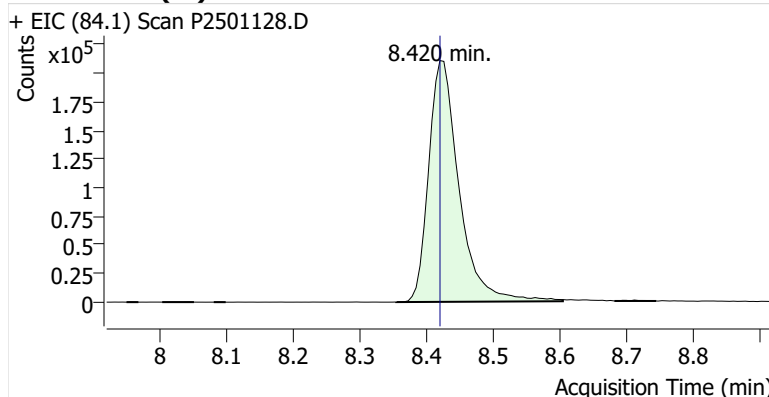
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Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

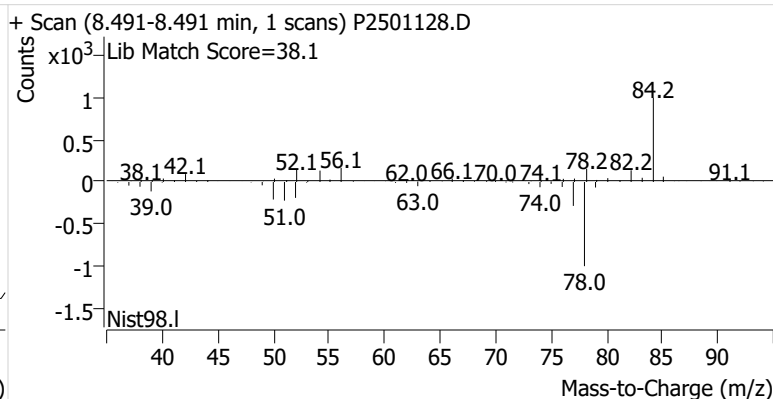
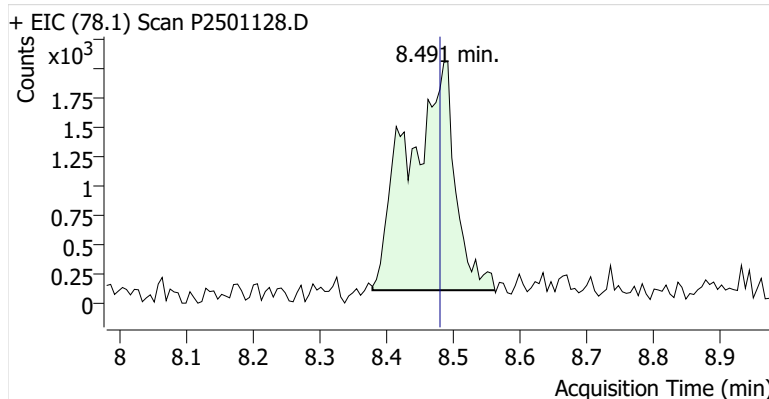


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.420	666,563	
Benzene	benzene-d6 (IS)	8.491	8.480	9,531	
Toluene-d8 (IS)		11.002	10.990	944,287	
Toluene	Toluene-d8 (IS)	11.097	11.085	17,188	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	1,701	
m-/p-Xylenes	Toluene-d8 (IS)	13.424	13.418	2,323	
o-Xylene	Toluene-d8 (IS)	13.905	13.887	710	

benzene-d6 (IS)

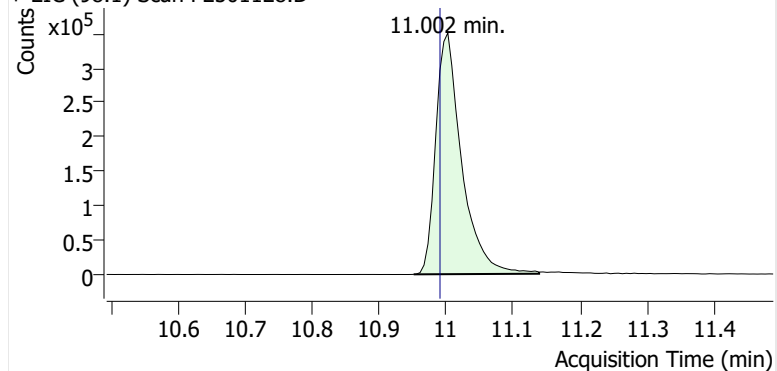


Benzene

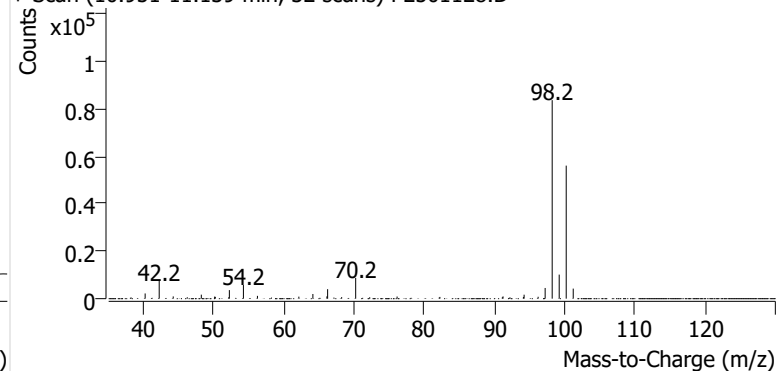


Toluene-d8 (IS)

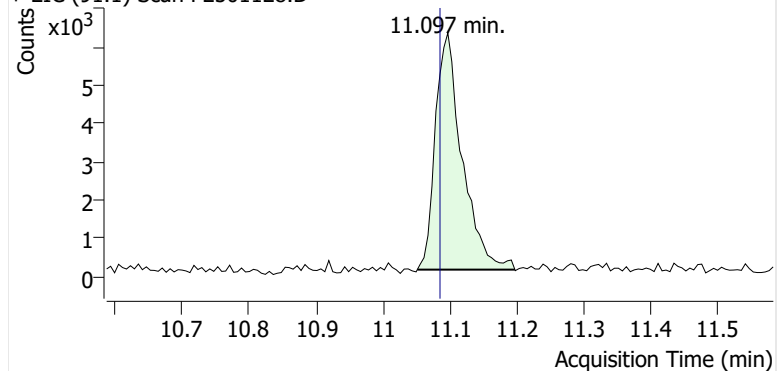
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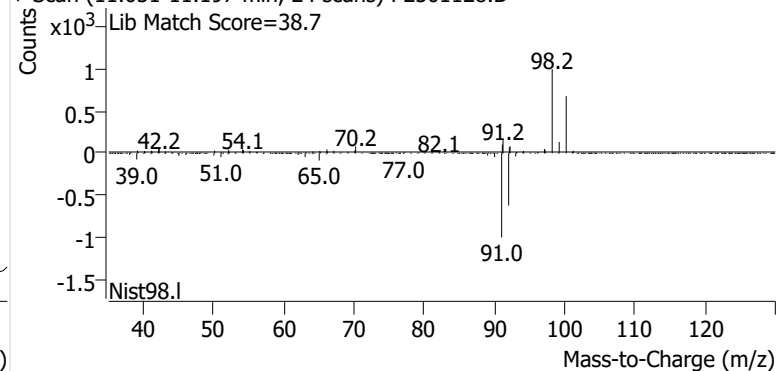
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**Toluene**

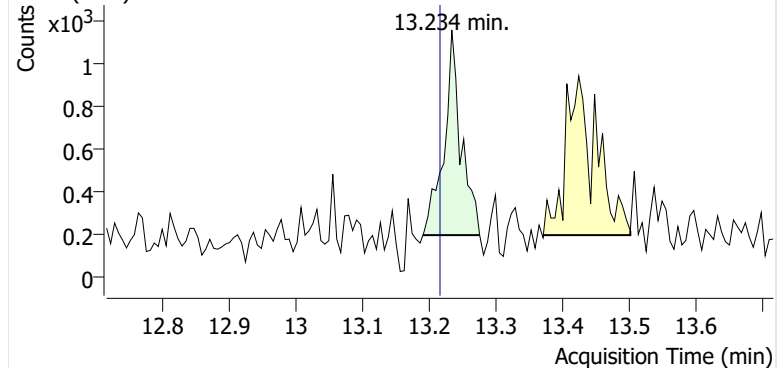
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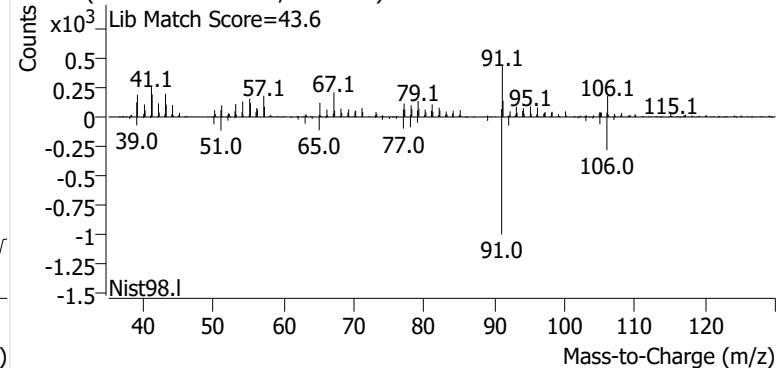
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**Ethylbenzene**

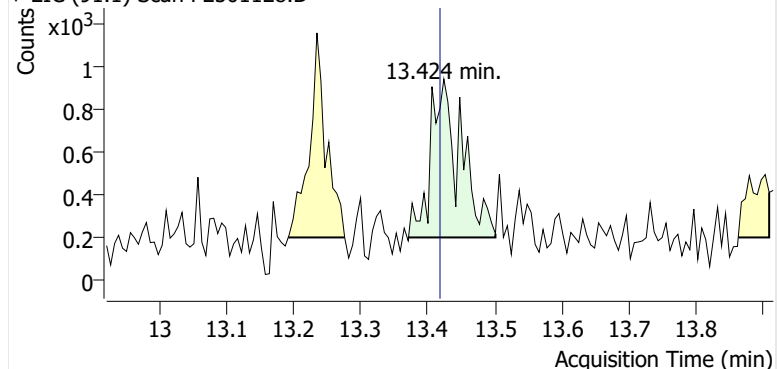
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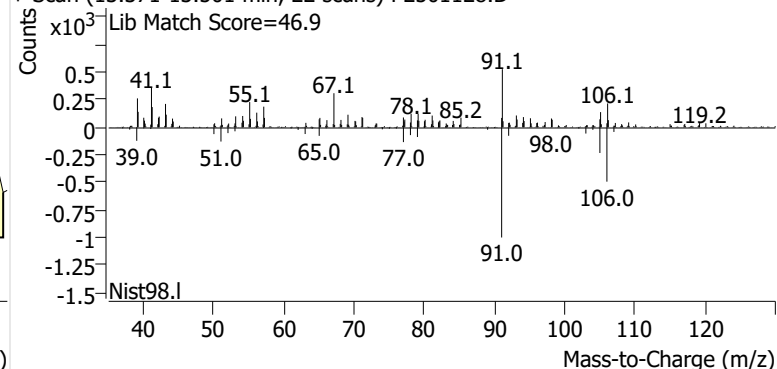
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**m-/p-Xylenes**

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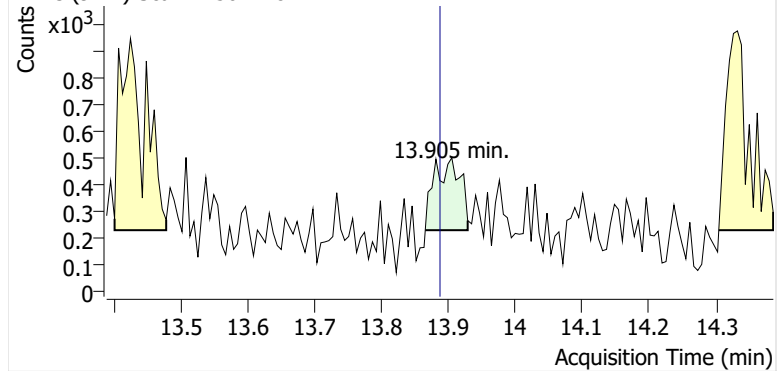


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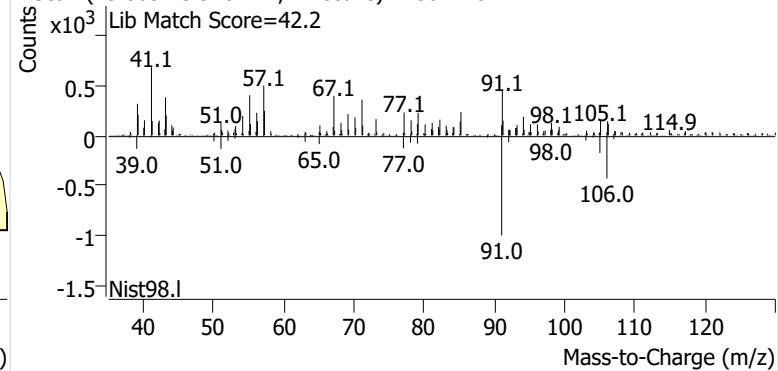


o-Xylene

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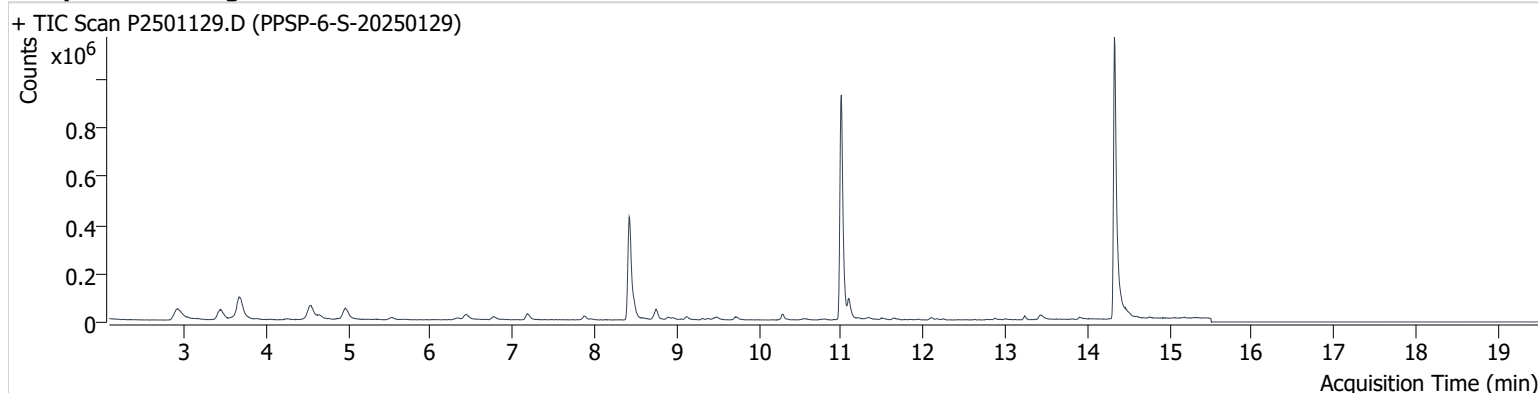


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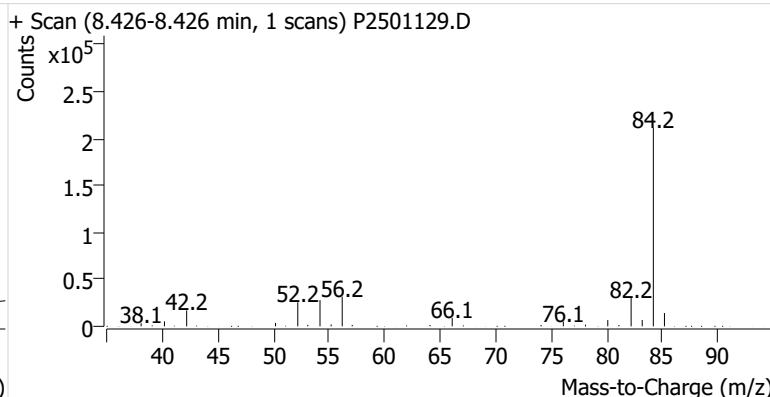
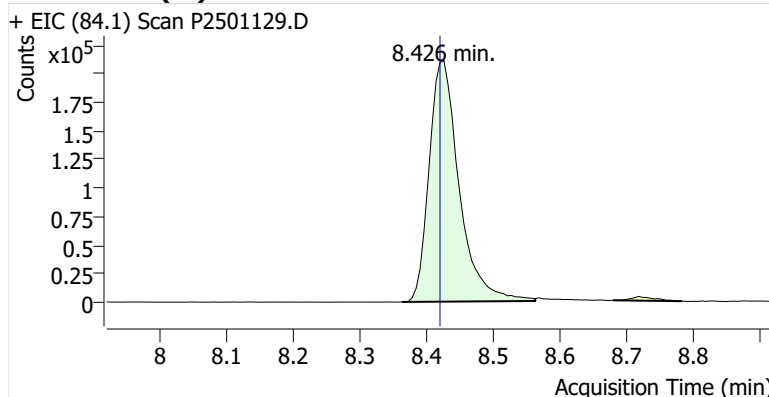
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Comment C35777
Data File P2501129.D
Acq. Date-Time 2/15/2025 6:06:37 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

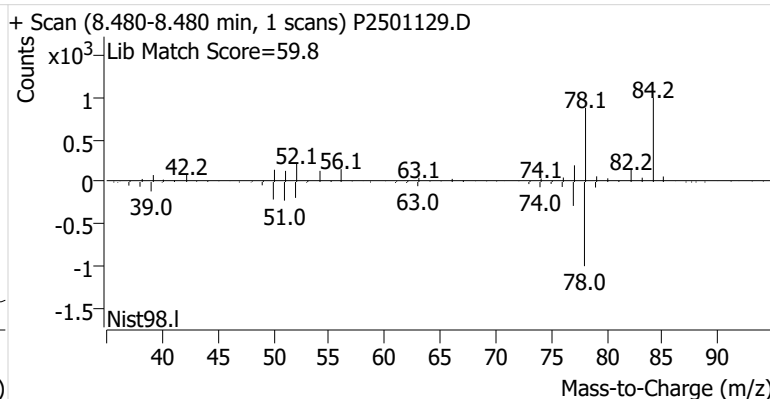
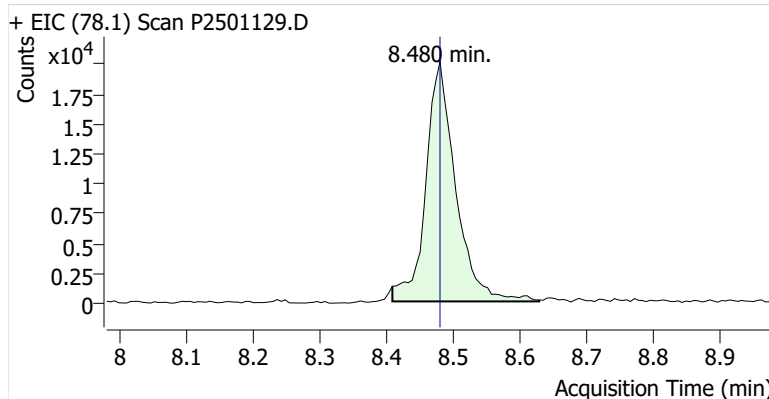


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	658,700	
Benzene	benzene-d6 (IS)	8.480	8.480	62,388	
Toluene-d8 (IS)		11.002	10.990	948,595	
Toluene	Toluene-d8 (IS)	11.091	11.085	75,635	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	13,901	
m-/p-Xylenes	Toluene-d8 (IS)	13.424	13.418	25,906	
o-Xylene	Toluene-d8 (IS)	13.905	13.887	11,283	

benzene-d6 (IS)

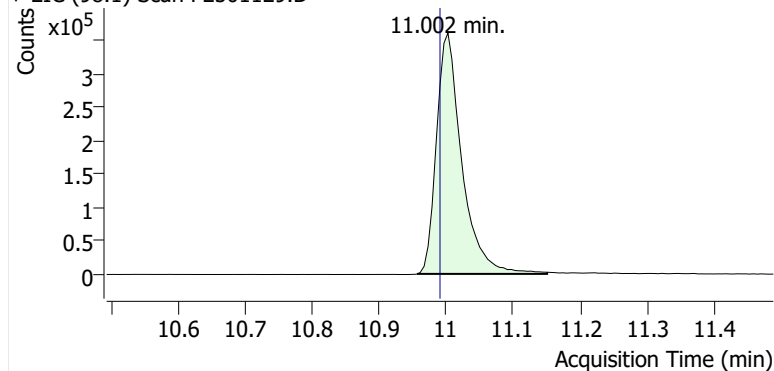


Benzene

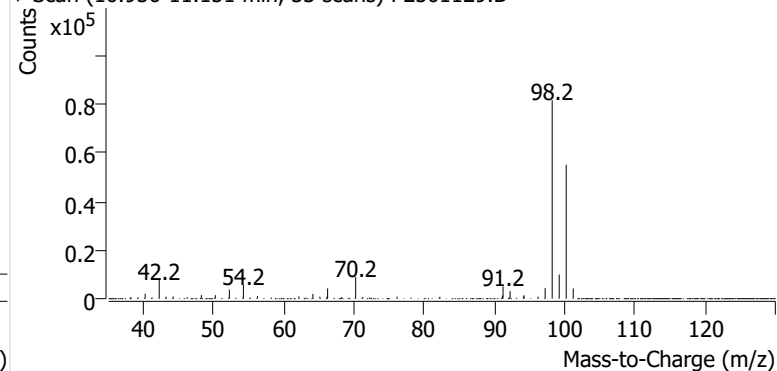


Toluene-d8 (IS)

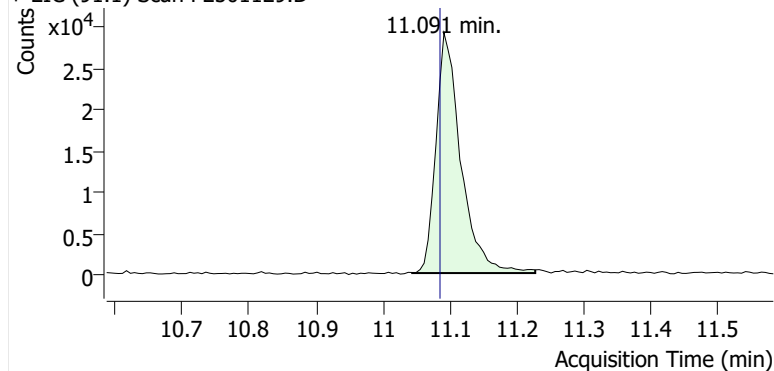
+ EIC (98.1) Scan P2501129.D



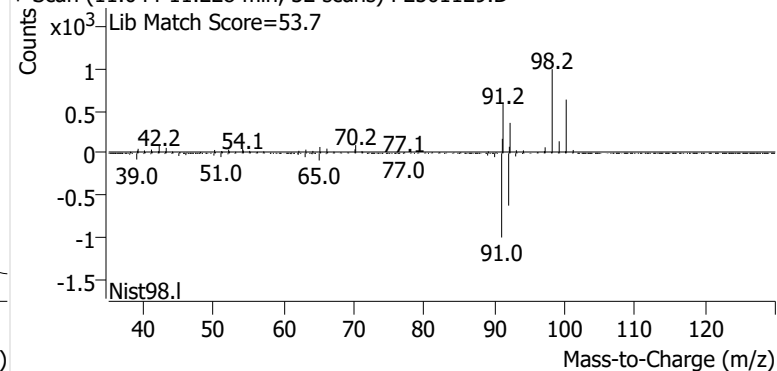
+ Scan (10.956-11.151 min, 33 scans) P2501129.D

**Toluene**

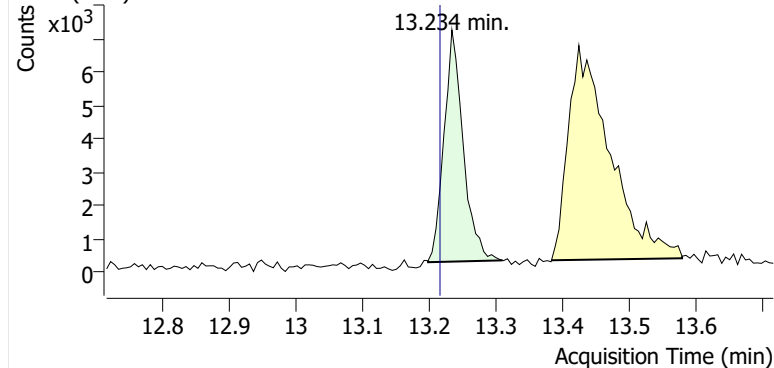
+ EIC (91.1) Scan P2501129.D



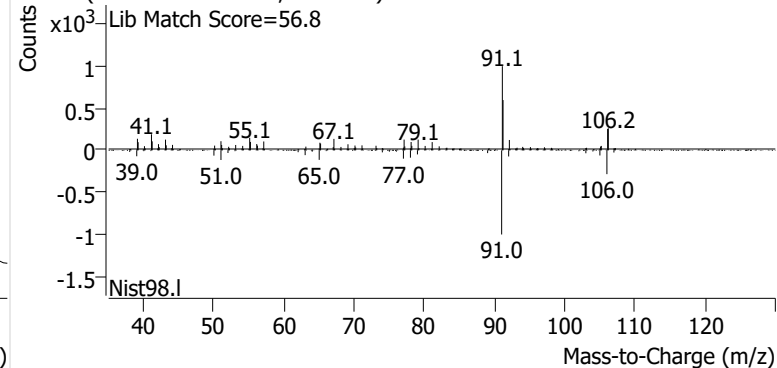
+ Scan (11.044-11.228 min, 32 scans) P2501129.D

**Ethylbenzene**

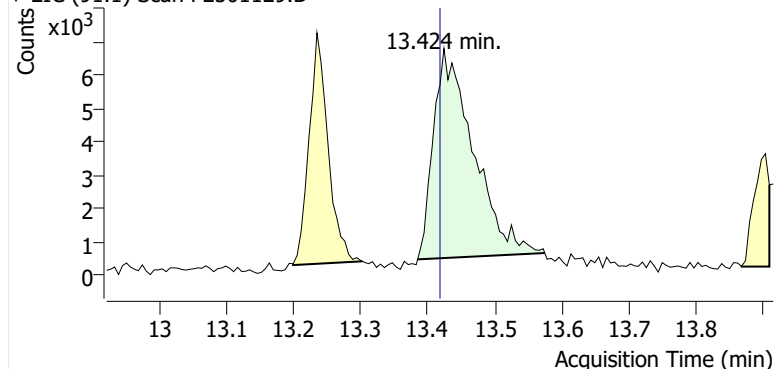
+ EIC (91.1) Scan P2501129.D



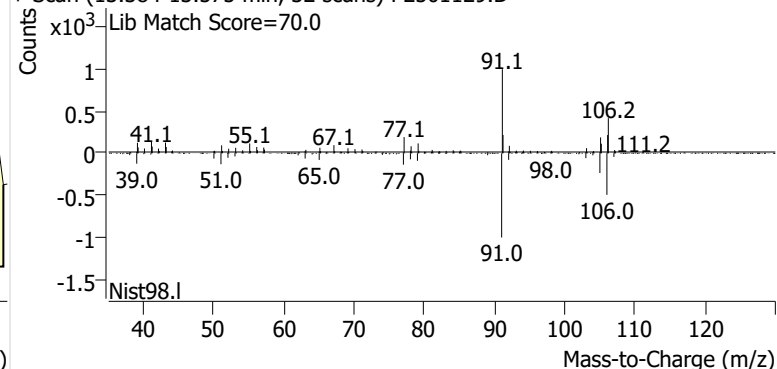
+ Scan (13.198-13.310 min, 19 scans) P2501129.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501129.D

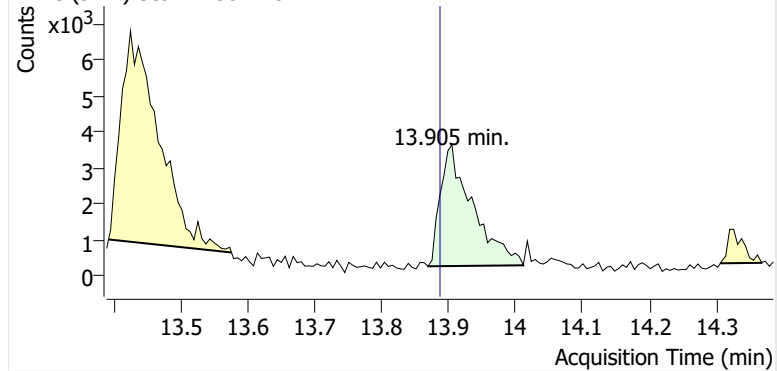


+ Scan (13.384-13.575 min, 32 scans) P2501129.D

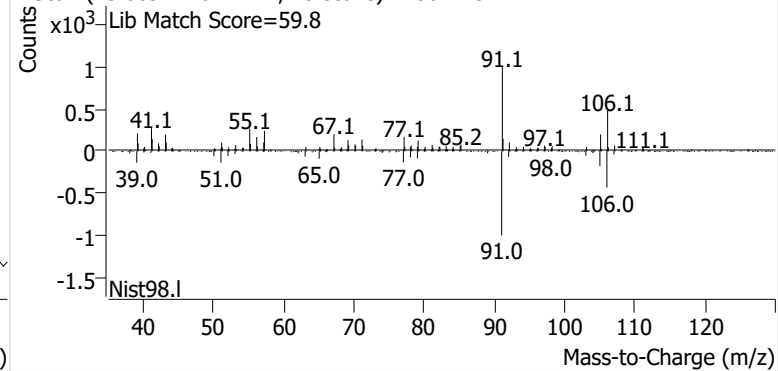


o-Xylene

+ EIC (91.1) Scan P2501129.D

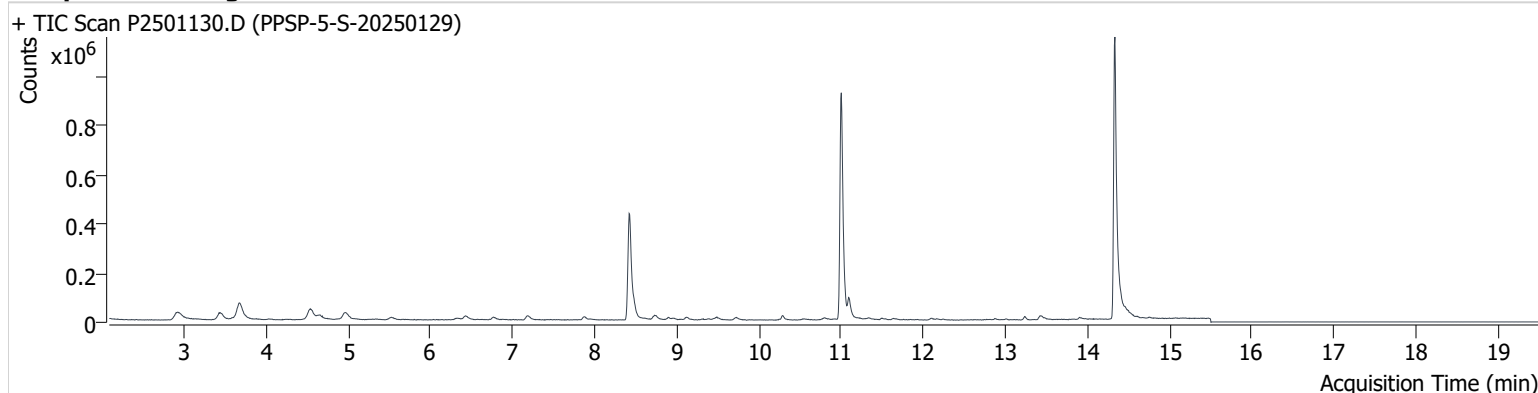


+ Scan (13.869-14.012 min, 25 scans) P2501129.D



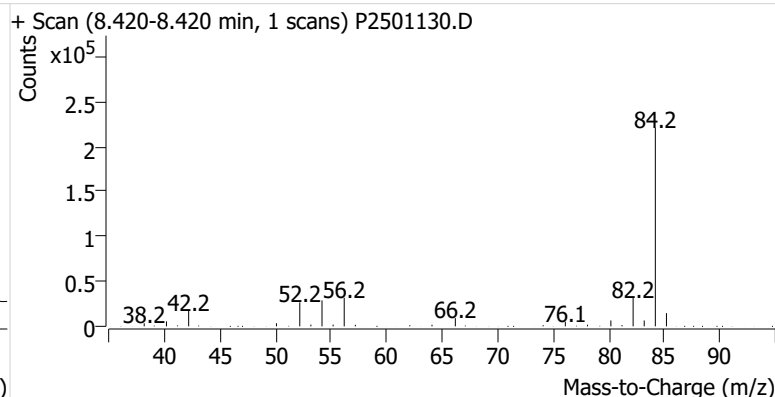
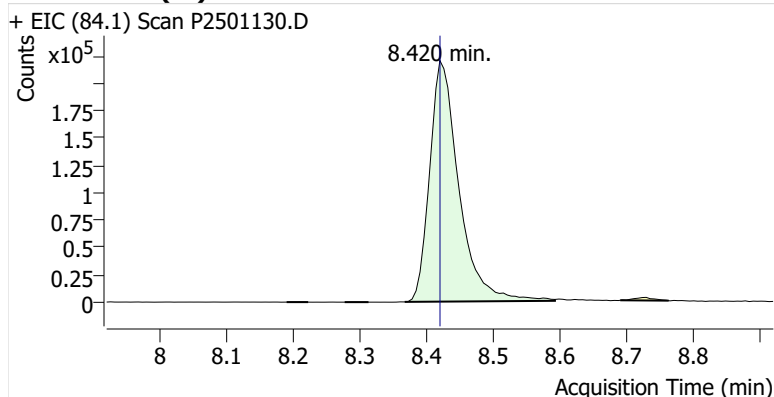
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Comment B19353
Data File P2501130.D
Acq. Date-Time 2/15/2025 6:43:56 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

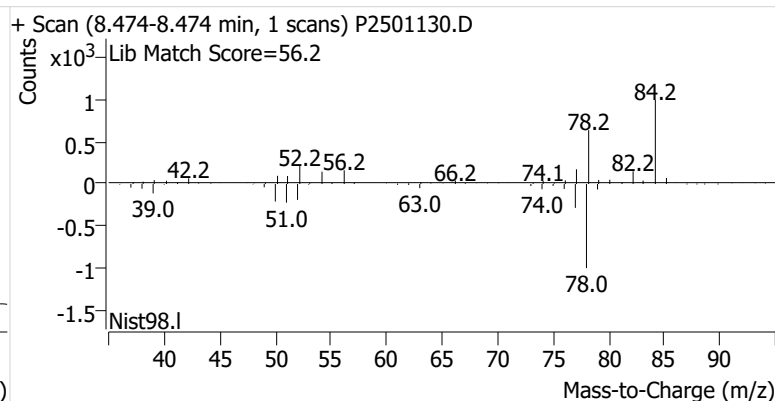
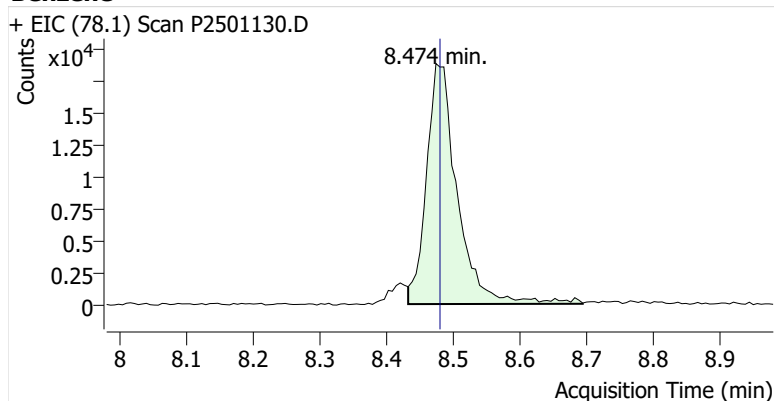


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.420	668,803	
Benzene	benzene-d6 (IS)	8.474	8.480	60,455	
Toluene-d8 (IS)		11.002	10.990	959,105	
Toluene	Toluene-d8 (IS)	11.097	11.085	75,149	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	12,851	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	22,207	
o-Xylene	Toluene-d8 (IS)	13.899	13.887	11,665	

benzene-d6 (IS)

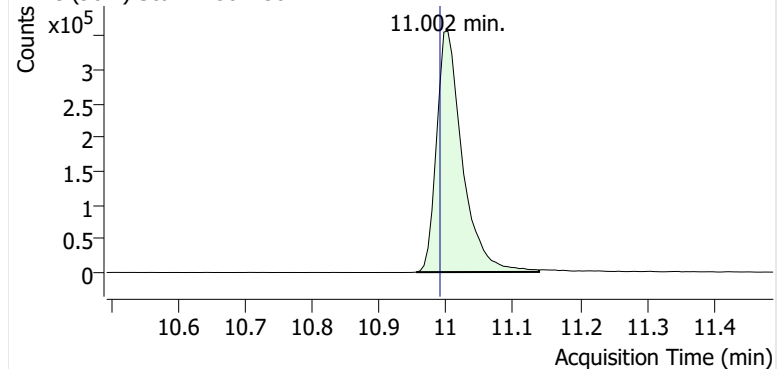


Benzene

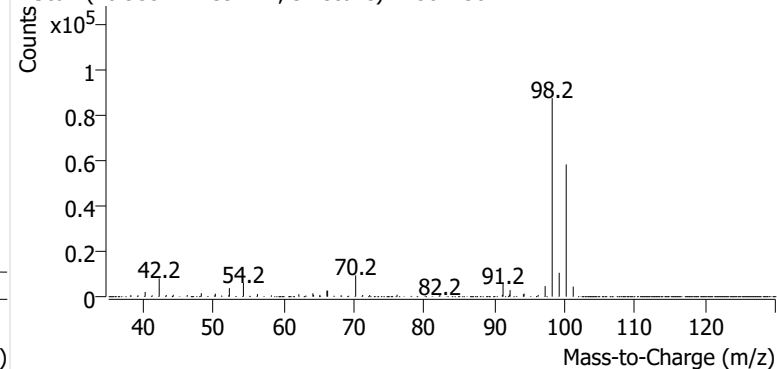


Toluene-d8 (IS)

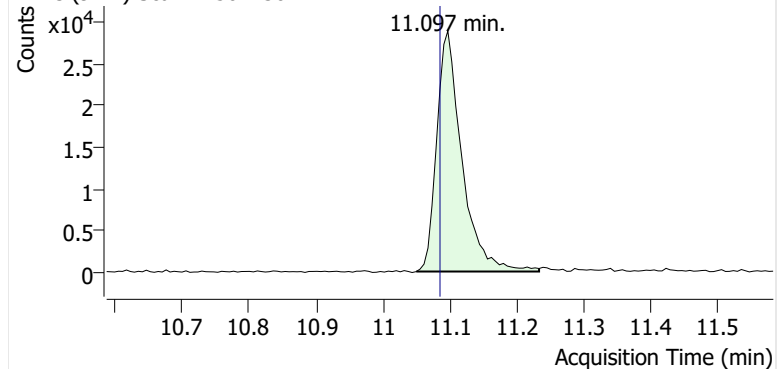
+ EIC (98.1) Scan P2501130.D



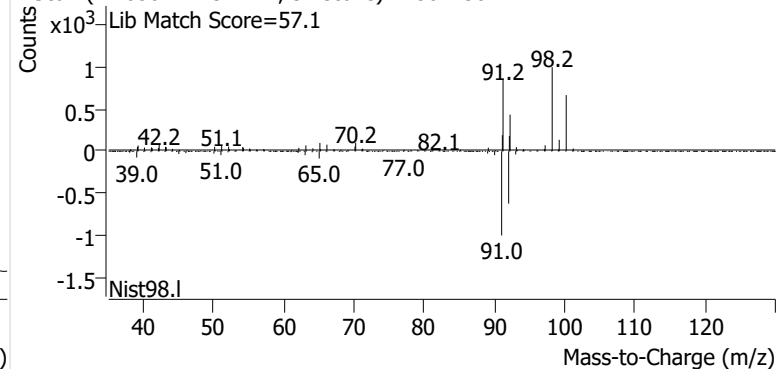
+ Scan (10.955-11.139 min, 31 scans) P2501130.D

**Toluene**

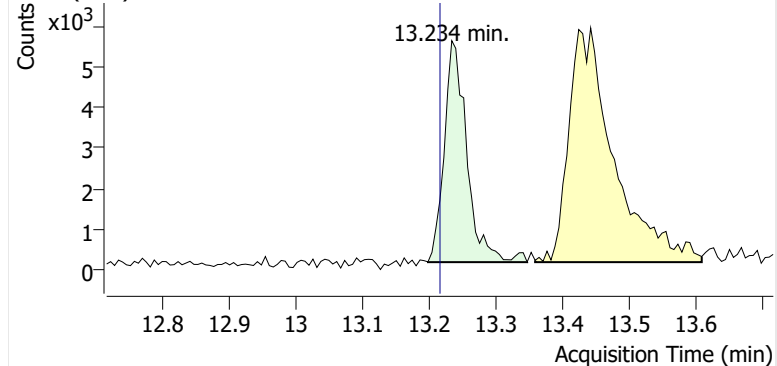
+ EIC (91.1) Scan P2501130.D



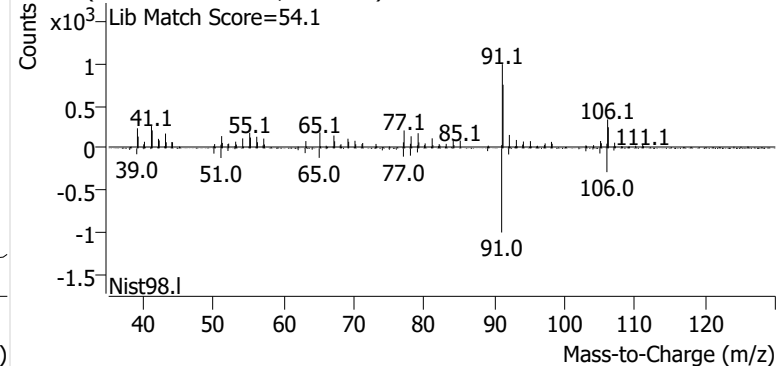
+ Scan (11.050-11.234 min, 31 scans) P2501130.D

**Ethylbenzene**

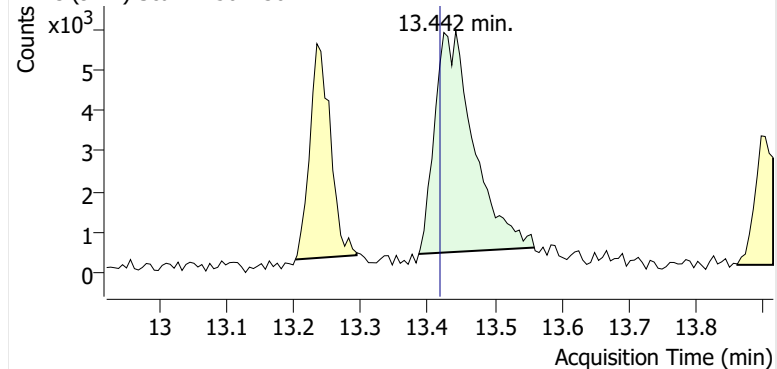
+ EIC (91.1) Scan P2501130.D



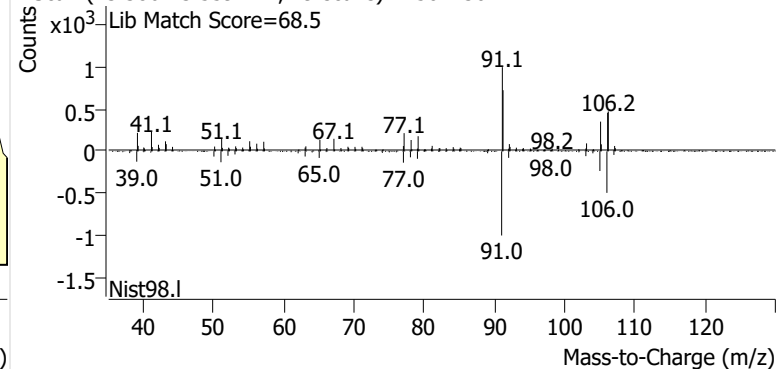
+ Scan (13.198-13.347 min, 26 scans) P2501130.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501130.D

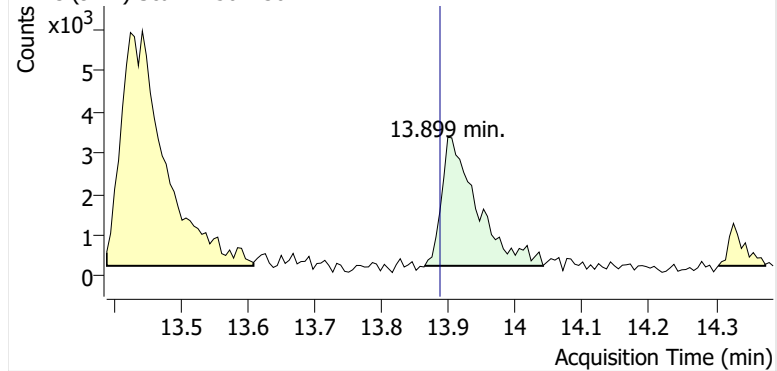


+ Scan (13.386-13.559 min, 29 scans) P2501130.D

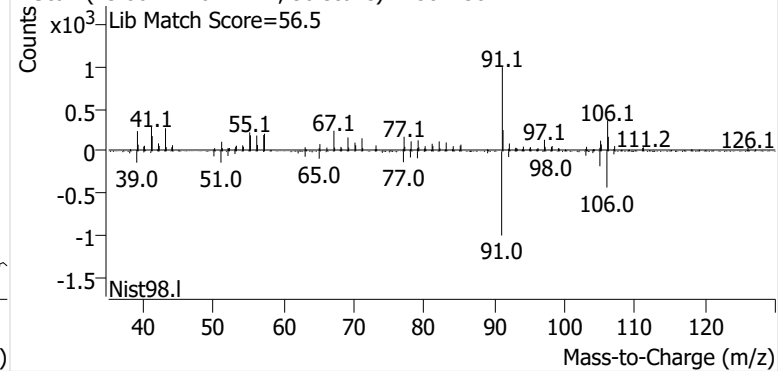


o-Xylene

+ EIC (91.1) Scan P2501130.D

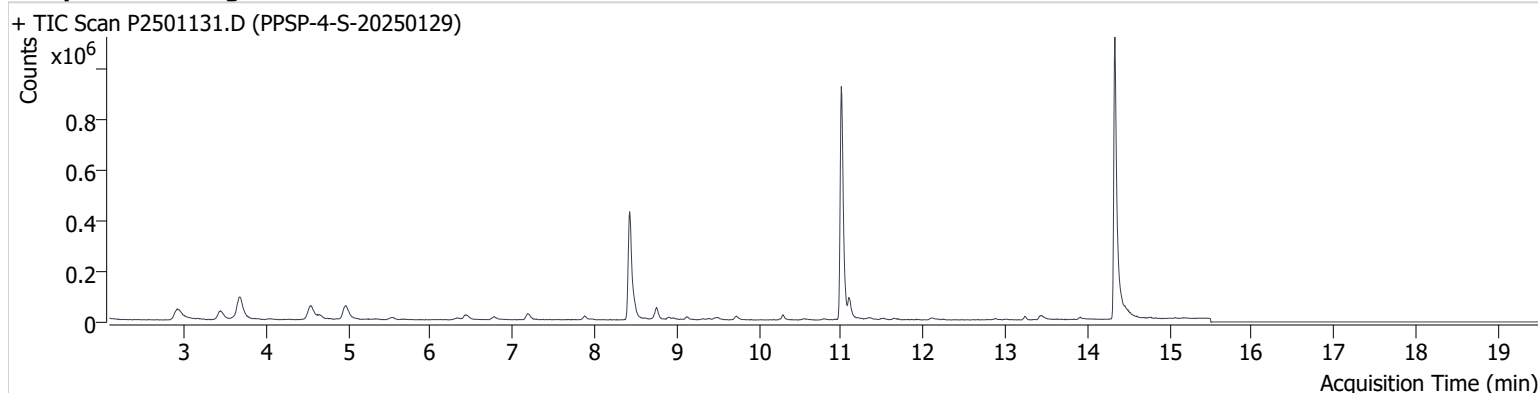


+ Scan (13.864-14.041 min, 30 scans) P2501130.D



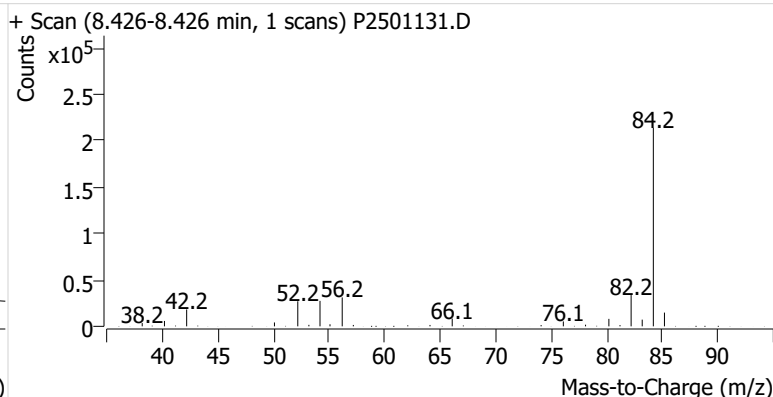
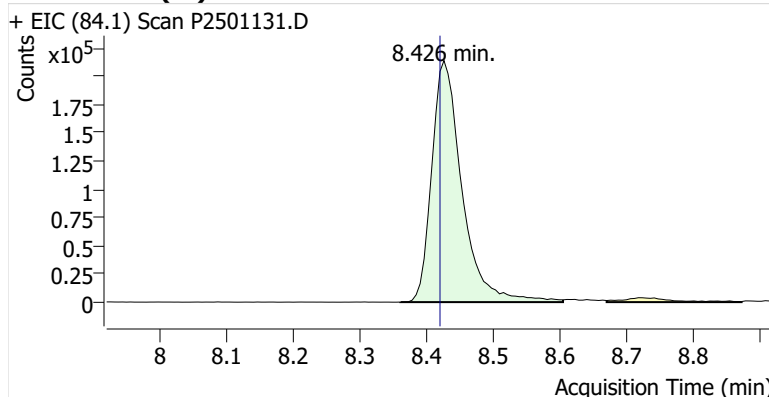
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Comment B20603
Data File P2501131.D
Acq. Date-Time 2/15/2025 7:21:13 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

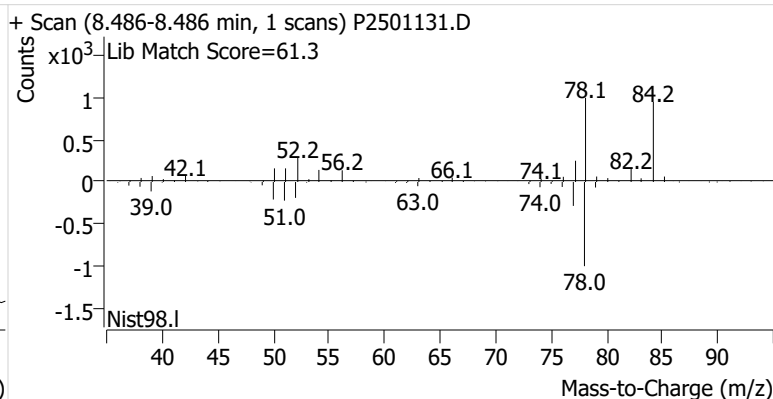
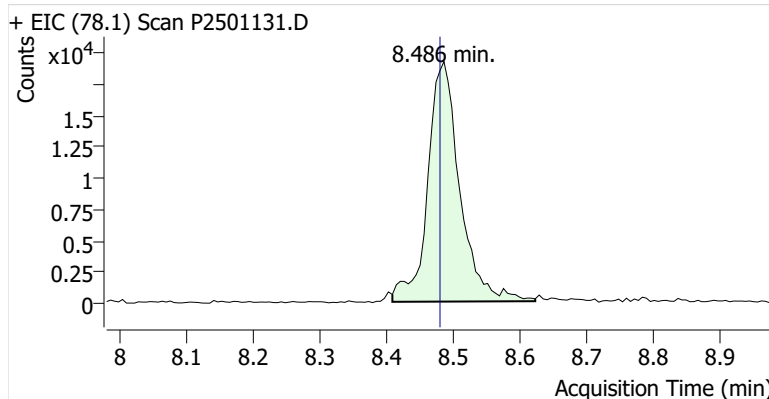


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	670,858	
Benzene	benzene-d6 (IS)	8.486	8.480	64,177	
Toluene-d8 (IS)		11.002	10.990	967,472	
Toluene	Toluene-d8 (IS)	11.097	11.085	78,718	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	11,570	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	27,299	
o-Xylene	Toluene-d8 (IS)	13.911	13.887	11,763	

benzene-d6 (IS)

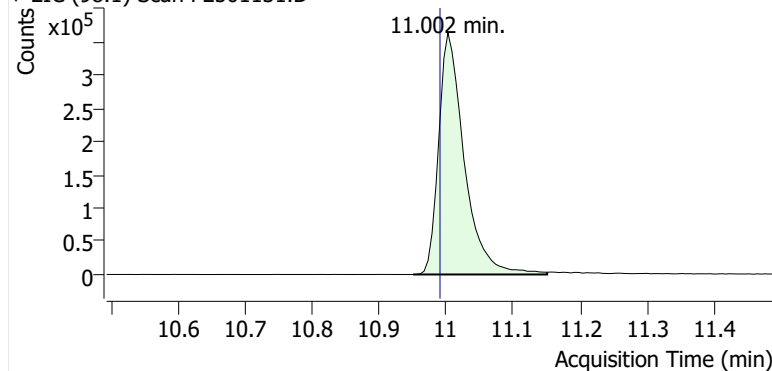


Benzene

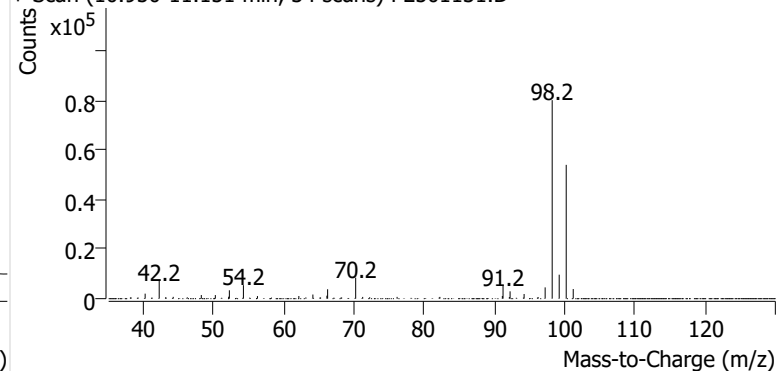


Toluene-d8 (IS)

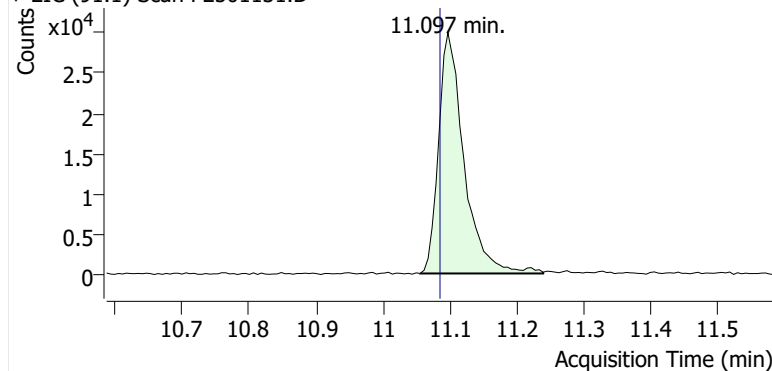
+ EIC (98.1) Scan P2501131.D



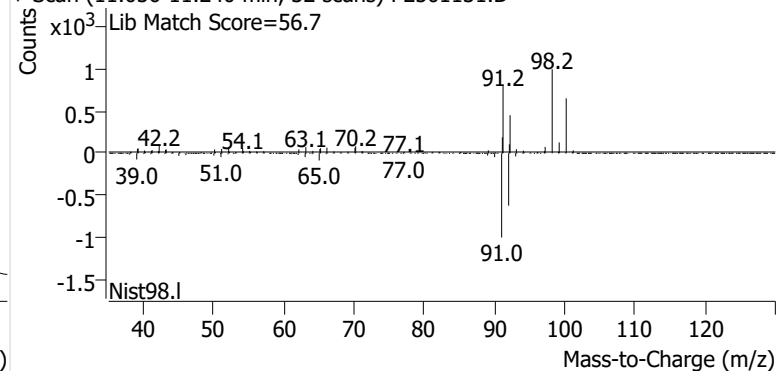
+ Scan (10.950-11.151 min, 34 scans) P2501131.D

**Toluene**

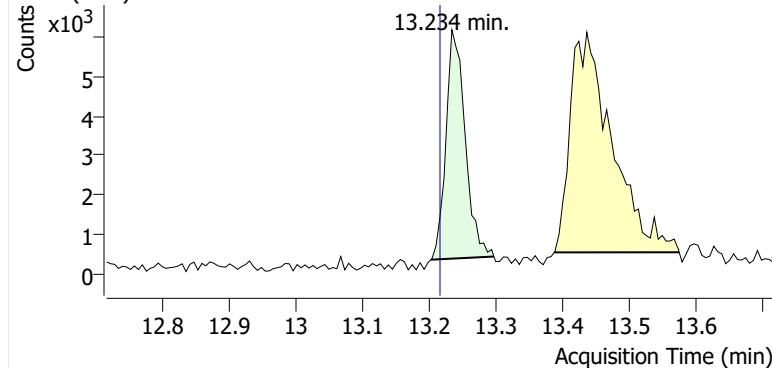
+ EIC (91.1) Scan P2501131.D



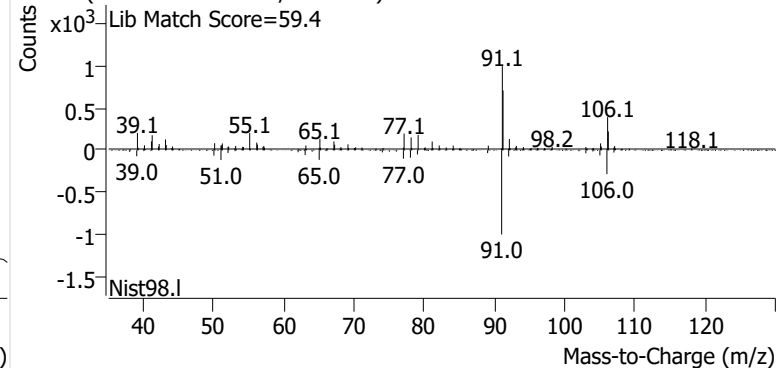
+ Scan (11.056-11.240 min, 32 scans) P2501131.D

**Ethylbenzene**

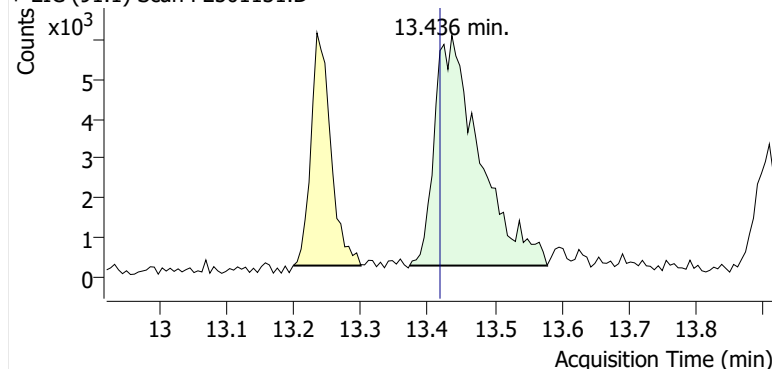
+ EIC (91.1) Scan P2501131.D



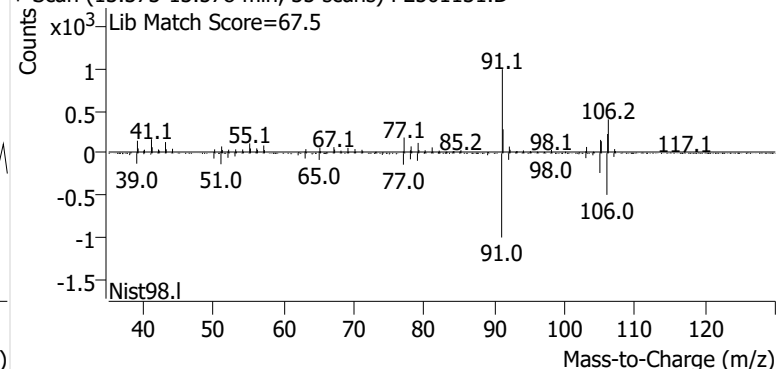
+ Scan (13.203-13.297 min, 16 scans) P2501131.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501131.D

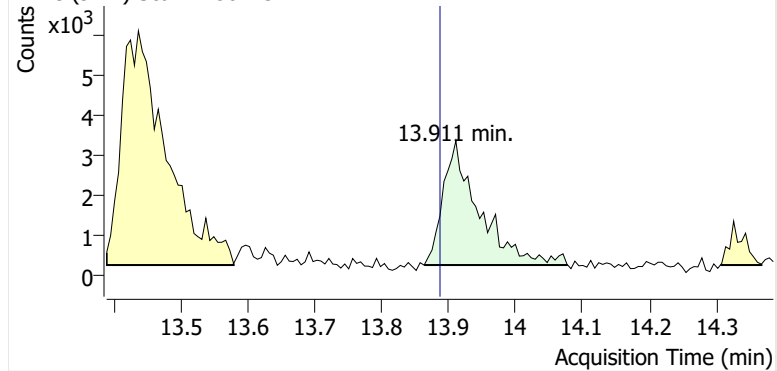


+ Scan (13.373-13.578 min, 35 scans) P2501131.D

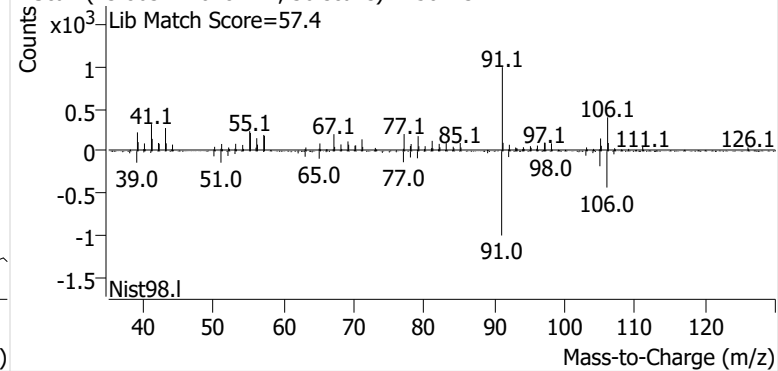


o-Xylene

+ EIC (91.1) Scan P2501131.D

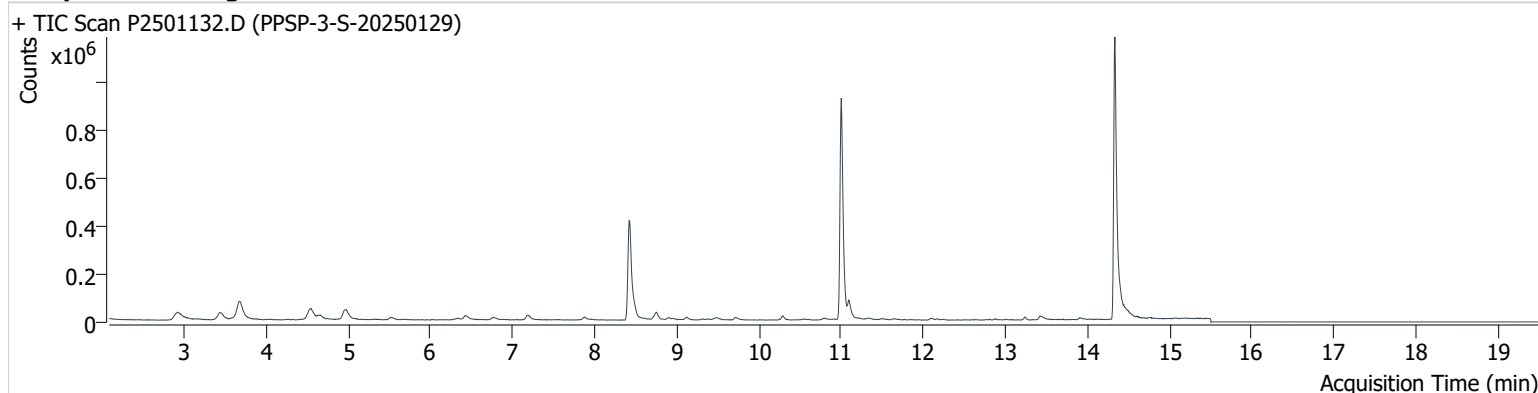


+ Scan (13.863-14.078 min, 36 scans) P2501131.D



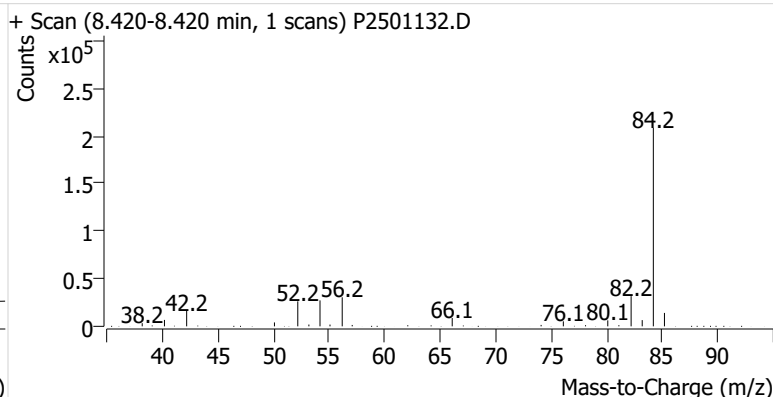
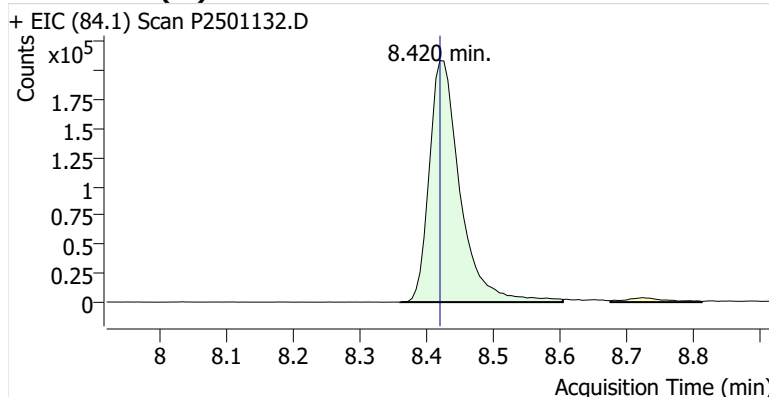
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Comment C17264
Data File P2501132.D
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Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

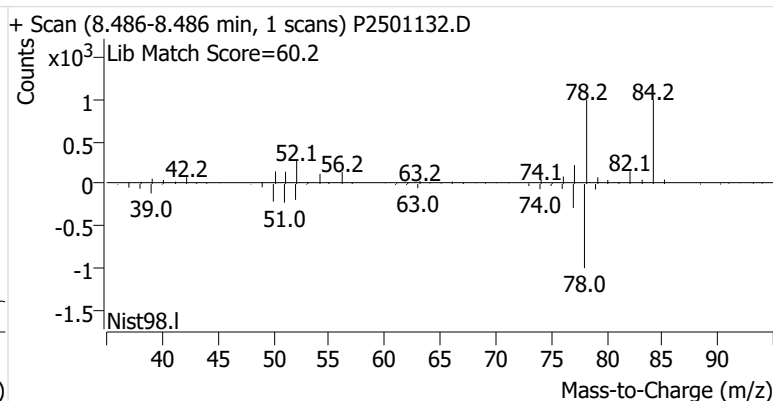
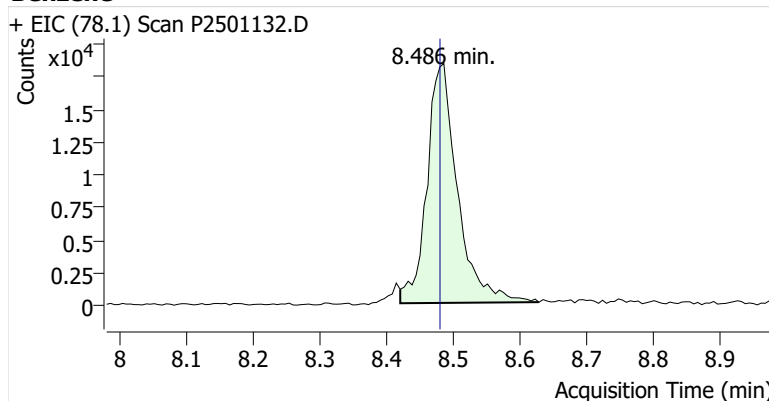


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.420	8.420	669,523	
Benzene	benzene-d6 (IS)	8.486	8.480	58,408	
Toluene-d8 (IS)		11.002	10.990	951,163	
Toluene	Toluene-d8 (IS)	11.091	11.085	68,559	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	11,362	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	25,660	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	9,510	

benzene-d6 (IS)

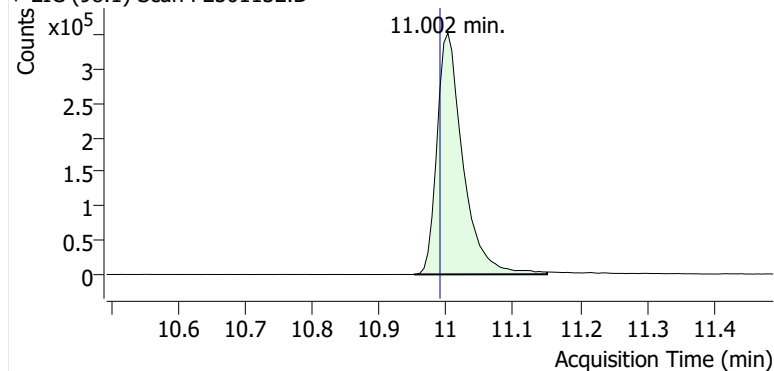


Benzene

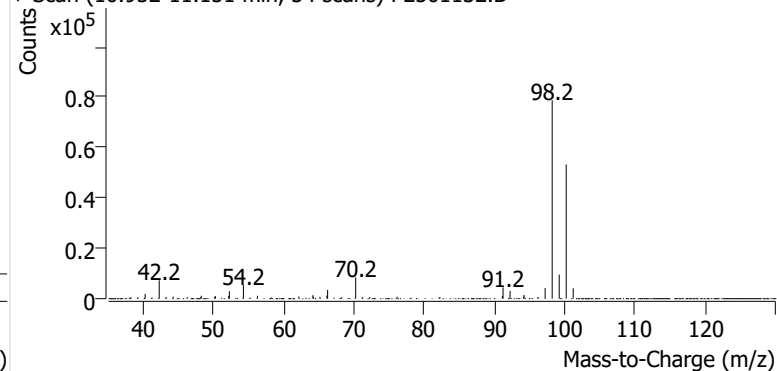


Toluene-d8 (IS)

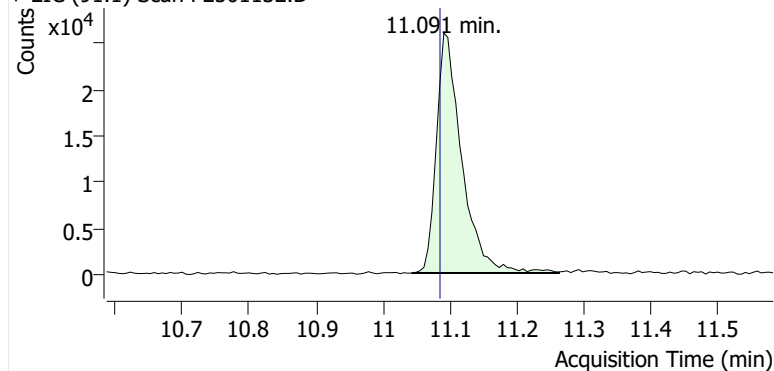
+ EIC (98.1) Scan P2501132.D



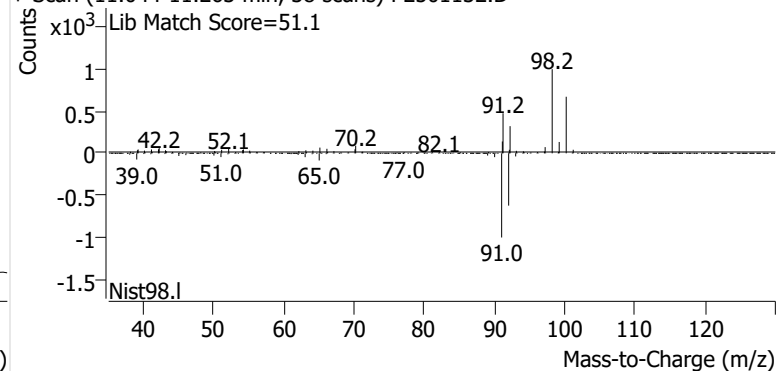
+ Scan (10.952-11.151 min, 34 scans) P2501132.D

**Toluene**

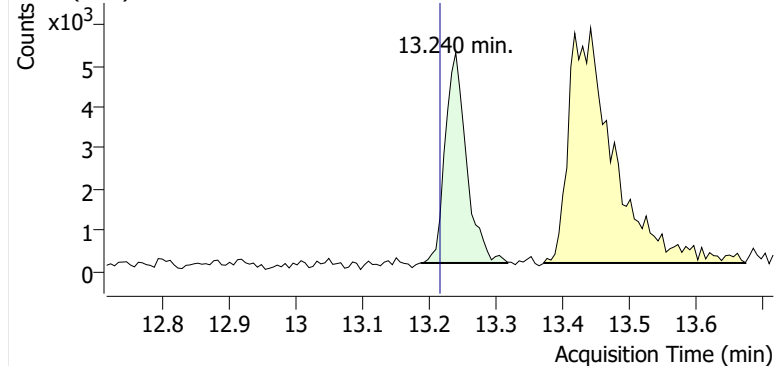
+ EIC (91.1) Scan P2501132.D



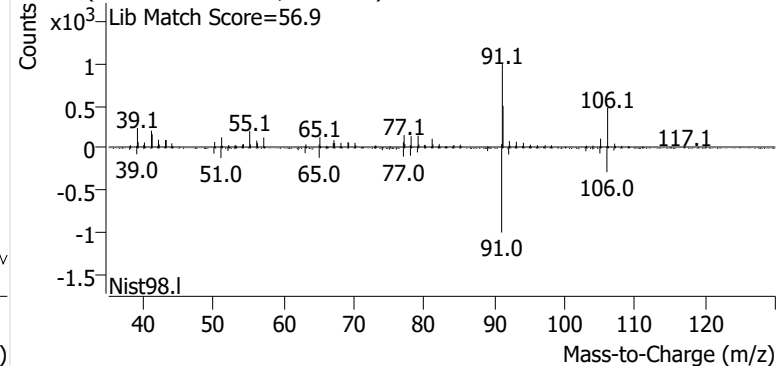
+ Scan (11.044-11.263 min, 38 scans) P2501132.D

**Ethylbenzene**

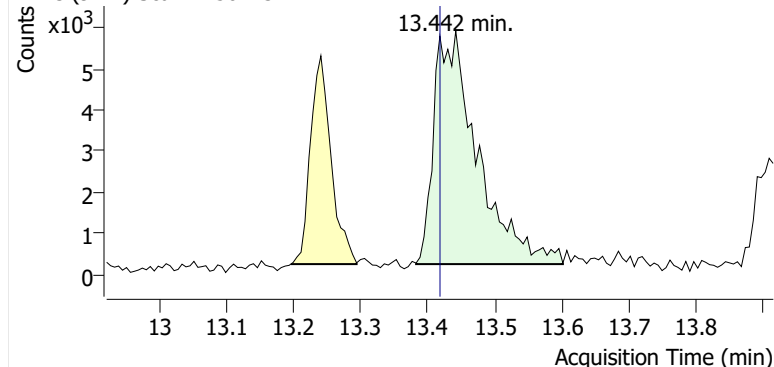
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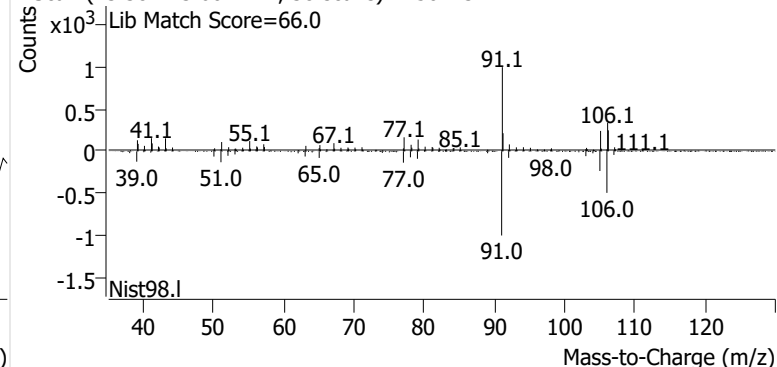
+ Scan (13.187-13.317 min, 22 scans) P2501132.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501132.D

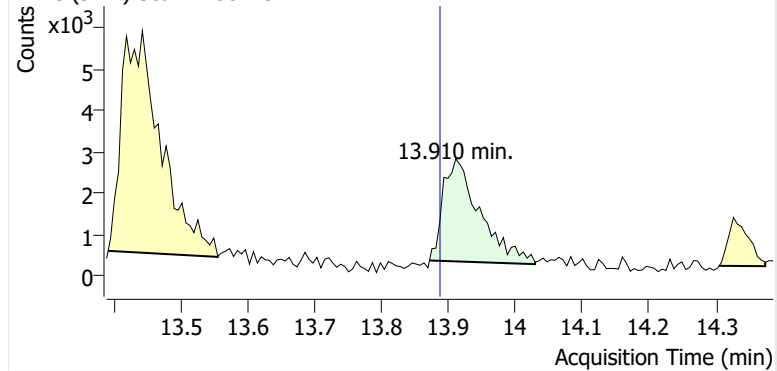


+ Scan (13.382-13.602 min, 38 scans) P2501132.D

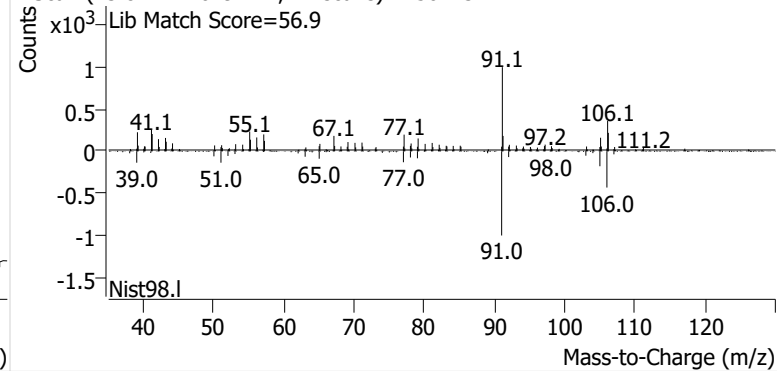


o-Xylene

+ EIC (91.1) Scan P2501132.D

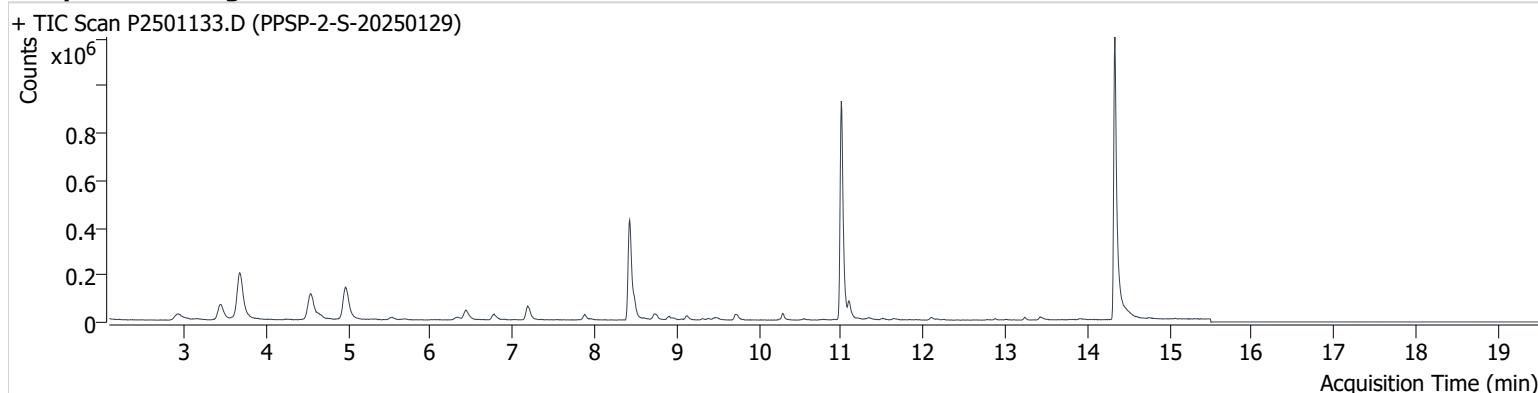


+ Scan (13.871-14.029 min, 27 scans) P2501132.D



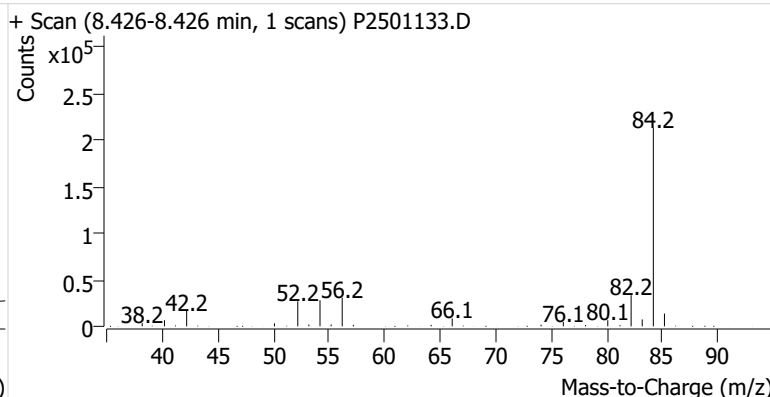
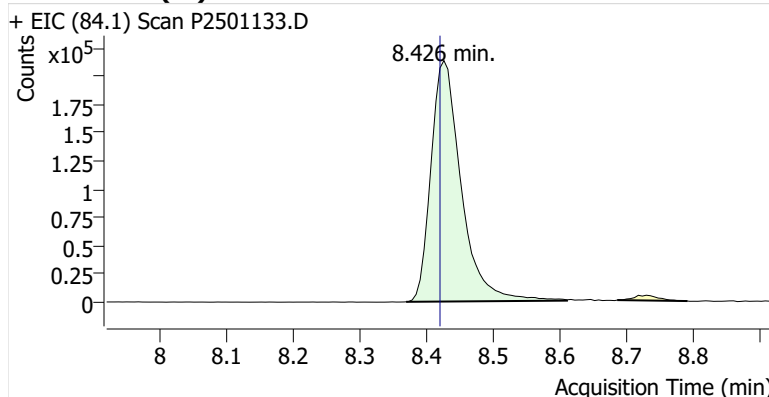
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Comment B48156
Data File P2501133.D
Acq. Date-Time 2/15/2025 8:35:48 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

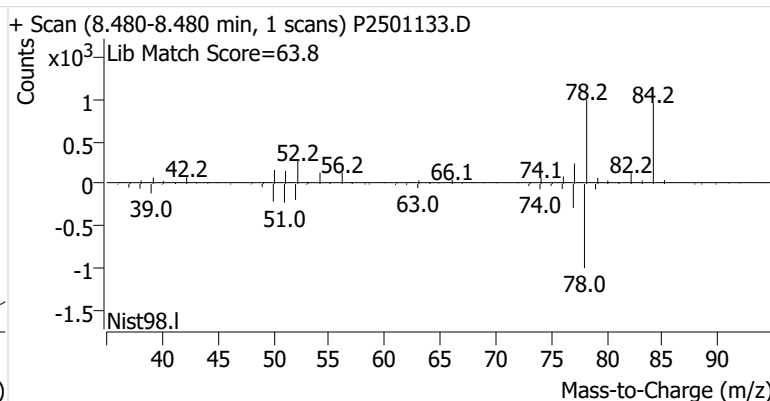
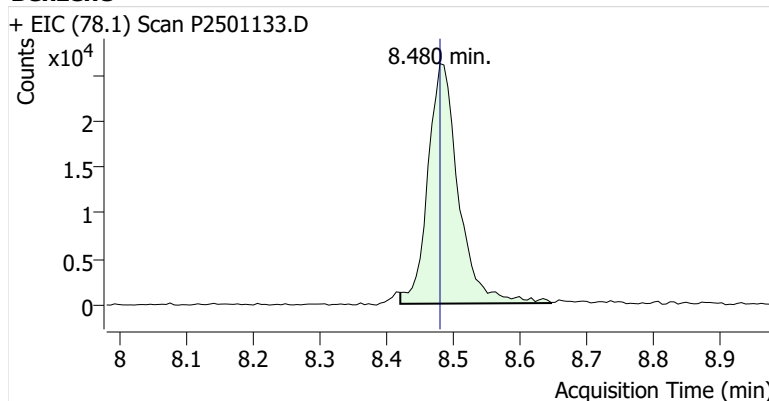


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	670,043	
Benzene	benzene-d6 (IS)	8.480	8.480	83,137	
Toluene-d8 (IS)		11.002	10.990	949,157	
Toluene	Toluene-d8 (IS)	11.097	11.085	68,400	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	10,150	
m-/p-Xylenes	Toluene-d8 (IS)	13.418	13.418	18,801	
o-Xylene	Toluene-d8 (IS)	13.911	13.887	7,079	

benzene-d6 (IS)

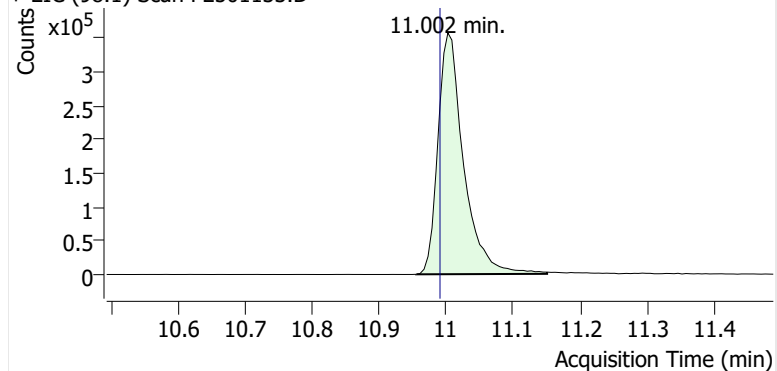


Benzene

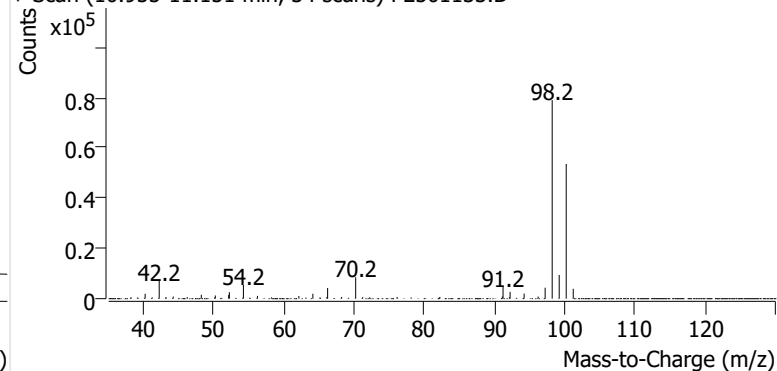


Toluene-d8 (IS)

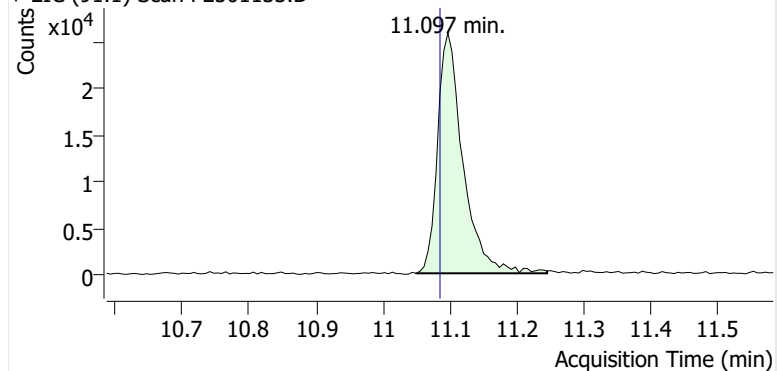
+ EIC (98.1) Scan P2501133.D



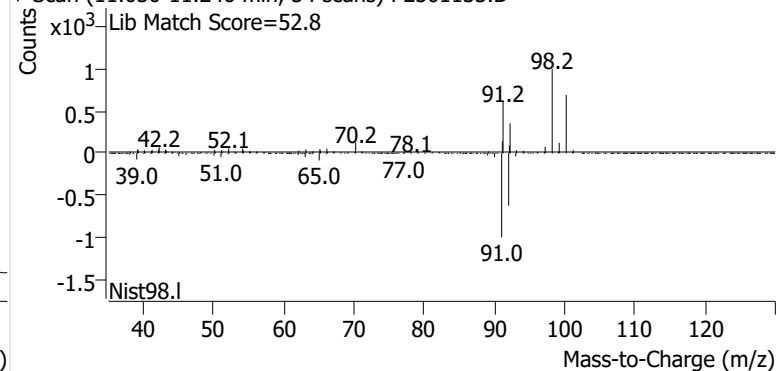
+ Scan (10.955-11.151 min, 34 scans) P2501133.D

**Toluene**

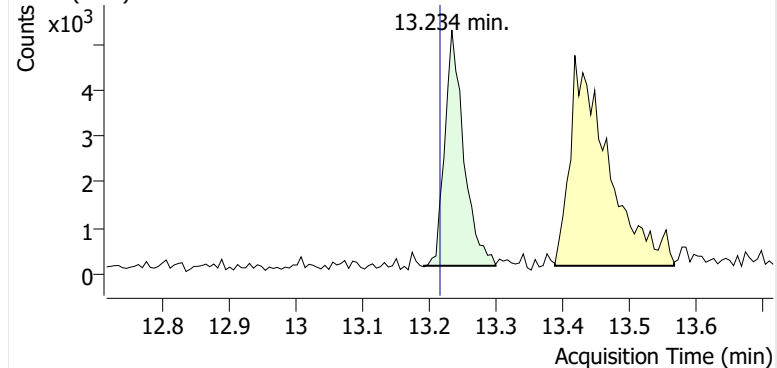
+ EIC (91.1) Scan P2501133.D



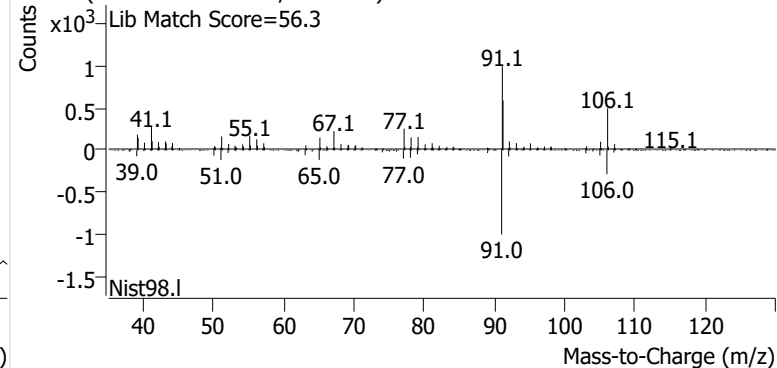
+ Scan (11.050-11.246 min, 34 scans) P2501133.D

**Ethylbenzene**

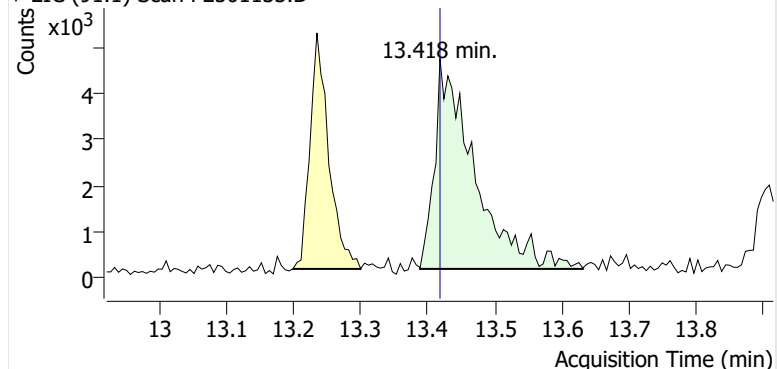
+ EIC (91.1) Scan P2501133.D



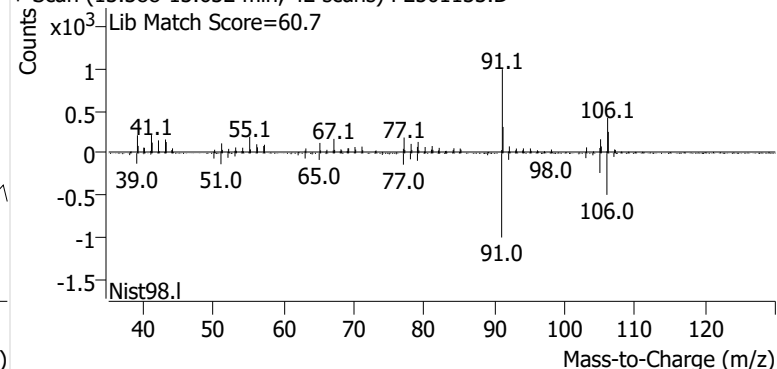
+ Scan (13.192-13.299 min, 19 scans) P2501133.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501133.D

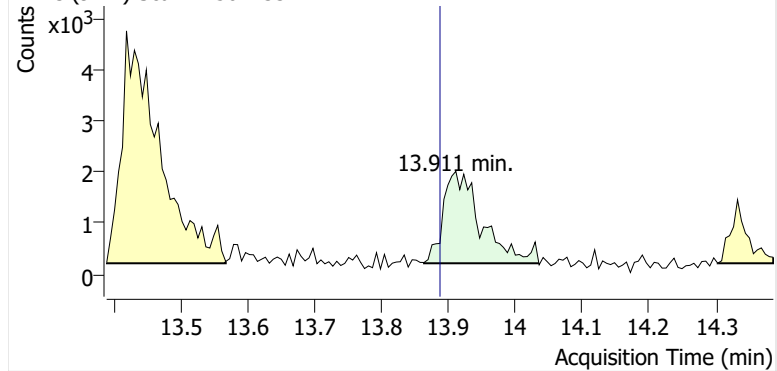


+ Scan (13.388-13.632 min, 42 scans) P2501133.D

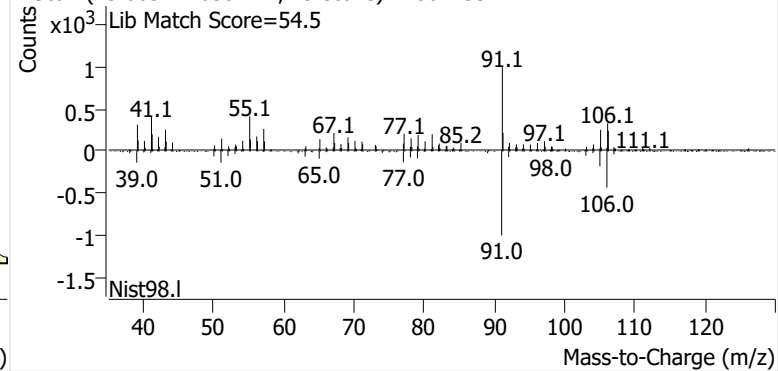


o-Xylene

+ EIC (91.1) Scan P2501133.D

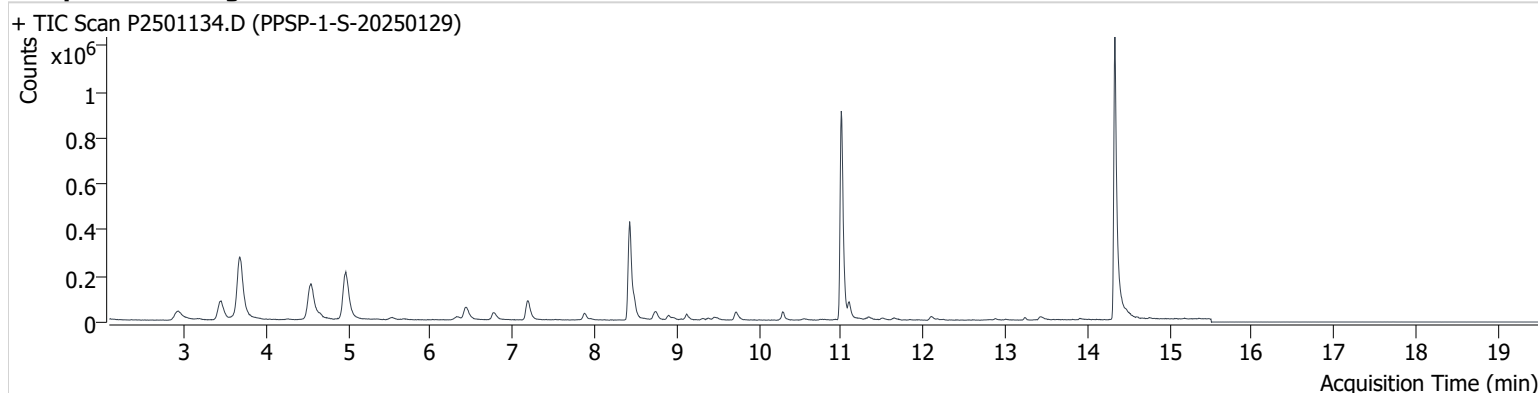


+ Scan (13.863-14.035 min, 29 scans) P2501133.D



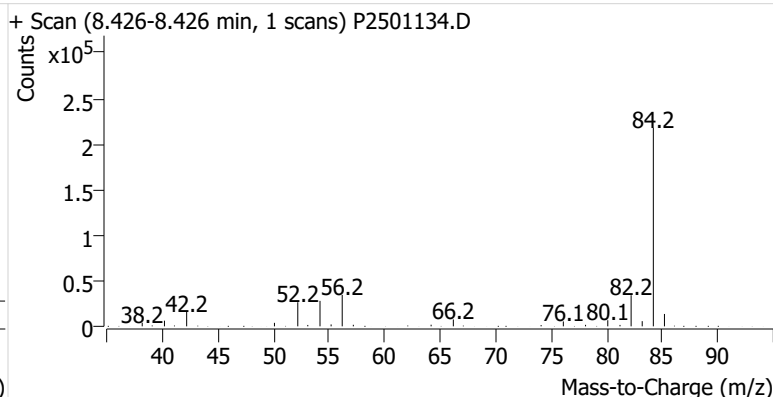
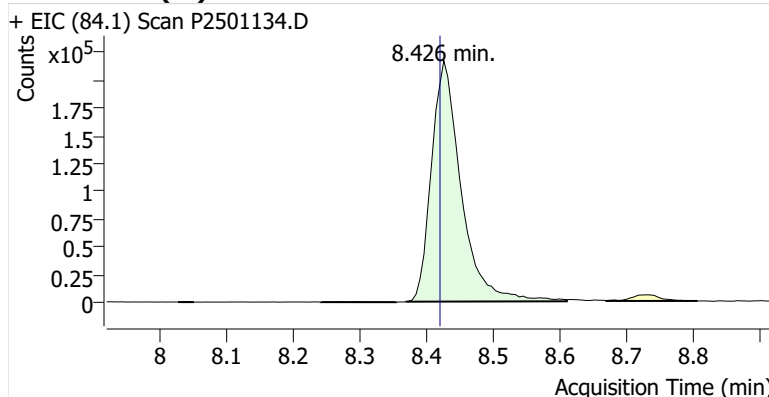
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Comment C38597
Data File P2501134.D
Acq. Date-Time 2/15/2025 9:13:07 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

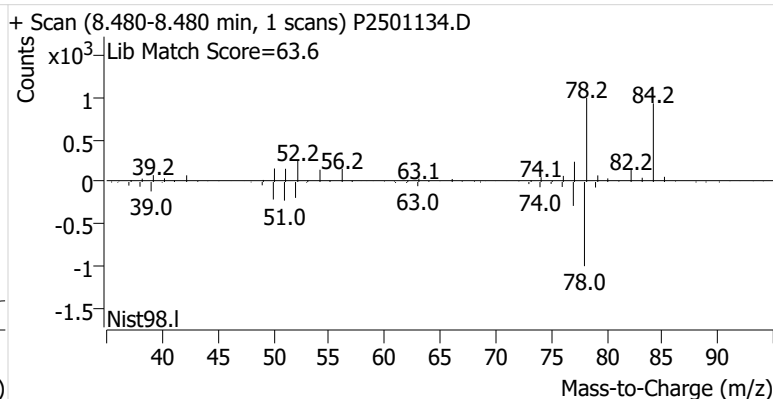
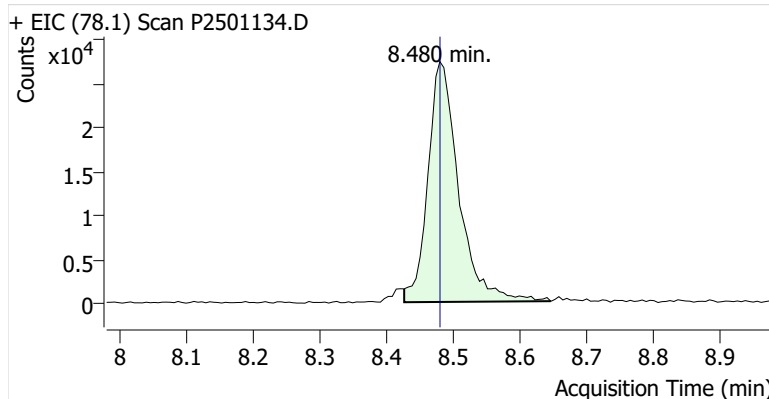


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	669,361	
Benzene	benzene-d6 (IS)	8.480	8.480	87,665	
Toluene-d8 (IS)		11.002	10.990	954,590	
Toluene	Toluene-d8 (IS)	11.097	11.085	65,848	
Ethylbenzene	Toluene-d8 (IS)	13.234	13.216	8,509	
m-/p-Xylenes	Toluene-d8 (IS)	13.424	13.418	18,919	
o-Xylene	Toluene-d8 (IS)	13.904	13.887	8,547	

benzene-d6 (IS)

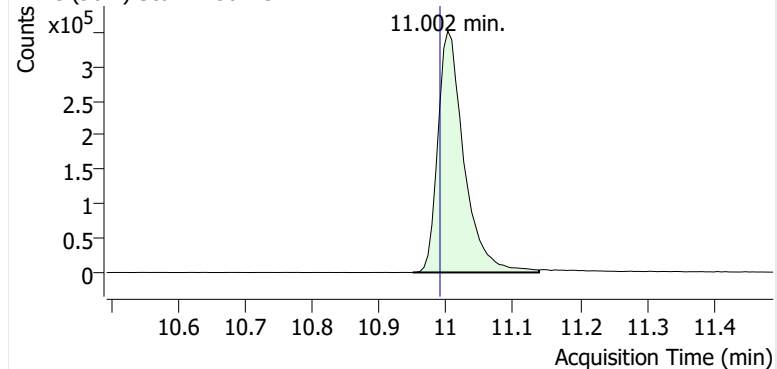


Benzene

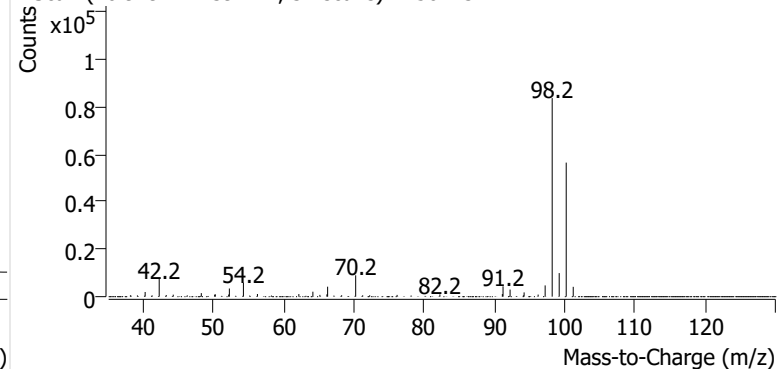


Toluene-d8 (IS)

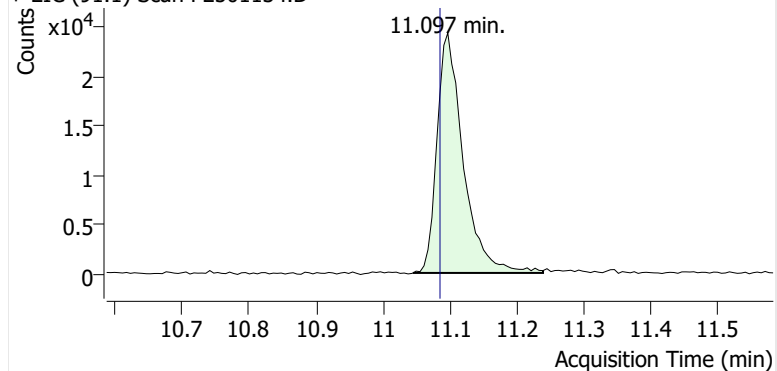
+ EIC (98.1) Scan P2501134.D



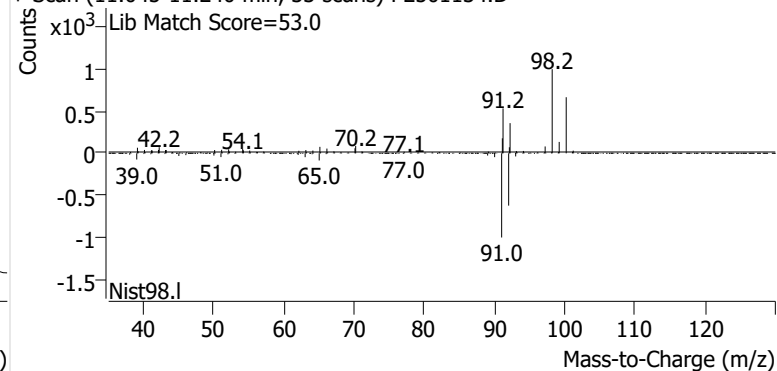
+ Scan (10.949-11.139 min, 32 scans) P2501134.D

**Toluene**

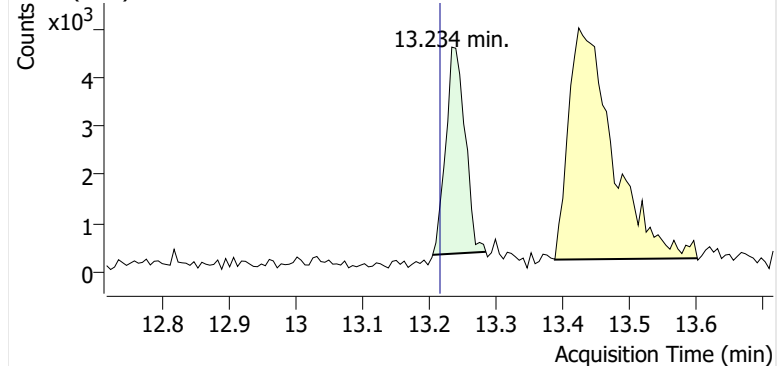
+ EIC (91.1) Scan P2501134.D



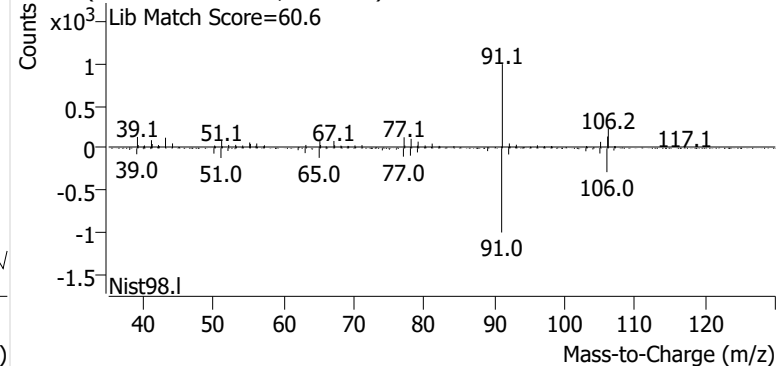
+ Scan (11.045-11.240 min, 33 scans) P2501134.D

**Ethylbenzene**

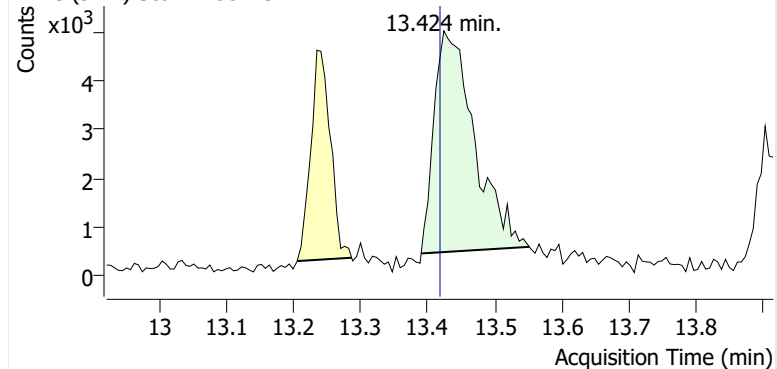
+ EIC (91.1) Scan P2501134.D



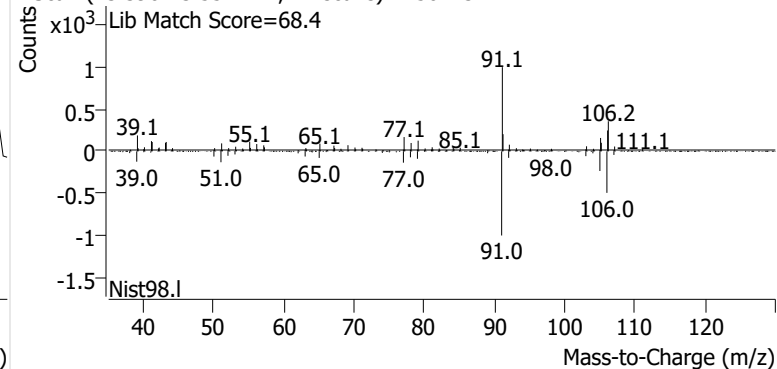
+ Scan (13.205-13.285 min, 13 scans) P2501134.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501134.D

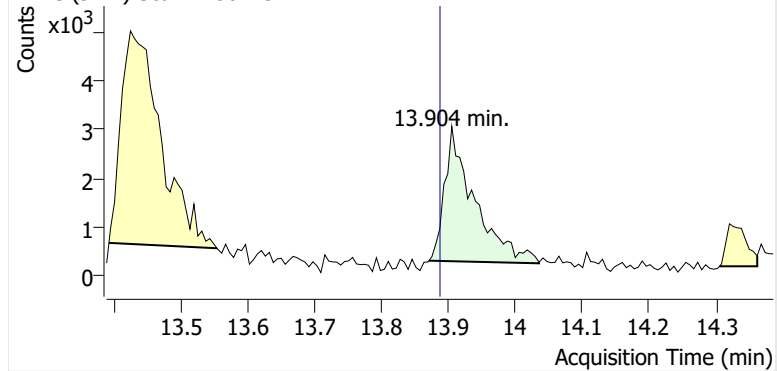


+ Scan (13.390-13.552 min, 27 scans) P2501134.D

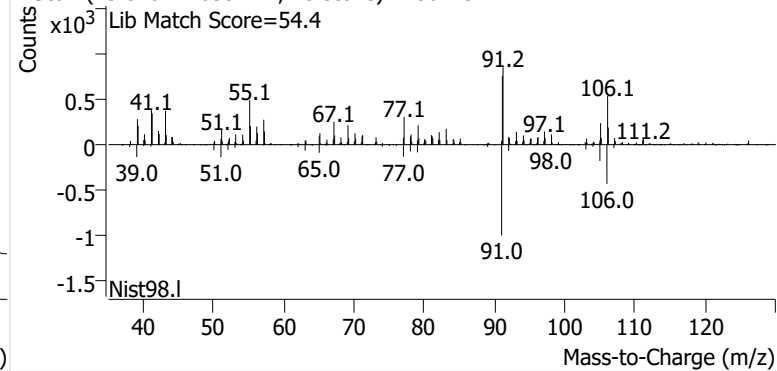


o-Xylene

+ EIC (91.1) Scan P2501134.D

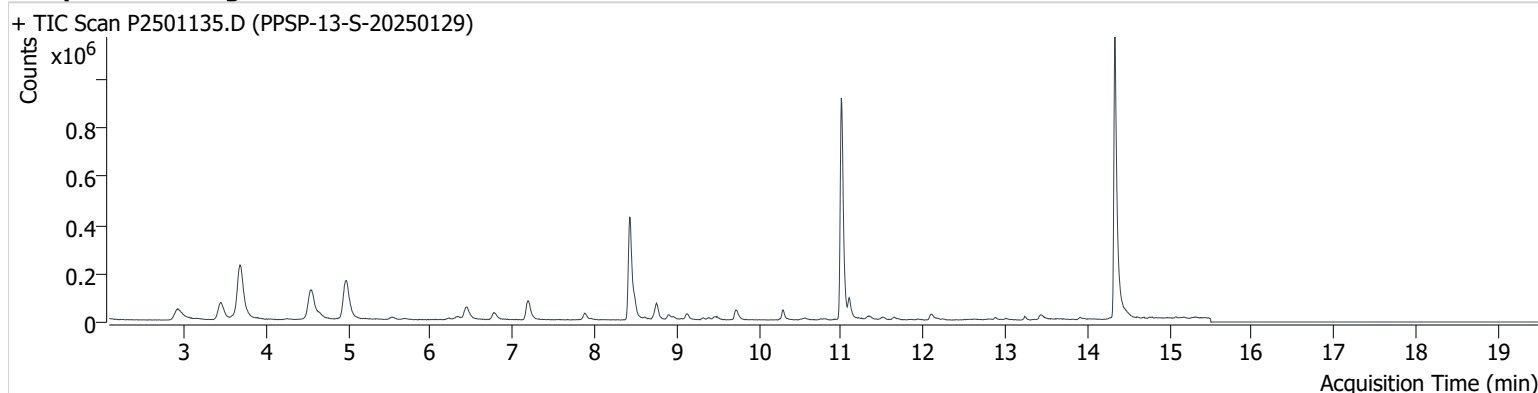


+ Scan (13.870-14.035 min, 28 scans) P2501134.D



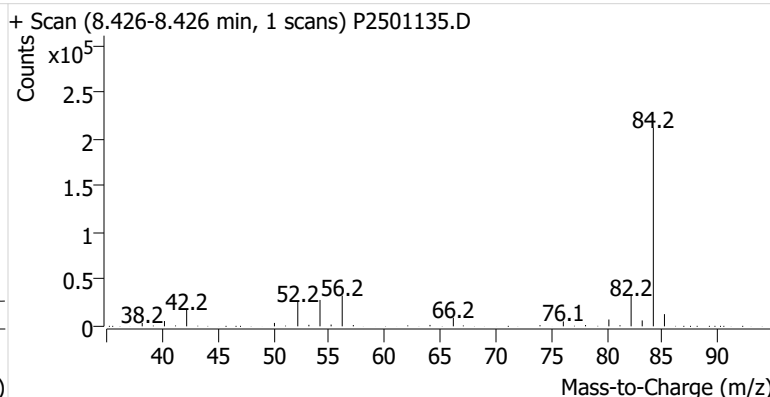
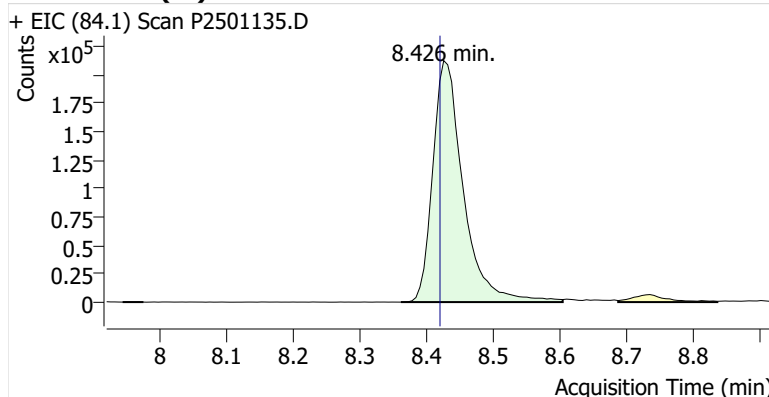
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Comment C56842
Data File P2501135.D
Acq. Date-Time 2/15/2025 9:50:27 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

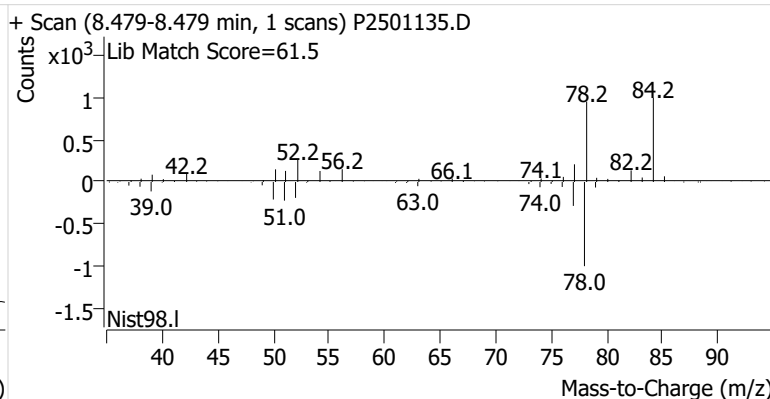
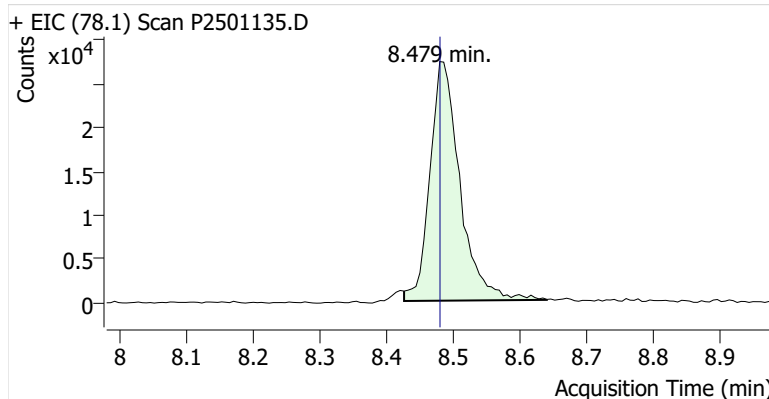


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	671,810	
Benzene	benzene-d6 (IS)	8.479	8.480	85,220	
Toluene-d8 (IS)		11.002	10.990	960,432	
Toluene	Toluene-d8 (IS)	11.097	11.085	77,435	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	12,655	
m-/p-Xylenes	Toluene-d8 (IS)	13.429	13.418	26,877	
o-Xylene	Toluene-d8 (IS)	13.904	13.887	12,718	

benzene-d6 (IS)

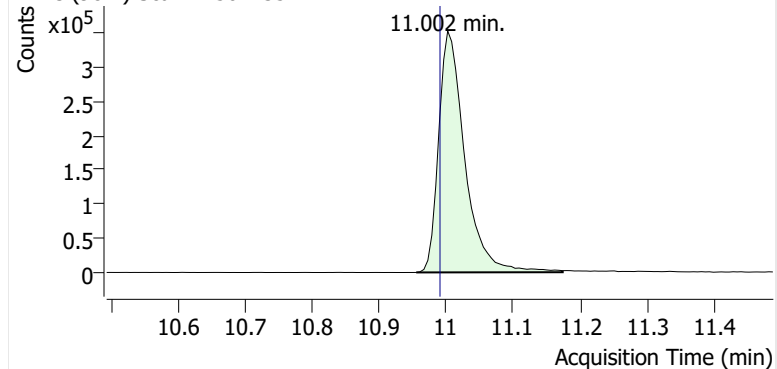


Benzene

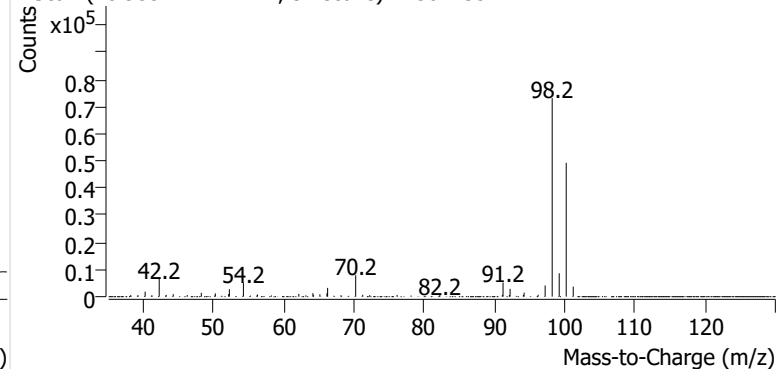


Toluene-d8 (IS)

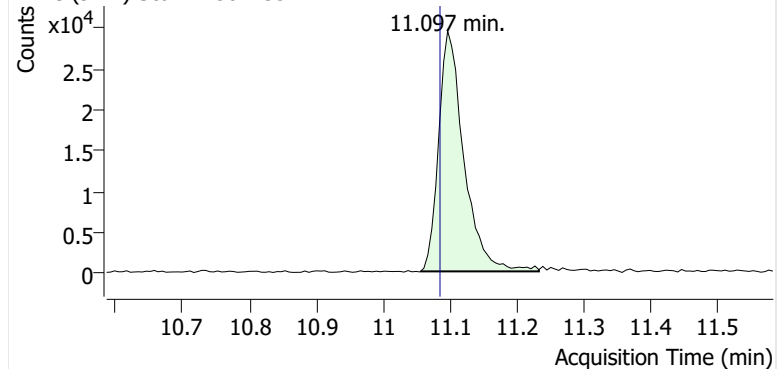
+ EIC (98.1) Scan P2501135.D



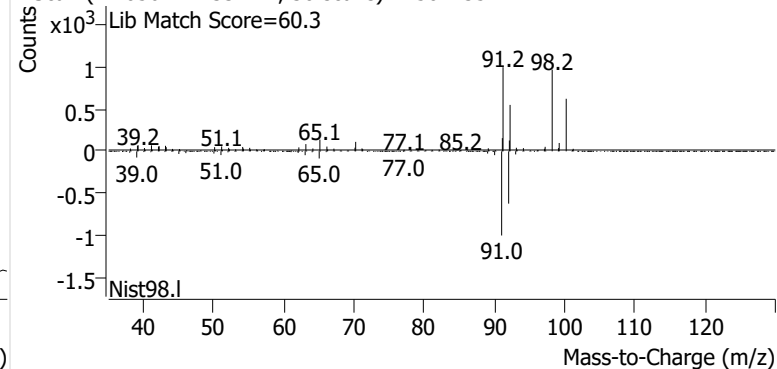
+ Scan (10.955-11.174 min, 37 scans) P2501135.D

**Toluene**

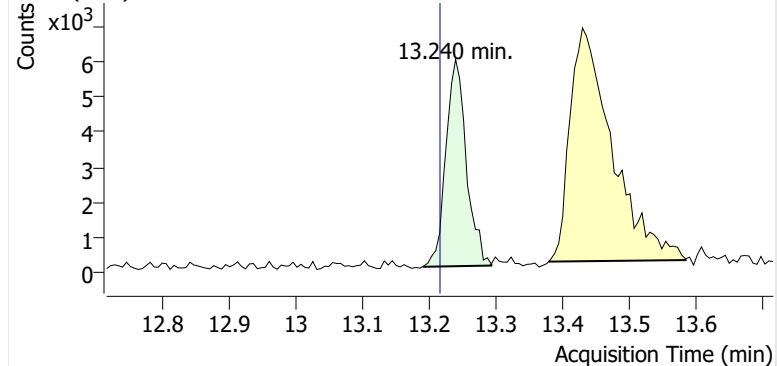
+ EIC (91.1) Scan P2501135.D



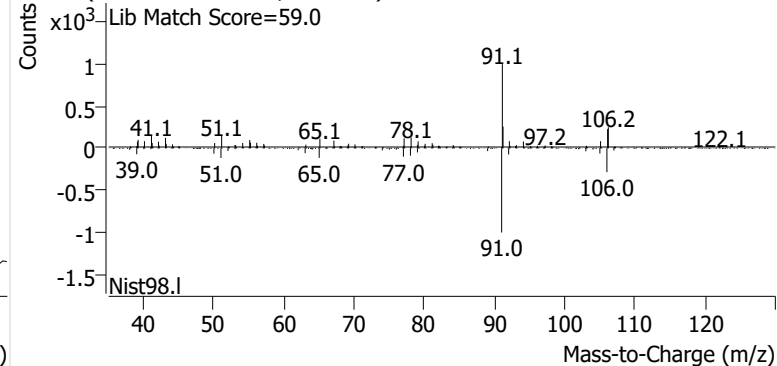
+ Scan (11.056-11.233 min, 30 scans) P2501135.D

**Ethylbenzene**

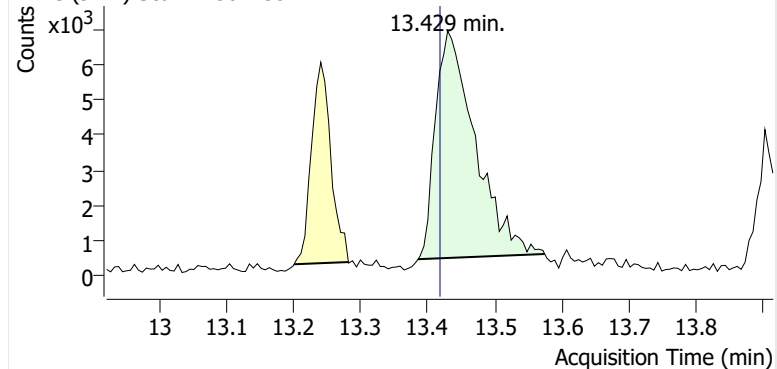
+ EIC (91.1) Scan P2501135.D



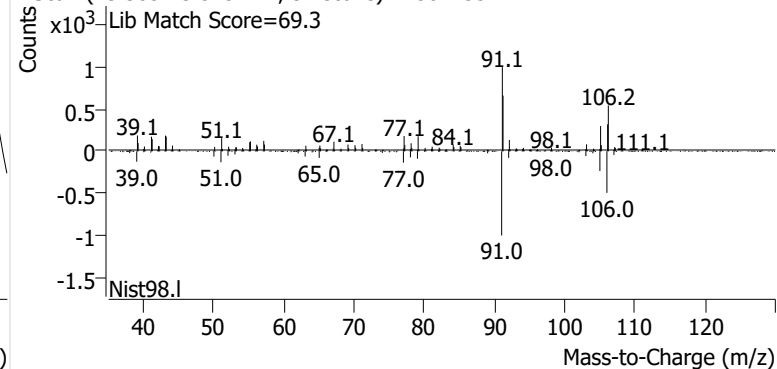
+ Scan (13.192-13.293 min, 18 scans) P2501135.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501135.D

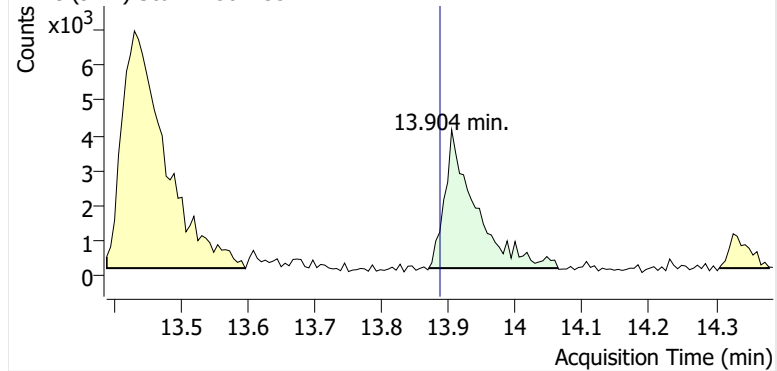


+ Scan (13.385-13.575 min, 32 scans) P2501135.D

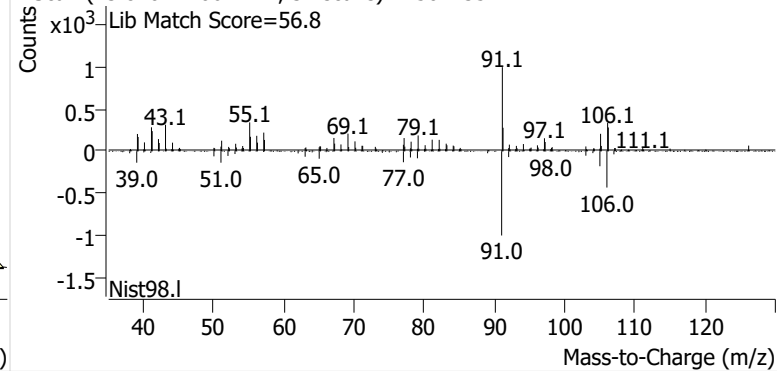


o-Xylene

+ EIC (91.1) Scan P2501135.D

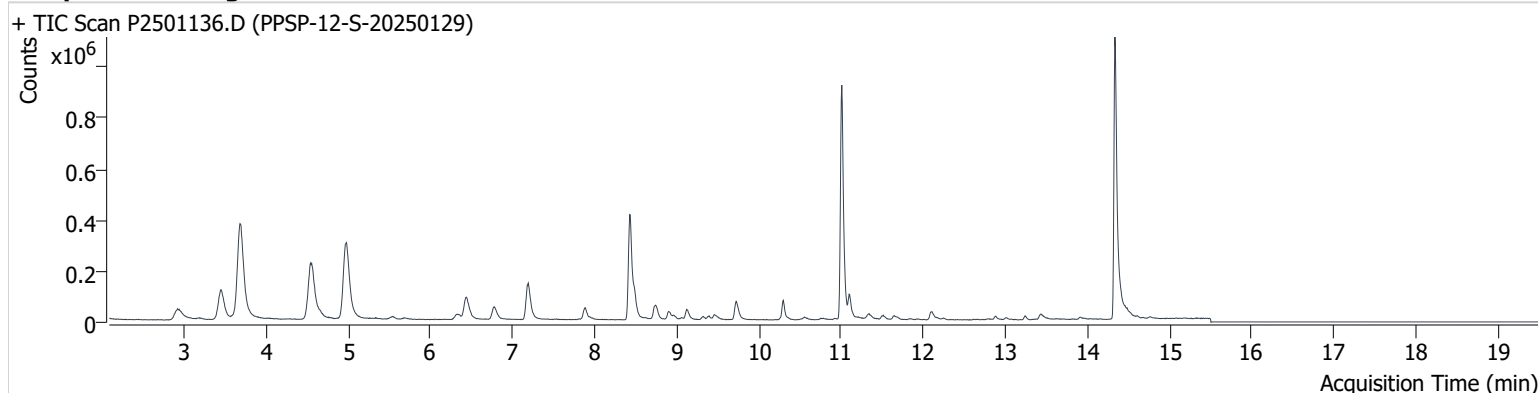


+ Scan (13.870-14.064 min, 32 scans) P2501135.D



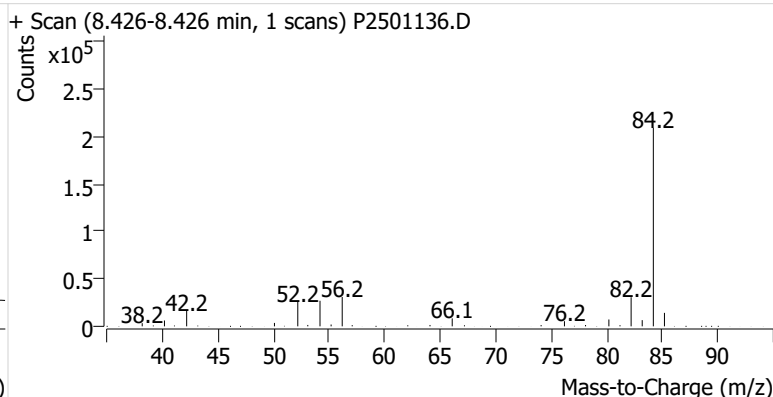
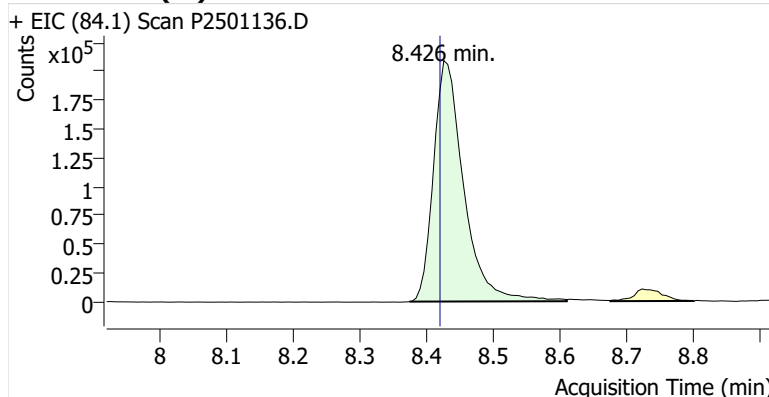
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Comment B19705
Data File P2501136.D
Acq. Date-Time 2/15/2025 10:27:48 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

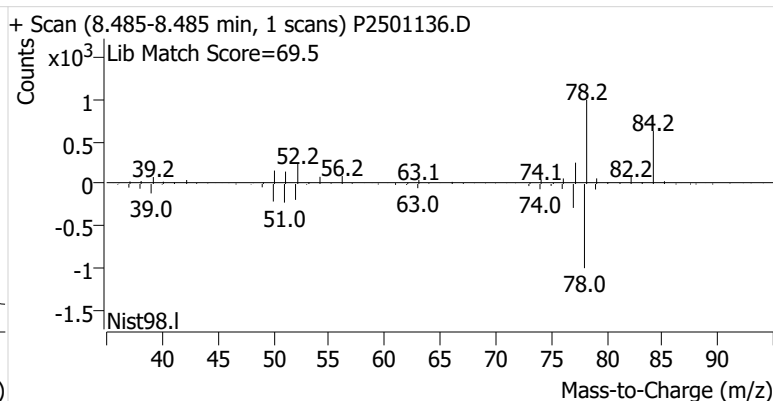
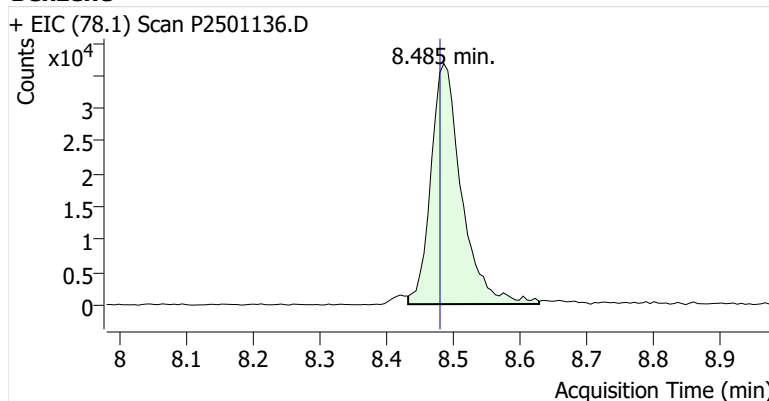


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.426	8.420	655,486	
Benzene	benzene-d6 (IS)	8.485	8.480	116,788	
Toluene-d8 (IS)		11.008	10.990	938,854	
Toluene	Toluene-d8 (IS)	11.103	11.085	87,927	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	12,983	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	34,397	
o-Xylene	Toluene-d8 (IS)	13.910	13.887	11,715	

benzene-d6 (IS)

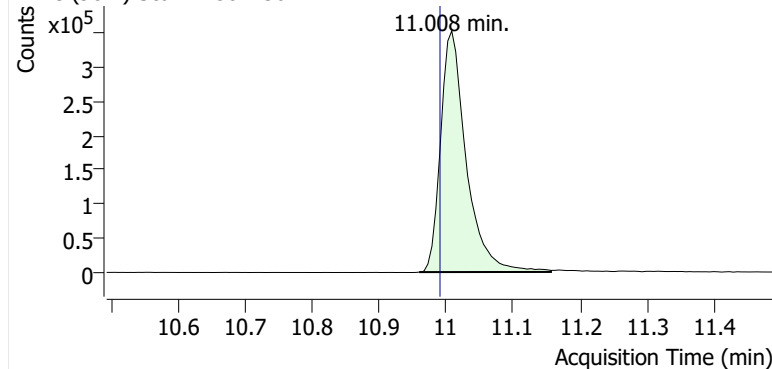


Benzene

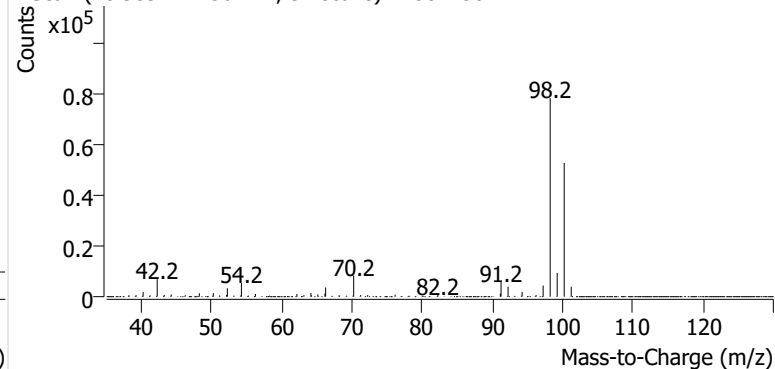


Toluene-d8 (IS)

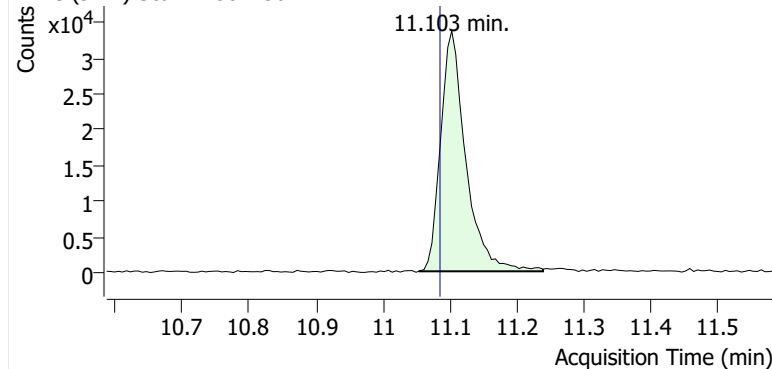
+ EIC (98.1) Scan P2501136.D



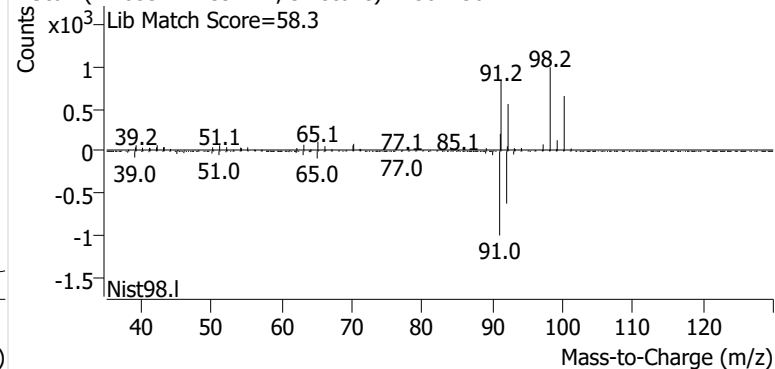
+ Scan (10.959-11.156 min, 34 scans) P2501136.D

**Toluene**

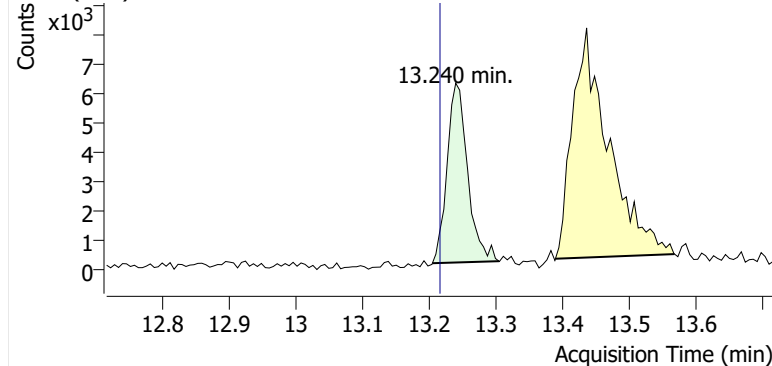
+ EIC (91.1) Scan P2501136.D



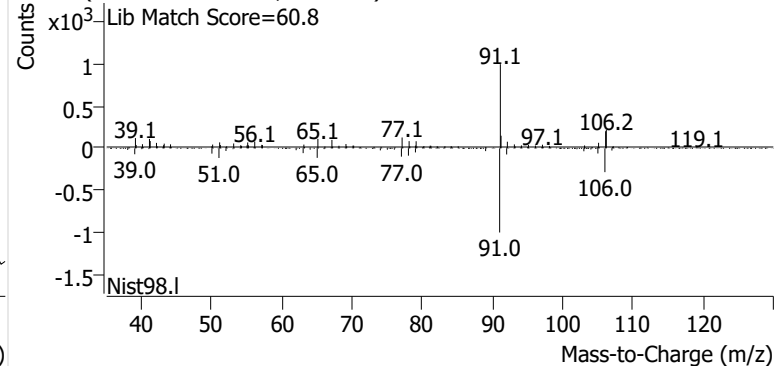
+ Scan (11.053-11.239 min, 32 scans) P2501136.D

**Ethylbenzene**

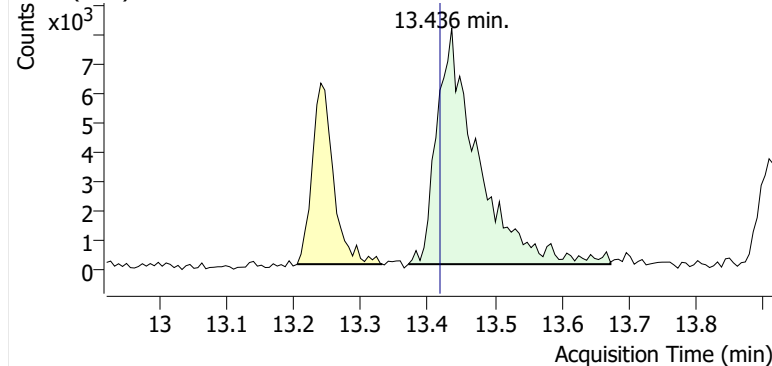
+ EIC (91.1) Scan P2501136.D



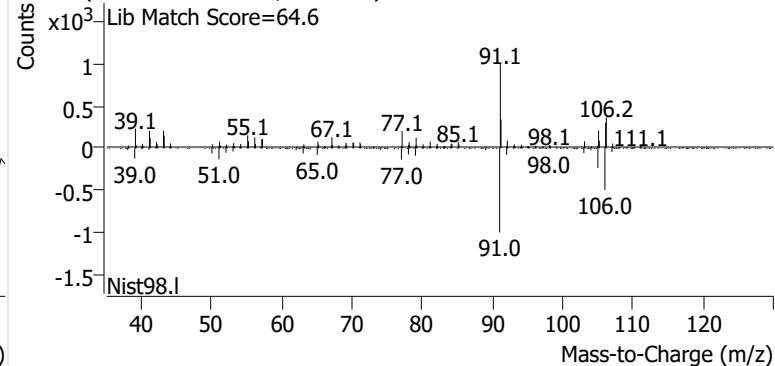
+ Scan (13.205-13.304 min, 16 scans) P2501136.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501136.D

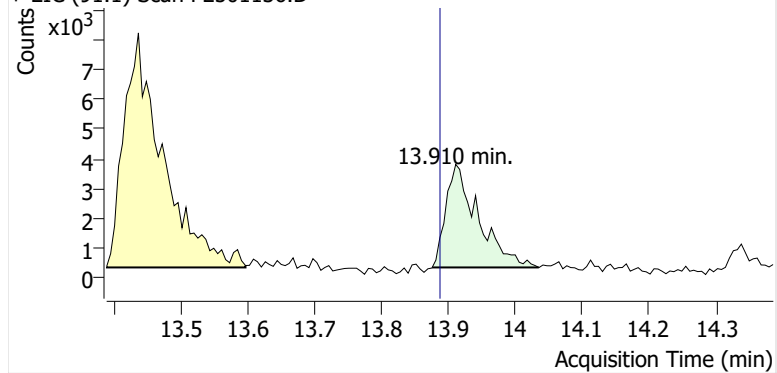


+ Scan (13.371-13.673 min, 51 scans) P2501136.D

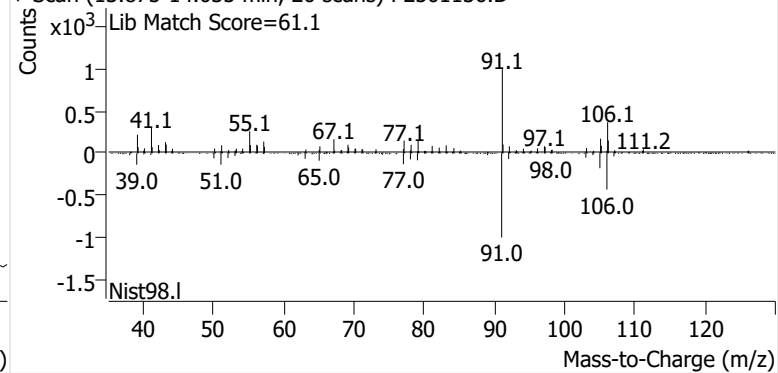


o-Xylene

+ EIC (91.1) Scan P2501136.D

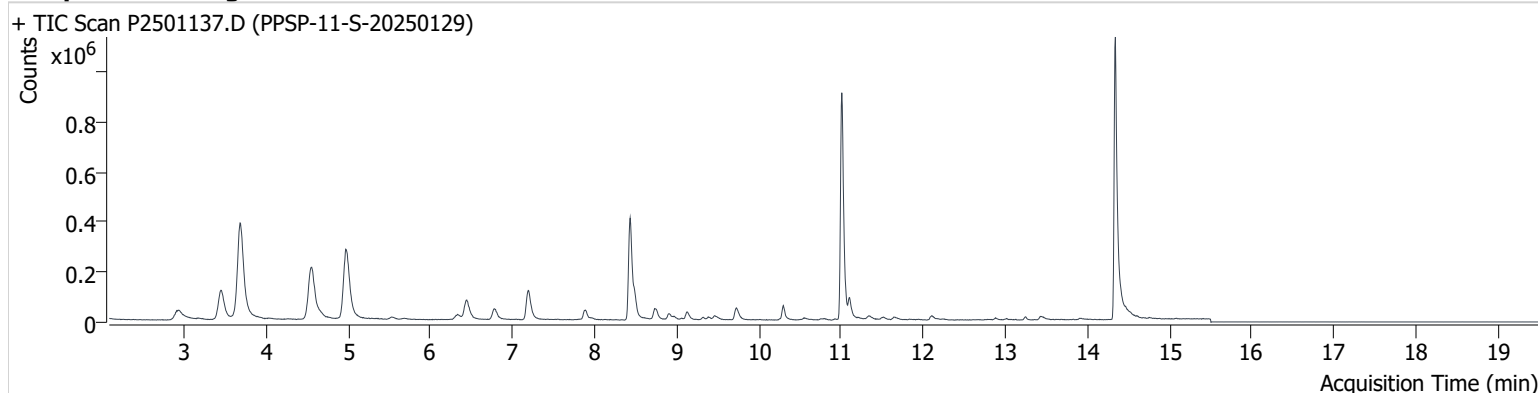


+ Scan (13.875-14.035 min, 26 scans) P2501136.D



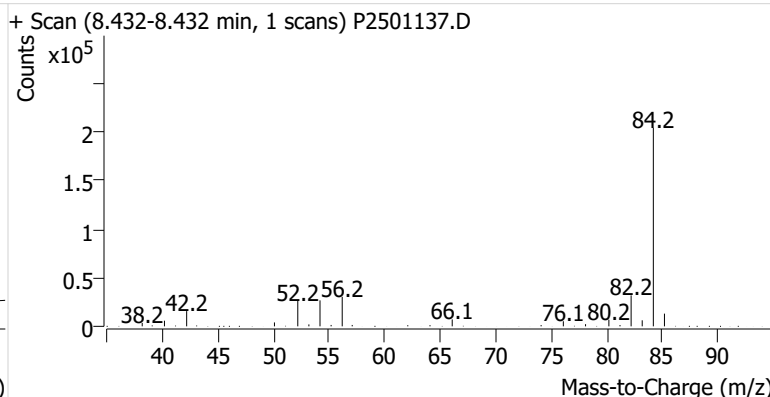
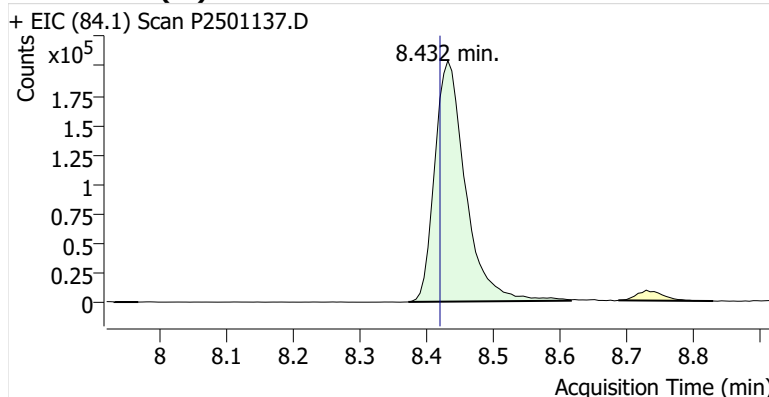
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Comment B27849
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Acq. Date-Time 2/15/2025 11:05:07 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

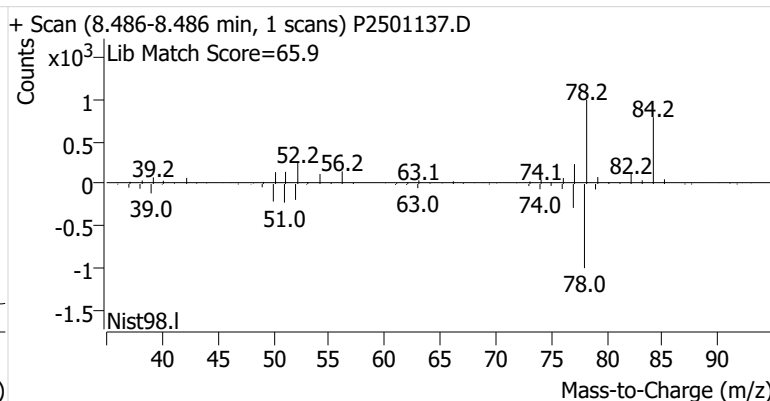
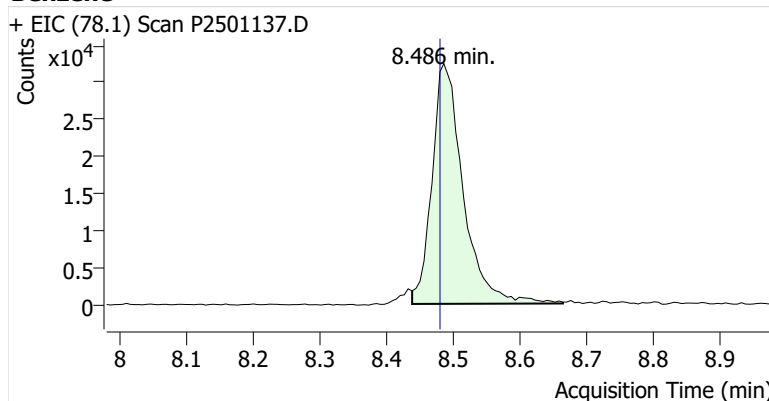


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.432	8.420	652,597	
Benzene	benzene-d6 (IS)	8.486	8.480	104,708	
Toluene-d8 (IS)		11.008	10.990	960,321	
Toluene	Toluene-d8 (IS)	11.103	11.085	78,166	
Ethylbenzene	Toluene-d8 (IS)	13.240	13.216	11,234	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	22,670	
o-Xylene	Toluene-d8 (IS)	13.905	13.887	7,728	

benzene-d6 (IS)

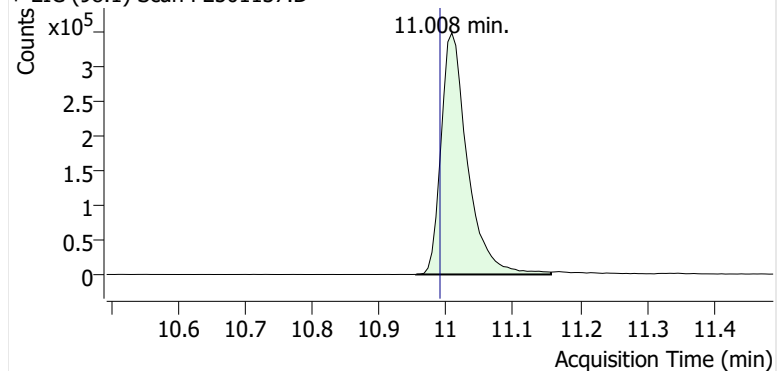


Benzene

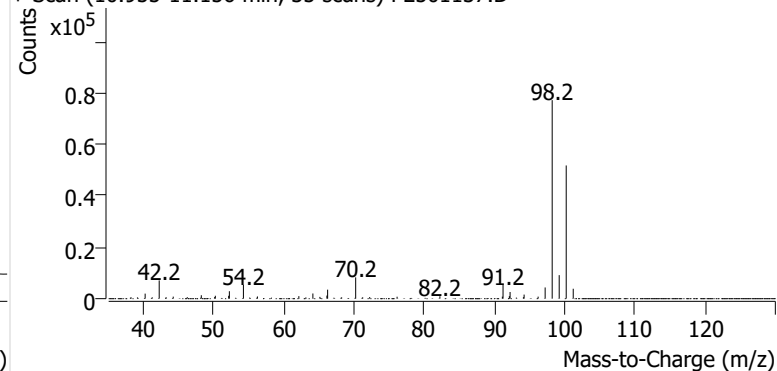


Toluene-d8 (IS)

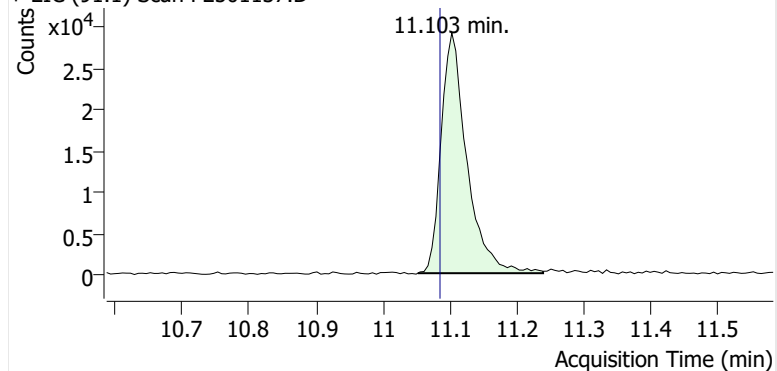
+ EIC (98.1) Scan P2501137.D



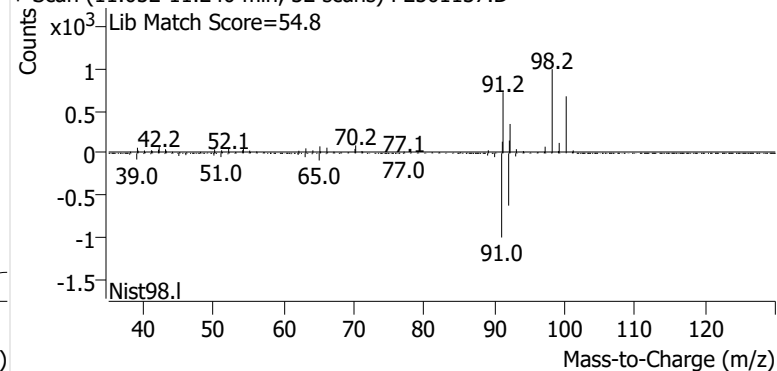
+ Scan (10.955-11.156 min, 35 scans) P2501137.D

**Toluene**

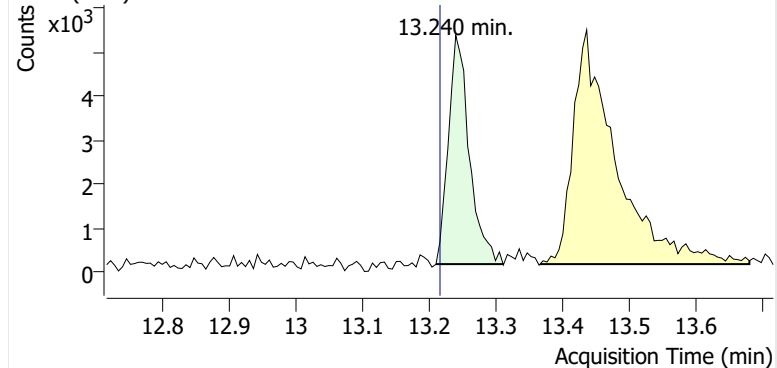
+ EIC (91.1) Scan P2501137.D



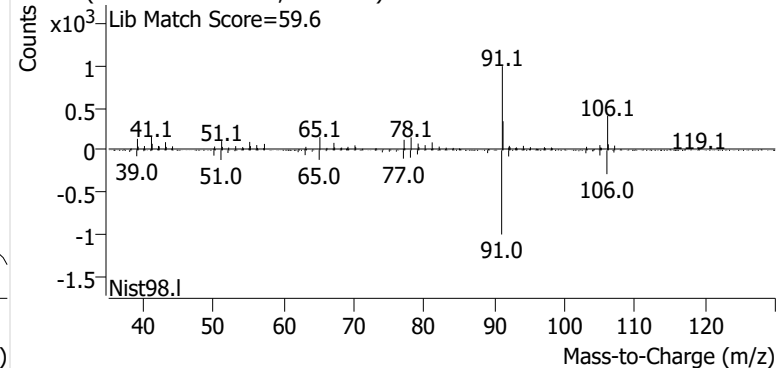
+ Scan (11.052-11.240 min, 32 scans) P2501137.D

**Ethylbenzene**

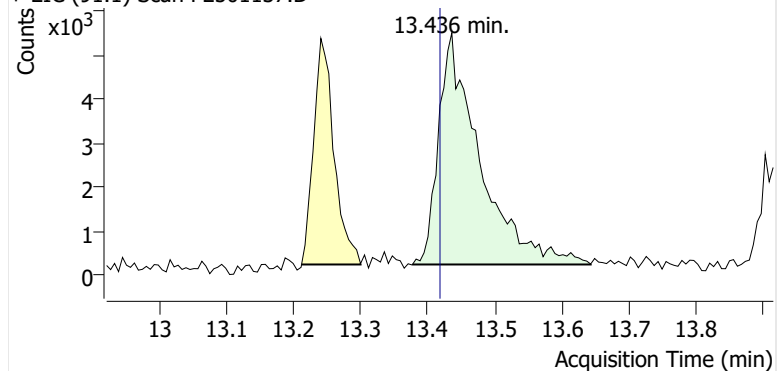
+ EIC (91.1) Scan P2501137.D



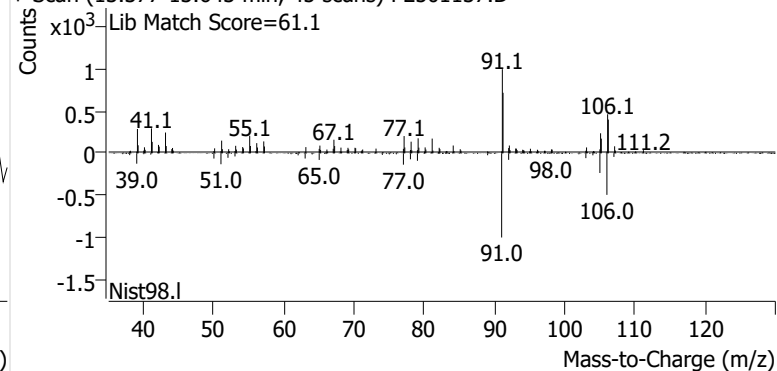
+ Scan (13.210-13.311 min, 16 scans) P2501137.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501137.D

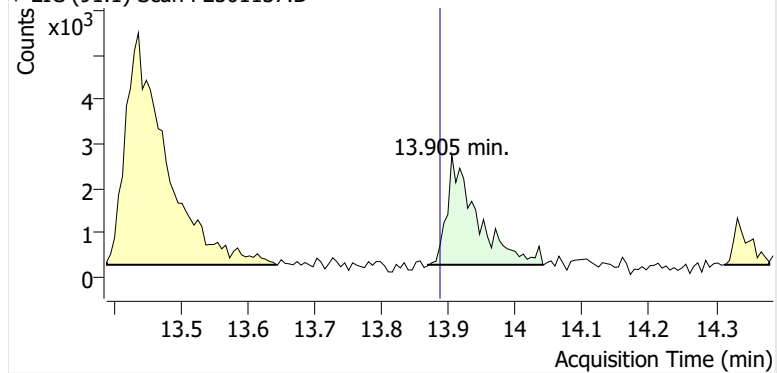


+ Scan (13.377-13.643 min, 45 scans) P2501137.D

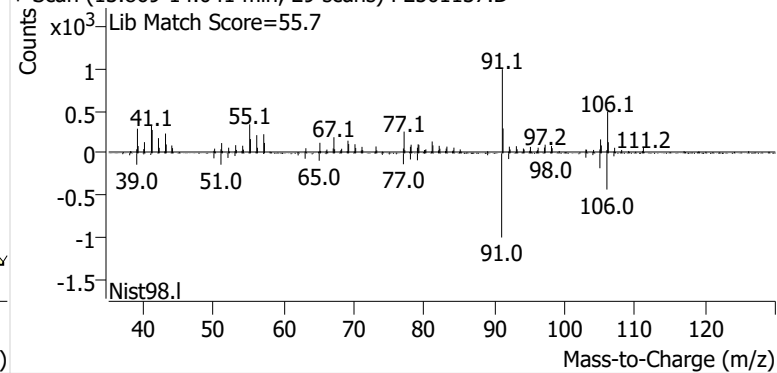


o-Xylene

+ EIC (91.1) Scan P2501137.D

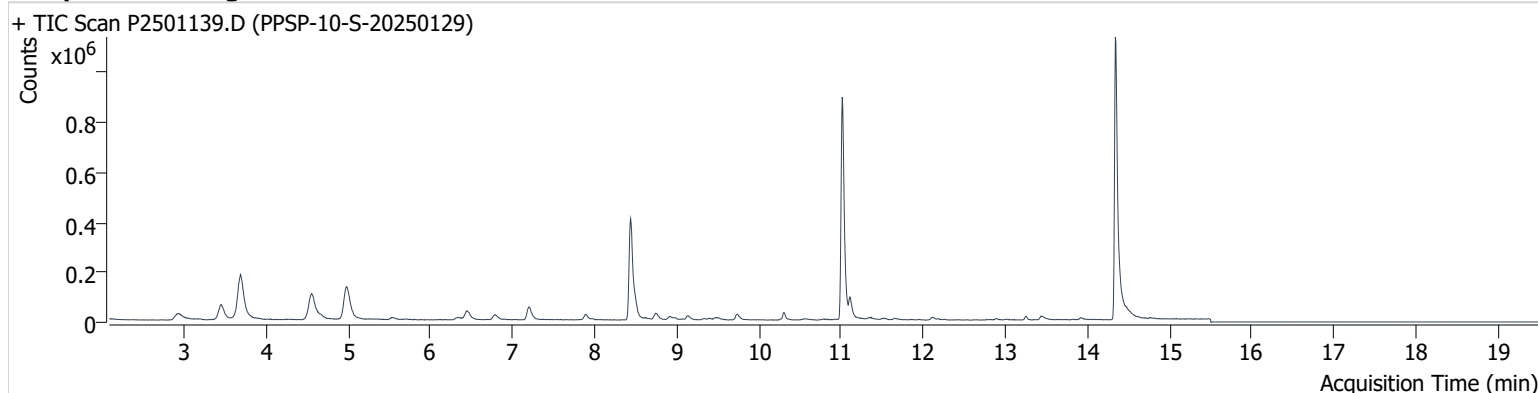


+ Scan (13.869-14.041 min, 29 scans) P2501137.D



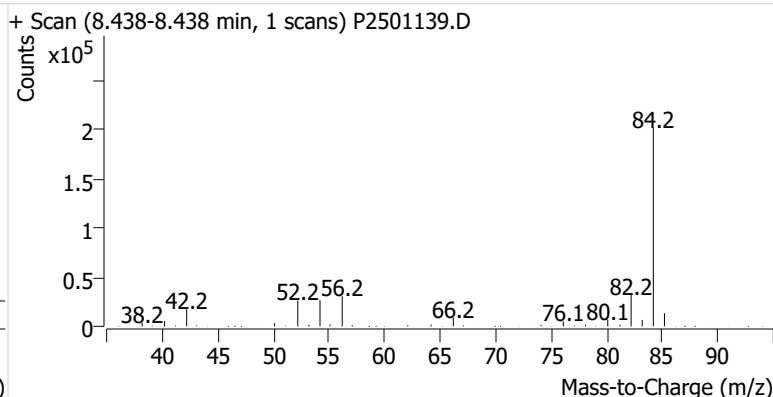
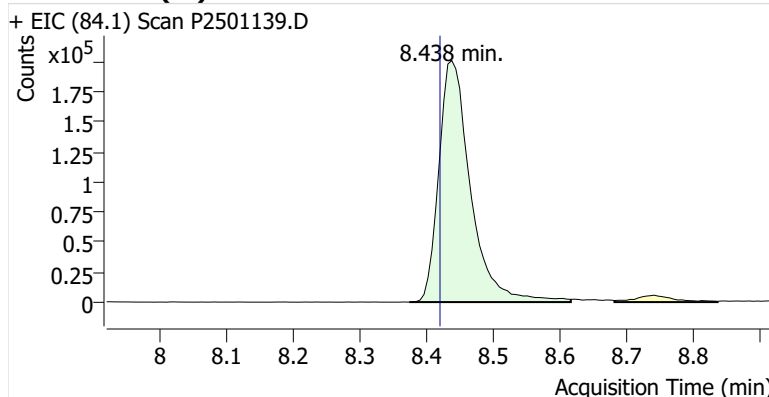
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Comment B44475
Data File P2501139.D
Acq. Date-Time 2/15/2025 12:19:43 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

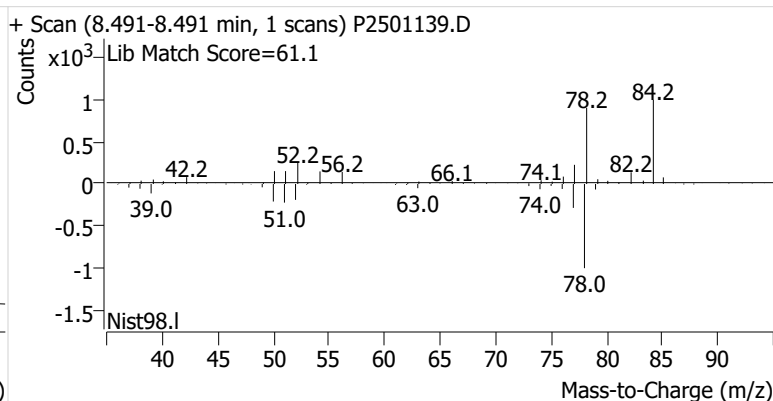
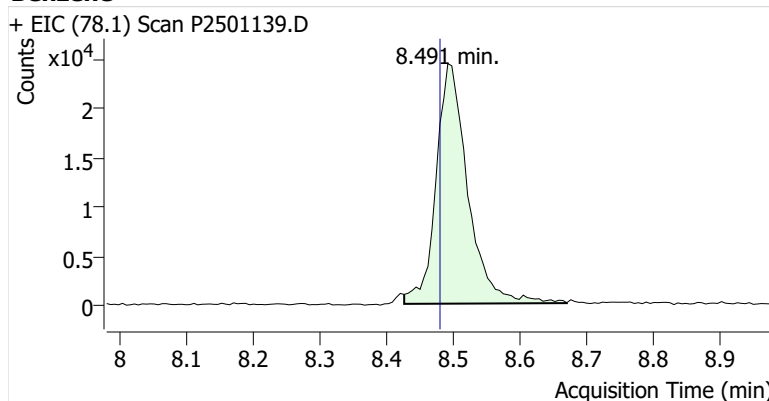


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.438	8.420	664,190	
Benzene	benzene-d6 (IS)	8.491	8.480	80,624	
Toluene-d8 (IS)		11.014	10.990	950,544	
Toluene	Toluene-d8 (IS)	11.109	11.085	80,882	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	12,448	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.418	21,445	
o-Xylene	Toluene-d8 (IS)	13.916	13.887	10,329	

benzene-d6 (IS)

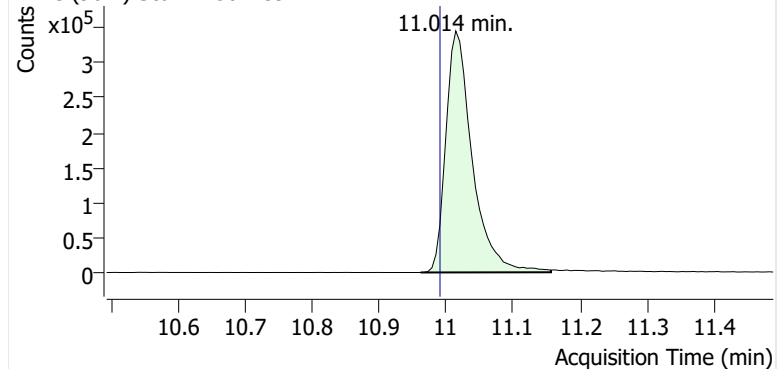


Benzene

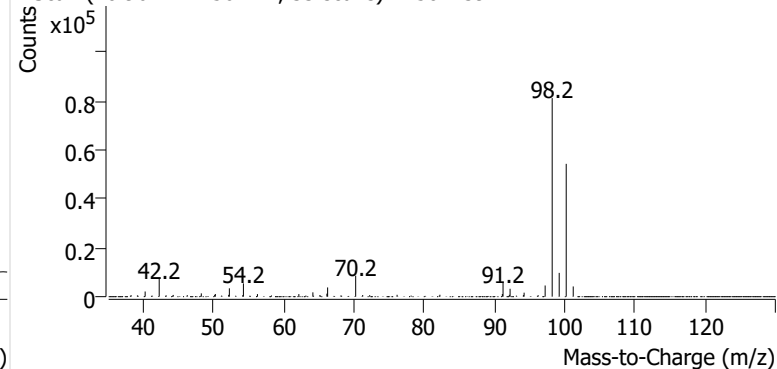


Toluene-d8 (IS)

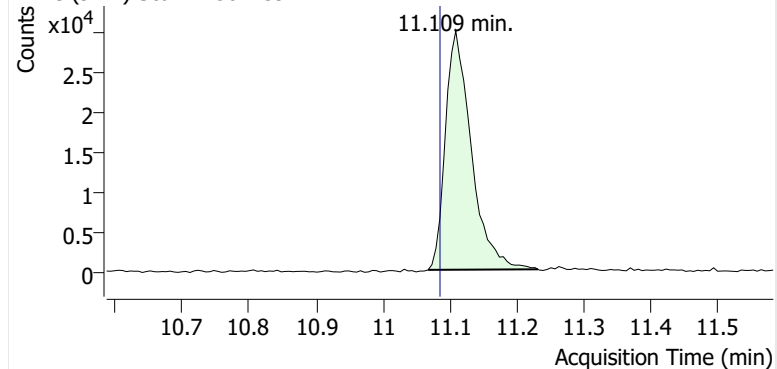
+ EIC (98.1) Scan P2501139.D



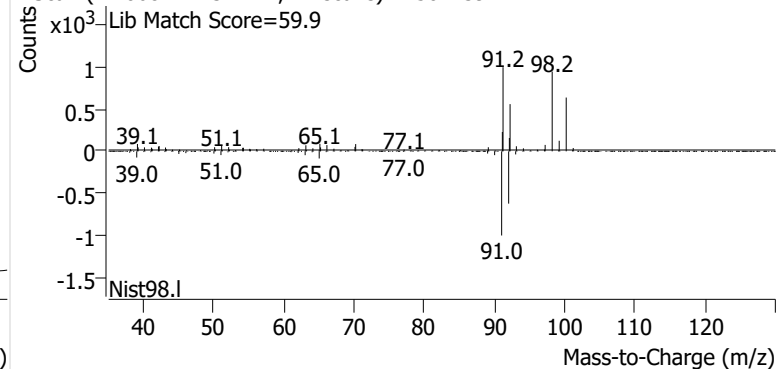
+ Scan (10.961-11.156 min, 33 scans) P2501139.D

**Toluene**

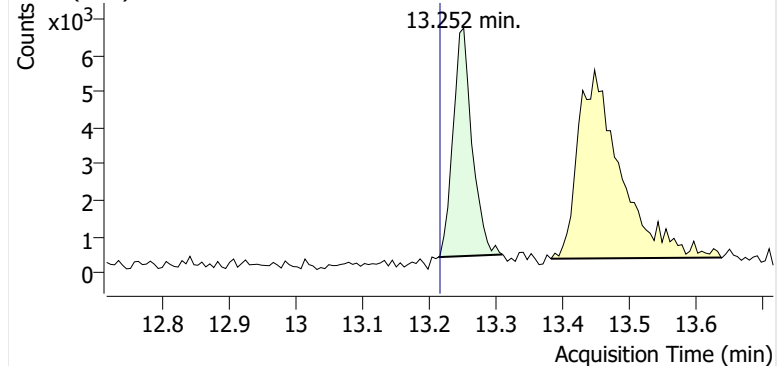
+ EIC (91.1) Scan P2501139.D



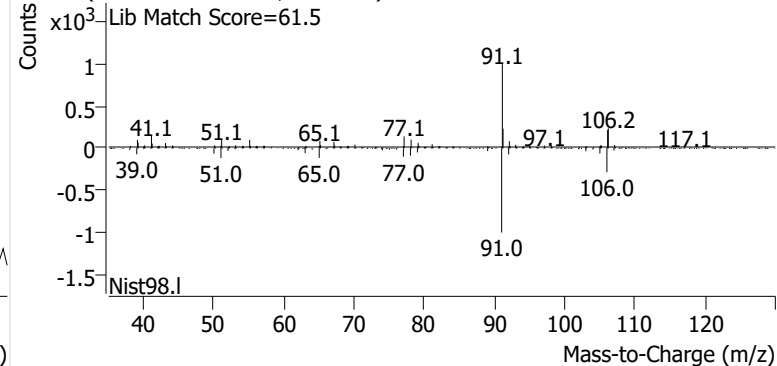
+ Scan (11.068-11.232 min, 27 scans) P2501139.D

**Ethylbenzene**

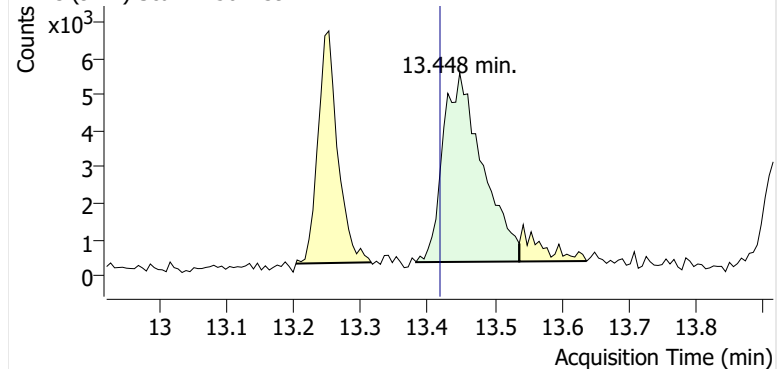
+ EIC (91.1) Scan P2501139.D



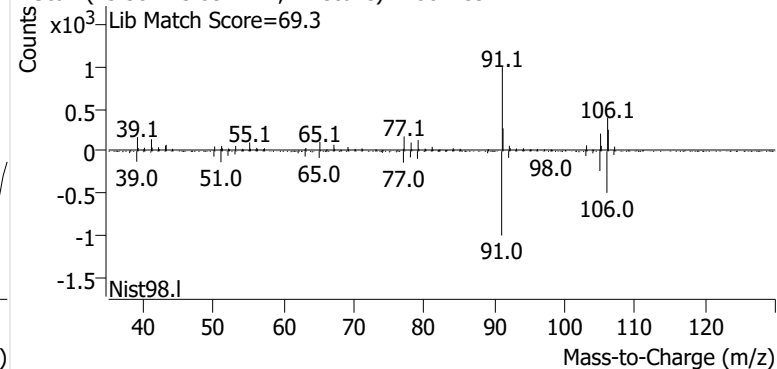
+ Scan (13.214-13.310 min, 16 scans) P2501139.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501139.D

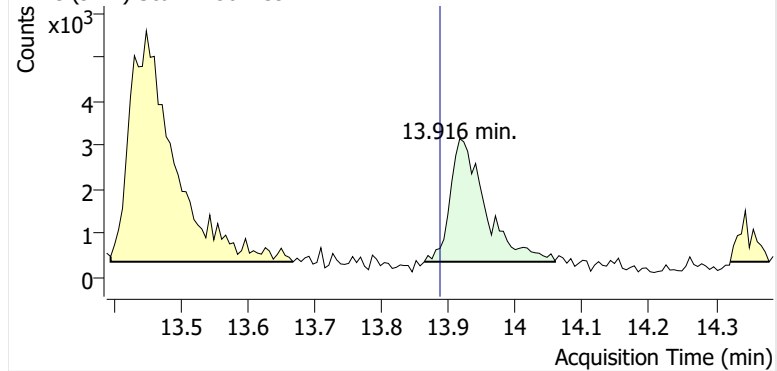


+ Scan (13.382-13.537 min, 27 scans) P2501139.D

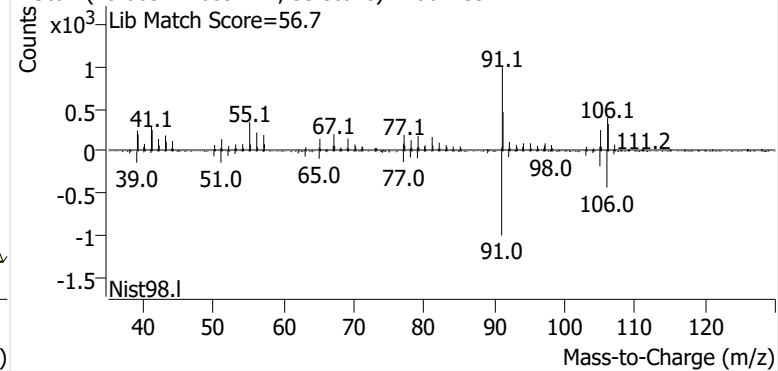


o-Xylene

+ EIC (91.1) Scan P2501139.D

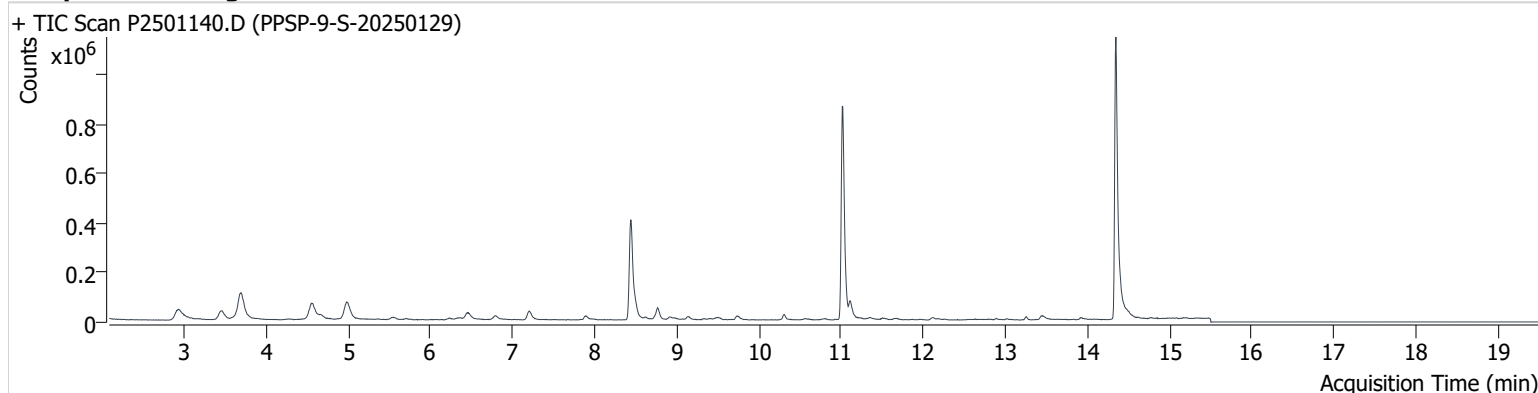


+ Scan (13.863-14.059 min, 33 scans) P2501139.D



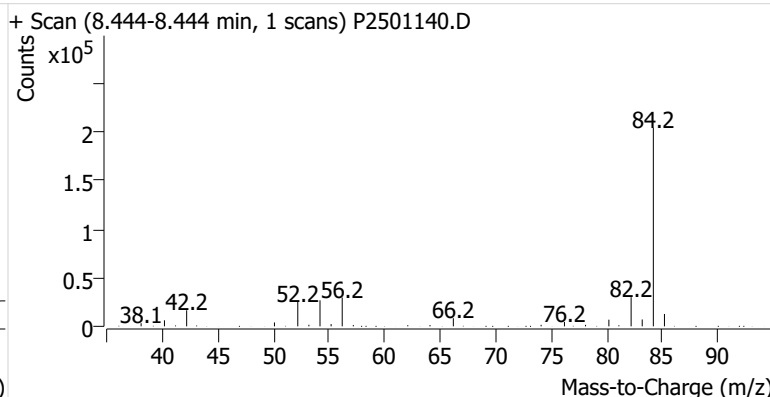
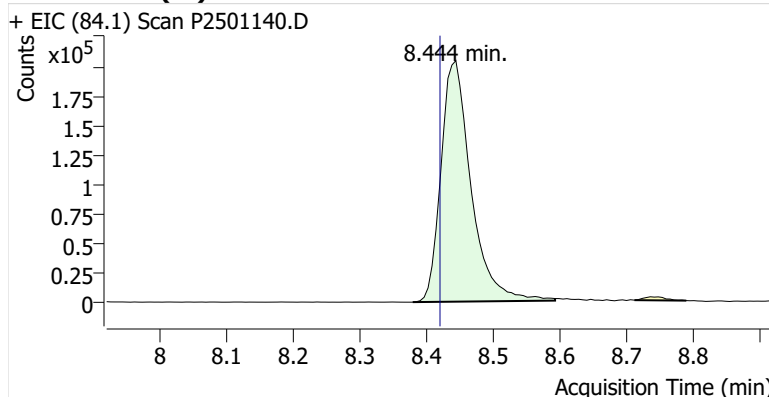
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Comment C56822
Data File P2501140.D
Acq. Date-Time 2/15/2025 12:57:01 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

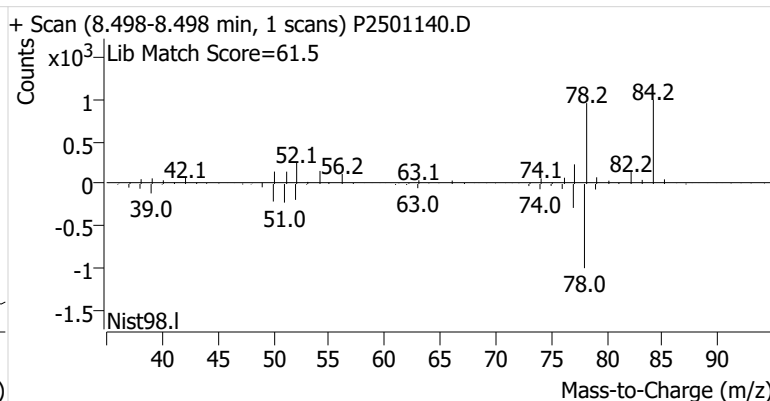
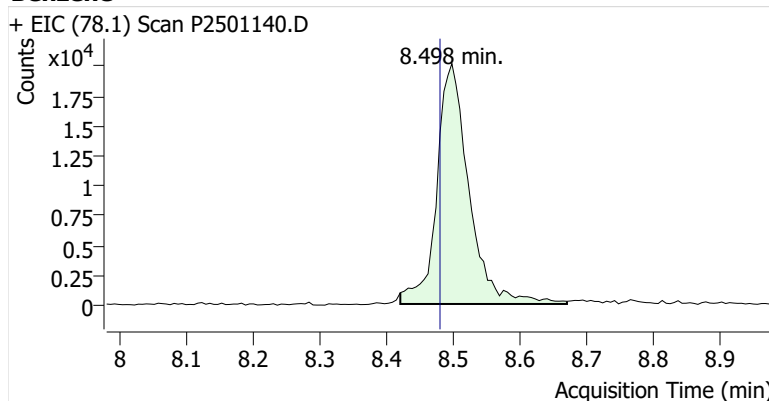


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	639,503	
Benzene	benzene-d6 (IS)	8.498	8.480	67,674	
Toluene-d8 (IS)		11.020	10.990	930,921	
Toluene	Toluene-d8 (IS)	11.109	11.085	65,871	
Ethylbenzene	Toluene-d8 (IS)	13.252	13.216	12,976	
m-/p-Xylenes	Toluene-d8 (IS)	13.436	13.418	27,944	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	10,680	

benzene-d6 (IS)

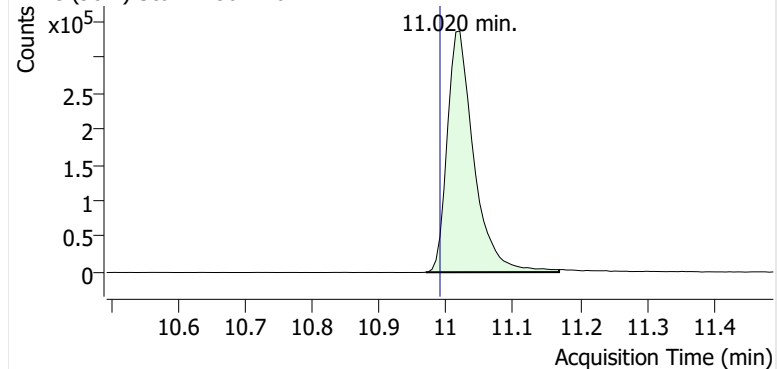


Benzene

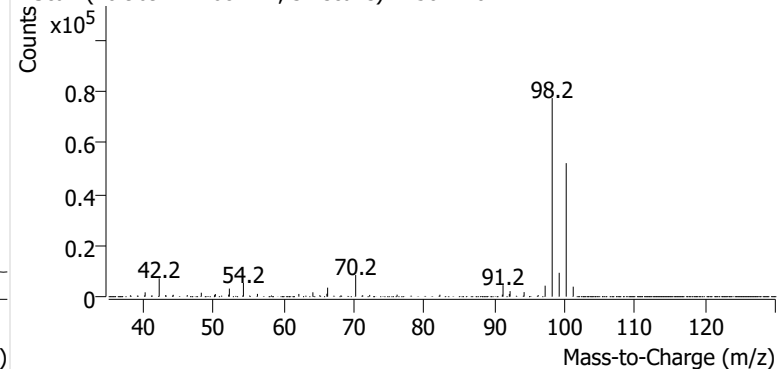


Toluene-d8 (IS)

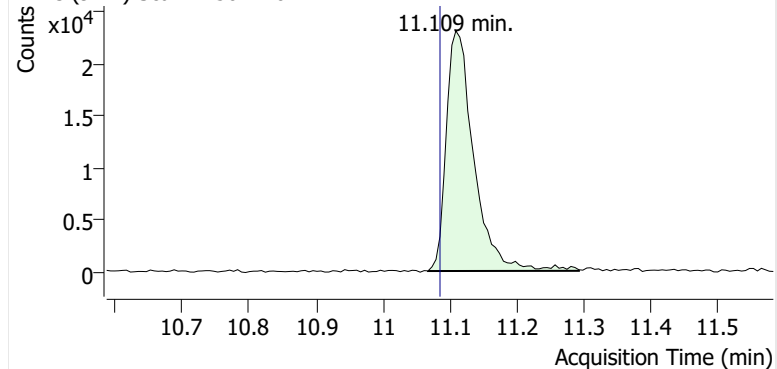
+ EIC (98.1) Scan P2501140.D



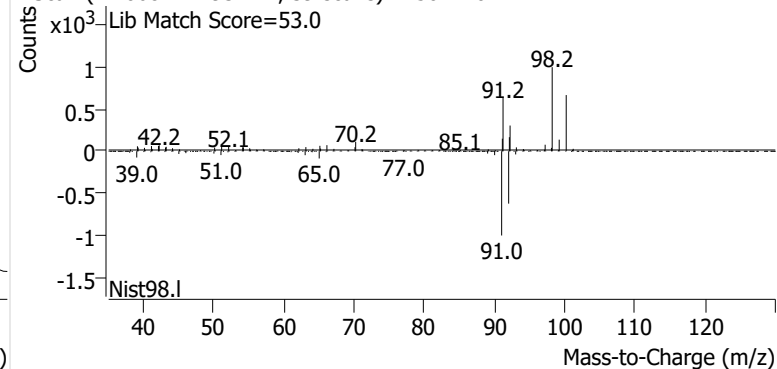
+ Scan (10.969-11.168 min, 34 scans) P2501140.D

**Toluene**

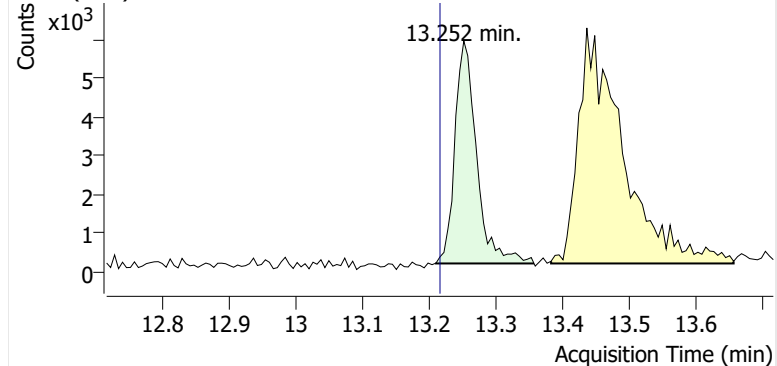
+ EIC (91.1) Scan P2501140.D



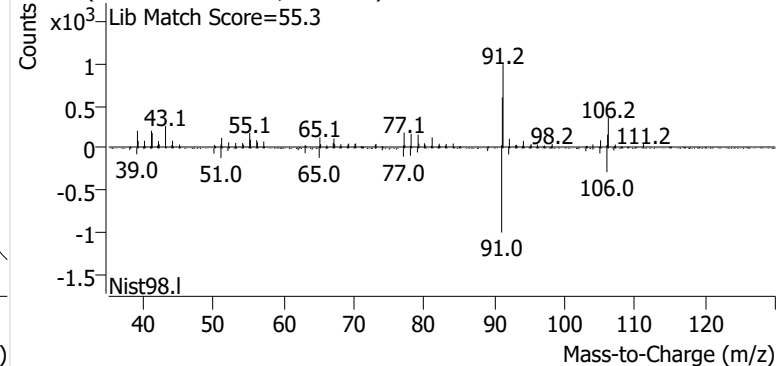
+ Scan (11.068-11.293 min, 39 scans) P2501140.D

**Ethylbenzene**

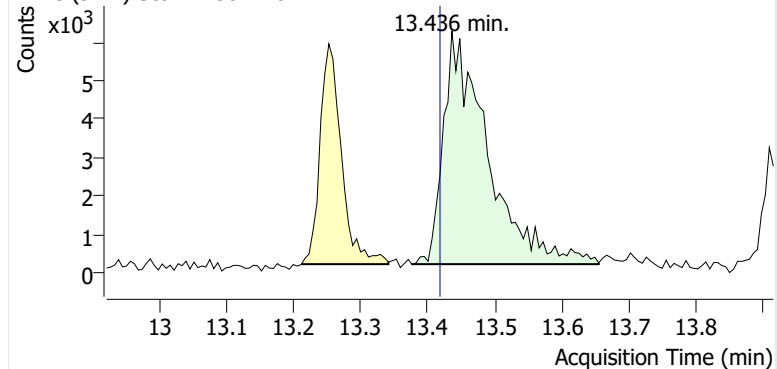
+ EIC (91.1) Scan P2501140.D



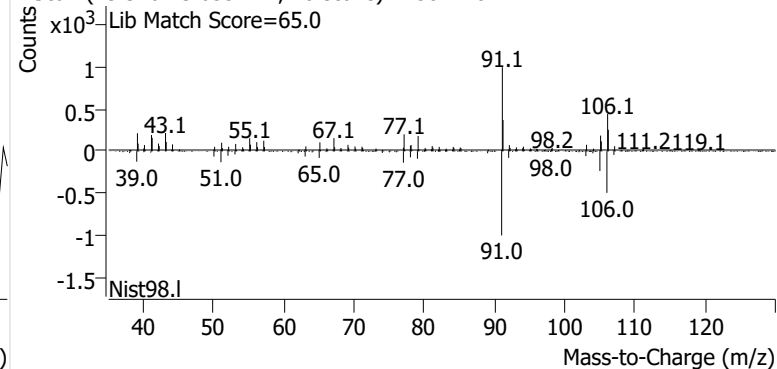
+ Scan (13.209-13.357 min, 25 scans) P2501140.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501140.D

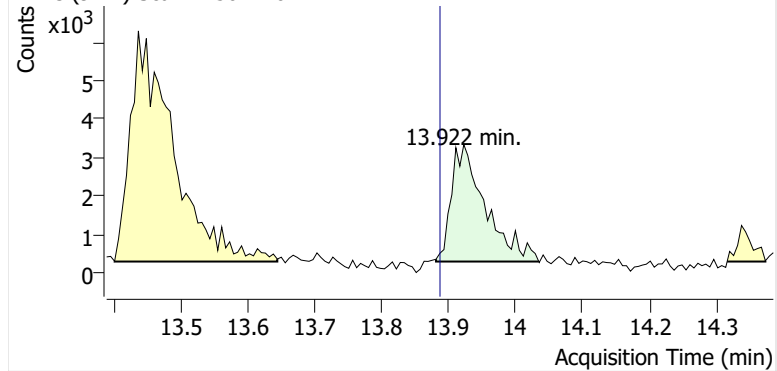


+ Scan (13.376-13.655 min, 48 scans) P2501140.D

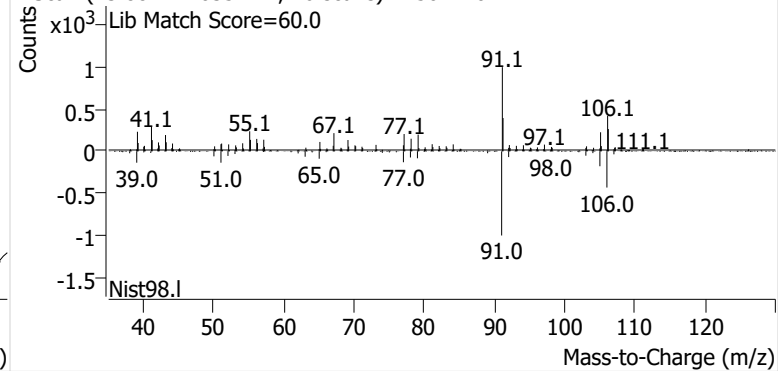


o-Xylene

+ EIC (91.1) Scan P2501140.D

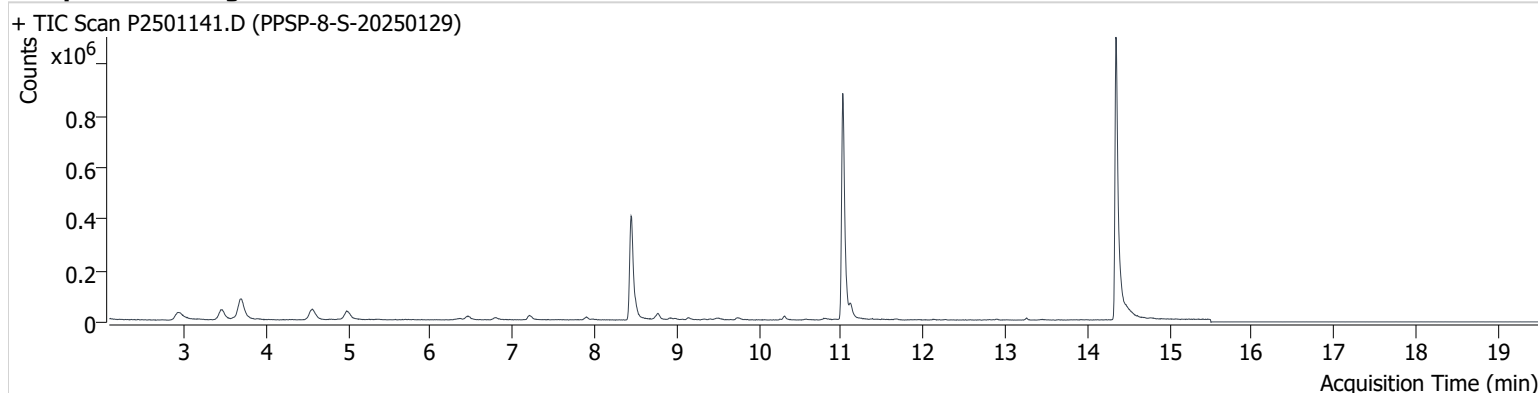


+ Scan (13.881-14.035 min, 26 scans) P2501140.D



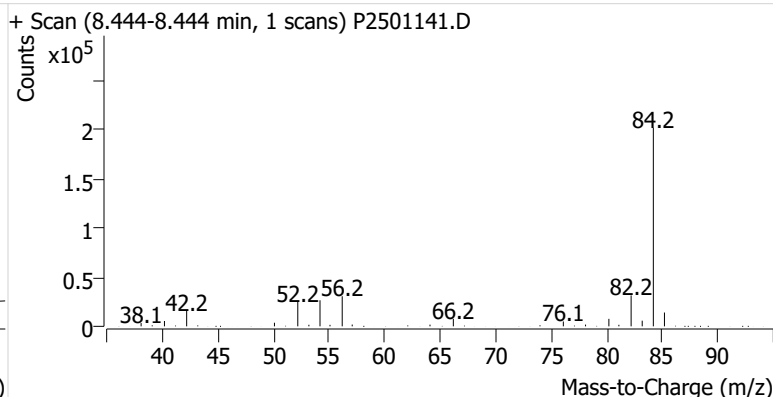
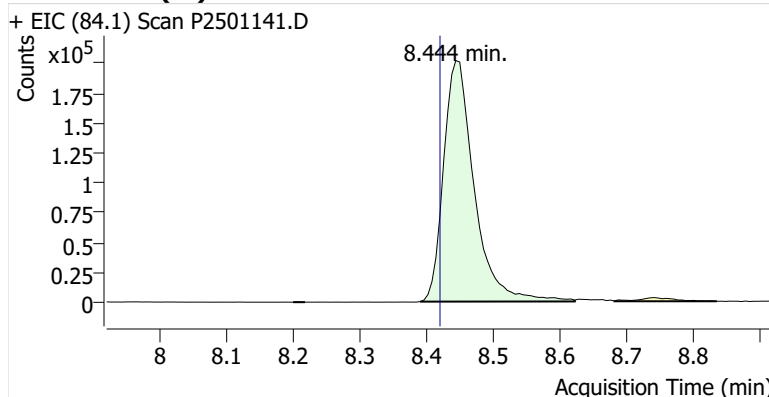
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Comment B43583
Data File P2501141.D
Acq. Date-Time 2/15/2025 1:34:21 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

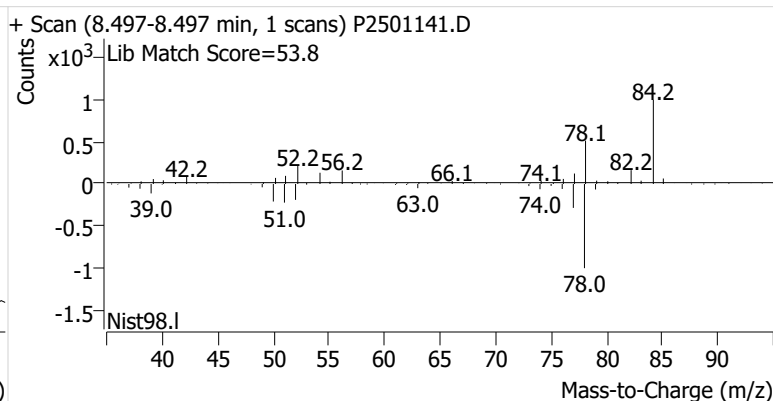
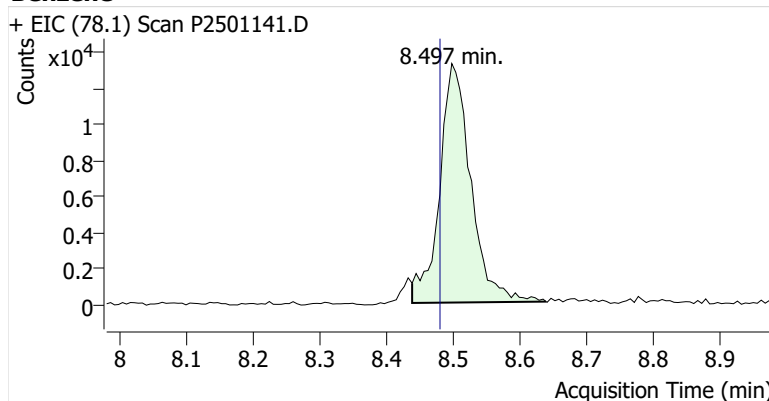


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.444	8.420	644,341	
Benzene	benzene-d6 (IS)	8.497	8.480	43,213	
Toluene-d8 (IS)		11.020	10.990	931,166	
Toluene	Toluene-d8 (IS)	11.121	11.085	49,350	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	5,881	
m-/p-Xylenes	Toluene-d8 (IS)	13.442	13.418	3,781	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	859	m

benzene-d6 (IS)

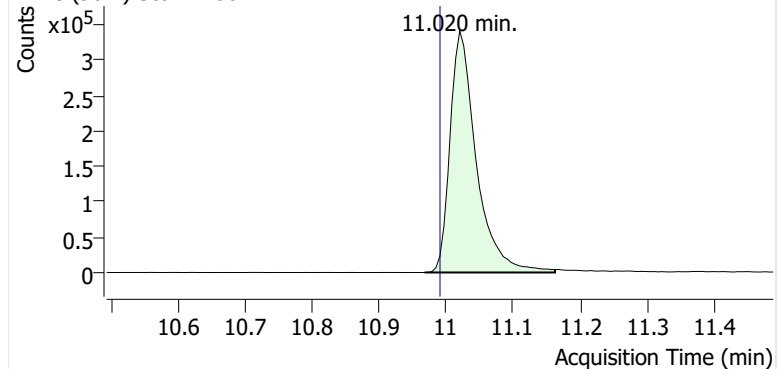


Benzene

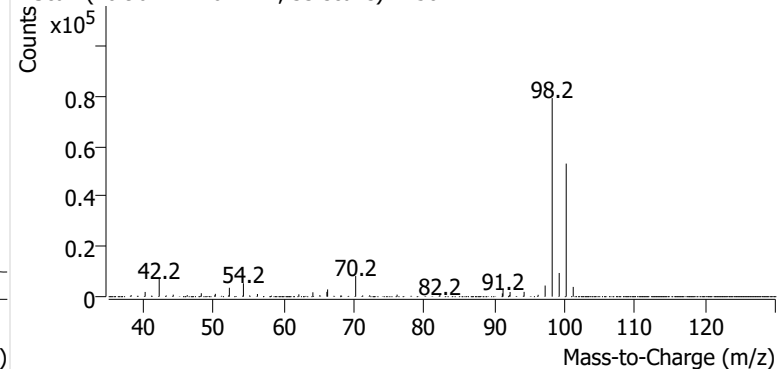


Toluene-d8 (IS)

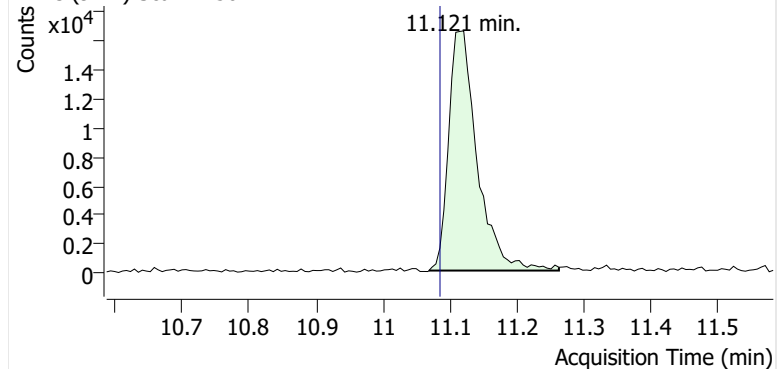
+ EIC (98.1) Scan P2501141.D



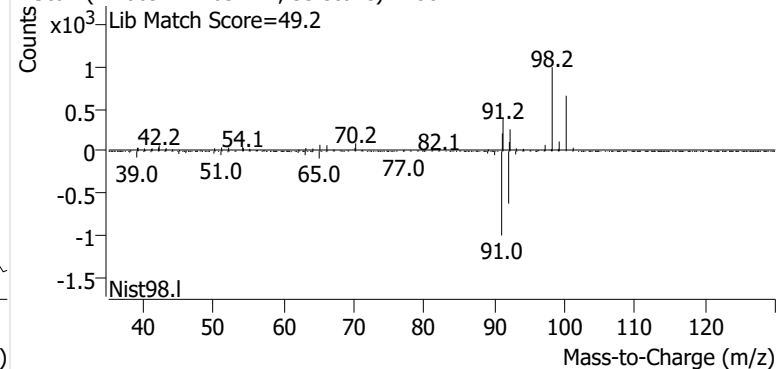
+ Scan (10.967-11.162 min, 33 scans) P2501141.D

**Toluene**

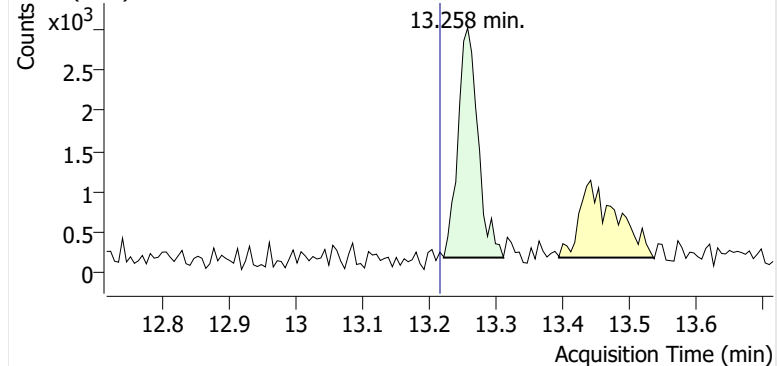
+ EIC (91.1) Scan P2501141.D



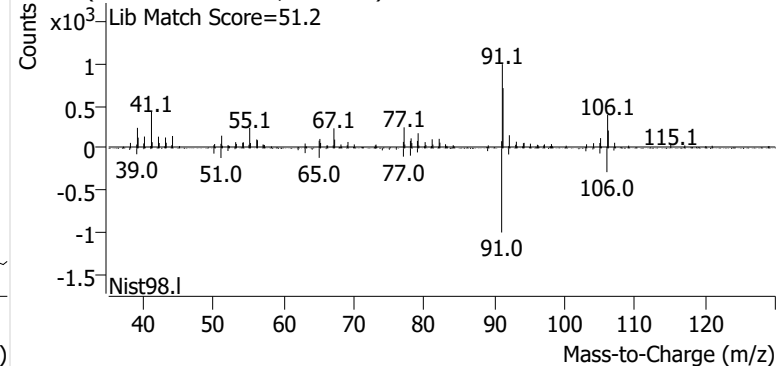
+ Scan (11.069-11.263 min, 33 scans) P2501141.D

**Ethylbenzene**

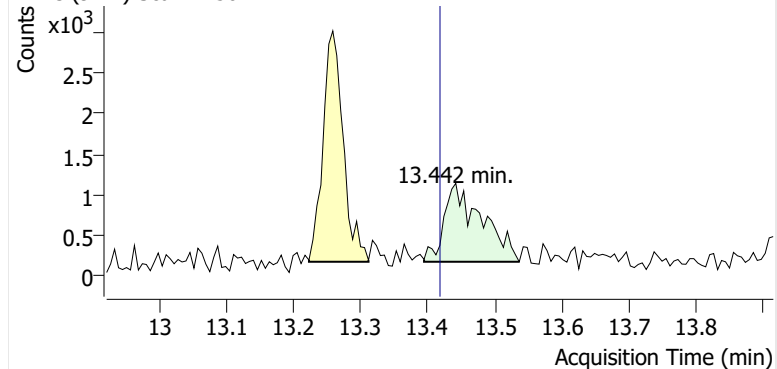
+ EIC (91.1) Scan P2501141.D



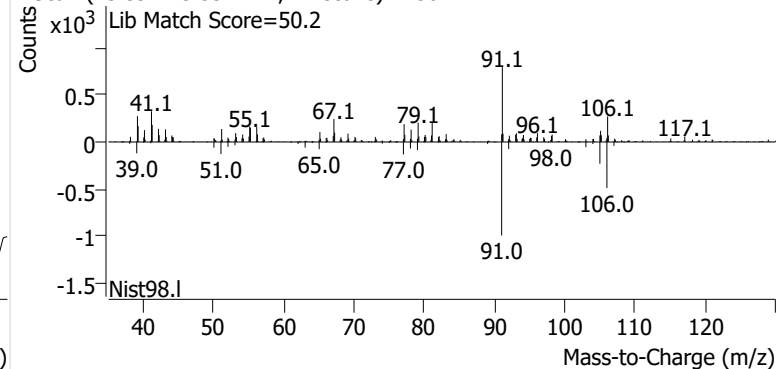
+ Scan (13.222-13.311 min, 16 scans) P2501141.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501141.D

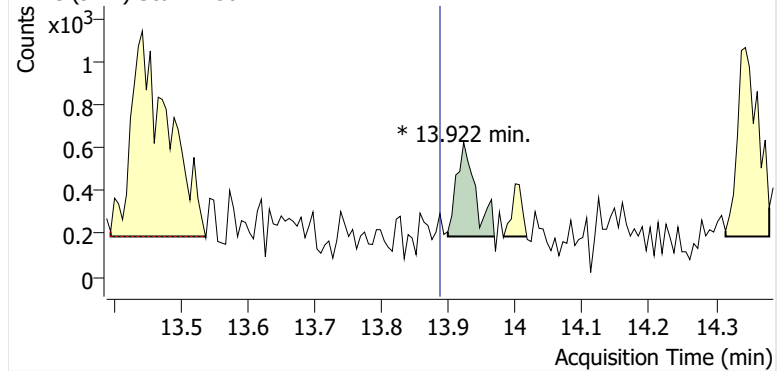


+ Scan (13.394-13.537 min, 24 scans) P2501141.D

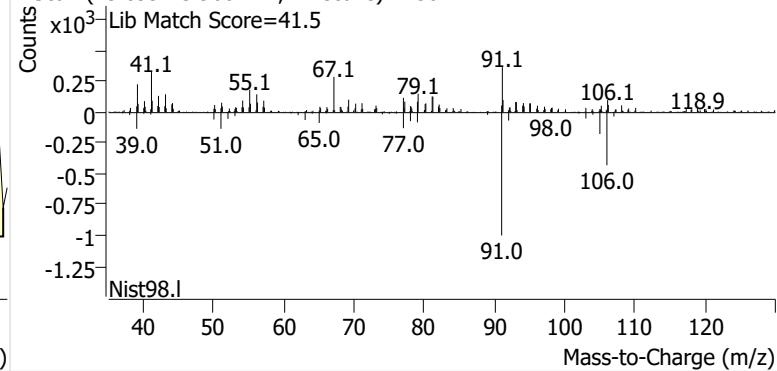


o-Xylene

+ EIC (91.1) Scan P2501141.D

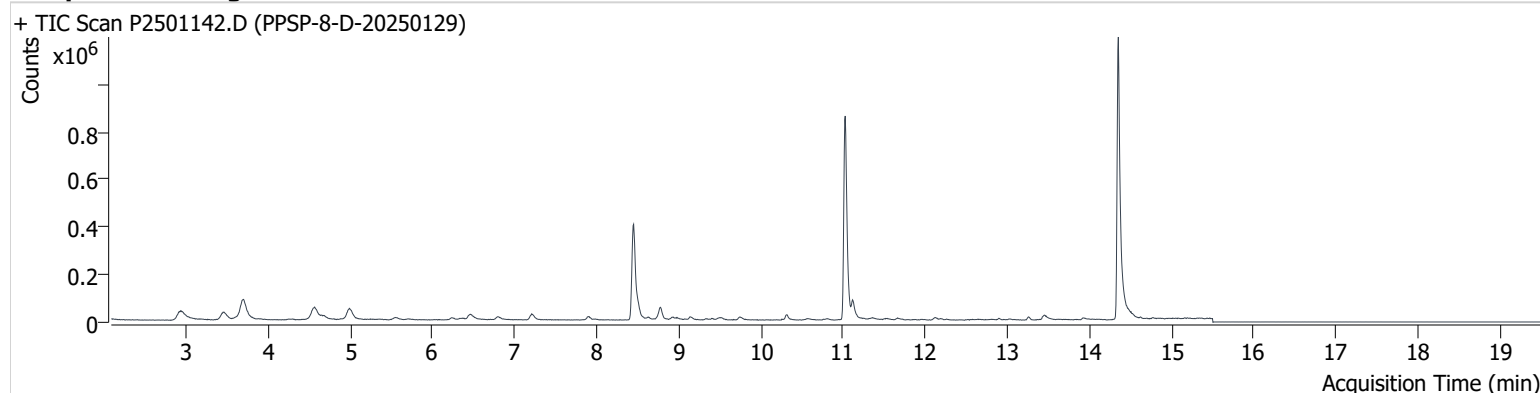


+ Scan (13.899-13.968 min, 12 scans) P2501141.D



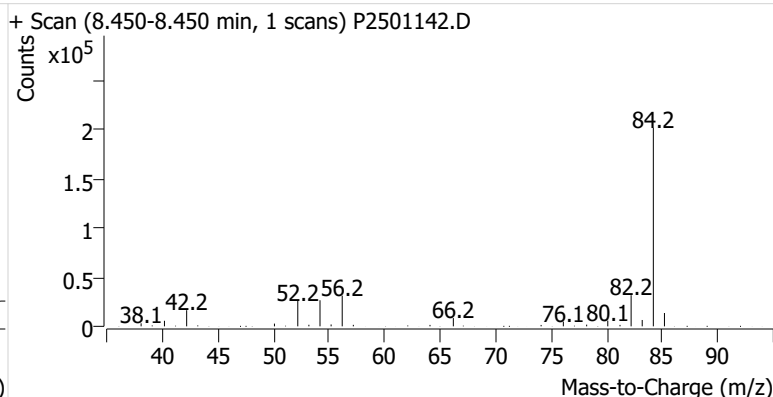
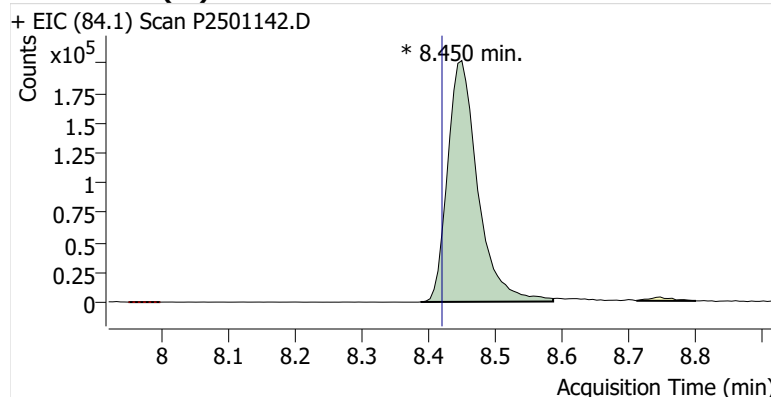
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Comment C55483
Data File P2501142.D
Acq. Date-Time 2/15/2025 2:11:38 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

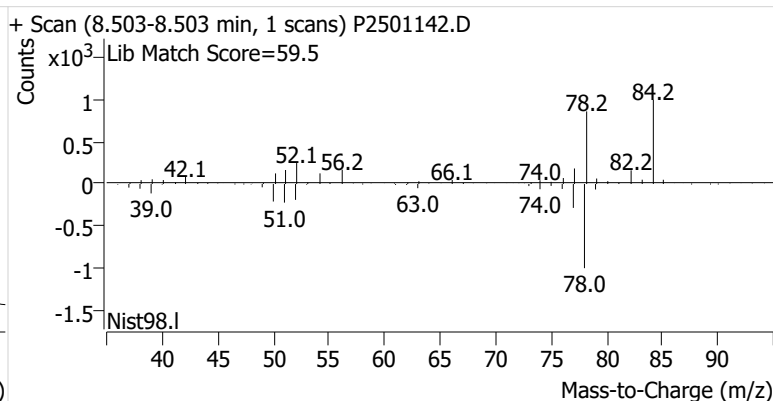
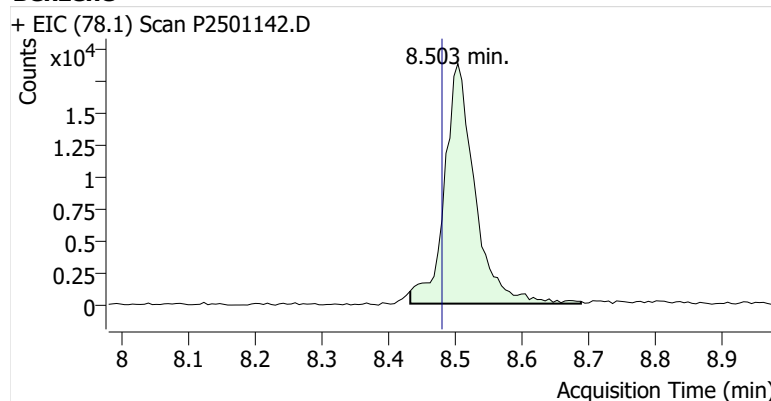


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	634,476	m
Benzene	benzene-d6 (IS)	8.503	8.480	59,715	
Toluene-d8 (IS)		11.020	10.990	924,440	
Toluene	Toluene-d8 (IS)	11.115	11.085	71,996	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	13,643	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.418	32,366	
o-Xylene	Toluene-d8 (IS)	13.917	13.887	11,499	m

benzene-d6 (IS)

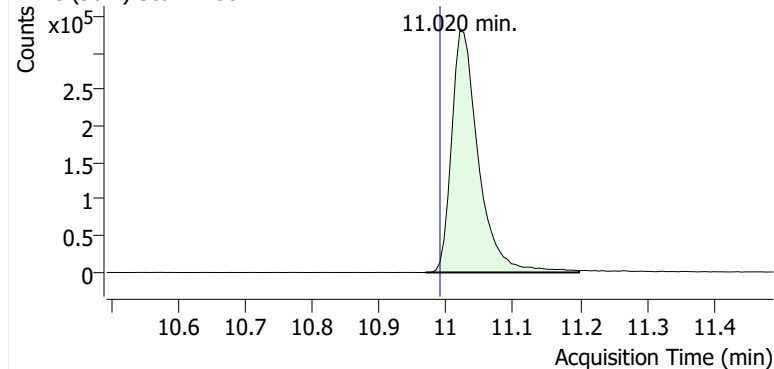


Benzene

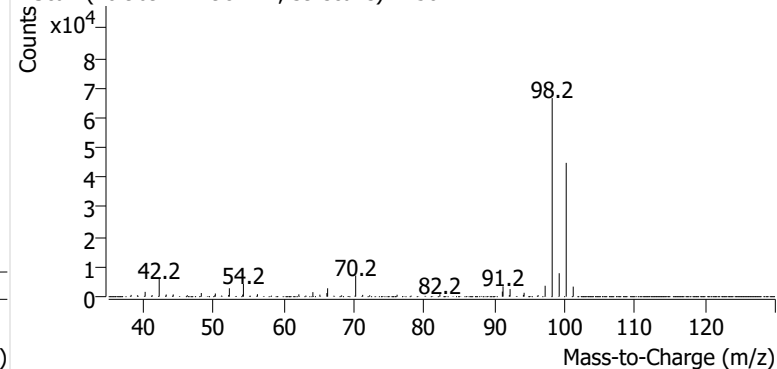


Toluene-d8 (IS)

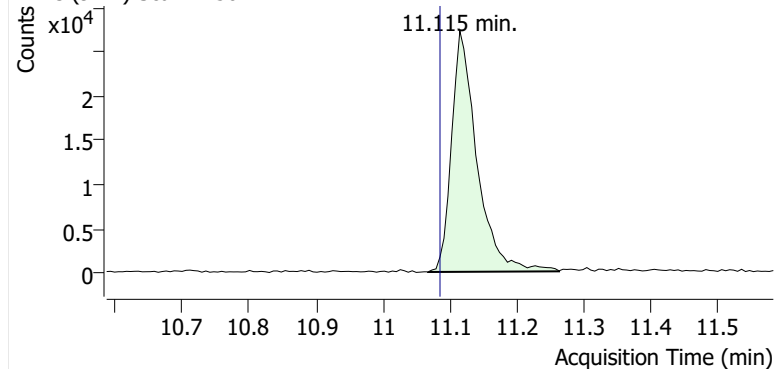
+ EIC (98.1) Scan P2501142.D



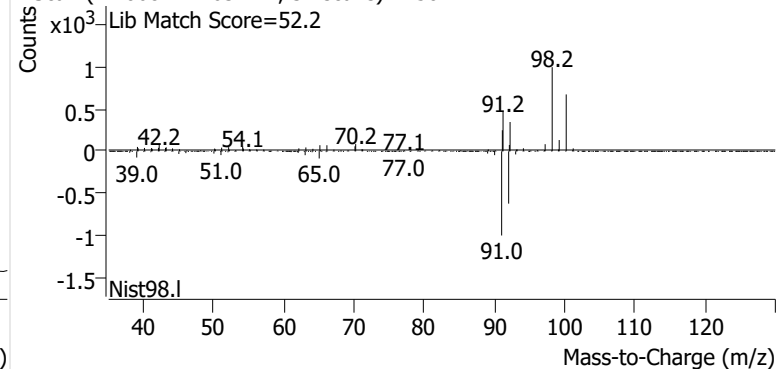
+ Scan (10.969-11.198 min, 39 scans) P2501142.D

**Toluene**

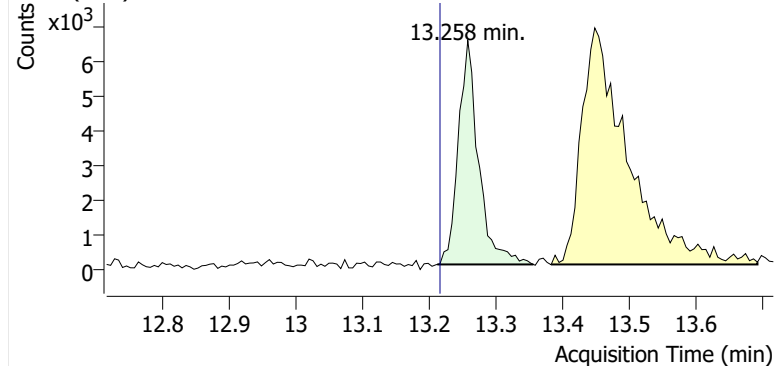
+ EIC (91.1) Scan P2501142.D



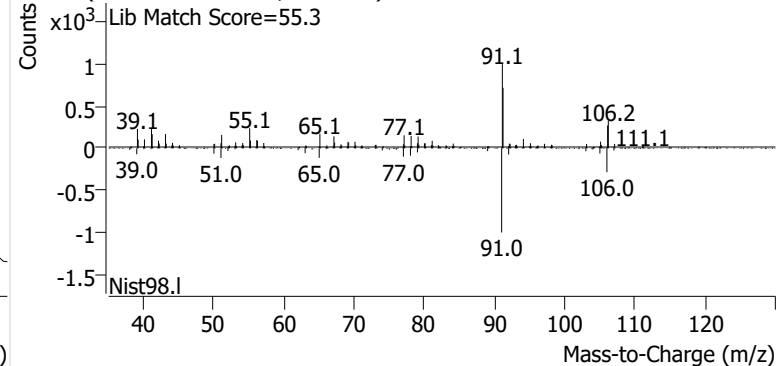
+ Scan (11.068-11.263 min, 34 scans) P2501142.D

**Ethylbenzene**

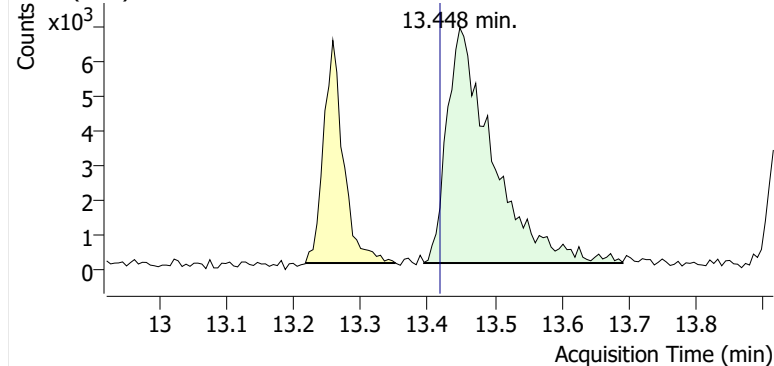
+ EIC (91.1) Scan P2501142.D



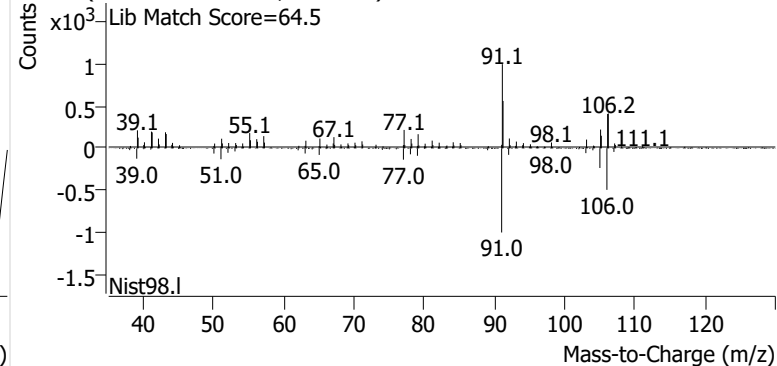
+ Scan (13.212-13.356 min, 24 scans) P2501142.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501142.D

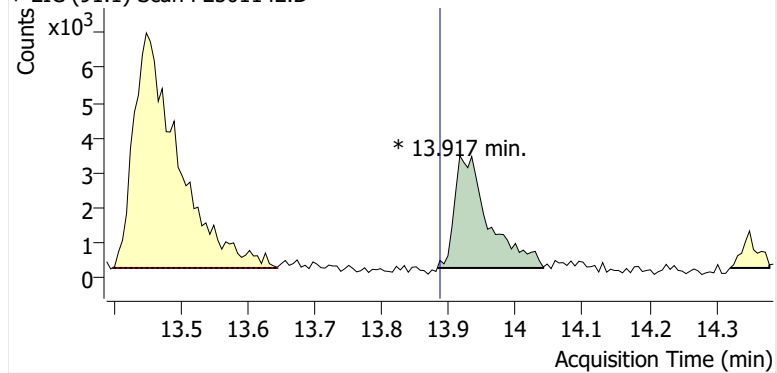


+ Scan (13.394-13.691 min, 51 scans) P2501142.D

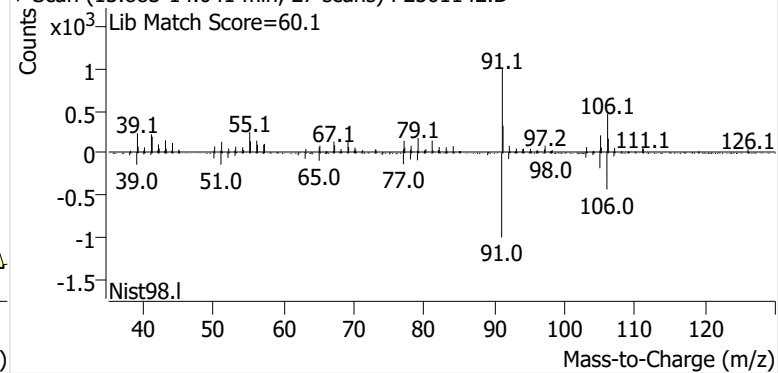


o-Xylene

+ EIC (91.1) Scan P2501142.D

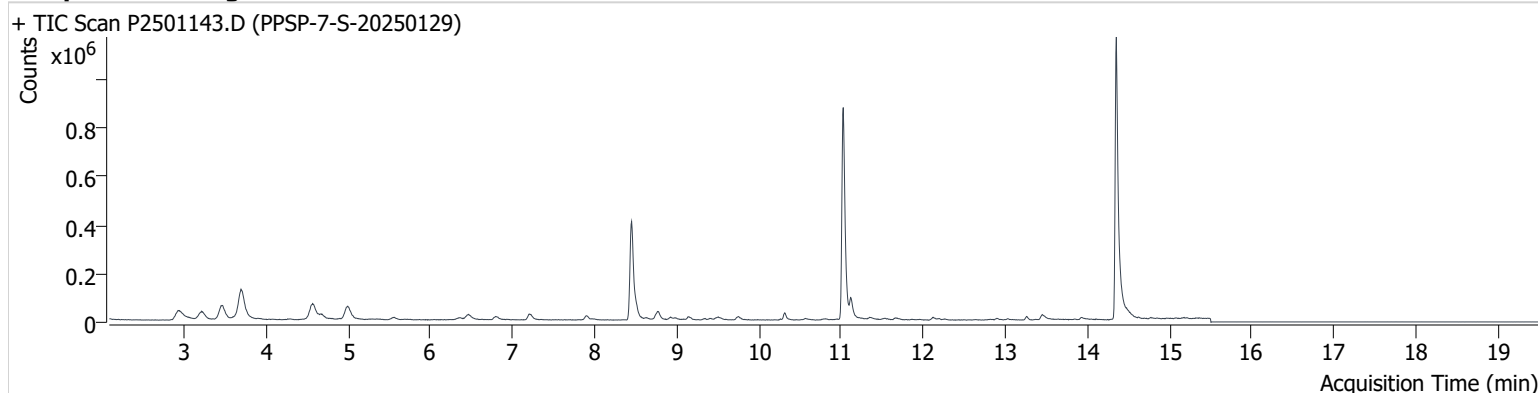


+ Scan (13.883-14.041 min, 27 scans) P2501142.D



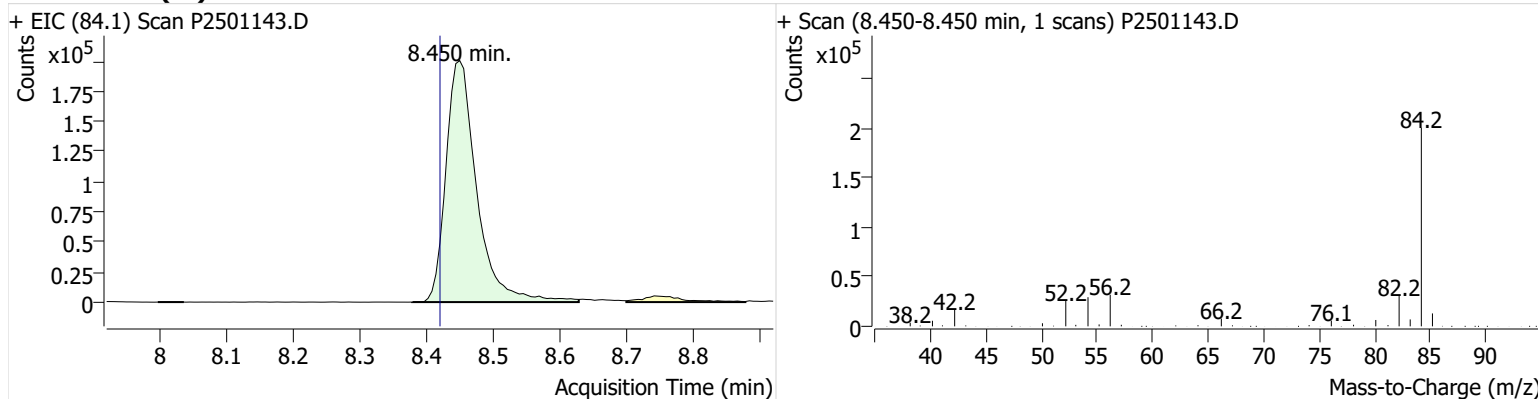
Name PPSP-7-S-20250129
Comment C34258
Data File P2501143.D
Acq. Date-Time 2/15/2025 2:48:57 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

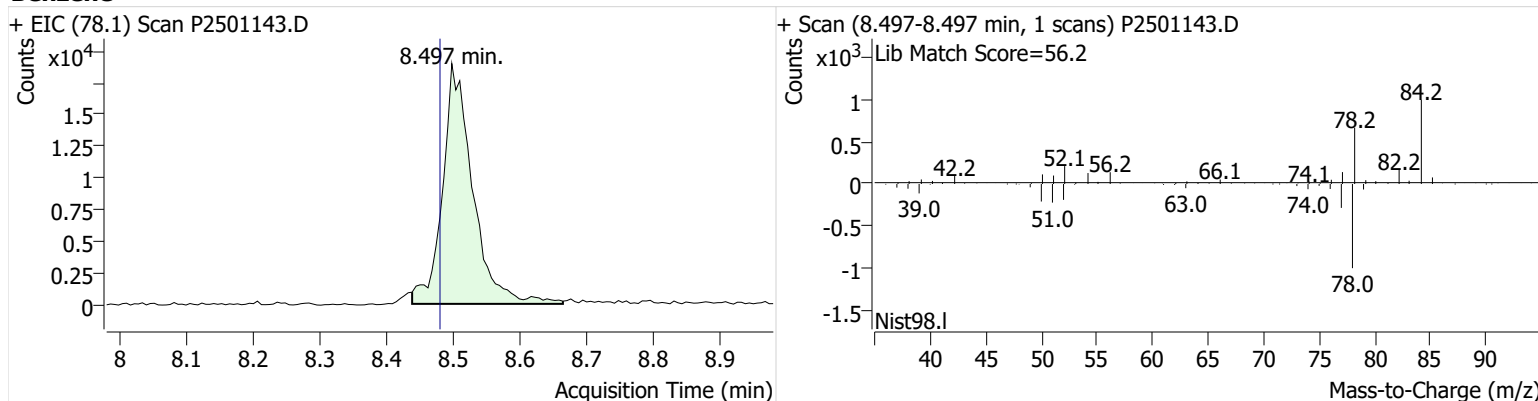


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.450	8.420	641,567	
Benzene	benzene-d6 (IS)	8.497	8.480	59,418	
Toluene-d8 (IS)		11.026	10.990	915,124	
Toluene	Toluene-d8 (IS)	11.115	11.085	79,215	
Ethylbenzene	Toluene-d8 (IS)	13.258	13.216	12,670	
m-/p-Xylenes	Toluene-d8 (IS)	13.448	13.418	34,728	
o-Xylene	Toluene-d8 (IS)	13.922	13.887	12,520	

benzene-d6 (IS)

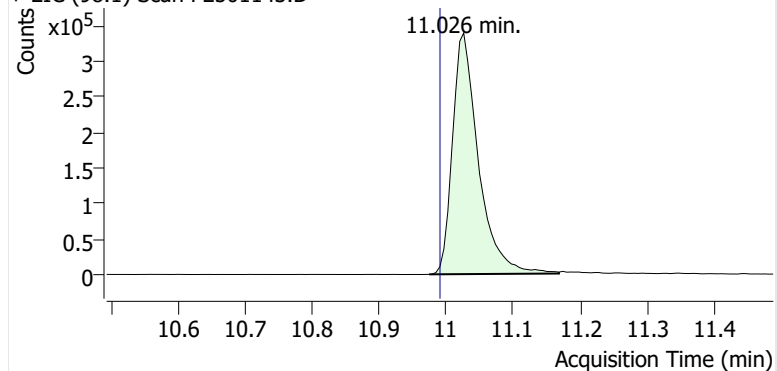


Benzene

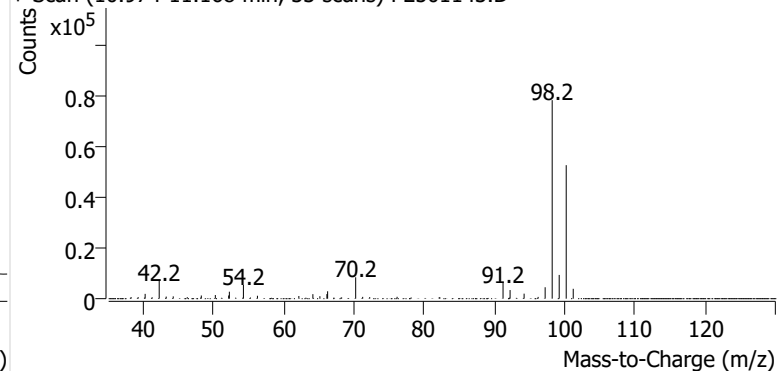


Toluene-d8 (IS)

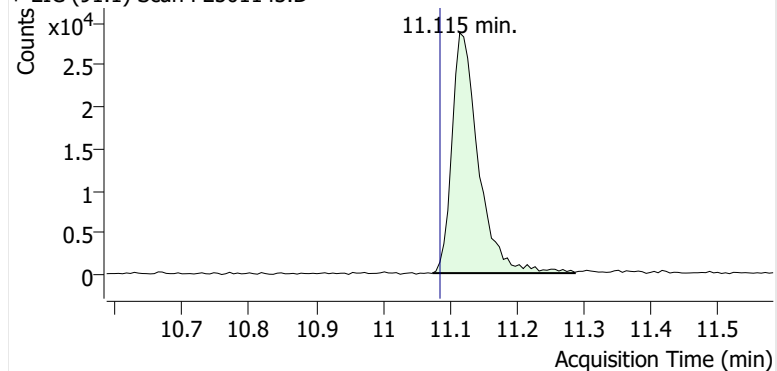
+ EIC (98.1) Scan P2501143.D



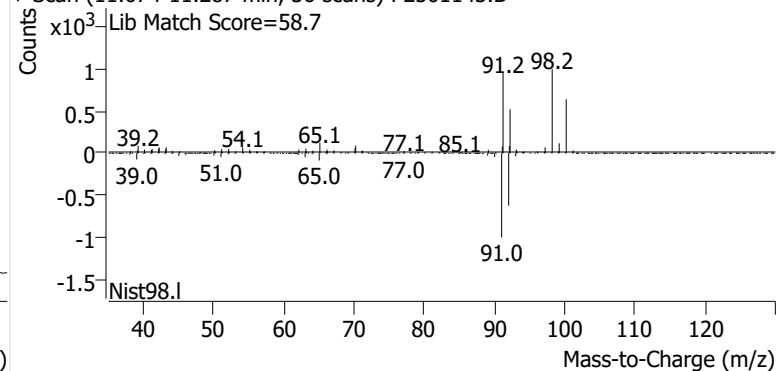
+ Scan (10.974-11.168 min, 33 scans) P2501143.D

**Toluene**

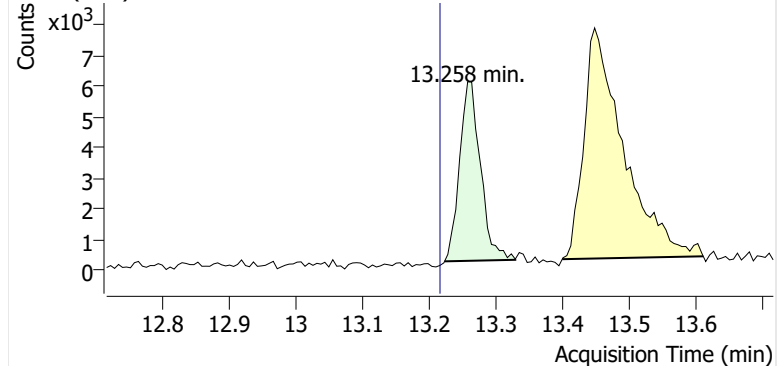
+ EIC (91.1) Scan P2501143.D



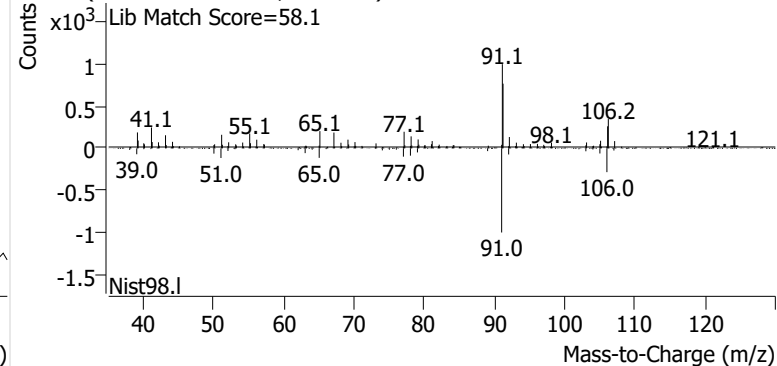
+ Scan (11.074-11.287 min, 36 scans) P2501143.D

**Ethylbenzene**

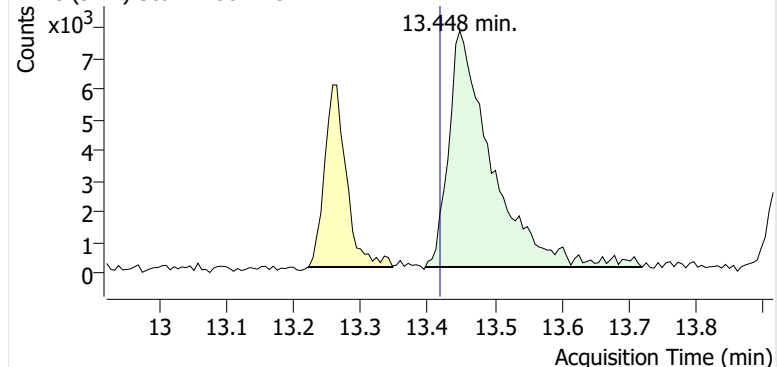
+ EIC (91.1) Scan P2501143.D



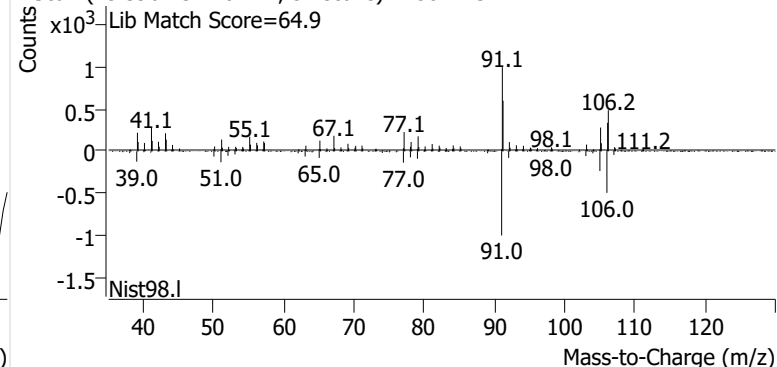
+ Scan (13.223-13.329 min, 18 scans) P2501143.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501143.D

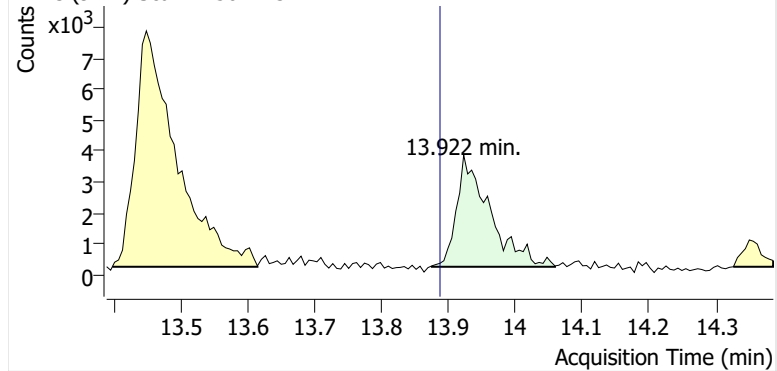


+ Scan (13.396-13.720 min, 54 scans) P2501143.D

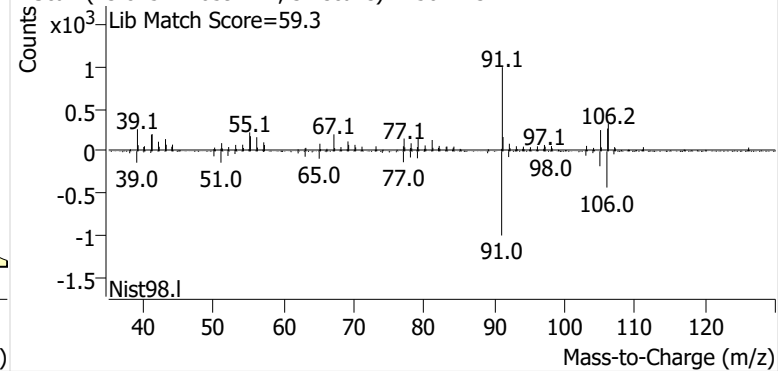


o-Xylene

+ EIC (91.1) Scan P2501143.D



+ Scan (13.875-14.059 min, 32 scans) P2501143.D



Calibration Summary Reports

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501126.D	B16963	Cal	0.823	0.951	0.823	-13%	-4.9%		Pass	
2024FW103 Method Blank-1	P2501127.D	B51003	Blank		0.951	0.823			1.8%	Pass	ND
M325B CCV 5	P2501138.D	C24115	Check	0.813	0.951	0.823	-14%		-2.5%	Pass	
M325B CCV 5	P2501144.D	B35630	Check	0.825	0.951	0.823	-13%		-1.2%	Pass	

Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501126.D	B16963	Cal	0.747	0.881	0.747	-15%	-4.0%		Pass	
2024FW103 Method Blank-1	P2501127.D	B51003	Blank		0.881	0.747			0.43%	Pass	ND
M325B CCV 5	P2501138.D	C24115	Check	0.733	0.881	0.747	-17%		-2.8%	Pass	
M325B CCV 5	P2501144.D	B35630	Check	0.725	0.881	0.747	-18%		-0.92%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501126.D	B16963	Cal	0.949	0.941	0.949	0.79%	-4.0%		Pass	
2024FW103 Method Blank-1	P2501127.D	B51003	Blank		0.941	0.949			0.43%	Pass	ND
M325B CCV 5	P2501138.D	C24115	Check	0.997	0.941	0.949	5.9%		-2.8%	Pass	
M325B CCV 5	P2501144.D	B35630	Check	0.946	0.941	0.949	0.51%		-0.92%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501126.D	B16963	Cal	0.749	0.664	0.749	13%	-4.0%		Pass	
2024FW103 Method Blank-1	P2501127.D	B51003	Blank		0.664	0.749			0.43%	Pass	ND
M325B CCV 5	P2501138.D	C24115	Check	0.767	0.664	0.749	15%		-2.8%	Pass	
M325B CCV 5	P2501144.D	B35630	Check	0.734	0.664	0.749	11%		-0.92%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501126.D	B16963	Cal	0.785	0.700	0.785	12%	-4.0%		Pass	
2024FW103 Method Blank-1	P2501127.D	B51003	Blank		0.700	0.785			0.43%	Pass	ND
M325B CCV 5	P2501138.D	C24115	Check	0.797	0.700	0.785	14%		-2.8%	Pass	
M325B CCV 5	P2501144.D	B35630	Check	0.793	0.700	0.785	13%		-0.92%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829_QT	Benzene	1	P2407318.D	5.27	46469	91.7	708108	1.141	0.2
P122324A_CC233829_QT	Benzene	2	P2407319.D	10.55	79726	91.7	699053	0.991	0.042
P122324A_CC233829_QT	Benzene	3	P2407320.D	21.09	151466	91.7	698443	0.943	-0.009
P122324A_CC233829_QT	Benzene	4	P2407321.D	42.19	277015	91.7	685944	0.878	-0.077
P122324A_CC233829_QT	Benzene	5	P2407322.D	105.47	675480	91.7	677510	0.867	-0.089
P122324A_CC233829_QT	Benzene	6	P2407323.D	210.94	1471865	91.7	686630	0.932	-0.02
P122324A_CC233829_QT	Benzene	7	P2407324.D	632.83	4275232	91.7	682909	0.907	-0.046
P122324A_CC233829_QT	Benzene	QT		99.24		91.7			
						Avg:	691228	0.951	
						%RSD:	1.6%	9.8%	
P122324A_CC233829_QT	Toluene	1	P2407318.D	5.48	52745	108.1	1014026	1.027	0.17
P122324A_CC233829_QT	Toluene	2	P2407319.D	10.95	91325	108.1	1012752	0.890	0.01
P122324A_CC233829_QT	Toluene	3	P2407320.D	21.91	163062	108.1	981836	0.820	-0.07
P122324A_CC233829_QT	Toluene	4	P2407321.D	43.81	346858	108.1	981986	0.872	-0.011
P122324A_CC233829_QT	Toluene	5	P2407322.D	109.53	806463	108.1	978879	0.813	-0.077
P122324A_CC233829_QT	Toluene	6	P2407323.D	219.07	1812110	108.1	987383	0.906	0.028
P122324A_CC233829_QT	Toluene	7	P2407324.D	657.20	5004765	108.1	981300	0.839	-0.048
P122324A_CC233829_QT	Toluene	QT		107.31		108.1			
						Avg:	991166	0.881	
						%RSD:	1.6%	8.3%	
P122324A_CC233829_QT	Ethylbenzene	1	P2407318.D	5.42	46855	108.1	1014026	0.922	-0.021
P122324A_CC233829_QT	Ethylbenzene	2	P2407319.D	10.84	95467	108.1	1012752	0.940	-0.0011
P122324A_CC233829_QT	Ethylbenzene	3	P2407320.D	21.68	191827	108.1	981836	0.974	0.035
P122324A_CC233829_QT	Ethylbenzene	4	P2407321.D	43.36	350131	108.1	981986	0.889	-0.055
P122324A_CC233829_QT	Ethylbenzene	5	P2407322.D	108.40	931881	108.1	978879	0.950	0.0088
P122324A_CC233829_QT	Ethylbenzene	6	P2407323.D	216.80	1887679	108.1	987383	0.953	0.013
P122324A_CC233829_QT	Ethylbenzene	7	P2407324.D	650.40	5670692	108.1	981300	0.961	0.021
P122324A_CC233829_QT	Ethylbenzene	QT		103.15		108.1			
						Avg:	991166	0.941	
						%RSD:	1.6%	3.0%	

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW104-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829_QT	m-/p-Xylenes	1	P2407318.D	5.46	28805	108.1	1014026	0.563	-0.15
P122324A_CC233829_QT	m-/p-Xylenes	2	P2407319.D	10.91	68718	108.1	1012752	0.672	0.013
P122324A_CC233829_QT	m-/p-Xylenes	3	P2407320.D	21.82	131192	108.1	981836	0.662	-0.0028
P122324A_CC233829_QT	m-/p-Xylenes	4	P2407321.D	43.64	251198	108.1	981986	0.634	-0.045
P122324A_CC233829_QT	m-/p-Xylenes	5	P2407322.D	109.11	662877	108.1	978879	0.671	0.011
P122324A_CC233829_QT	m-/p-Xylenes	6	P2407323.D	218.22	1370970	108.1	987383	0.688	0.036
P122324A_CC233829_QT	m-/p-Xylenes	7	P2407324.D	654.66	4498190	108.1	981300	0.757	0.14
P122324A_CC233829_QT	m-/p-Xylenes	QT		97.42		108.1			
						Avg:	991166	0.664	
						%RSD:	1.6%	8.8%	
P122324A_CC233829_QT	o-Xylene	1	P2407318.D	5.49	28907	108.1	1014026	0.562	-0.2
P122324A_CC233829_QT	o-Xylene	2	P2407319.D	10.97	72791	108.1	1012752	0.708	0.012
P122324A_CC233829_QT	o-Xylene	3	P2407320.D	21.94	141757	108.1	981836	0.711	0.016
P122324A_CC233829_QT	o-Xylene	4	P2407321.D	43.88	284649	108.1	981986	0.714	0.02
P122324A_CC233829_QT	o-Xylene	5	P2407322.D	109.71	704549	108.1	978879	0.709	0.013
P122324A_CC233829_QT	o-Xylene	6	P2407323.D	219.42	1495351	108.1	987383	0.746	0.066
P122324A_CC233829_QT	o-Xylene	7	P2407324.D	658.25	4483368	108.1	981300	0.750	0.072
P122324A_CC233829_QT	o-Xylene	QT		101.60		108.1			
						Avg:	991166	0.700	
						%RSD:	1.6%	9.1%	
Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P122324A_CC233829_QT	Benzene	ICV	P2407325.D	64.66	415161	91.7	665622	0.884	-7.0%
P122324A_CC233829_QT	Toluene	ICV	P2407325.D	77.12	539426	108.1	943563	0.801	-9.0%
P122324A_CC233829_QT	Ethylbenzene	ICV	P2407325.D	86.82	647916	108.1	943563	0.855	-9.2%
P122324A_CC233829_QT	m-/p-Xylenes	ICV	P2407325.D	90.37	523290	108.1	943563	0.663	-0.1%
P122324A_CC233829_QT	o-Xylene	ICV	P2407325.D	88.95	514715	108.1	943563	0.663	-5.3%

**This Is The Last Page
Of This Report.**

Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 16

Analytical Report (2025FW105)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

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800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA REVIEW PERFORMED BY

Brianna Berry

QA Associate I

Report Issued: 03/10/2025



Summary of Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylene		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20250212	B43039	0.710	ND	1.11	ND	ND		0.332	J	ND	
PPSP-5-S-20250212	B27175	0.680		2.83		ND		0.457	J	ND	
PPSP-4-S-20250212	C01887	0.697		2.40		ND		0.377	J	ND	
PPSP-3-S-20250212	B40269	0.660		2.30		ND		0.368	J	ND	
PPSP-2-S-20250212	C34137	0.764		0.805		ND		0.302	J	ND	
PPSP-1-B-20250212	B20215					ND		ND		ND	
PPSP-1-S-20250212	B46223	1.07		1.45		ND		0.305	J	ND	
PPSP-13-S-20250212	C20375	1.04		0.873		ND		0.361	J	ND	
PPSP-12-S-20250212	B38691	1.53		1.17		ND		0.389	J	ND	
PPSP-11-S-20250212	C00744	1.57		1.46		ND		0.317	J	ND	
PPSP-10-S-20250212	B46843	0.766		0.831		ND		ND		ND	
PPSP-9-S-20250212	B19351	0.792		1.38		ND		0.315	J	ND	
PPSP-8-S-20250212	C00813	0.688		1.08		ND		0.332	J	ND	
PPSP-8-D-20250212	B22063	0.654		0.866		ND		0.287	J	ND	
PPSP-7-S-20250212	B40237	0.669		1.21		ND		0.375	J	ND	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250212	B43039	0.710	0.222	9.04	24.4	0.636	20011	0.196	0.383	0.0615	0.120		K2501094.D	2025-02-28 00:57	1.286	8.201	98368	461933	54.6	8.146	-3.9%
PPSP-5-S-20250212	B27175	0.680	0.213	8.68	24.4	0.636	20075	0.196	0.382	0.0613	0.120		K2501095.D	2025-02-28 01:25	1.286	8.202	94347	461497	54.6	8.146	-4.0%
PPSP-4-S-20250212	C01887	0.697	0.218	8.91	24.4	0.636	20075	0.196	0.382	0.0613	0.120		K2501096.D	2025-02-28 01:53	1.286	8.202	101541	483987	54.6	8.146	0.7%
PPSP-3-S-20250212	B40269	0.660	0.207	8.43	24.4	0.636	20074	0.196	0.382	0.0613	0.120		K2501097.D	2025-02-28 02:20	1.286	8.202	91996	463436	54.6	8.146	-3.6%
PPSP-2-S-20250212	C34137	0.764	0.239	9.76	24.4	0.636	20070	0.196	0.382	0.0613	0.120		K2501098.D	2025-02-28 02:48	1.286	8.201	106544	463724	54.6	8.146	-3.5%
PPSP-1-B-20250212	B20215				24.5	0.636	20070	0.196	0.382	0.0613	0.120	ND	K2501093.D	2025-02-28 00:30	1.286	8.201	2667	467615	54.6	8.146	-2.7%
PPSP-1-S-20250212	B46223	1.07	0.336	13.7	24.5	0.636	20070	0.196	0.382	0.0613	0.120		K2501099.D	2025-02-28 03:15	1.286	8.208	150036	464389	54.6	8.146	-3.4%
PPSP-13-S-20250212	C20375	1.04	0.326	13.3	24.5	0.636	20070	0.196	0.382	0.0613	0.120		K2501100.D	2025-02-28 03:43	1.286	8.201	144499	461728	54.6	8.146	-3.9%
PPSP-12-S-20250212	B38691	1.53	0.479	19.5	24.5	0.636	20074	0.196	0.382	0.0613	0.120		K2501101.D	2025-02-28 04:11	1.286	8.201	213391	463781	54.6	8.146	-3.5%
PPSP-11-S-20250212	C00744	1.57	0.492	20.1	24.5	0.636	20069	0.196	0.382	0.0613	0.120		K2501102.D	2025-02-28 04:39	1.286	8.201	220498	466621	54.6	8.146	-2.9%
PPSP-10-S-20250212	B46843	0.766	0.240	9.79	24.5	0.636	20067	0.196	0.382	0.0613	0.120		K2501103.D	2025-02-28 05:07	1.286	8.201	106102	460415	54.6	8.146	-4.2%
PPSP-9-S-20250212	B19351	0.792	0.248	10.1	24.5	0.636	20068	0.196	0.382	0.0613	0.120		K2501105.D	2025-02-28 06:02	1.286	8.201	108105	453807	54.6	8.146	-5.6%
PPSP-8-S-20250212	C00813	0.688	0.216	8.79	24.5	0.636	20068	0.196	0.382	0.0613	0.120		K2501106.D	2025-02-28 06:29	1.286	8.201	95297	460269	54.6	8.146	-4.2%
PPSP-8-D-20250212	B22063	0.654	0.205	8.35	24.5	0.636	20068	0.196	0.382	0.0613	0.120		K2501107.D	2025-02-28 06:57	1.286	8.201	89497	455181	54.6	8.146	-5.3%
PPSP-7-S-20250212	B40237	0.669	0.210	8.55	24.5	0.636	20067	0.196	0.382	0.0613	0.120		K2501108.D	2025-02-28 07:24	1.286	8.201	91365	453864	54.6	8.146	-5.5%

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250212	B43039	1.11	0.296	11.0	24.4	0.494	20011	0.253	0.533	0.0672	0.142		K2501094.D	2025-02-28 00:57	1.453	10.930	121292	488230	64.4	10.832	-2.4%
PPSP-5-S-20250212	B27175	2.83	0.750	28.0	24.4	0.494	20075	0.252	0.532	0.0670	0.141		K2501095.D	2025-02-28 01:25	1.453	10.930	301042	476403	64.4	10.832	-4.8%
PPSP-4-S-20250212	C01887	2.40	0.638	23.8	24.4	0.494	20075	0.252	0.532	0.0670	0.141		K2501096.D	2025-02-28 01:53	1.453	10.930	266057	495443	64.4	10.832	-1.0%
PPSP-3-S-20250212	B40269	2.30	0.609	22.8	24.4	0.494	20074	0.252	0.532	0.0670	0.141		K2501097.D	2025-02-28 02:20	1.453	10.930	247033	481338	64.4	10.832	-3.8%
PPSP-2-S-20250212	C34137	0.805	0.214	7.98	24.4	0.494	20070	0.252	0.532	0.0670	0.141		K2501098.D	2025-02-28 02:48	1.453	10.930	86423	480242	64.4	10.832	-4.0%
PPSP-1-B-20250212	B20215				24.5	0.494	20070	0.252	0.532	0.0670	0.141	ND	K2501093.D	2025-02-28 00:30	1.453	10.930	3122	476977	64.4	10.832	-4.7%
PPSP-1-S-20250212	B46223	1.45	0.386	14.4	24.5	0.494	20070	0.252	0.532	0.0670	0.141		K2501099.D	2025-02-28 03:15	1.453	10.930	155546	479075	64.4	10.832	-4.3%
PPSP-13-S-20250212	C20375	0.873	0.232	8.65	24.5	0.494	20070	0.252	0.532	0.0670	0.141		K2501100.D	2025-02-28 03:43	1.453	10.930	92427	473568	64.4	10.832	-5.4%
PPSP-12-S-20250212	B38691	1.17	0.312	11.6	24.5	0.494	20074	0.252	0.532	0.0670	0.141		K2501101.D	2025-02-28 04:11	1.453	10.930	126449	481570	64.4	10.832	-3.8%
PPSP-11-S-20250212	C00744	1.46	0.389	14.5	24.5	0.494	20069	0.252	0.532	0.0670	0.141		K2501102.D	2025-02-28 04:39	1.453	10.930	157613	481540	64.4	10.832	-3.8%
PPSP-10-S-20250212	B46843	0.831	0.221	8.24	24.5	0.494	20067	0.252	0.532	0.0670	0.141		K2501103.D	2025-02-28 05:07	1.453	10.930	88328	475221	64.4	10.832	-5.0%
PPSP-9-S-20250212	B19351	1.38	0.367	13.7	24.5	0.494	20068	0.252	0.532	0.0670	0.141		K2501105.D	2025-02-28 06:02	1.453	10.930	146383	473798	64.4	10.832	-5.3%
PPSP-8-S-20250212	C00813	1.08	0.288	10.7	24.5	0.494	20068	0.252	0.532	0.0670	0.141		K2501106.D	2025-02-28 06:29	1.453	10.930	114418	472692	64.4	10.832	-5.5%
PPSP-8-D-20250212	B22063	0.866	0.230	8.59	24.5	0.494	20068	0.252	0.532	0.0670	0.141		K2501107.D	2025-02-28 06:57	1.453	10.930	91617	473144	64.4	10.832	-5.5%
PPSP-7-S-20250212	B40237	1.21	0.321	12.0	24.5	0.494	20067	0.252	0.532	0.0670	0.141		K2501108.D	2025-02-28 07:24	1.453	10.930	126599	468298	64.4	10.832	-6.4%

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250212	B43039				24.4	0.437	20011	0.286	0.580	0.0659	0.134	ND	K2501094.D	2025-02-28 00:57	1.564	13.114	14125	488230	64.4	10.832	-2.4%
PPSP-5-S-20250212	B27175				24.4	0.437	20075	0.285	0.578	0.0657	0.133	ND	K2501095.D	2025-02-28 01:25	1.564	13.114	18713	476403	64.4	10.832	-4.8%
PPSP-4-S-20250212	C01887				24.4	0.437	20075	0.285	0.578	0.0657	0.133	ND	K2501096.D	2025-02-28 01:53	1.564	13.108	15724	495443	64.4	10.832	-1.0%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20250212	B40269				24.4	0.437	20074	0.285	0.578	0.0657	0.133	ND	K2501097.D	2025-02-28 02:20	1.564	13.108	14851	481338	64.4	10.832	-3.8%
PPSP-2-S-20250212	C34137				24.4	0.437	20070	0.285	0.578	0.0657	0.133	ND	K2501098.D	2025-02-28 02:48	1.564	13.114	11829	480242	64.4	10.832	-4.0%
PPSP-1-B-20250212	B20215				24.5	0.437	20070	0.285	0.578	0.0657	0.133	ND	K2501093.D	2025-02-28 00:30	1.564	13.242	0	476977	64.4	10.832	-4.7%
PPSP-1-S-20250212	B46223				24.5	0.437	20070	0.285	0.578	0.0657	0.133	ND	K2501099.D	2025-02-28 03:15	1.564	13.114	11722	479075	64.4	10.832	-4.3%
PPSP-13-S-20250212	C20375				24.5	0.437	20070	0.285	0.578	0.0657	0.133	ND	K2501100.D	2025-02-28 03:43	1.564	13.114	12663	473568	64.4	10.832	-5.4%
PPSP-12-S-20250212	B38691				24.5	0.437	20074	0.285	0.578	0.0657	0.133	ND	K2501101.D	2025-02-28 04:11	1.564	13.114	14212	481570	64.4	10.832	-3.8%
PPSP-11-S-20250212	C00744				24.5	0.437	20069	0.285	0.578	0.0657	0.133	ND	K2501102.D	2025-02-28 04:39	1.564	13.108	12382	481540	64.4	10.832	-3.8%
PPSP-10-S-20250212	B46843				24.5	0.437	20067	0.285	0.578	0.0657	0.133	ND	K2501103.D	2025-02-28 05:07	1.564	13.108	11911	475221	64.4	10.832	-5.0%
PPSP-9-S-20250212	B19351				24.5	0.437	20068	0.285	0.578	0.0657	0.133	ND	K2501105.D	2025-02-28 06:02	1.564	13.114	12960	473798	64.4	10.832	-5.3%
PPSP-8-S-20250212	C00813				24.5	0.437	20068	0.285	0.578	0.0657	0.133	ND	K2501106.D	2025-02-28 06:29	1.564	13.114	12293	472692	64.4	10.832	-5.5%
PPSP-8-D-20250212	B22063				24.5	0.437	20068	0.285	0.578	0.0657	0.133	ND	K2501107.D	2025-02-28 06:57	1.564	13.108	12414	473144	64.4	10.832	-5.5%
PPSP-7-S-20250212	B40237				24.5	0.437	20067	0.285	0.578	0.0657	0.133	ND	K2501108.D	2025-02-28 07:24	1.564	13.114	14671	468298	64.4	10.832	-6.4%

m-/p-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250212	B43039	0.332	0.0765	2.90	24.4	0.437	20011	0.286	0.547	0.0659	0.126	J	K2501094.D	2025-02-28 00:57	1.130	13.285	24856	488230	64.4	10.832	-2.4%
PPSP-5-S-20250212	B27175	0.457	0.105	4.01	24.4	0.437	20075	0.285	0.546	0.0657	0.126	J	K2501095.D	2025-02-28 01:25	1.130	13.285	33511	476403	64.4	10.832	-4.8%
PPSP-4-S-20250212	C01887	0.377	0.0868	3.30	24.4	0.437	20075	0.285	0.546	0.0657	0.126	J	K2501096.D	2025-02-28 01:53	1.130	13.285	28714	495443	64.4	10.832	-1.0%
PPSP-3-S-20250212	B40269	0.368	0.0849	3.23	24.4	0.437	20074	0.285	0.546	0.0657	0.126	J	K2501097.D	2025-02-28 02:20	1.130	13.285	27279	481338	64.4	10.832	-3.8%
PPSP-2-S-20250212	C34137	0.302	0.0697	2.65	24.4	0.437	20070	0.285	0.546	0.0657	0.126	J	K2501098.D	2025-02-28 02:48	1.130	13.285	22339	480242	64.4	10.832	-4.0%
PPSP-1-B-20250212	B20215				24.5	0.437	20070	0.285	0.546	0.0657	0.126	ND	K2501093.D	2025-02-28 00:30	1.130	13.242	334	476977	64.4	10.832	-4.7%
PPSP-1-S-20250212	B46223	0.305	0.0703	2.67	24.5	0.437	20070	0.285	0.546	0.0657	0.126	J	K2501099.D	2025-02-28 03:15	1.130	13.291	22475	479075	64.4	10.832	-4.3%
PPSP-13-S-20250212	C20375	0.361	0.0831	3.16	24.5	0.437	20070	0.285	0.546	0.0657	0.126	J	K2501100.D	2025-02-28 03:43	1.130	13.291	26273	473568	64.4	10.832	-5.4%
PPSP-12-S-20250212	B38691	0.389	0.0896	3.41	24.5	0.437	20074	0.285	0.546	0.0657	0.126	J	K2501101.D	2025-02-28 04:11	1.130	13.291	28817	481570	64.4	10.832	-3.8%
PPSP-11-S-20250212	C00744	0.317	0.0730	2.78	24.5	0.437	20069	0.285	0.546	0.0657	0.126	J	K2501102.D	2025-02-28 04:39	1.130	13.285	23474	481540	64.4	10.832	-3.8%
PPSP-10-S-20250212	B46843				24.5	0.437	20067	0.285	0.546	0.0657	0.126	ND	K2501103.D	2025-02-28 05:07	1.130	13.285	20750	475221	64.4	10.832	-5.0%
PPSP-9-S-20250212	B19351	0.315	0.0726	2.76	24.5	0.437	20068	0.285	0.546	0.0657	0.126	J	K2501105.D	2025-02-28 06:02	1.130	13.291	22975	473798	64.4	10.832	-5.3%
PPSP-8-S-20250212	C00813	0.332	0.0766	2.92	24.5	0.437	20068	0.285	0.546	0.0657	0.126	J	K2501106.D	2025-02-28 06:29	1.130	13.285	24176	472692	64.4	10.832	-5.5%
PPSP-8-D-20250212	B22063	0.287	0.0662	2.52	24.5	0.437	20068	0.285	0.546	0.0657	0.126	J	K2501107.D	2025-02-28 06:57	1.130	13.285	20899	473144	64.4	10.832	-5.5%
PPSP-7-S-20250212	B40237	0.375	0.0864	3.29	24.5	0.437	20067	0.285	0.546	0.0657	0.126	J	K2501108.D	2025-02-28 07:24	1.130	13.285	27001	468298	64.4	10.832	-6.4%

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250212	B43039				24.4	0.437	20011	0.286	0.571	0.0659	0.132	ND	K2501094.D	2025-02-28 00:57	1.145	13.787	8949	488230	64.4	10.832	-2.4%
PPSP-5-S-20250212	B27175				24.4	0.437	20075	0.285	0.569	0.0657	0.131	ND	K2501095.D	2025-02-28 01:25	1.145	13.787	13697	476403	64.4	10.832	-4.8%
PPSP-4-S-20250212	C01887				24.4	0.437	20075	0.285	0.569	0.0657	0.131	ND	K2501096.D	2025-02-28 01:53	1.145	13.787	11893	495443	64.4	10.832	-1.0%
PPSP-3-S-20250212	B40269				24.4	0.437	20074	0.285	0.569	0.0657	0.131	ND	K2501097.D	2025-02-28 02:20	1.145	13.781	12364	481338	64.4	10.832	-3.8%
PPSP-2-S-20250212	C34137				24.4	0.437	20070	0.285	0.569	0.0657	0.131	ND	K2501098.D	2025-02-28 02:48	1.145	13.787	7448	480242	64.4	10.832	-4.0%
PPSP-1-B-20250212	B20215				24.5	0.437	20070	0.285	0.569	0.0657	0.131	ND	K2501093.D	2025-02-28 00:30	1.145	14.234	0	476977	64.4	10.832	-4.7%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

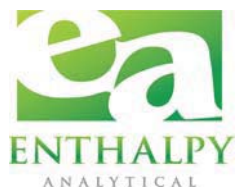
o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-S-20250212	B46223				24.5	0.437	20070	0.285	0.569	0.0657	0.131	ND	K2501099.D	2025-02-28 03:15	1.145	13.787	9118	479075	64.4	10.832	-4.3%
PPSP-13-S-20250212	C20375				24.5	0.437	20070	0.285	0.569	0.0657	0.131	ND	K2501100.D	2025-02-28 03:43	1.145	13.787	9779	473568	64.4	10.832	-5.4%
PPSP-12-S-20250212	B38691				24.5	0.437	20074	0.285	0.569	0.0657	0.131	ND	K2501101.D	2025-02-28 04:11	1.145	13.781	12258	481570	64.4	10.832	-3.8%
PPSP-11-S-20250212	C00744				24.5	0.437	20069	0.285	0.569	0.0657	0.131	ND	K2501102.D	2025-02-28 04:39	1.145	13.787	9341	481540	64.4	10.832	-3.8%
PPSP-10-S-20250212	B46843				24.5	0.437	20067	0.285	0.569	0.0657	0.131	ND	K2501103.D	2025-02-28 05:07	1.145	13.787	8946	475221	64.4	10.832	-5.0%
PPSP-9-S-20250212	B19351				24.5	0.437	20068	0.285	0.569	0.0657	0.131	ND	K2501105.D	2025-02-28 06:02	1.145	13.781	9360	473798	64.4	10.832	-5.3%
PPSP-8-S-20250212	C00813				24.5	0.437	20068	0.285	0.569	0.0657	0.131	ND	K2501106.D	2025-02-28 06:29	1.145	13.787	10965	472692	64.4	10.832	-5.5%
PPSP-8-D-20250212	B22063				24.5	0.437	20068	0.285	0.569	0.0657	0.131	ND	K2501107.D	2025-02-28 06:57	1.145	13.787	8899	473144	64.4	10.832	-5.5%
PPSP-7-S-20250212	B40237				24.5	0.437	20067	0.285	0.569	0.0657	0.131	ND	K2501108.D	2025-02-28 07:24	1.145	13.787	10182	468298	64.4	10.832	-6.4%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC



Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW105-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylene		o-Xylene	
Blanks (ug/m³)	PPSP-1-B-20250212	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250212	5.2%	Pass	22%	Pass	ND	Pass	15%	Pass	ND	Pass

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW105

Custody	Enthalpy Analytical, LLC received the sample tubes on 02/27/25. The samples were received in good condition at a temperature of 11.9 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-MTD.M) is not included in this report but may be available upon request.
Calibration	The BFB tune associated with the initial calibration failed to meet method criteria for the relative response of m/z 174. Because m/z 174 is not near the tuning region of the quant ions for the target analytes and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m³ and ppbv.



Enthalpy Analytical Narrative Summary

(continued)

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.



Enthalpy Analytical LDEQ Certification Statement

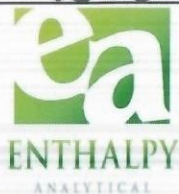
Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) under **Certificate Number 04010**. The methods included in this report are listed in the table below along with Enthalpy-Durham's accreditation status with LDEQ and any analytes that Enthalpy-Durham does not hold accreditation for.

Method	Accredited by LDEQ?	Analytes of an Accredited Method that are not Accredited
EPA M325B	Yes	N/A

Sample Custody



2025 FW105



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

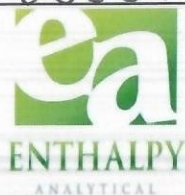
- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	B43039	sample	2/12/25	12:17 PM	2/26/25	9:48 AM	JB / JB		
5	B27175	sample	2/12/25	11:21 AM	2/26/25	9:56 AM	JB / JB		
4	C01887	sample	2/12/25	11:26 AM	2/26/25	10:01 AM	JB / JB		
3	B40269	sample	2/12/25	11:32 AM	2/26/25	10:06 AM	JB / JB		
2	C34137	sample	2/12/25	11:39 AM	2/26/25	10:09 AM	JB / JB		
1	B20215	blank	2/12/25	11:42 AM	2/26/25	10:12 AM	JB / JB		
1	B46223	sample	2/12/25	11:42 AM	2/26/25	10:12 AM	JB / JB		
13	C20375	sample	2/12/25	11:45 AM	2/26/25	10:15 AM	JB / JB		

Relinquished By (printed):		Relinquished By (signature):		Relinquished Date:		Relinquished Time:	
Jen Bowidowicz		<i>Jennifer Bowidowicz</i>		2/26/2025			
Recieved By (printed):		Recieved By (signature):		Receipt Date:		Receipt Time:	
Bryan Allen		<i>[Signature]</i>		2/27/2025		12:35	
Sample Condition Upon Receipt:		Compound List:		Custody Seal intact? Y/N:		Delivery tracking #	
Good		BTEX		NO			
Ice Temp:	Blank Temp:			Add Custody Seal # below:			
	11.9	Fluke 4		N/A			
Comments:							
Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

2025FW105



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

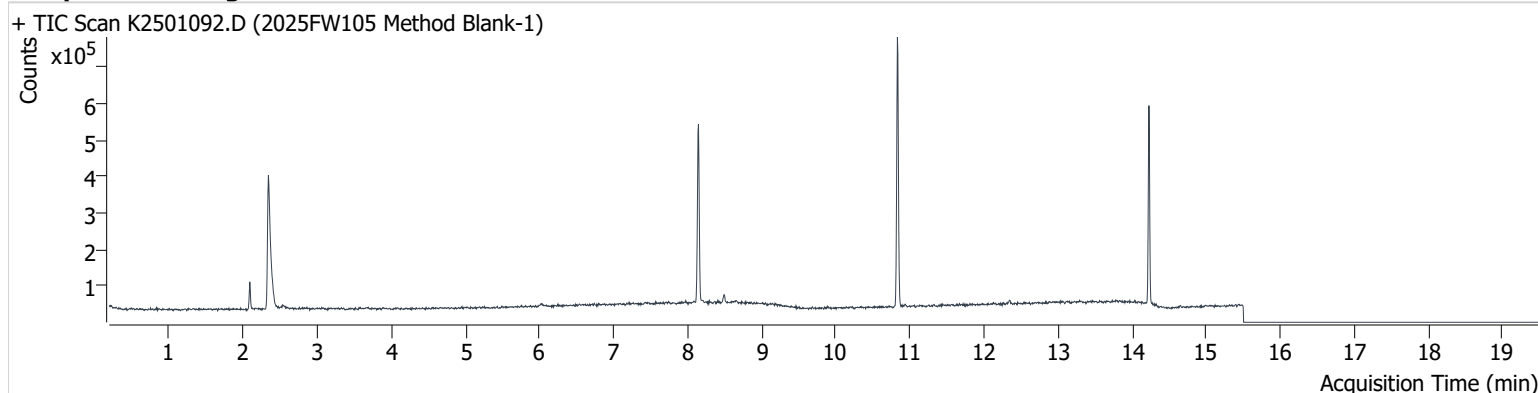
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	B38691	sample	2/12/25	11:49 AM	2/26/25	10:23 AM	JB / JB		
11	C00744	sample	2/12/25	11:56 AM	2/26/25	10:25 AM	JB / JB		
10	B46843	sample	2/12/25	12:01 PM	2/26/25	10:28 AM	JB / JB		
9	B19351	sample	2/12/25	12:04 PM	2/26/25	10:32 AM	JB / JB		
8	C00813	sample	2/12/25	12:08 PM	2/26/25	10:36 AM	JB / JB		
8	B22063	duplicate	2/12/25	12:08 PM	2/26/25	10:36 AM	JB / JB		
7	B40237	sample	2/12/25	12:12 PM	2/26/25	10:39 AM	JB / JB		

Relinquished By (printed): Jen Bowidowicz		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: 2/26/2025		Relinquished Time:	
Received By (printed): <i>Began Allen</i>		Received By (signature): <i>[Signature]</i>		Receipt Date: 2/27/2025		Receipt Time: 12:35	
Sample Condition Upon Receipt: Good		Compound List: BTEX		Custody Seal intact? Y/N: NO		Delivery tracking #	
Ice Temp:	Blank Temp: 11.9			Add Custody Seal # below: N/A			
	Fluke 4						
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

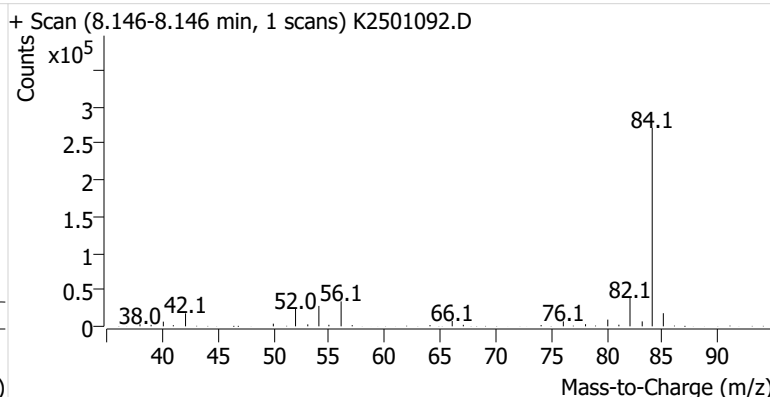
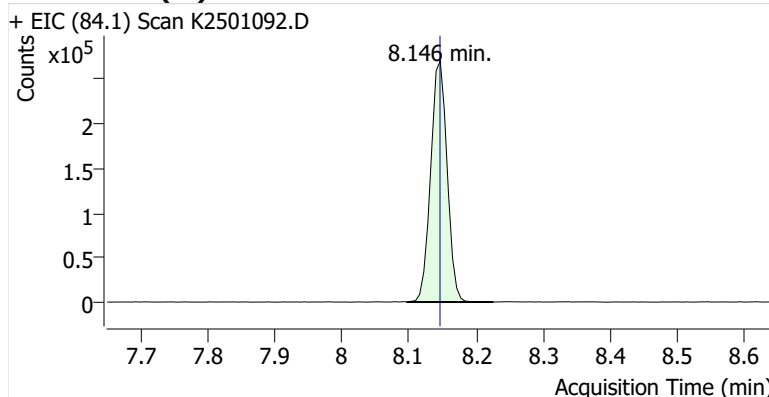
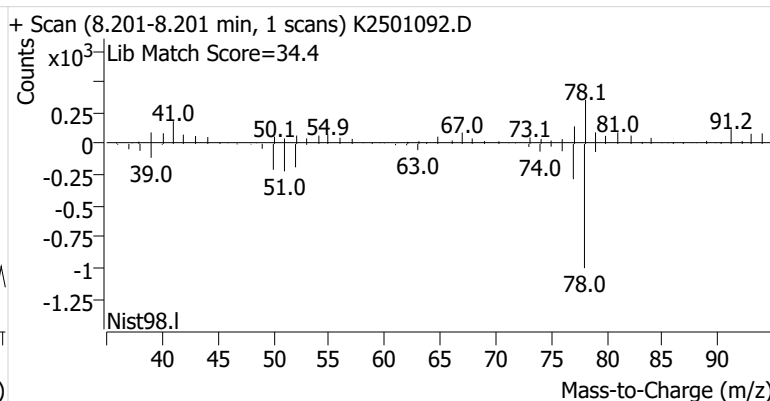
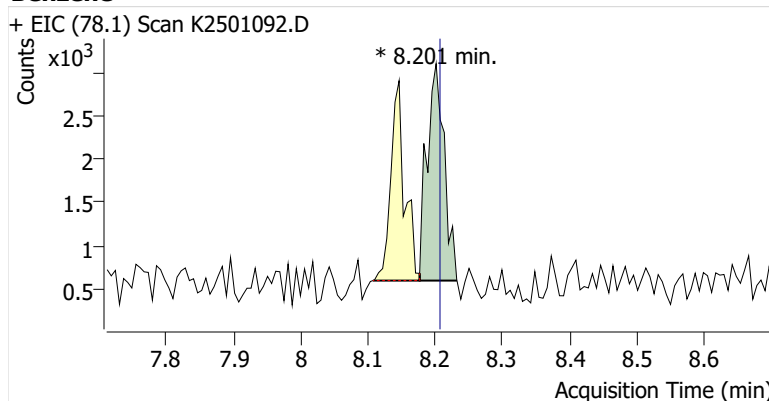
Sample Chromatograms



Name 2025FW105 Method Blank-1
Comment B46925
Data File K2501092.D
Acq. Date-Time 2/28/2025 12:02:47 AM
Acq. Method File M325B-MTD
Tube Sorbent Carbopack X
Analyze Quant Version 12.1
Report Quant Version 12.1

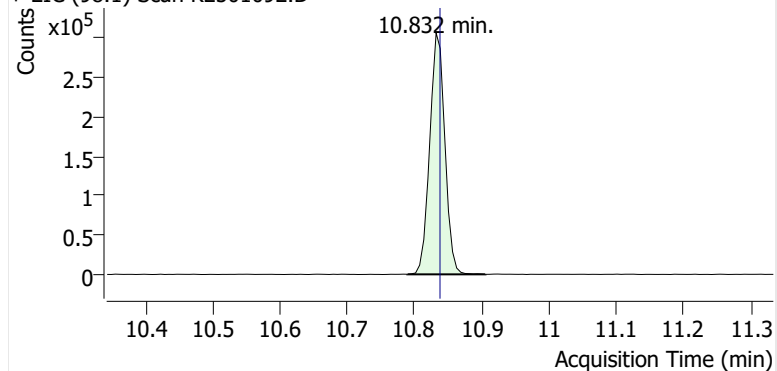
Sample Chromatogram

Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	459,160	
Benzene	benzene-d6 (IS)	8.201	8.207	4,515	m
Toluene-d8 (IS)		10.832	10.838	479,446	
Toluene	Toluene-d8 (IS)	10.924	10.930	2,210	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	1,019	m
m-/p-Xylene	Toluene-d8 (IS)	13.450	13.291	ND	m
o-Xylene	Toluene-d8 (IS)	13.450	13.787	ND	m

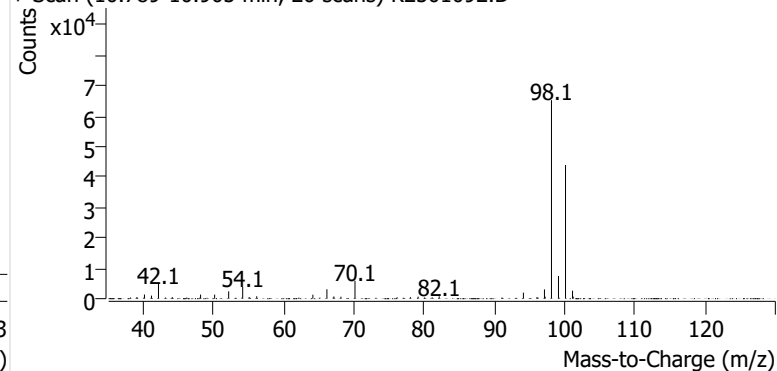
benzene-d6 (IS)**Benzene**

Toluene-d8 (IS)

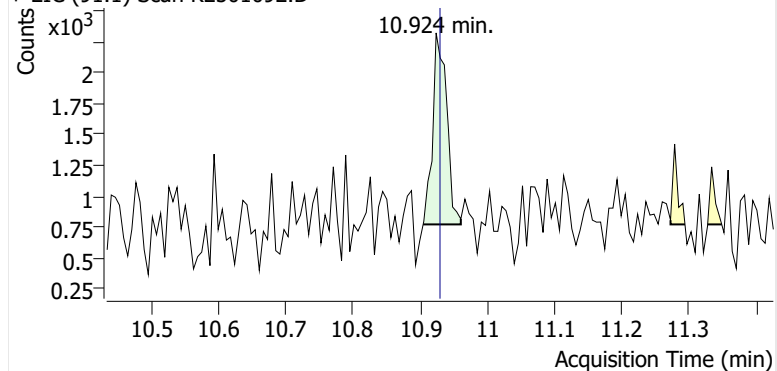
+ EIC (98.1) Scan K2501092.D



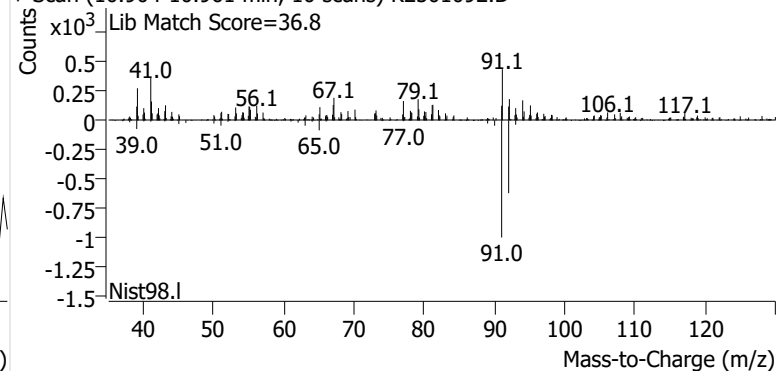
+ Scan (10.789-10.905 min, 20 scans) K2501092.D

**Toluene**

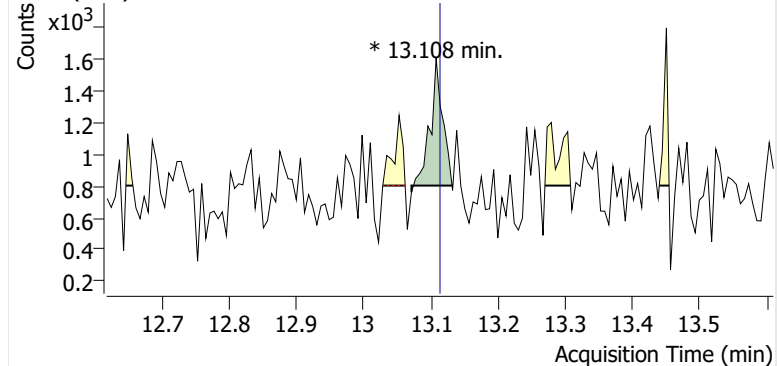
+ EIC (91.1) Scan K2501092.D



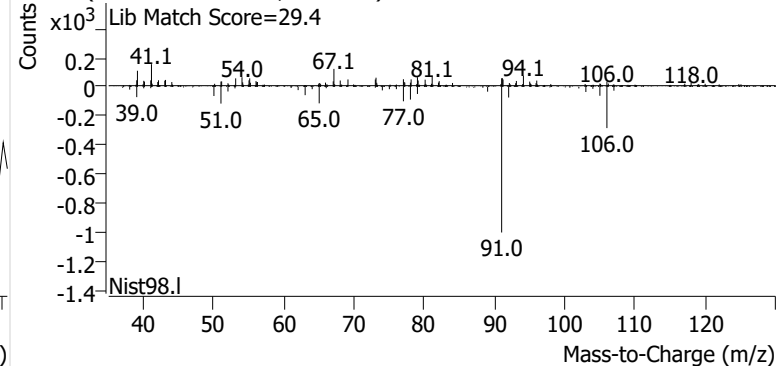
+ Scan (10.904-10.961 min, 10 scans) K2501092.D

**Ethylbenzene**

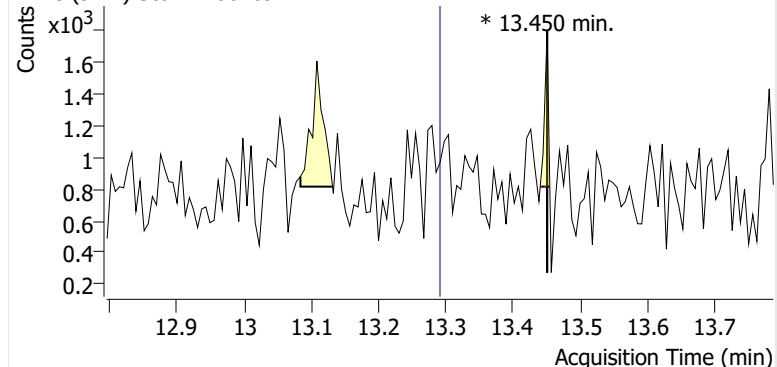
+ EIC (91.1) Scan K2501092.D



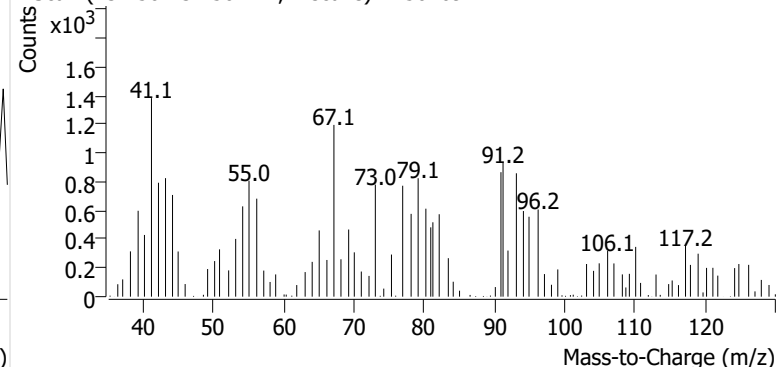
+ Scan (13.071-13.132 min, 10 scans) K2501092.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501092.D

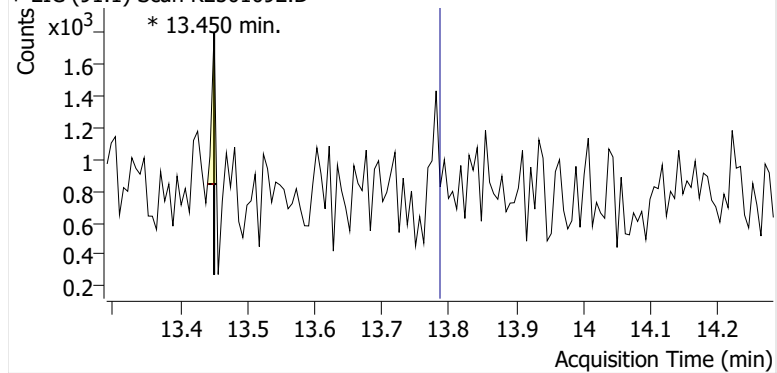


+ Scan (13.450-13.450 min, 1 scans) K2501092.D

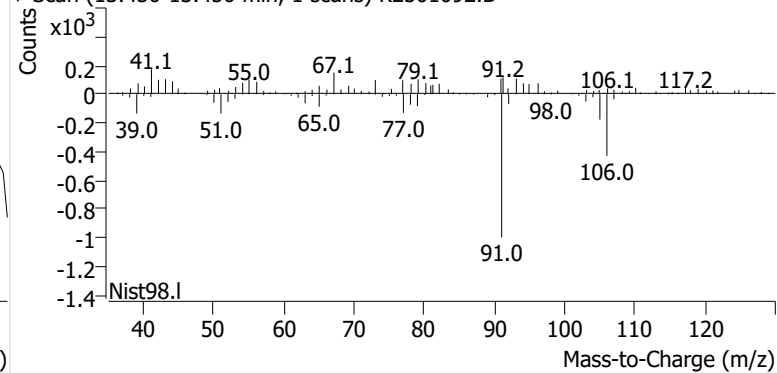


o-Xylene

+ EIC (91.1) Scan K2501092.D

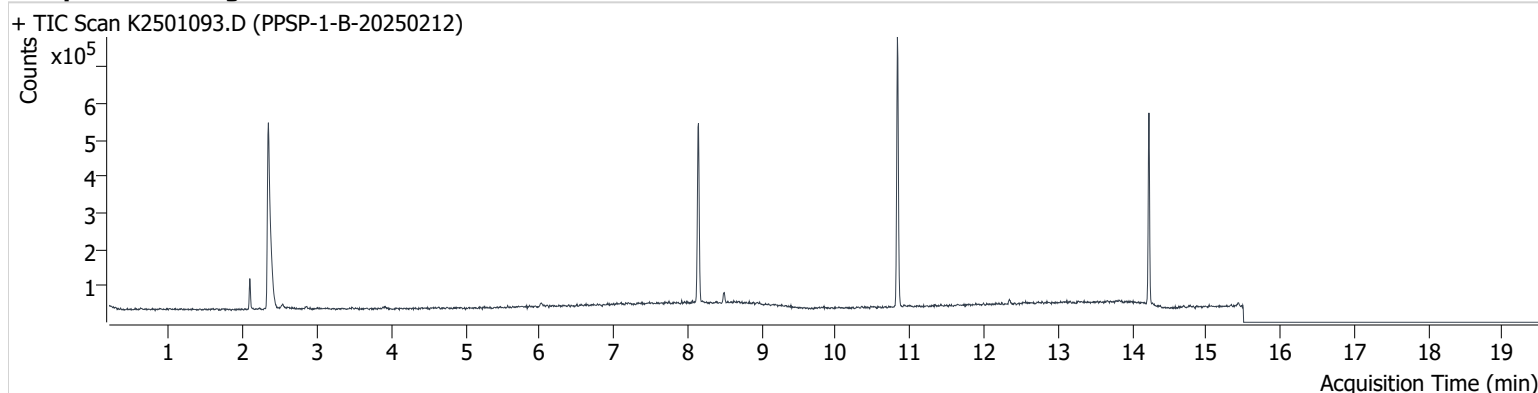


+ Scan (13.450-13.450 min, 1 scans) K2501092.D



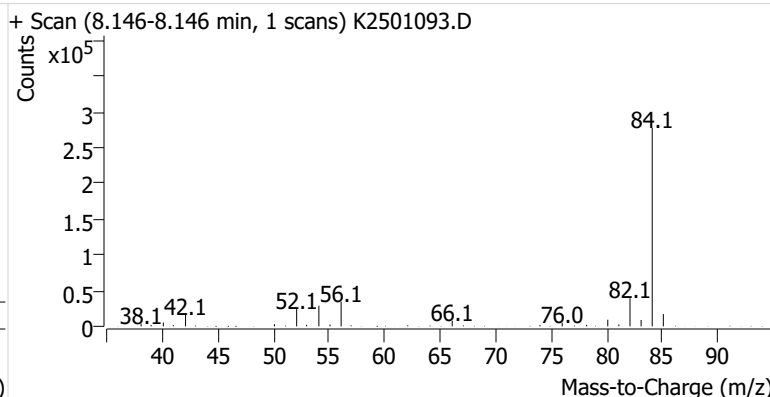
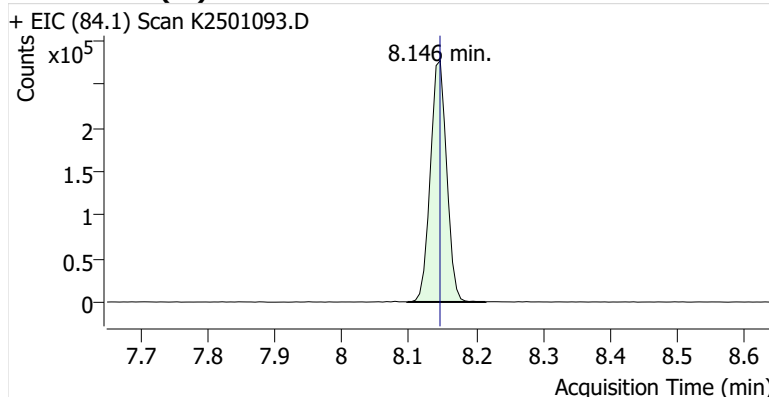
Name PPSP-1-B-20250212
Comment B20215
Data File K2501093.D
Acq. Date-Time 2/28/2025 12:30:21 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

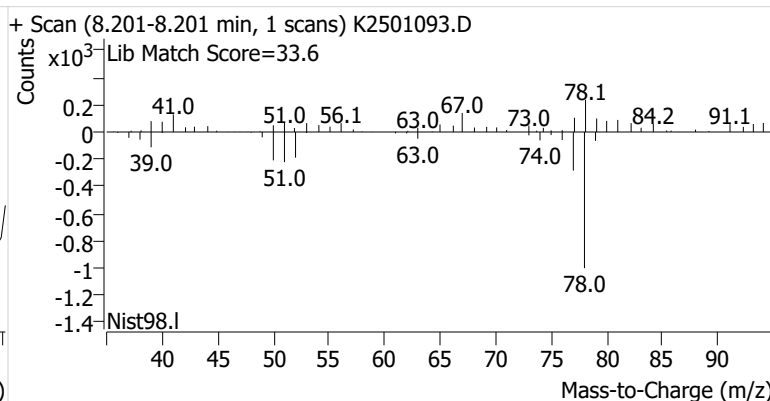
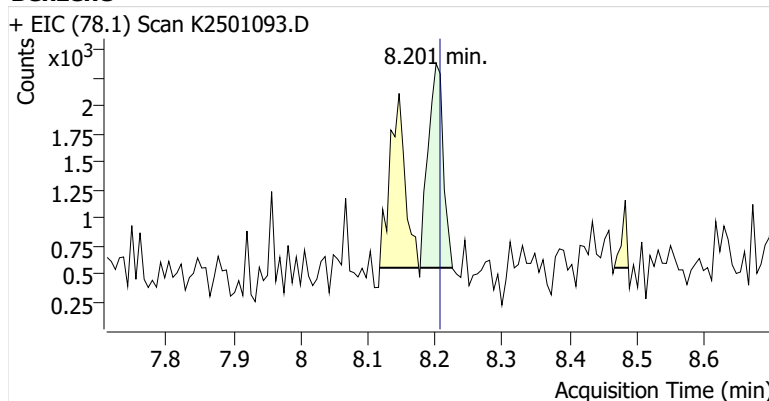


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	467,615	
Benzene	benzene-d6 (IS)	8.201	8.207	2,667	
Toluene-d8 (IS)		10.832	10.838	476,977	
Toluene	Toluene-d8 (IS)	10.930	10.930	3,122	
Ethylbenzene	Toluene-d8 (IS)	13.242	13.114	ND	m
m-/p-Xylene	Toluene-d8 (IS)	13.242	13.291	334	m
o-Xylene	Toluene-d8 (IS)	14.234	13.787	ND	m

benzene-d6 (IS)

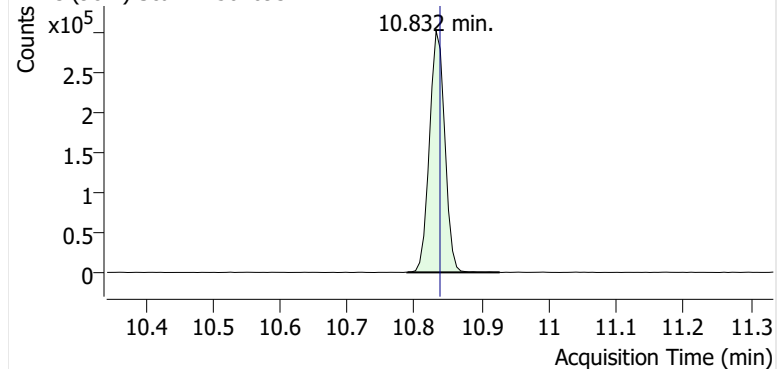


Benzene

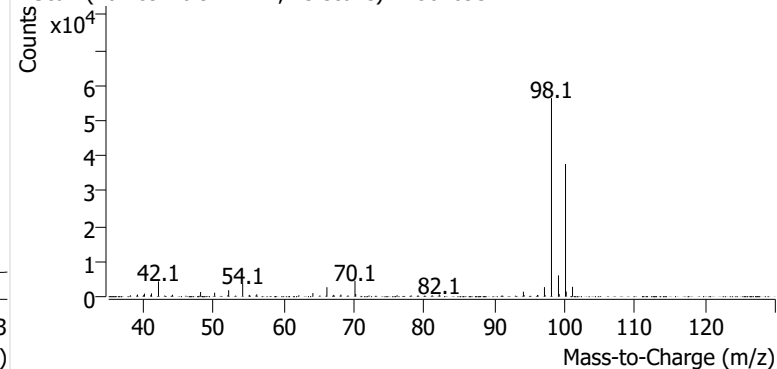


Toluene-d8 (IS)

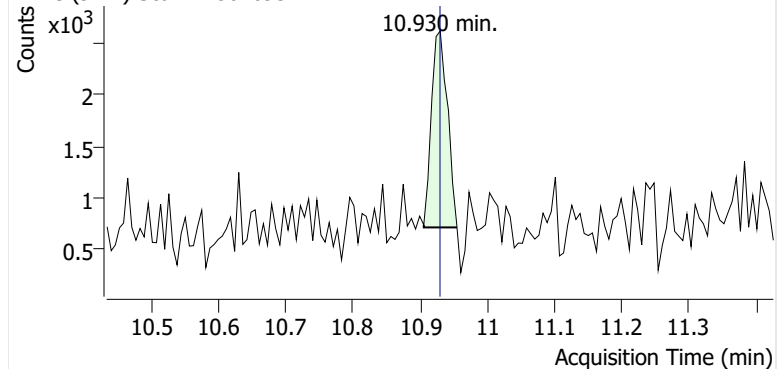
+ EIC (98.1) Scan K2501093.D



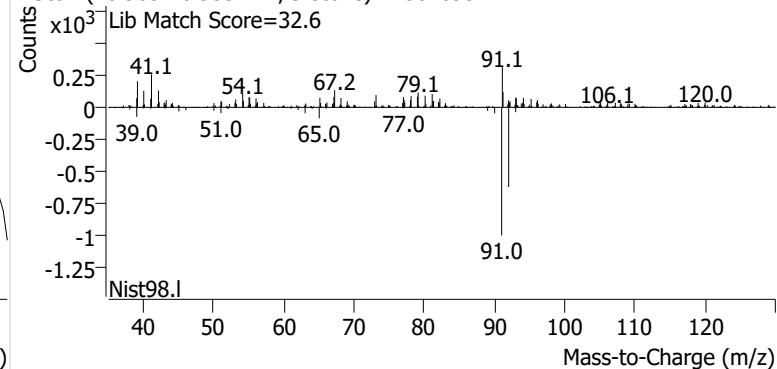
+ Scan (10.789-10.927 min, 23 scans) K2501093.D

**Toluene**

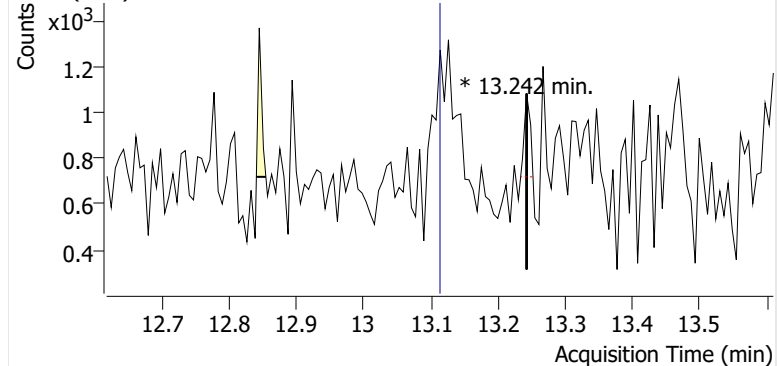
+ EIC (91.1) Scan K2501093.D



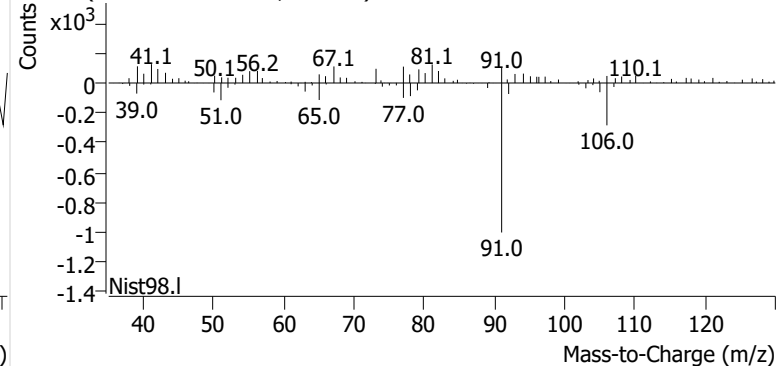
+ Scan (10.905-10.955 min, 9 scans) K2501093.D

**Ethylbenzene**

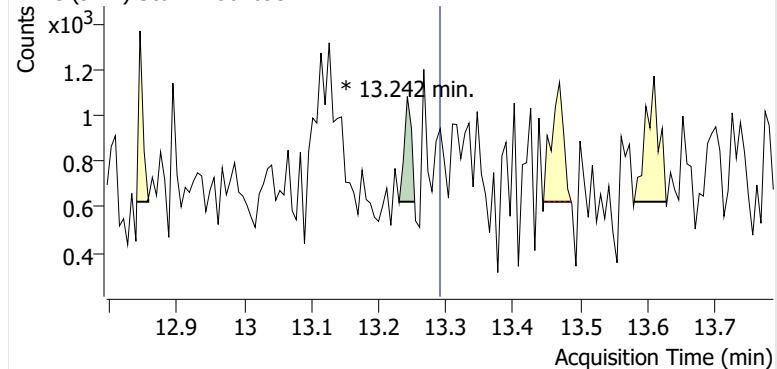
+ EIC (91.1) Scan K2501093.D



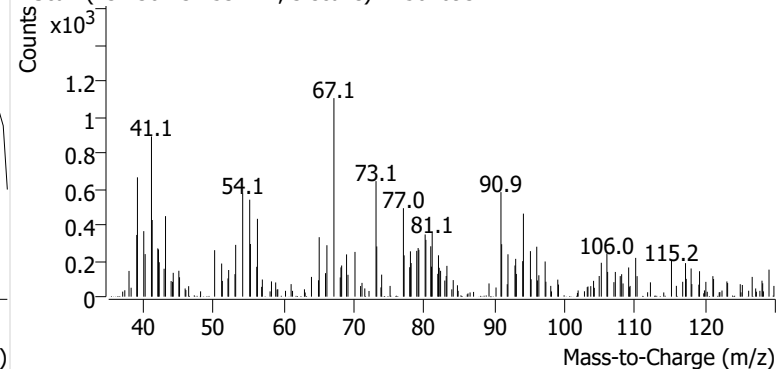
+ Scan (13.242-13.242 min, 1 scans) K2501093.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501093.D

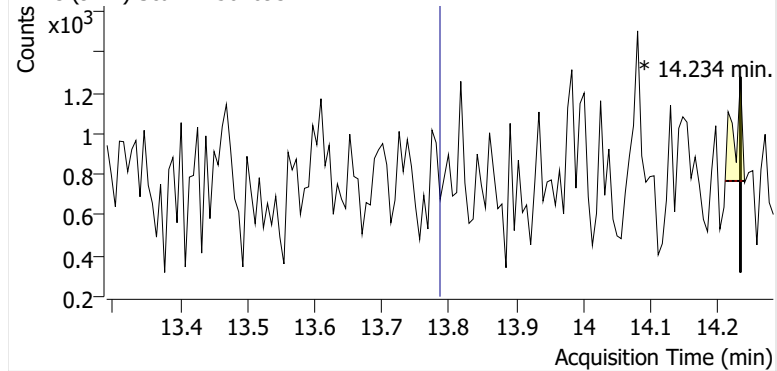


+ Scan (13.230-13.253 min, 3 scans) K2501093.D

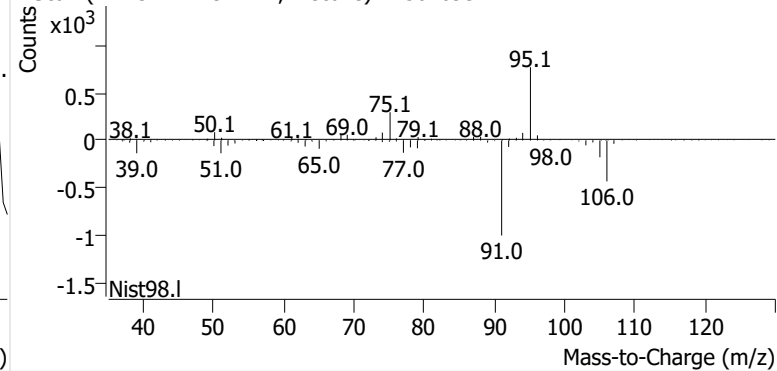


o-Xylene

+ EIC (91.1) Scan K2501093.D

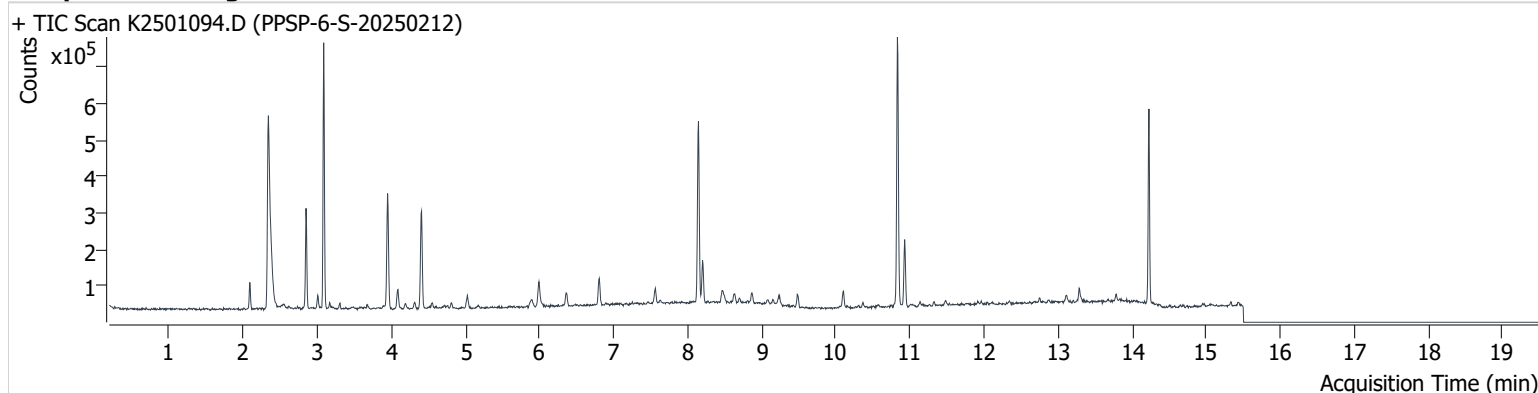


+ Scan (14.234-14.234 min, 1 scans) K2501093.D



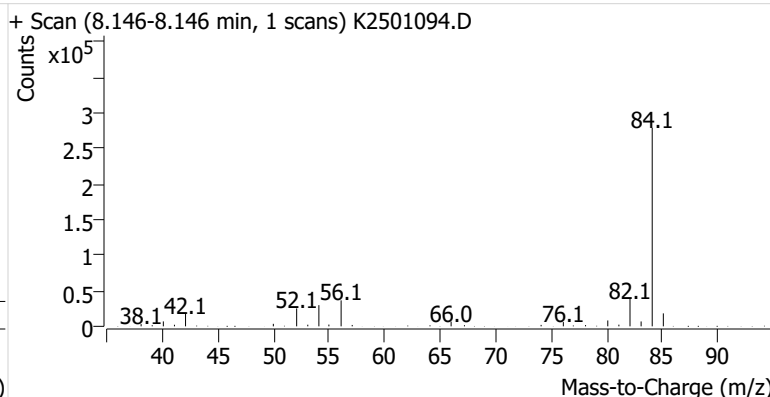
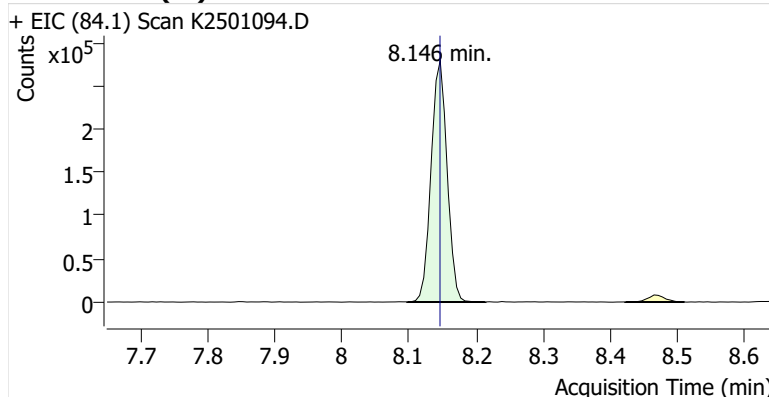
Name PPSP-6-S-20250212
Comment B43039
Data File K2501094.D
Acq. Date-Time 2/28/2025 12:57:51 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

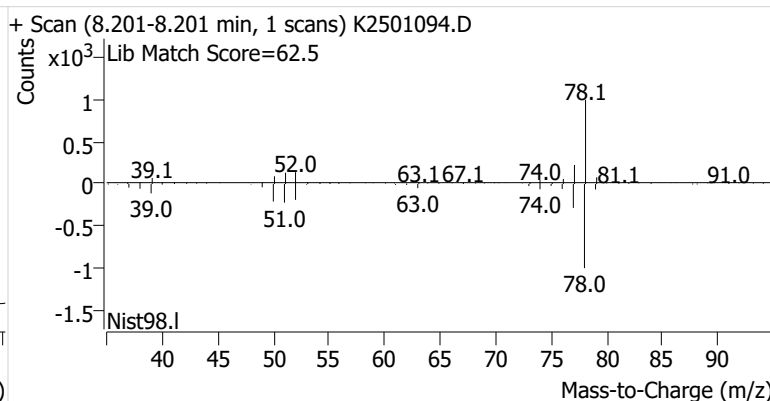
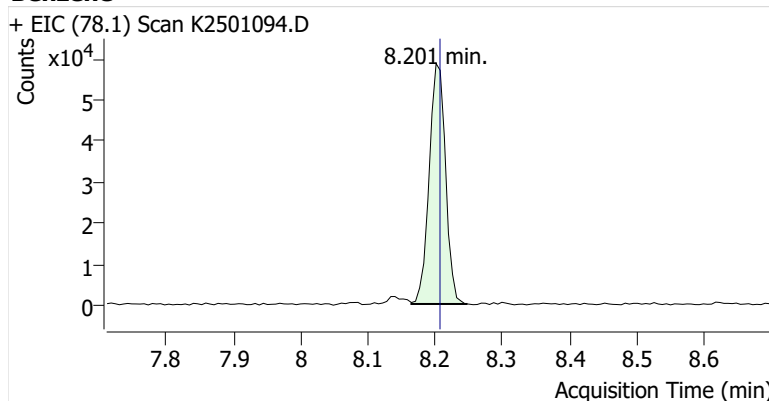


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	461,933	
Benzene	benzene-d6 (IS)	8.201	8.207	98,368	
Toluene-d8 (IS)		10.832	10.838	488,230	
Toluene	Toluene-d8 (IS)	10.930	10.930	121,292	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	14,125	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	24,856	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	8,949	

benzene-d6 (IS)

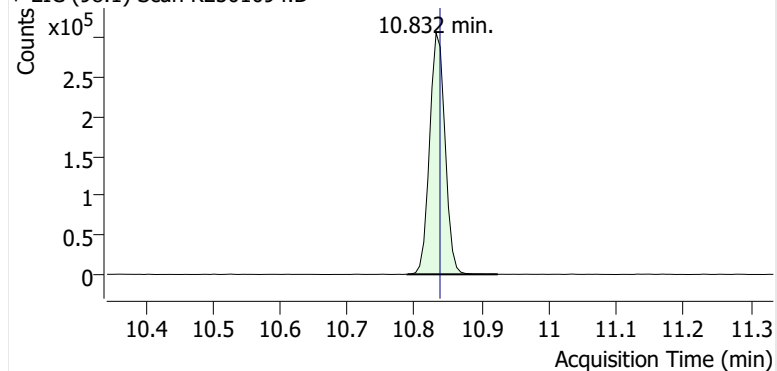


Benzene

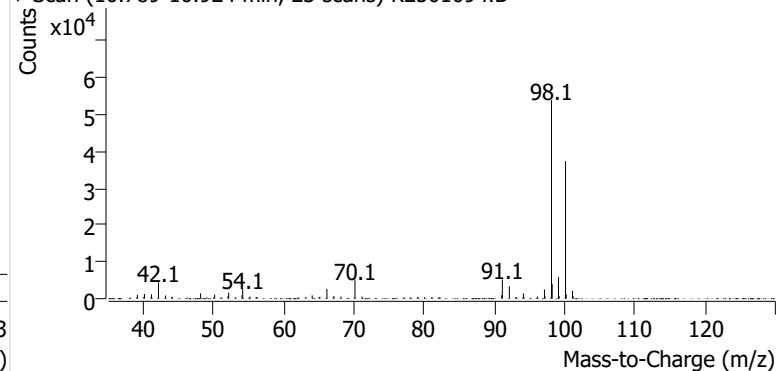


Toluene-d8 (IS)

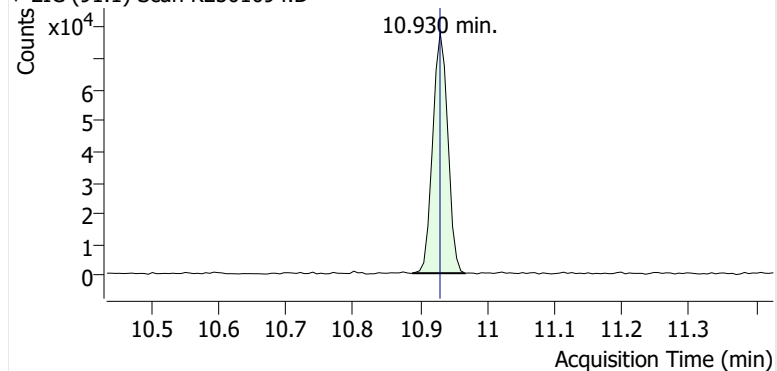
+ EIC (98.1) Scan K2501094.D



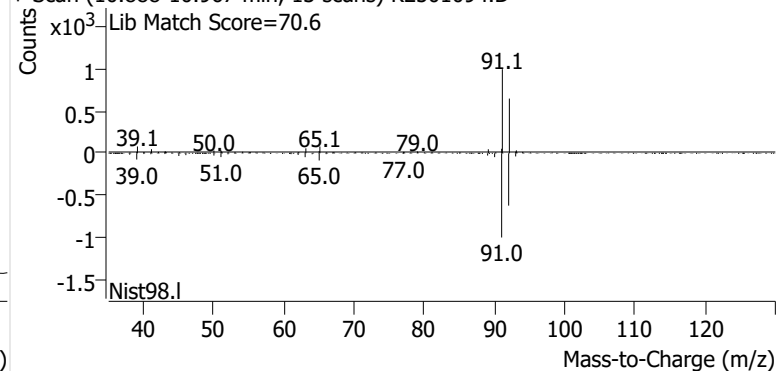
+ Scan (10.789-10.924 min, 23 scans) K2501094.D

**Toluene**

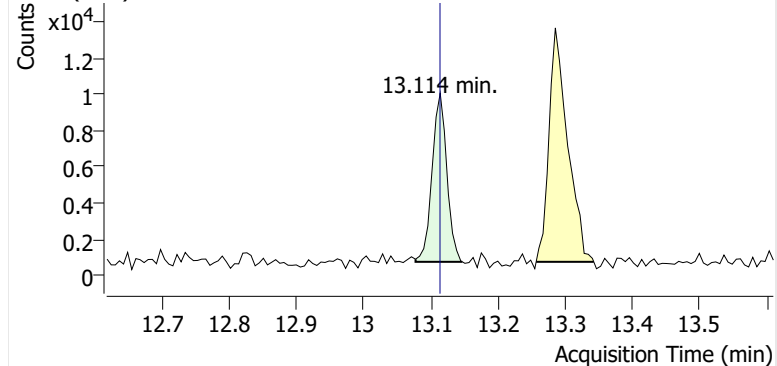
+ EIC (91.1) Scan K2501094.D



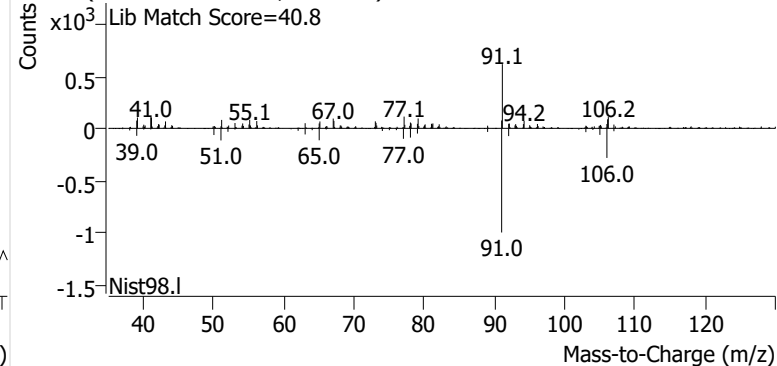
+ Scan (10.888-10.967 min, 13 scans) K2501094.D

**Ethylbenzene**

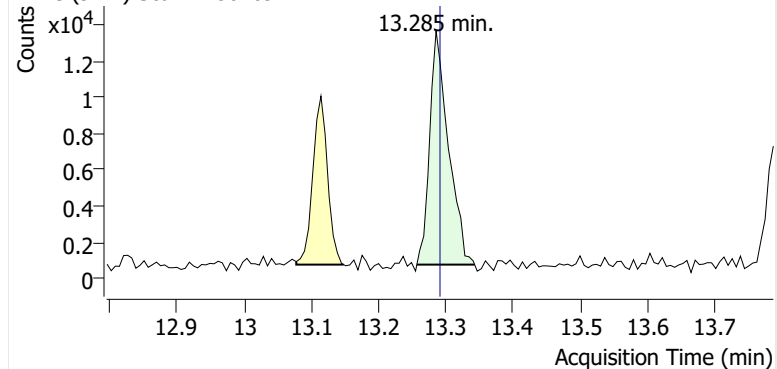
+ EIC (91.1) Scan K2501094.D



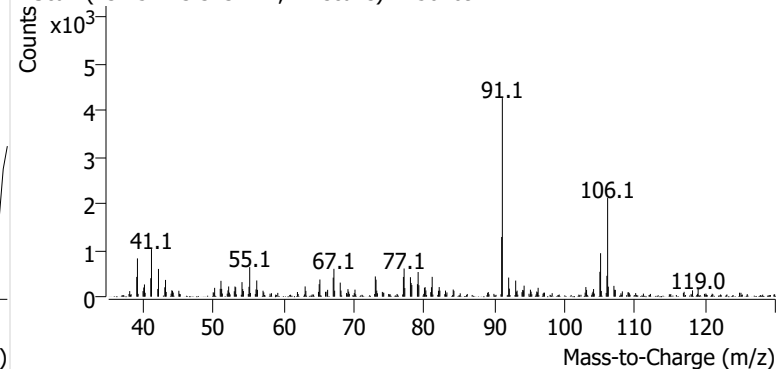
+ Scan (13.077-13.147 min, 12 scans) K2501094.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501094.D

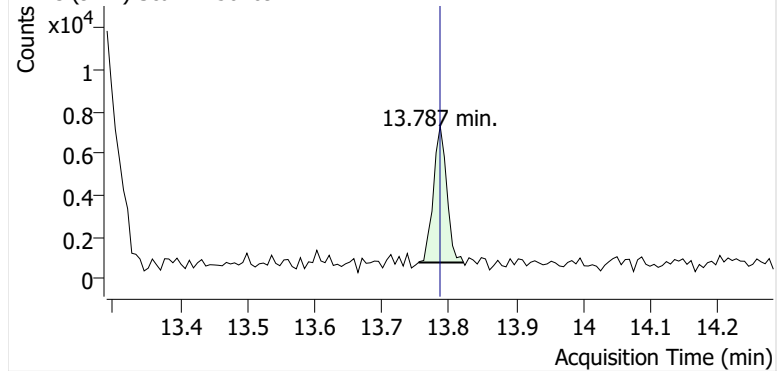


+ Scan (13.257-13.343 min, 14 scans) K2501094.D

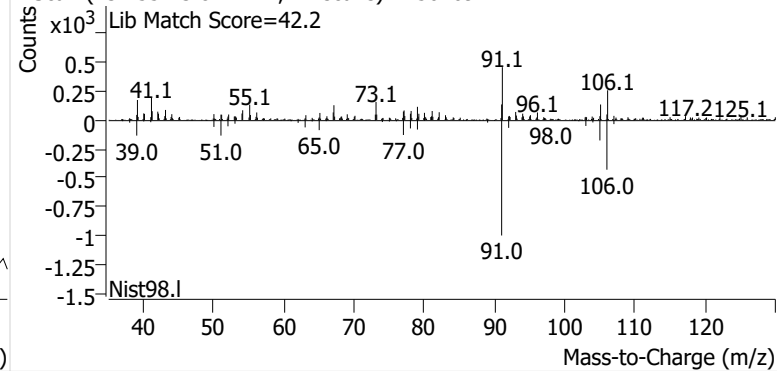


o-Xylene

+ EIC (91.1) Scan K2501094.D

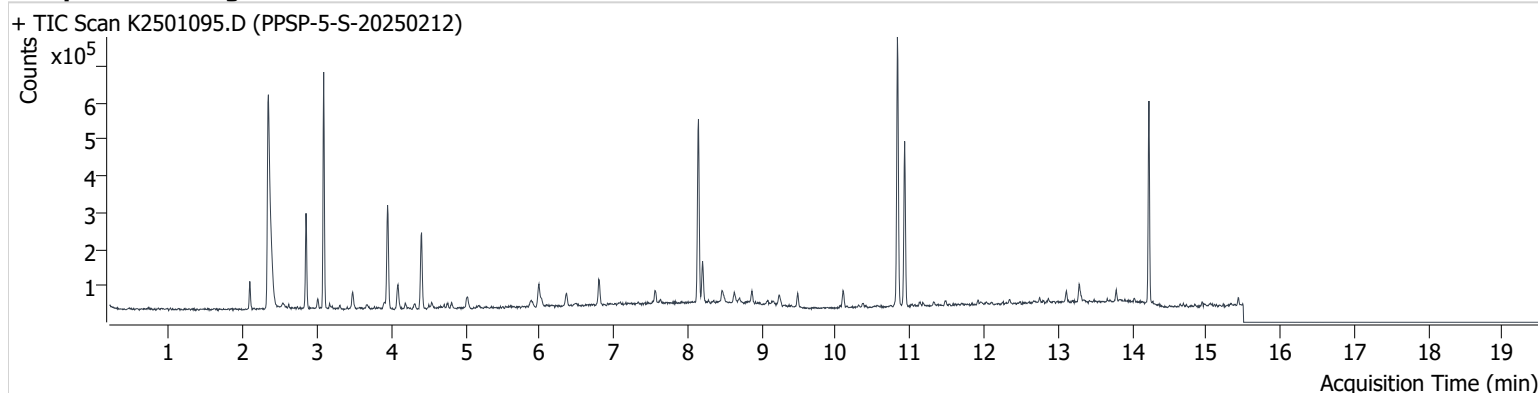


+ Scan (13.755-13.822 min, 11 scans) K2501094.D



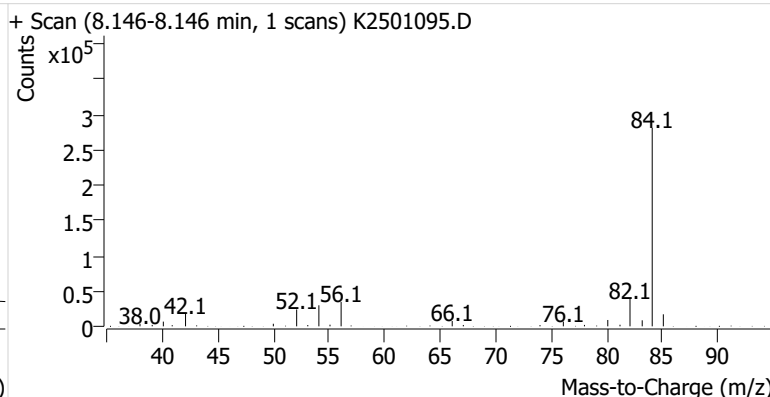
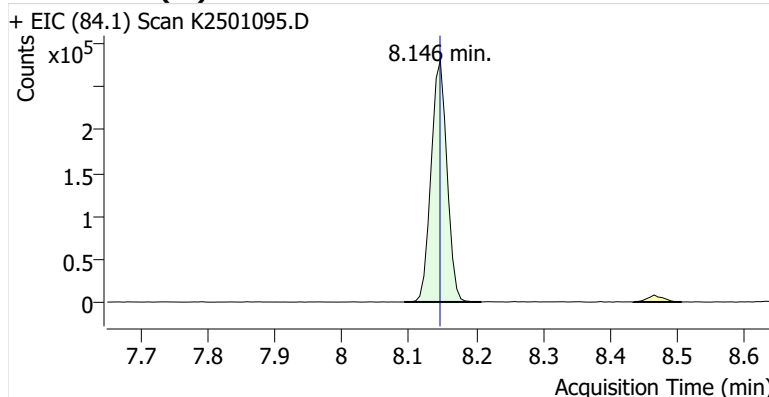
Name PPSP-5-S-20250212
Comment B27175
Data File K2501095.D
Acq. Date-Time 2/28/2025 1:25:26 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

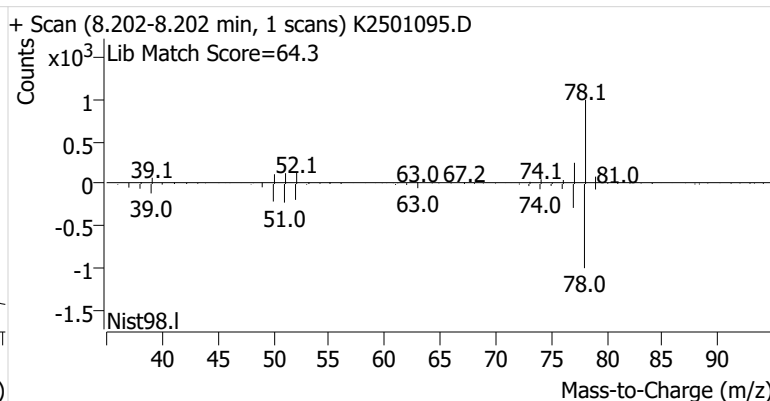
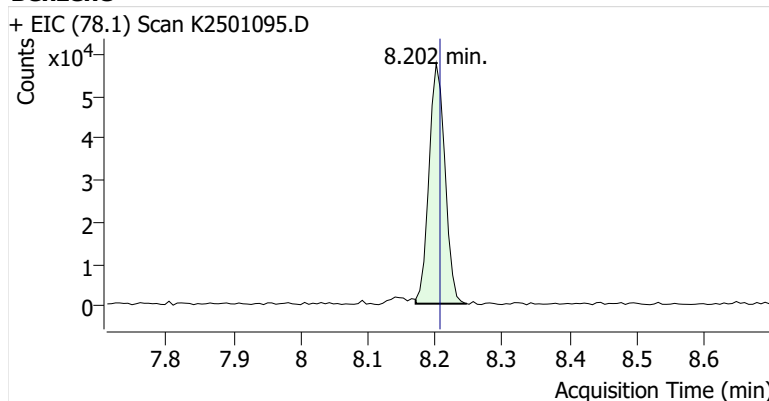


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	461,497	
Benzene	benzene-d6 (IS)	8.202	8.207	94,347	
Toluene-d8 (IS)		10.832	10.838	476,403	
Toluene	Toluene-d8 (IS)	10.930	10.930	301,042	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	18,713	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	33,511	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	13,697	

benzene-d6 (IS)

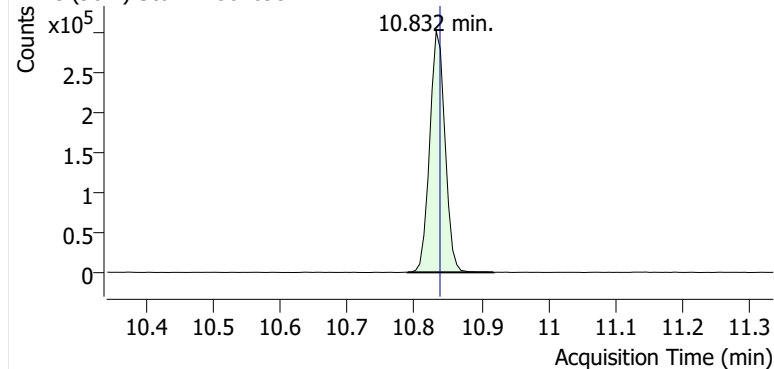


Benzene

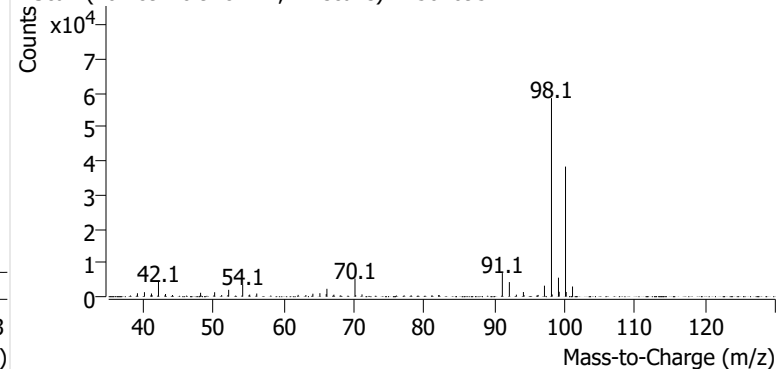


Toluene-d8 (IS)

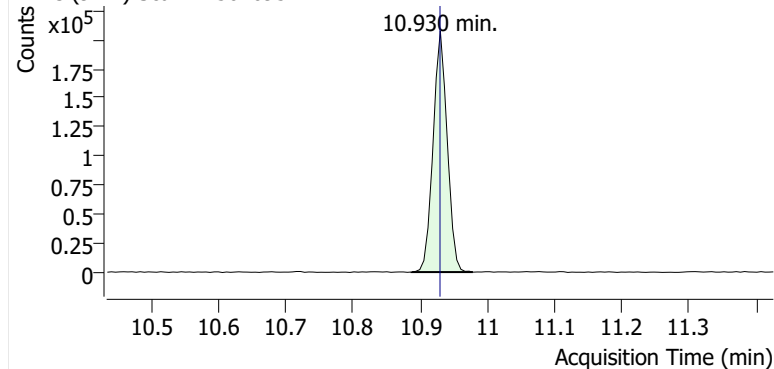
+ EIC (98.1) Scan K2501095.D



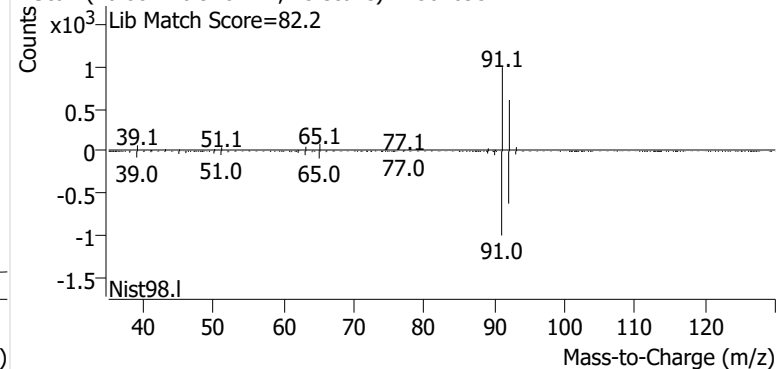
+ Scan (10.789-10.918 min, 22 scans) K2501095.D

**Toluene**

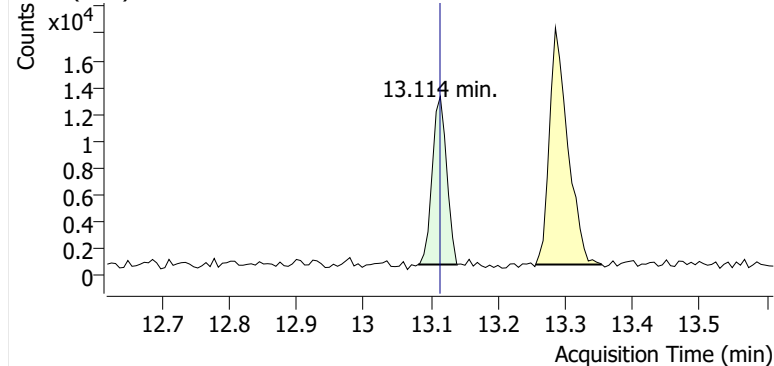
+ EIC (91.1) Scan K2501095.D



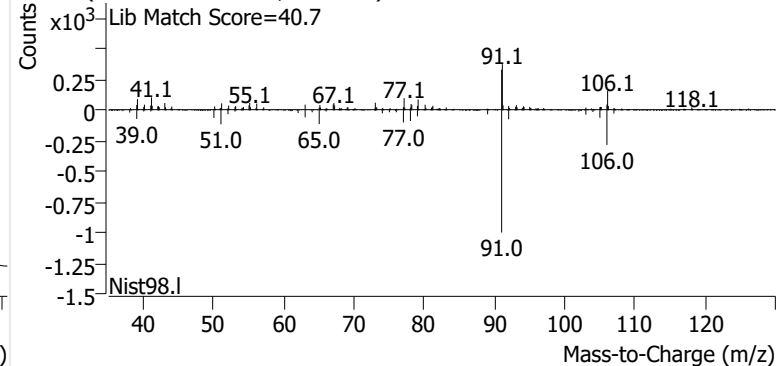
+ Scan (10.887-10.978 min, 15 scans) K2501095.D

**Ethylbenzene**

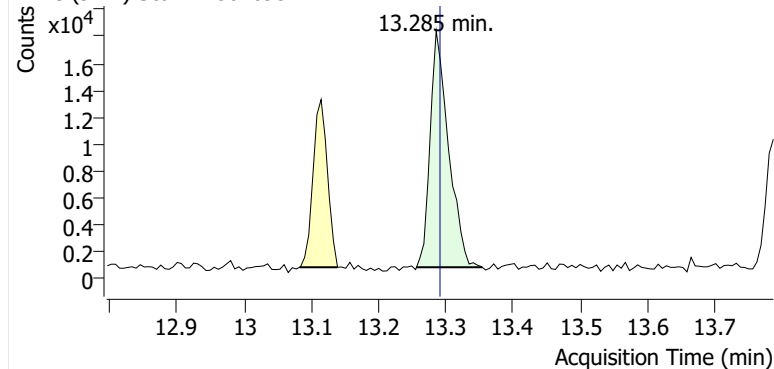
+ EIC (91.1) Scan K2501095.D



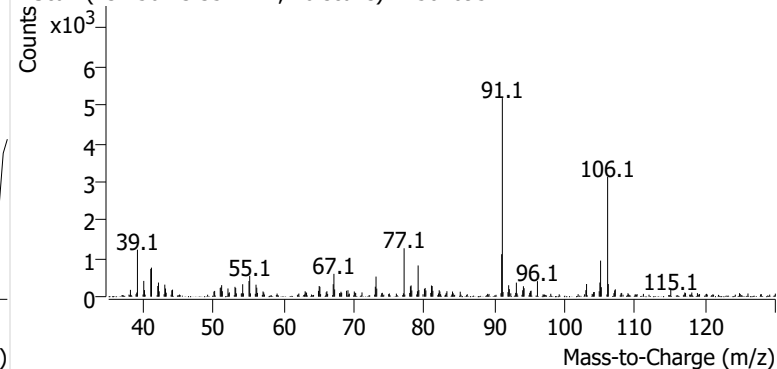
+ Scan (13.081-13.139 min, 10 scans) K2501095.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501095.D

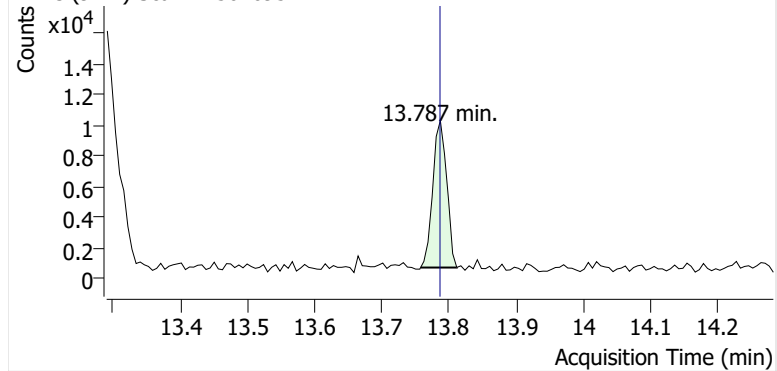


+ Scan (13.256-13.354 min, 16 scans) K2501095.D

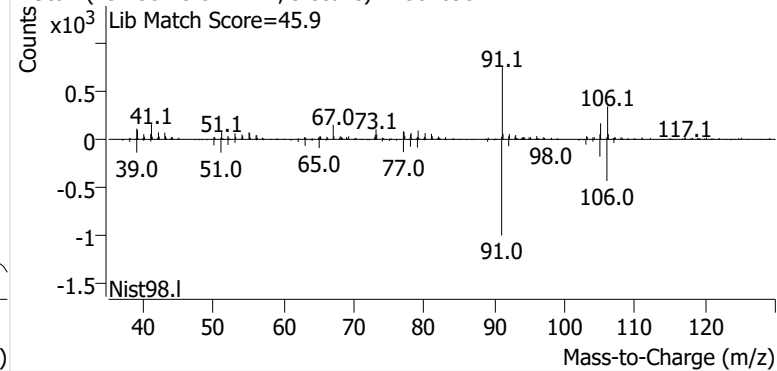


o-Xylene

+ EIC (91.1) Scan K2501095.D

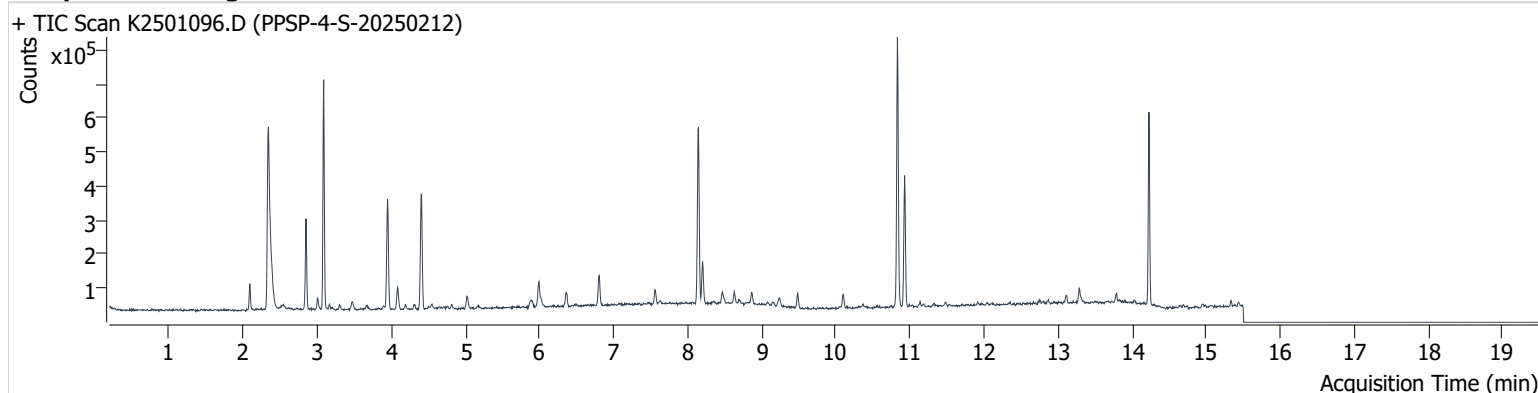


+ Scan (13.758-13.812 min, 9 scans) K2501095.D



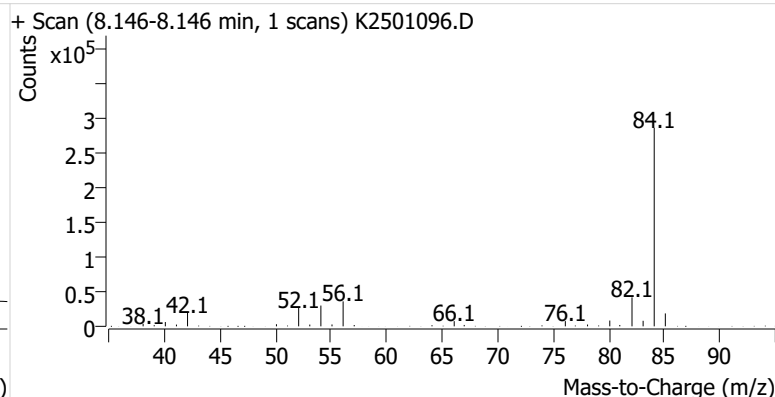
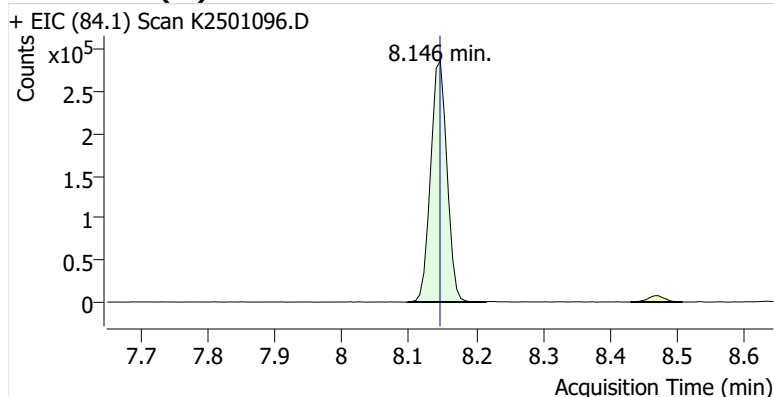
Name PPSP-4-S-20250212
Comment C01887
Data File K2501096.D
Acq. Date-Time 2/28/2025 1:53:03 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

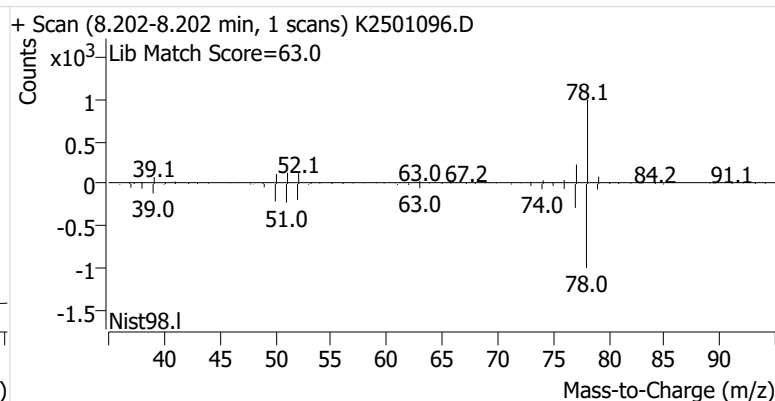
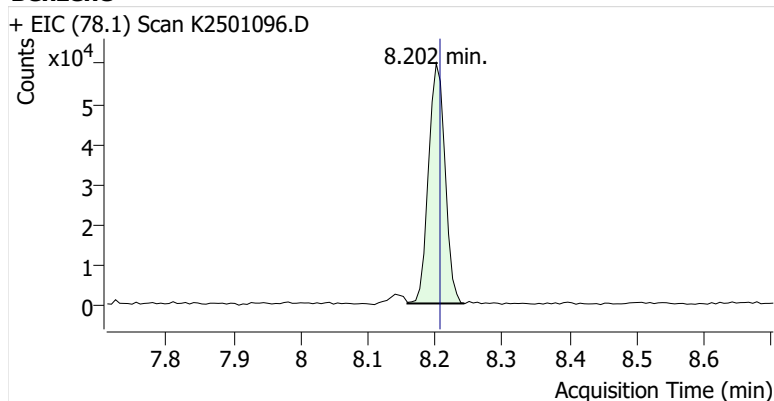


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	483,987	
Benzene	benzene-d6 (IS)	8.202	8.207	101,541	
Toluene-d8 (IS)		10.832	10.838	495,443	
Toluene	Toluene-d8 (IS)	10.930	10.930	266,057	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	15,724	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	28,714	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	11,893	

benzene-d6 (IS)

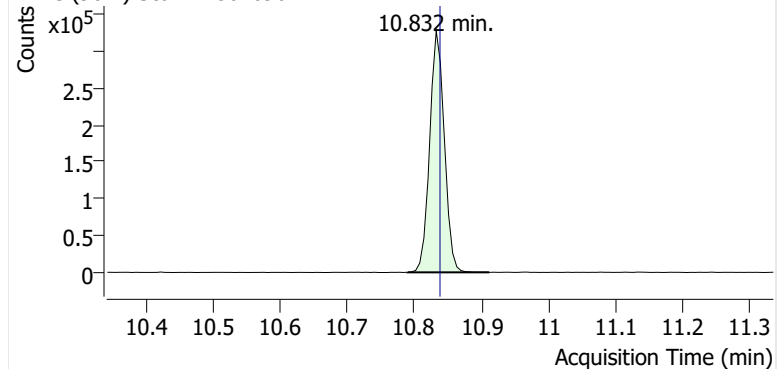


Benzene

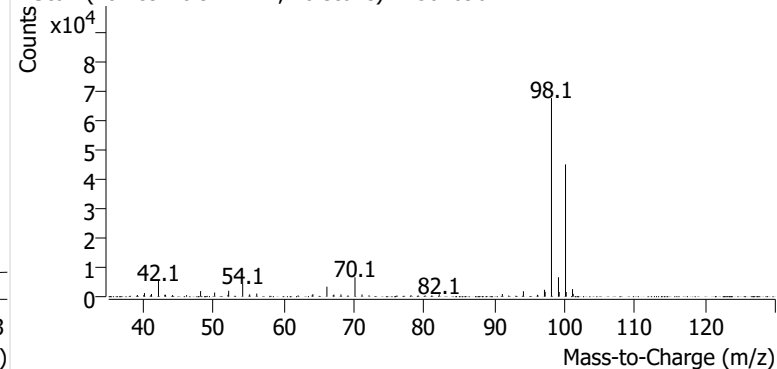


Toluene-d8 (IS)

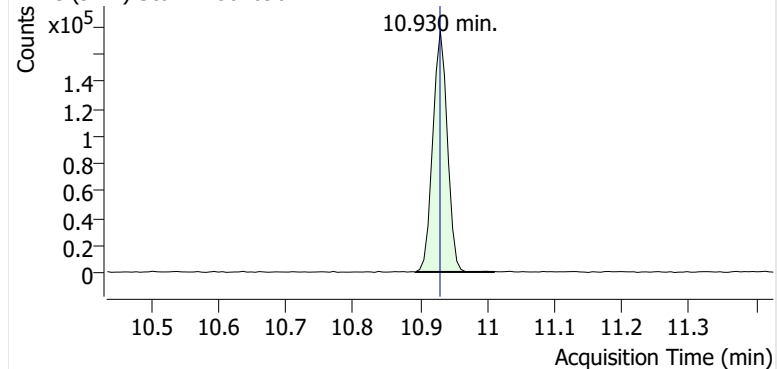
+ EIC (98.1) Scan K2501096.D



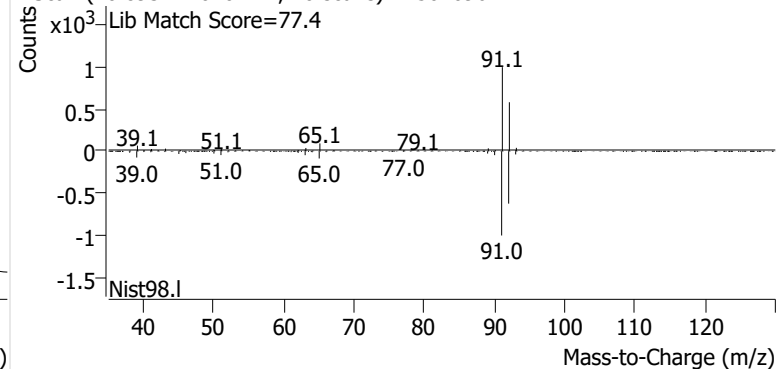
+ Scan (10.789-10.911 min, 20 scans) K2501096.D

**Toluene**

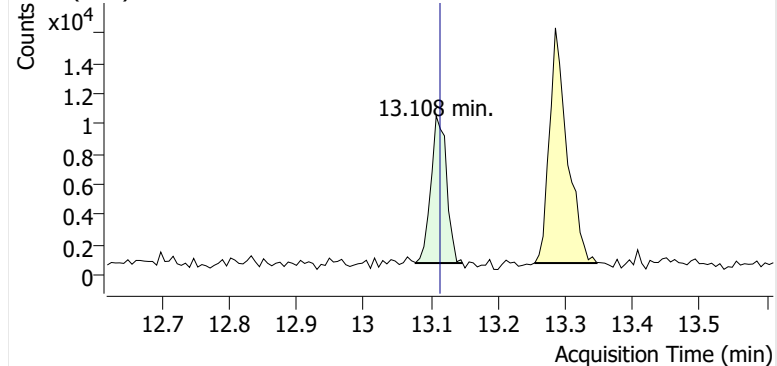
+ EIC (91.1) Scan K2501096.D



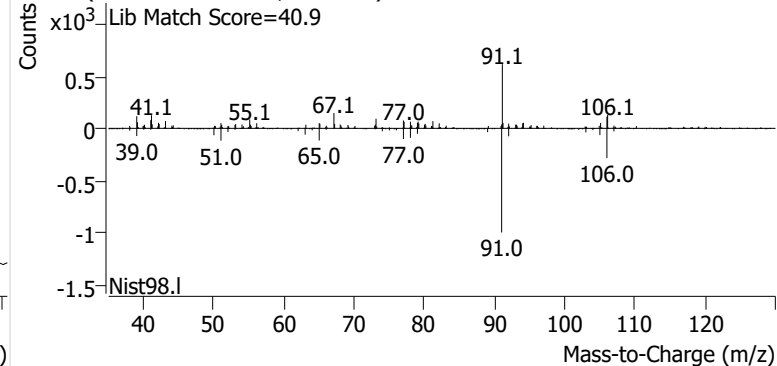
+ Scan (10.893-11.010 min, 20 scans) K2501096.D

**Ethylbenzene**

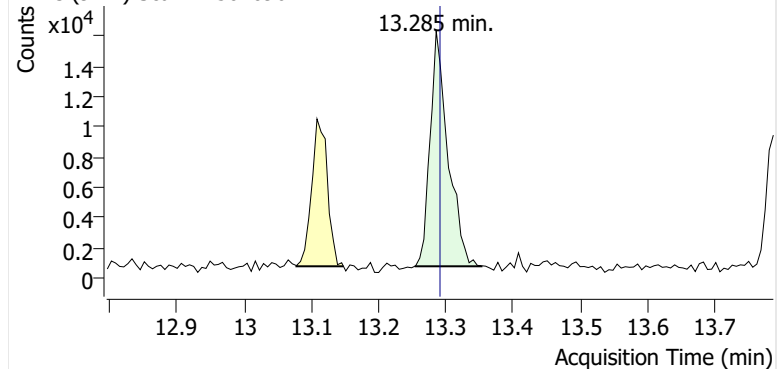
+ EIC (91.1) Scan K2501096.D



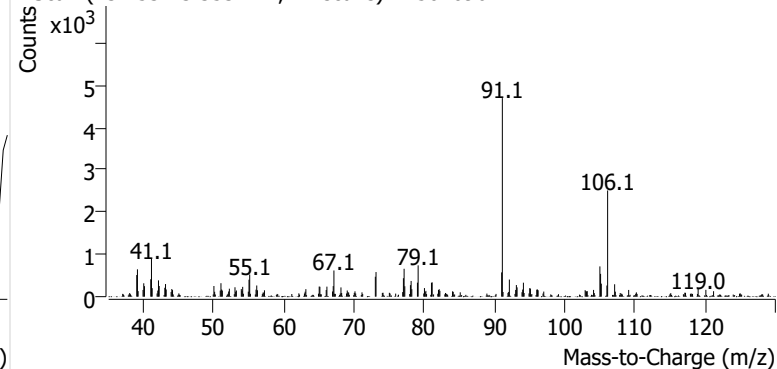
+ Scan (13.077-13.147 min, 12 scans) K2501096.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501096.D

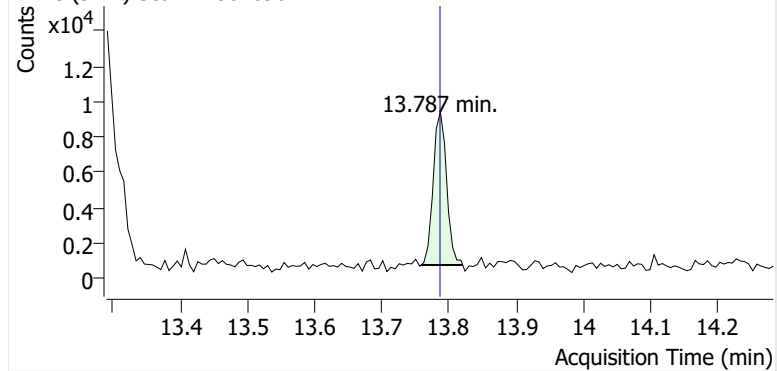


+ Scan (13.253-13.353 min, 17 scans) K2501096.D

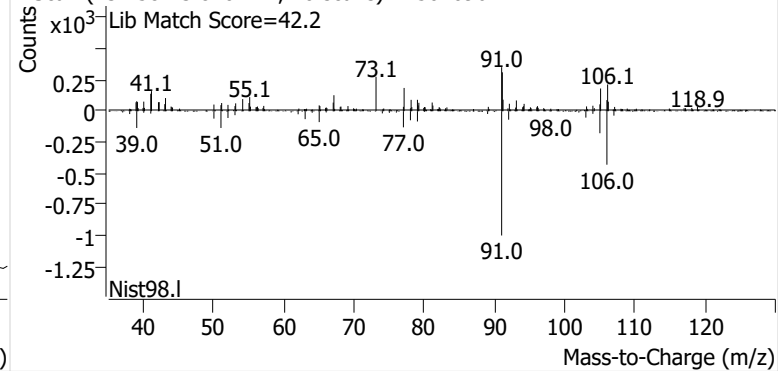


o-Xylene

+ EIC (91.1) Scan K2501096.D

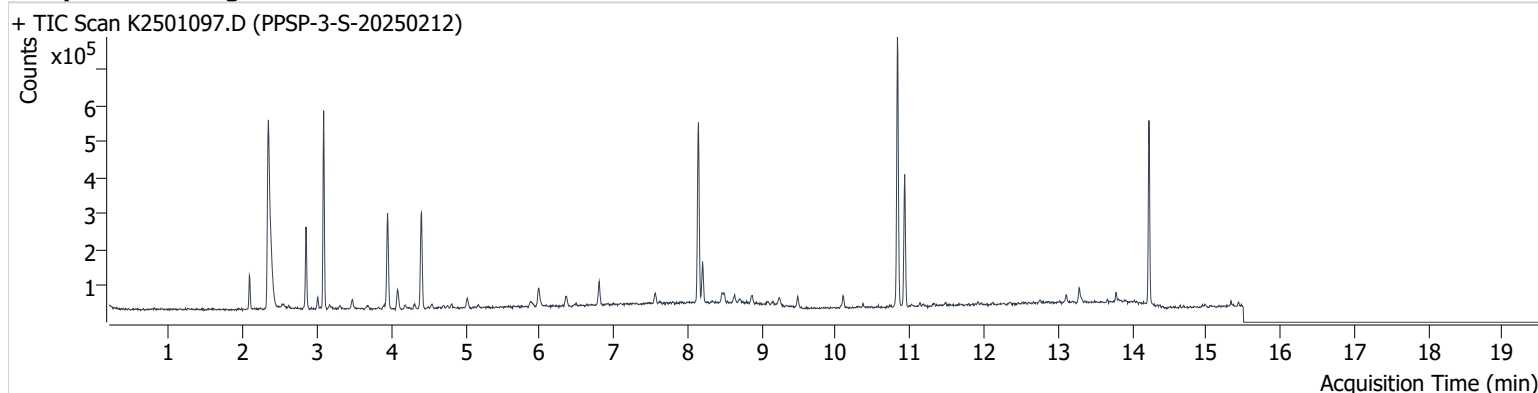


+ Scan (13.758-13.820 min, 10 scans) K2501096.D



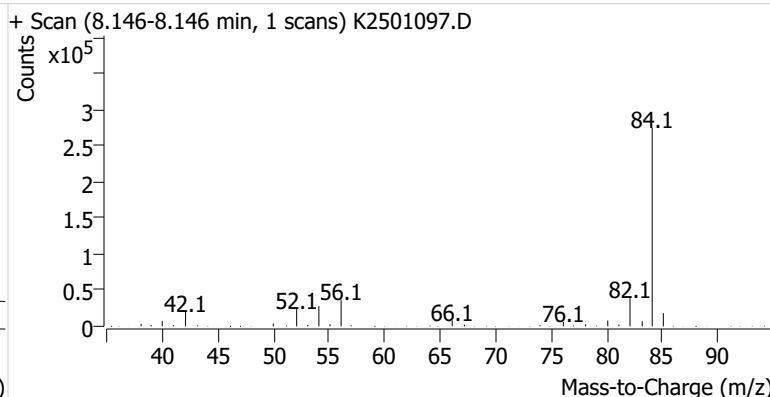
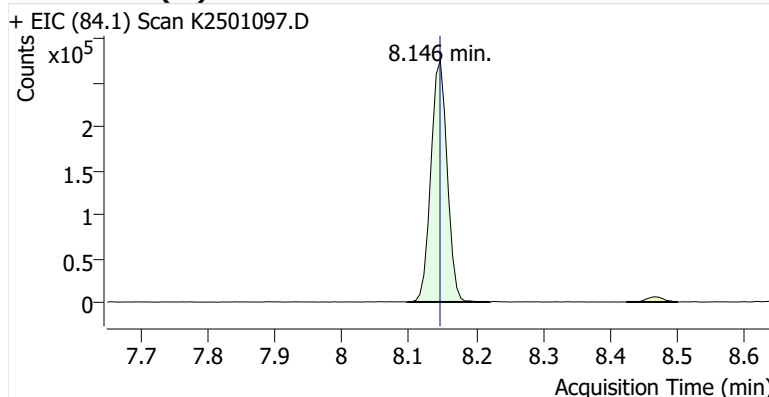
Name PPSP-3-S-20250212
Comment B40269
Data File K2501097.D
Acq. Date-Time 2/28/2025 2:20:36 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

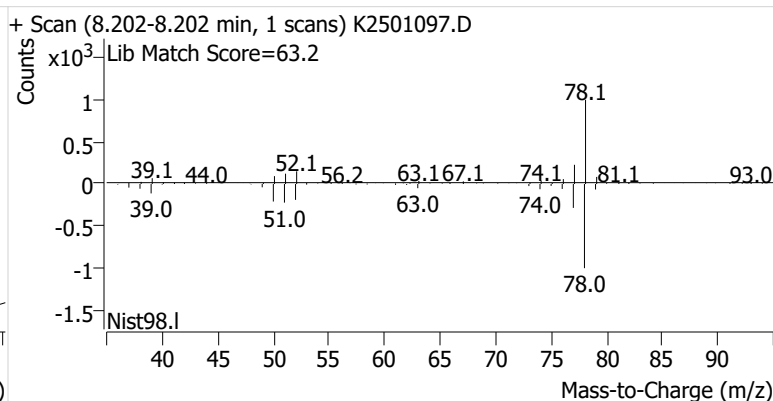
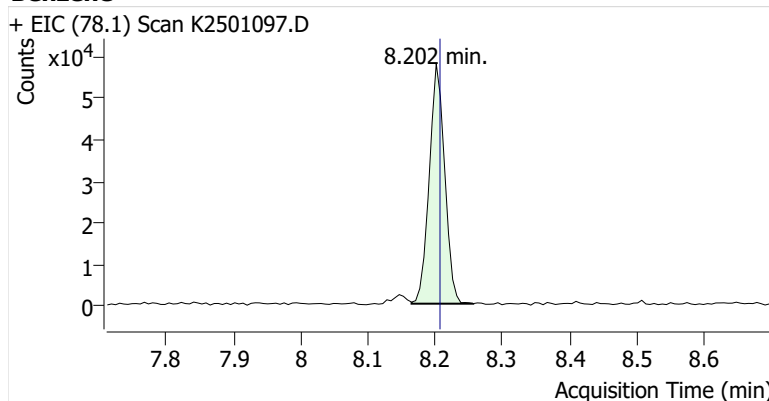


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	463,436	
Benzene	benzene-d6 (IS)	8.202	8.207	91,996	
Toluene-d8 (IS)		10.832	10.838	481,338	
Toluene	Toluene-d8 (IS)	10.930	10.930	247,033	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	14,851	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	27,279	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	12,364	

benzene-d6 (IS)

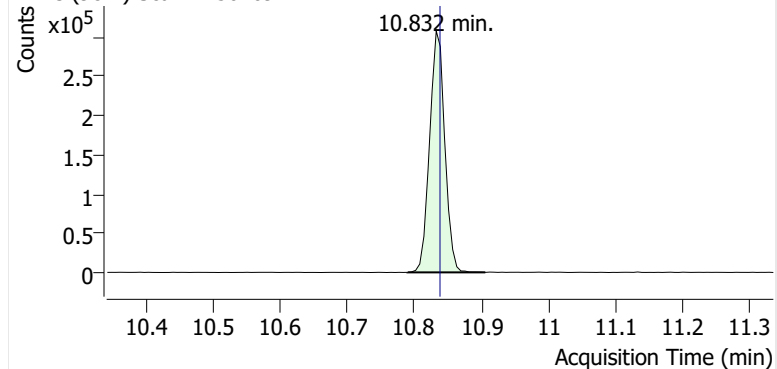


Benzene

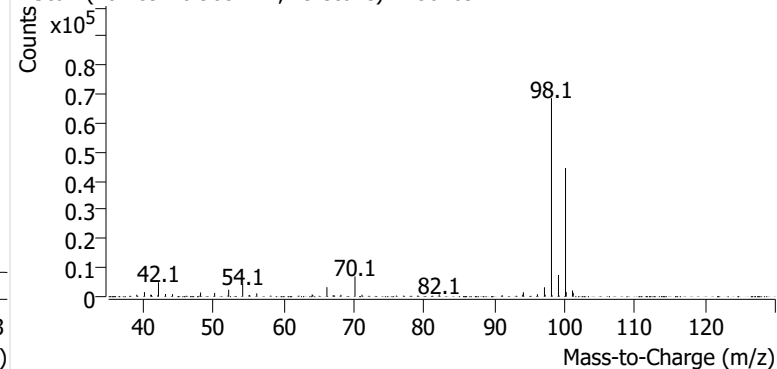


Toluene-d8 (IS)

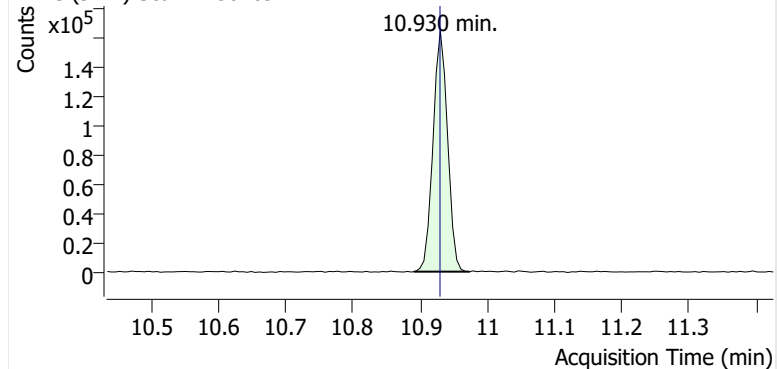
+ EIC (98.1) Scan K2501097.D



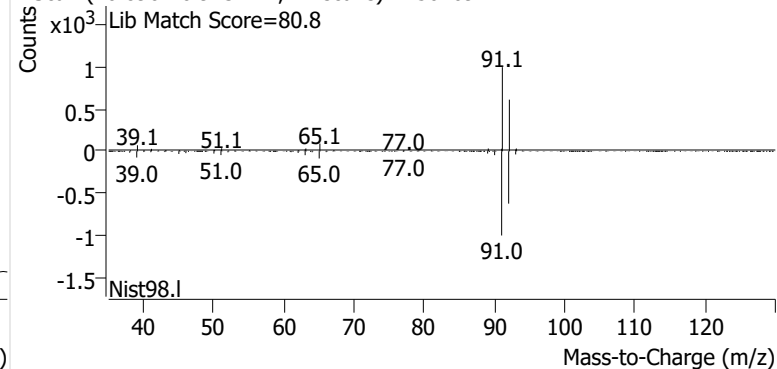
+ Scan (10.789-10.905 min, 19 scans) K2501097.D

**Toluene**

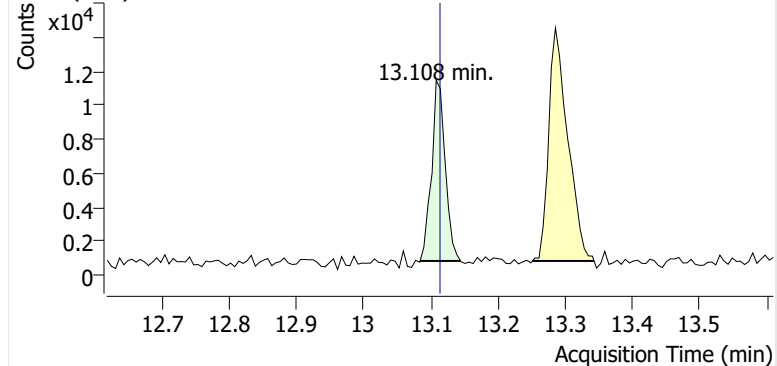
+ EIC (91.1) Scan K2501097.D



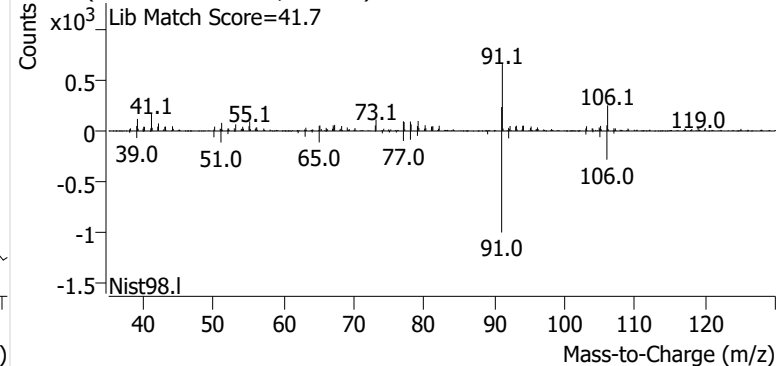
+ Scan (10.890-10.973 min, 14 scans) K2501097.D

**Ethylbenzene**

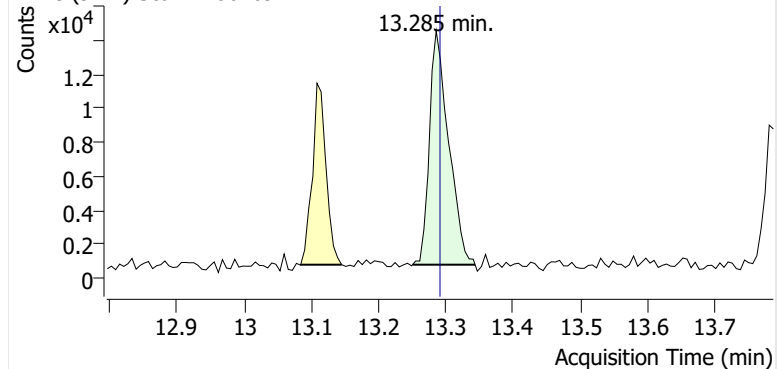
+ EIC (91.1) Scan K2501097.D



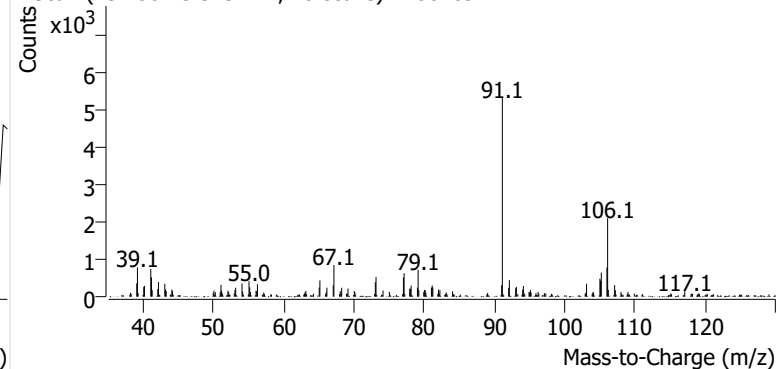
+ Scan (13.084-13.144 min, 9 scans) K2501097.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501097.D

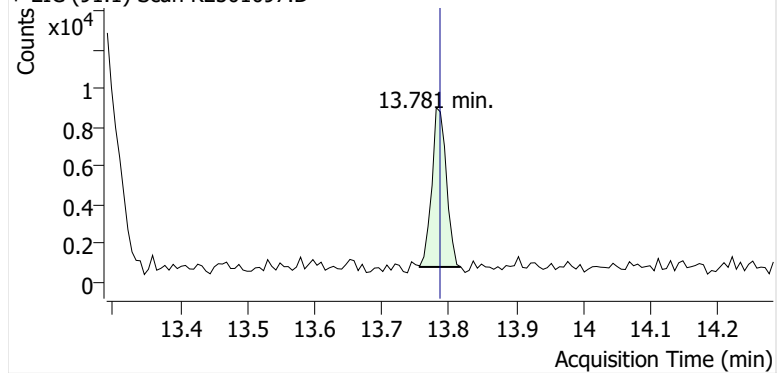


+ Scan (13.250-13.343 min, 15 scans) K2501097.D

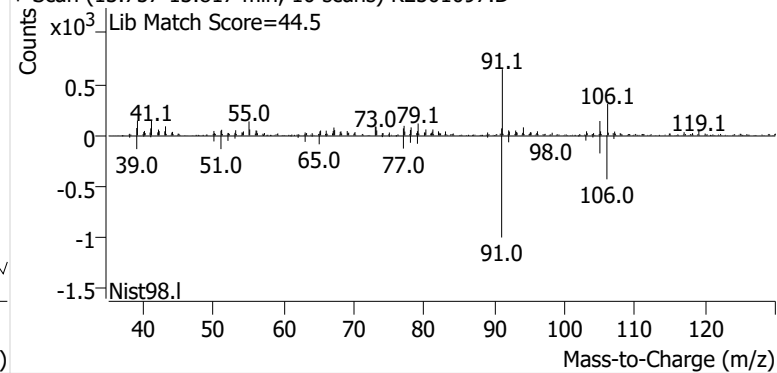


o-Xylene

+ EIC (91.1) Scan K2501097.D

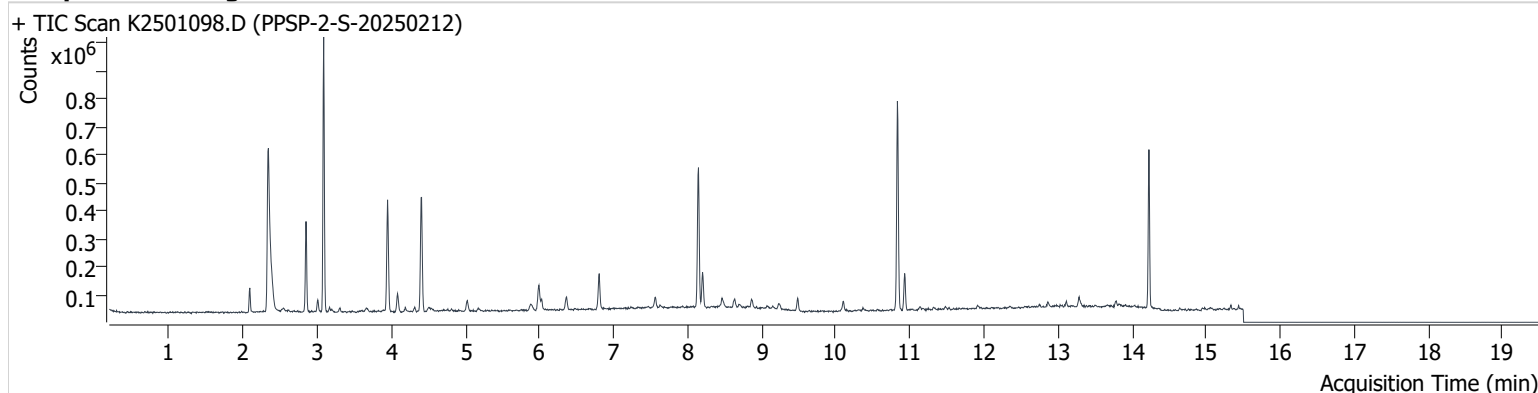


+ Scan (13.757-13.817 min, 10 scans) K2501097.D



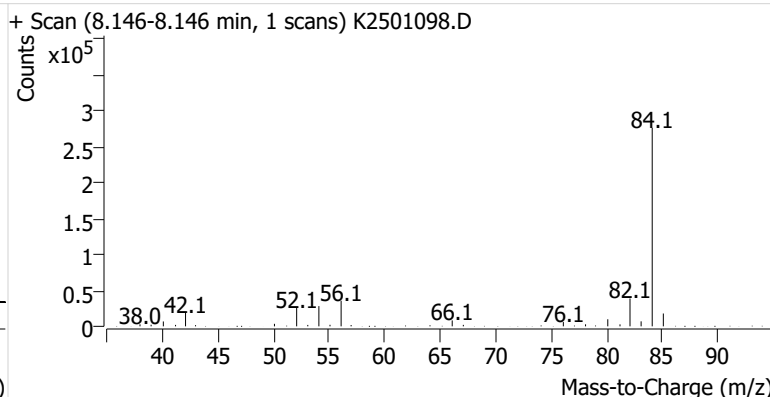
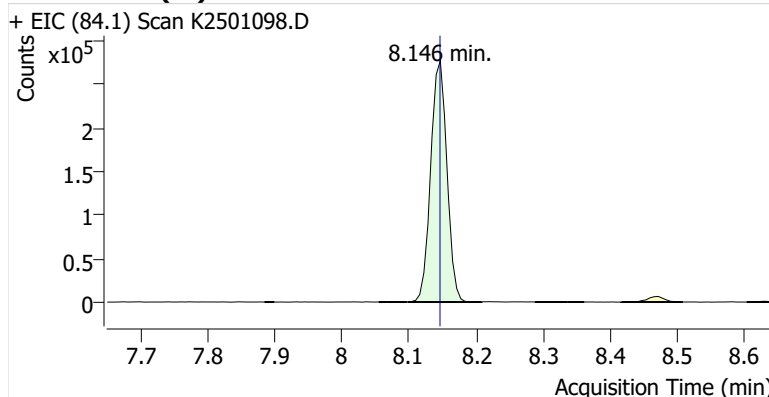
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Comment C34137
Data File K2501098.D
Acq. Date-Time 2/28/2025 2:48:12 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

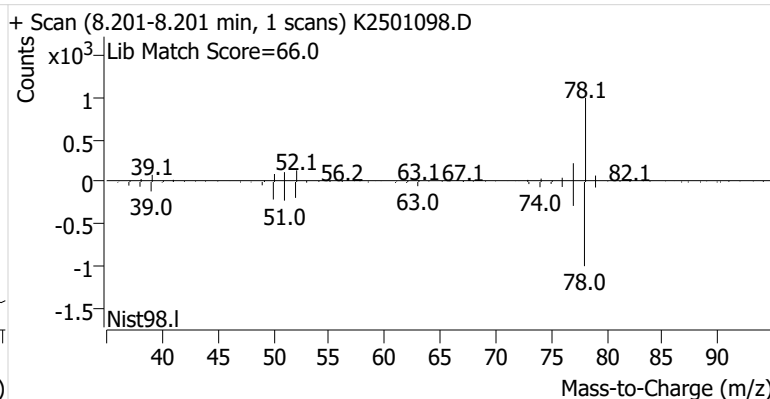
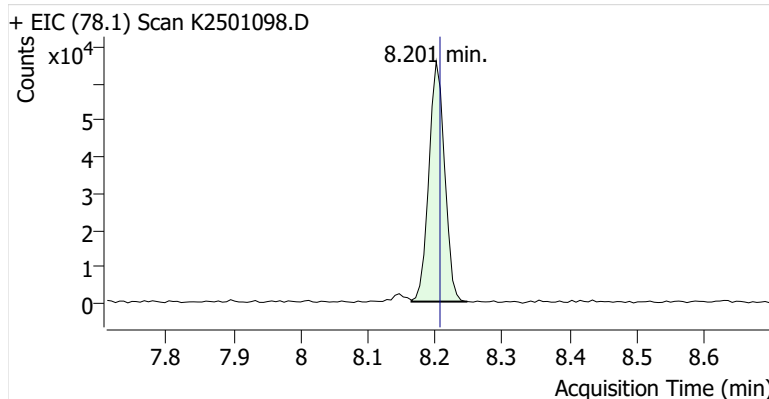


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	463,724	
Benzene	benzene-d6 (IS)	8.201	8.207	106,544	
Toluene-d8 (IS)		10.832	10.838	480,242	
Toluene	Toluene-d8 (IS)	10.930	10.930	86,423	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	11,829	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	22,339	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	7,448	

benzene-d6 (IS)

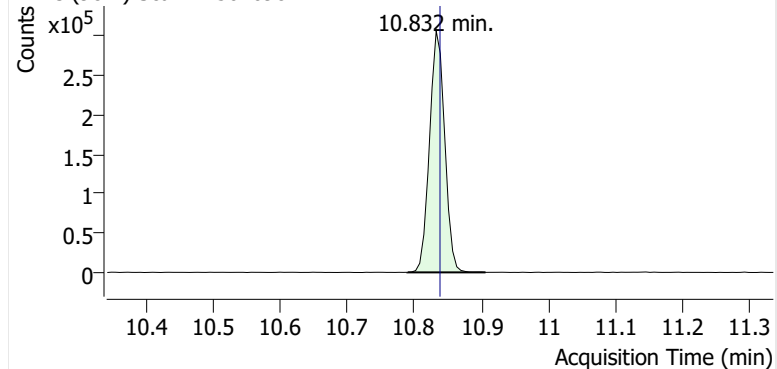


Benzene

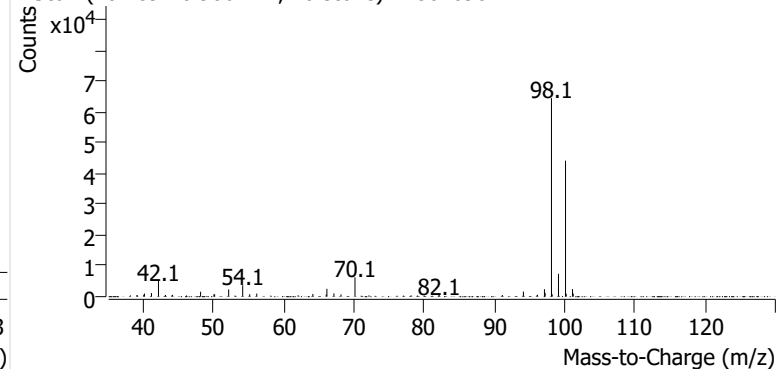


Toluene-d8 (IS)

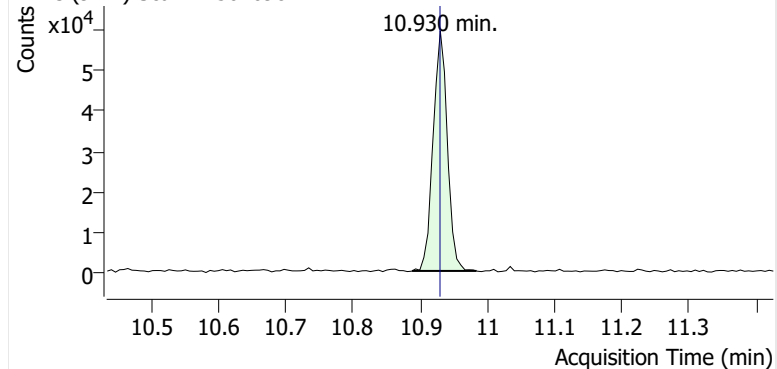
+ EIC (98.1) Scan K2501098.D



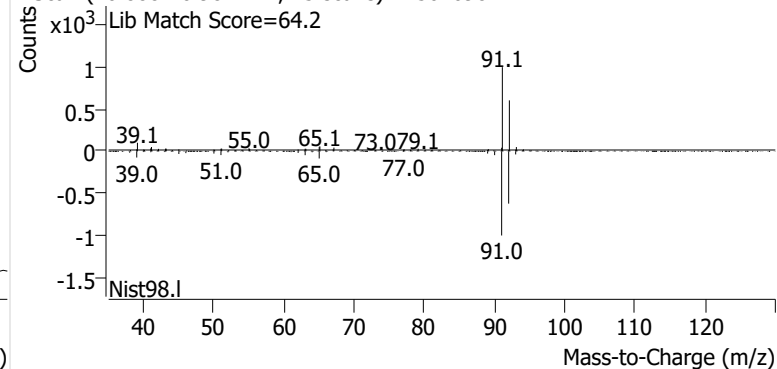
+ Scan (10.789-10.906 min, 20 scans) K2501098.D

**Toluene**

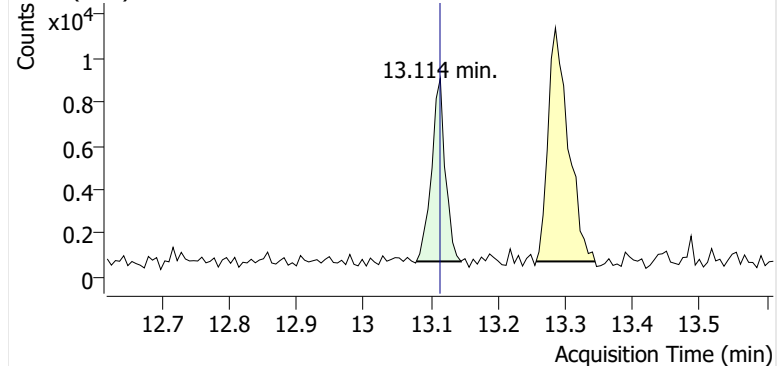
+ EIC (91.1) Scan K2501098.D



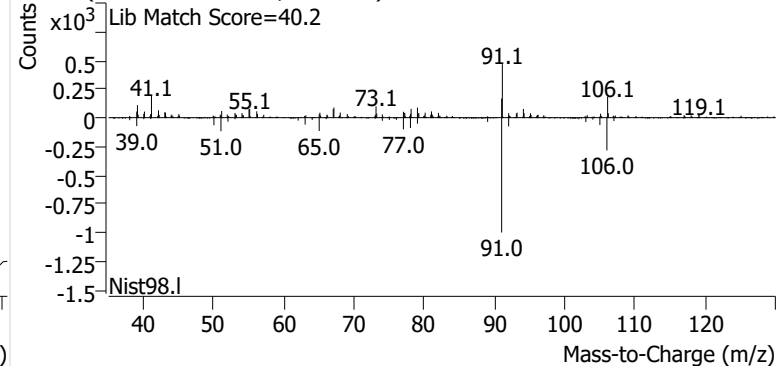
+ Scan (10.888-10.984 min, 15 scans) K2501098.D

**Ethylbenzene**

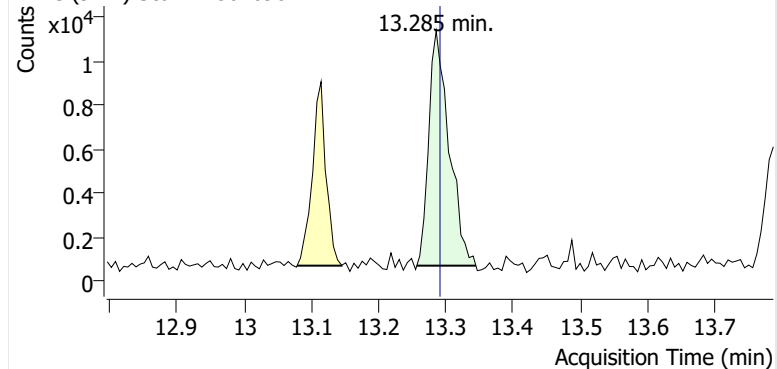
+ EIC (91.1) Scan K2501098.D



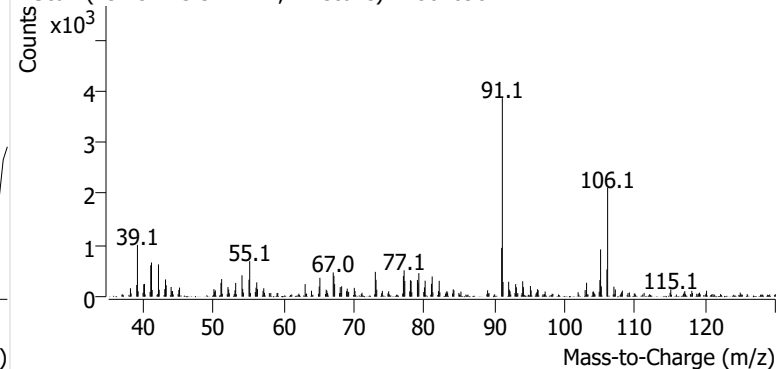
+ Scan (13.078-13.145 min, 11 scans) K2501098.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501098.D

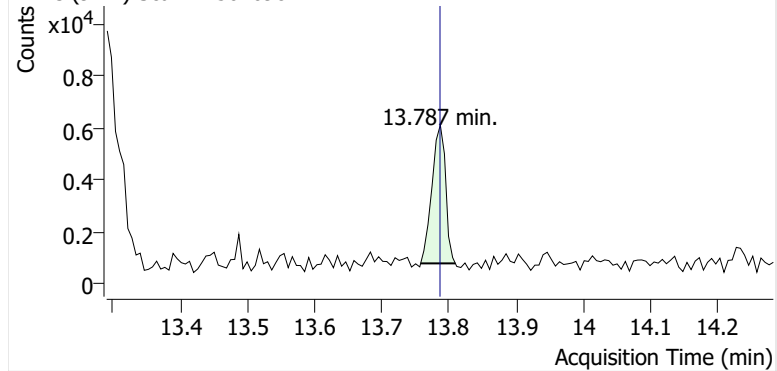


+ Scan (13.257-13.344 min, 14 scans) K2501098.D

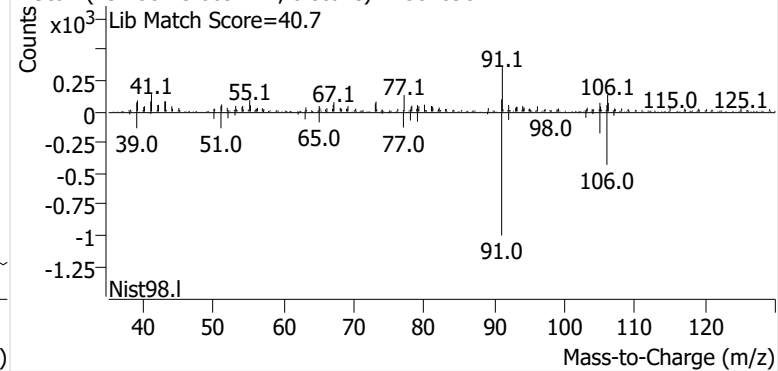


o-Xylene

+ EIC (91.1) Scan K2501098.D

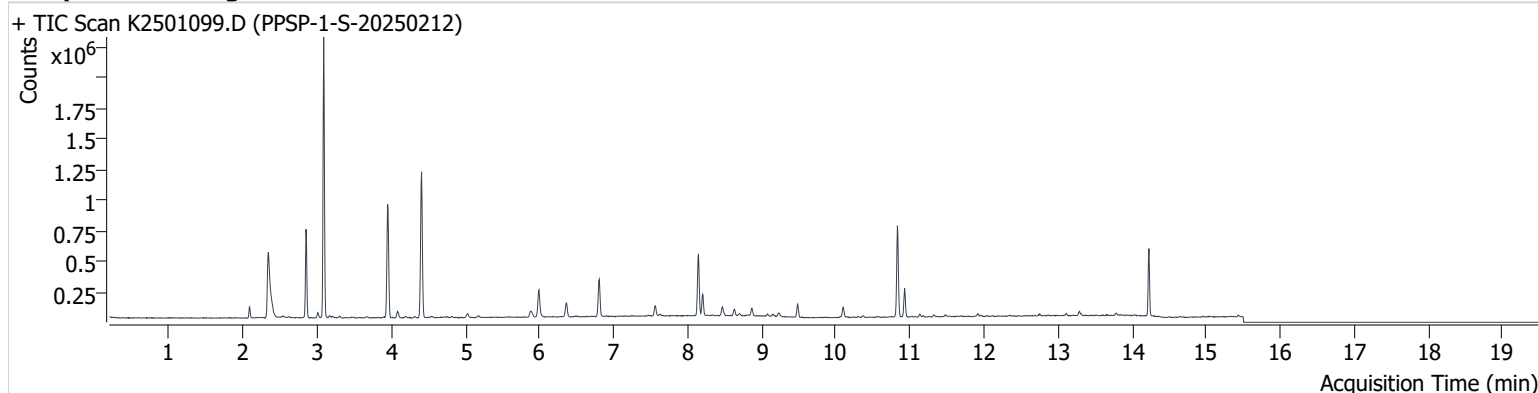


+ Scan (13.758-13.809 min, 8 scans) K2501098.D



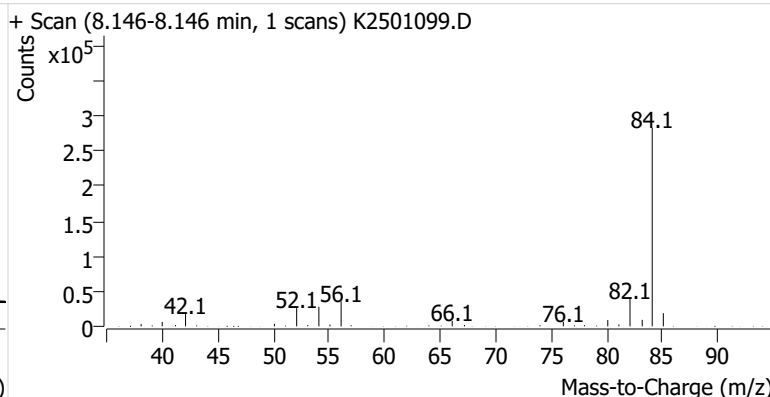
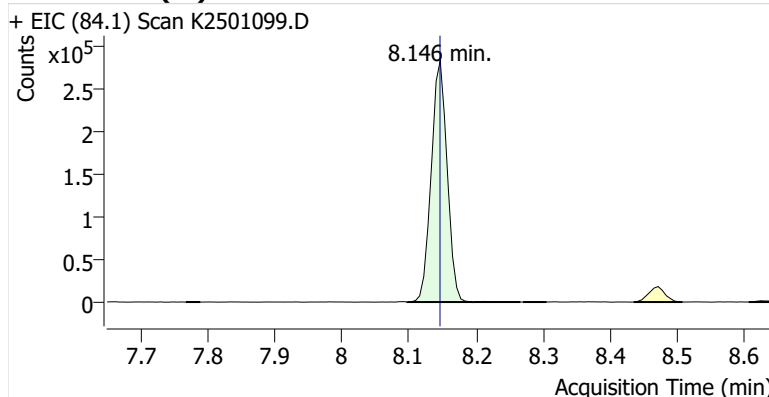
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Comment B46223
Data File K2501099.D
Acq. Date-Time 2/28/2025 3:15:45 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

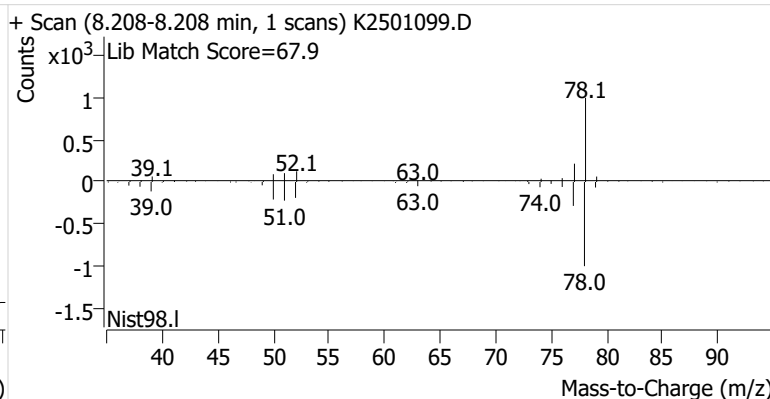
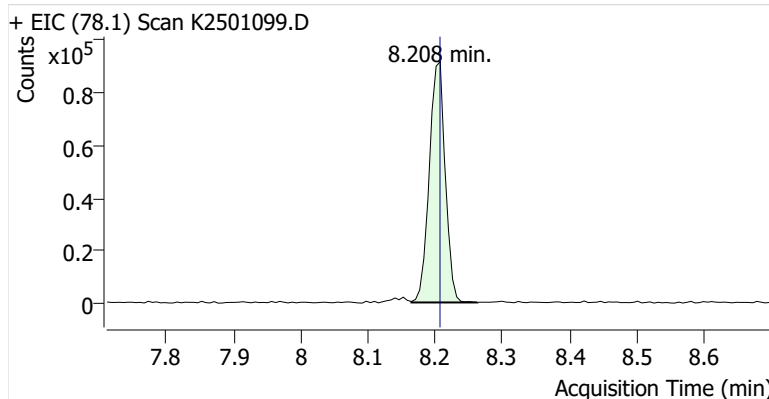


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	464,389	
Benzene	benzene-d6 (IS)	8.208	8.207	150,036	
Toluene-d8 (IS)		10.832	10.838	479,075	
Toluene	Toluene-d8 (IS)	10.930	10.930	155,546	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	11,722	
m-/p-Xylene	Toluene-d8 (IS)	13.291	13.291	22,475	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	9,118	

benzene-d6 (IS)

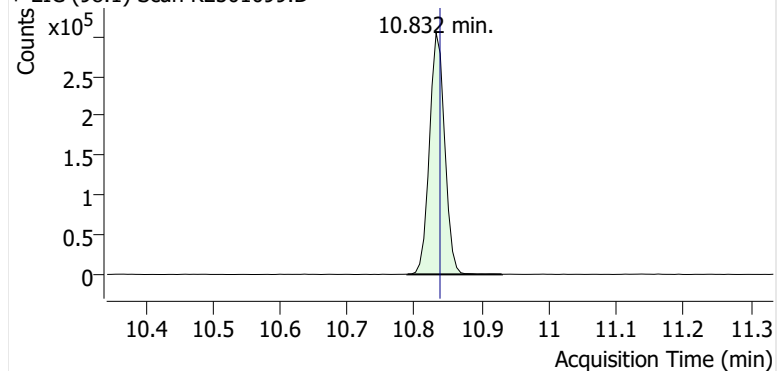


Benzene

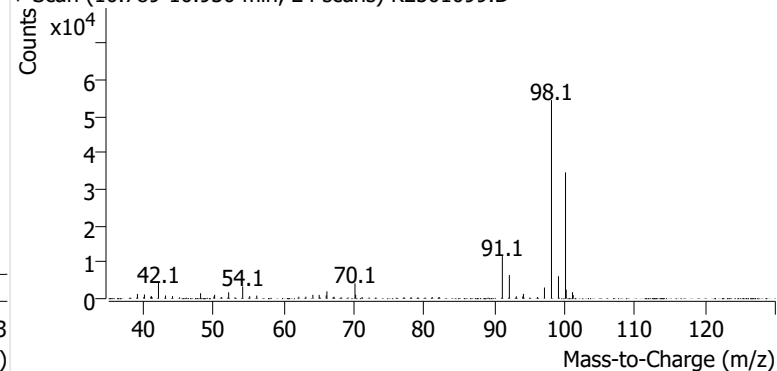


Toluene-d8 (IS)

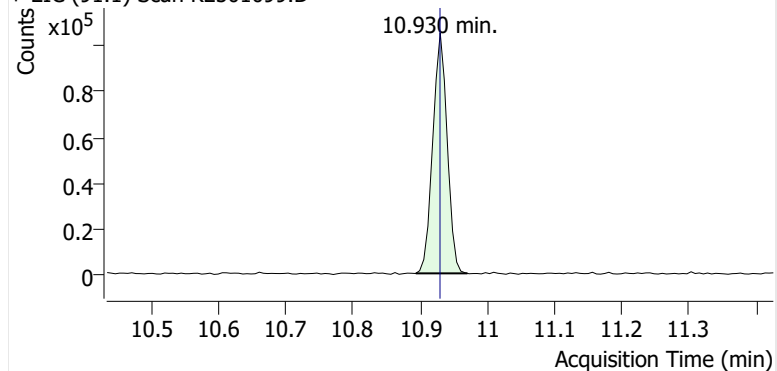
+ EIC (98.1) Scan K2501099.D



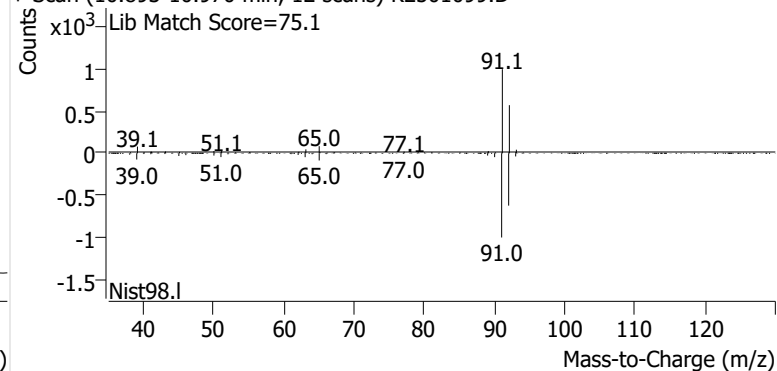
+ Scan (10.789-10.930 min, 24 scans) K2501099.D

**Toluene**

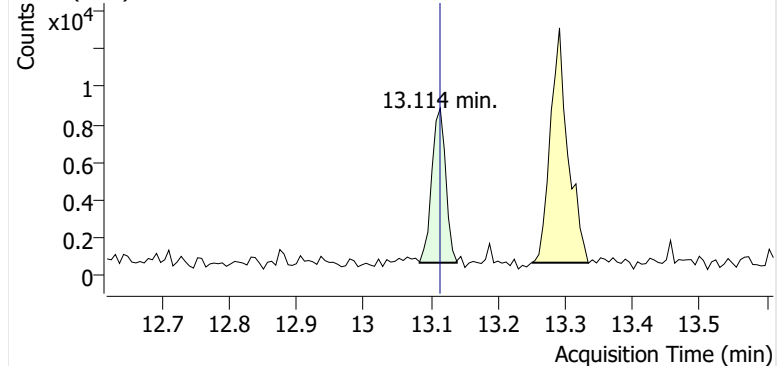
+ EIC (91.1) Scan K2501099.D



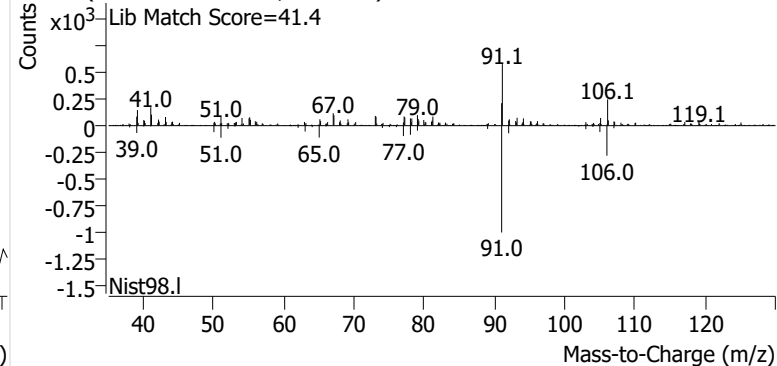
+ Scan (10.893-10.970 min, 12 scans) K2501099.D

**Ethylbenzene**

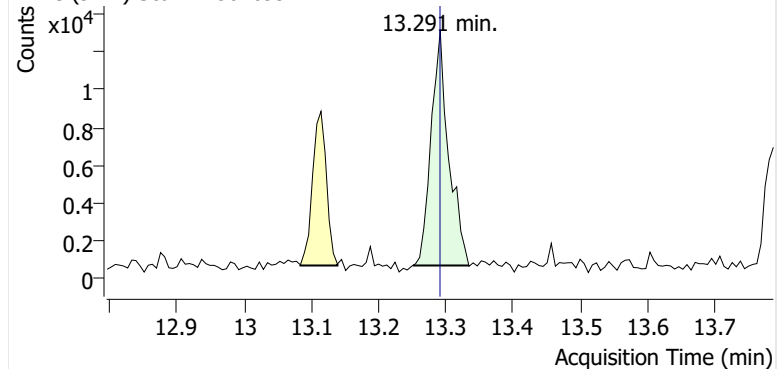
+ EIC (91.1) Scan K2501099.D



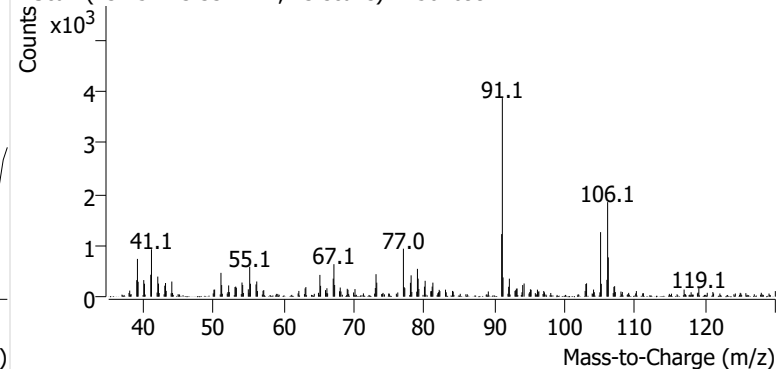
+ Scan (13.083-13.138 min, 10 scans) K2501099.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501099.D

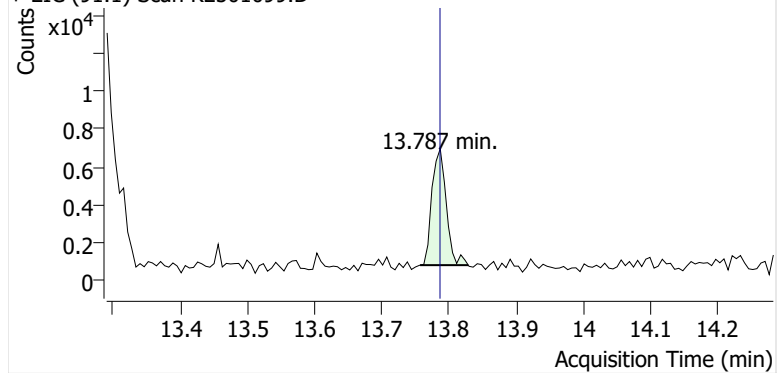


+ Scan (13.251-13.334 min, 13 scans) K2501099.D

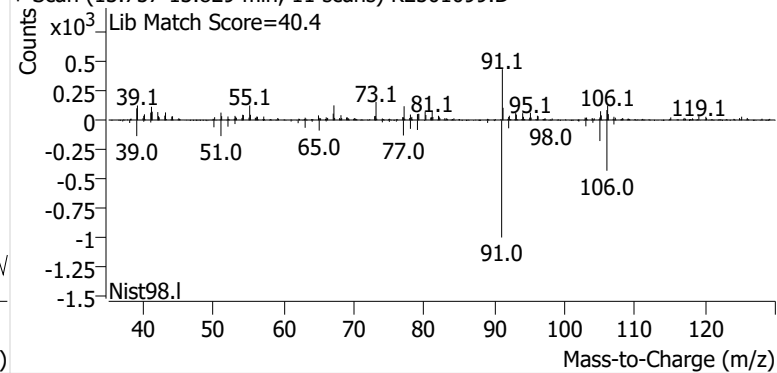


o-Xylene

+ EIC (91.1) Scan K2501099.D

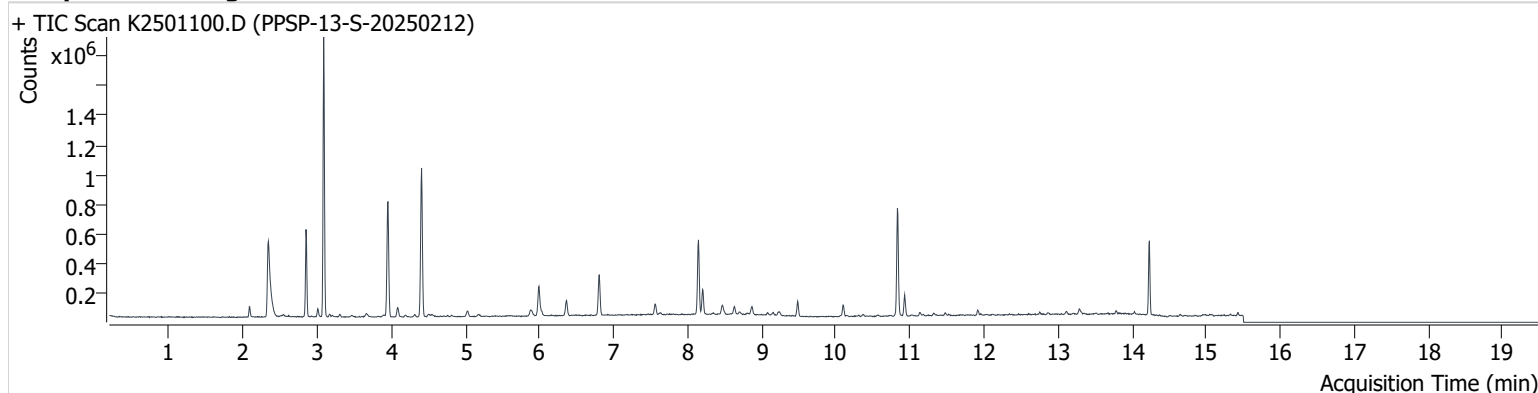


+ Scan (13.757-13.829 min, 11 scans) K2501099.D



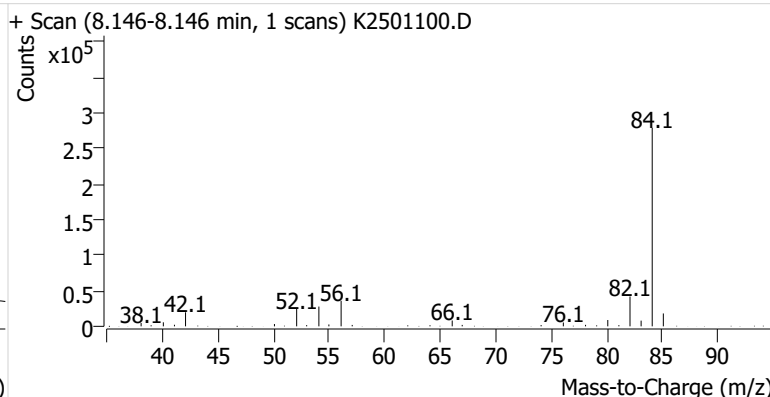
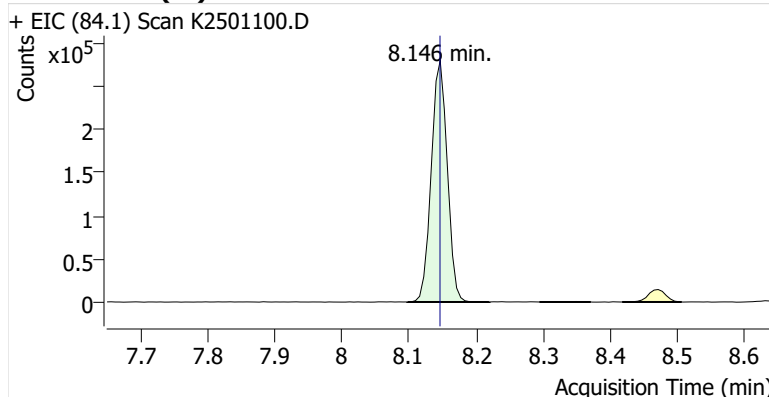
Name PPSP-13-S-20250212
Comment C20375
Data File K2501100.D
Acq. Date-Time 2/28/2025 3:43:16 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

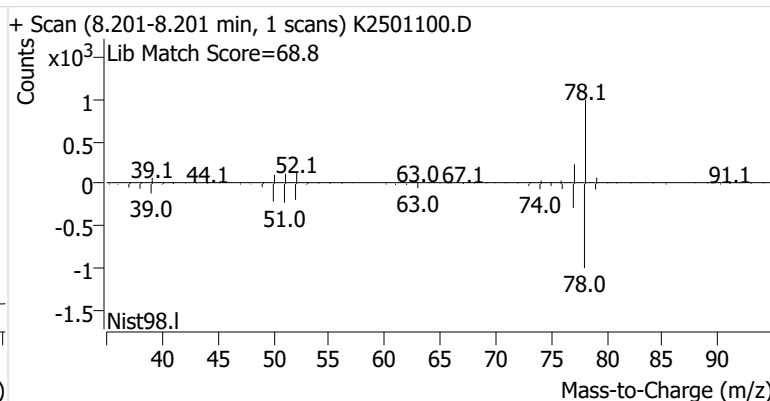
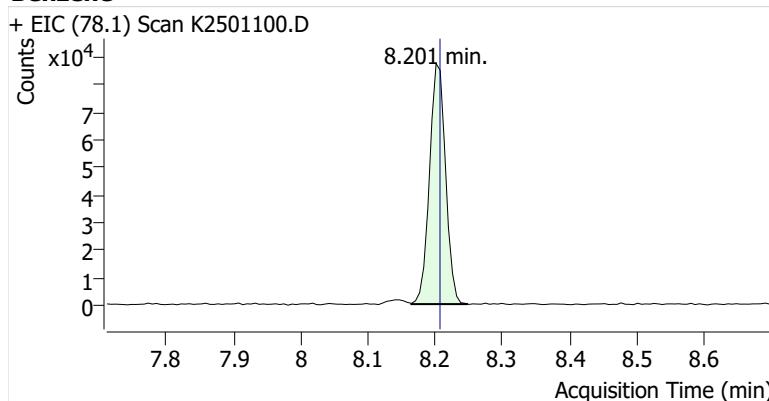


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	461,728	
Benzene	benzene-d6 (IS)	8.201	8.207	144,499	
Toluene-d8 (IS)		10.832	10.838	473,568	
Toluene	Toluene-d8 (IS)	10.930	10.930	92,427	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	12,663	
m-/p-Xylene	Toluene-d8 (IS)	13.291	13.291	26,273	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	9,779	

benzene-d6 (IS)

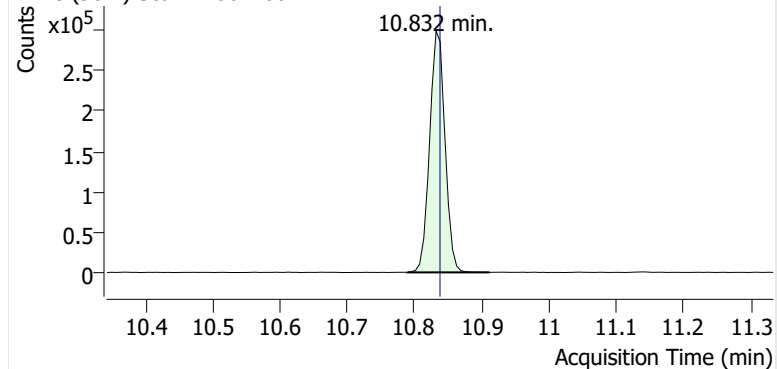


Benzene

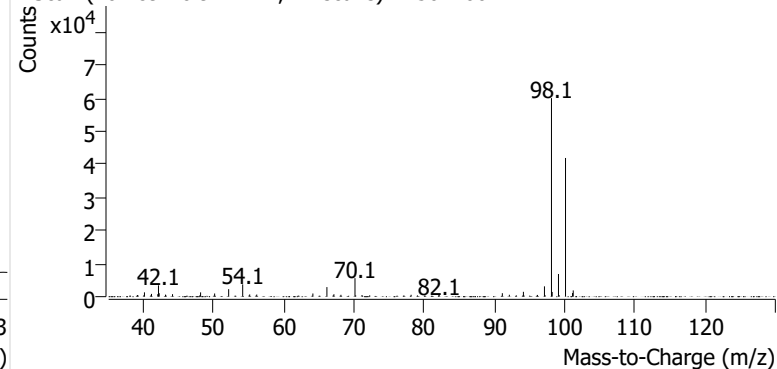


Toluene-d8 (IS)

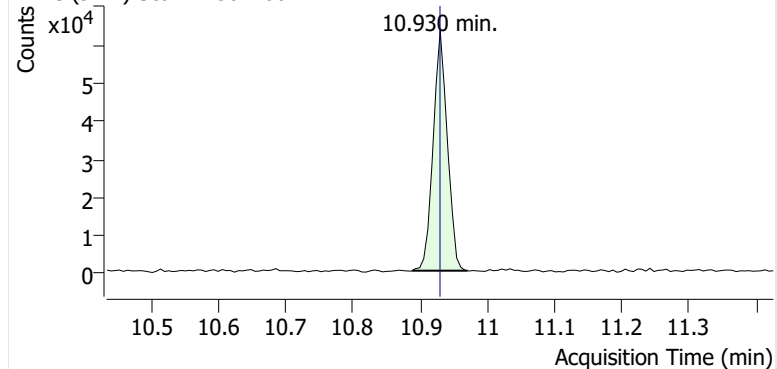
+ EIC (98.1) Scan K2501100.D



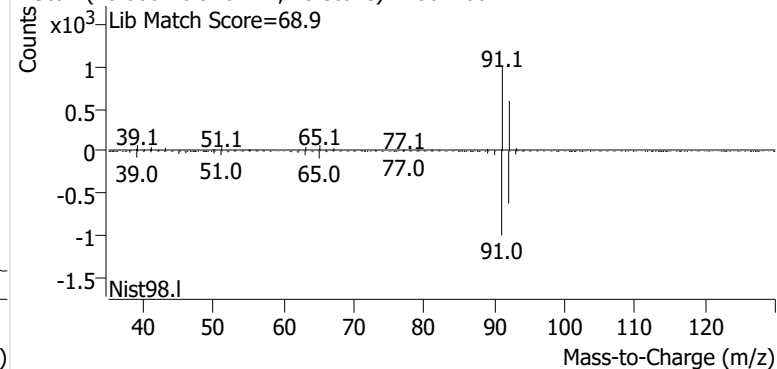
+ Scan (10.789-10.912 min, 21 scans) K2501100.D

**Toluene**

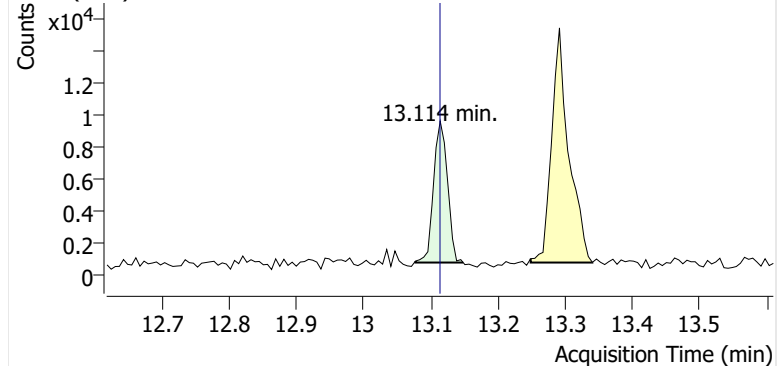
+ EIC (91.1) Scan K2501100.D



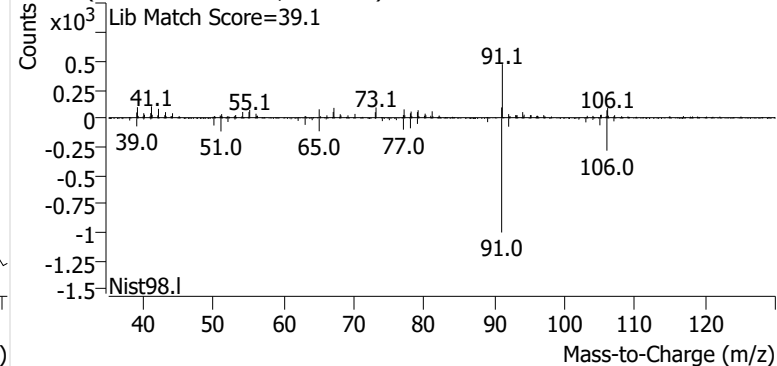
+ Scan (10.888-10.970 min, 13 scans) K2501100.D

**Ethylbenzene**

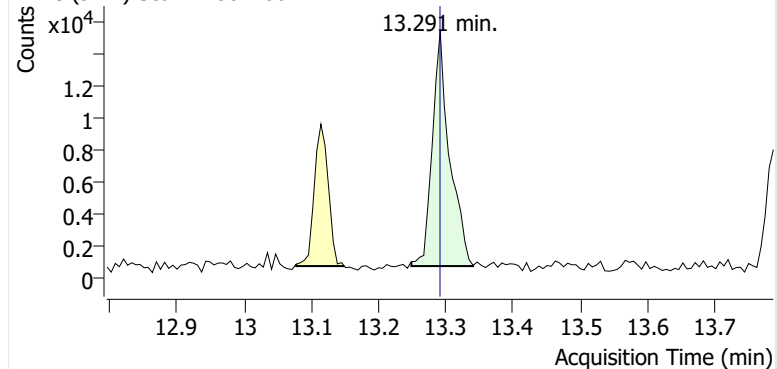
+ EIC (91.1) Scan K2501100.D



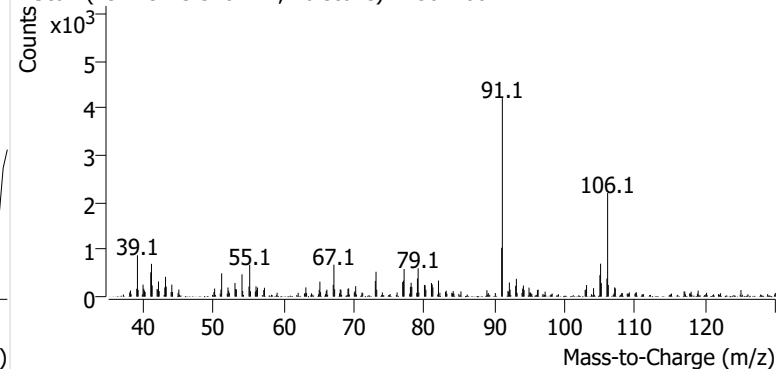
+ Scan (13.077-13.148 min, 12 scans) K2501100.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501100.D

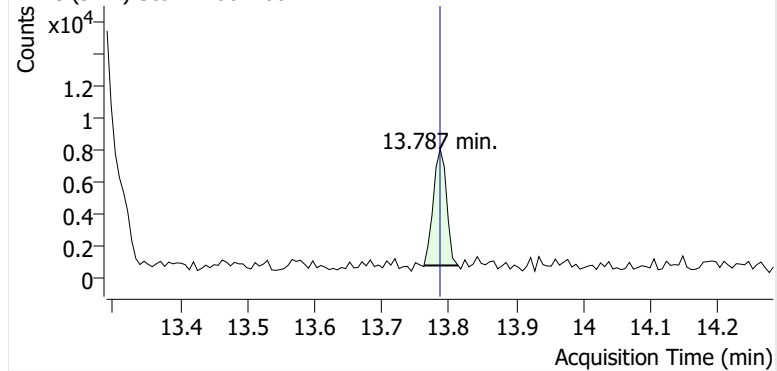


+ Scan (13.249-13.340 min, 16 scans) K2501100.D

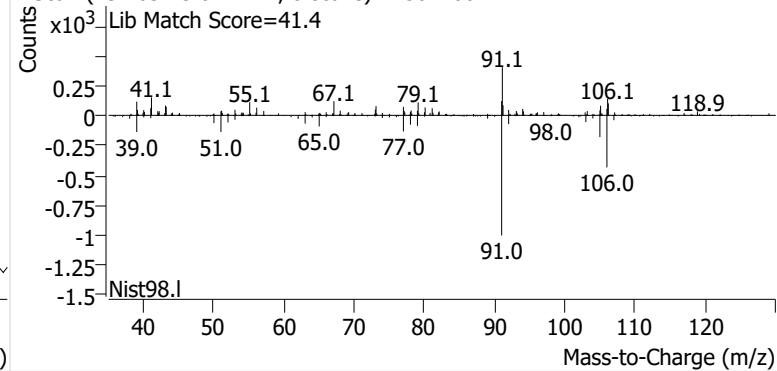


o-Xylene

+ EIC (91.1) Scan K2501100.D

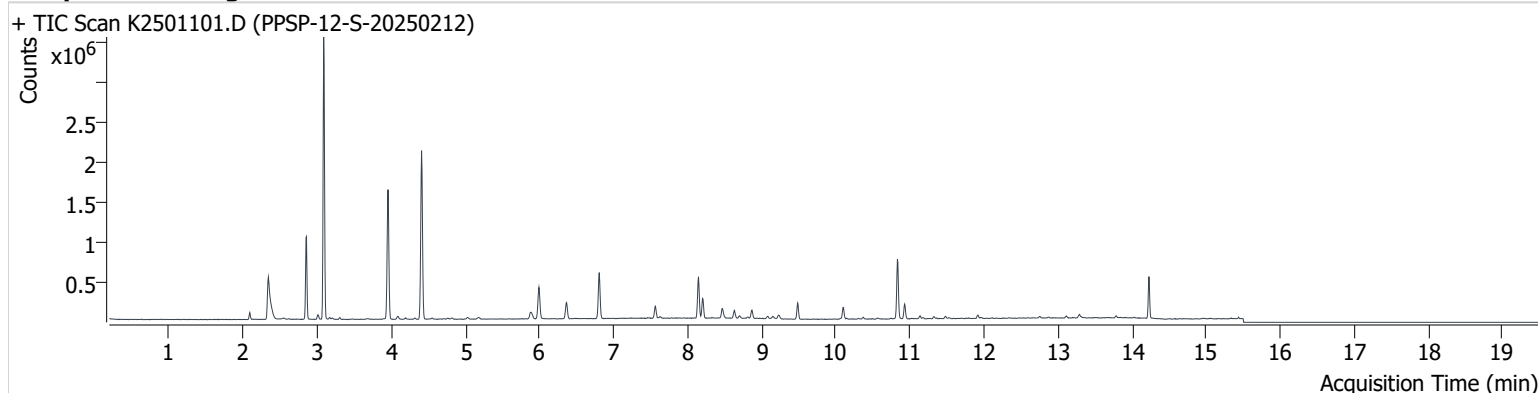


+ Scan (13.763-13.814 min, 8 scans) K2501100.D



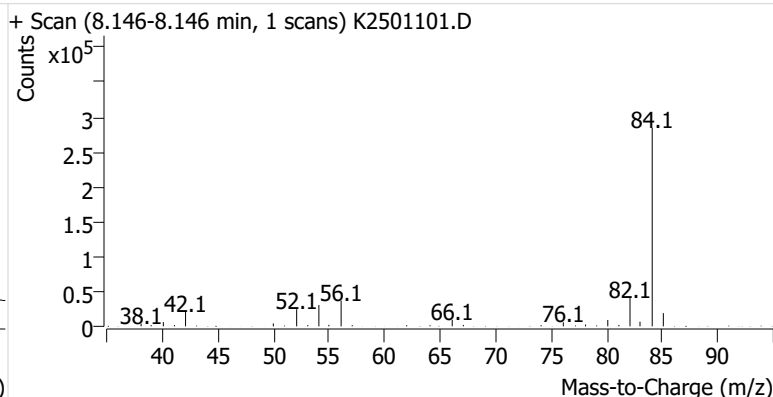
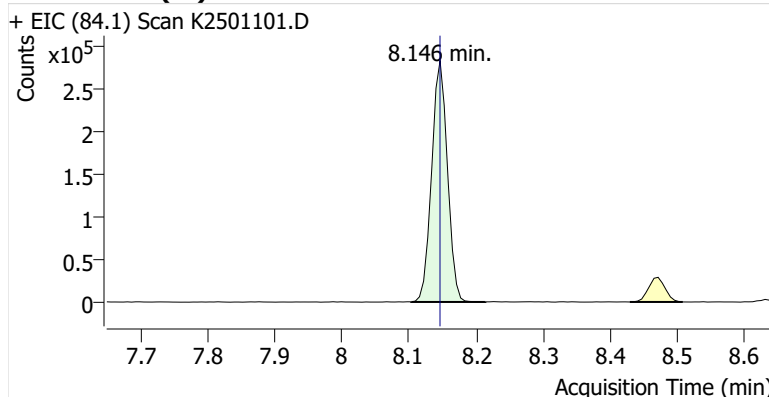
Name PPSP-12-S-20250212
Comment B38691
Data File K2501101.D
Acq. Date-Time 2/28/2025 4:11:50 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

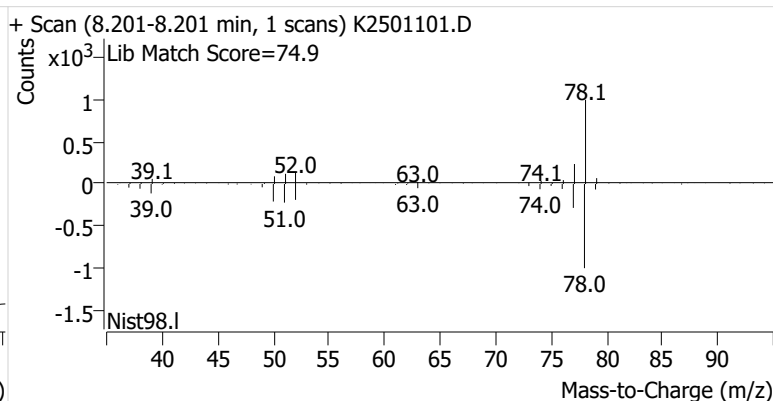
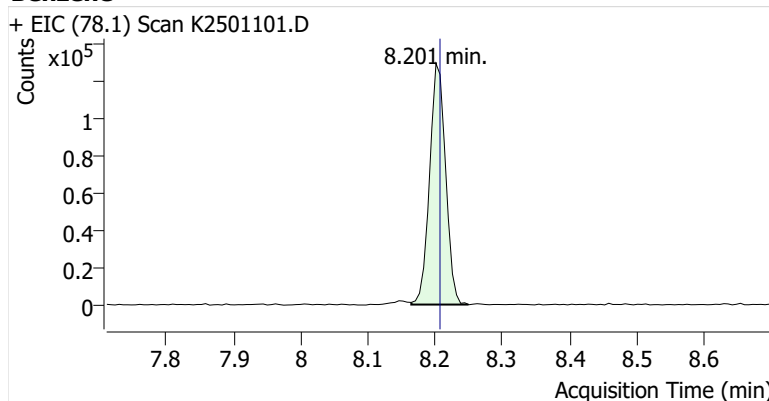


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	463,781	
Benzene	benzene-d6 (IS)	8.201	8.207	213,391	
Toluene-d8 (IS)		10.832	10.838	481,570	
Toluene	Toluene-d8 (IS)	10.930	10.930	126,449	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	14,212	
m-/p-Xylene	Toluene-d8 (IS)	13.291	13.291	28,817	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	12,258	

benzene-d6 (IS)

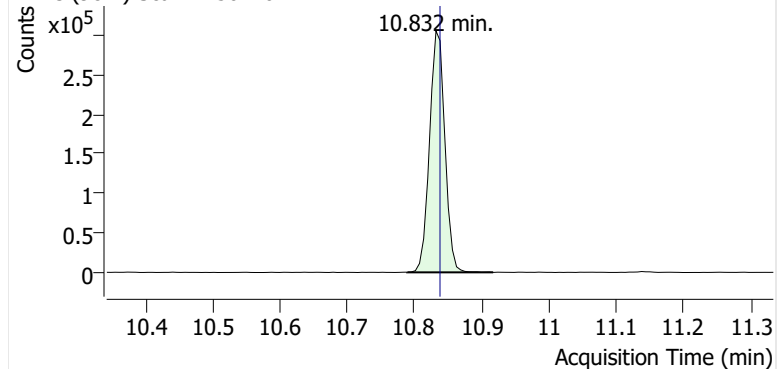


Benzene

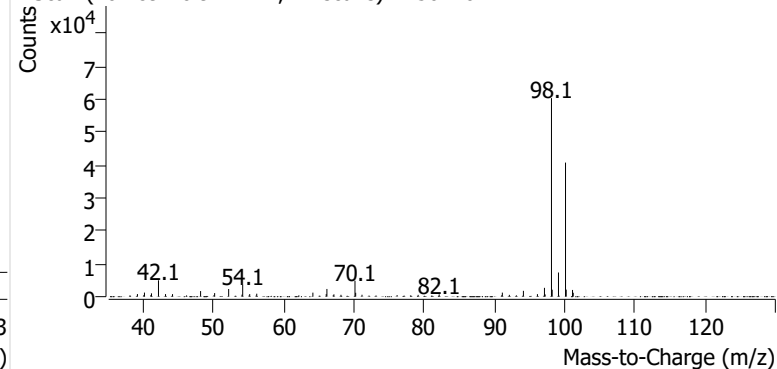


Toluene-d8 (IS)

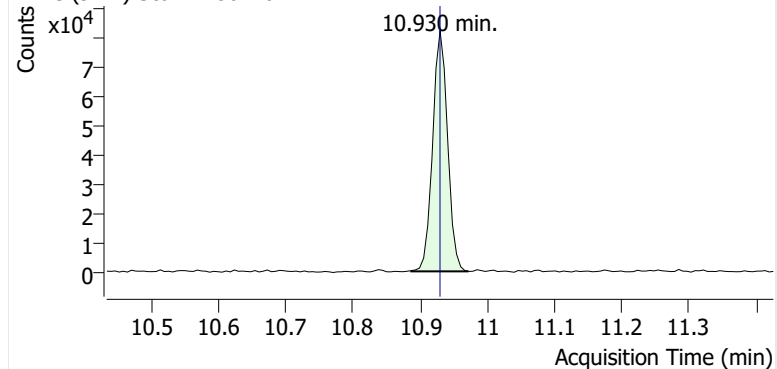
+ EIC (98.1) Scan K2501101.D



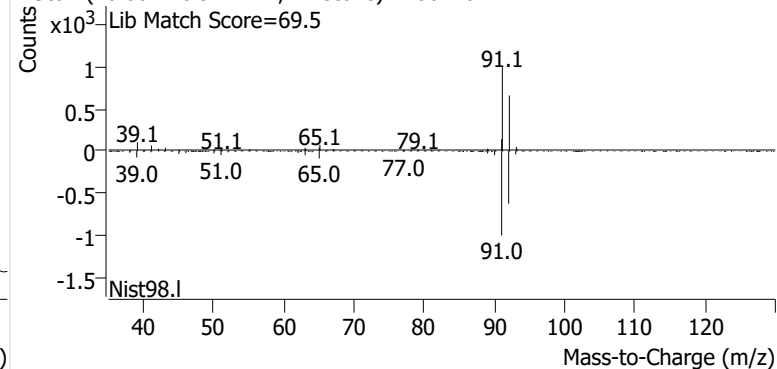
+ Scan (10.789-10.917 min, 21 scans) K2501101.D

**Toluene**

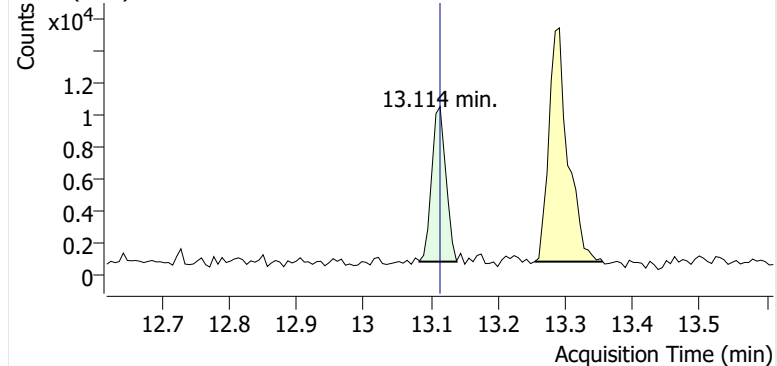
+ EIC (91.1) Scan K2501101.D



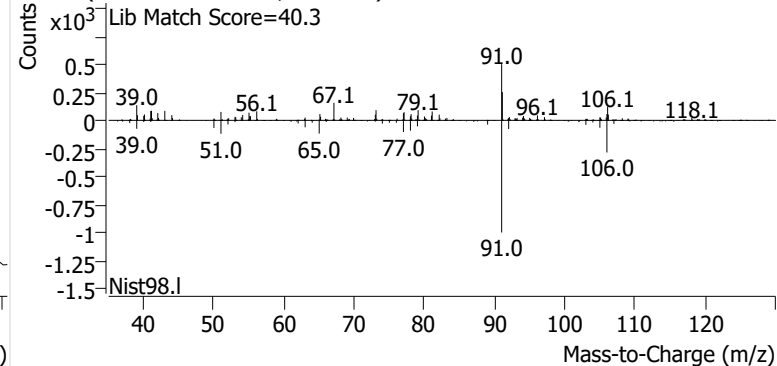
+ Scan (10.887-10.972 min, 14 scans) K2501101.D

**Ethylbenzene**

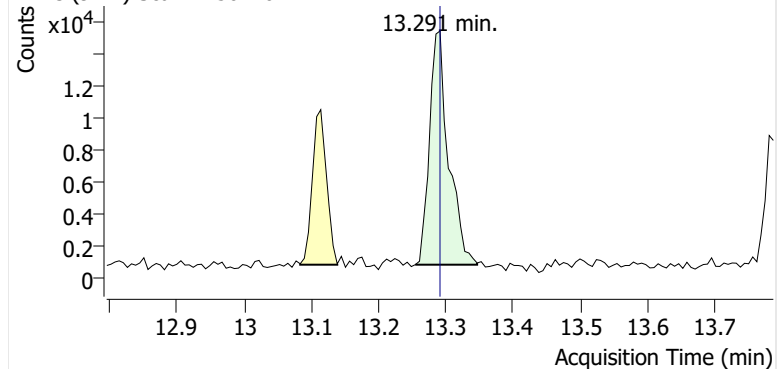
+ EIC (91.1) Scan K2501101.D



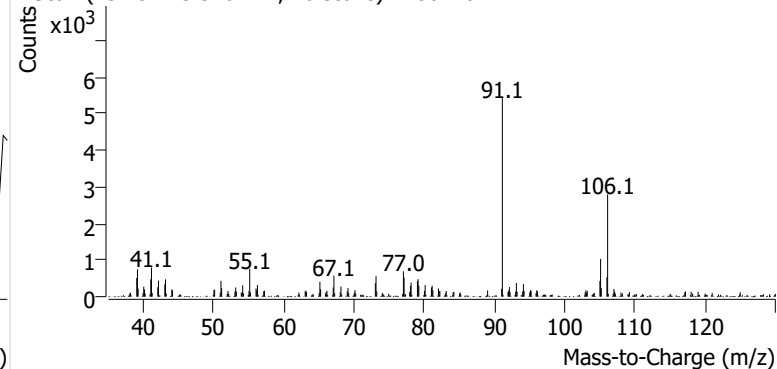
+ Scan (13.083-13.138 min, 10 scans) K2501101.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501101.D

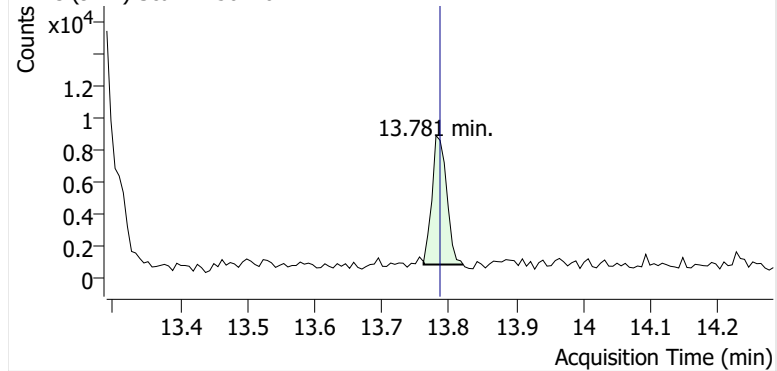


+ Scan (13.254-13.346 min, 16 scans) K2501101.D

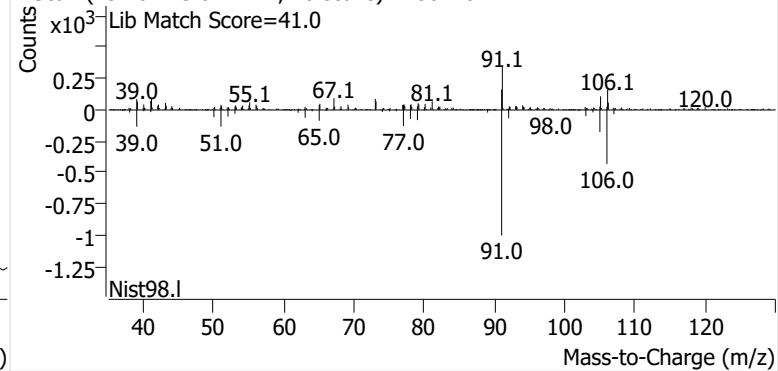


o-Xylene

+ EIC (91.1) Scan K2501101.D

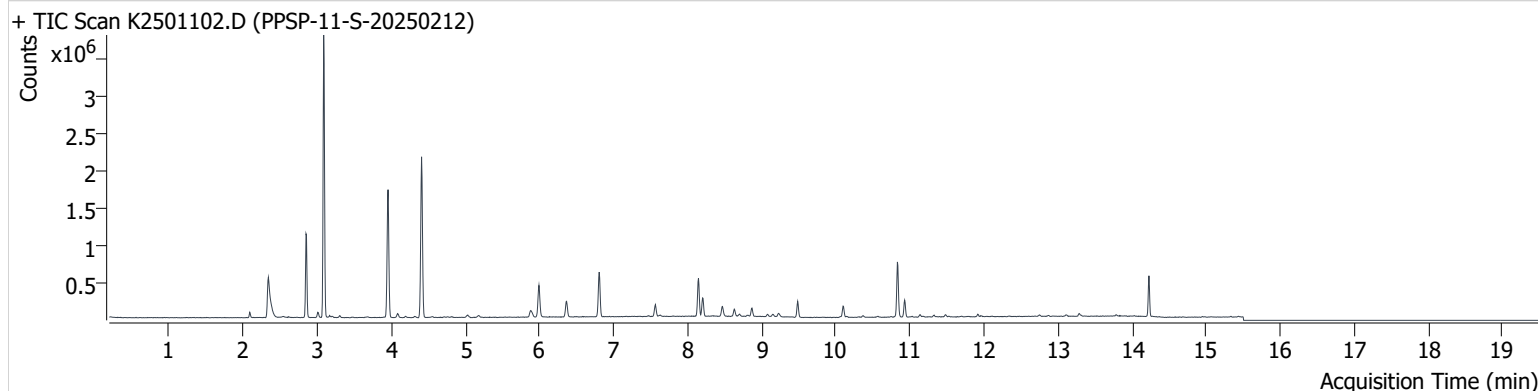


+ Scan (13.762-13.821 min, 10 scans) K2501101.D



Name PPSP-11-S-20250212
Comment C00744
Data File K2501102.D
Acq. Date-Time 2/28/2025 4:39:24 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxypack X
Analyze Quant Version 12.1
Report Quant Version 12.1

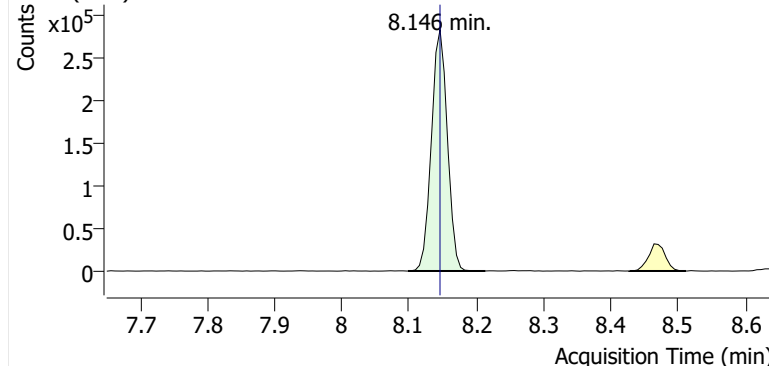
Sample Chromatogram



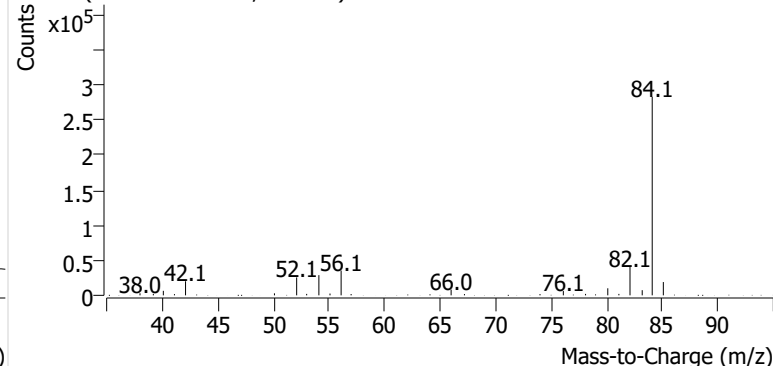
Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	466,621	
Benzene	benzene-d6 (IS)	8.201	8.207	220,498	
Toluene-d8 (IS)		10.832	10.838	481,540	
Toluene	Toluene-d8 (IS)	10.930	10.930	157,613	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	12,382	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	23,474	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	9,341	

benzene-d6 (IS)

+ EIC (84.1) Scan K2501102.D

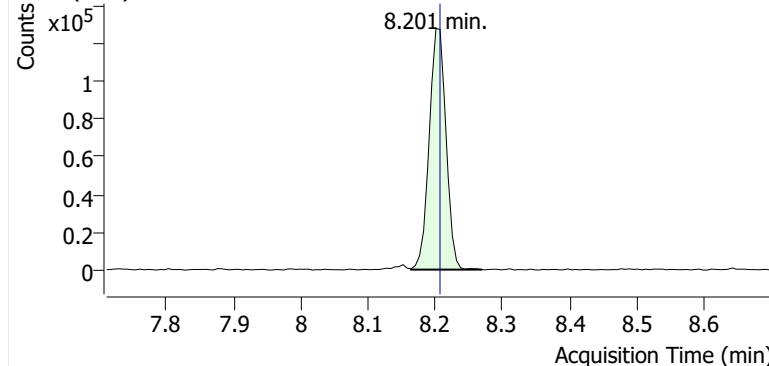


+ Scan (8.146-8.146 min, 1 scans) K2501102.D

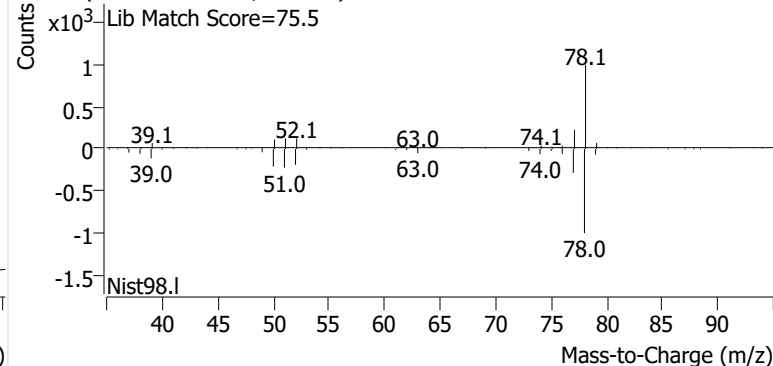


Benzene

+ EIC (78.1) Scan K2501102.D

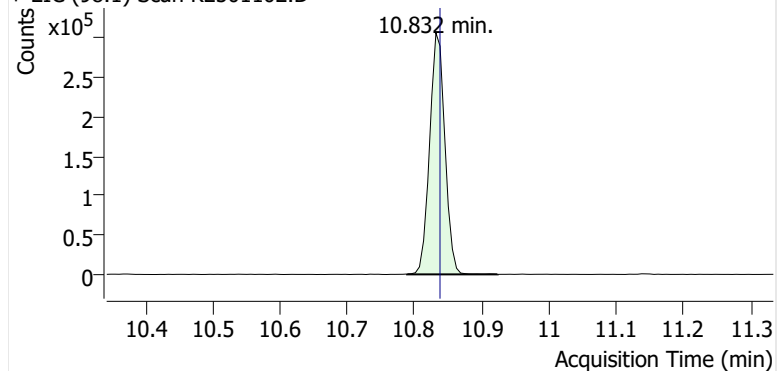


+ Scan (8.201-8.201 min, 1 scans) K2501102.D

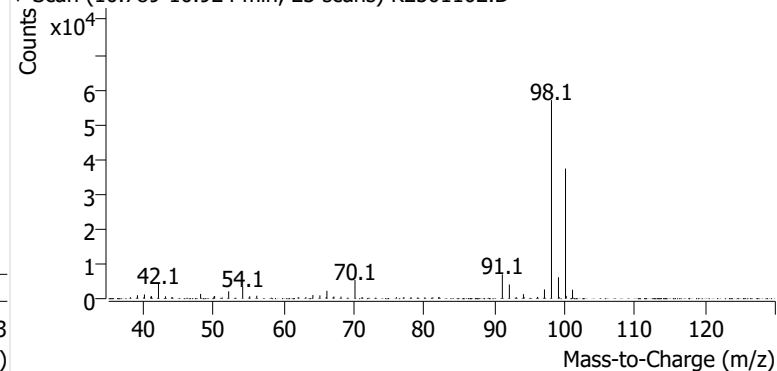


Toluene-d8 (IS)

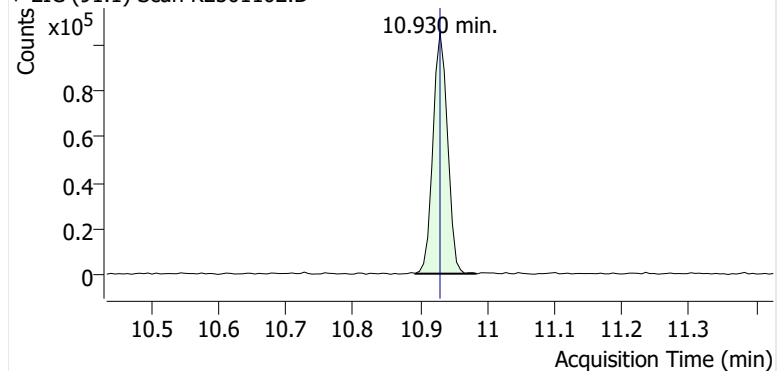
+ EIC (98.1) Scan K2501102.D



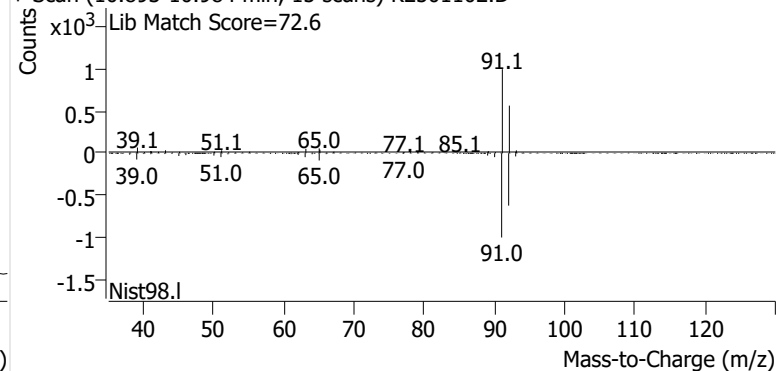
+ Scan (10.789-10.924 min, 23 scans) K2501102.D

**Toluene**

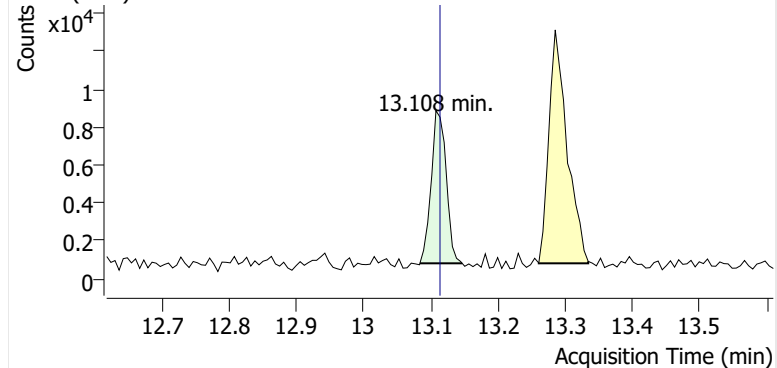
+ EIC (91.1) Scan K2501102.D



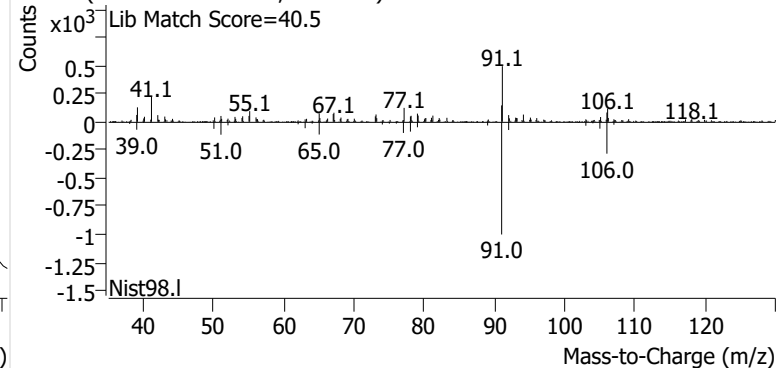
+ Scan (10.893-10.984 min, 15 scans) K2501102.D

**Ethylbenzene**

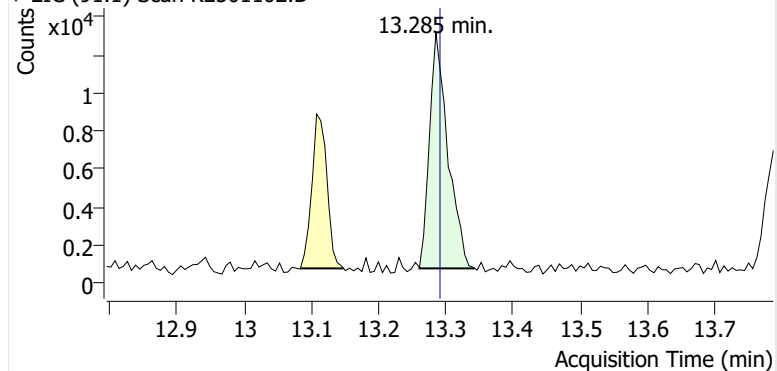
+ EIC (91.1) Scan K2501102.D



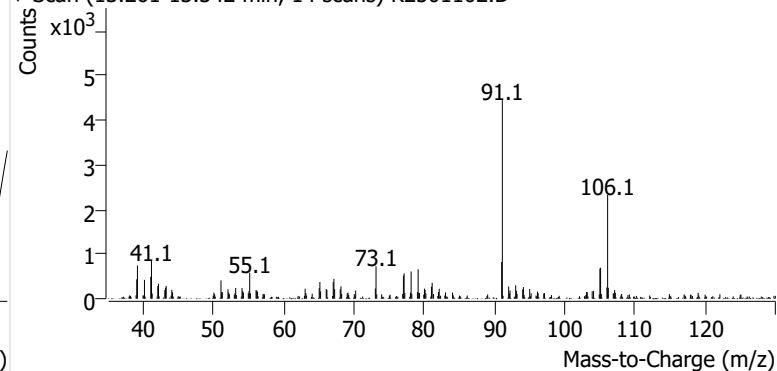
+ Scan (13.084-13.147 min, 10 scans) K2501102.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501102.D

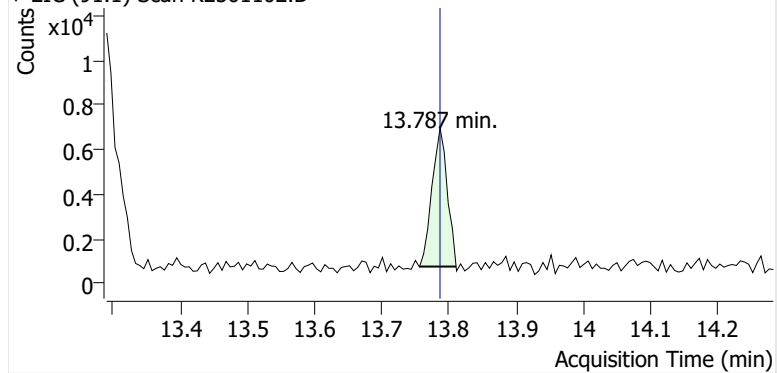


+ Scan (13.261-13.342 min, 14 scans) K2501102.D

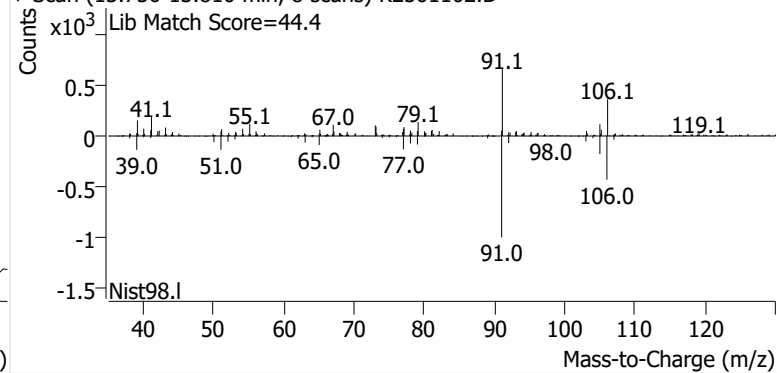


o-Xylene

+ EIC (91.1) Scan K2501102.D

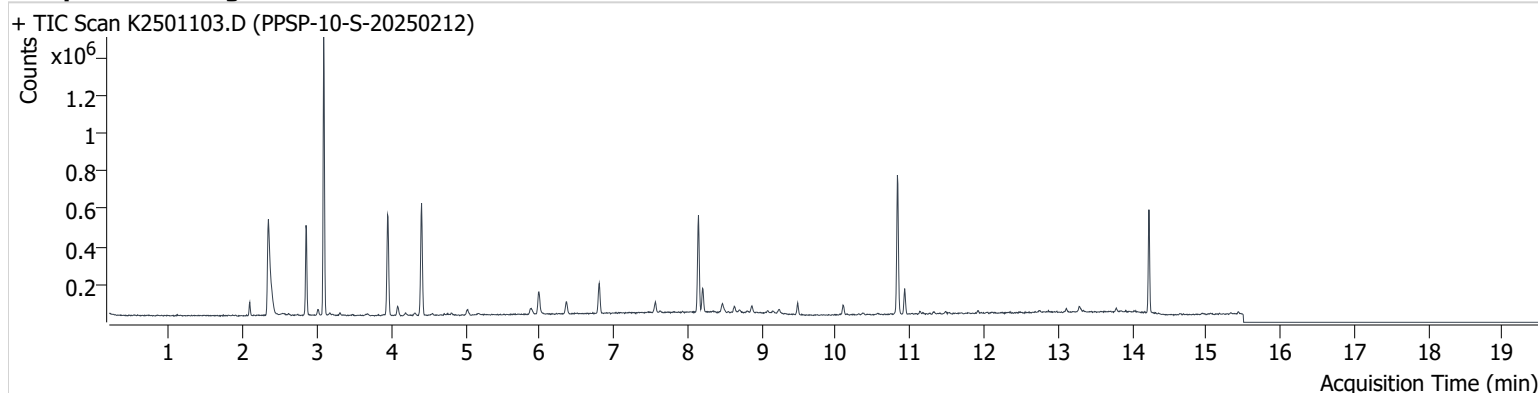


+ Scan (13.756-13.810 min, 8 scans) K2501102.D



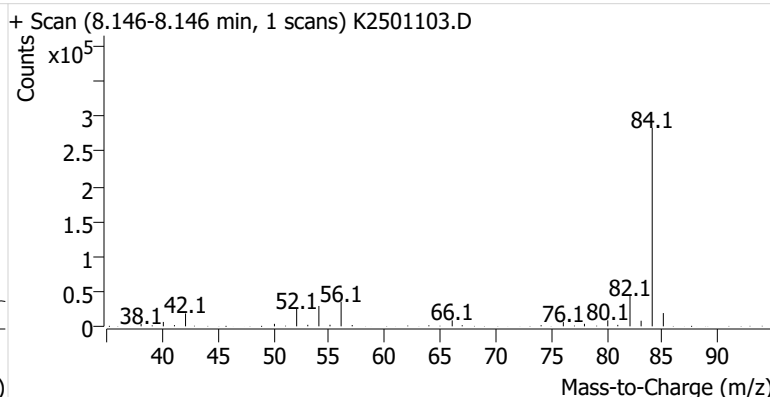
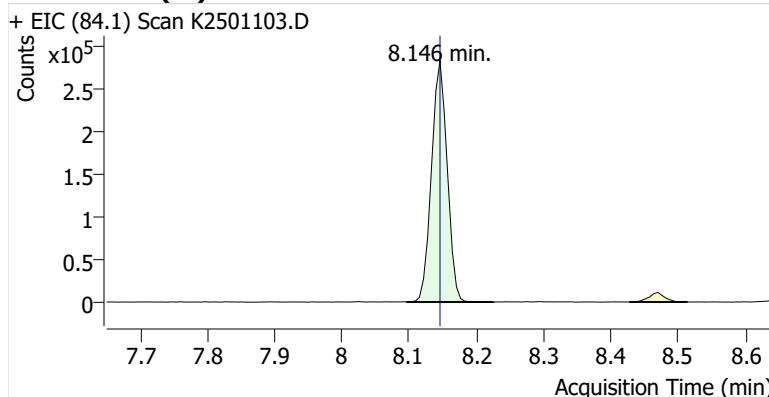
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Comment B46843
Data File K2501103.D
Acq. Date-Time 2/28/2025 5:07:02 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

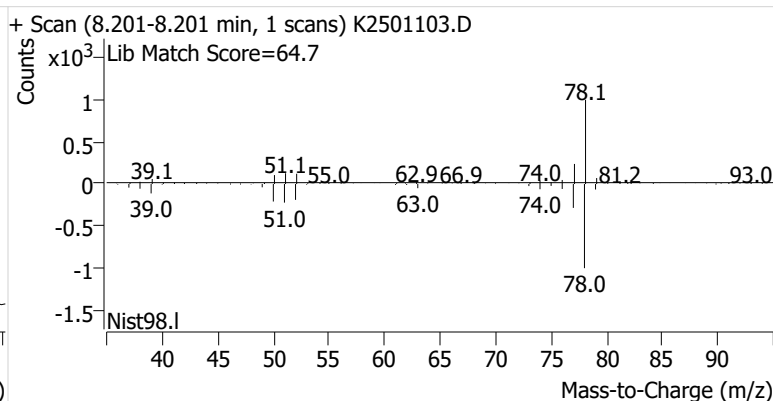
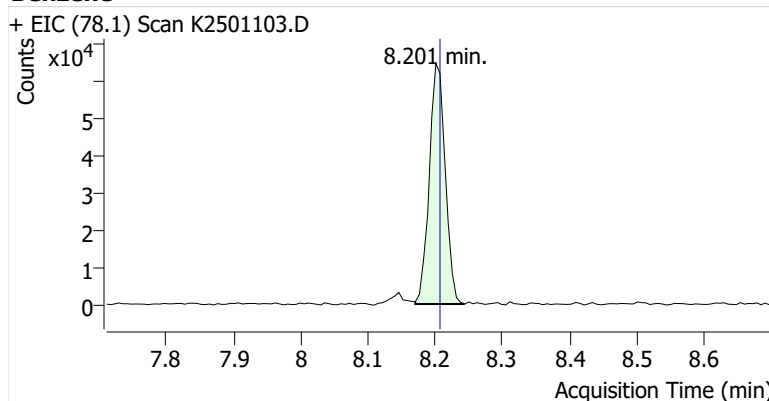


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	460,415	
Benzene	benzene-d6 (IS)	8.201	8.207	106,102	
Toluene-d8 (IS)		10.832	10.838	475,221	
Toluene	Toluene-d8 (IS)	10.930	10.930	88,328	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	11,911	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	20,750	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	8,946	

benzene-d6 (IS)

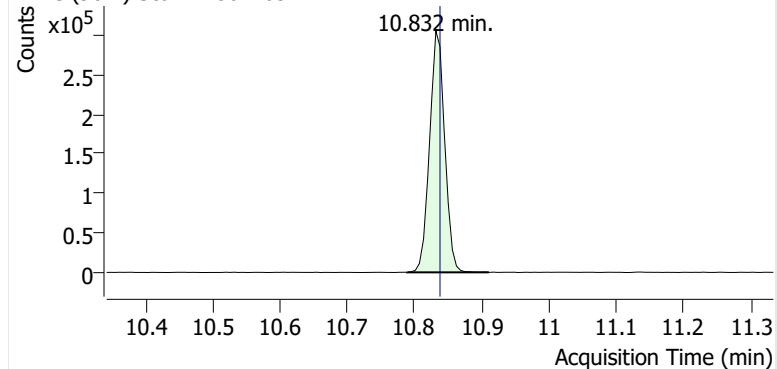


Benzene

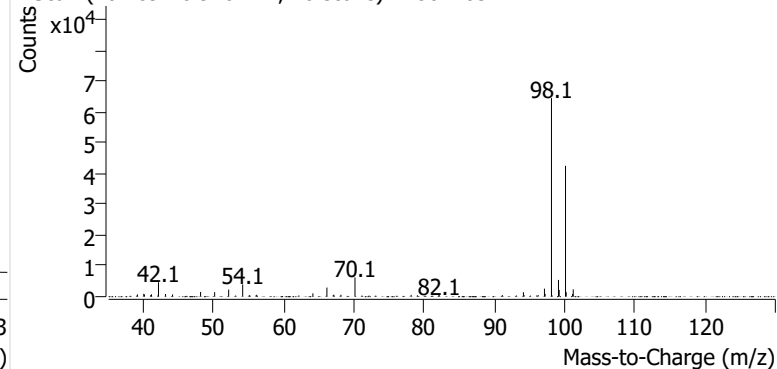


Toluene-d8 (IS)

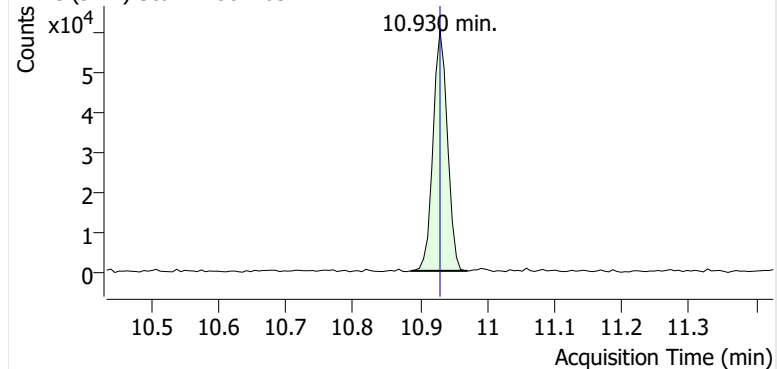
+ EIC (98.1) Scan K2501103.D



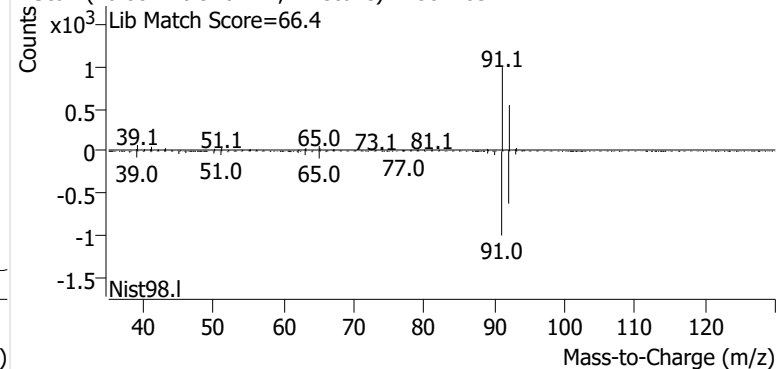
+ Scan (10.789-10.910 min, 20 scans) K2501103.D

**Toluene**

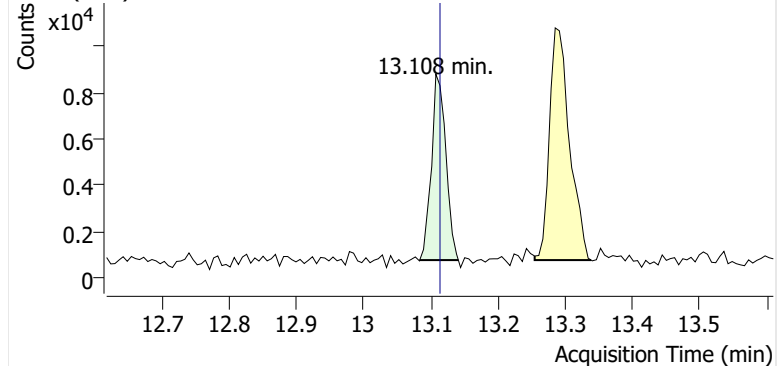
+ EIC (91.1) Scan K2501103.D



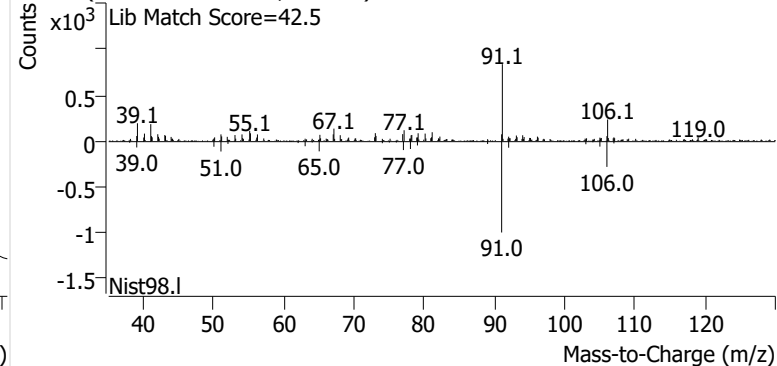
+ Scan (10.887-10.970 min, 14 scans) K2501103.D

**Ethylbenzene**

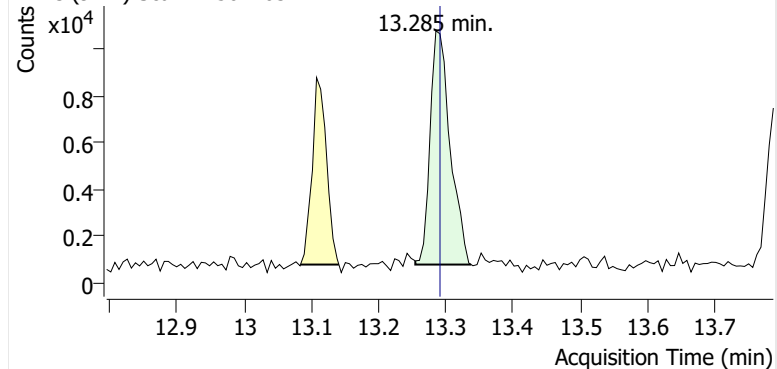
+ EIC (91.1) Scan K2501103.D



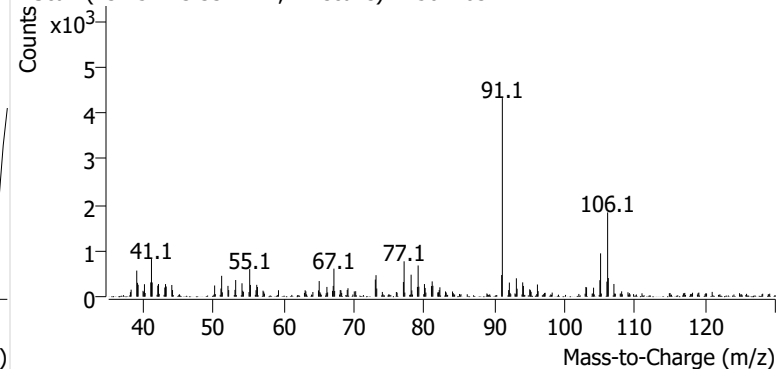
+ Scan (13.083-13.141 min, 9 scans) K2501103.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501103.D

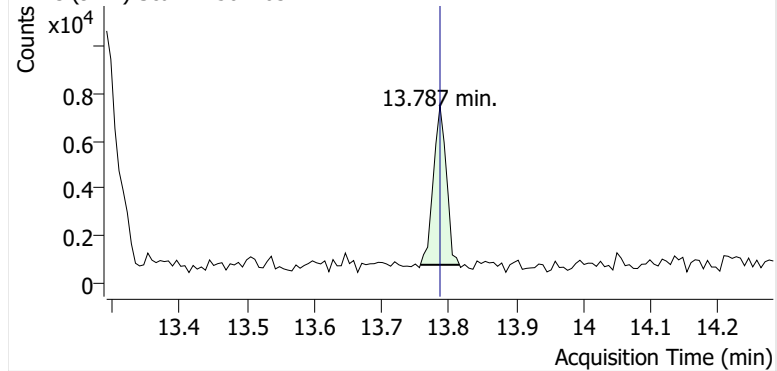


+ Scan (13.254-13.337 min, 14 scans) K2501103.D

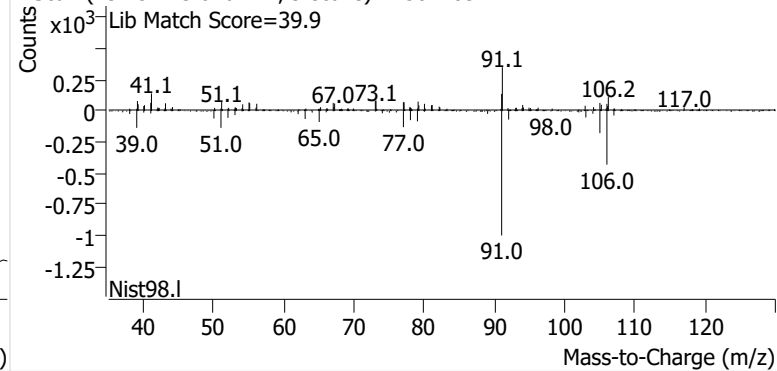


o-Xylene

+ EIC (91.1) Scan K2501103.D

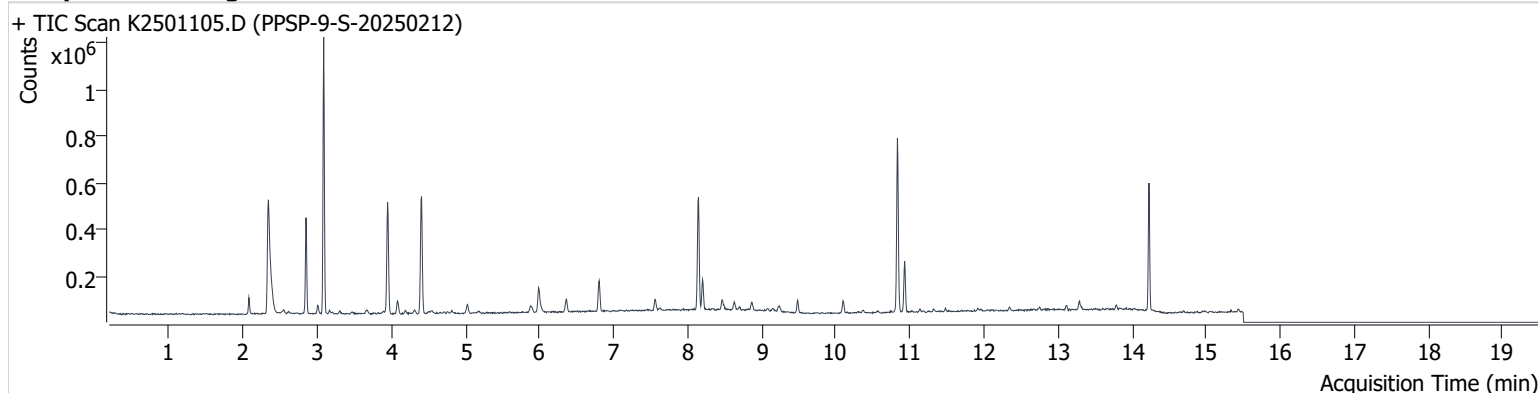


+ Scan (13.757-13.816 min, 9 scans) K2501103.D



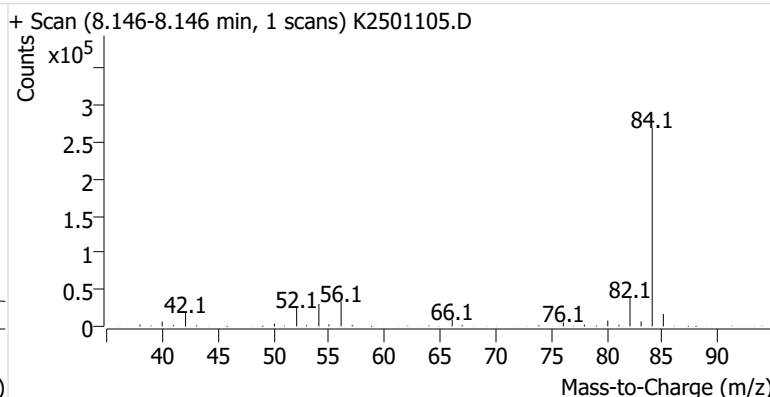
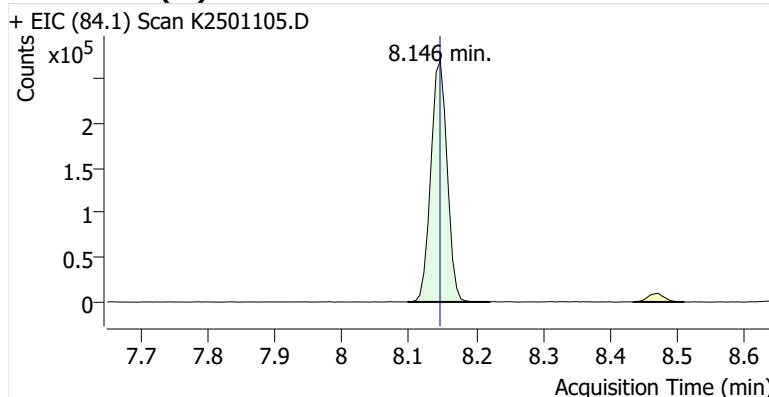
Name PPSP-9-S-20250212
Comment B19351
Data File K2501105.D
Acq. Date-Time 2/28/2025 6:02:09 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

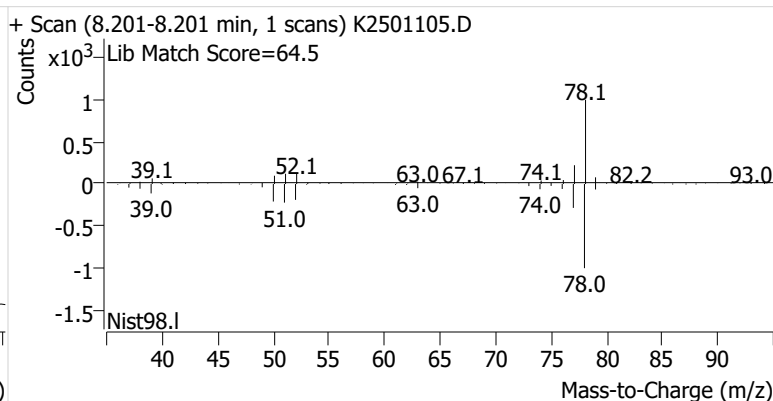
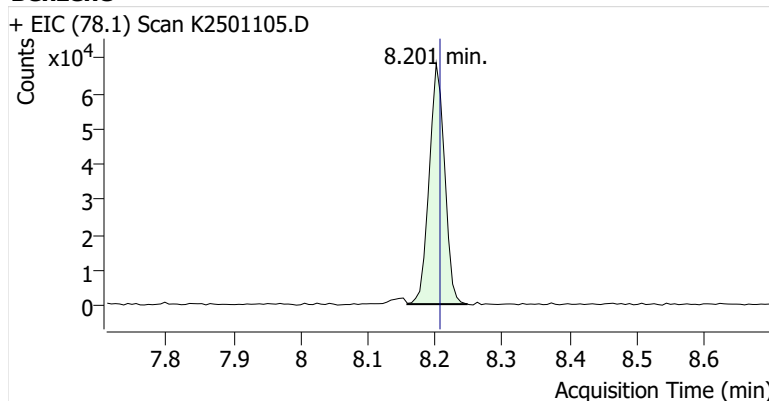


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	453,807	
Benzene	benzene-d6 (IS)	8.201	8.207	108,105	
Toluene-d8 (IS)		10.832	10.838	473,798	
Toluene	Toluene-d8 (IS)	10.930	10.930	146,383	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	12,960	
m-/p-Xylene	Toluene-d8 (IS)	13.291	13.291	22,975	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	9,360	

benzene-d6 (IS)

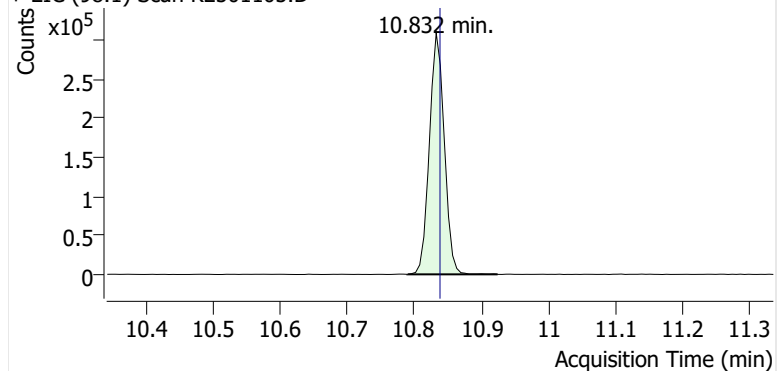


Benzene

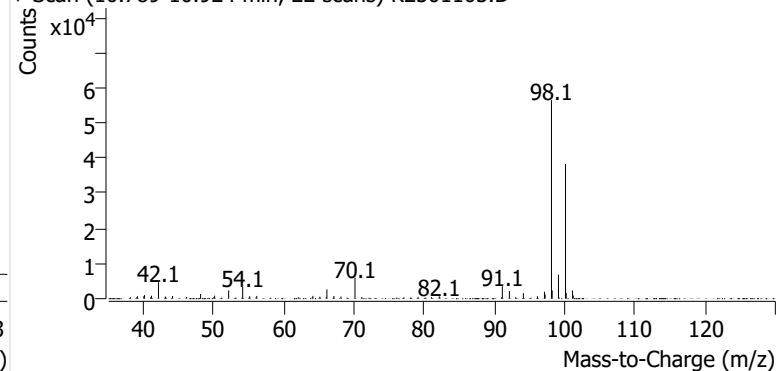


Toluene-d8 (IS)

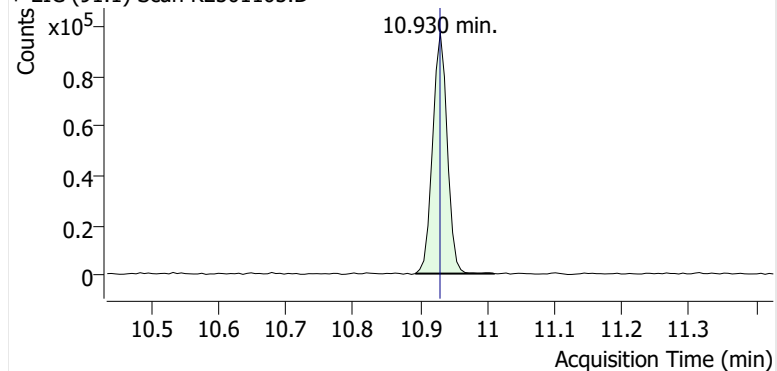
+ EIC (98.1) Scan K2501105.D



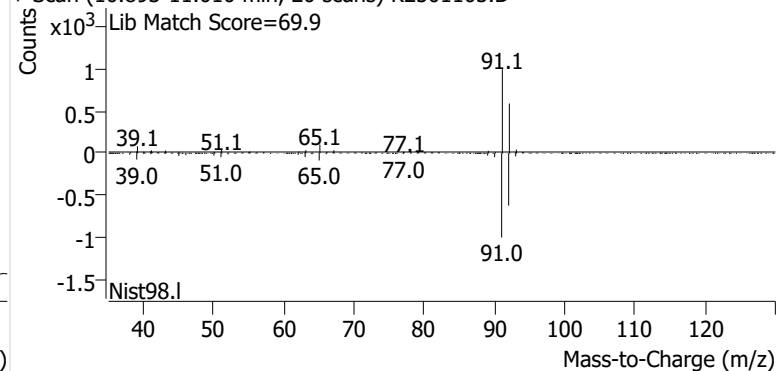
+ Scan (10.789-10.924 min, 22 scans) K2501105.D

**Toluene**

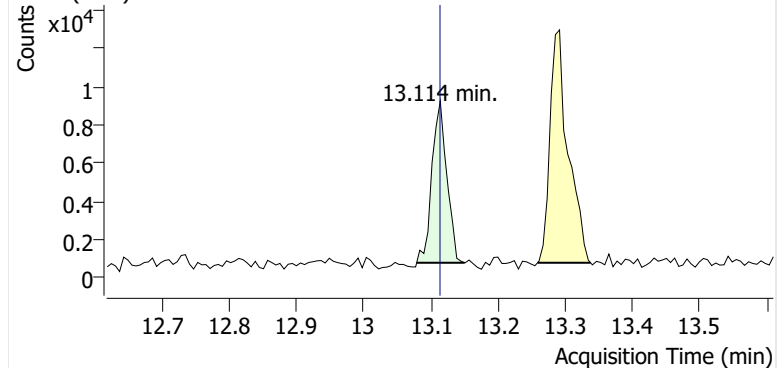
+ EIC (91.1) Scan K2501105.D



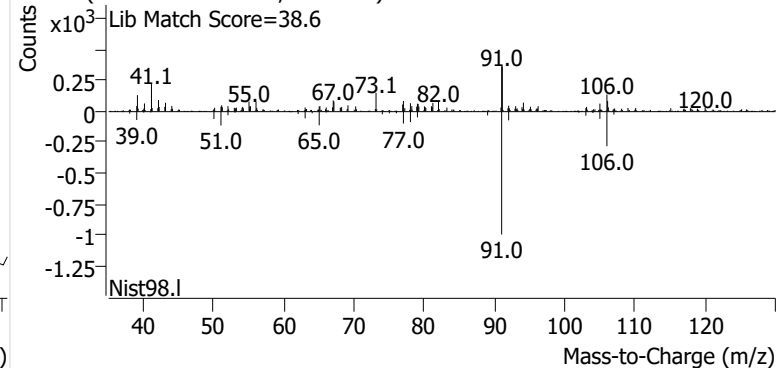
+ Scan (10.893-11.010 min, 20 scans) K2501105.D

**Ethylbenzene**

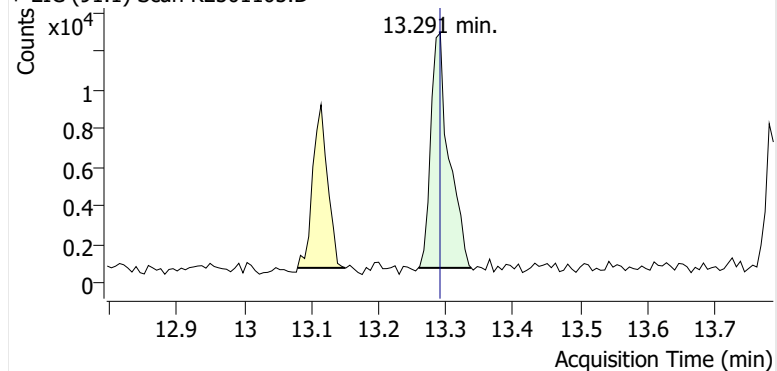
+ EIC (91.1) Scan K2501105.D



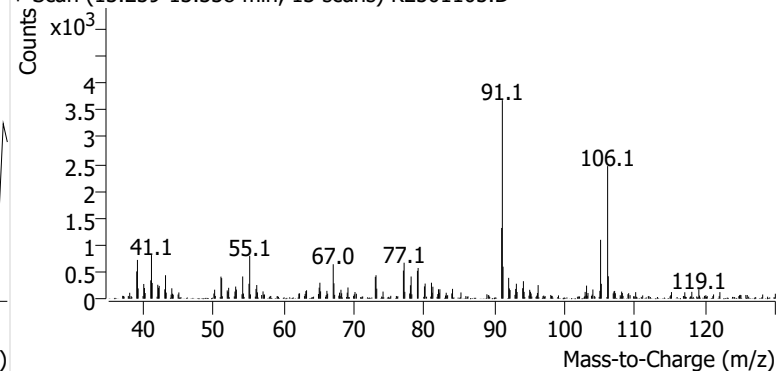
+ Scan (13.079-13.150 min, 11 scans) K2501105.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501105.D

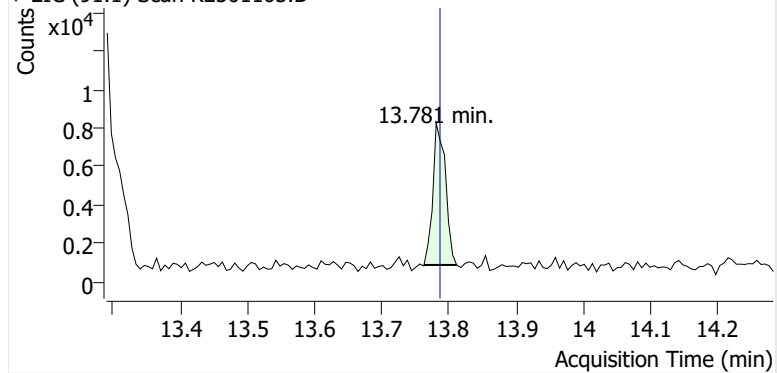


+ Scan (13.259-13.338 min, 13 scans) K2501105.D

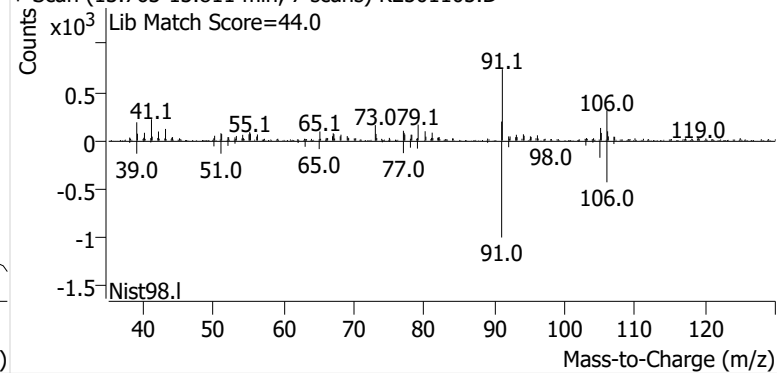


o-Xylene

+ EIC (91.1) Scan K2501105.D

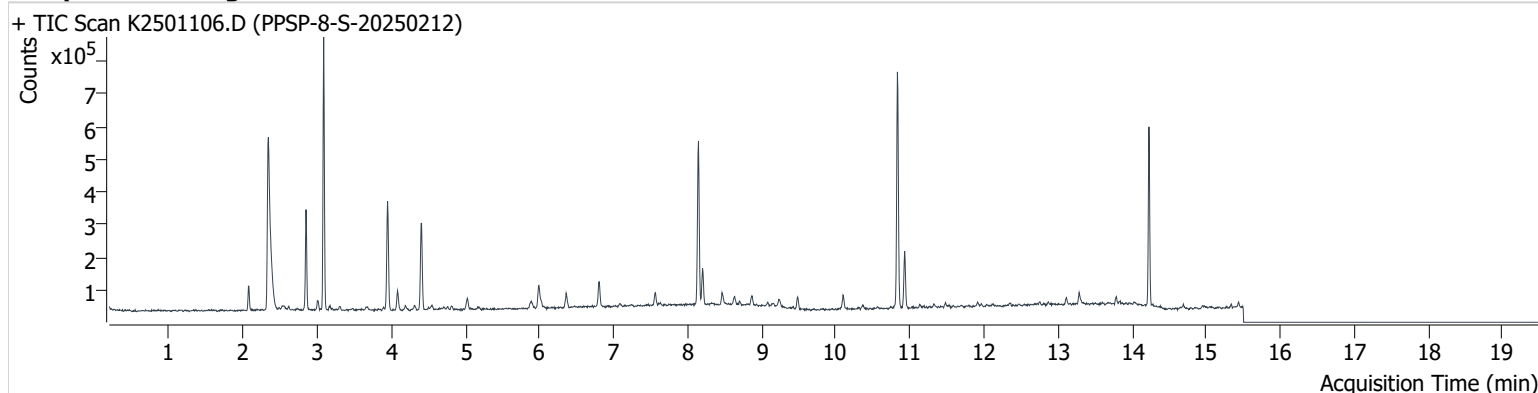


+ Scan (13.763-13.811 min, 7 scans) K2501105.D



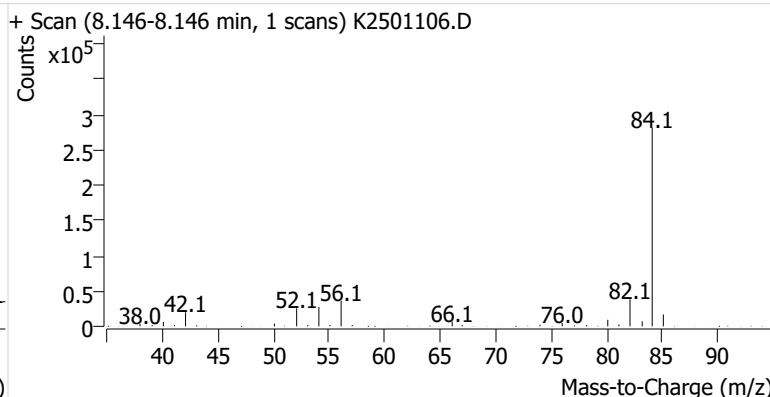
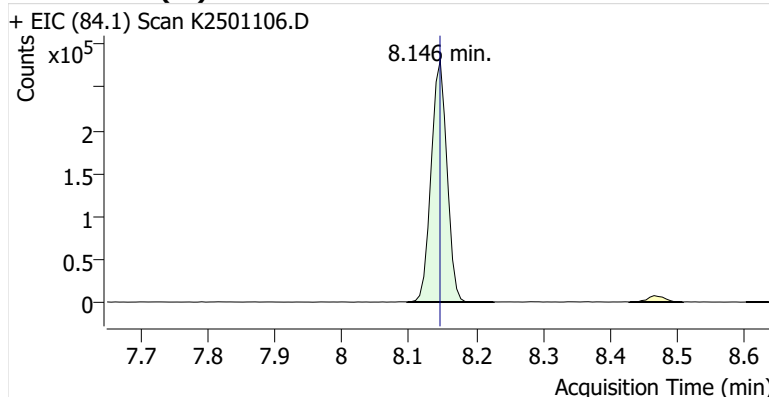
Name PPSP-8-S-20250212
Comment C00813
Data File K2501106.D
Acq. Date-Time 2/28/2025 6:29:46 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

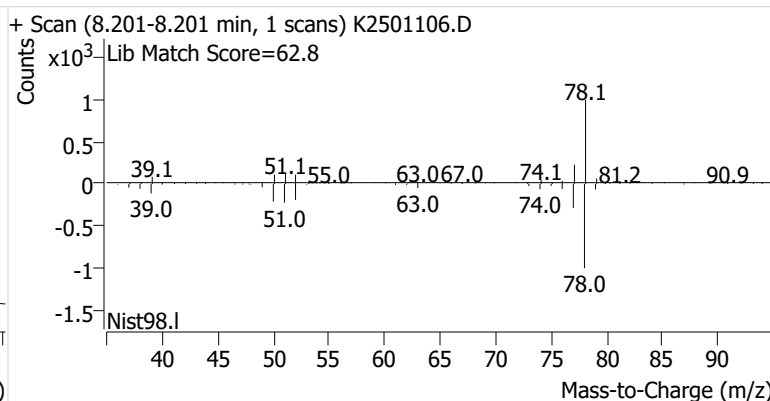
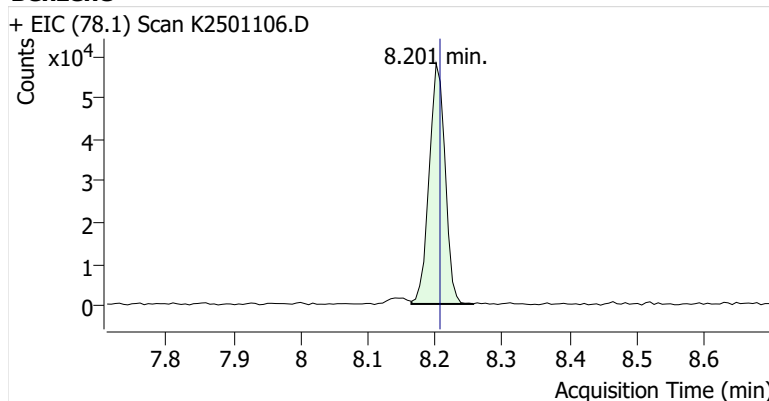


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	460,269	
Benzene	benzene-d6 (IS)	8.201	8.207	95,297	
Toluene-d8 (IS)		10.832	10.838	472,692	
Toluene	Toluene-d8 (IS)	10.930	10.930	114,418	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	12,293	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	24,176	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	10,965	

benzene-d6 (IS)

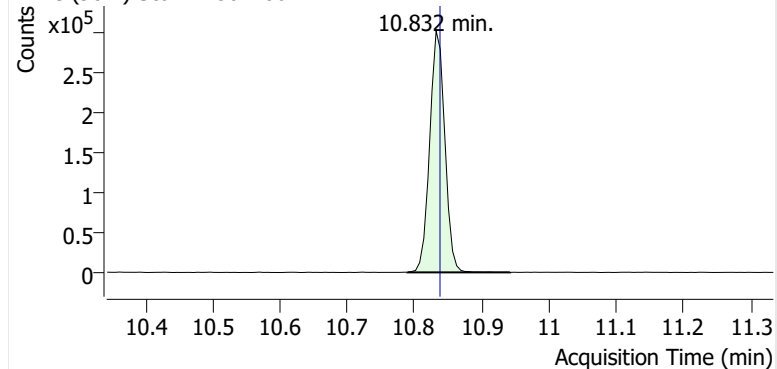


Benzene

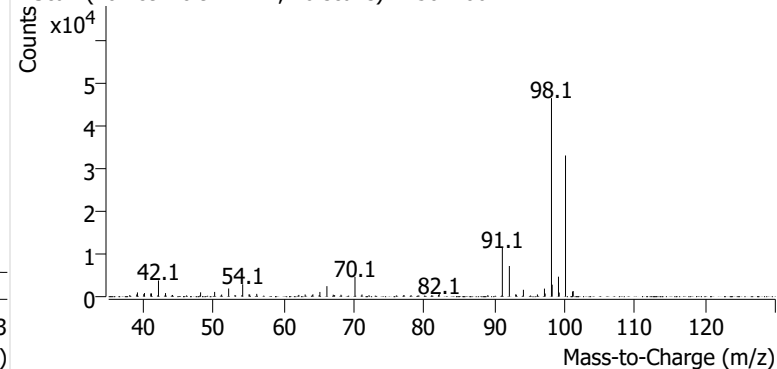


Toluene-d8 (IS)

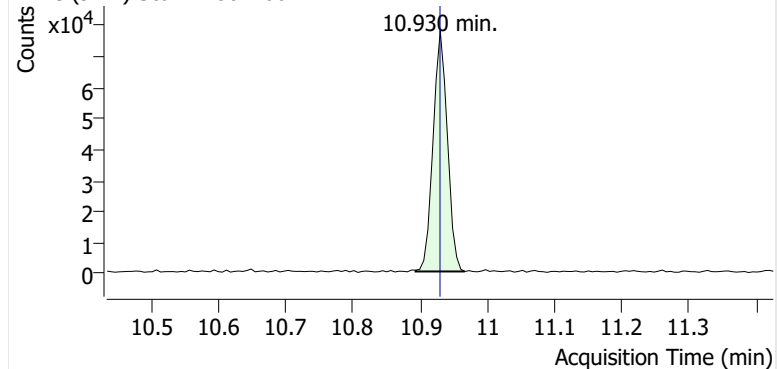
+ EIC (98.1) Scan K2501106.D



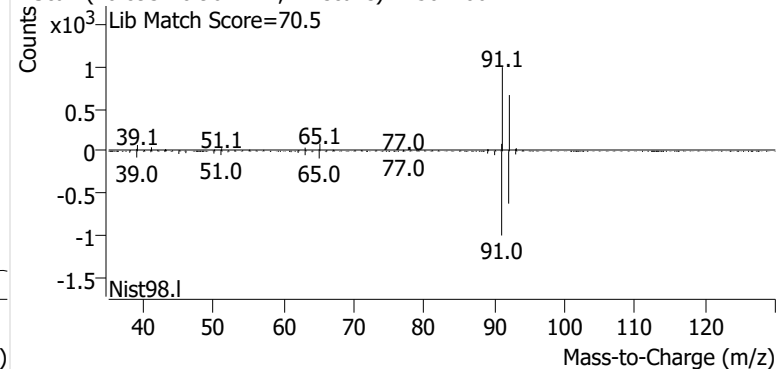
+ Scan (10.789-10.942 min, 26 scans) K2501106.D

**Toluene**

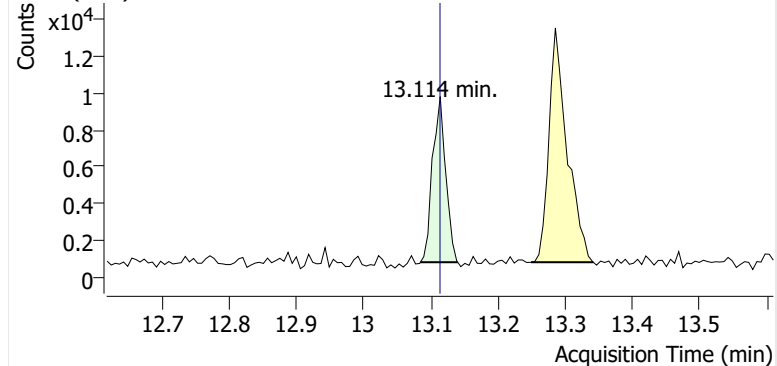
+ EIC (91.1) Scan K2501106.D



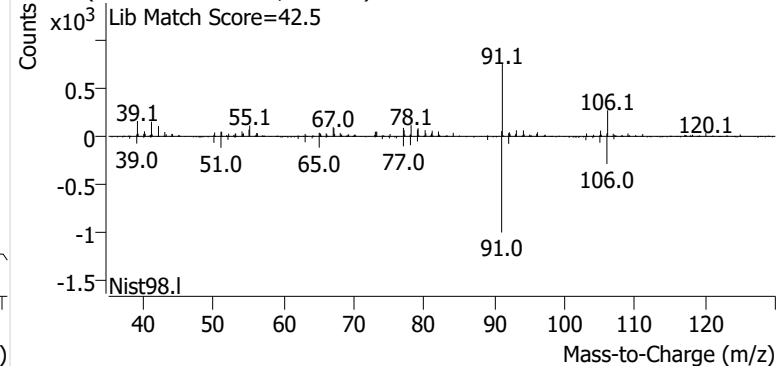
+ Scan (10.893-10.967 min, 12 scans) K2501106.D

**Ethylbenzene**

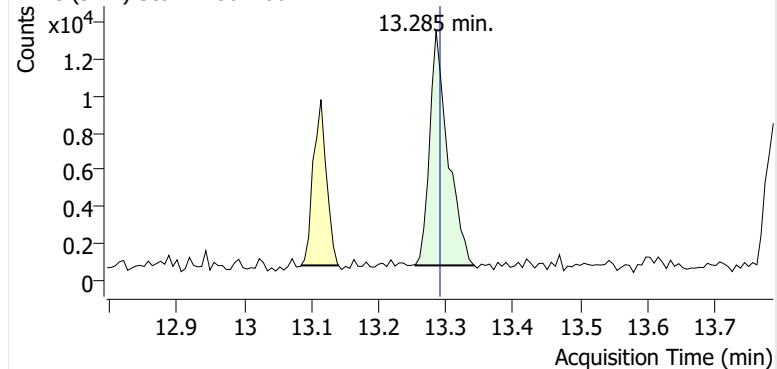
+ EIC (91.1) Scan K2501106.D



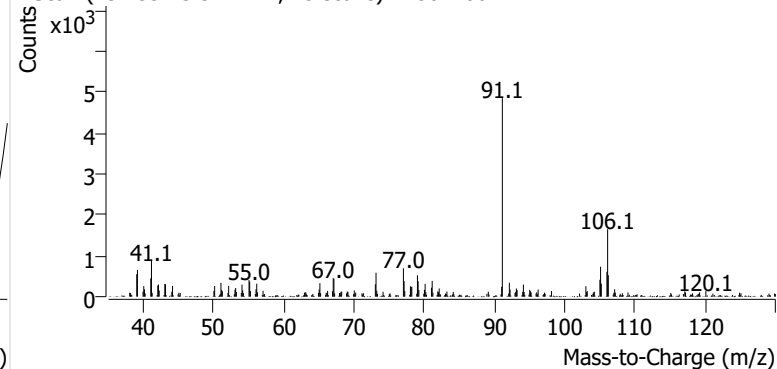
+ Scan (13.084-13.140 min, 9 scans) K2501106.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501106.D

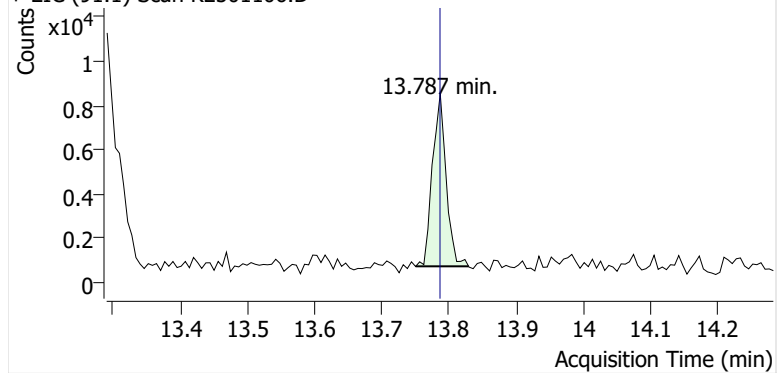


+ Scan (13.255-13.342 min, 15 scans) K2501106.D

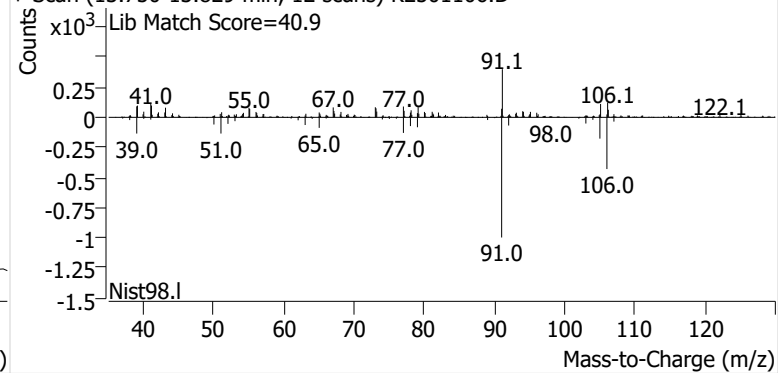


o-Xylene

+ EIC (91.1) Scan K2501106.D

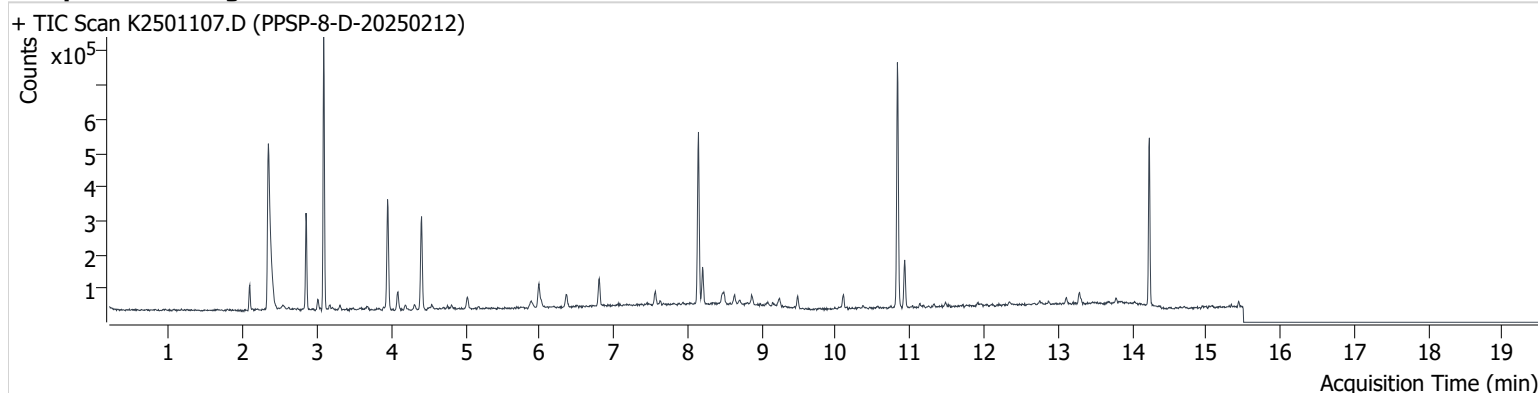


+ Scan (13.750-13.829 min, 12 scans) K2501106.D



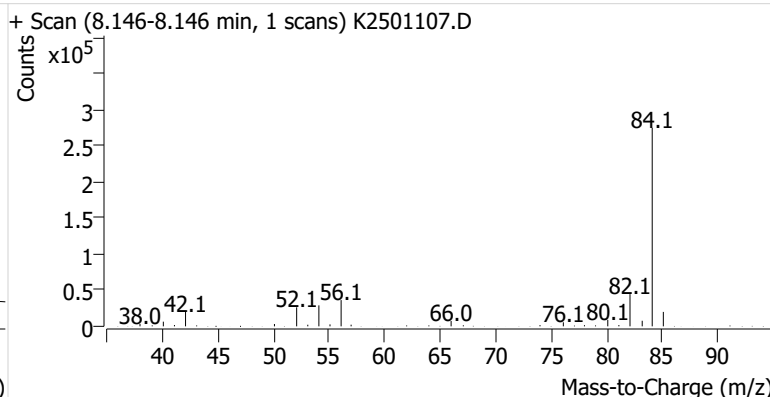
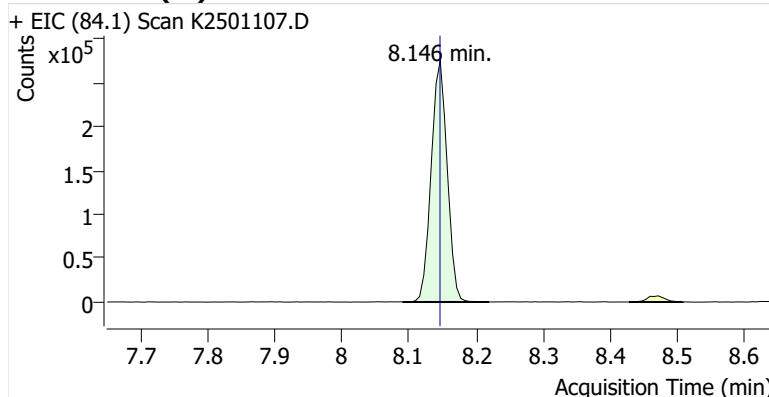
Name PPSP-8-D-20250212
Comment B22063
Data File K2501107.D
Acq. Date-Time 2/28/2025 6:57:21 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

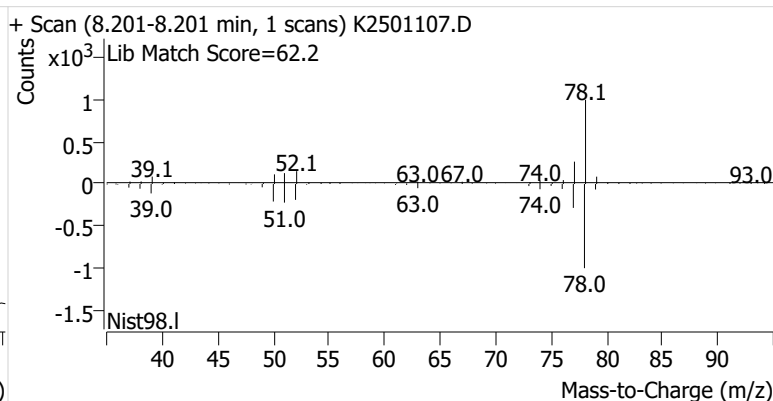
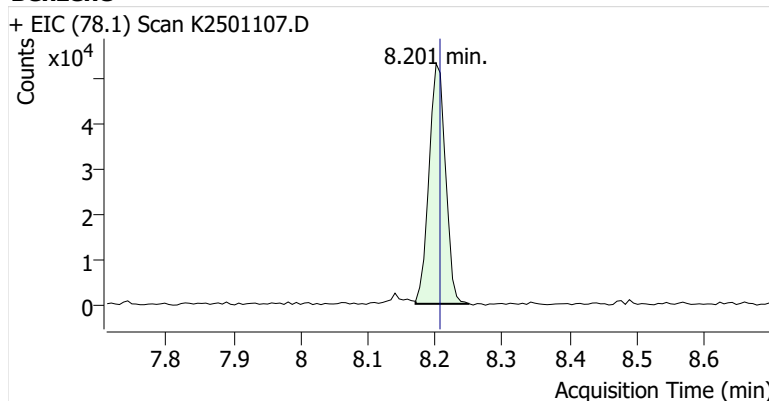


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	455,181	
Benzene	benzene-d6 (IS)	8.201	8.207	89,497	
Toluene-d8 (IS)		10.832	10.838	473,144	
Toluene	Toluene-d8 (IS)	10.930	10.930	91,617	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	12,414	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	20,899	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	8,899	

benzene-d6 (IS)

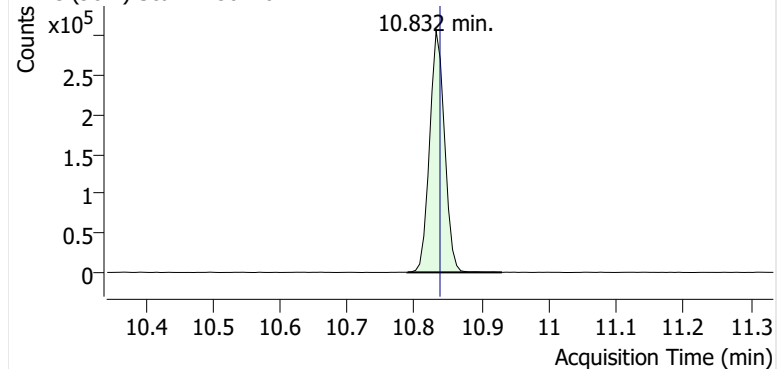


Benzene

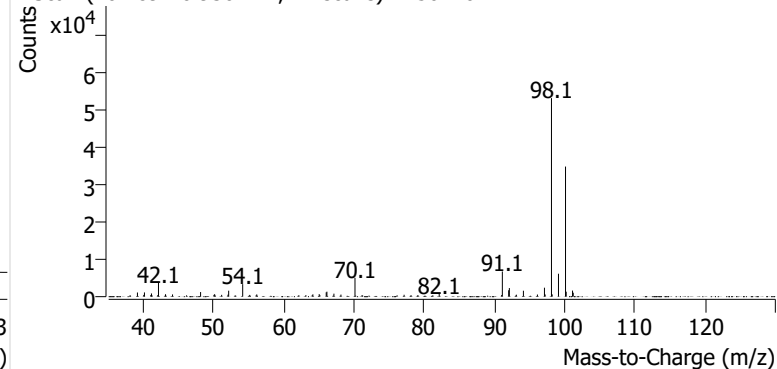


Toluene-d8 (IS)

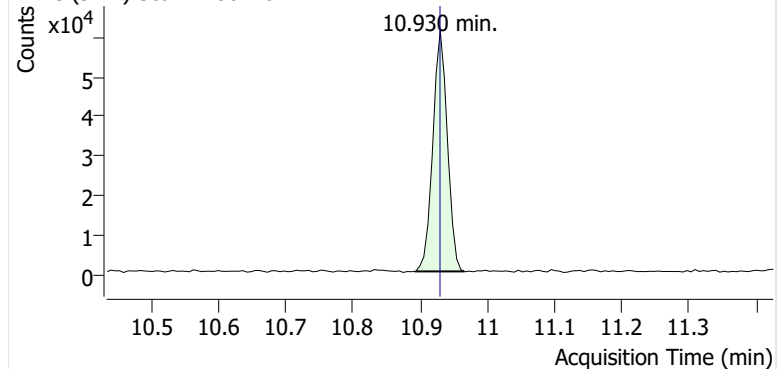
+ EIC (98.1) Scan K2501107.D



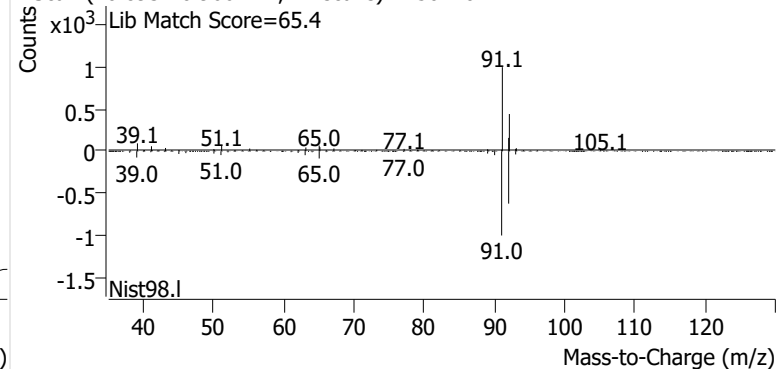
+ Scan (10.789-10.930 min, 24 scans) K2501107.D

**Toluene**

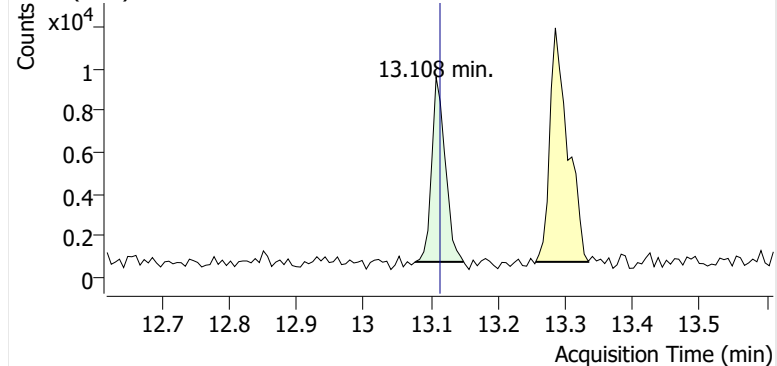
+ EIC (91.1) Scan K2501107.D



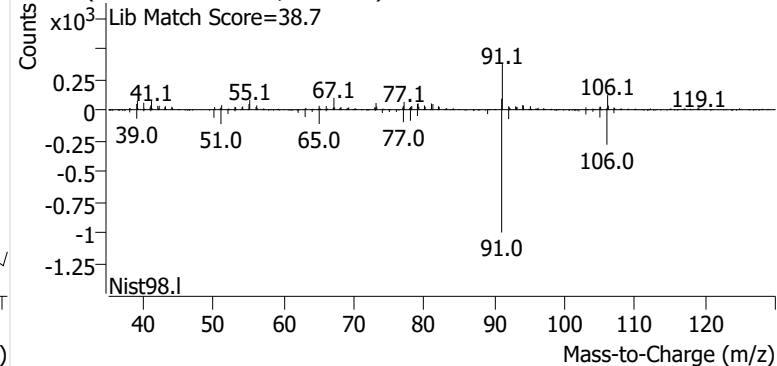
+ Scan (10.893-10.966 min, 12 scans) K2501107.D

**Ethylbenzene**

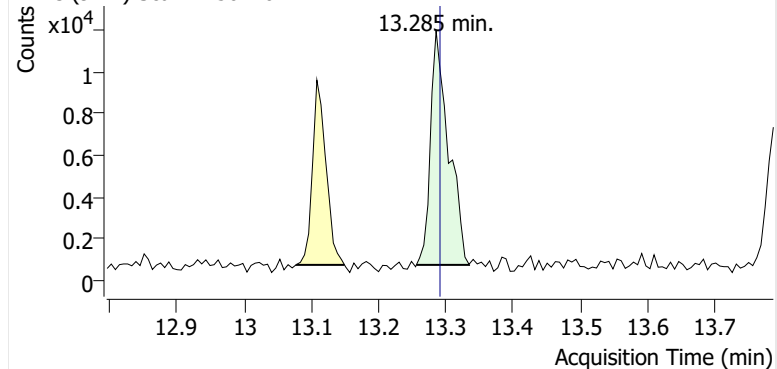
+ EIC (91.1) Scan K2501107.D



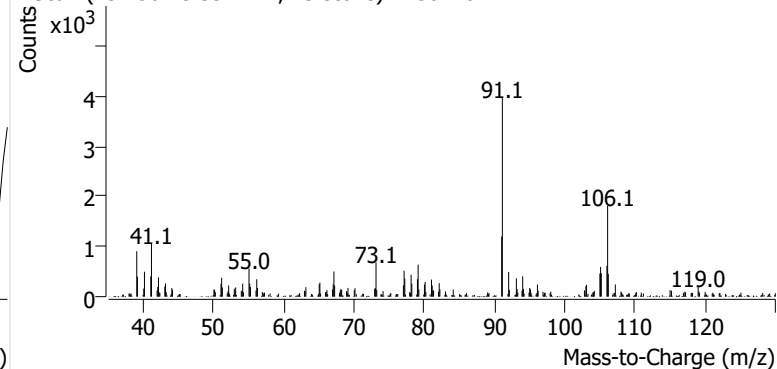
+ Scan (13.077-13.149 min, 12 scans) K2501107.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501107.D

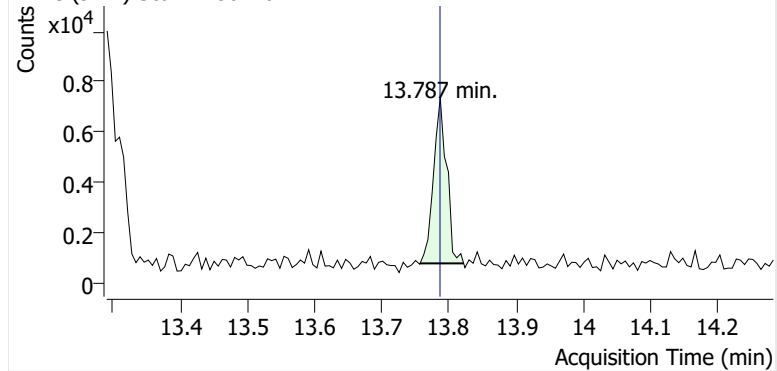


+ Scan (13.256-13.334 min, 13 scans) K2501107.D

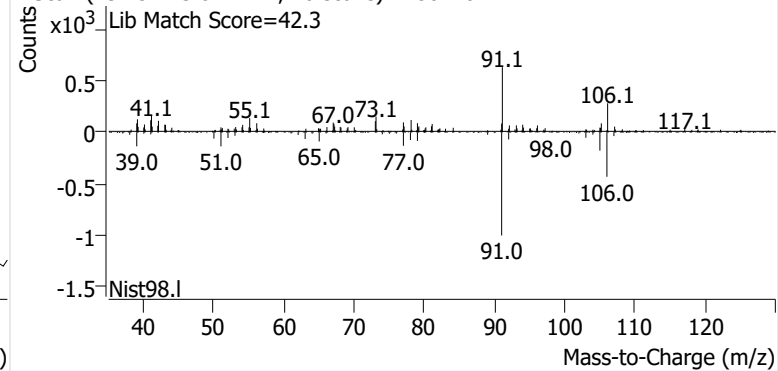


o-Xylene

+ EIC (91.1) Scan K2501107.D

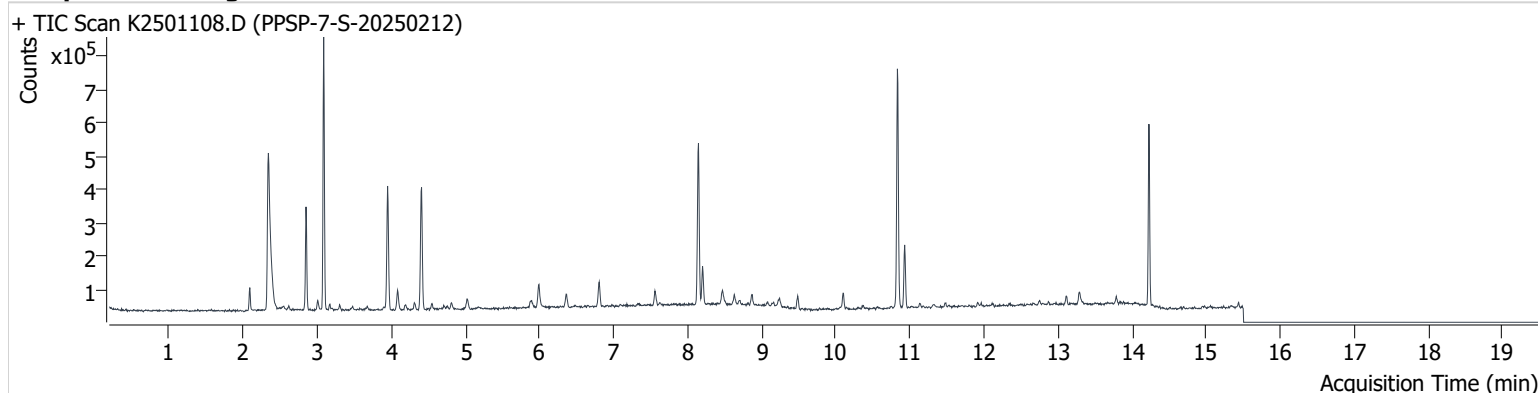


+ Scan (13.757-13.822 min, 10 scans) K2501107.D



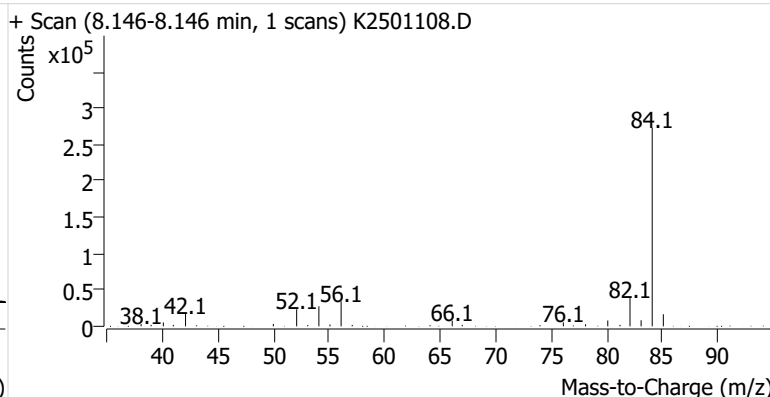
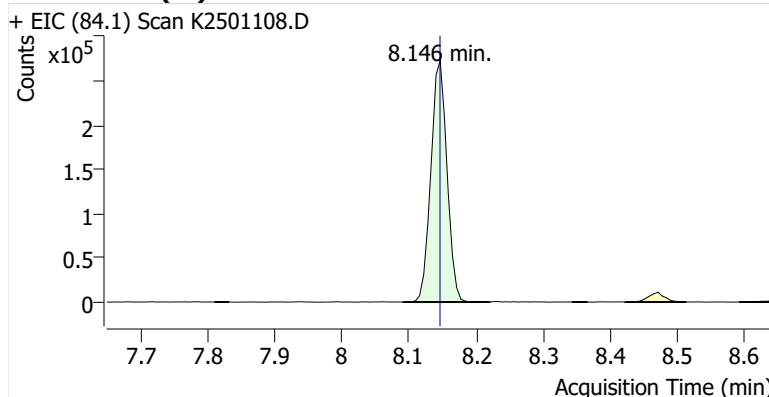
Name PPSP-7-S-20250212
Comment B40237
Data File K2501108.D
Acq. Date-Time 2/28/2025 7:24:57 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

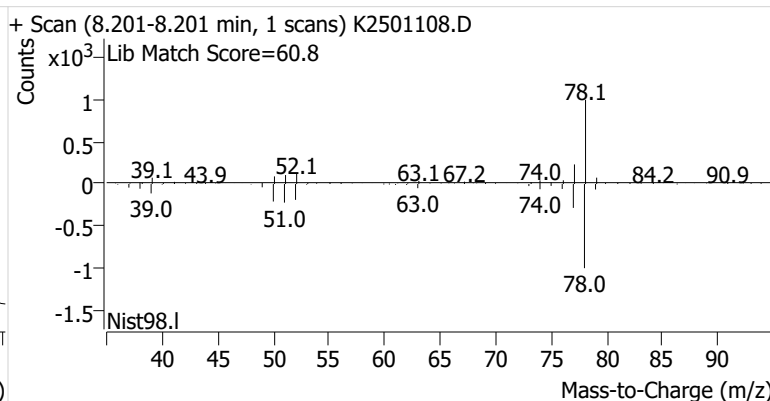
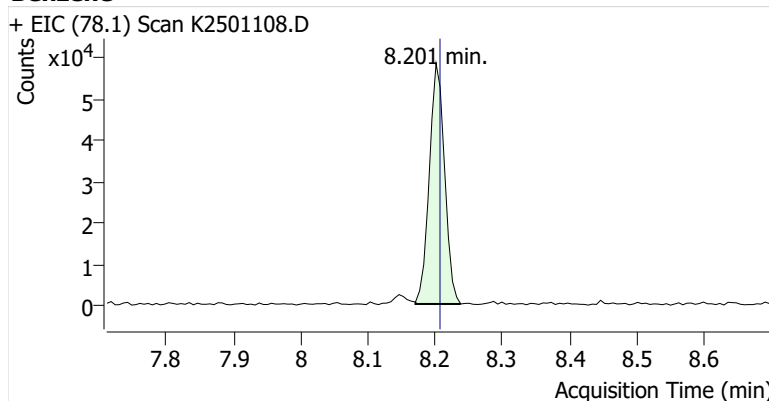


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.146	8.146	453,864	
Benzene	benzene-d6 (IS)	8.201	8.207	91,365	
Toluene-d8 (IS)		10.832	10.838	468,298	
Toluene	Toluene-d8 (IS)	10.930	10.930	126,599	
Ethylbenzene	Toluene-d8 (IS)	13.114	13.114	14,671	
m-/p-Xylene	Toluene-d8 (IS)	13.285	13.291	27,001	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	10,182	

benzene-d6 (IS)

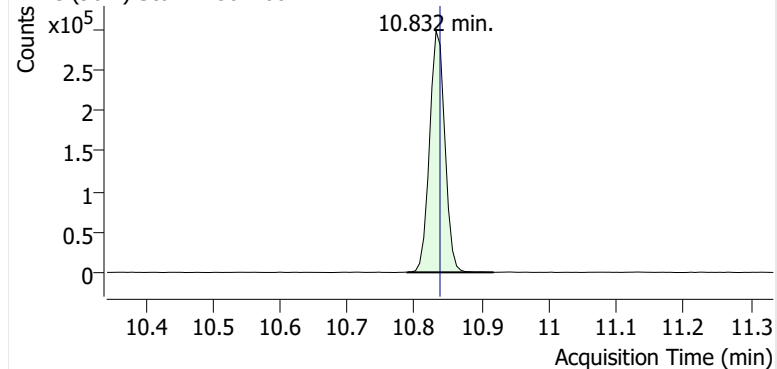


Benzene

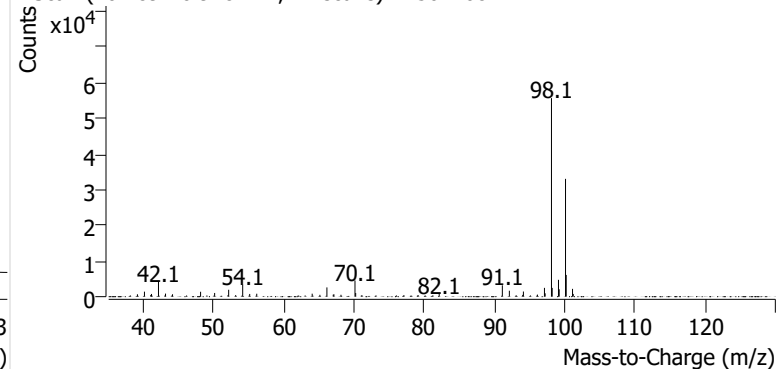


Toluene-d8 (IS)

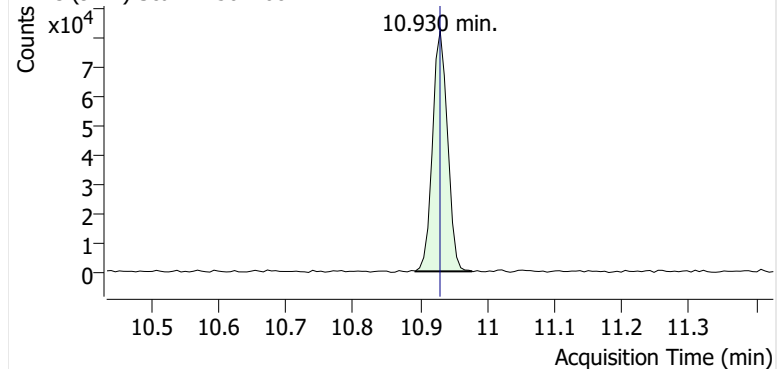
+ EIC (98.1) Scan K2501108.D



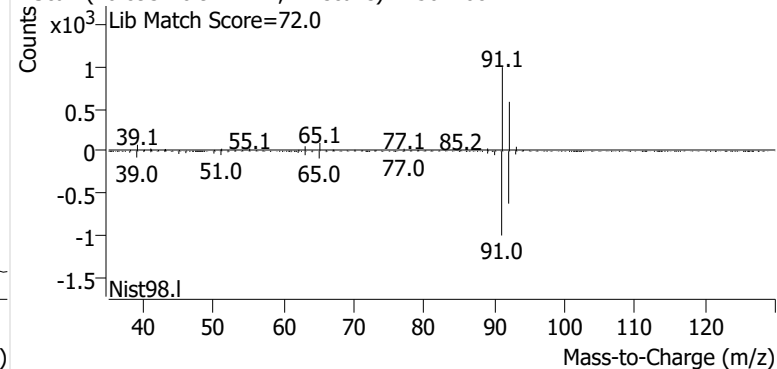
+ Scan (10.789-10.918 min, 22 scans) K2501108.D

**Toluene**

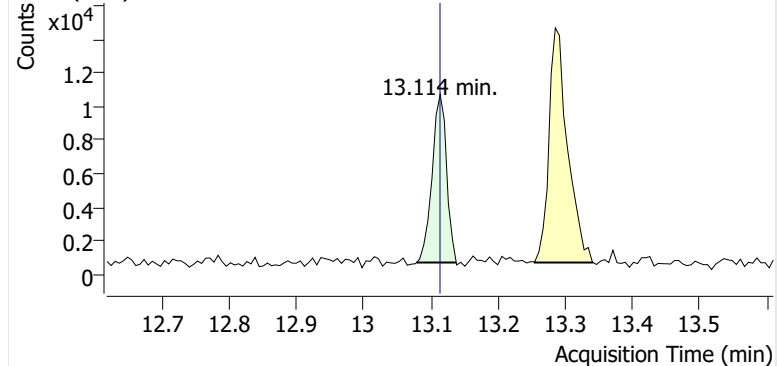
+ EIC (91.1) Scan K2501108.D



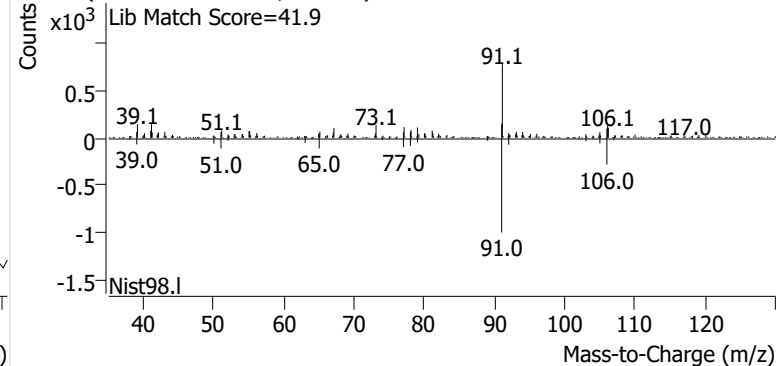
+ Scan (10.893-10.977 min, 14 scans) K2501108.D

**Ethylbenzene**

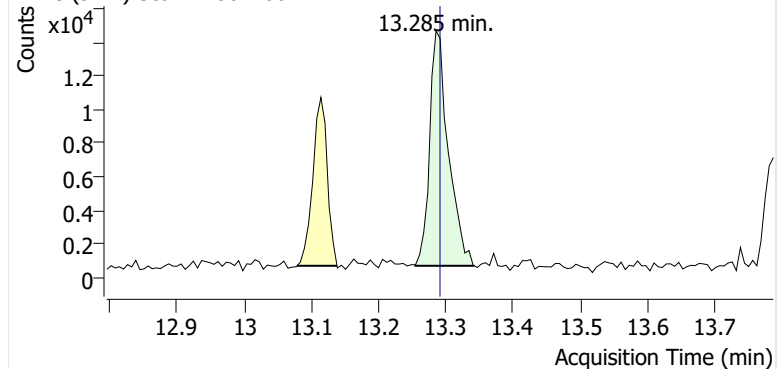
+ EIC (91.1) Scan K2501108.D



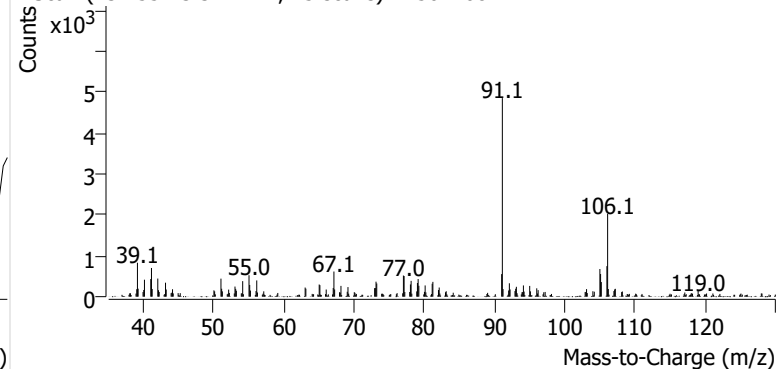
+ Scan (13.079-13.138 min, 9 scans) K2501108.D

**m-/p-Xylene**

+ EIC (91.1) Scan K2501108.D

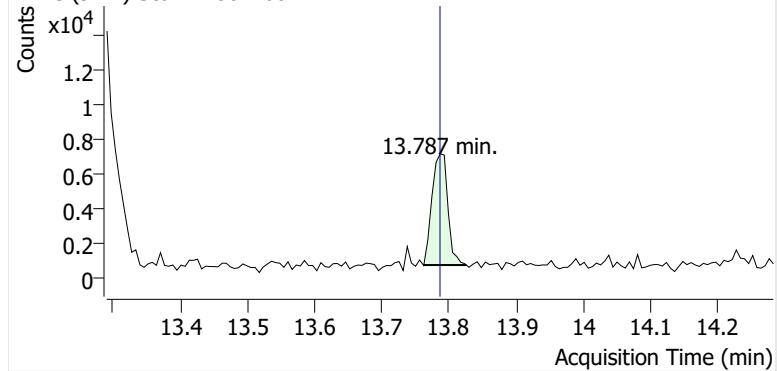


+ Scan (13.255-13.342 min, 15 scans) K2501108.D

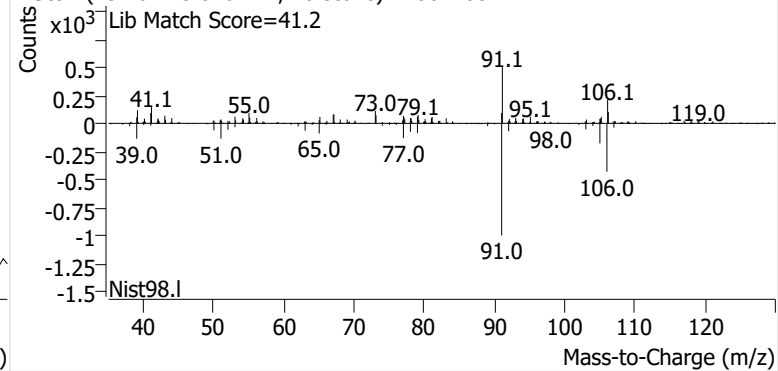


o-Xylene

+ EIC (91.1) Scan K2501108.D



+ Scan (13.762-13.826 min, 10 scans) K2501108.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501072.D	C31412	Cal	1.286	1.296	1.286	-0.78%	3.0%		Pass	
M325B CCV 5	K2501091.D	B14177	Check	1.263	1.296	1.286	-2.5%		-2.2%	Pass	
2025FW105 Method Blank-1	K2501092.D	B46925	Blank		1.296	1.286			-4.4%	Pass	ND
M325B CCV 5	K2501104.D	C57152	Check	1.256	1.296	1.286	-3.1%		-3.1%	Pass	
M325B CCV 5	K2501109.D	C40566	Check	1.266	1.296	1.286	-2.3%		-1.0%	Pass	

Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501072.D	C31412	Cal	1.453	1.430	1.453	1.6%	1.1%		Pass	
M325B CCV 5	K2501091.D	B14177	Check	1.412	1.430	1.453	-1.3%		-3.8%	Pass	
2025FW105 Method Blank-1	K2501092.D	B46925	Blank		1.430	1.453			-4.2%	Pass	ND
M325B CCV 5	K2501104.D	C57152	Check	1.409	1.430	1.453	-1.5%		-4.1%	Pass	
M325B CCV 5	K2501109.D	C40566	Check	1.405	1.430	1.453	-1.7%		-5.3%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501072.D	C31412	Cal	1.564	1.613	1.564	-3.0%	1.1%		Pass	
M325B CCV 5	K2501091.D	B14177	Check	1.373	1.613	1.564	-15%		-3.8%	Pass	
2025FW105 Method Blank-1	K2501092.D	B46925	Blank		1.613	1.564			-4.2%	Pass	ND
M325B CCV 5	K2501104.D	C57152	Check	1.405	1.613	1.564	-13%		-4.1%	Pass	
M325B CCV 5	K2501109.D	C40566	Check	1.465	1.613	1.564	-9.2%		-5.3%	Pass	

m-/p-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501072.D	C31412	Cal	1.130	1.228	1.130	-7.9%	1.1%		Pass	
M325B CCV 5	K2501091.D	B14177	Check	0.957	1.228	1.130	-22%		-3.8%	Pass	
2025FW105 Method Blank-1	K2501092.D	B46925	Blank		1.228	1.130			-4.2%	Pass	ND
M325B CCV 5	K2501104.D	C57152	Check	1.097	1.228	1.130	-11%		-4.1%	Pass	
M325B CCV 5	K2501109.D	C40566	Check	1.078	1.228	1.130	-12%		-5.3%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501072.D	C31412	Cal	1.145	1.190	1.145	-3.8%	1.1%		Pass	
M325B CCV 5	K2501091.D	B14177	Check	0.996	1.190	1.145	-16%		-3.8%	Pass	
2025FW105 Method Blank-1	K2501092.D	B46925	Blank		1.190	1.145			-4.2%	Pass	ND

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW105-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

o-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501104.D	C57152	Check	1.071	1.190	1.145	-10%		-4.1%	Pass	
M325B CCV 5	K2501109.D	C40566	Check	1.091	1.190	1.145	-8.3%		-5.3%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	Benzene	1	K2500836.D	4.87	60961	54.6	470007	1.453	0.12
K021725A_CC252679	Benzene	2	K2500837.D	9.75	108056	54.6	454349	1.332	0.028
K021725A_CC252679	Benzene	3	K2500838.D	19.50	219655	54.6	462733	1.329	0.026
K021725A_CC252679	Benzene	4	K2500839.D	39.00	426611	54.6	460489	1.297	0.00091
K021725A_CC252679	Benzene	5	K2500840.D	97.50	1059922	54.6	453461	1.309	0.01
K021725A_CC252679	Benzene	6	K2500841.D	195.00	2225965	54.6	481267	1.295	-0.00059
K021725A_CC252679	Benzene	7	K2500842.D	585.00	5460167	54.6	482512	1.056	-0.18
						Avg:	466402	1.296	
						%RSD:	2.6%	9.2%	
K021725A_CC252679	Toluene	1	K2500836.D	5.27	62785	64.4	497628	1.542	0.079
K021725A_CC252679	Toluene	2	K2500837.D	10.54	116863	64.4	504527	1.416	-0.0099
K021725A_CC252679	Toluene	3	K2500838.D	21.08	239305	64.4	476466	1.535	0.073
K021725A_CC252679	Toluene	4	K2500839.D	42.17	495329	64.4	506087	1.495	0.046
K021725A_CC252679	Toluene	5	K2500840.D	105.42	1187739	64.4	508172	1.428	-0.00097
K021725A_CC252679	Toluene	6	K2500841.D	210.84	2305491	64.4	488656	1.442	0.0083
K021725A_CC252679	Toluene	7	K2500842.D	632.53	5451931	64.4	482622	1.151	-0.2
						Avg:	494880	1.430	
						%RSD:	2.5%	9.3%	
K021725A_CC252679	Ethylbenzene	1	K2500836.D	5.07	67599	64.4	497628	1.727	0.071
K021725A_CC252679	Ethylbenzene	2	K2500837.D	10.13	138414	64.4	504527	1.744	0.082
K021725A_CC252679	Ethylbenzene	3	K2500838.D	20.27	251452	64.4	476466	1.678	0.04
K021725A_CC252679	Ethylbenzene	4	K2500839.D	40.53	534332	64.4	506087	1.678	0.041
K021725A_CC252679	Ethylbenzene	5	K2500840.D	101.33	1240633	64.4	508172	1.552	-0.037
K021725A_CC252679	Ethylbenzene	6	K2500841.D	202.67	2473435	64.4	488656	1.609	-0.0021
K021725A_CC252679	Ethylbenzene	7	K2500842.D	608.00	5913180	64.4	482622	1.298	-0.19
						Avg:	494880	1.613	
						%RSD:	2.5%	9.5%	
K021725A_CC252679	m-/p-Xylene	1	K2500836.D	4.79	45591	64.4	497628	1.234	0.0049
K021725A_CC252679	m-/p-Xylene	2	K2500837.D	9.57	94827	64.4	504527	1.265	0.031
K021725A_CC252679	m-/p-Xylene	3	K2500838.D	19.14	168093	64.4	476466	1.188	-0.033
K021725A_CC252679	m-/p-Xylene	4	K2500839.D	38.28	401228	64.4	506087	1.334	0.087
K021725A_CC252679	m-/p-Xylene	5	K2500840.D	95.70	850047	64.4	508172	1.126	-0.083
K021725A_CC252679	m-/p-Xylene	6	K2500841.D	191.41	1751615	64.4	488656	1.207	-0.017
K021725A_CC252679	m-/p-Xylene	7	K2500842.D	574.22	5330426	64.4	482622	1.239	0.0095
						Avg:	494880	1.228	
						%RSD:	2.5%	5.3%	
K021725A_CC252679	o-Xylene	1	K2500836.D	4.99	48135	64.4	497628	1.249	0.05
K021725A_CC252679	o-Xylene	2	K2500837.D	9.98	95828	64.4	504527	1.226	0.031
K021725A_CC252679	o-Xylene	3	K2500838.D	19.96	177325	64.4	476466	1.201	0.0097

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW105-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	o-Xylene	4	K2500839.D	39.93	409734	64.4	506087	1.306	0.098
K021725A_CC252679	o-Xylene	5	K2500840.D	99.82	867973	64.4	508172	1.102	-0.073
K021725A_CC252679	o-Xylene	6	K2500841.D	199.64	1786921	64.4	488656	1.180	-0.0079
K021725A_CC252679	o-Xylene	7	K2500842.D	598.91	4765191	64.4	482622	1.062	-0.11
						Avg:	494880	1.190	
						%RSD:	2.5%	7.1%	

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	Benzene	ICV	K2500846.D	63.10	667735	54.6	470234	1.229	-5.2%
K021725A_CC252679	Toluene	ICV	K2500846.D	75.25	830821	64.4	512880	1.387	-3.0%
K021725A_CC252679	Ethylbenzene	ICV	K2500846.D	84.72	919736	64.4	512880	1.364	-15.0%
K021725A_CC252679	m-/p-Xylene	ICV	K2500846.D	88.18	715651	64.4	512880	1.020	-17.0%
K021725A_CC252679	o-Xylene	ICV	K2500846.D	86.80	656650	64.4	512880	0.950	-20.0%

M325B PDF Report ver.20250224

**This Is The Last Page
Of This Report.**



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 17

Analytical Report (2025FW106)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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QA REVIEW PERFORMED BY
ENEKO ETXAURI OTEGI
QA ASSOCIATE I

Report Issued: 03/25/2025



Summary of Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20250226	C43215	0.594	ND	0.676	J	ND	ND	ND	J	ND	ND
PPSP-5-S-20250226	C39261	0.562		0.658		ND		ND		ND	
PPSP-4-S-20250226	C24196	0.604		0.653		ND		ND		ND	
PPSP-3-S-20250226	B49705	0.595		0.626		ND		ND		ND	
PPSP-2-S-20250226	C40679	0.594		0.537		ND		ND		ND	
PPSP-1-S-20250226	B15121	1.07		0.998		ND		ND		ND	
PPSP-1-B-20250226	C43284			ND		ND		ND		ND	
PPSP-13-S-20250226	B48188	0.924		0.529		ND		ND		ND	
PPSP-12-S-20250226	B15544	1.43		0.873		ND		ND		ND	
PPSP-11-S-20250226	B49560	1.22		0.768		ND		ND		ND	
PPSP-10-S-20250226	B50574	0.840		0.738		ND		0.281		ND	
PPSP-9-S-20250226	C34191	0.792		0.683		ND		0.302		ND	
PPSP-8-S-20250226	B15760	0.708		0.739		ND		ND		ND	
PPSP-8-D-20250226	B31728	0.630		0.653		ND		ND		ND	
PPSP-7-S-20250226	B51020	0.658		0.725		ND		ND		ND	

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250226	C43215	0.594	0.186	7.70	33.2	0.642	20180	0.193	0.388	0.0604	0.122		P2501726.D	2025-03-14 18:19	0.863	8.409	61899	841637	90.3	8.355	-1.6%
PPSP-5-S-20250226	C39261	0.562	0.176	7.28	33.2	0.642	20176	0.193	0.388	0.0604	0.122		P2501727.D	2025-03-14 18:57	0.863	8.408	57174	821771	90.3	8.355	-3.9%
PPSP-4-S-20250226	C24196	0.604	0.189	7.83	33.2	0.642	20176	0.193	0.388	0.0604	0.122		P2501728.D	2025-03-14 19:34	0.863	8.408	62401	834418	90.3	8.349	-2.4%
PPSP-3-S-20250226	B49705	0.595	0.186	7.71	33.2	0.642	20177	0.193	0.388	0.0604	0.122		P2501729.D	2025-03-14 20:11	0.863	8.408	61679	836912	90.3	8.349	-2.1%
PPSP-2-S-20250226	C40679	0.594	0.186	7.70	33.2	0.642	20178	0.193	0.388	0.0604	0.122		P2501730.D	2025-03-14 20:48	0.863	8.403	60179	817840	90.3	8.349	-4.3%
PPSP-1-S-20250226	B15121	1.07	0.335	13.9	33.2	0.642	20180	0.193	0.388	0.0604	0.122		P2501731.D	2025-03-14 21:26	0.863	8.408	112753	850809	90.3	8.349	-0.5%
PPSP-1-B-20250226	C43284				33.2	0.642	20180	0.193	0.388	0.0604	0.122	ND	P2501725.D	2025-03-14 17:42	0.863	8.355	9185	829744	90.3	8.355	-2.9%
PPSP-13-S-20250226	B48188	0.924	0.289	12.0	33.2	0.642	20182	0.193	0.388	0.0604	0.122		P2501732.D	2025-03-14 22:03	0.863	8.408	96585	843849	90.3	8.349	-1.3%
PPSP-12-S-20250226	B15544	1.43	0.448	18.5	33.2	0.642	20183	0.193	0.388	0.0604	0.122		P2501733.D	2025-03-14 22:40	0.863	8.408	147951	835053	90.3	8.349	-2.3%
PPSP-11-S-20250226	B49560	1.22	0.381	15.8	33.2	0.642	20184	0.193	0.388	0.0604	0.122		P2501734.D	2025-03-14 23:17	0.863	8.408	124863	829486	90.3	8.349	-3.0%
PPSP-10-S-20250226	B50574	0.840	0.263	10.9	33.2	0.642	20188	0.193	0.388	0.0604	0.122		P2501736.D	2025-03-15 00:32	0.863	8.403	86385	830002	90.3	8.355	-2.9%
PPSP-9-S-20250226	C34191	0.792	0.248	10.3	33.2	0.642	20188	0.193	0.388	0.0604	0.122		P2501737.D	2025-03-15 01:09	0.863	8.402	83173	848075	90.3	8.349	-0.8%
PPSP-8-S-20250226	B15760	0.708	0.222	9.18	33.2	0.642	20190	0.193	0.388	0.0604	0.122		P2501738.D	2025-03-15 01:46	0.863	8.408	72244	823939	90.3	8.355	-3.6%
PPSP-8-D-20250226	B31728	0.630	0.197	8.17	33.2	0.642	20190	0.193	0.388	0.0604	0.122		P2501739.D	2025-03-15 02:24	0.863	8.402	64519	826802	90.3	8.349	-3.3%
PPSP-7-S-20250226	B51020	0.658	0.206	8.53	33.2	0.642	20193	0.193	0.388	0.0604	0.122		P2501740.D	2025-03-15 03:01	0.863	8.408	67408	826633	90.3	8.355	-3.3%

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250226	C43215	0.676	0.180	6.80	33.2	0.498	20180	0.249	0.541	0.0660	0.144		P2501726.D	2025-03-14 18:19	0.831	11.008	53921	1004840	105.3	10.913	-1.0%
PPSP-5-S-20250226	C39261	0.658	0.175	6.62	33.2	0.498	20176	0.249	0.541	0.0660	0.144		P2501727.D	2025-03-14 18:57	0.831	11.008	51881	993819	105.3	10.913	-2.1%
PPSP-4-S-20250226	C24196	0.653	0.173	6.57	33.2	0.498	20176	0.249	0.541	0.0660	0.144		P2501728.D	2025-03-14 19:34	0.831	11.008	52350	1010315	105.3	10.913	-0.4%
PPSP-3-S-20250226	B49705	0.626	0.166	6.30	33.2	0.498	20177	0.249	0.541	0.0660	0.144		P2501729.D	2025-03-14 20:11	0.831	11.008	47746	961127	105.3	10.913	-5.3%
PPSP-2-S-20250226	C40679	0.537	0.143	5.40	33.2	0.498	20178	0.249	0.541	0.0660	0.144	J	P2501730.D	2025-03-14 20:48	0.831	11.008	41965	985338	105.3	10.913	-2.9%
PPSP-1-S-20250226	B15121	0.998	0.265	10.0	33.2	0.498	20180	0.249	0.541	0.0660	0.144		P2501731.D	2025-03-14 21:26	0.831	11.008	80354	1014345	105.3	10.913	-0.1%
PPSP-1-B-20250226	C43284				33.2	0.498	20180	0.249	0.541	0.0660	0.144	ND	P2501725.D	2025-03-14 17:42	0.831	11.014	5497	995791	105.3	10.919	-1.9%
PPSP-13-S-20250226	B48188	0.529	0.140	5.32	33.2	0.498	20182	0.249	0.541	0.0660	0.144	J	P2501732.D	2025-03-14 22:03	0.831	11.008	42034	1001993	105.3	10.913	-1.3%
PPSP-12-S-20250226	B15544	0.873	0.232	8.78	33.2	0.498	20183	0.249	0.541	0.0660	0.144		P2501733.D	2025-03-14 22:40	0.831	11.008	68489	988851	105.3	10.913	-2.6%
PPSP-11-S-20250226	B49560	0.768	0.204	7.72	33.2	0.498	20184	0.249	0.541	0.0660	0.144		P2501734.D	2025-03-14 23:17	0.831	11.008	60529	993044	105.3	10.913	-2.2%
PPSP-10-S-20250226	B50574	0.738	0.196	7.43	33.2	0.498	20188	0.248	0.541	0.0660	0.144		P2501736.D	2025-03-15 00:32	0.831	11.008	59177	1009710	105.3	10.913	-0.5%
PPSP-9-S-20250226	C34191	0.683	0.181	6.87	33.2	0.498	20188	0.248	0.541	0.0660	0.144		P2501737.D	2025-03-15 01:09	0.831	11.008	53472	986842	105.3	10.913	-2.8%
PPSP-8-S-20250226	B15760	0.739	0.196	7.44	33.2	0.498	20190	0.248	0.541	0.0660	0.144		P2501738.D	2025-03-15 01:46	0.831	11.008	59219	1009290	105.3	10.913	-0.6%
PPSP-8-D-20250226	B31728	0.653	0.173	6.57	33.2	0.498	20190	0.248	0.541	0.0660	0.144		P2501739.D	2025-03-15 02:24	0.831	11.008	51730	997274	105.3	10.913	-1.7%
PPSP-7-S-20250226	B51020	0.725	0.193	7.30	33.2	0.498	20193	0.248	0.541	0.0660	0.144		P2501740.D	2025-03-15 03:01	0.831	11.008	57099	991496	105.3	10.913	-2.3%

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250226	C43215				33.2	0.441	20180	0.281	0.588	0.0648	0.135	ND	P2501726.D	2025-03-14 18:19	0.980	13.139	7566	1004840	105.3	10.913	-1.0%
PPSP-5-S-20250226	C39261				33.2	0.441	20176	0.281	0.588	0.0648	0.135	ND	P2501727.D	2025-03-14 18:57	0.980	13.139	6978	993819	105.3	10.913	-2.1%
PPSP-4-S-20250226	C24196				33.2	0.441	20176	0.281	0.588	0.0648	0.135	ND	P2501728.D	2025-03-14 19:34	0.980	13.139	7317	1010315	105.3	10.913	-0.4%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20250226	B49705				33.2	0.441	20177	0.281	0.588	0.0648	0.135	ND	P2501729.D	2025-03-14 20:11	0.980	13.139	7765	961127	105.3	10.913	-5.3%
PPSP-2-S-20250226	C40679				33.2	0.441	20178	0.281	0.588	0.0648	0.135	ND	P2501730.D	2025-03-14 20:48	0.980	13.139	5750	985338	105.3	10.913	-2.9%
PPSP-1-S-20250226	B15121				33.2	0.441	20180	0.281	0.588	0.0648	0.135	ND	P2501731.D	2025-03-14 21:26	0.980	13.139	8939	1014345	105.3	10.913	-0.1%
PPSP-1-B-20250226	C43284				33.2	0.441	20180	0.281	0.588	0.0648	0.135	ND	P2501725.D	2025-03-14 17:42	0.980	13.145	1584	995791	105.3	10.919	-1.9%
PPSP-13-S-20250226	B48188				33.2	0.441	20182	0.281	0.588	0.0648	0.135	ND	P2501732.D	2025-03-14 22:03	0.980	13.139	4313	1001993	105.3	10.913	-1.3%
PPSP-12-S-20250226	B15544				33.2	0.441	20183	0.281	0.588	0.0648	0.135	ND	P2501733.D	2025-03-14 22:40	0.980	13.139	8097	988851	105.3	10.913	-2.6%
PPSP-11-S-20250226	B49560				33.2	0.441	20184	0.281	0.588	0.0647	0.135	ND	P2501734.D	2025-03-14 23:17	0.980	13.139	7992	993044	105.3	10.913	-2.2%
PPSP-10-S-20250226	B50574				33.2	0.441	20188	0.281	0.588	0.0647	0.135	ND	P2501736.D	2025-03-15 00:32	0.980	13.139	13667	1009710	105.3	10.913	-0.5%
PPSP-9-S-20250226	C34191				33.2	0.441	20188	0.281	0.588	0.0647	0.135	ND	P2501737.D	2025-03-15 01:09	0.980	13.139	8902	986842	105.3	10.913	-2.8%
PPSP-8-S-20250226	B15760				33.2	0.441	20190	0.281	0.587	0.0647	0.135	ND	P2501738.D	2025-03-15 01:46	0.980	13.139	9116	1009290	105.3	10.913	-0.6%
PPSP-8-D-20250226	B31728				33.2	0.441	20190	0.281	0.587	0.0647	0.135	ND	P2501739.D	2025-03-15 02:24	0.980	13.139	8558	997274	105.3	10.913	-1.7%
PPSP-7-S-20250226	B51020				33.2	0.441	20193	0.281	0.587	0.0647	0.135	ND	P2501740.D	2025-03-15 03:01	0.980	13.139	8552	991496	105.3	10.913	-2.3%

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250226	C43215				33.2	0.441	20180	0.281	0.555	0.0648	0.128	ND	P2501726.D	2025-03-14 18:19	0.775	13.317	17468	1004840	105.3	10.913	-1.0%
PPSP-5-S-20250226	C39261				33.2	0.441	20176	0.281	0.555	0.0648	0.128	ND	P2501727.D	2025-03-14 18:57	0.775	13.311	14095	993819	105.3	10.913	-2.1%
PPSP-4-S-20250226	C24196				33.2	0.441	20176	0.281	0.555	0.0648	0.128	ND	P2501728.D	2025-03-14 19:34	0.775	13.311	13307	1010315	105.3	10.913	-0.4%
PPSP-3-S-20250226	B49705				33.2	0.441	20177	0.281	0.555	0.0648	0.128	ND	P2501729.D	2025-03-14 20:11	0.775	13.311	13643	961127	105.3	10.913	-5.3%
PPSP-2-S-20250226	C40679				33.2	0.441	20178	0.281	0.555	0.0648	0.128	ND	P2501730.D	2025-03-14 20:48	0.775	13.305	12003	985338	105.3	10.913	-2.9%
PPSP-1-S-20250226	B15121				33.2	0.441	20180	0.281	0.555	0.0648	0.128	ND	P2501731.D	2025-03-14 21:26	0.775	13.305	11983	1014345	105.3	10.913	-0.1%
PPSP-1-B-20250226	C43284				33.2	0.441	20180	0.281	0.555	0.0648	0.128	ND	P2501725.D	2025-03-14 17:42	0.775	13.323	1293	995791	105.3	10.919	-1.9%
PPSP-13-S-20250226	B48188				33.2	0.441	20182	0.281	0.555	0.0648	0.128	ND	P2501732.D	2025-03-14 22:03	0.775	13.311	6740	1001993	105.3	10.913	-1.3%
PPSP-12-S-20250226	B15544				33.2	0.441	20183	0.281	0.555	0.0648	0.128	ND	P2501733.D	2025-03-14 22:40	0.775	13.305	17089	988851	105.3	10.913	-2.6%
PPSP-11-S-20250226	B49560				33.2	0.441	20184	0.281	0.555	0.0647	0.128	ND	P2501734.D	2025-03-14 23:17	0.775	13.311	15073	993044	105.3	10.913	-2.2%
PPSP-10-S-20250226	B50574	0.281	0.0648	2.50	33.2	0.441	20188	0.281	0.555	0.0647	0.128	J	P2501736.D	2025-03-15 00:32	0.775	13.311	18599	1009710	105.3	10.913	-0.5%
PPSP-9-S-20250226	C34191	0.302	0.0695	2.69	33.2	0.441	20188	0.281	0.555	0.0647	0.128	J	P2501737.D	2025-03-15 01:09	0.775	13.311	19510	986842	105.3	10.913	-2.8%
PPSP-8-S-20250226	B15760				33.2	0.441	20190	0.281	0.555	0.0647	0.128	ND	P2501738.D	2025-03-15 01:46	0.775	13.311	13940	1009290	105.3	10.913	-0.6%
PPSP-8-D-20250226	B31728				33.2	0.441	20190	0.281	0.555	0.0647	0.128	ND	P2501739.D	2025-03-15 02:24	0.775	13.311	16030	997274	105.3	10.913	-1.7%
PPSP-7-S-20250226	B51020				33.2	0.441	20193	0.281	0.555	0.0647	0.128	ND	P2501740.D	2025-03-15 03:01	0.775	13.311	16594	991496	105.3	10.913	-2.3%

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250226	C43215				33.2	0.441	20180	0.281	0.579	0.0648	0.133	ND	P2501726.D	2025-03-14 18:19	0.782	13.804	6771	1004840	105.3	10.913	-1.0%
PPSP-5-S-20250226	C39261				33.2	0.441	20176	0.281	0.579	0.0648	0.133	ND	P2501727.D	2025-03-14 18:57	0.782	13.798	5067	993819	105.3	10.913	-2.1%
PPSP-4-S-20250226	C24196				33.2	0.441	20176	0.281	0.579	0.0648	0.133	ND	P2501728.D	2025-03-14 19:34	0.782	13.804	5284	1010315	105.3	10.913	-0.4%
PPSP-3-S-20250226	B49705				33.2	0.441	20177	0.281	0.579	0.0648	0.133	ND	P2501729.D	2025-03-14 20:11	0.782	13.798	5746	961127	105.3	10.913	-5.3%
PPSP-2-S-20250226	C40679				33.2	0.441	20178	0.281	0.579	0.0648	0.133	ND	P2501730.D	2025-03-14 20:48	0.782	13.804	4722	985338	105.3	10.913	-2.9%
PPSP-1-S-20250226	B15121				33.2	0.441	20180	0.281	0.579	0.0648	0.133	ND	P2501731.D	2025-03-14 21:26	0.782	13.798	4837	1014345	105.3	10.913	-0.1%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp (°F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-B-20250226	C43284				33.2	0.441	20180	0.281	0.579	0.0648	0.133	ND	P2501725.D	2025-03-14 17:42	0.782	13.804	840	995791	105.3	10.919	-1.9%
PPSP-13-S-20250226	B48188				33.2	0.441	20182	0.281	0.579	0.0648	0.133	ND	P2501732.D	2025-03-14 22:03	0.782	13.804	2786	1001993	105.3	10.913	-1.3%
PPSP-12-S-20250226	B15544				33.2	0.441	20183	0.281	0.579	0.0648	0.133	ND	P2501733.D	2025-03-14 22:40	0.782	13.798	6896	988851	105.3	10.913	-2.6%
PPSP-11-S-20250226	B49560				33.2	0.441	20184	0.281	0.579	0.0647	0.133	ND	P2501734.D	2025-03-14 23:17	0.782	13.803	5827	993044	105.3	10.913	-2.2%
PPSP-10-S-20250226	B50574				33.2	0.441	20188	0.281	0.579	0.0647	0.133	ND	P2501736.D	2025-03-15 00:32	0.782	13.798	9047	1009710	105.3	10.913	-0.5%
PPSP-9-S-20250226	C34191				33.2	0.441	20188	0.281	0.579	0.0647	0.133	ND	P2501737.D	2025-03-15 01:09	0.782	13.798	7909	986842	105.3	10.913	-2.8%
PPSP-8-S-20250226	B15760				33.2	0.441	20190	0.281	0.579	0.0647	0.133	ND	P2501738.D	2025-03-15 01:46	0.782	13.804	6362	1009290	105.3	10.913	-0.6%
PPSP-8-D-20250226	B31728				33.2	0.441	20190	0.281	0.579	0.0647	0.133	ND	P2501739.D	2025-03-15 02:24	0.782	13.804	6601	997274	105.3	10.913	-1.7%
PPSP-7-S-20250226	B51020				33.2	0.441	20193	0.281	0.579	0.0647	0.133	ND	P2501740.D	2025-03-15 03:01	0.782	13.804	6315	991496	105.3	10.913	-2.3%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

QC



Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW106-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m³)	PPSP-1-B-20250226	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250226	12%	Pass	12%	Pass	ND	Pass	ND	Pass	ND	Pass

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW106

Custody	Enthalpy Analytical, LLC received the sample tubes on 03/13/25. The samples were received in good condition at a temperature of 11.9 °C. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.
Analysis	The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-TD35.M) is not included in this report but may be available upon request.
Calibration	All BFB criteria have been met for this analysis. The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.
Quality Control Notes	All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.
Reporting Notes	The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged. As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks. All samples were reported as amount in ng catch, and concentration in µg/m³ and ppbv. The results presented in this report are representative of the samples as provided to the laboratory. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.





Enthalpy Analytical LDEQ Certification Statement

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) under **Certificate Number 04010**. The methods included in this report are listed in the table below along with Enthalpy-Durham's accreditation status with LDEQ and any analytes that Enthalpy-Durham does not hold accreditation for.

Method	Accredited by LDEQ?	Analytes of an Accredited Method that are not Accredited
M325B	Yes	N/A

Sample Custody



2025 FW106



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

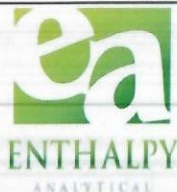
- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	C43215	sample	2/26/25	9:43 AM	312/2025	11:03 AM	JB / JB		
5	C39261	sample	2/26/25	9:52 AM	312/2025	11:08 AM	JB / JB		
4	C24196	sample	2/26/25	9:58 AM	312/2025	11:14 AM	JB / JB		
3	B49705	sample	2/26/25	10:03 AM	312/2025	11:20 AM	JB / JB		
2	C40679	sample	2/26/25	10:08 AM	312/2025	11:26 AM	JB / JB		
1	B15121	sample	2/26/25	10:11 AM	312/2025	11:31 AM	JB / JB		
1	C43284	blank	2/26/25	10:11 AM	312/2025	11:31 AM	JB / JB		
13	B48188	sample	2/26/25	10:15 AM	312/2025	11:37 AM	JB / JB		

Relinquished By (printed): Jen Bowidowicz		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: 3/12/2025		Relinquished Time:	
Received By (printed): <i>Amy Simko</i>		Received By (signature): <i>Amy Simko</i>		Receipt Date: 3/13/25		Receipt Time: 1130	
Sample Condition Upon Receipt: Good		Compound List: BTEX		Custody Seal intact? Y/N: Y		Delivery tracking #	
Ice Temp:	Blank Temp: 11.9	Ftuke 4		Add Custody Seal # below: 24607616			
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

2025 FW106



EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, LLC
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:		
Site Address:			Project Number:			Sample Event #		
City:			Project Manager: Tom Rolfson			Sorbent:		
State:			Email Address: tom.rolfson@powererg.com					
Zip:			Telephone #:					

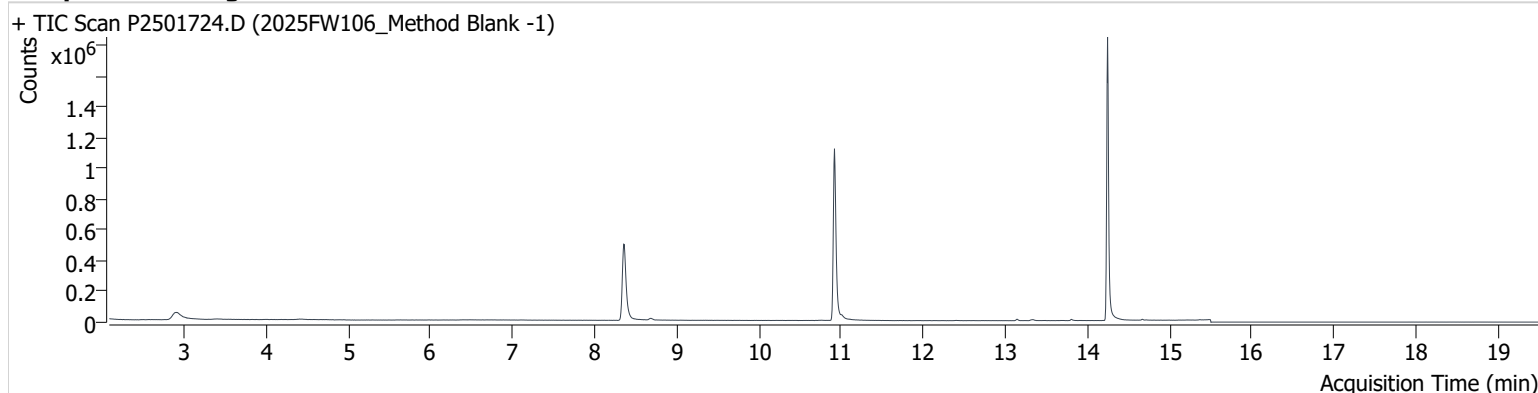
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11	B49560	sample	2/26/25	10:25 AM	3/12/25	11:49 AM	JB / JB		
10	B50574	sample	2/26/25	10:28 AM	3/12/25	11:56 AM	JB / JB		
9	C34191	sample	2/26/25	10:32 AM	3/12/25	12:00 PM	JB / JB		
8	B15760	sample	2/26/25	10:36 AM	3/12/25	12:06 PM	JB / JB		
8	B31728	duplicate	2/26/25	10:36 AM	3/12/25	12:06 PM	JB / JB		
7	B51020	sample	2/26/25	10:39 AM	3/12/25	12:12 PM	JB / JB		

Relinquished By (printed): Jen Bowidowicz		Relinquished By (signature): <i>Jennifer Bowidowicz</i>		Relinquished Date: 3/12/2025		Relinquished Time:	
Received By (printed): <i>Amy Simko</i>		Received By (signature): <i>Amy Simko</i>		Receipt Date: 3/13/25		Receipt Time: 11:30	
Sample Condition Upon Receipt: Good		Compound List: BTEX		Custody Seal intact? Y/N: Y		Delivery tracking #	
Ice Temp:	Blank Temp: 11.9			Add Custody Seal # below: 24607646			
	Fluke 4						
Comments: Please pull the ambient temp from the KPWM NOAA station. Thank you							
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com							

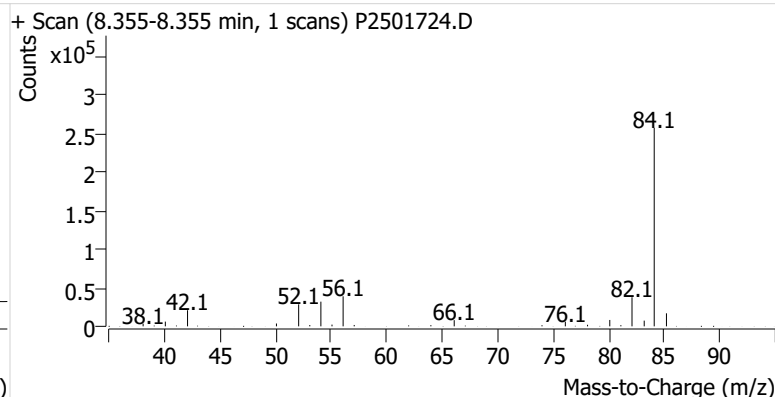
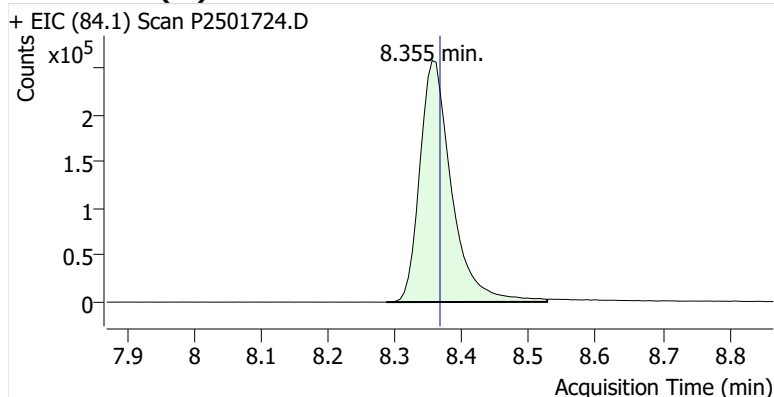
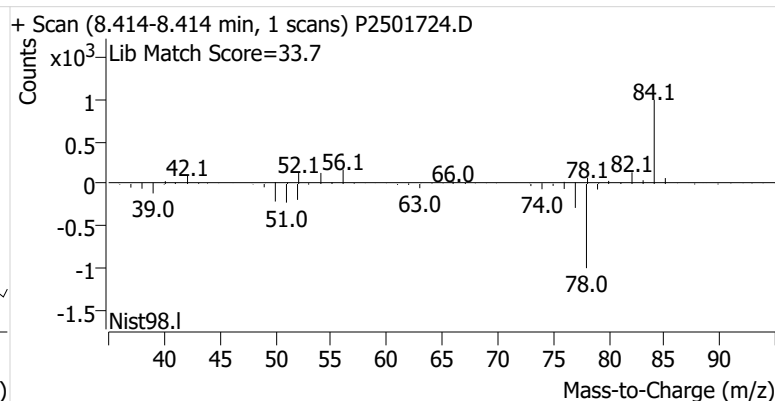
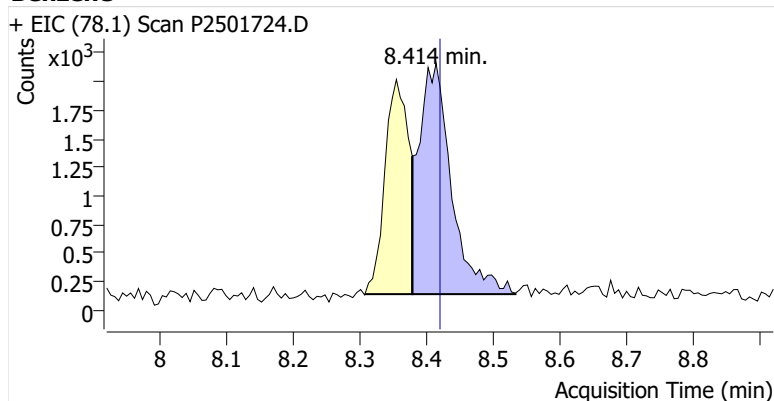
Sample Chromatograms



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Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

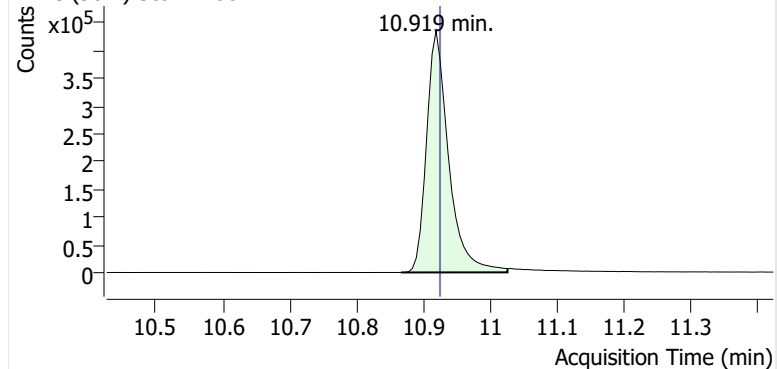
Sample Chromatogram

Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	849,551	
Benzene	benzene-d6 (IS)	8.414	8.420	6,848	
Toluene-d8 (IS)		10.919	10.925	1,001,665	
Toluene	Toluene-d8 (IS)	11.014	11.020	11,967	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,135	
m-/p-Xylenes	Toluene-d8 (IS)	13.335	13.341	7,743	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	5,321	

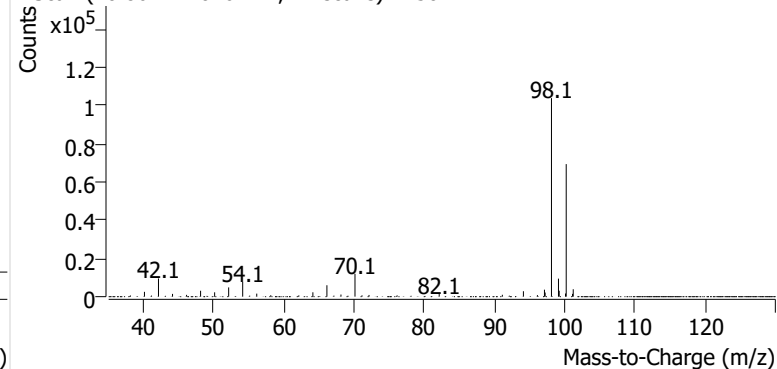
benzene-d6 (IS)**Benzene**

Toluene-d8 (IS)

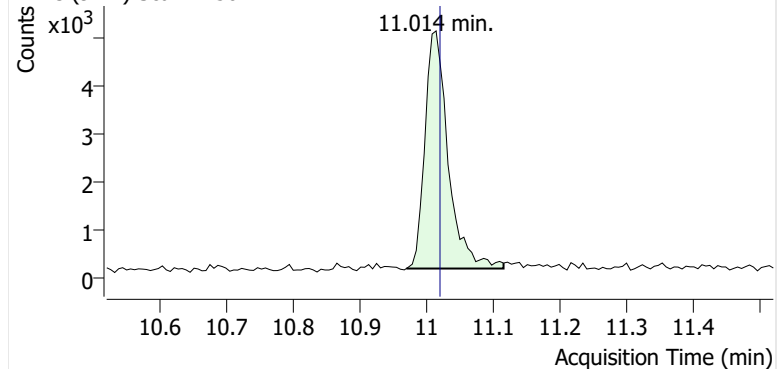
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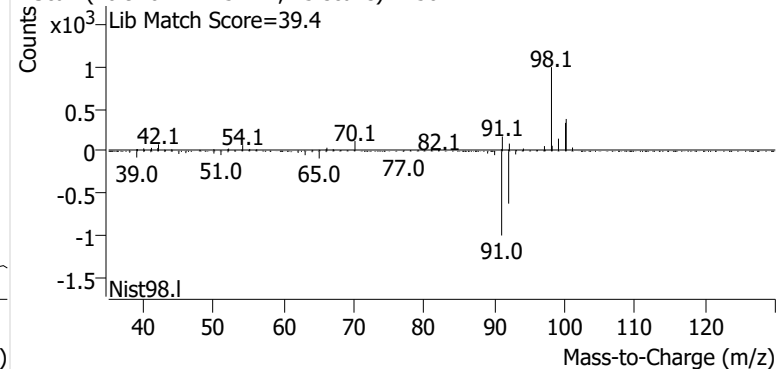
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**Toluene**

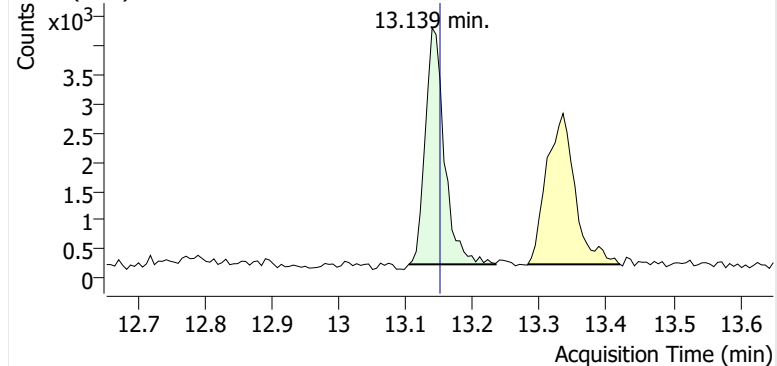
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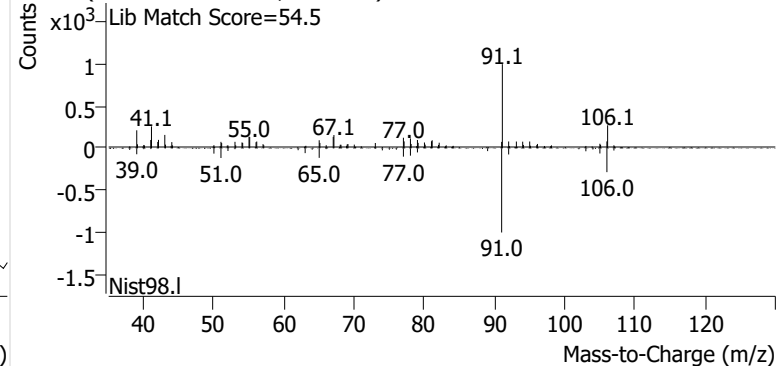
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**Ethylbenzene**

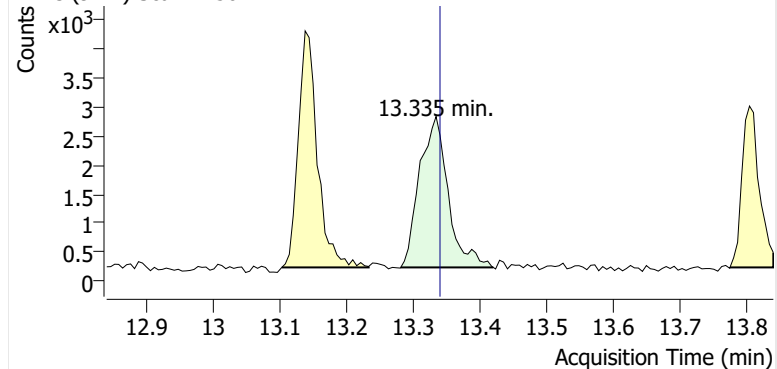
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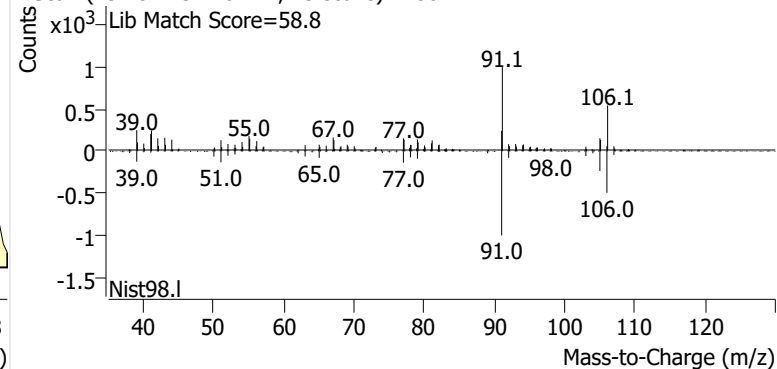
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**m-/p-Xylenes**

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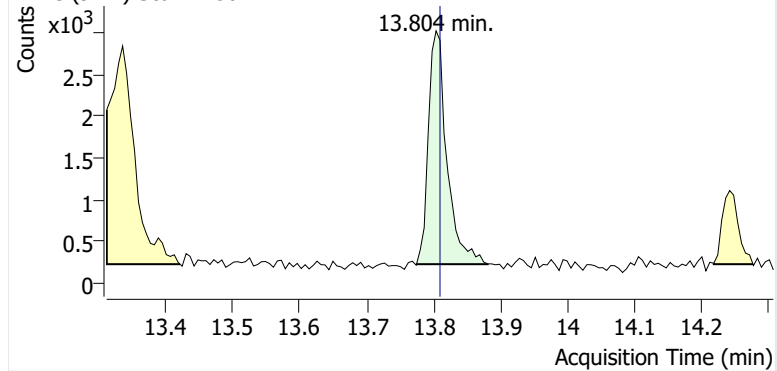


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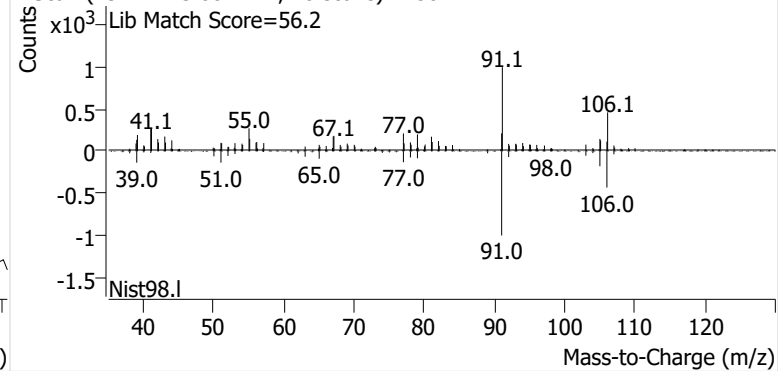


o-Xylene

+ EIC (91.1) Scan P2501724.D

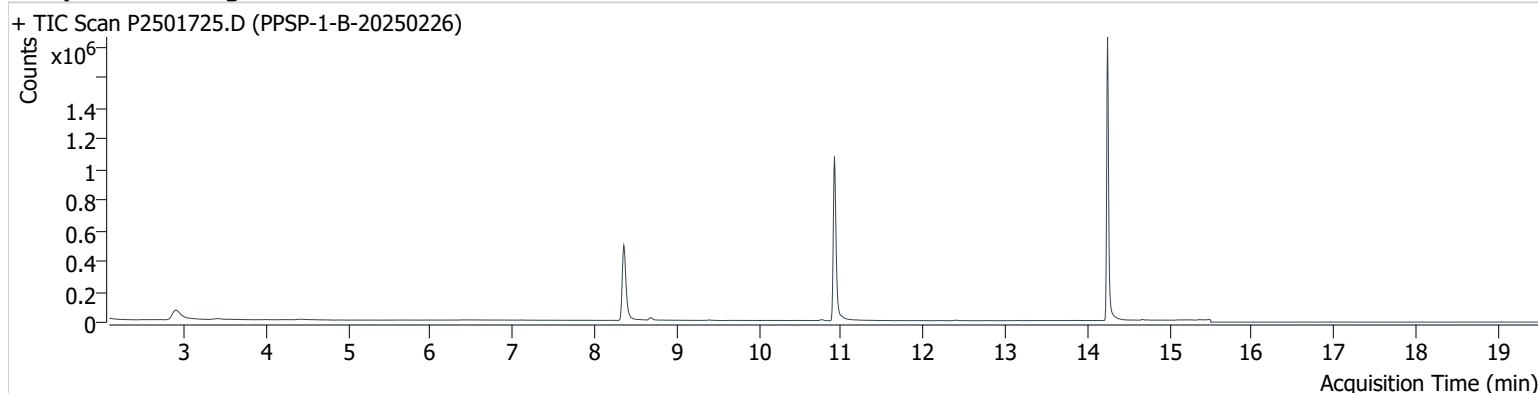


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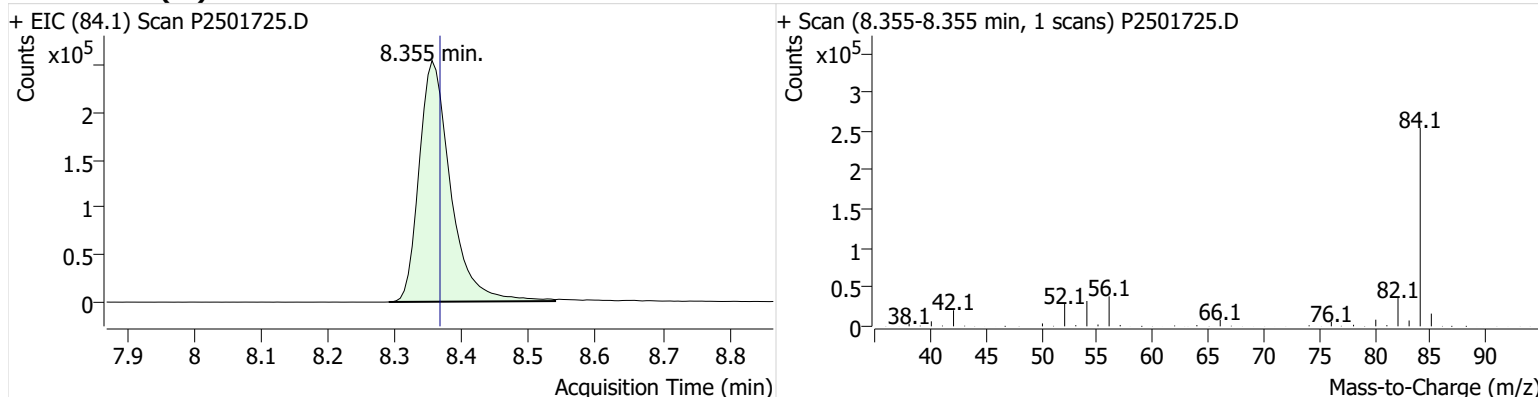
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Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

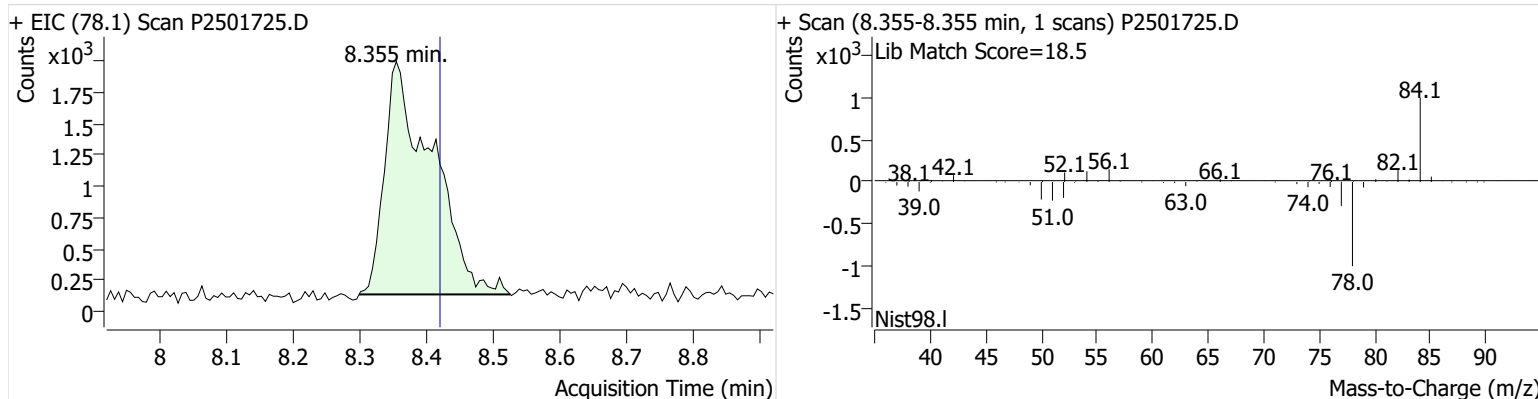


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	829,744	
Benzene	benzene-d6 (IS)	8.355	8.420	9,185	
Toluene-d8 (IS)		10.919	10.925	995,791	
Toluene	Toluene-d8 (IS)	11.014	11.020	5,497	
Ethylbenzene	Toluene-d8 (IS)	13.145	13.151	1,584	
m-/p-Xylenes	Toluene-d8 (IS)	13.323	13.341	1,293	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	840	m

benzene-d6 (IS)

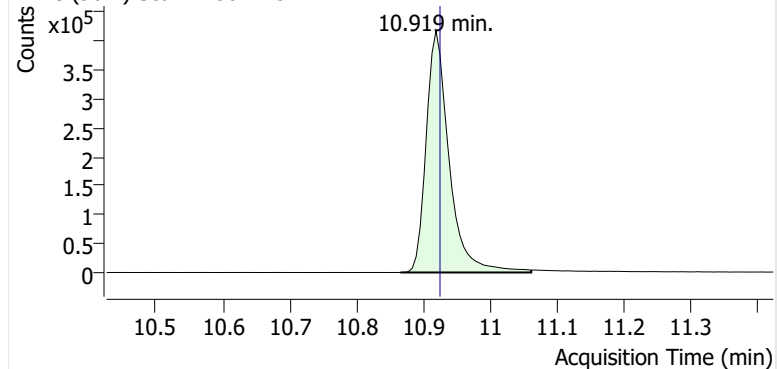


Benzene

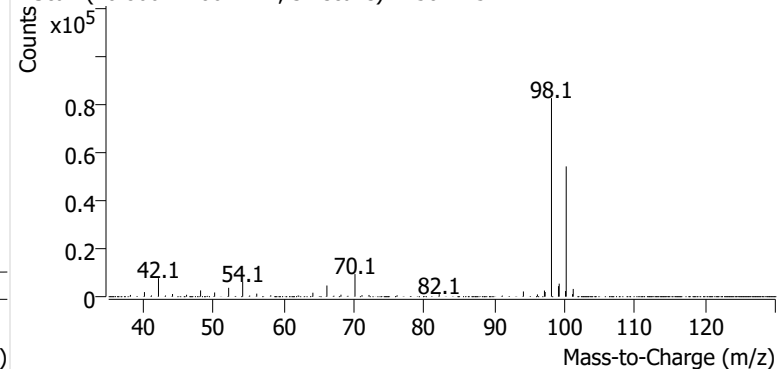


Toluene-d8 (IS)

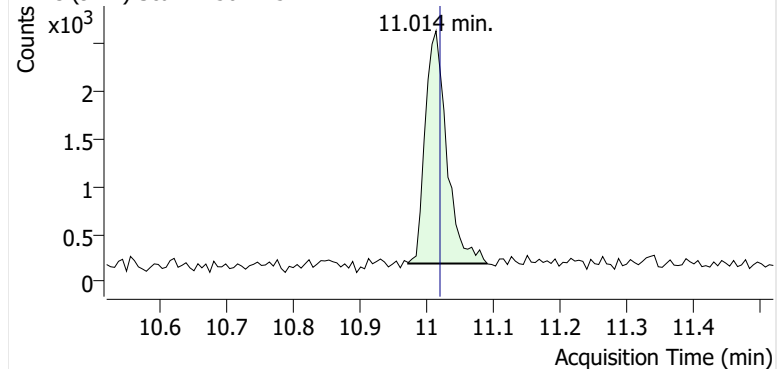
+ EIC (98.1) Scan P2501725.D



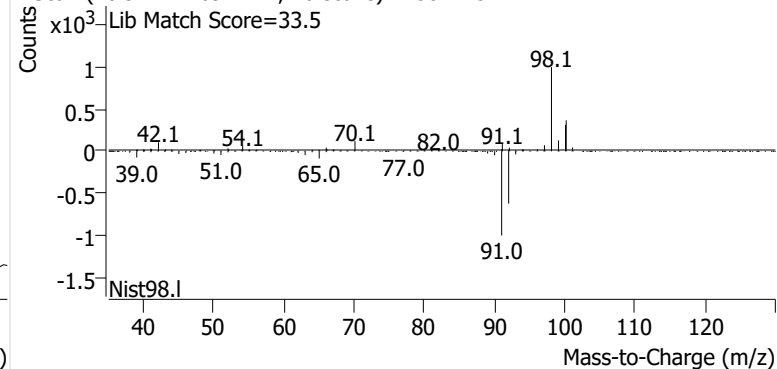
+ Scan (10.866-11.061 min, 34 scans) P2501725.D

**Toluene**

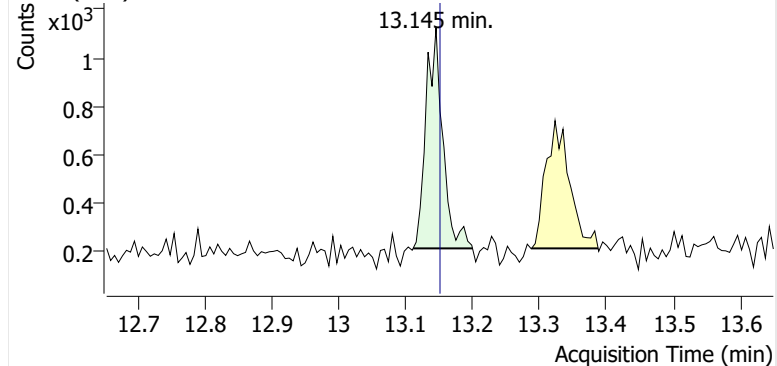
+ EIC (91.1) Scan P2501725.D



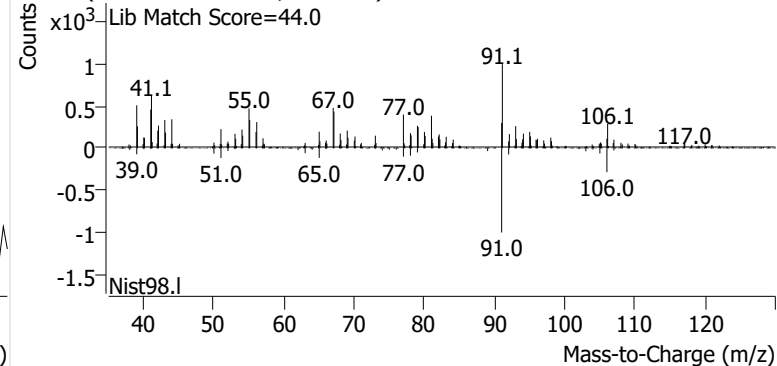
+ Scan (10.972-11.091 min, 20 scans) P2501725.D

**Ethylbenzene**

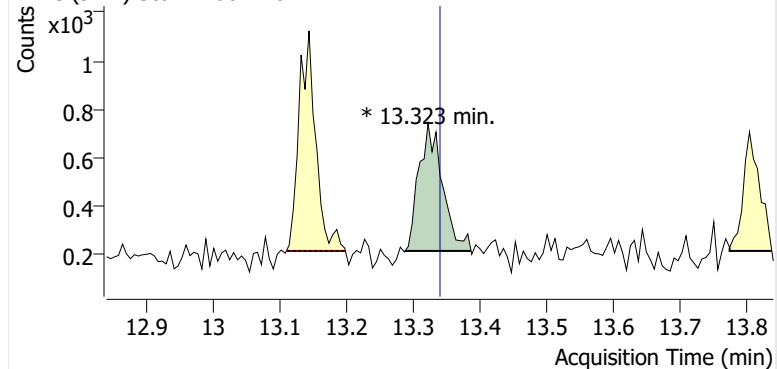
+ EIC (91.1) Scan P2501725.D



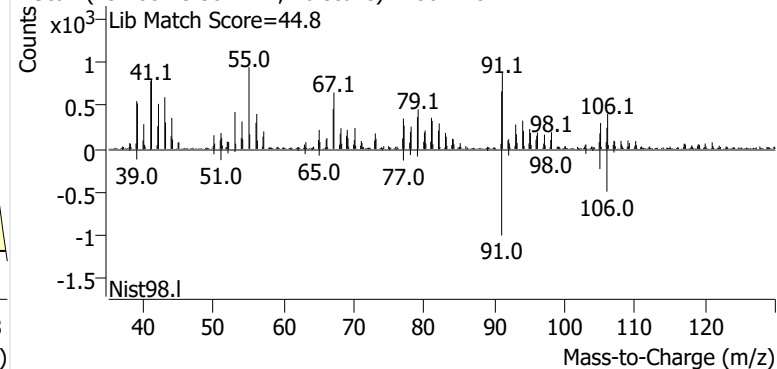
+ Scan (13.111-13.199 min, 15 scans) P2501725.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501725.D

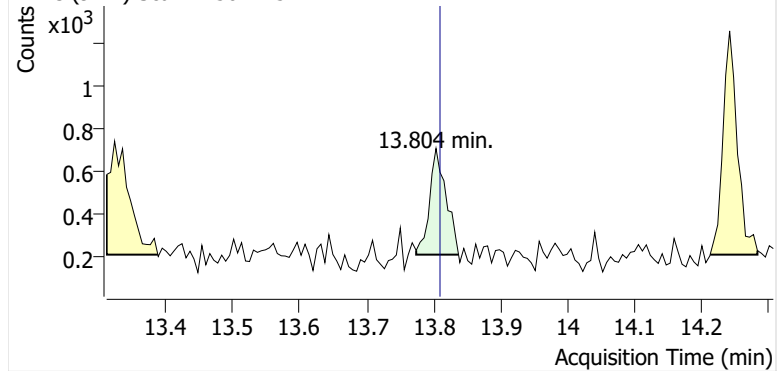


+ Scan (13.288-13.387 min, 16 scans) P2501725.D

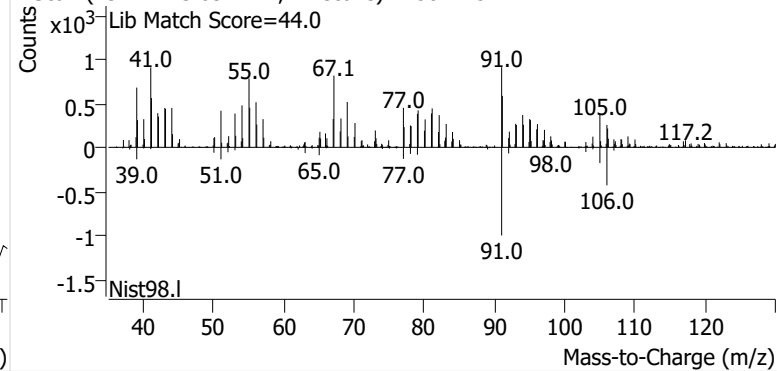


o-Xylene

+ EIC (91.1) Scan P2501725.D

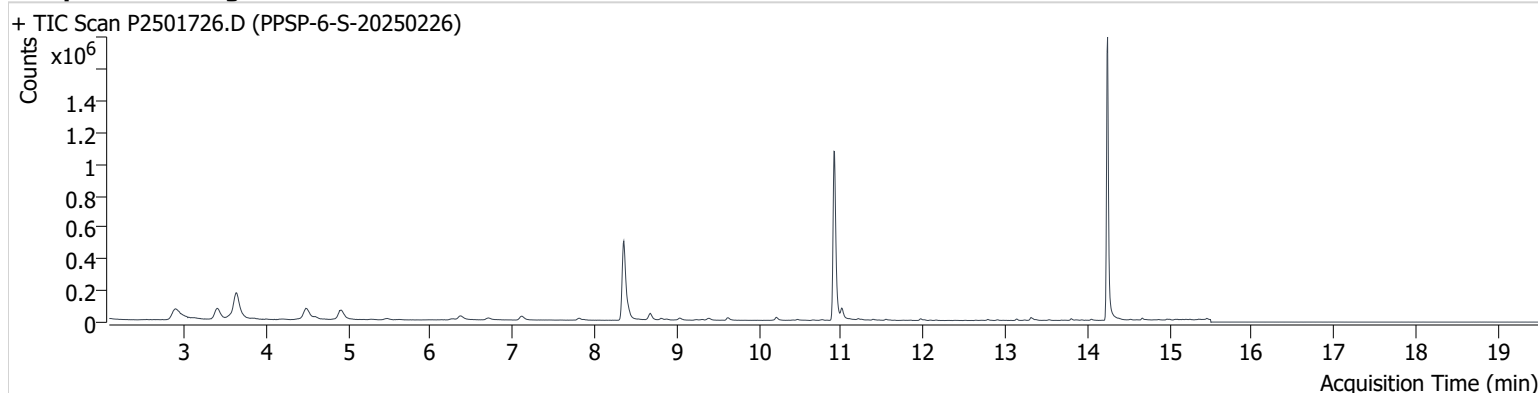


+ Scan (13.774-13.837 min, 11 scans) P2501725.D



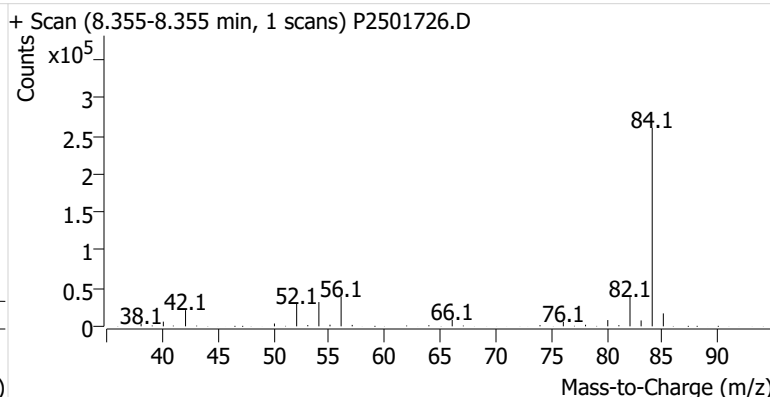
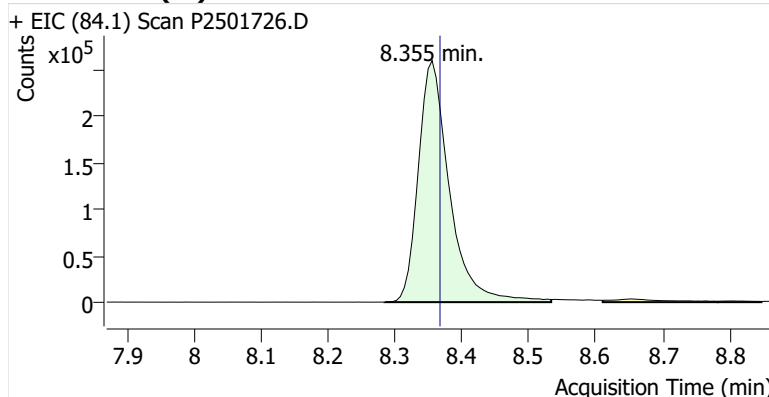
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Comment C43215
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Acq. Date-Time 3/14/2025 6:19:45 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

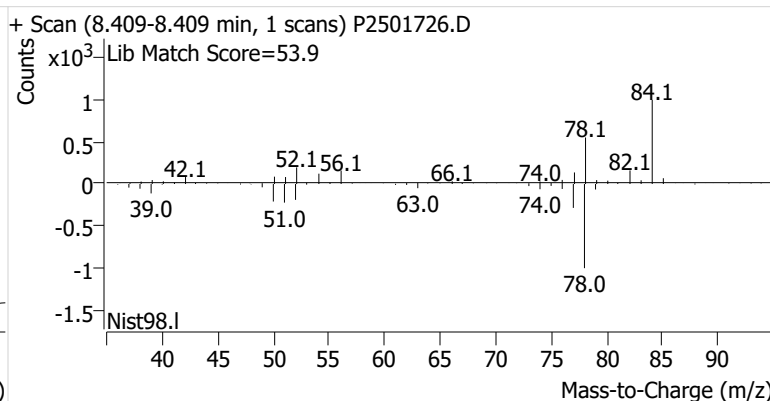
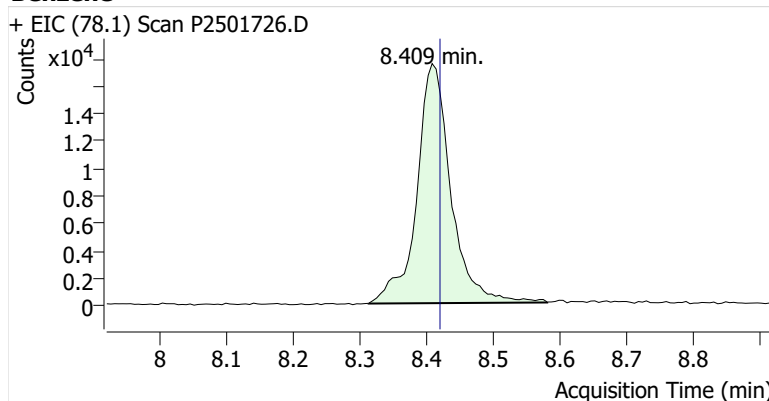


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	841,637	
Benzene	benzene-d6 (IS)	8.409	8.420	61,899	
Toluene-d8 (IS)		10.913	10.925	1,004,840	
Toluene	Toluene-d8 (IS)	11.008	11.020	53,921	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	7,566	
m-/p-Xylenes	Toluene-d8 (IS)	13.317	13.341	17,468	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	6,771	

benzene-d6 (IS)

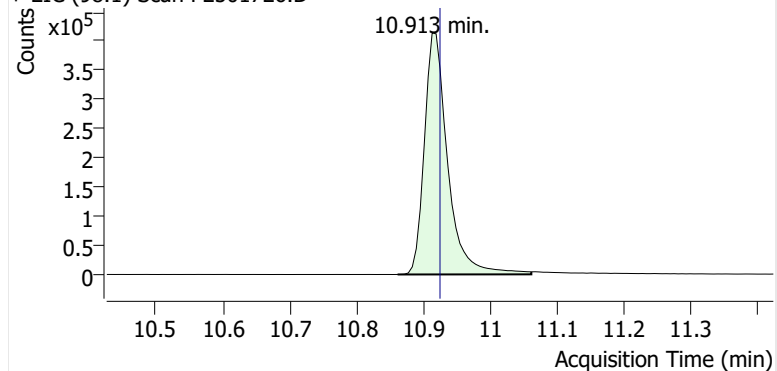


Benzene

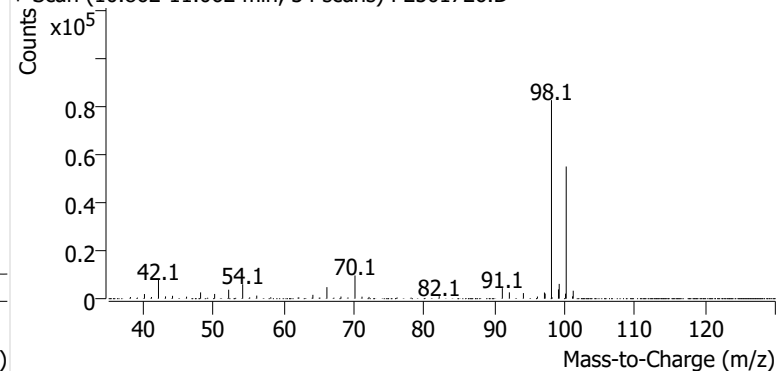


Toluene-d8 (IS)

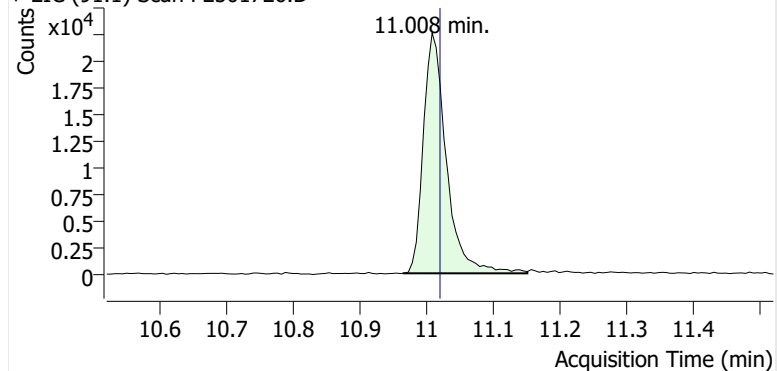
+ EIC (98.1) Scan P2501726.D



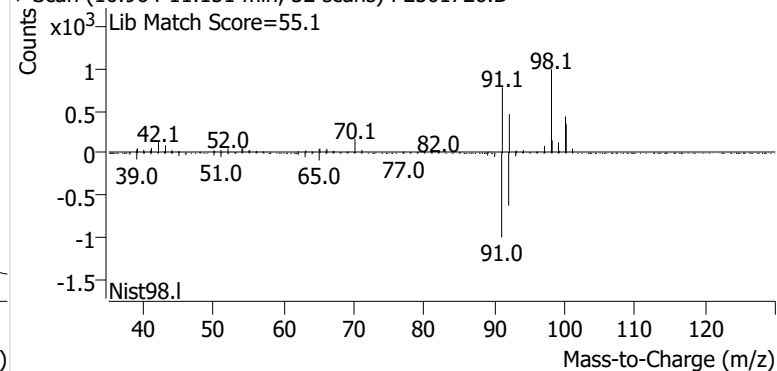
+ Scan (10.862-11.062 min, 34 scans) P2501726.D

**Toluene**

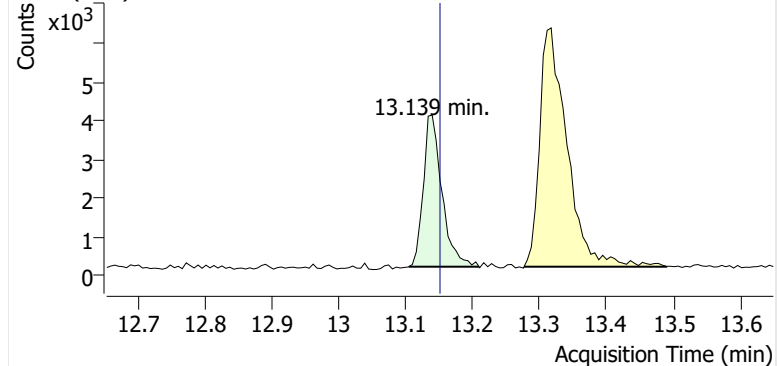
+ EIC (91.1) Scan P2501726.D



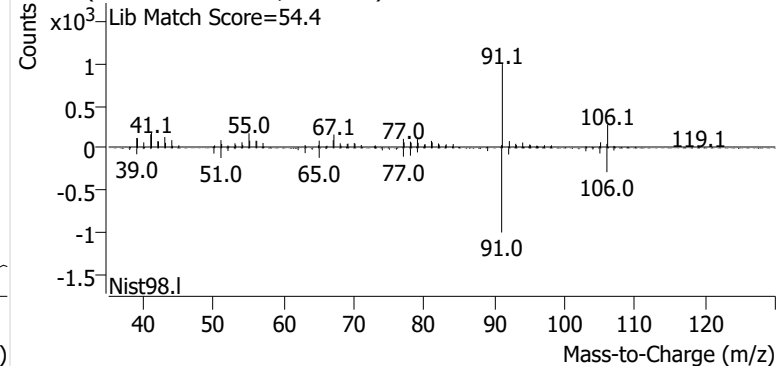
+ Scan (10.964-11.151 min, 32 scans) P2501726.D

**Ethylbenzene**

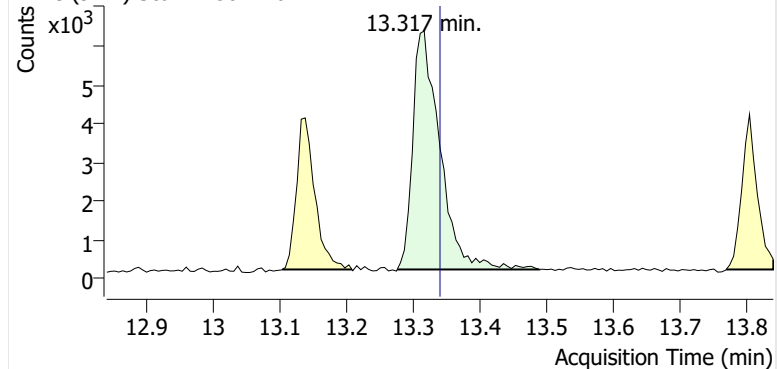
+ EIC (91.1) Scan P2501726.D



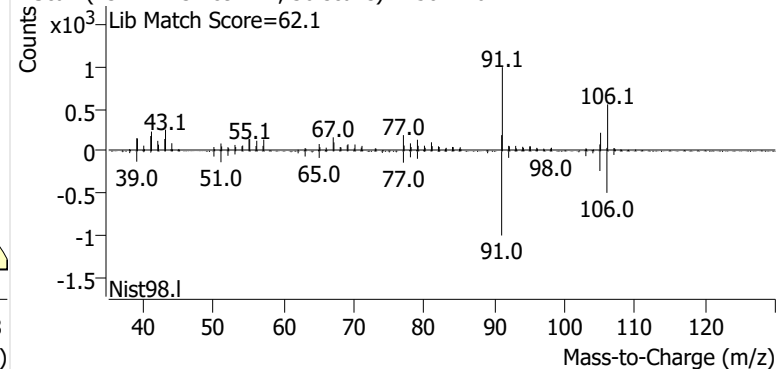
+ Scan (13.104-13.209 min, 17 scans) P2501726.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501726.D

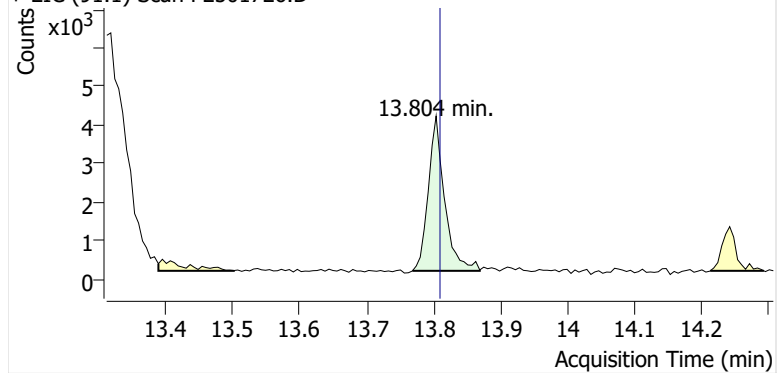


+ Scan (13.277-13.489 min, 36 scans) P2501726.D

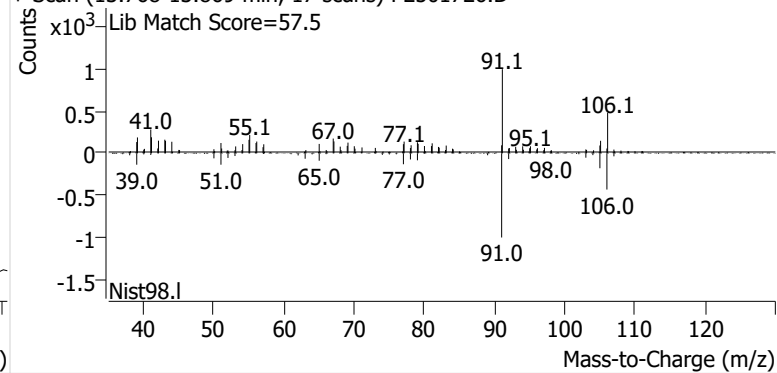


o-Xylene

+ EIC (91.1) Scan P2501726.D

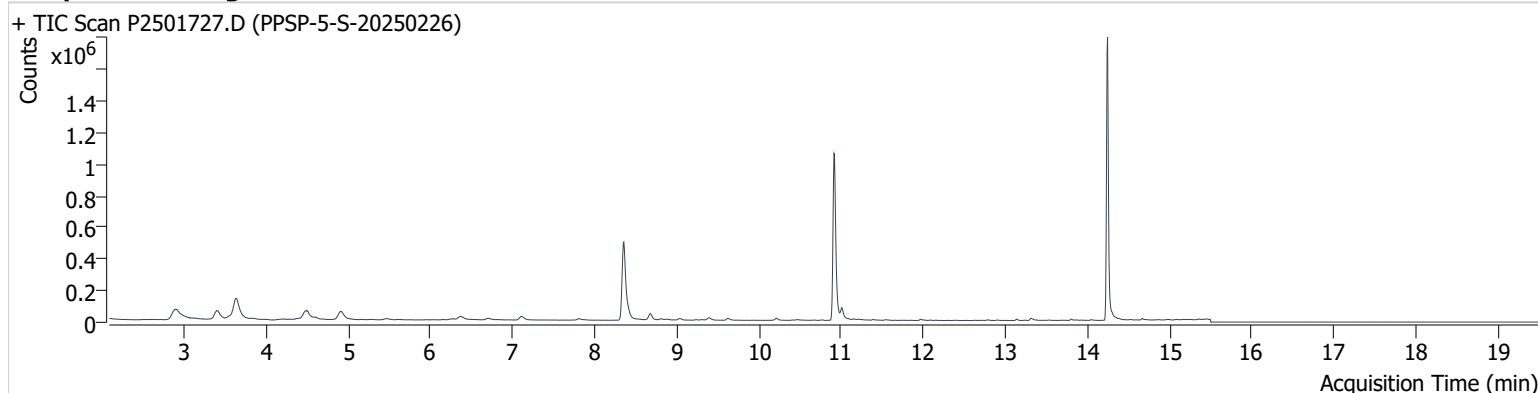


+ Scan (13.768-13.869 min, 17 scans) P2501726.D



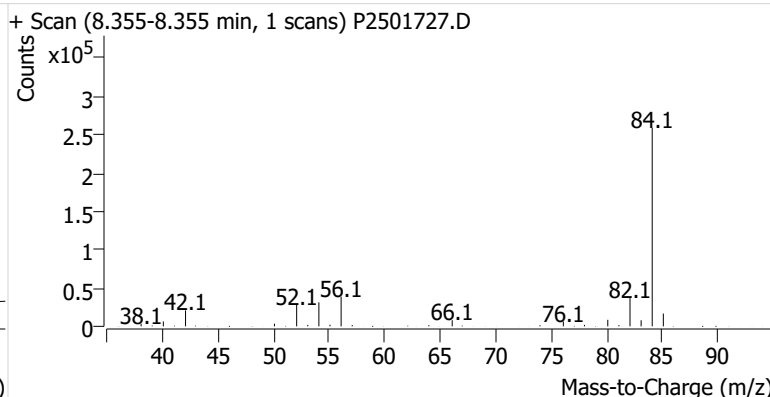
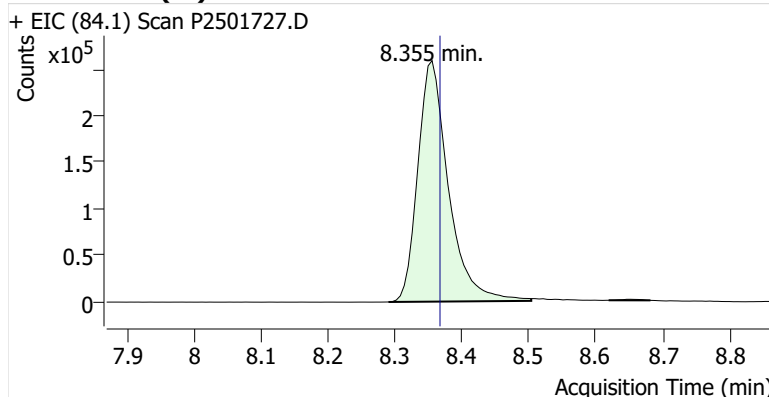
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Comment C39261
Data File P2501727.D
Acq. Date-Time 3/14/2025 6:57:00 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

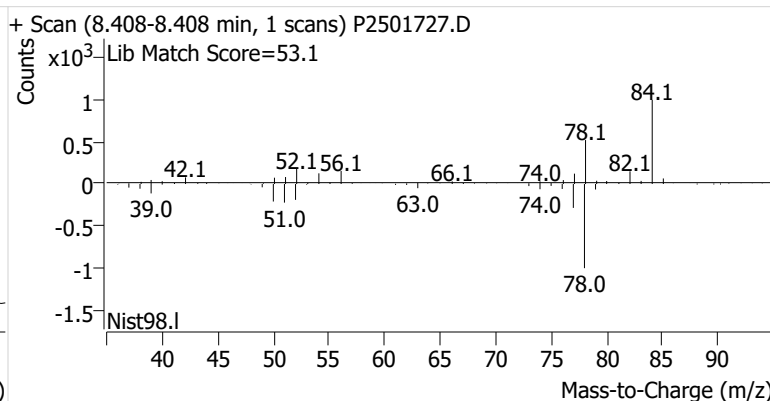
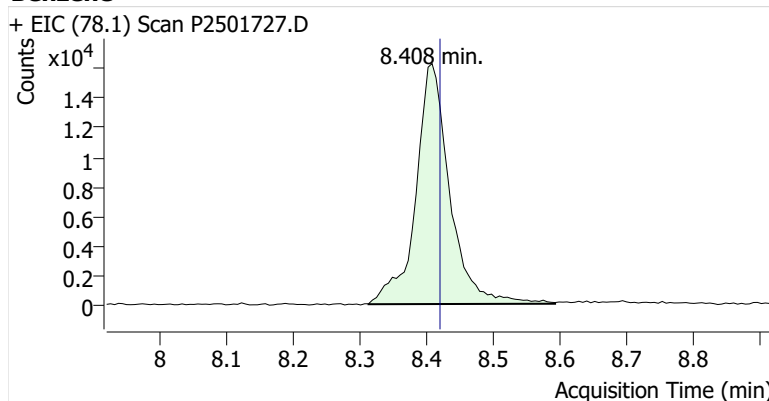


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	821,771	
Benzene	benzene-d6 (IS)	8.408	8.420	57,174	
Toluene-d8 (IS)		10.913	10.925	993,819	
Toluene	Toluene-d8 (IS)	11.008	11.020	51,881	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	6,978	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	14,095	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	5,067	

benzene-d6 (IS)

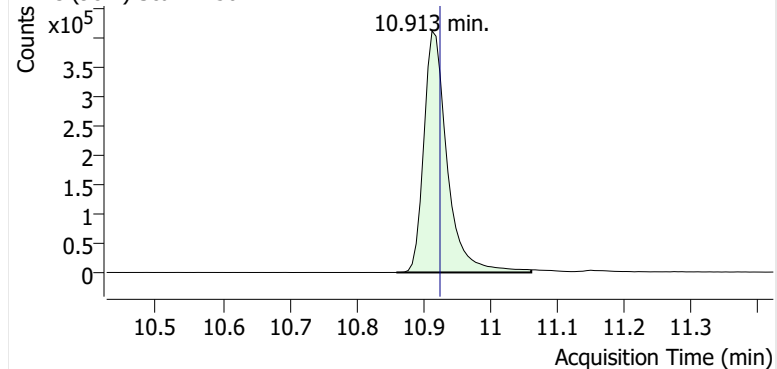


Benzene

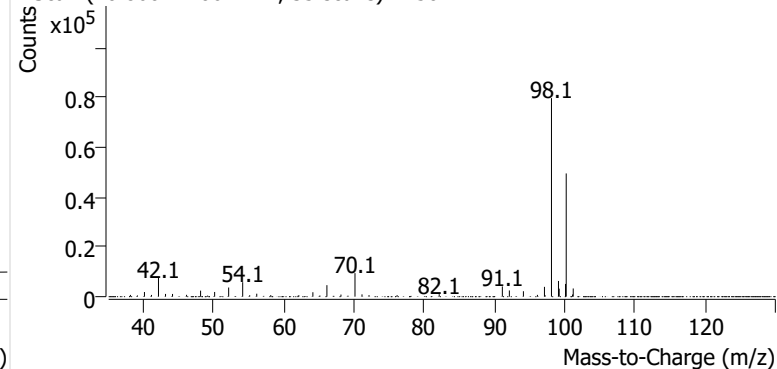


Toluene-d8 (IS)

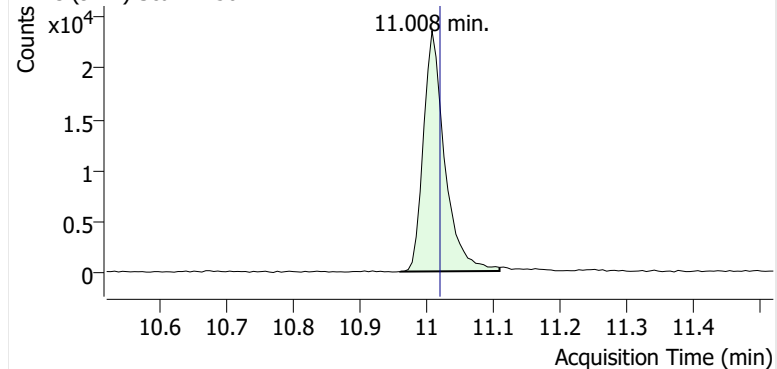
+ EIC (98.1) Scan P2501727.D



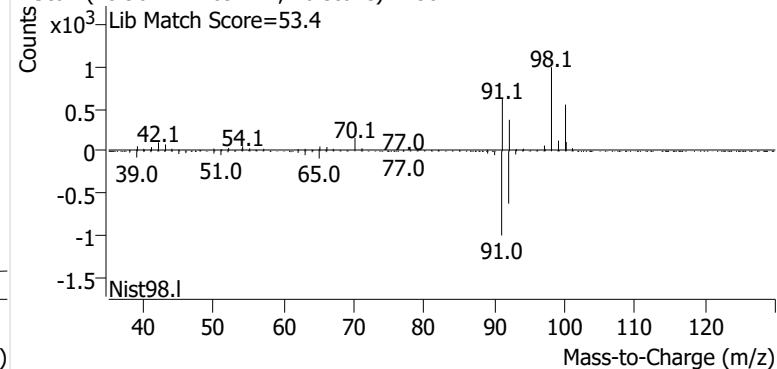
+ Scan (10.860-11.061 min, 35 scans) P2501727.D

**Toluene**

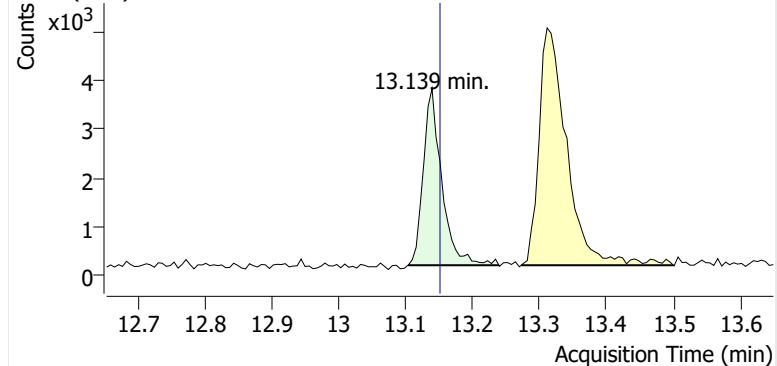
+ EIC (91.1) Scan P2501727.D



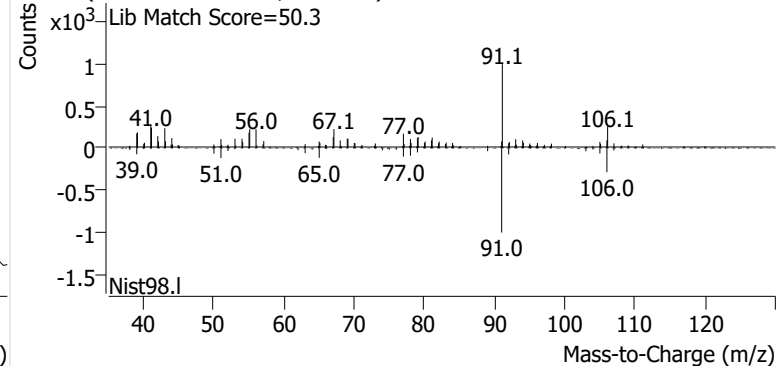
+ Scan (10.961-11.109 min, 26 scans) P2501727.D

**Ethylbenzene**

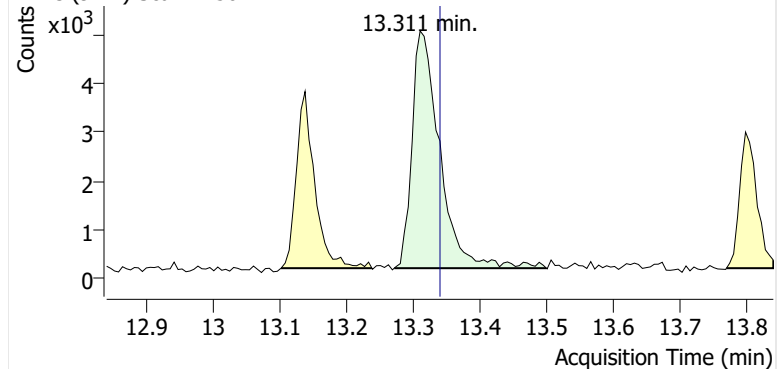
+ EIC (91.1) Scan P2501727.D



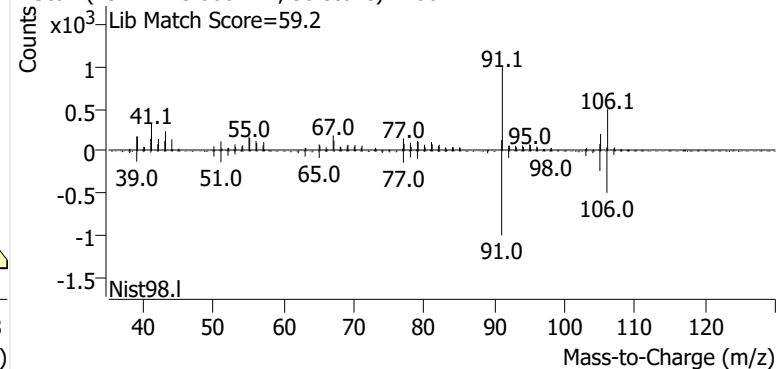
+ Scan (13.103-13.239 min, 23 scans) P2501727.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501727.D

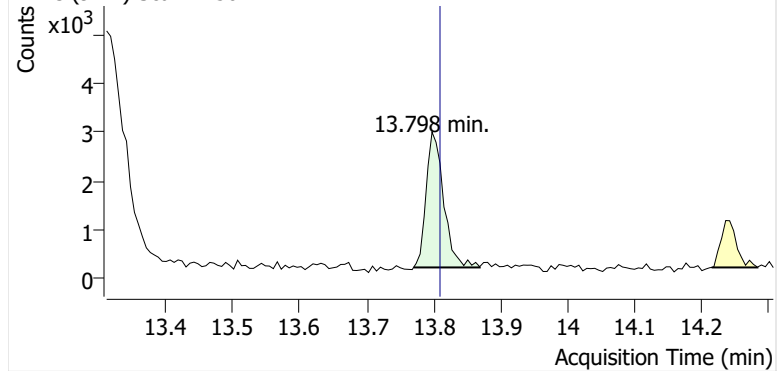


+ Scan (13.272-13.500 min, 38 scans) P2501727.D

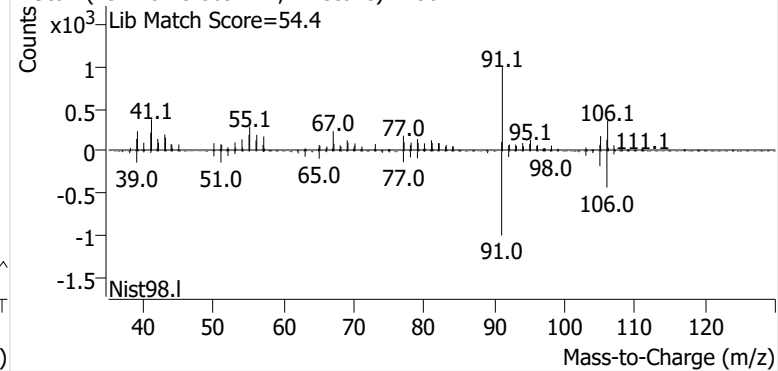


o-Xylene

+ EIC (91.1) Scan P2501727.D

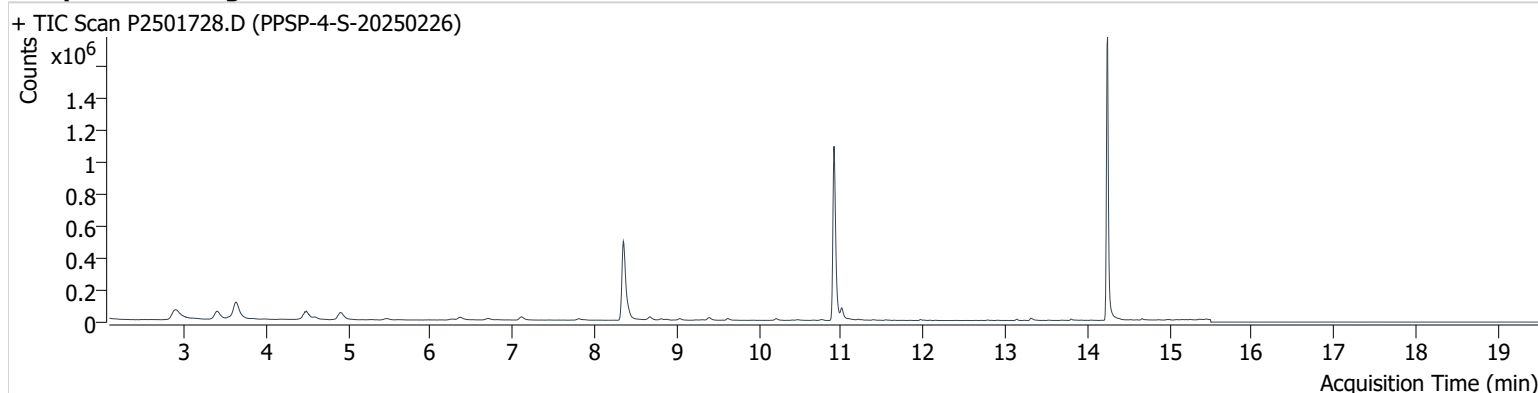


+ Scan (13.770-13.869 min, 17 scans) P2501727.D



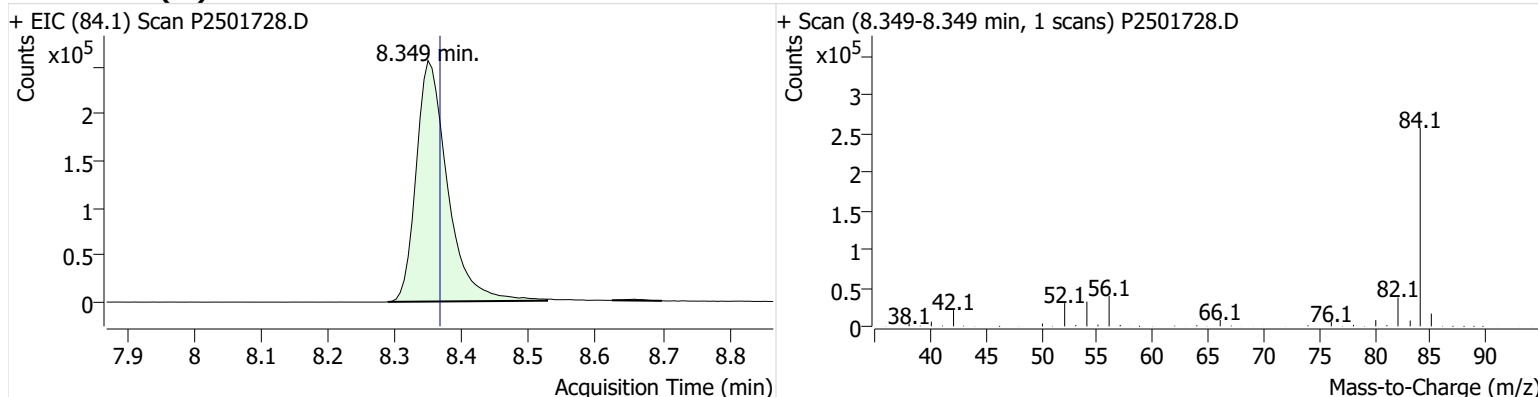
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Comment C24196
Data File P2501728.D
Acq. Date-Time 3/14/2025 7:34:15 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

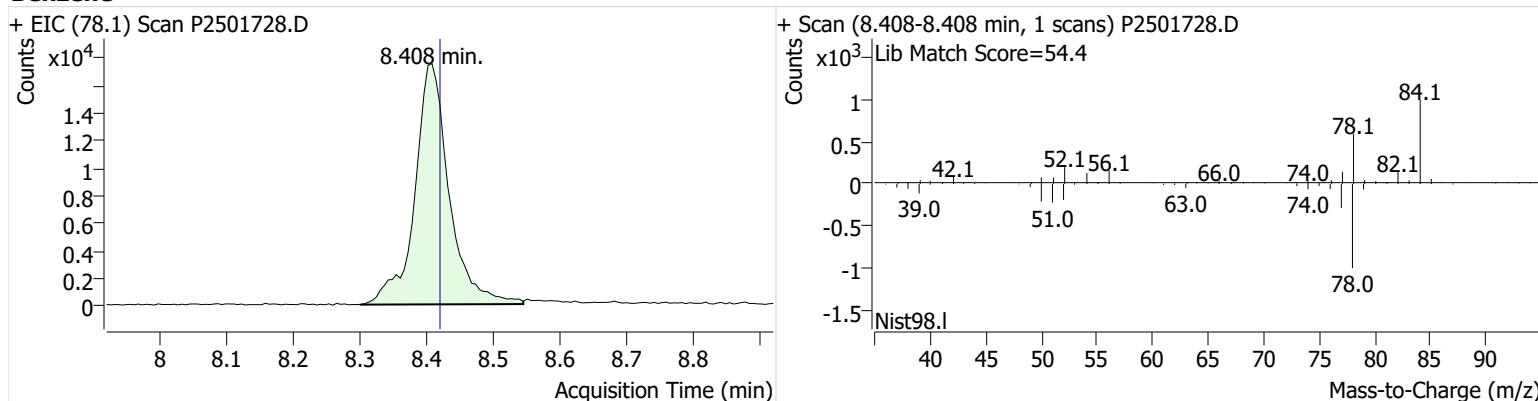


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	834,418	
Benzene	benzene-d6 (IS)	8.408	8.420	62,401	
Toluene-d8 (IS)		10.913	10.925	1,010,315	
Toluene	Toluene-d8 (IS)	11.008	11.020	52,350	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	7,317	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	13,307	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	5,284	

benzene-d6 (IS)

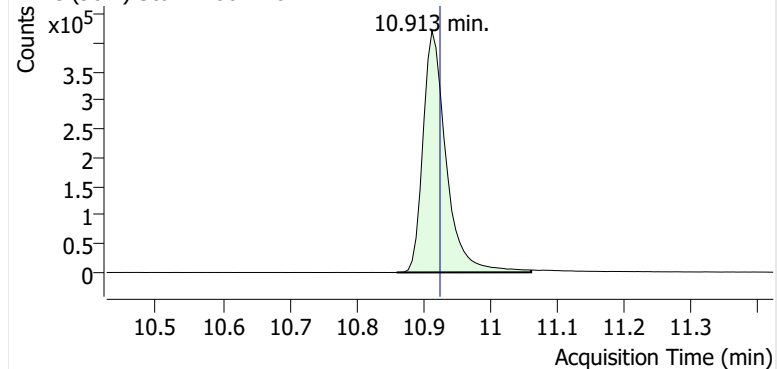


Benzene

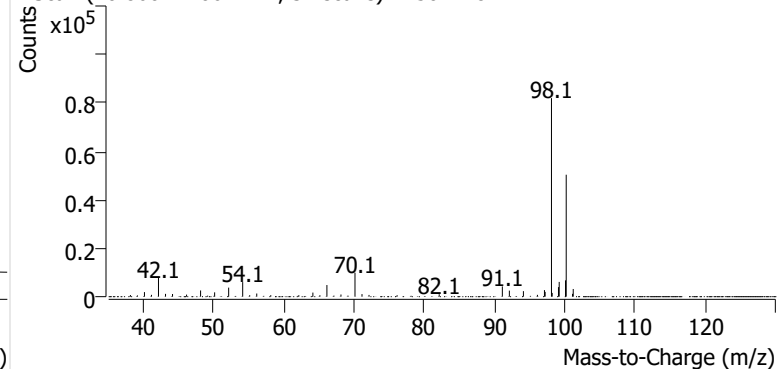


Toluene-d8 (IS)

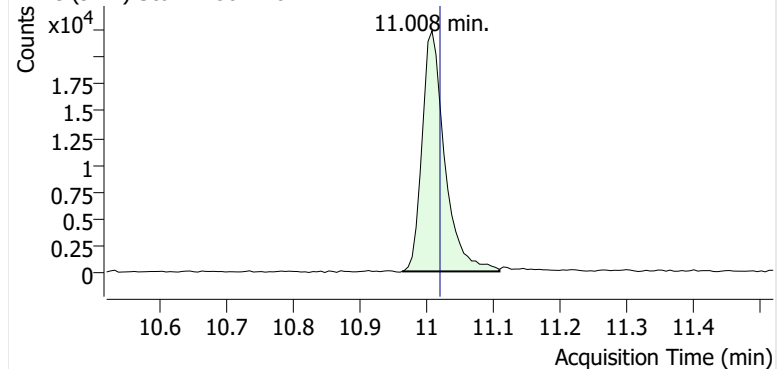
+ EIC (98.1) Scan P2501728.D



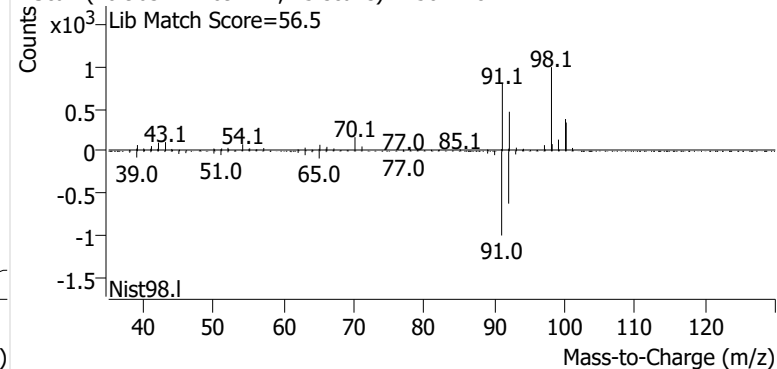
+ Scan (10.860-11.061 min, 34 scans) P2501728.D

**Toluene**

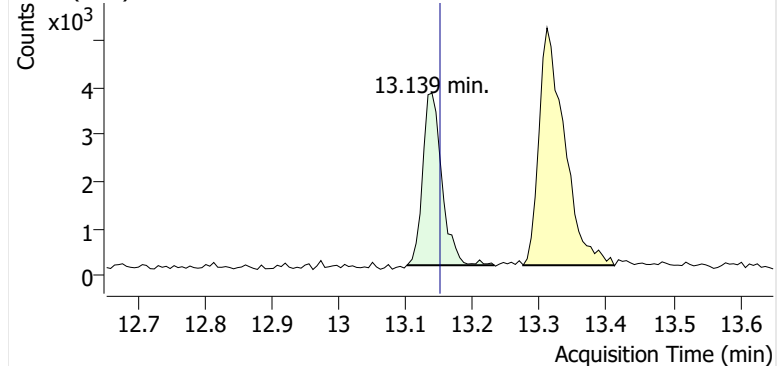
+ EIC (91.1) Scan P2501728.D



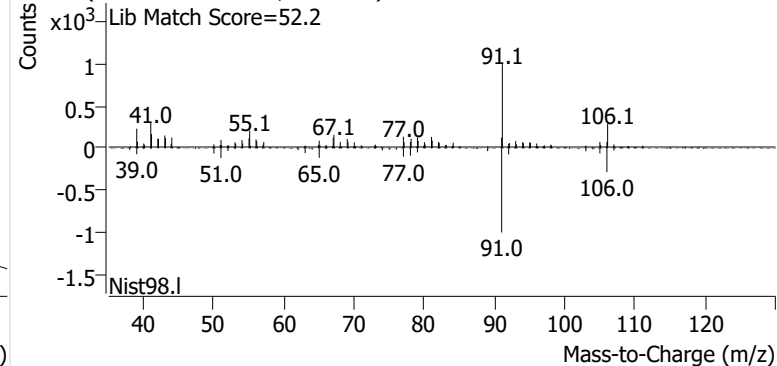
+ Scan (10.963-11.109 min, 25 scans) P2501728.D

**Ethylbenzene**

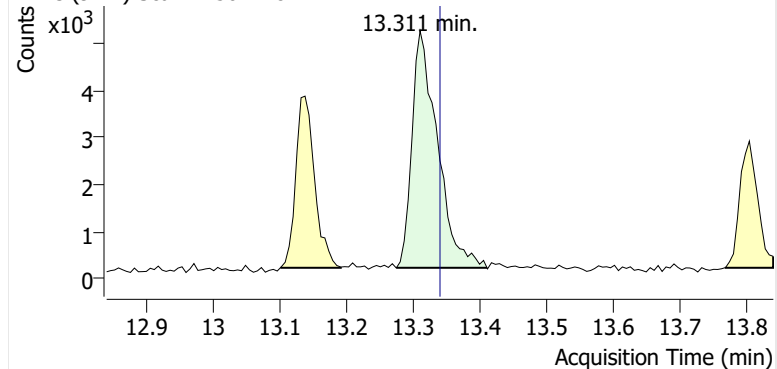
+ EIC (91.1) Scan P2501728.D



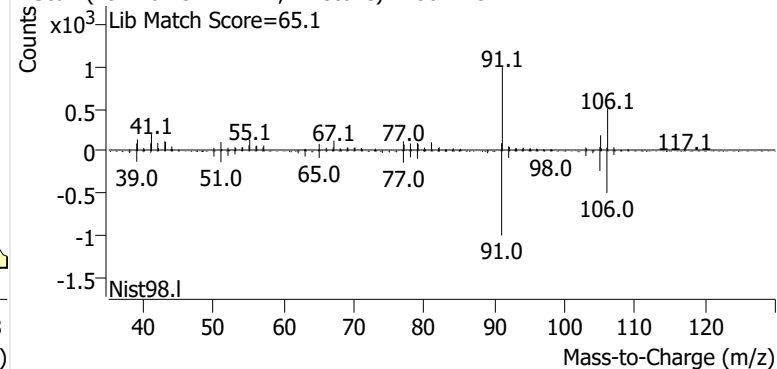
+ Scan (13.101-13.232 min, 22 scans) P2501728.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501728.D

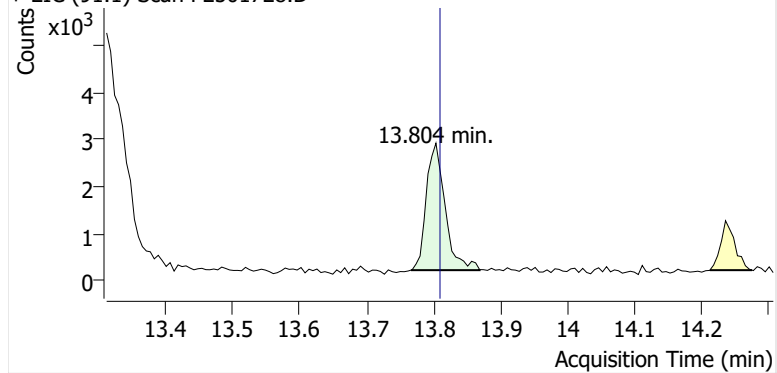


+ Scan (13.276-13.411 min, 22 scans) P2501728.D

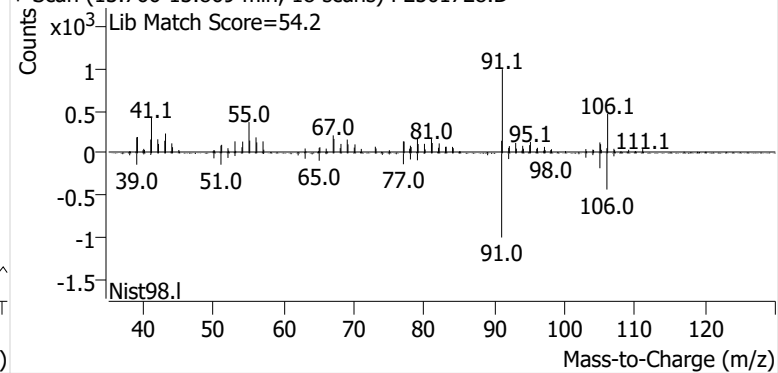


o-Xylene

+ EIC (91.1) Scan P2501728.D

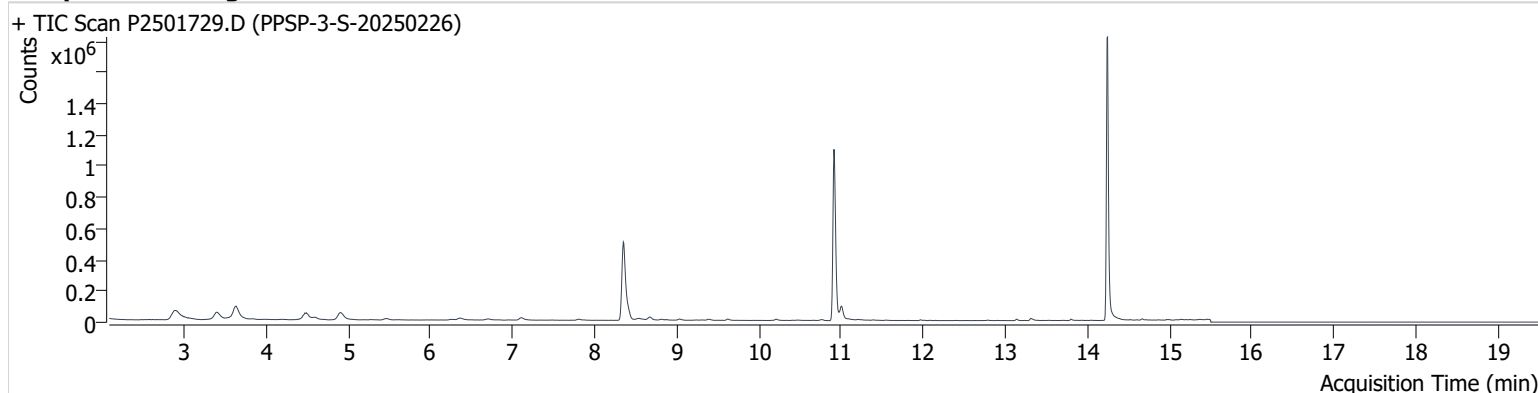


+ Scan (13.766-13.869 min, 18 scans) P2501728.D



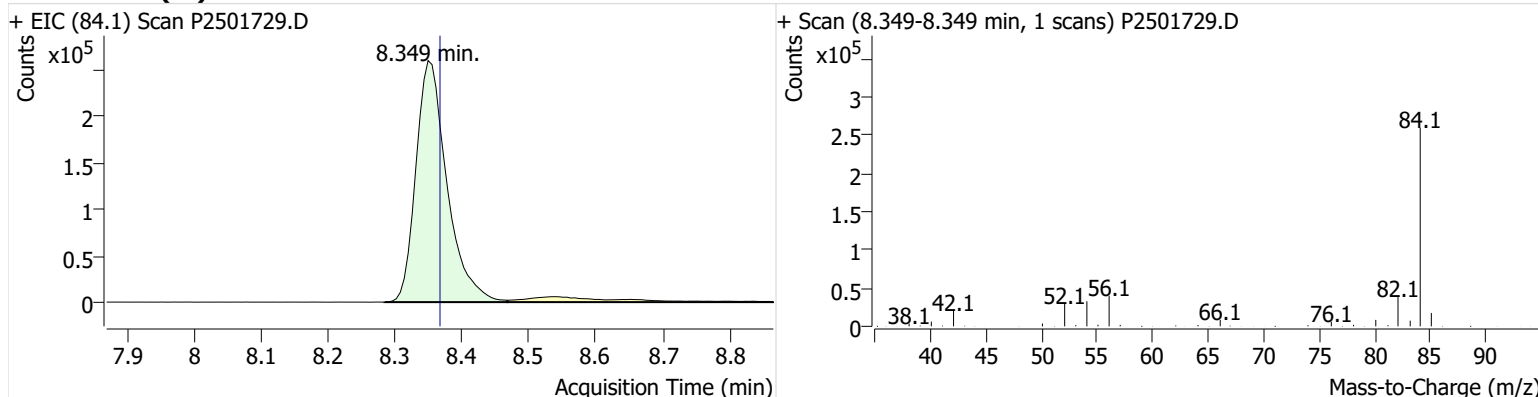
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Comment B49705
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Acq. Date-Time 3/14/2025 8:11:32 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

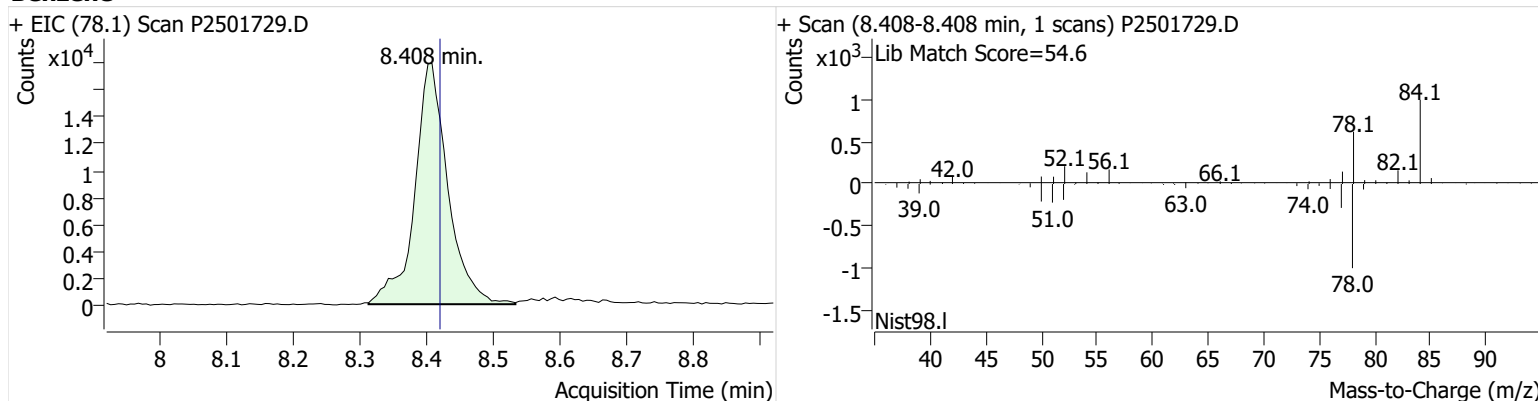


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	836,912	
Benzene	benzene-d6 (IS)	8.408	8.420	61,679	
Toluene-d8 (IS)		10.913	10.925	961,127	
Toluene	Toluene-d8 (IS)	11.008	11.020	47,746	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	7,765	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	13,643	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	5,746	

benzene-d6 (IS)

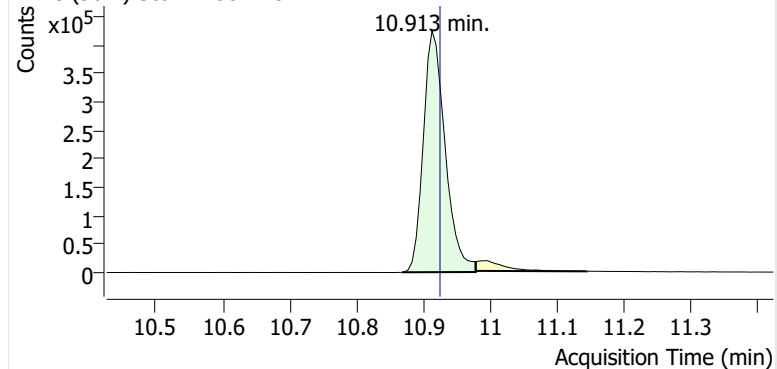


Benzene

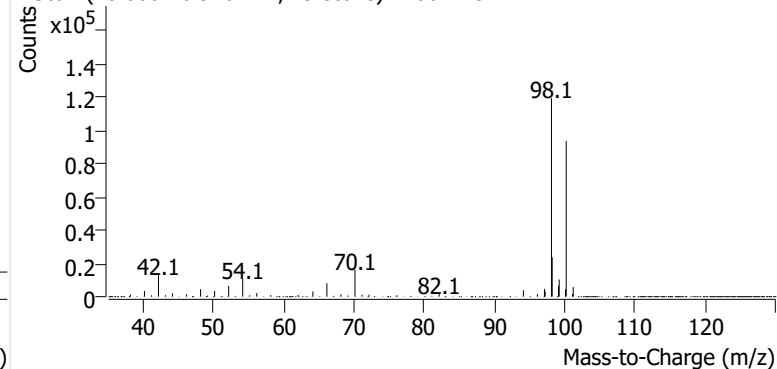


Toluene-d8 (IS)

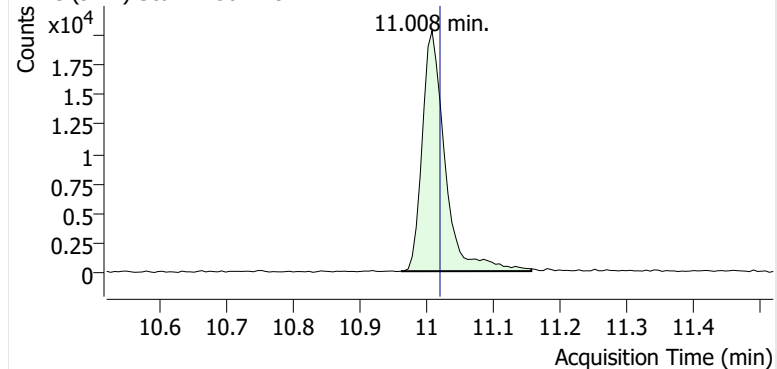
+ EIC (98.1) Scan P2501729.D



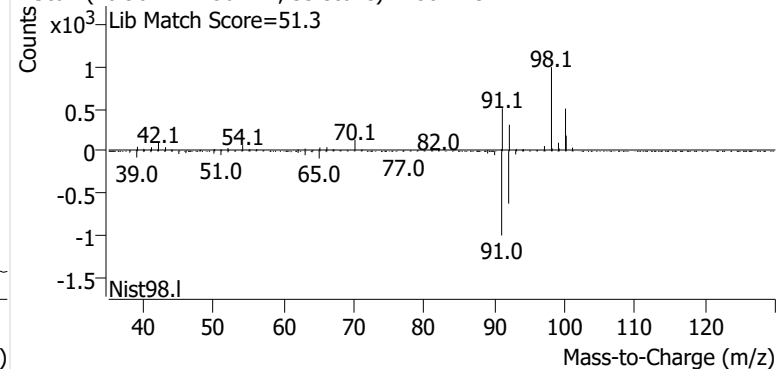
+ Scan (10.868-10.978 min, 19 scans) P2501729.D

**Toluene**

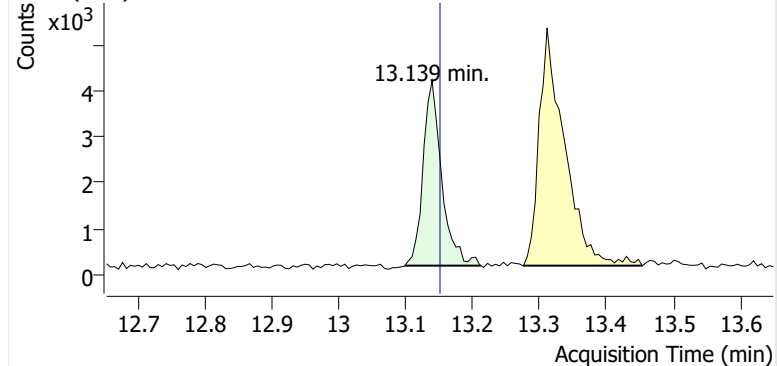
+ EIC (91.1) Scan P2501729.D



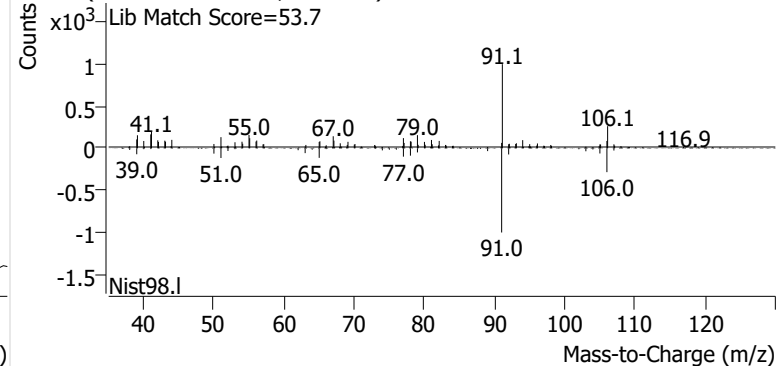
+ Scan (10.962-11.156 min, 33 scans) P2501729.D

**Ethylbenzene**

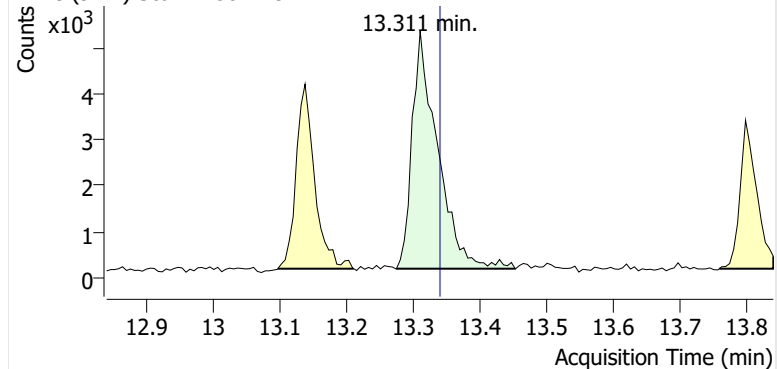
+ EIC (91.1) Scan P2501729.D



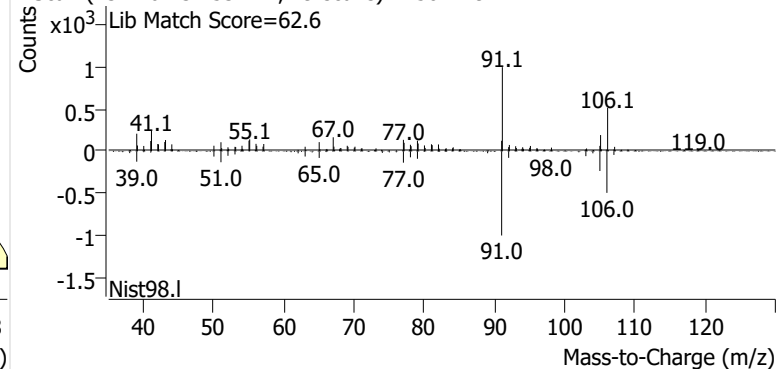
+ Scan (13.098-13.212 min, 19 scans) P2501729.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501729.D

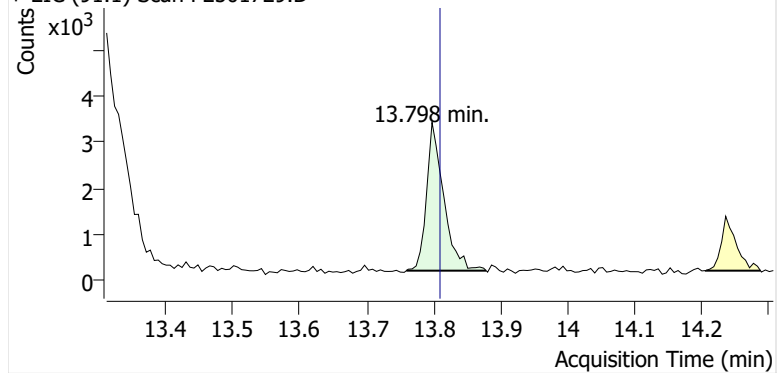


+ Scan (13.276-13.453 min, 29 scans) P2501729.D

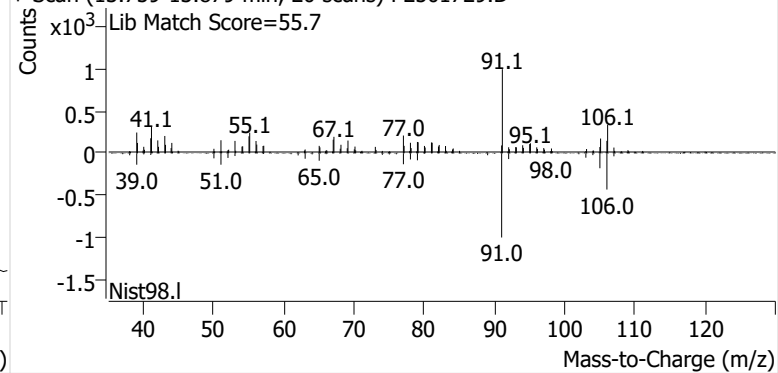


o-Xylene

+ EIC (91.1) Scan P2501729.D

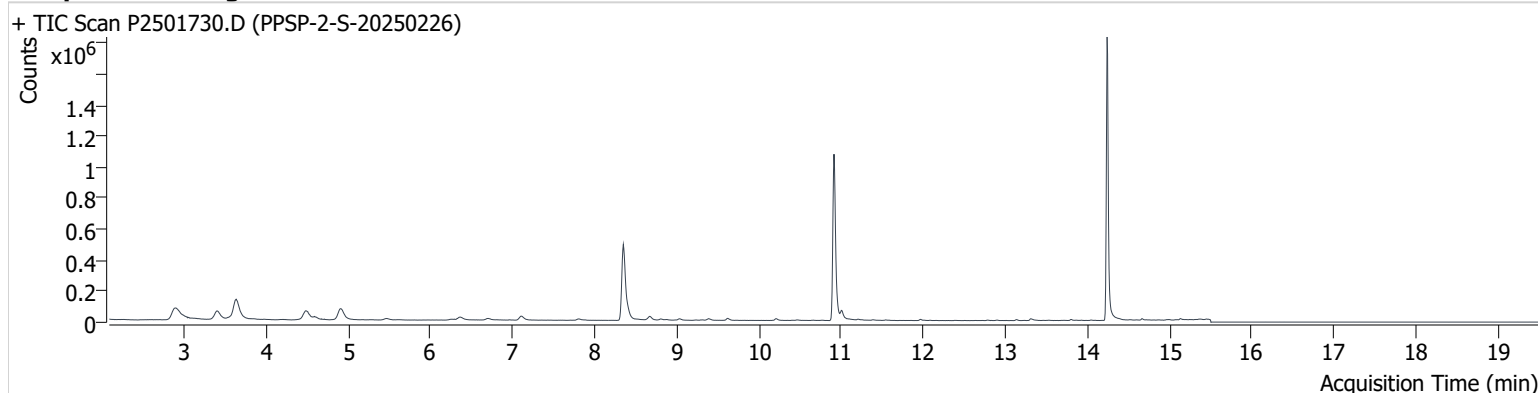


+ Scan (13.759-13.879 min, 20 scans) P2501729.D



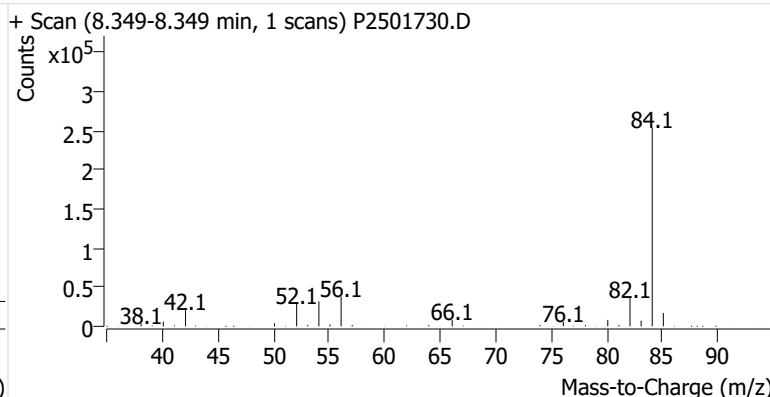
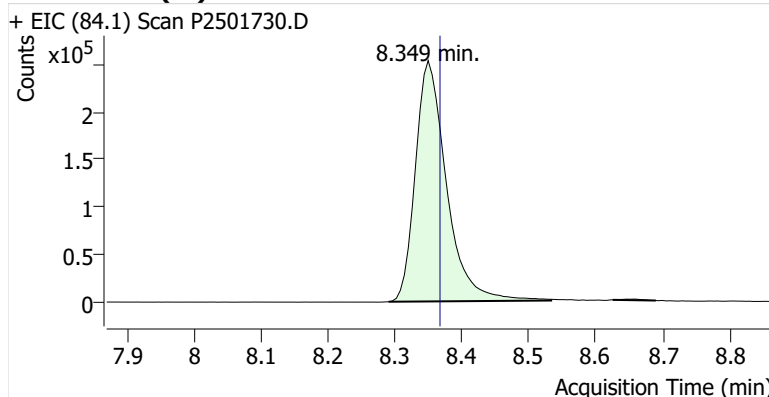
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Comment C40679
Data File P2501730.D
Acq. Date-Time 3/14/2025 8:48:47 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

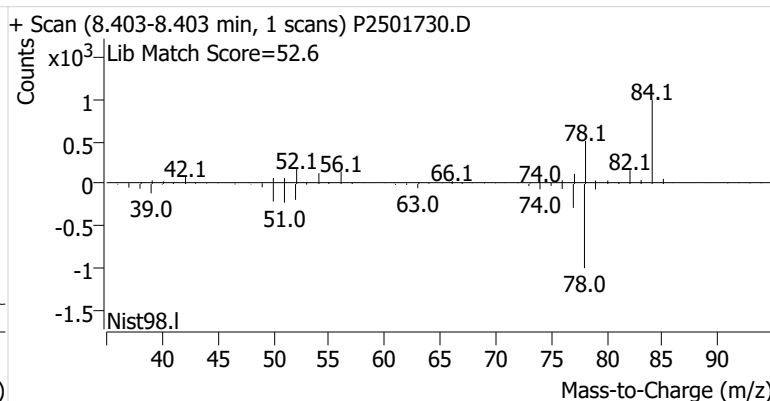
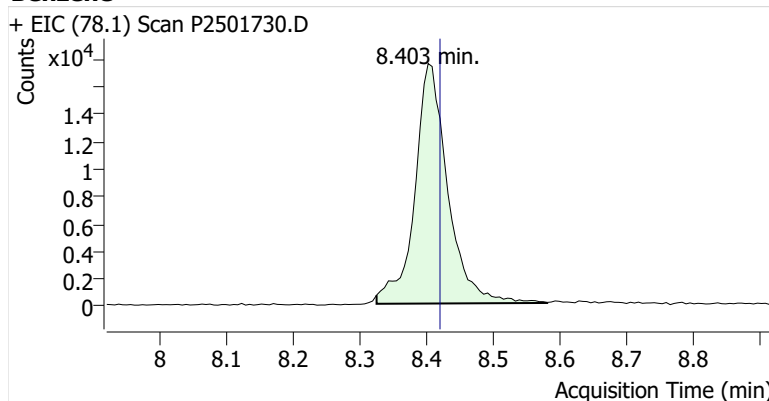


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	817,840	
Benzene	benzene-d6 (IS)	8.403	8.420	60,179	
Toluene-d8 (IS)		10.913	10.925	985,338	
Toluene	Toluene-d8 (IS)	11.008	11.020	41,965	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	5,750	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.341	12,003	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	4,722	

benzene-d6 (IS)

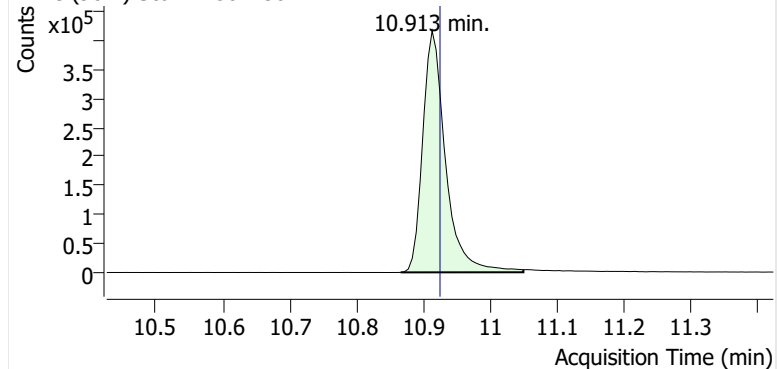


Benzene

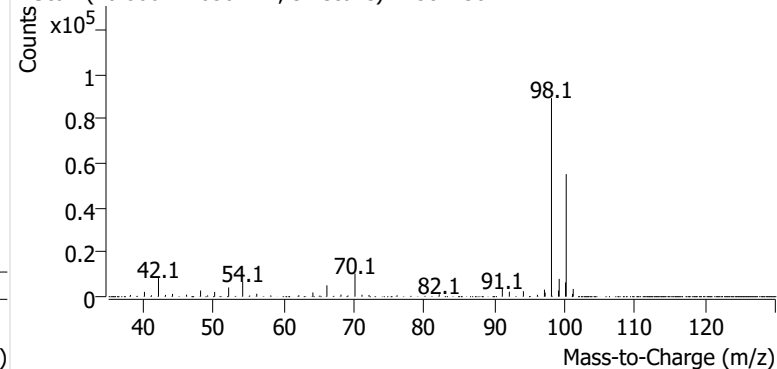


Toluene-d8 (IS)

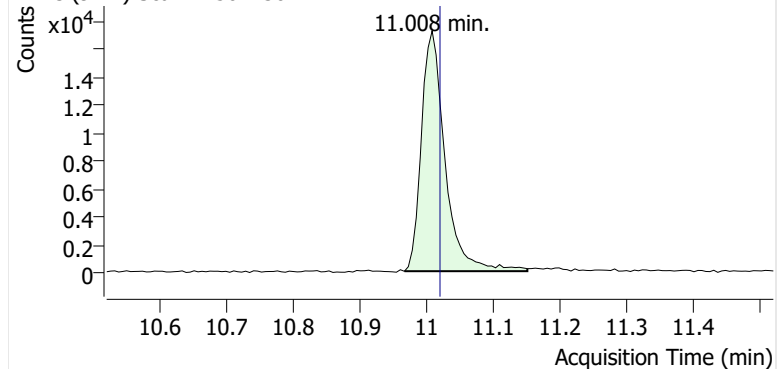
+ EIC (98.1) Scan P2501730.D



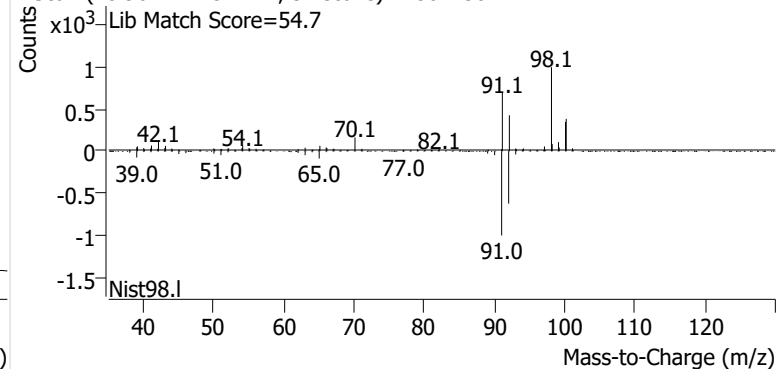
+ Scan (10.866-11.050 min, 31 scans) P2501730.D

**Toluene**

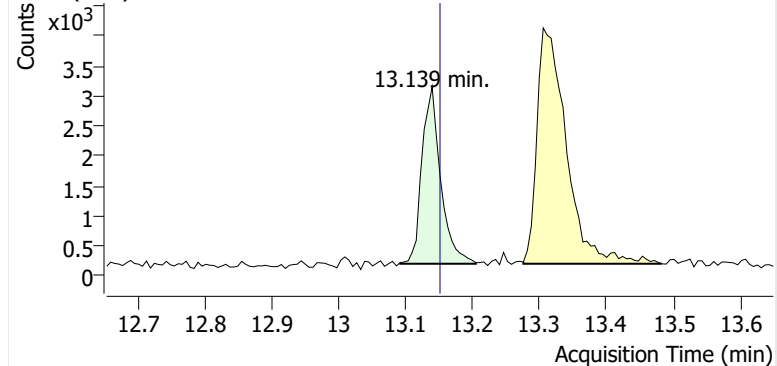
+ EIC (91.1) Scan P2501730.D



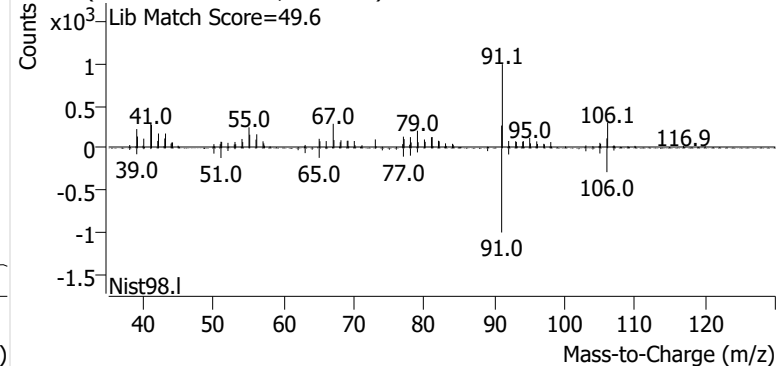
+ Scan (10.967-11.151 min, 31 scans) P2501730.D

**Ethylbenzene**

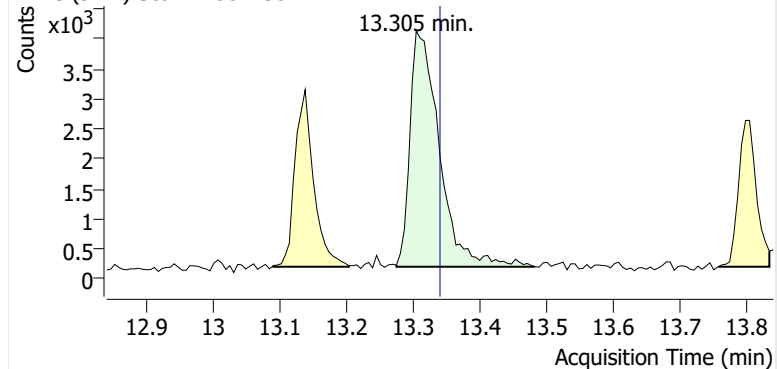
+ EIC (91.1) Scan P2501730.D



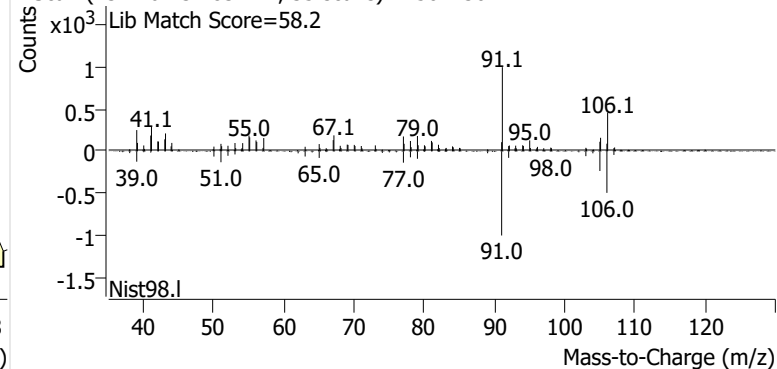
+ Scan (13.092-13.204 min, 20 scans) P2501730.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501730.D

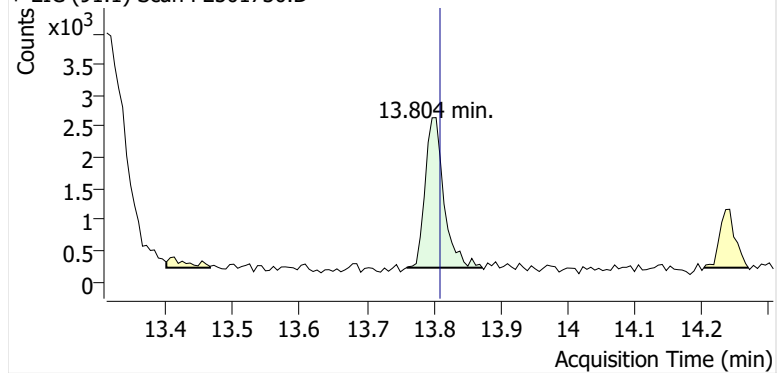


+ Scan (13.276-13.483 min, 35 scans) P2501730.D

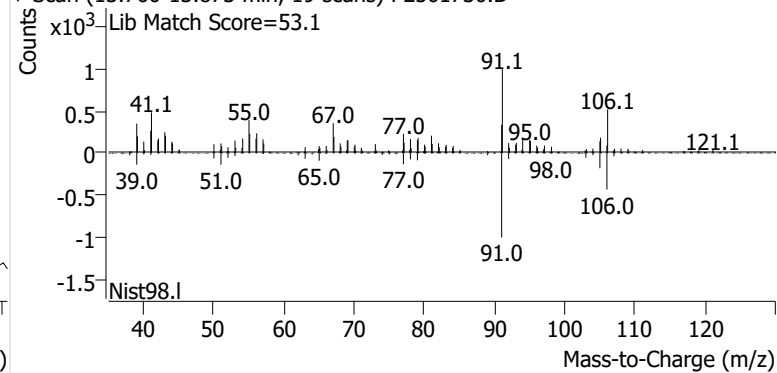


o-Xylene

+ EIC (91.1) Scan P2501730.D

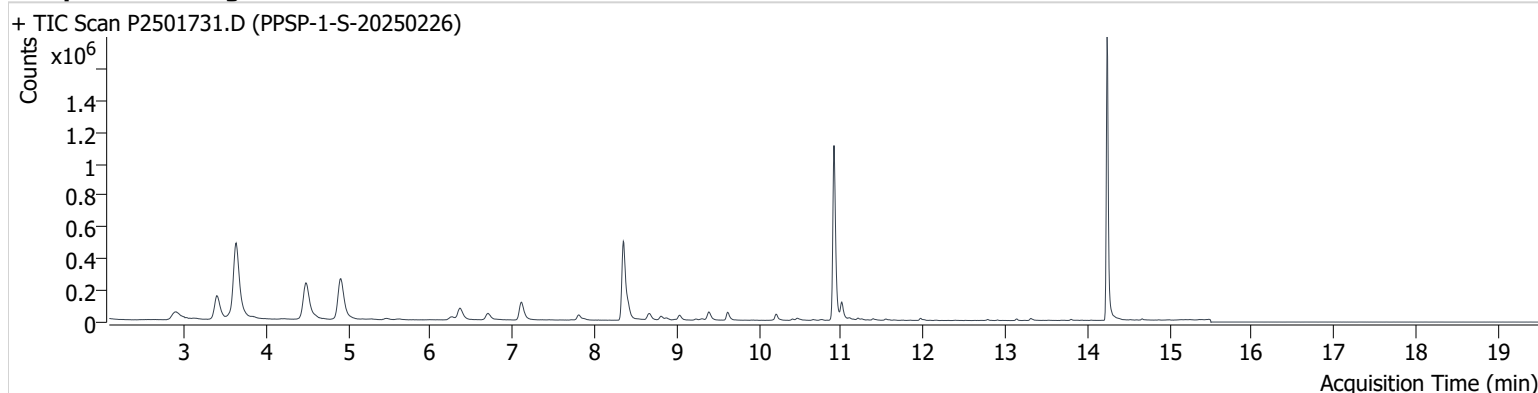


+ Scan (13.760-13.873 min, 19 scans) P2501730.D



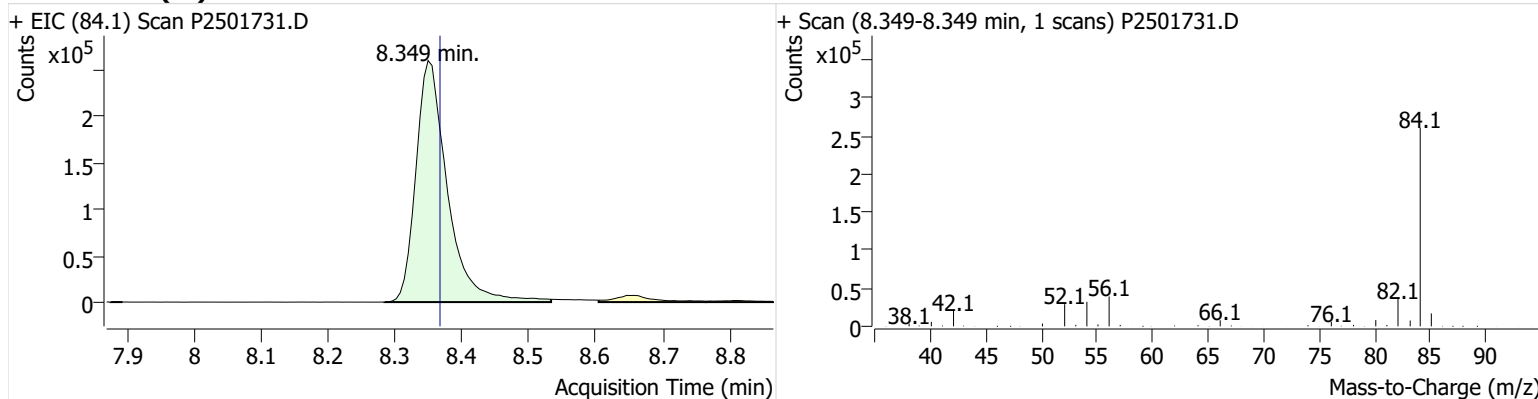
Name PPSP-1-S-20250226
Comment B15121
Data File P2501731.D
Acq. Date-Time 3/14/2025 9:26:03 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

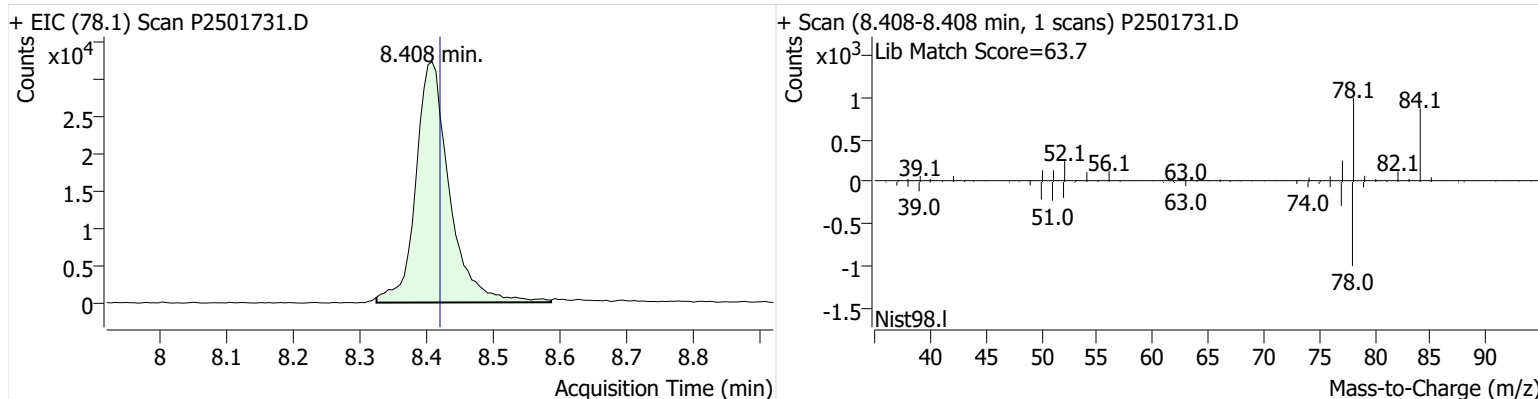


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	850,809	
Benzene	benzene-d6 (IS)	8.408	8.420	112,753	
Toluene-d8 (IS)		10.913	10.925	1,014,345	
Toluene	Toluene-d8 (IS)	11.008	11.020	80,354	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,939	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.341	11,983	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	4,837	

benzene-d6 (IS)

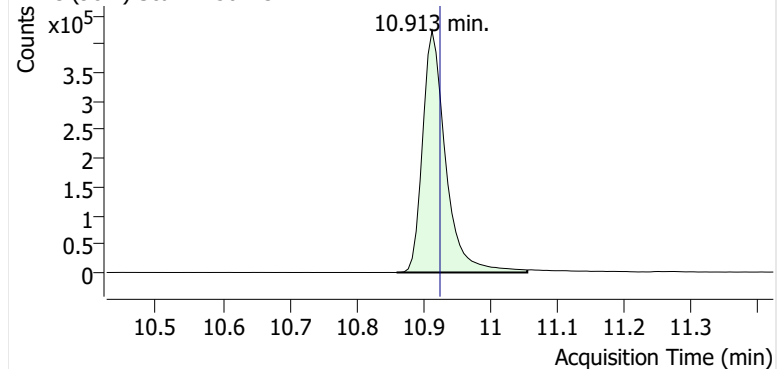


Benzene

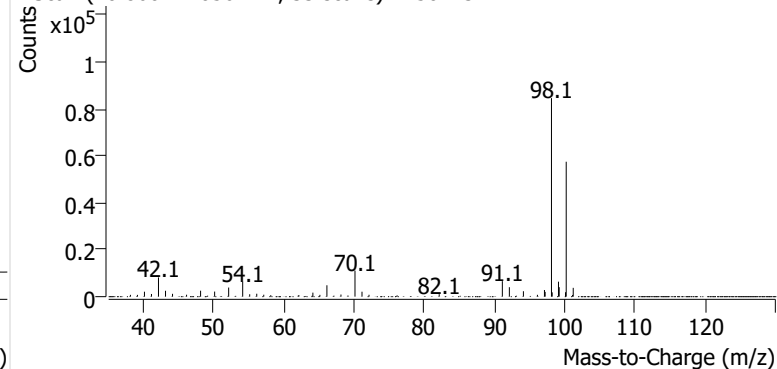


Toluene-d8 (IS)

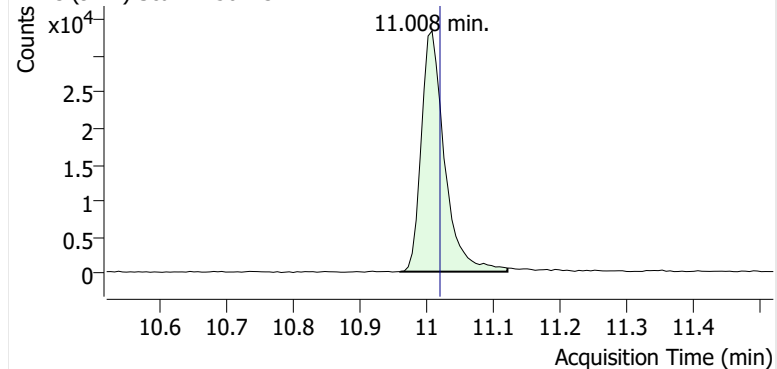
+ EIC (98.1) Scan P2501731.D



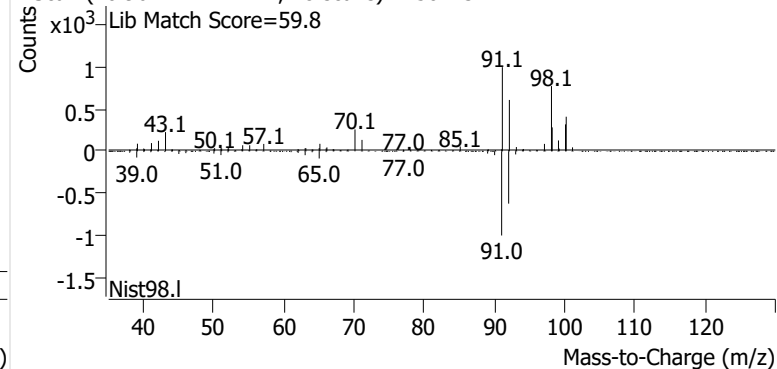
+ Scan (10.860-11.056 min, 33 scans) P2501731.D

**Toluene**

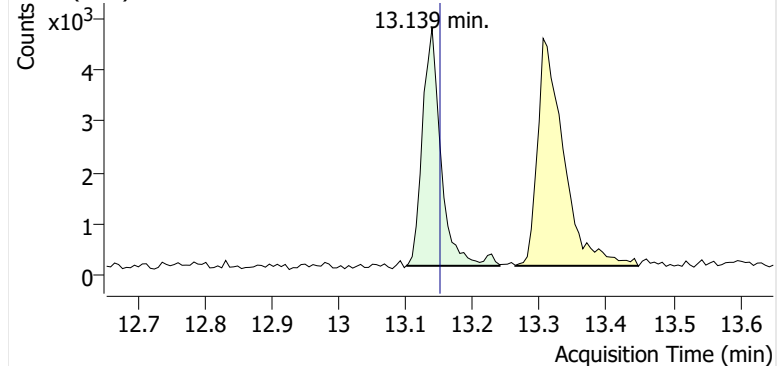
+ EIC (91.1) Scan P2501731.D



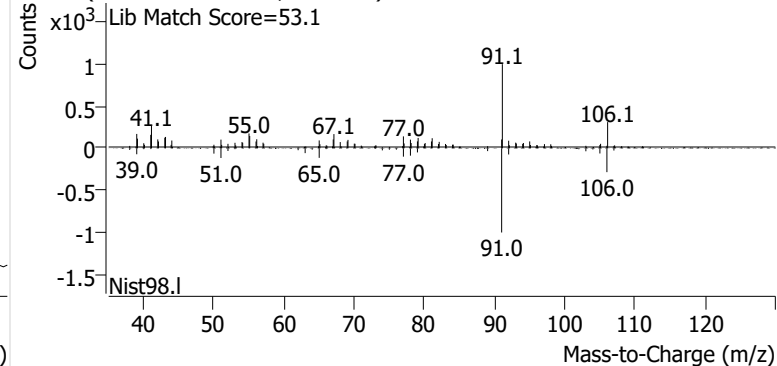
+ Scan (10.961-11.121 min, 28 scans) P2501731.D

**Ethylbenzene**

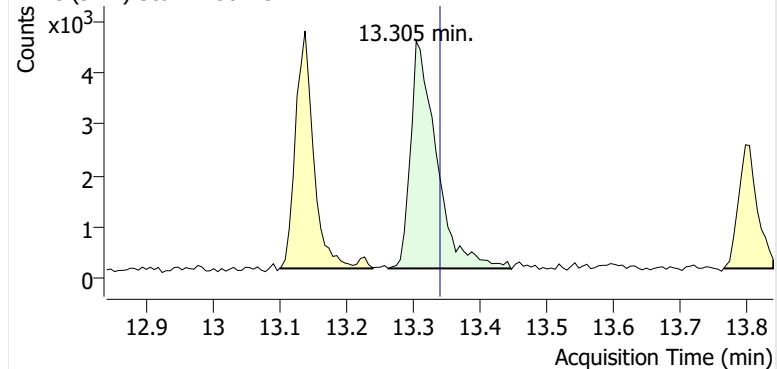
+ EIC (91.1) Scan P2501731.D



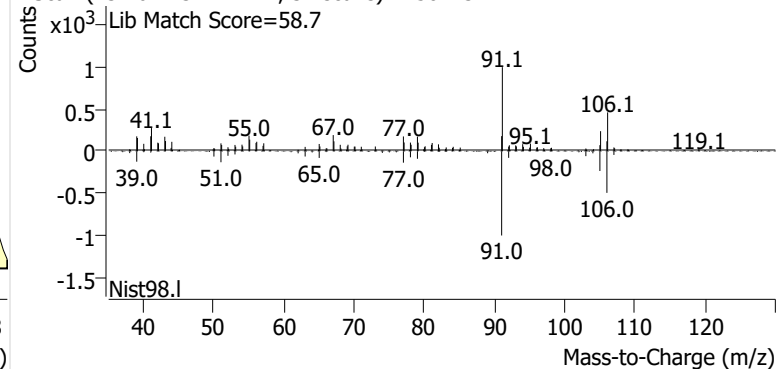
+ Scan (13.100-13.240 min, 24 scans) P2501731.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501731.D

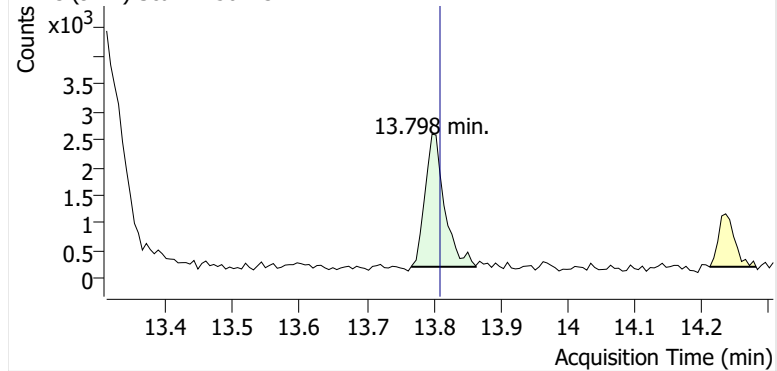


+ Scan (13.264-13.447 min, 31 scans) P2501731.D

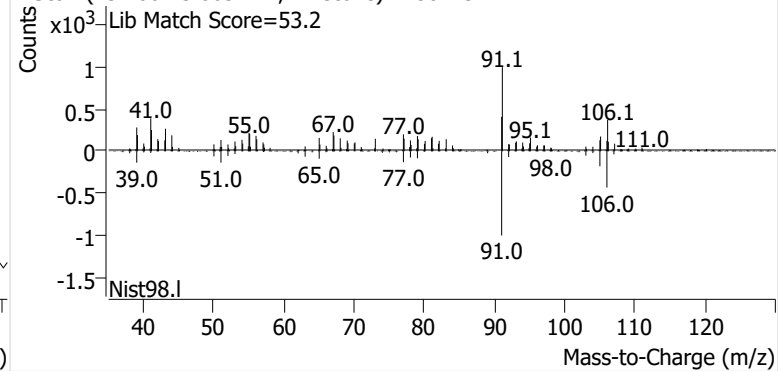


o-Xylene

+ EIC (91.1) Scan P2501731.D

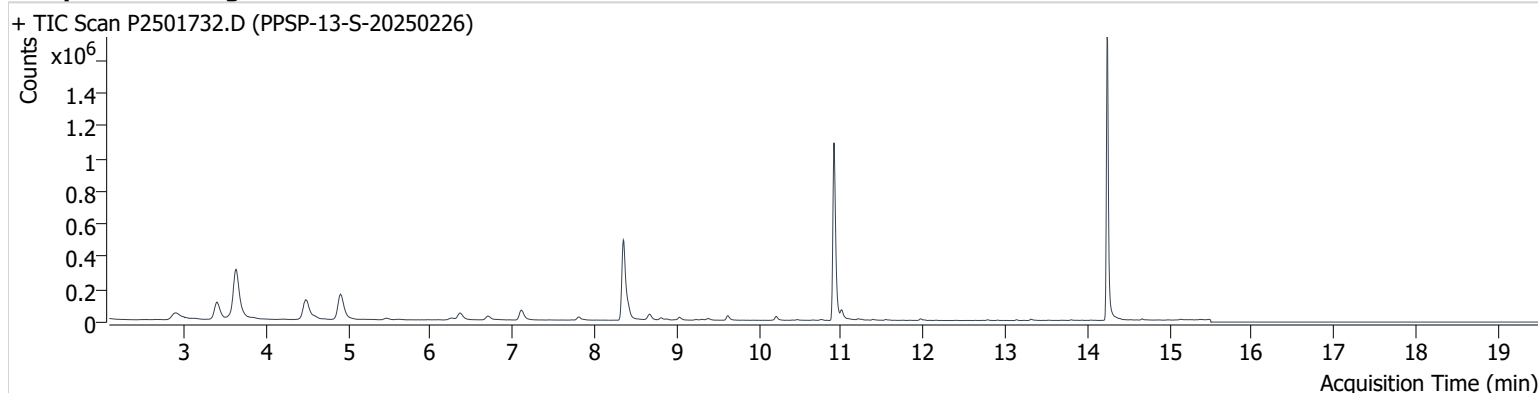


+ Scan (13.766-13.863 min, 17 scans) P2501731.D



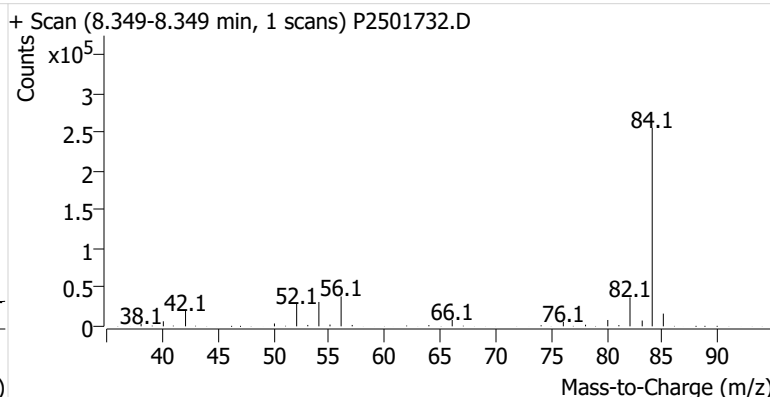
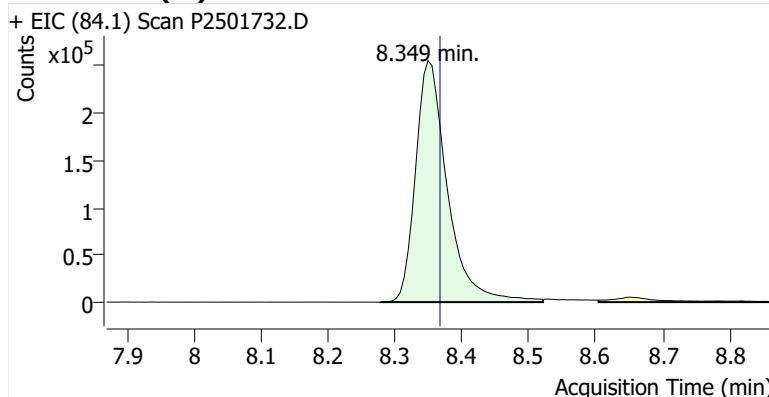
Name PPSP-13-S-20250226
Comment B48188
Data File P2501732.D
Acq. Date-Time 3/14/2025 10:03:21 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

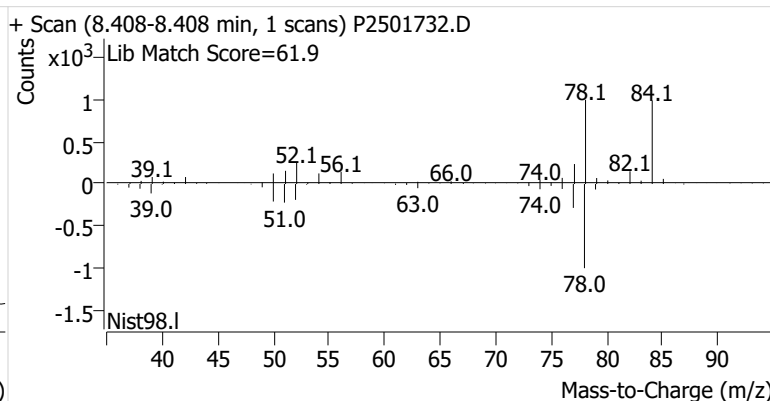
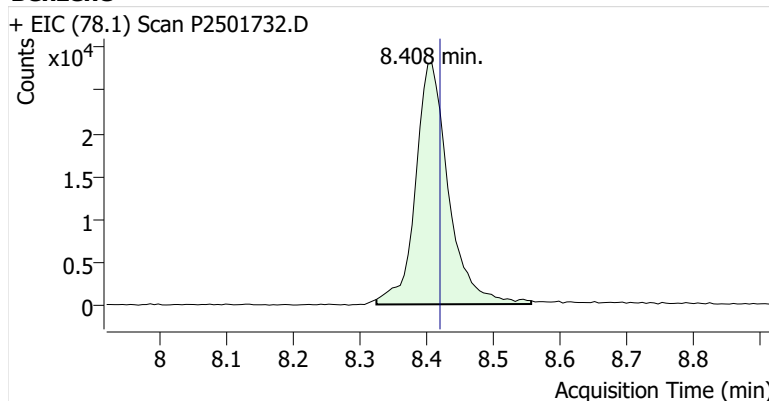


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	843,849	
Benzene	benzene-d6 (IS)	8.408	8.420	96,585	
Toluene-d8 (IS)		10.913	10.925	1,001,993	
Toluene	Toluene-d8 (IS)	11.008	11.020	42,034	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	4,313	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	6,740	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	2,786	

benzene-d6 (IS)

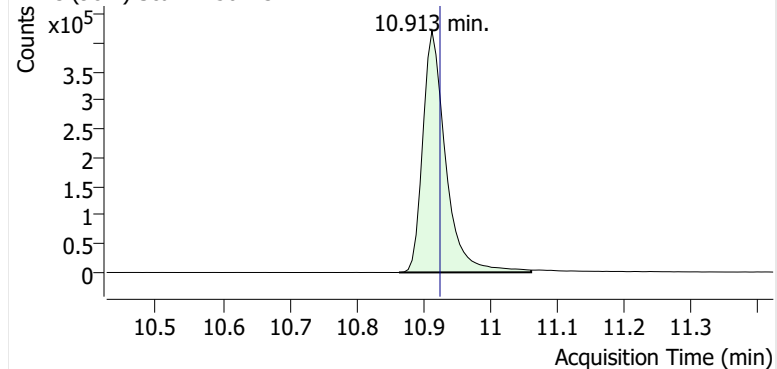


Benzene

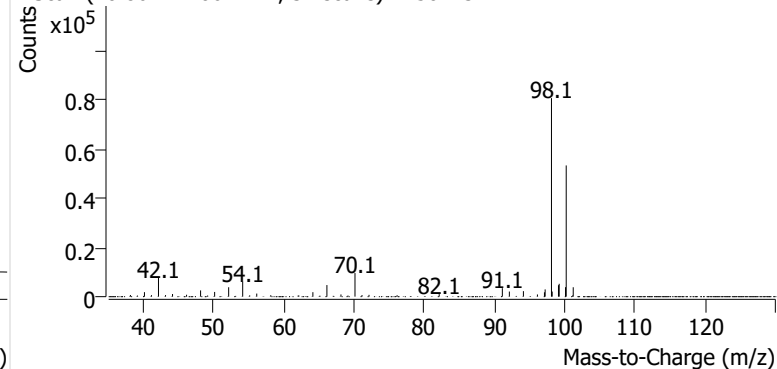


Toluene-d8 (IS)

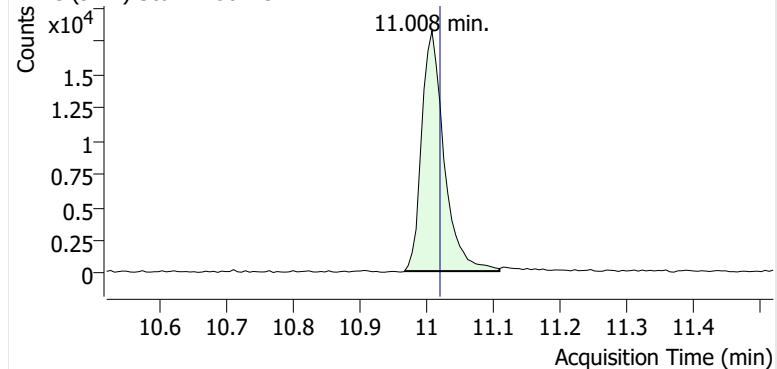
+ EIC (98.1) Scan P2501732.D



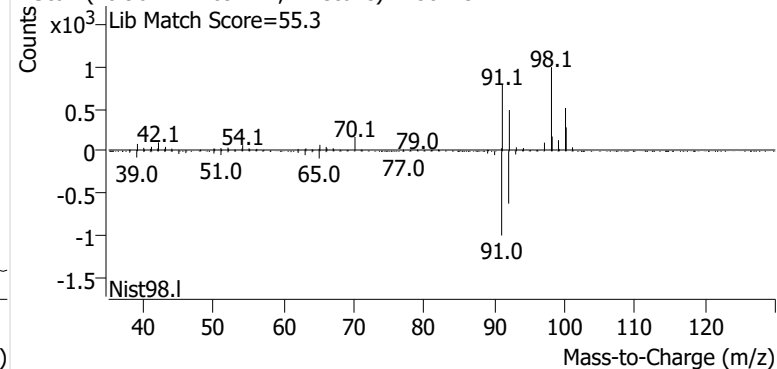
+ Scan (10.864-11.061 min, 34 scans) P2501732.D

**Toluene**

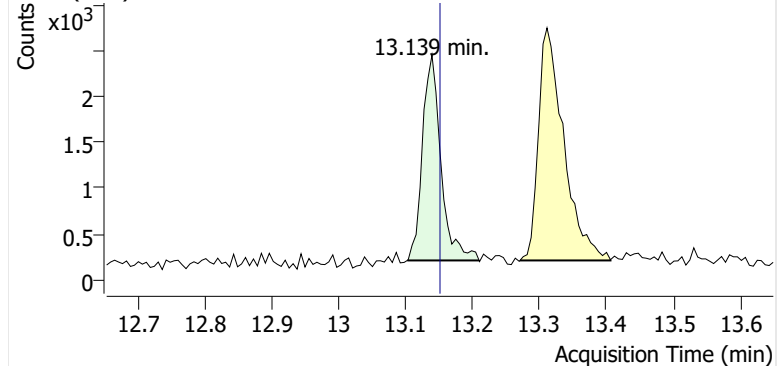
+ EIC (91.1) Scan P2501732.D



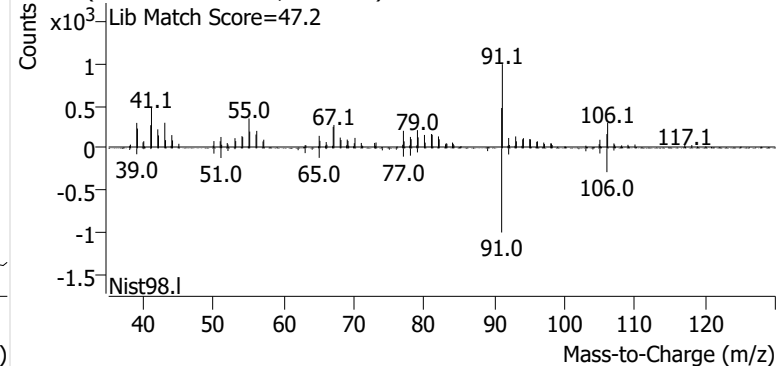
+ Scan (10.967-11.109 min, 24 scans) P2501732.D

**Ethylbenzene**

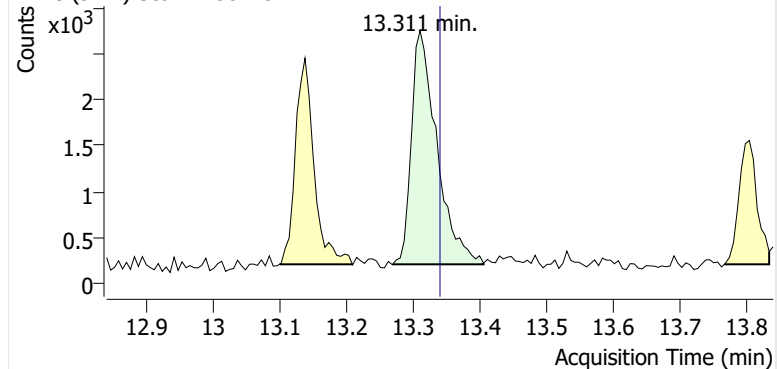
+ EIC (91.1) Scan P2501732.D



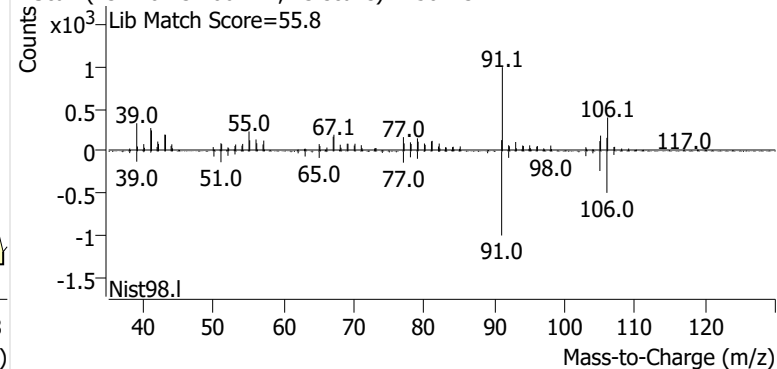
+ Scan (13.102-13.209 min, 18 scans) P2501732.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501732.D

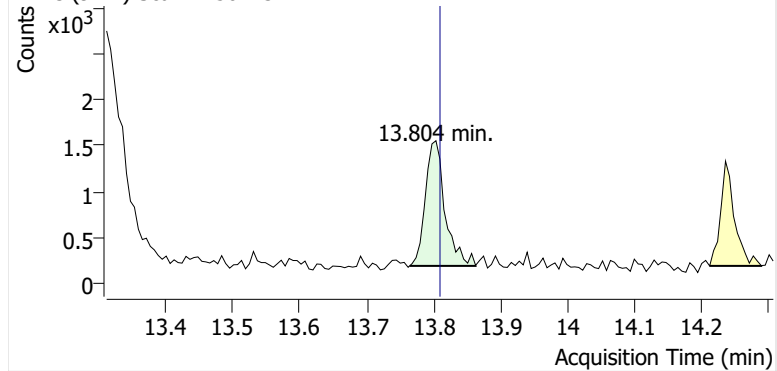


+ Scan (13.270-13.406 min, 23 scans) P2501732.D

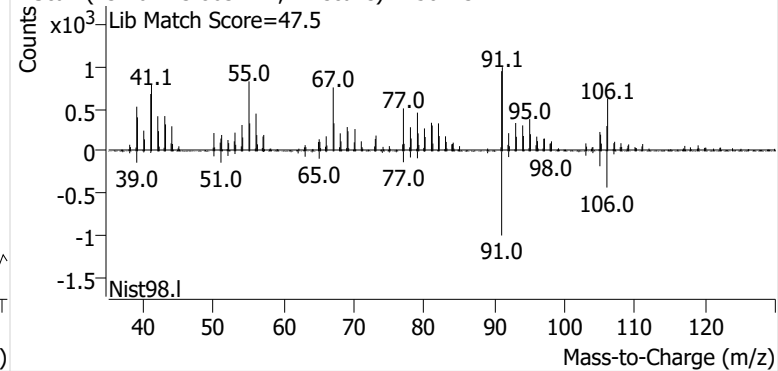


o-Xylene

+ EIC (91.1) Scan P2501732.D

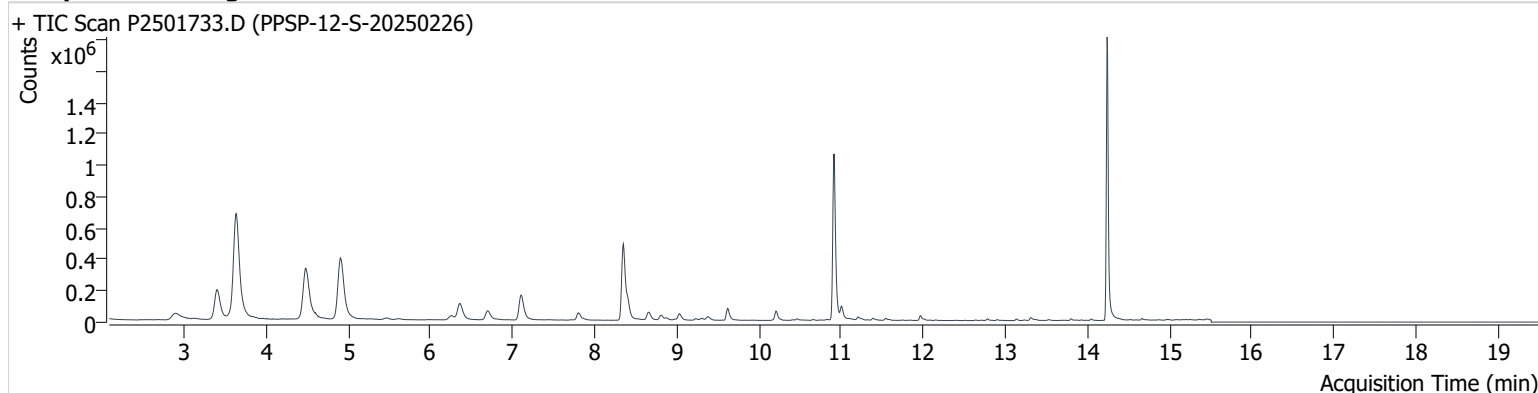


+ Scan (13.764-13.863 min, 17 scans) P2501732.D



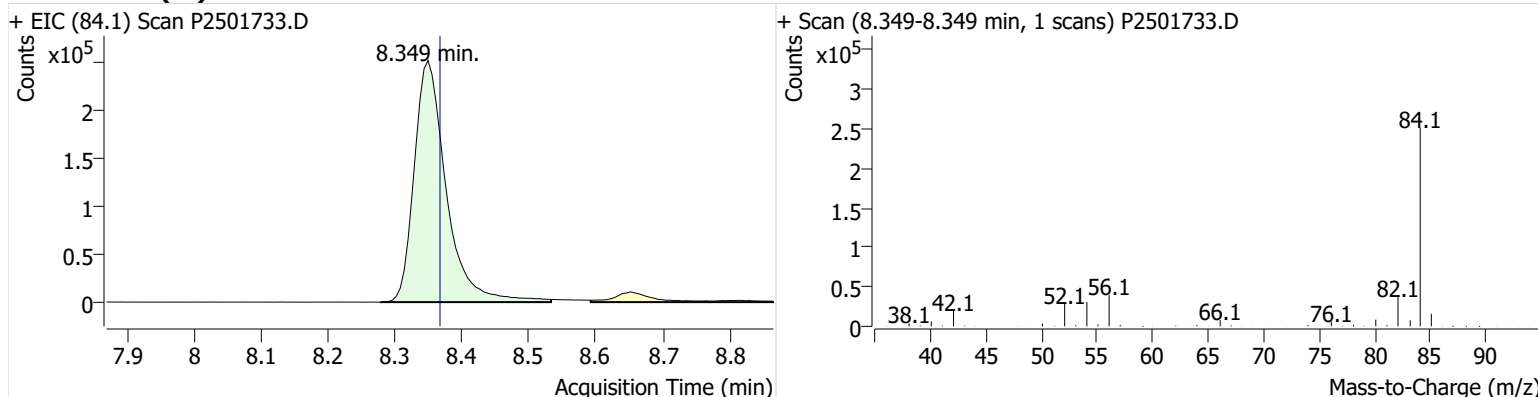
Name PPSP-12-S-20250226
Comment B15544
Data File P2501733.D
Acq. Date-Time 3/14/2025 10:40:36 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

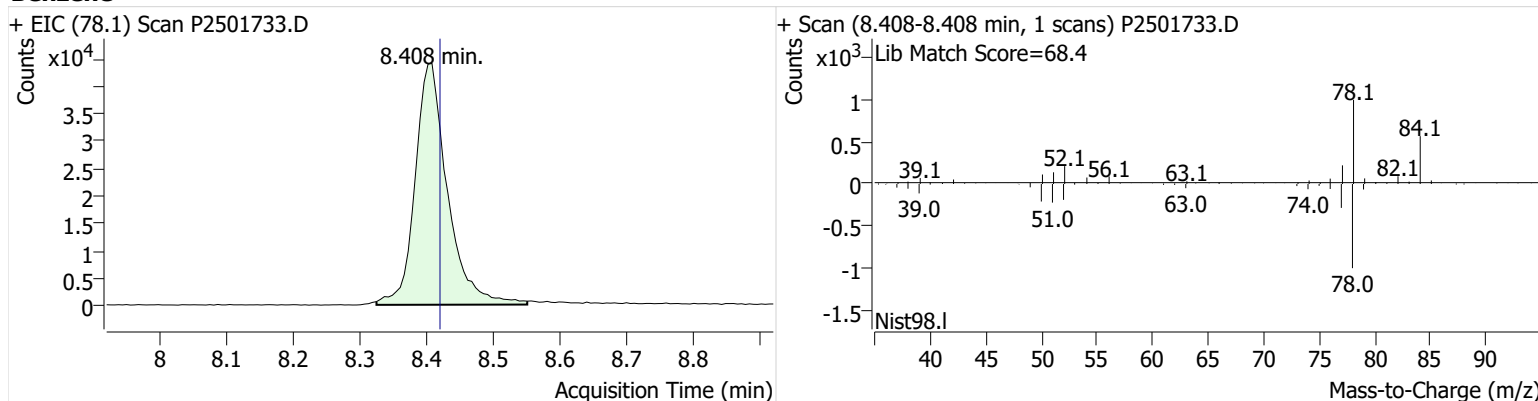


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	835,053	
Benzene	benzene-d6 (IS)	8.408	8.420	147,951	
Toluene-d8 (IS)		10.913	10.925	988,851	
Toluene	Toluene-d8 (IS)	11.008	11.020	68,489	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,097	
m-/p-Xylenes	Toluene-d8 (IS)	13.305	13.341	17,089	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	6,896	

benzene-d6 (IS)

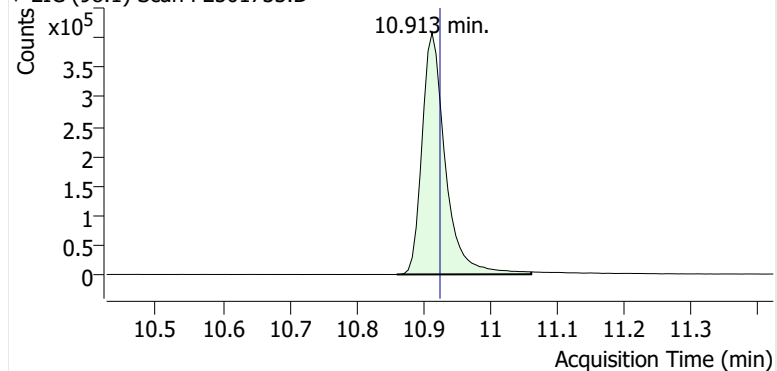


Benzene

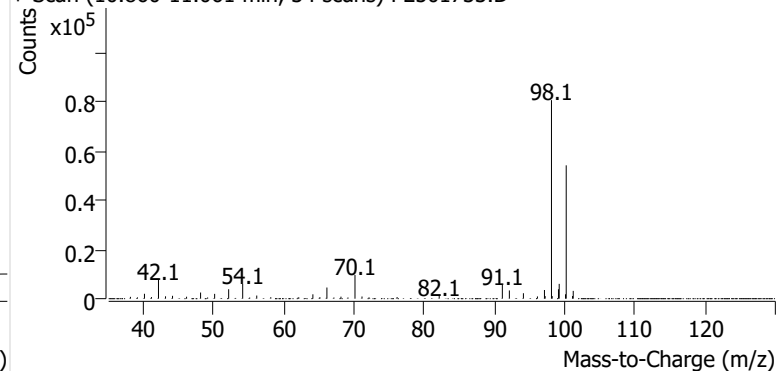


Toluene-d8 (IS)

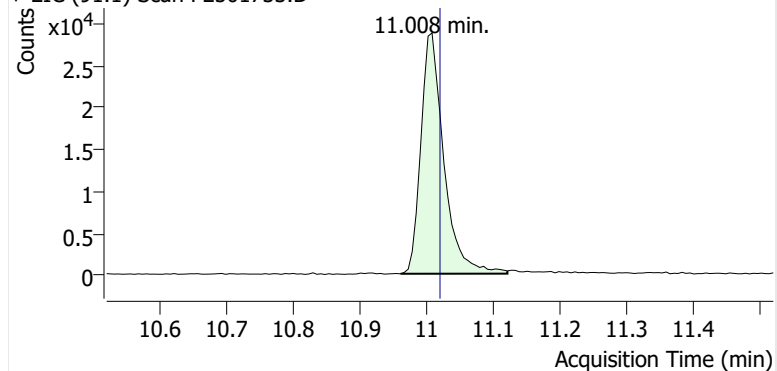
+ EIC (98.1) Scan P2501733.D



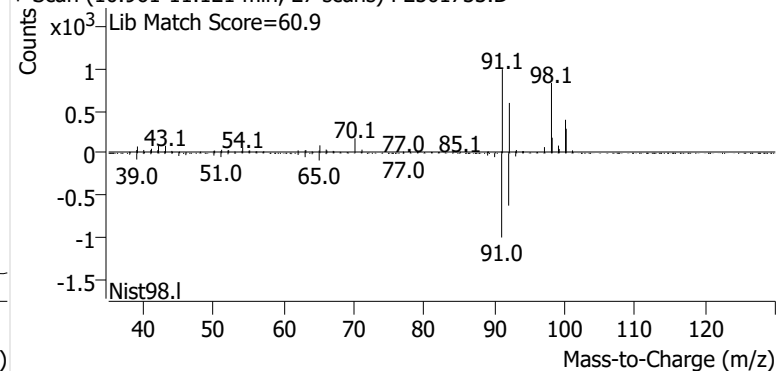
+ Scan (10.860-11.061 min, 34 scans) P2501733.D

**Toluene**

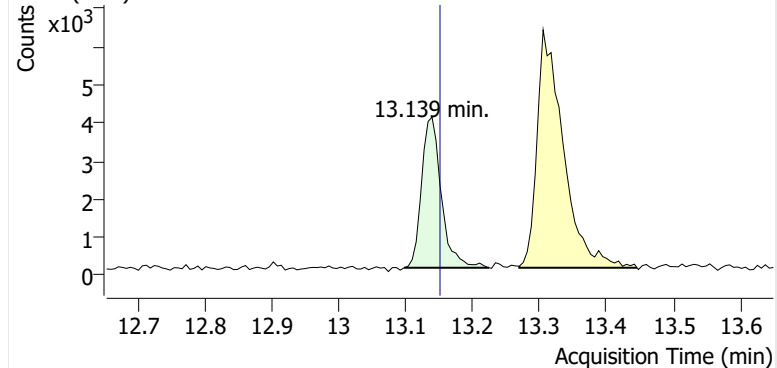
+ EIC (91.1) Scan P2501733.D



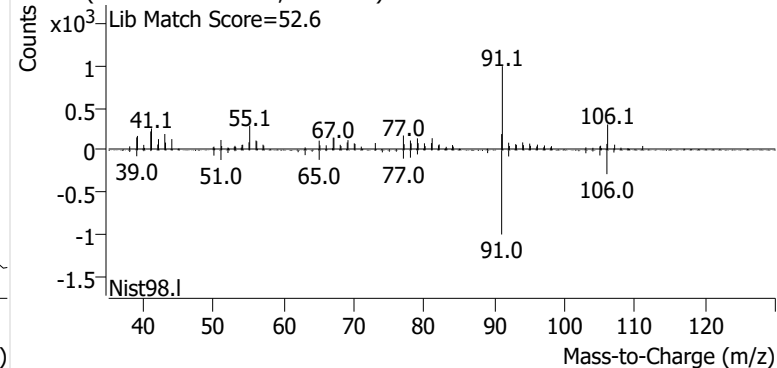
+ Scan (10.961-11.121 min, 27 scans) P2501733.D

**Ethylbenzene**

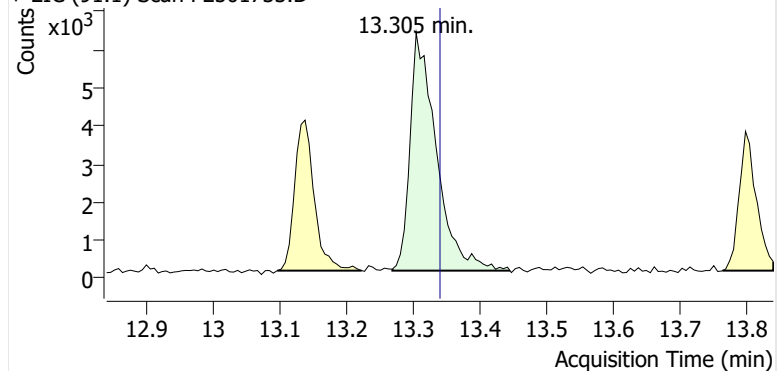
+ EIC (91.1) Scan P2501733.D



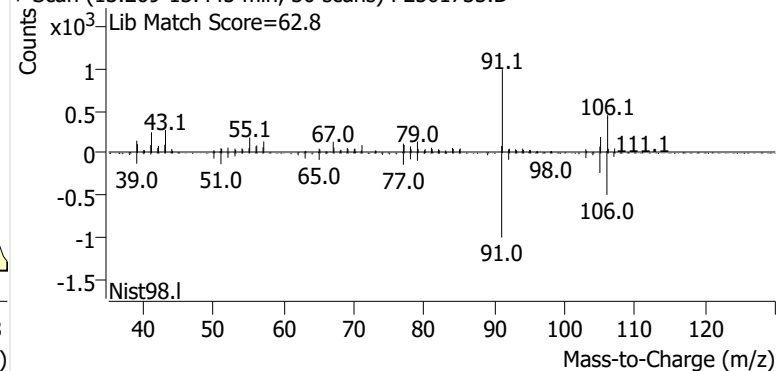
+ Scan (13.097-13.224 min, 22 scans) P2501733.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501733.D

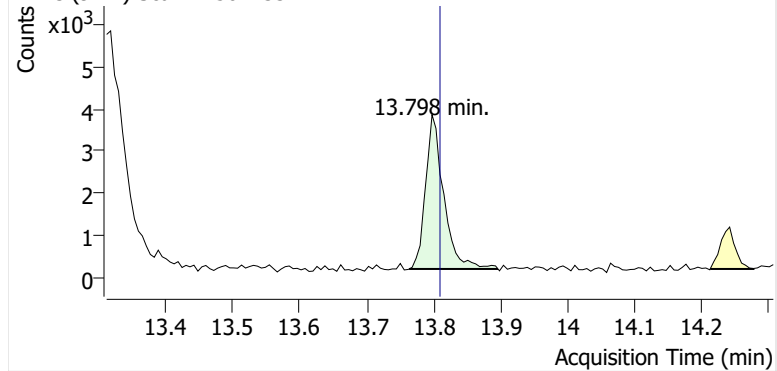


+ Scan (13.269-13.445 min, 30 scans) P2501733.D

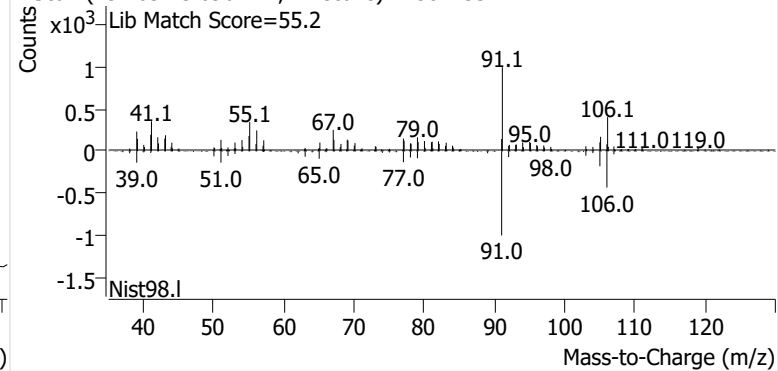


o-Xylene

+ EIC (91.1) Scan P2501733.D

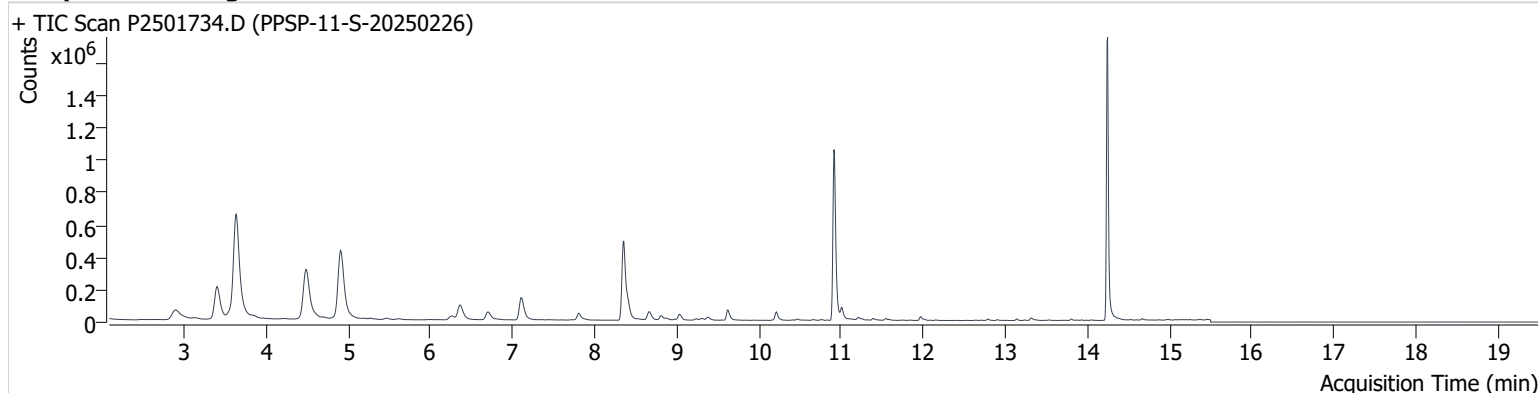


+ Scan (13.763-13.896 min, 22 scans) P2501733.D



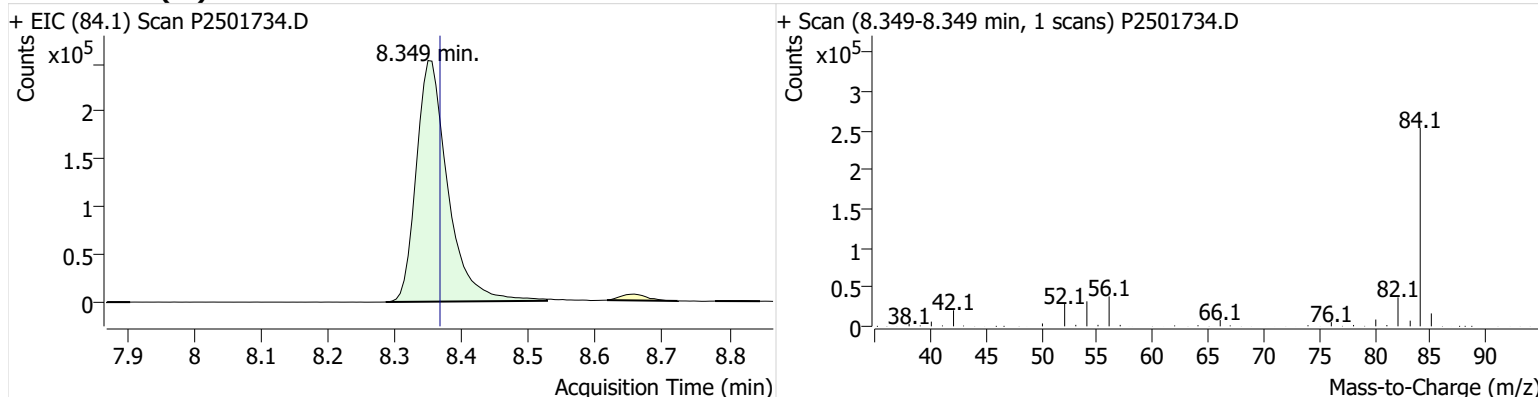
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Comment B49560
Data File P2501734.D
Acq. Date-Time 3/14/2025 11:17:51 PM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

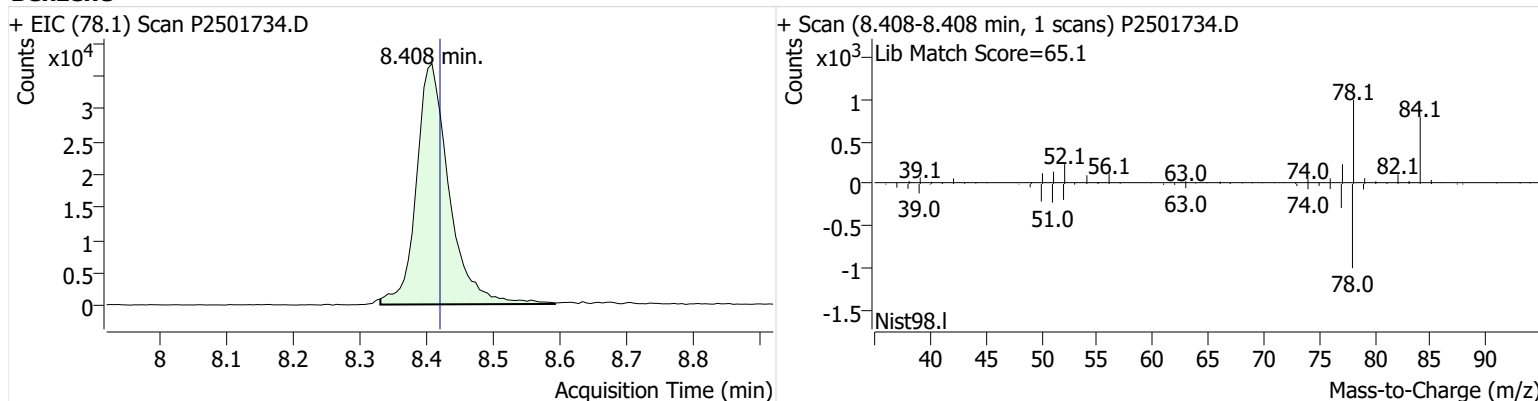


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	829,486	
Benzene	benzene-d6 (IS)	8.408	8.420	124,863	
Toluene-d8 (IS)		10.913	10.925	993,044	
Toluene	Toluene-d8 (IS)	11.008	11.020	60,529	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	7,992	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	15,073	
o-Xylene	Toluene-d8 (IS)	13.803	13.810	5,827	

benzene-d6 (IS)

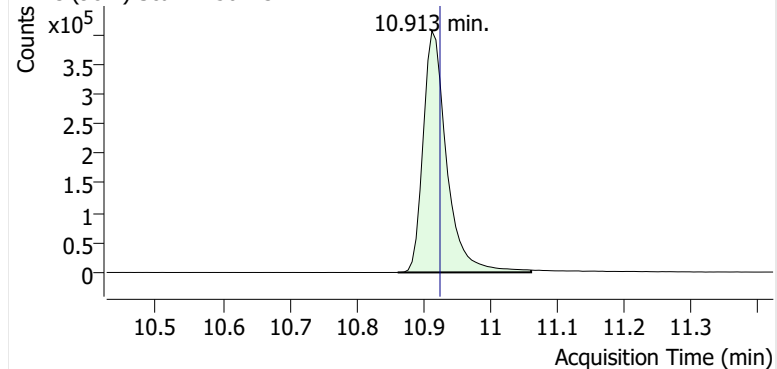


Benzene

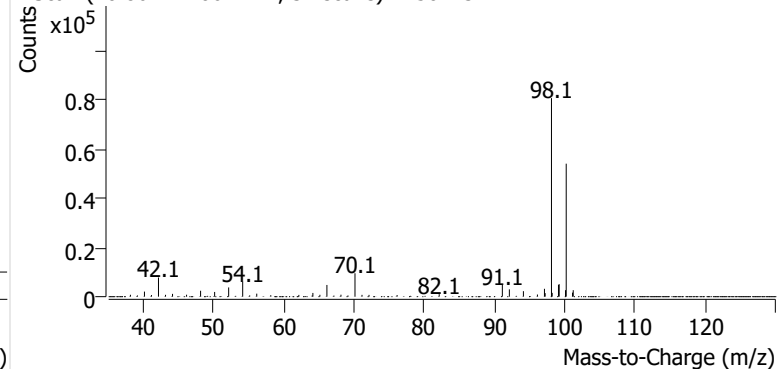


Toluene-d8 (IS)

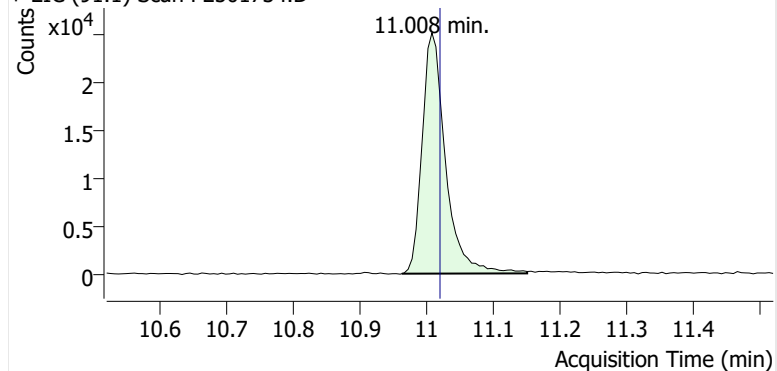
+ EIC (98.1) Scan P2501734.D



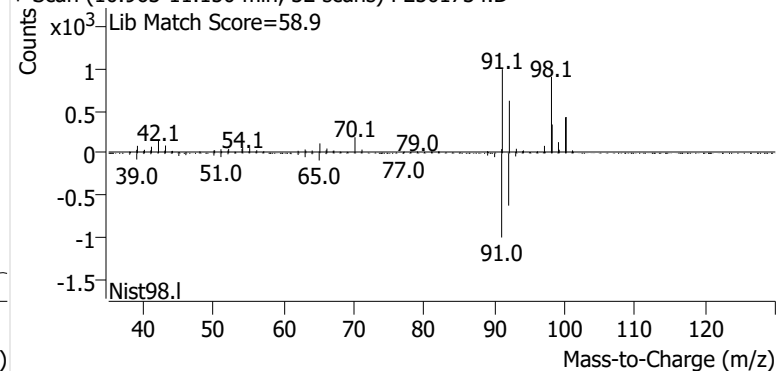
+ Scan (10.862-11.061 min, 34 scans) P2501734.D

**Toluene**

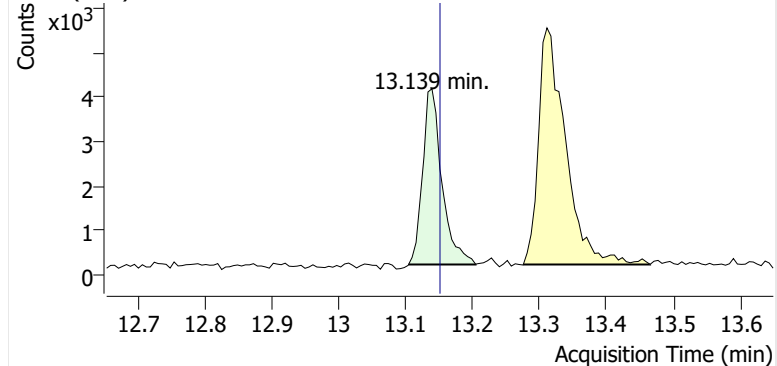
+ EIC (91.1) Scan P2501734.D



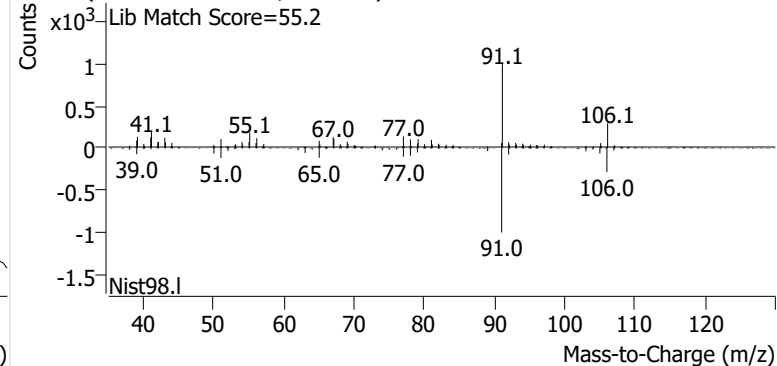
+ Scan (10.963-11.150 min, 32 scans) P2501734.D

**Ethylbenzene**

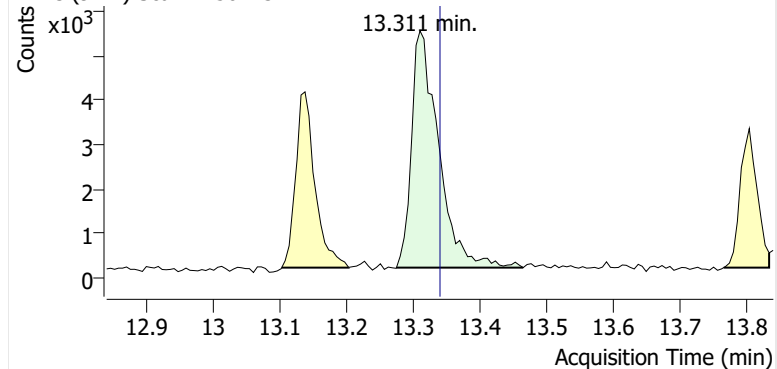
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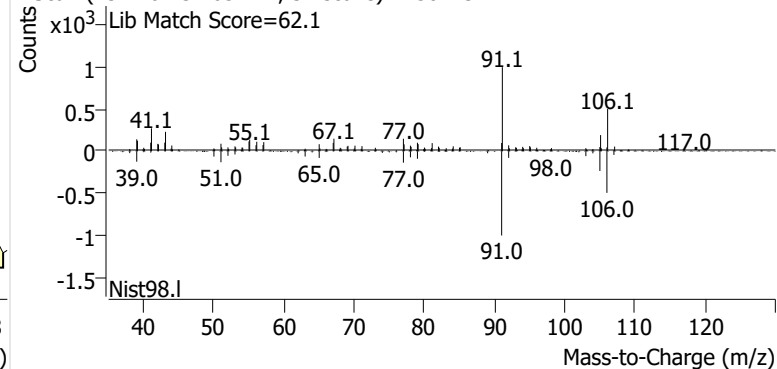
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**m-/p-Xylenes**

+ EIC (91.1) Scan P2501734.D

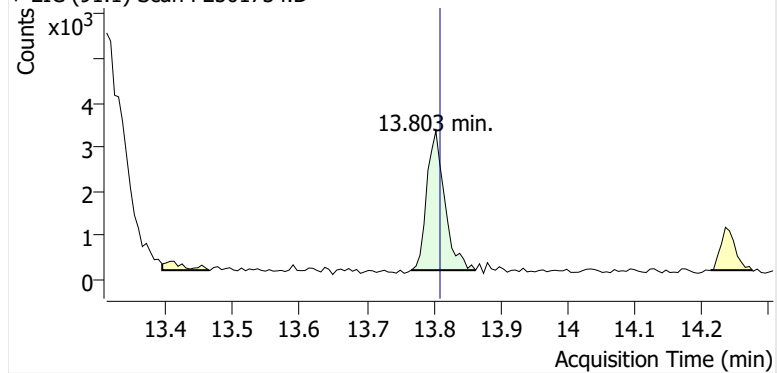


+ Scan (13.276-13.465 min, 31 scans) P2501734.D

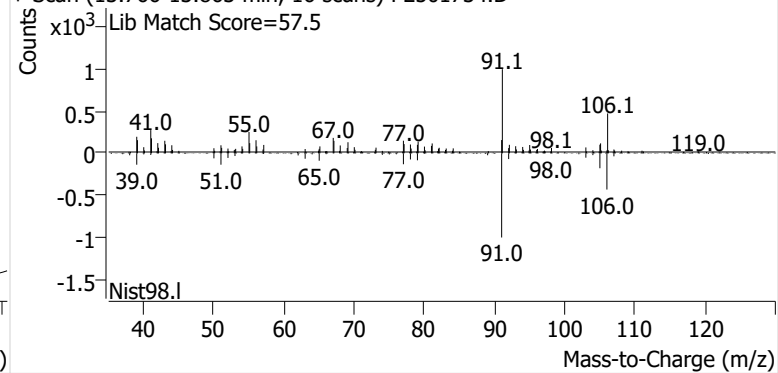


o-Xylene

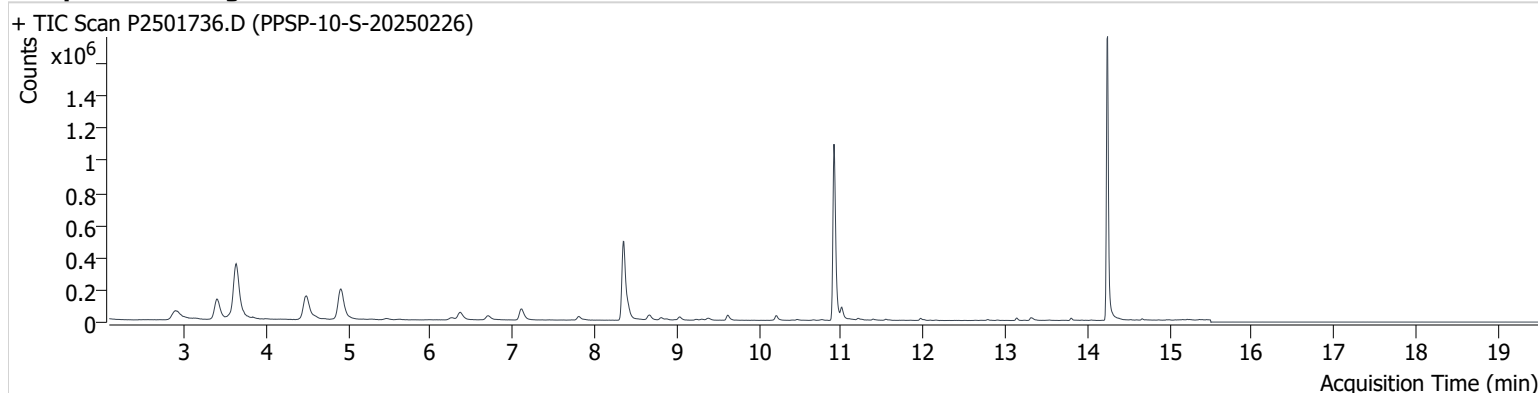
+ EIC (91.1) Scan P2501734.D



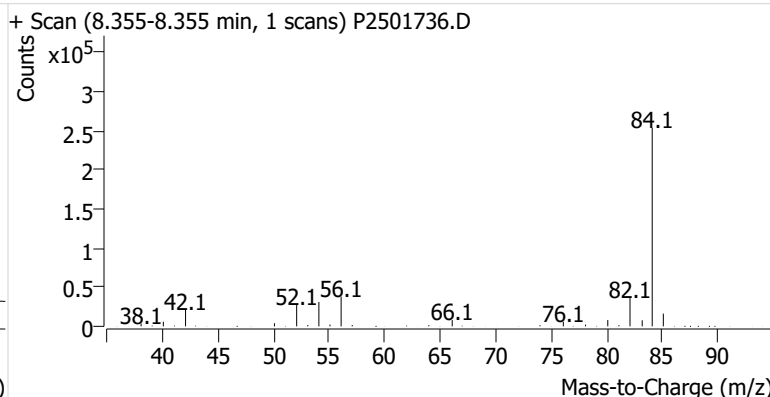
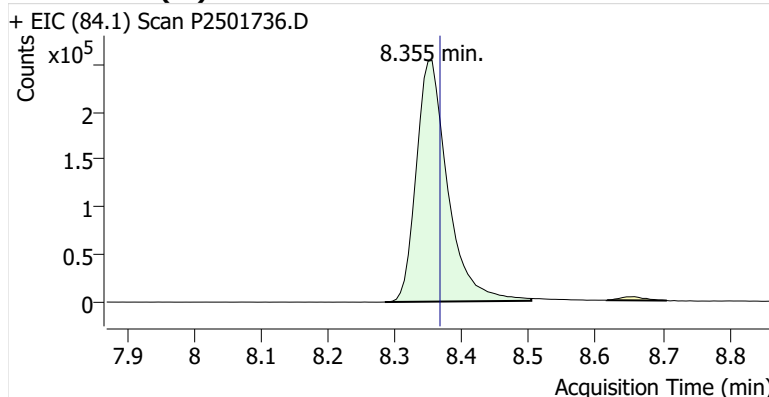
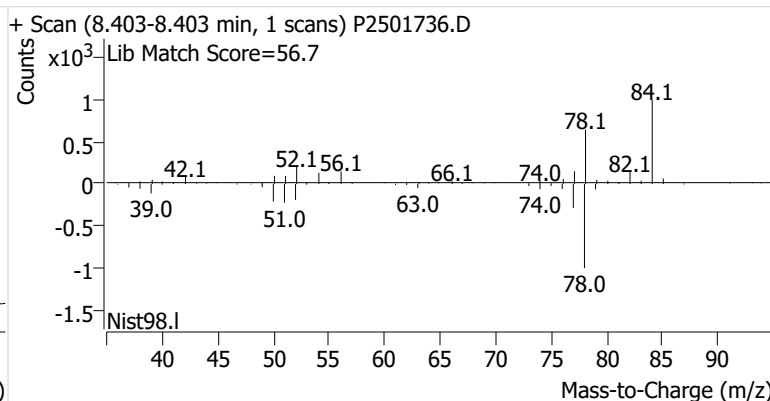
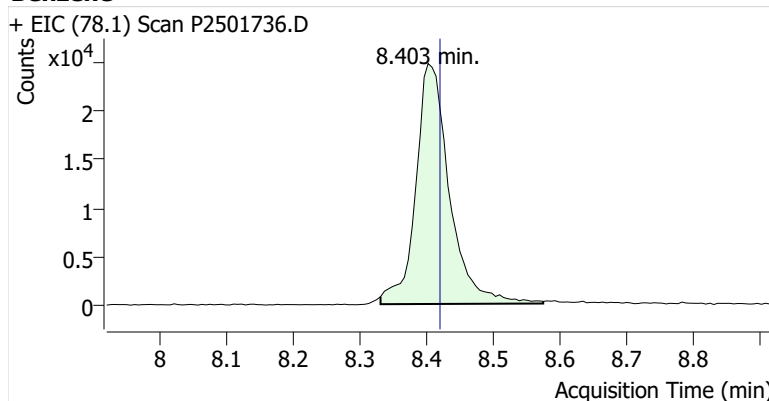
+ Scan (13.766-13.863 min, 16 scans) P2501734.D



Name PPSP-10-S-20250226
Comment B50574
Data File P2501736.D
Acq. Date-Time 3/15/2025 12:32:23 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

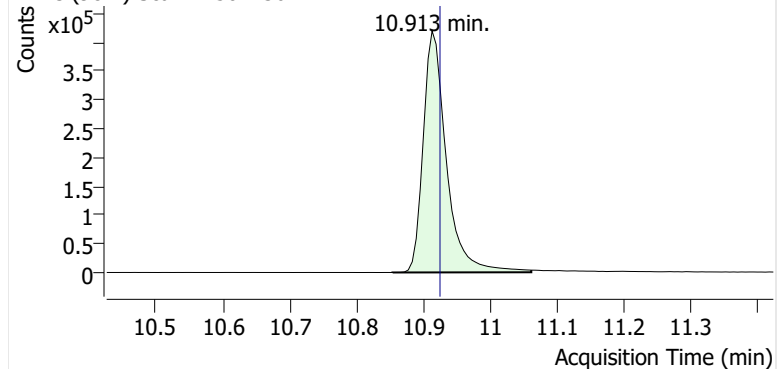
Sample Chromatogram

Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	830,002	
Benzene	benzene-d6 (IS)	8.403	8.420	86,385	
Toluene-d8 (IS)		10.913	10.925	1,009,710	
Toluene	Toluene-d8 (IS)	11.008	11.020	59,177	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	13,667	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	18,599	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	9,047	

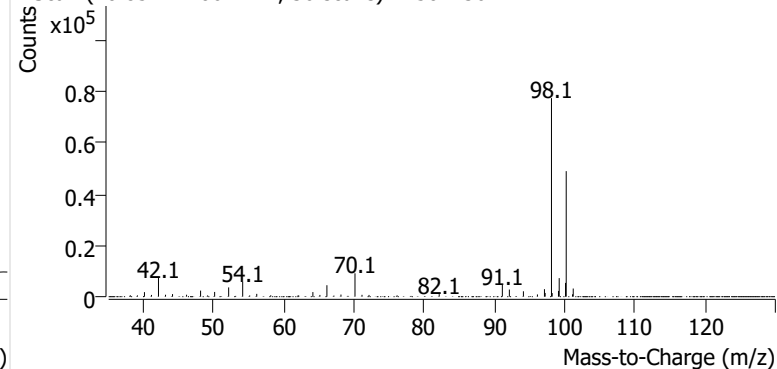
benzene-d6 (IS)**Benzene**

Toluene-d8 (IS)

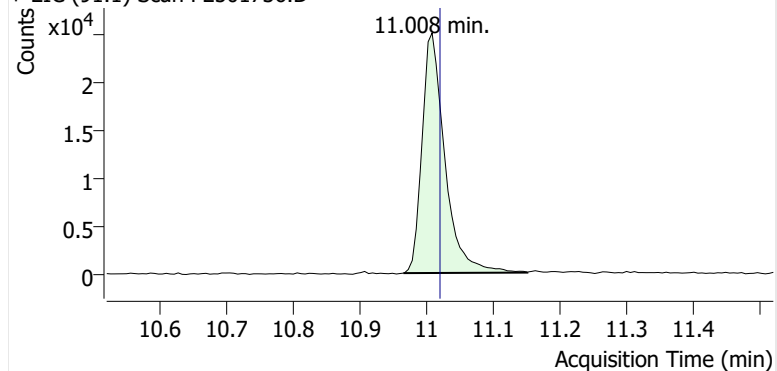
+ EIC (98.1) Scan P2501736.D



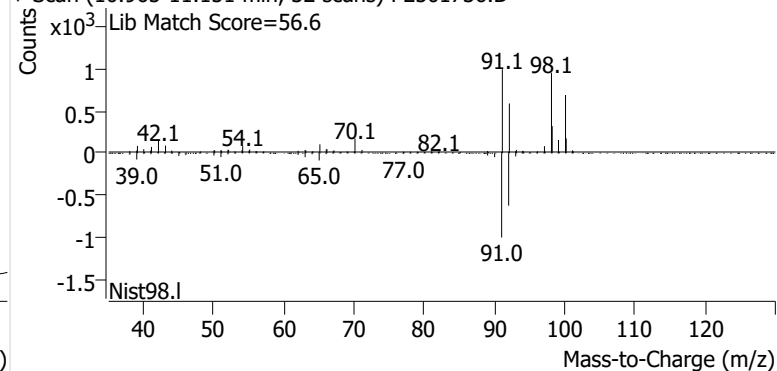
+ Scan (10.854-11.062 min, 36 scans) P2501736.D

**Toluene**

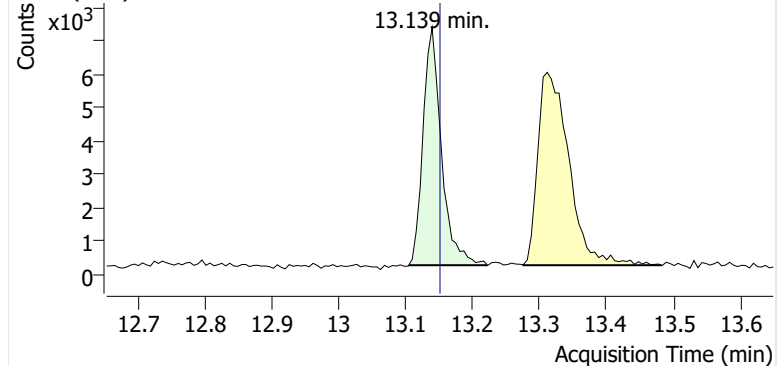
+ EIC (91.1) Scan P2501736.D



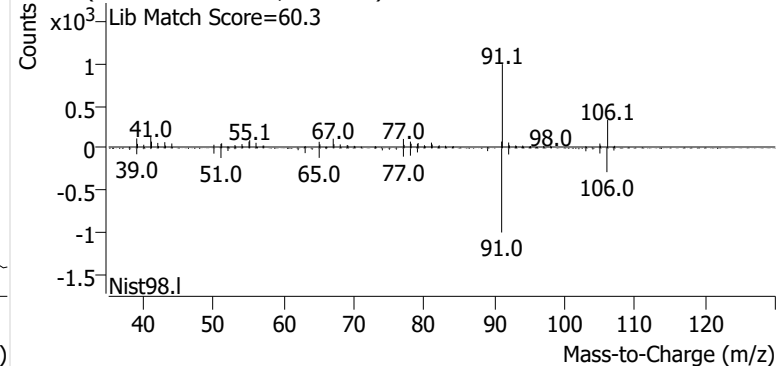
+ Scan (10.965-11.151 min, 32 scans) P2501736.D

**Ethylbenzene**

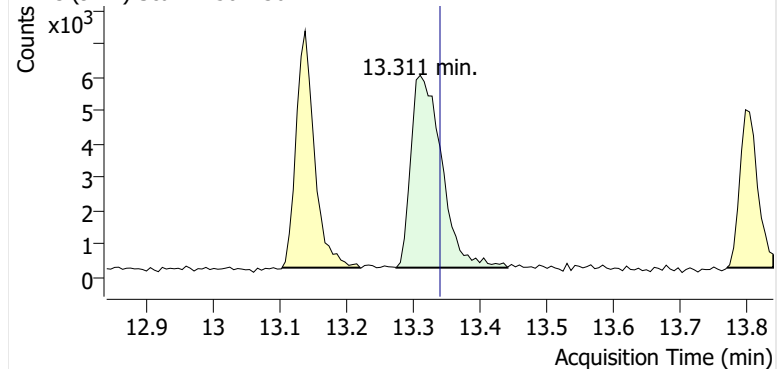
+ EIC (91.1) Scan P2501736.D



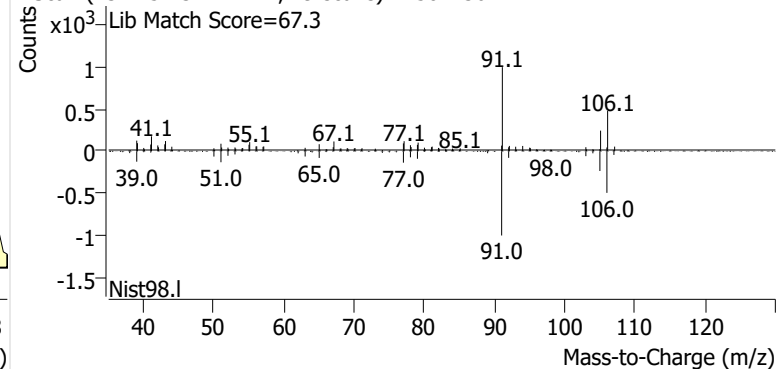
+ Scan (13.104-13.222 min, 19 scans) P2501736.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501736.D

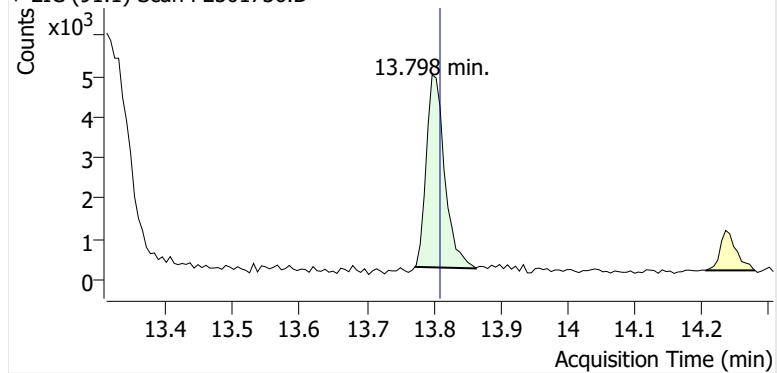


+ Scan (13.275-13.442 min, 29 scans) P2501736.D

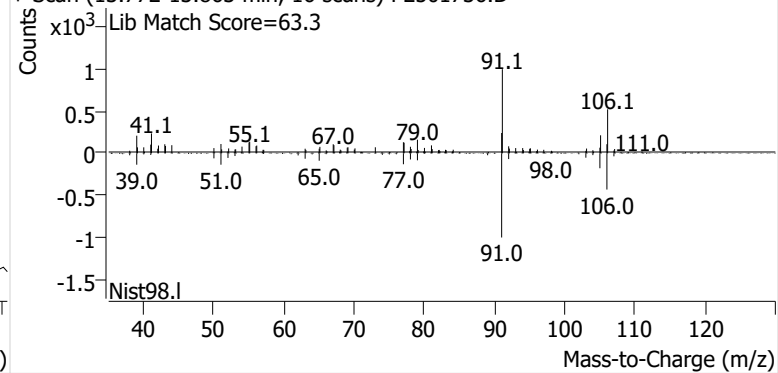


o-Xylene

+ EIC (91.1) Scan P2501736.D

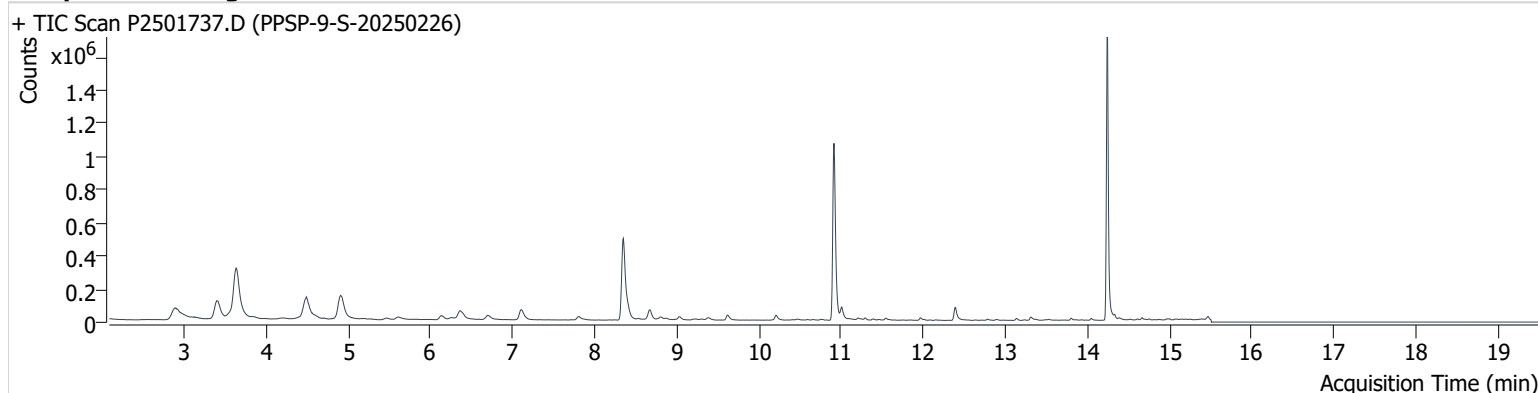


+ Scan (13.772-13.863 min, 16 scans) P2501736.D



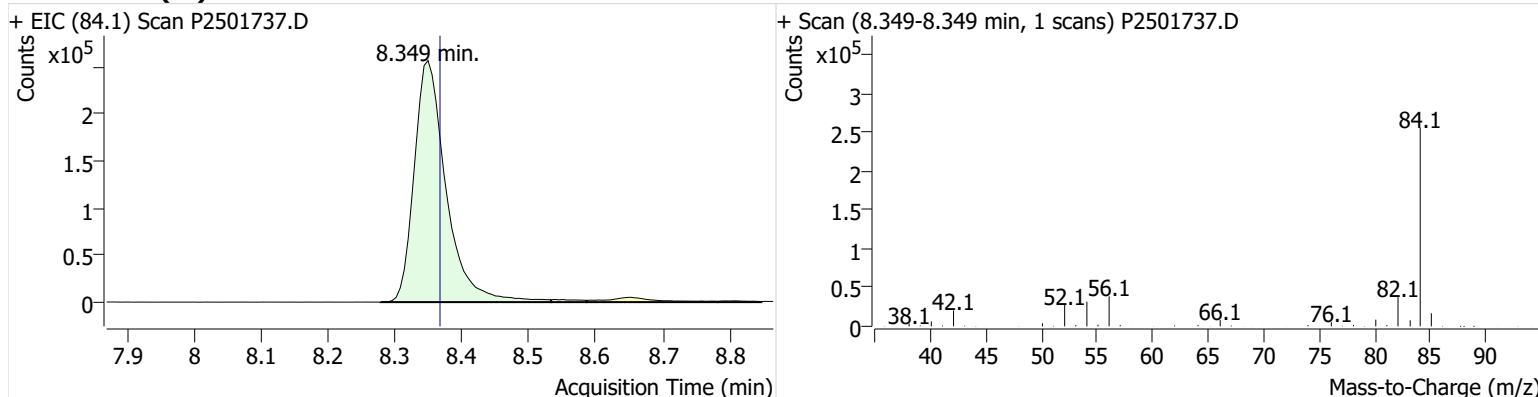
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Comment C34191
Data File P2501737.D
Acq. Date-Time 3/15/2025 1:09:40 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

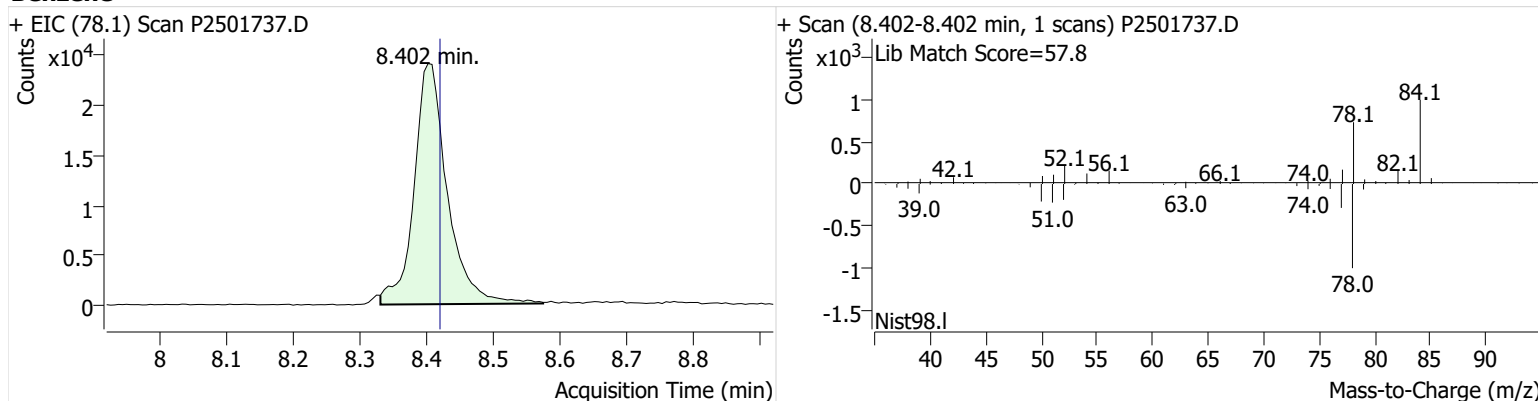


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	848,075	
Benzene	benzene-d6 (IS)	8.402	8.420	83,173	
Toluene-d8 (IS)		10.913	10.925	986,842	
Toluene	Toluene-d8 (IS)	11.008	11.020	53,472	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,902	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	19,510	
o-Xylene	Toluene-d8 (IS)	13.798	13.810	7,909	

benzene-d6 (IS)

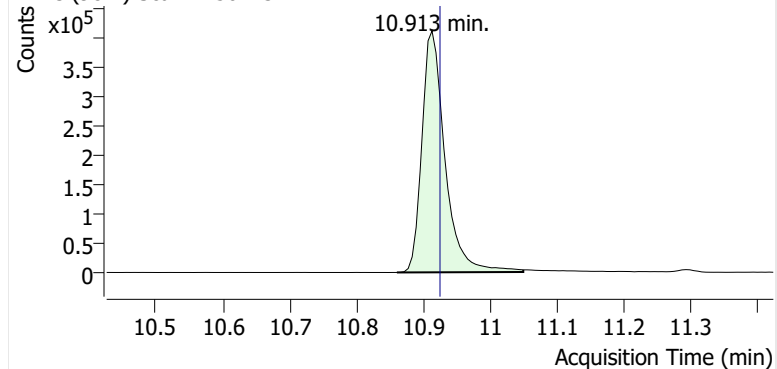


Benzene

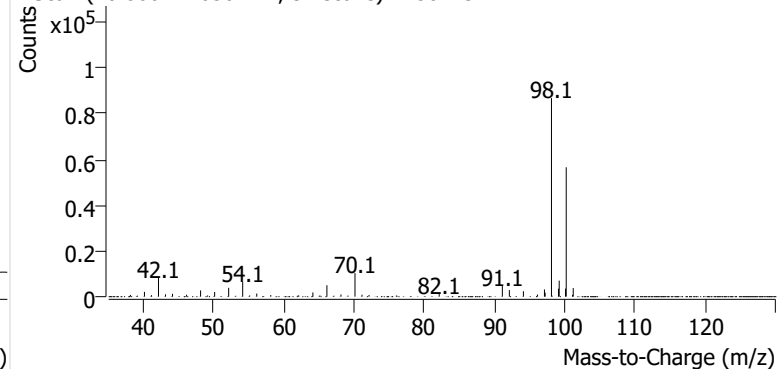


Toluene-d8 (IS)

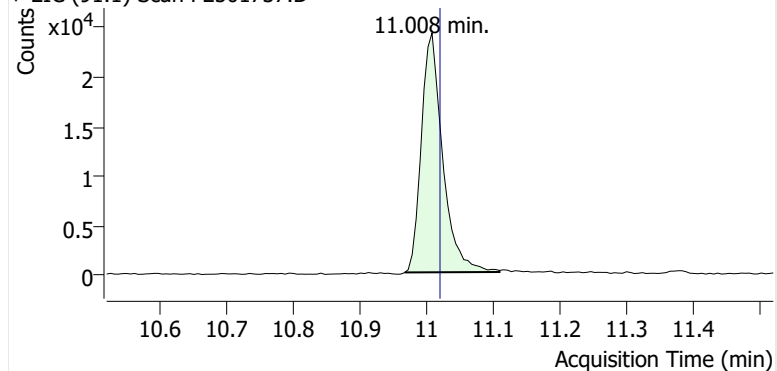
+ EIC (98.1) Scan P2501737.D



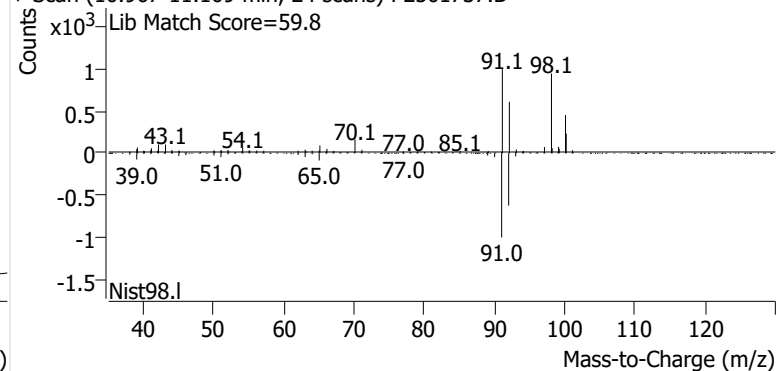
+ Scan (10.860-11.050 min, 32 scans) P2501737.D

**Toluene**

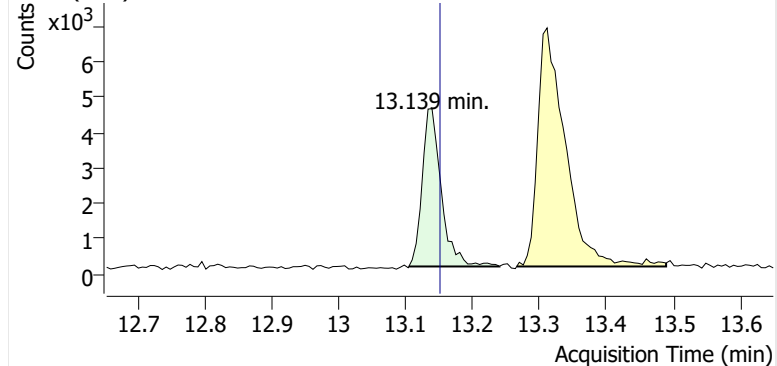
+ EIC (91.1) Scan P2501737.D



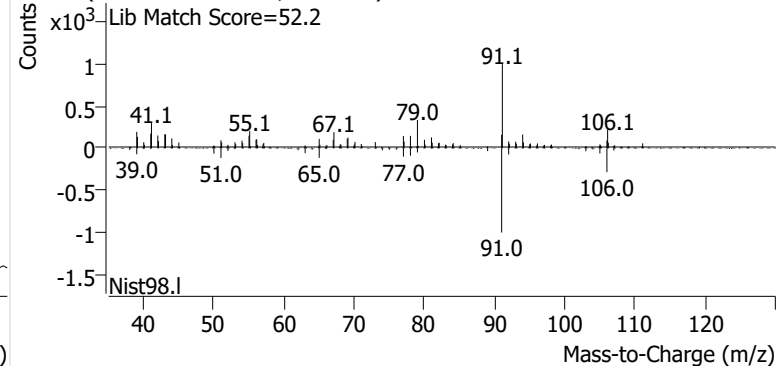
+ Scan (10.967-11.109 min, 24 scans) P2501737.D

**Ethylbenzene**

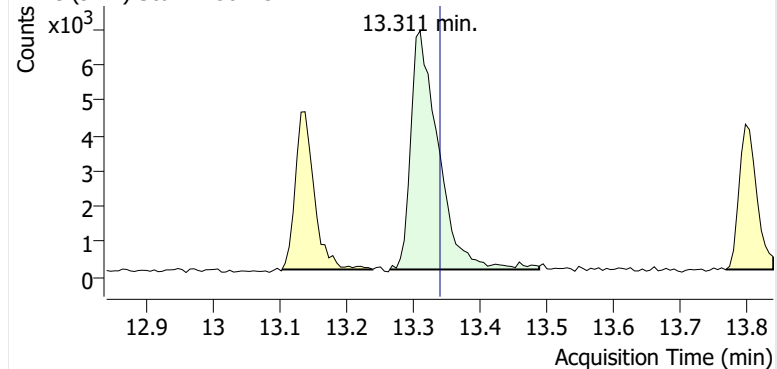
+ EIC (91.1) Scan P2501737.D



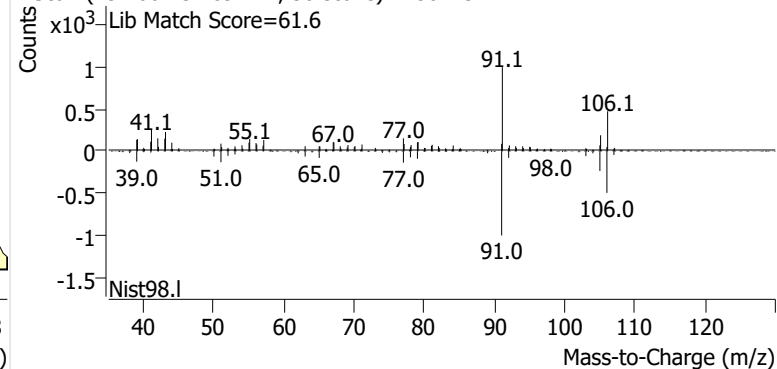
+ Scan (13.104-13.240 min, 23 scans) P2501737.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501737.D

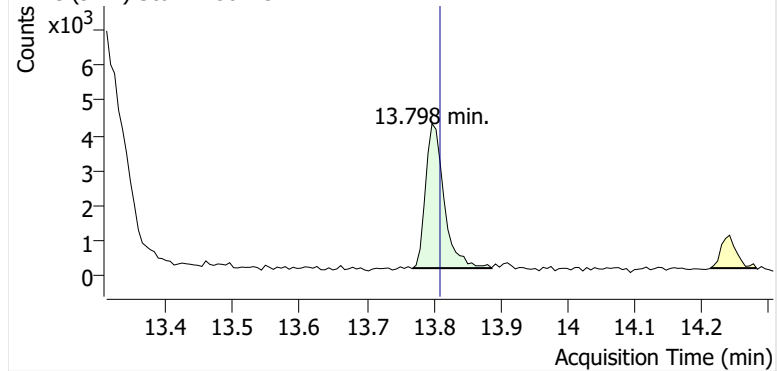


+ Scan (13.266-13.489 min, 38 scans) P2501737.D

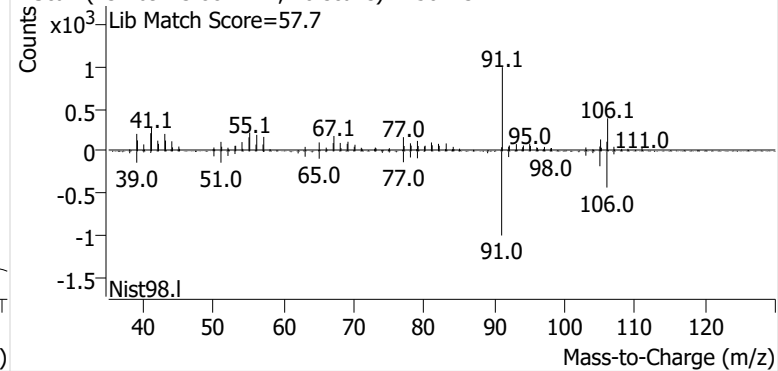


o-Xylene

+ EIC (91.1) Scan P2501737.D

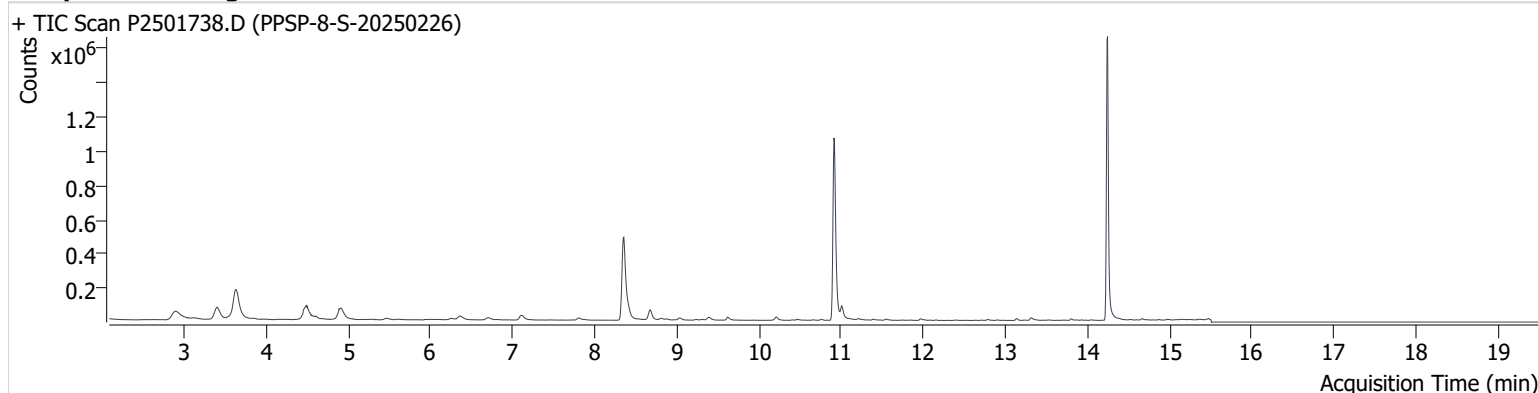


+ Scan (13.769-13.887 min, 20 scans) P2501737.D



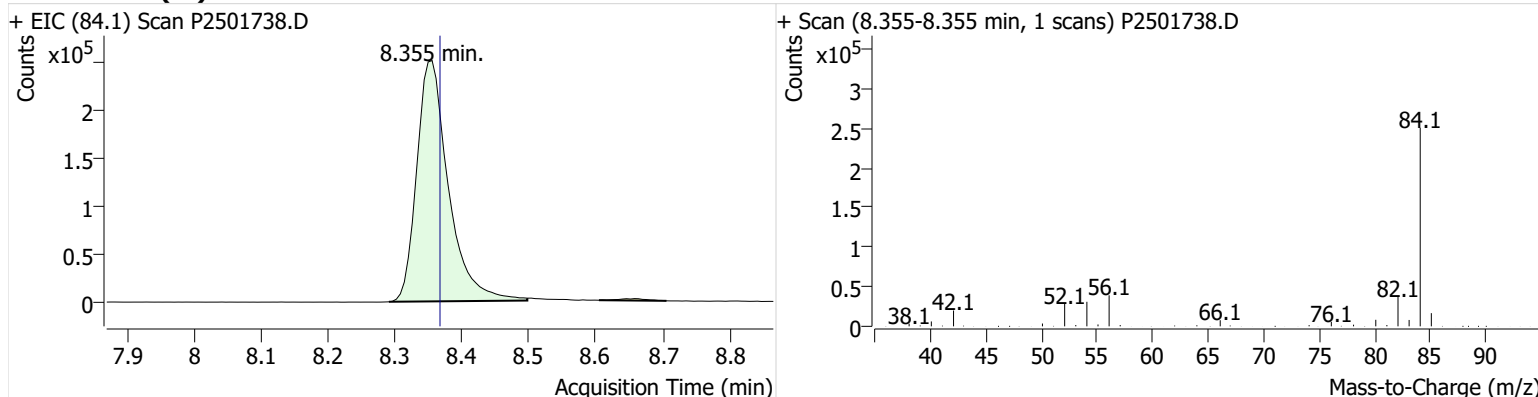
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Comment B15760
Data File P2501738.D
Acq. Date-Time 3/15/2025 1:46:55 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

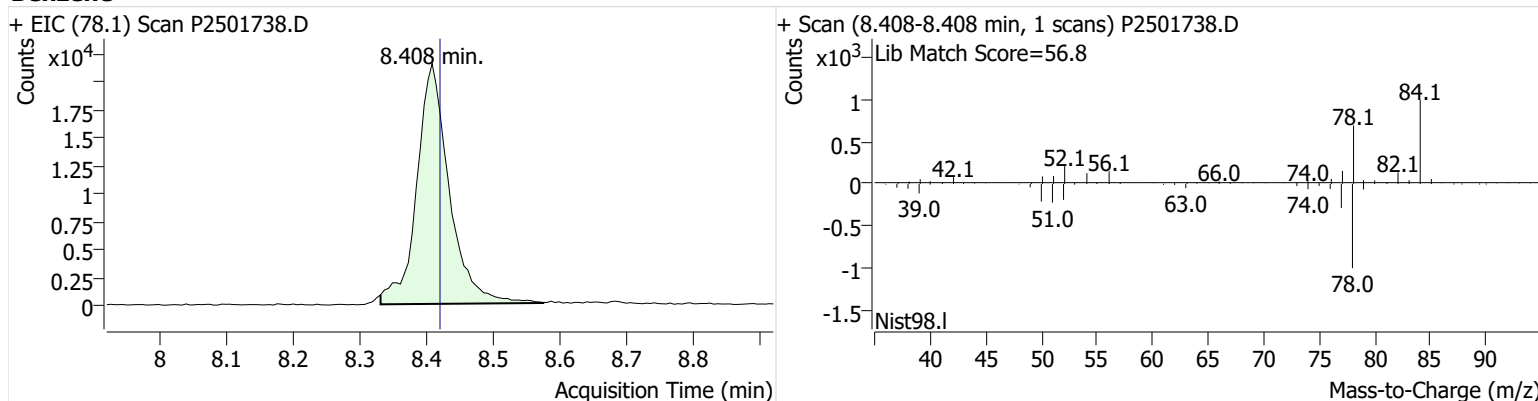


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	823,939	
Benzene	benzene-d6 (IS)	8.408	8.420	72,244	
Toluene-d8 (IS)		10.913	10.925	1,009,290	
Toluene	Toluene-d8 (IS)	11.008	11.020	59,219	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	9,116	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	13,940	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	6,362	

benzene-d6 (IS)

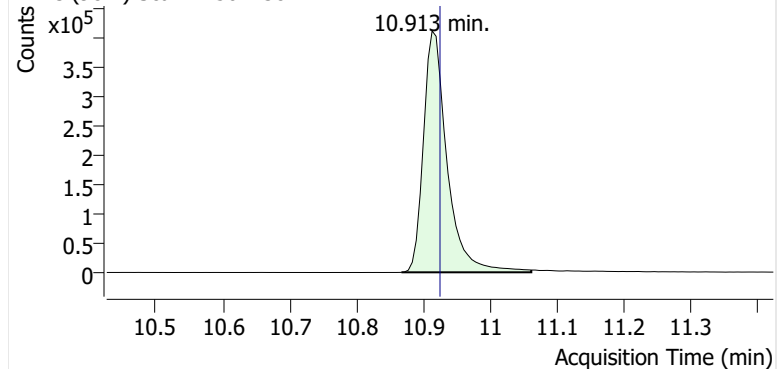


Benzene

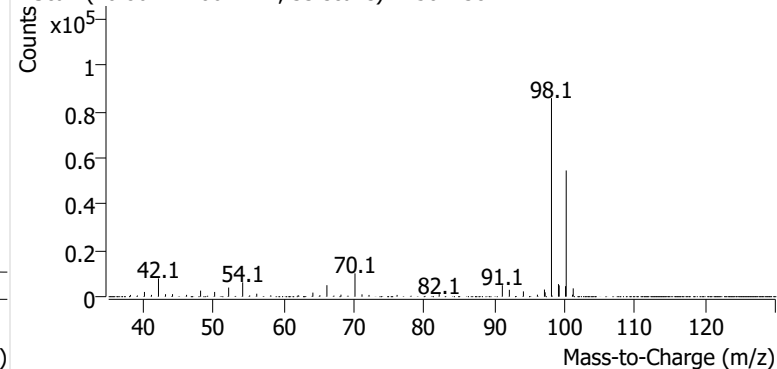


Toluene-d8 (IS)

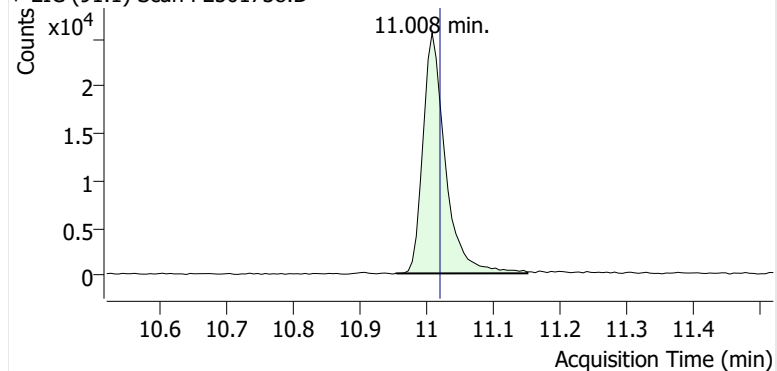
+ EIC (98.1) Scan P2501738.D



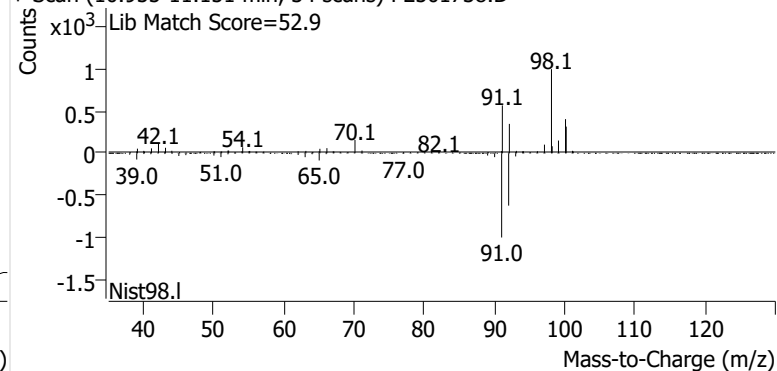
+ Scan (10.867-11.062 min, 33 scans) P2501738.D

**Toluene**

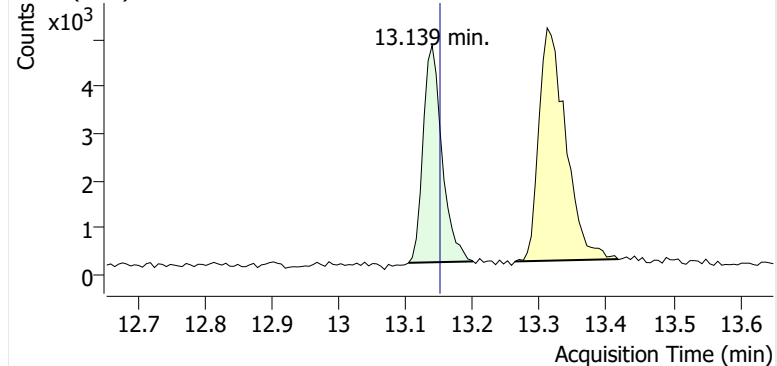
+ EIC (91.1) Scan P2501738.D



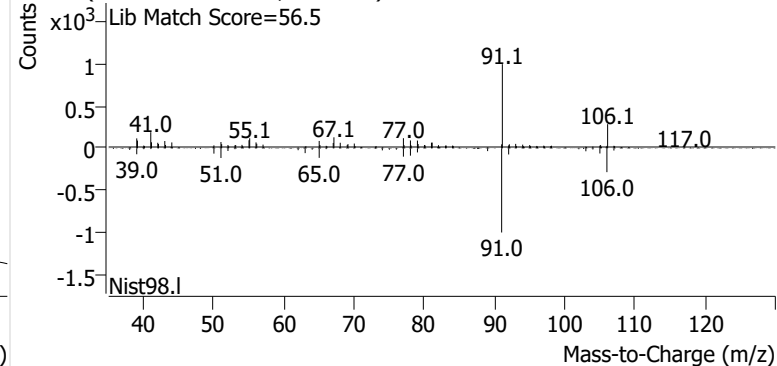
+ Scan (10.955-11.151 min, 34 scans) P2501738.D

**Ethylbenzene**

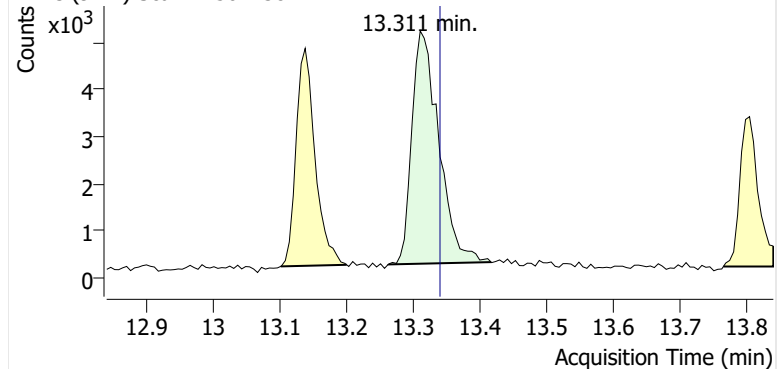
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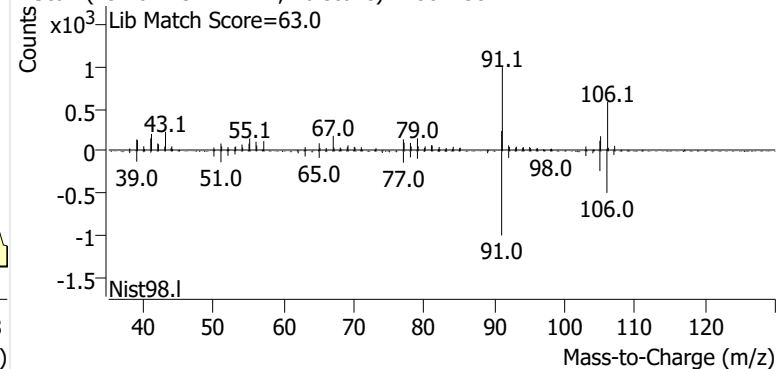
+ Scan (13.104-13.200 min, 16 scans) P2501738.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501738.D

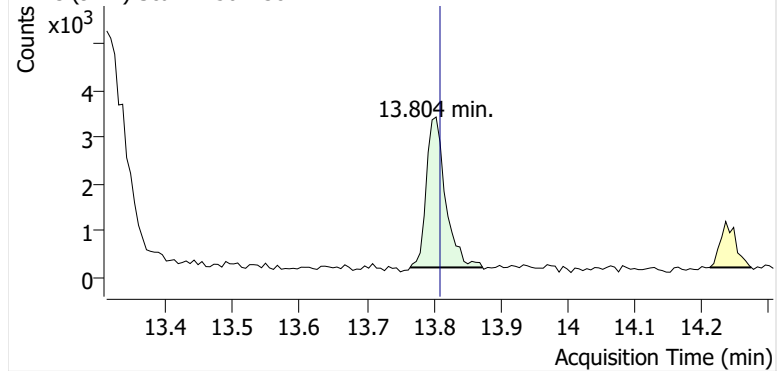


+ Scan (13.264-13.417 min, 26 scans) P2501738.D

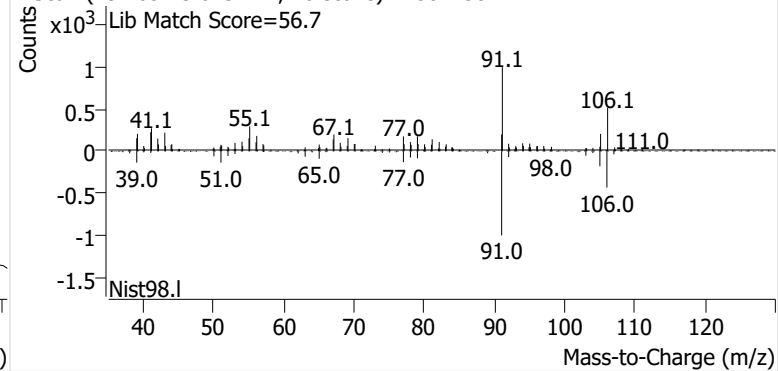


o-Xylene

+ EIC (91.1) Scan P2501738.D

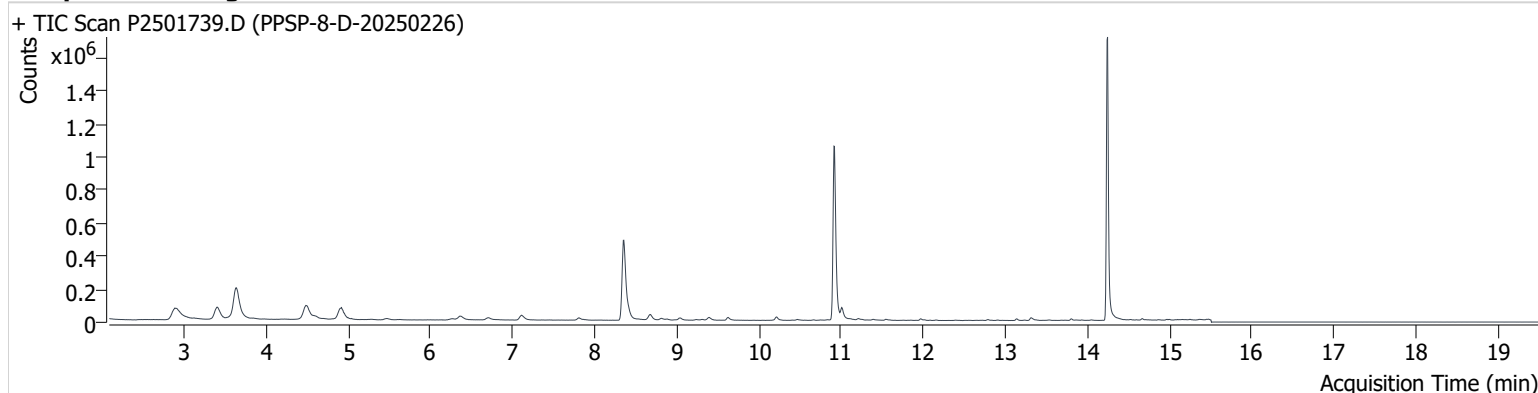


+ Scan (13.765-13.873 min, 18 scans) P2501738.D



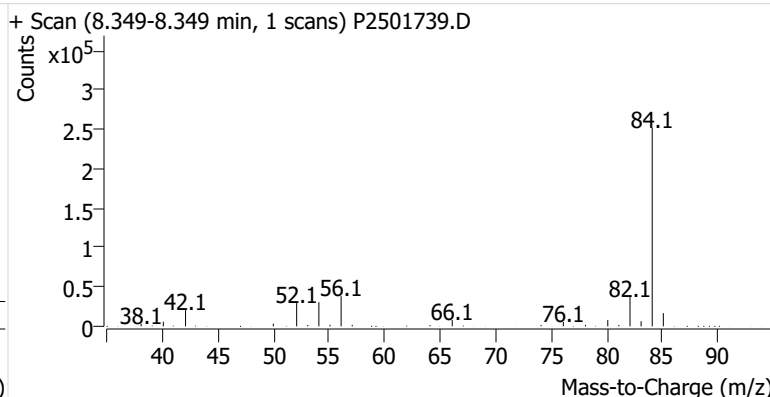
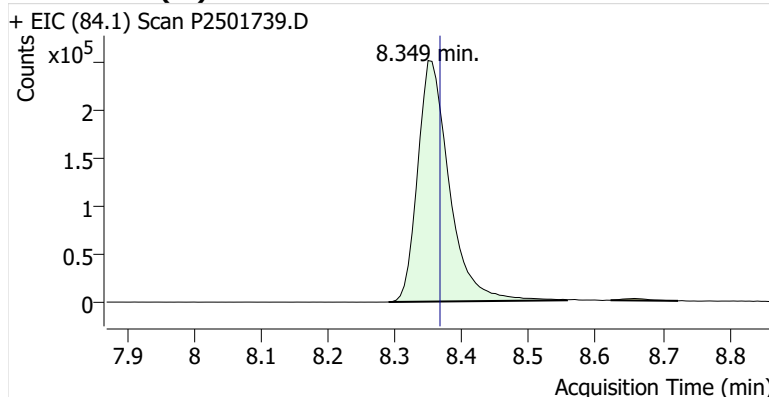
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Comment B31728
Data File P2501739.D
Acq. Date-Time 3/15/2025 2:24:12 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

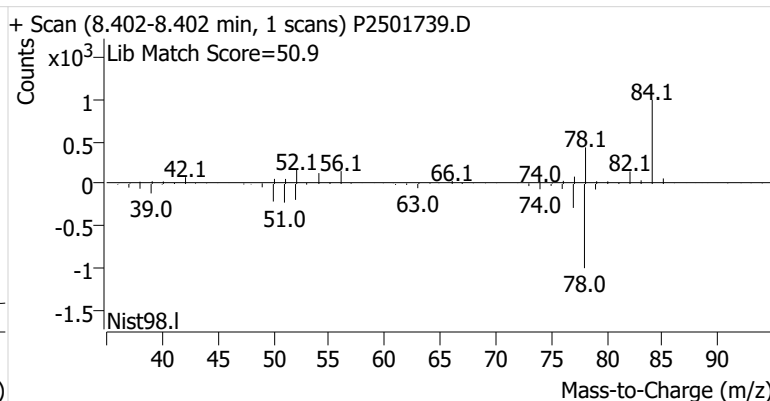
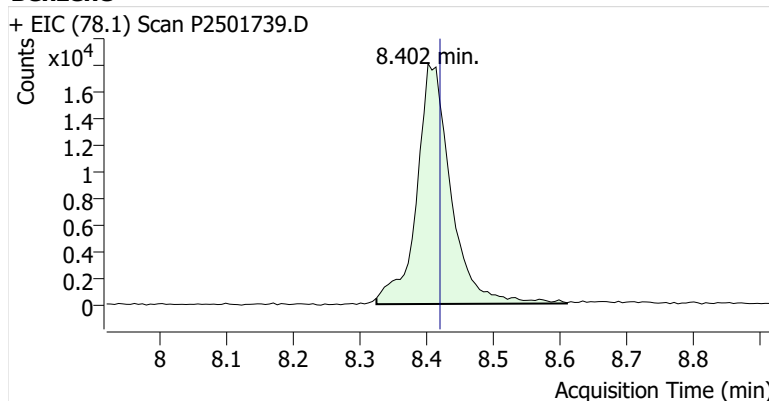


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.349	8.367	826,802	
Benzene	benzene-d6 (IS)	8.402	8.420	64,519	
Toluene-d8 (IS)		10.913	10.925	997,274	
Toluene	Toluene-d8 (IS)	11.008	11.020	51,730	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,558	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	16,030	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	6,601	

benzene-d6 (IS)

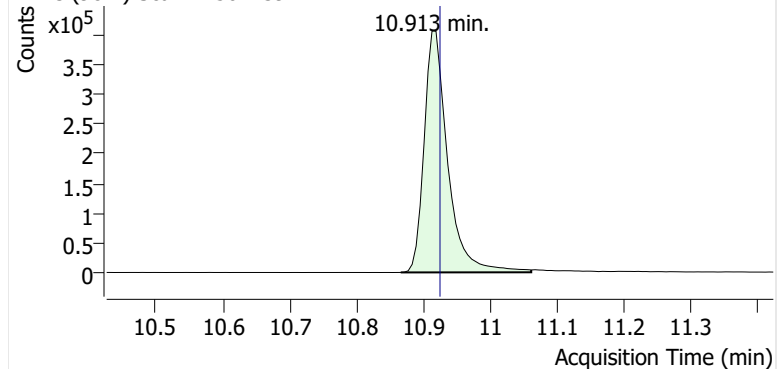


Benzene

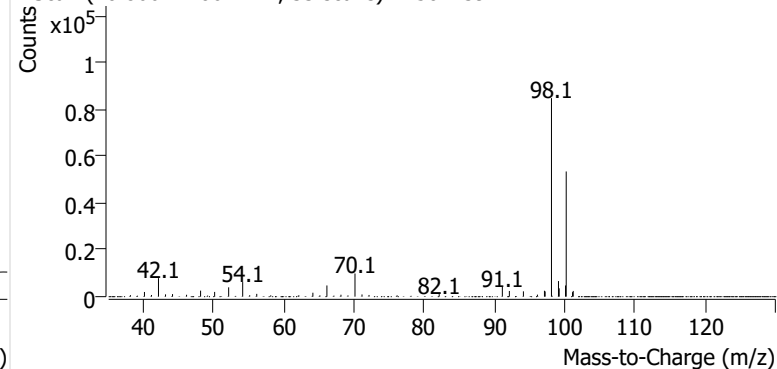


Toluene-d8 (IS)

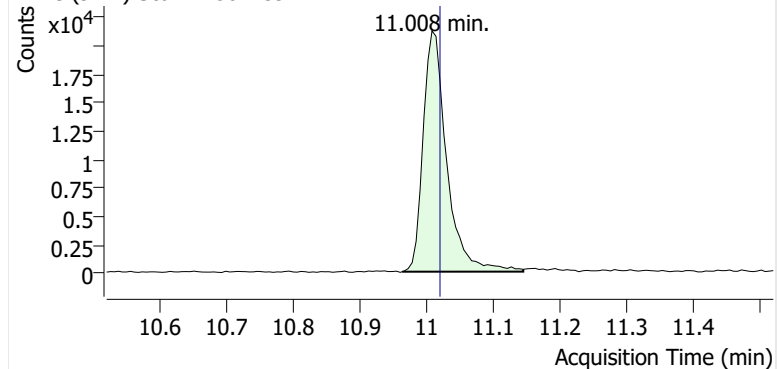
+ EIC (98.1) Scan P2501739.D



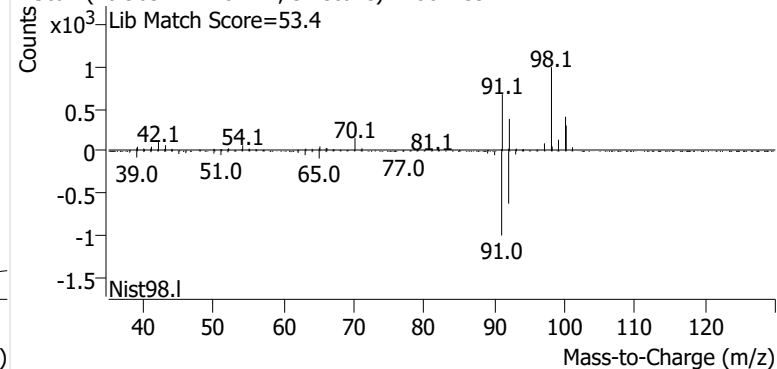
+ Scan (10.866-11.061 min, 33 scans) P2501739.D

**Toluene**

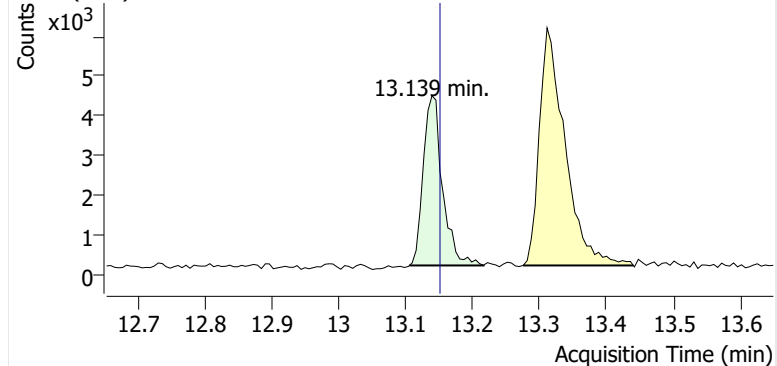
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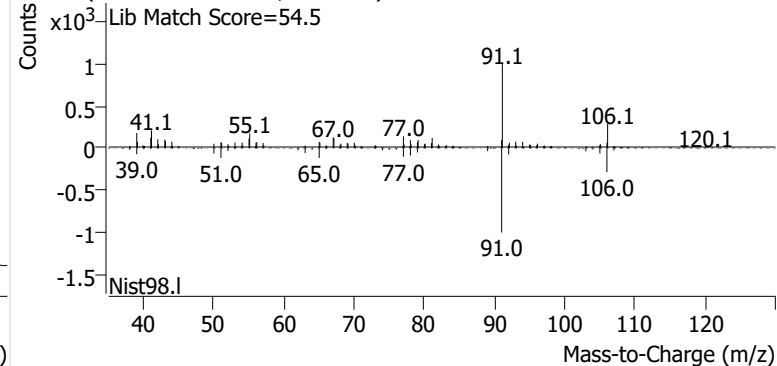
+ Scan (10.963-11.145 min, 31 scans) P2501739.D

**Ethylbenzene**

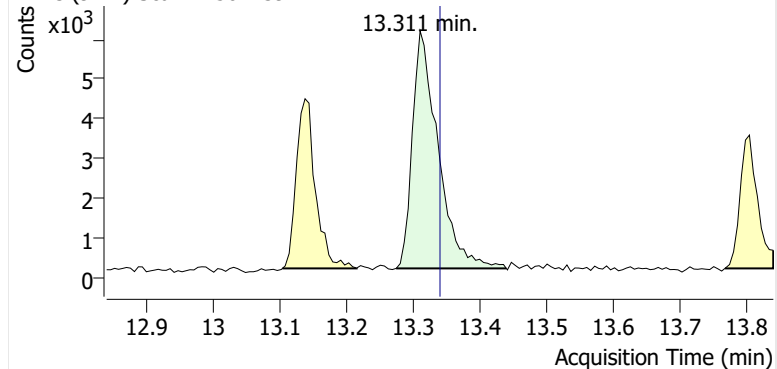
+ EIC (91.1) Scan P2501739.D



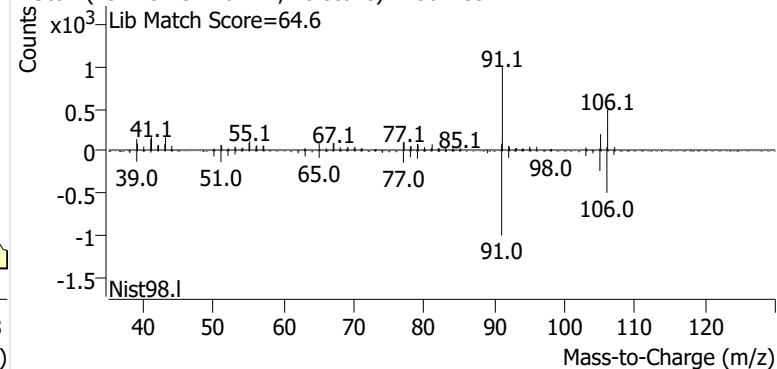
+ Scan (13.105-13.216 min, 19 scans) P2501739.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501739.D

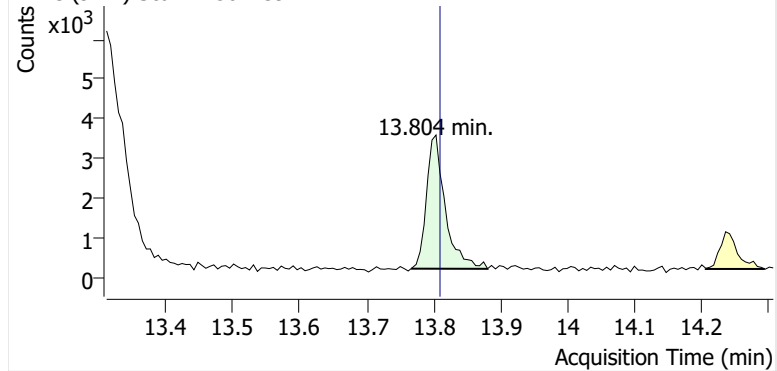


+ Scan (13.275-13.440 min, 28 scans) P2501739.D

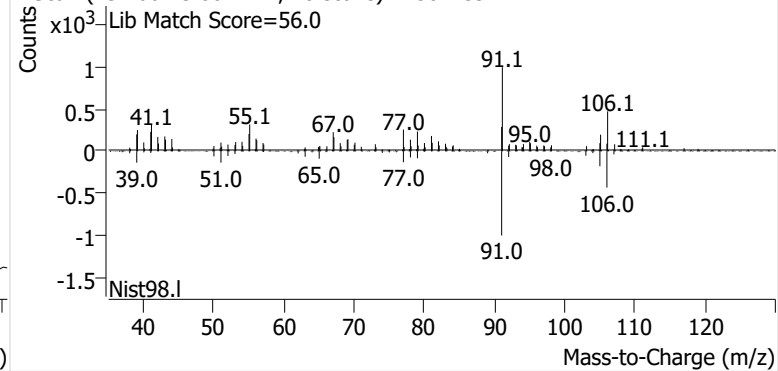


o-Xylene

+ EIC (91.1) Scan P2501739.D

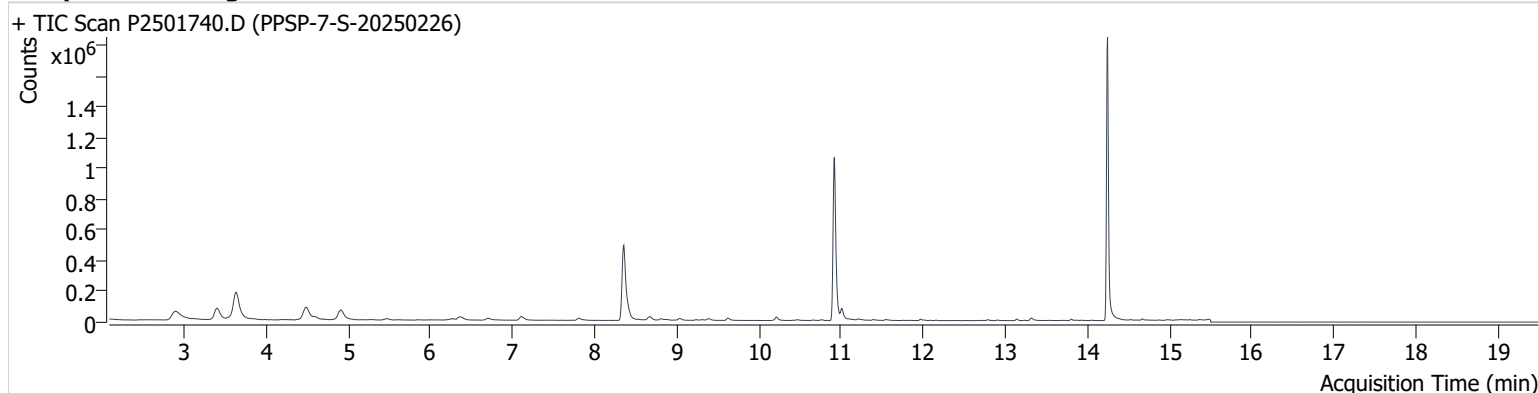


+ Scan (13.766-13.881 min, 20 scans) P2501739.D



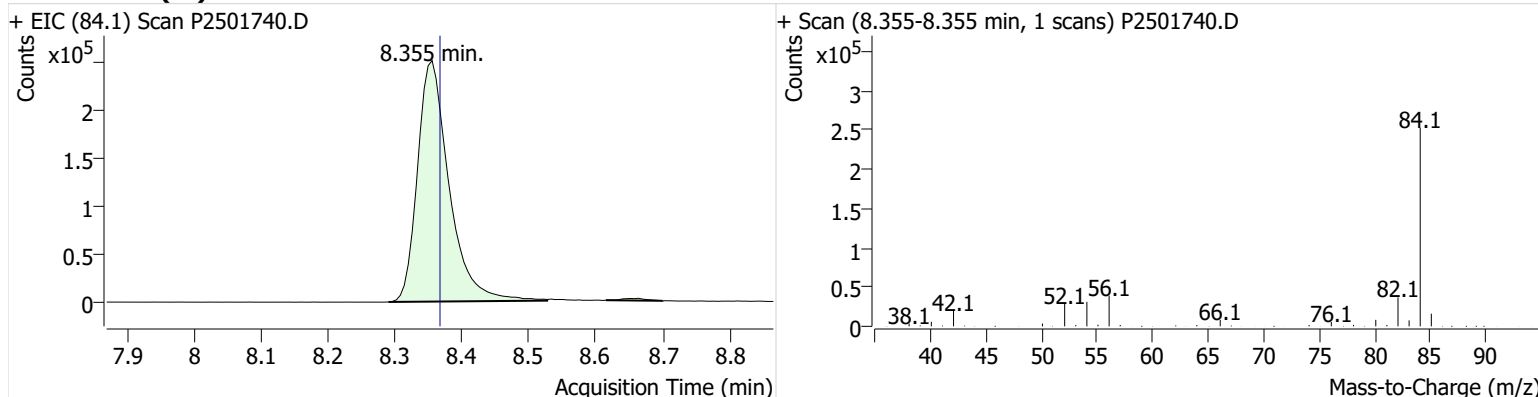
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Comment B51020
Data File P2501740.D
Acq. Date-Time 3/15/2025 3:01:29 AM
Acq. Method File M325B-TD35
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

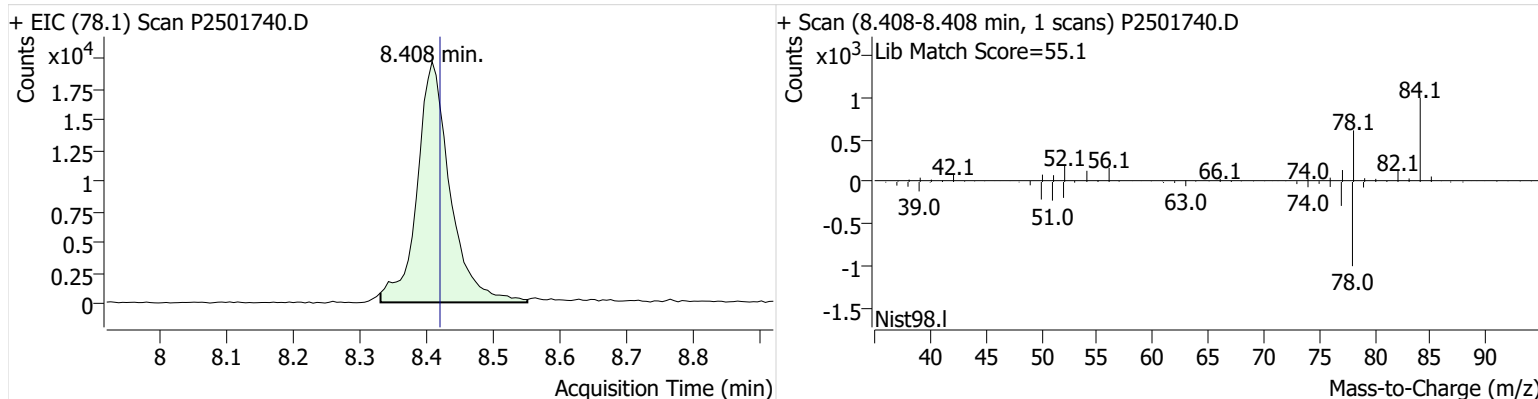


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.355	8.367	826,633	
Benzene	benzene-d6 (IS)	8.408	8.420	67,408	
Toluene-d8 (IS)		10.913	10.925	991,496	
Toluene	Toluene-d8 (IS)	11.008	11.020	57,099	
Ethylbenzene	Toluene-d8 (IS)	13.139	13.151	8,552	
m-/p-Xylenes	Toluene-d8 (IS)	13.311	13.341	16,594	
o-Xylene	Toluene-d8 (IS)	13.804	13.810	6,315	

benzene-d6 (IS)

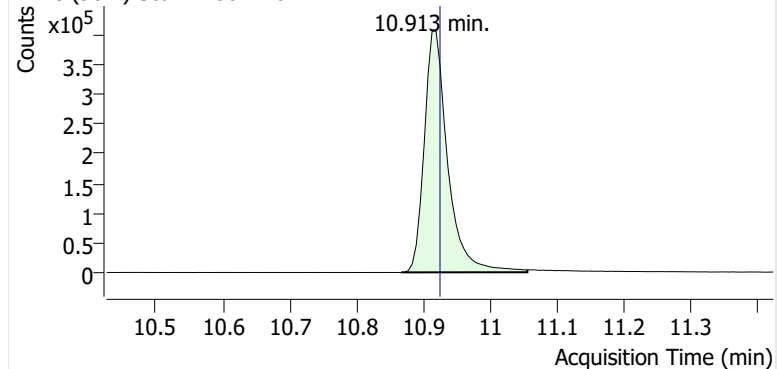


Benzene

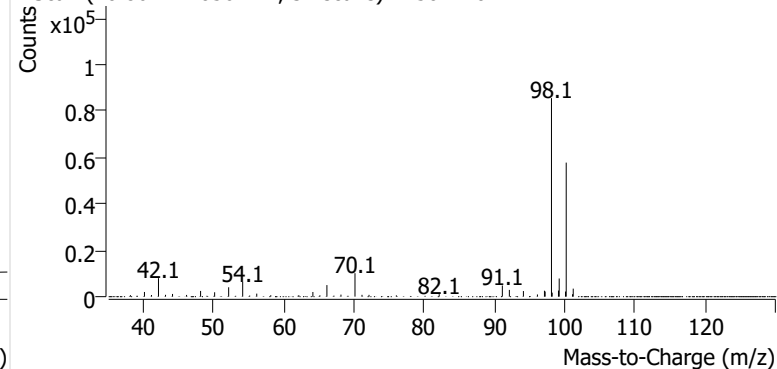


Toluene-d8 (IS)

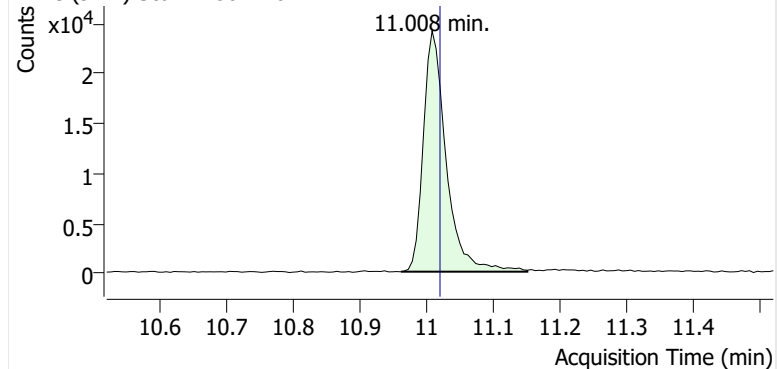
+ EIC (98.1) Scan P2501740.D



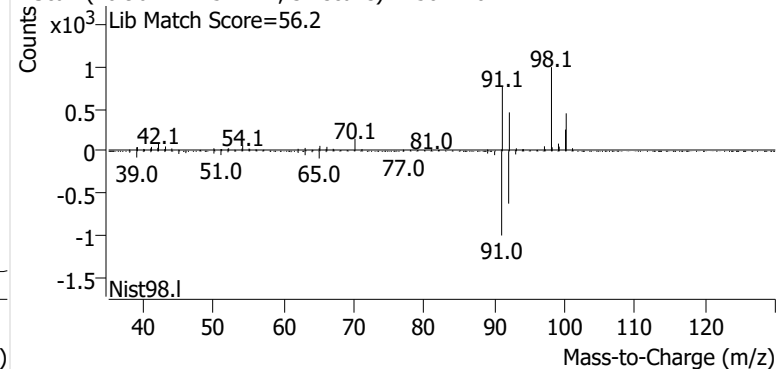
+ Scan (10.867-11.056 min, 32 scans) P2501740.D

**Toluene**

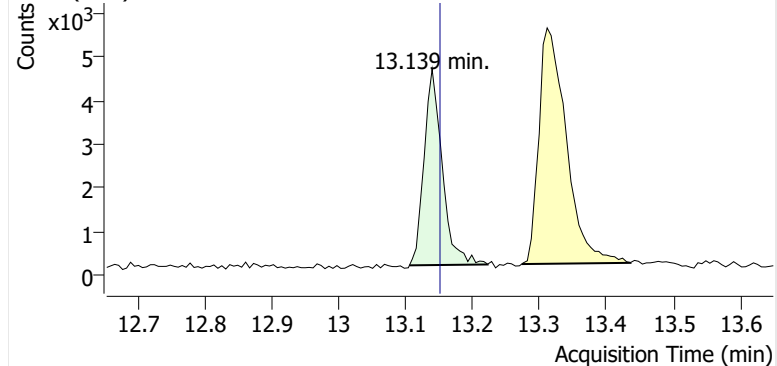
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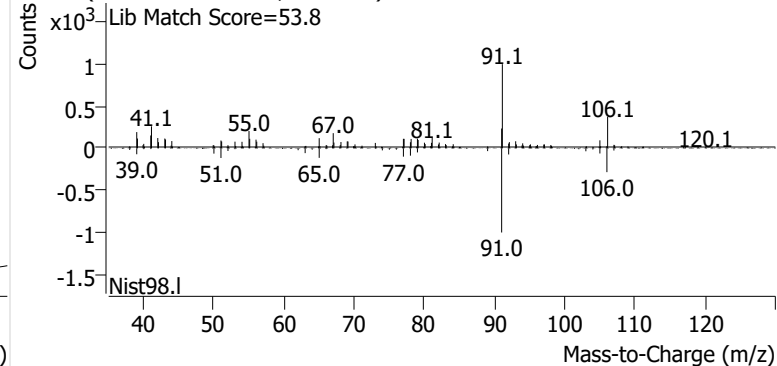
+ Scan (10.961-11.151 min, 32 scans) P2501740.D

**Ethylbenzene**

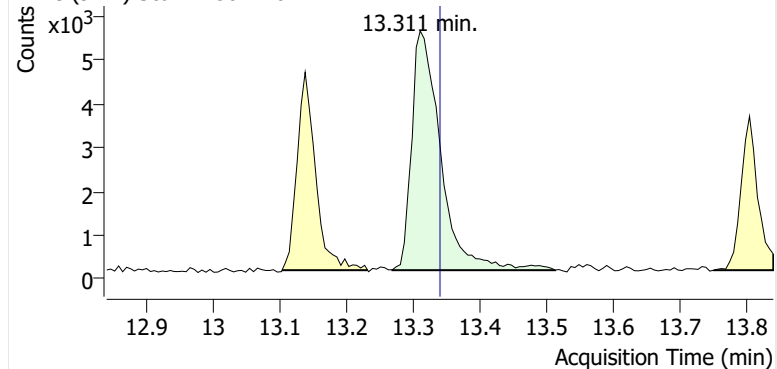
+ EIC (91.1) Scan P2501740.D



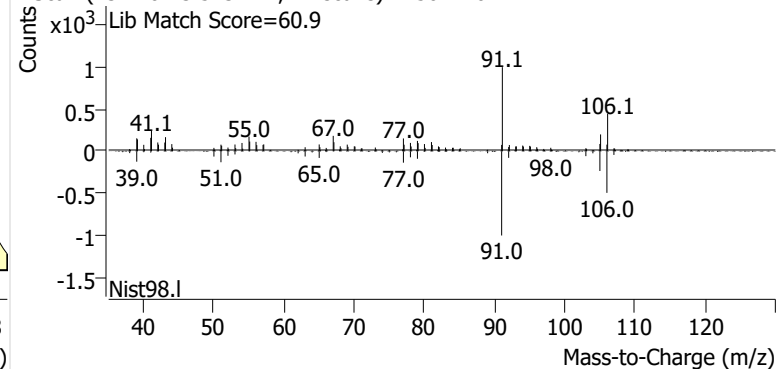
+ Scan (13.105-13.222 min, 20 scans) P2501740.D

**m-/p-Xylenes**

+ EIC (91.1) Scan P2501740.D

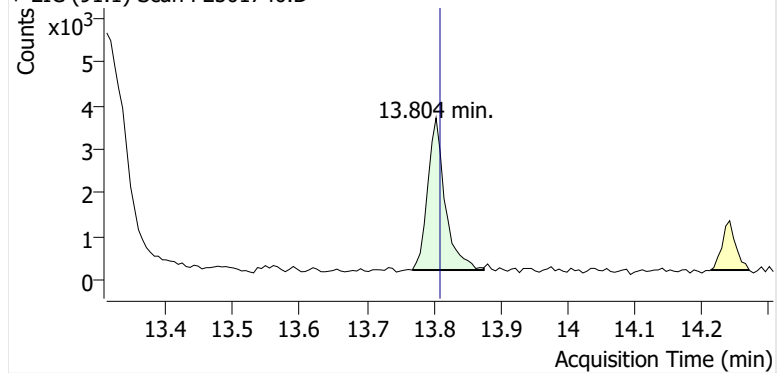


+ Scan (13.270-13.513 min, 42 scans) P2501740.D

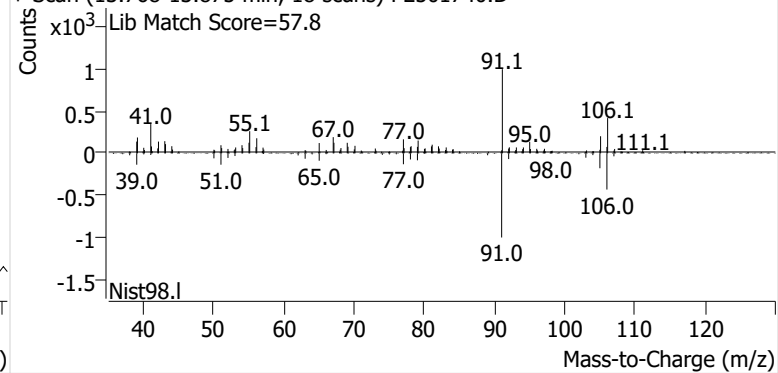


o-Xylene

+ EIC (91.1) Scan P2501740.D



+ Scan (13.768-13.875 min, 18 scans) P2501740.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501723.D	C38588	Cal	0.863	0.939	0.863	-8.2%	-9.5%		Pass	
2025FW106_Method Blank -1	P2501724.D	B35488	Blank		0.939	0.863			-0.63%	Pass	ND
M325B CCV 5	P2501735.D	C57738	Check	0.864	0.939	0.863	-8.1%		-3.2%	Pass	
M325B CCV 5	P2501741.D	C43204	Check	0.856	0.939	0.863	-8.9%		-1.2%	Pass	

Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501723.D	C38588	Cal	0.831	0.880	0.831	-5.6%	-7.1%		Pass	
2025FW106_Method Blank -1	P2501724.D	B35488	Blank		0.880	0.831			-1.3%	Pass	ND
M325B CCV 5	P2501735.D	C57738	Check	0.816	0.880	0.831	-7.3%		-1.8%	Pass	
M325B CCV 5	P2501741.D	C43204	Check	0.805	0.880	0.831	-8.5%		-1.2%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501723.D	C38588	Cal	0.980	0.999	0.980	-1.9%	-7.1%		Pass	
2025FW106_Method Blank -1	P2501724.D	B35488	Blank		0.999	0.980			-1.3%	Pass	ND
M325B CCV 5	P2501735.D	C57738	Check	0.904	0.999	0.980	-9.5%		-1.8%	Pass	
M325B CCV 5	P2501741.D	C43204	Check	0.910	0.999	0.980	-8.9%		-1.2%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501723.D	C38588	Cal	0.775	0.764	0.775	1.5%	-7.1%		Pass	
2025FW106_Method Blank -1	P2501724.D	B35488	Blank		0.764	0.775			-1.3%	Pass	ND
M325B CCV 5	P2501735.D	C57738	Check	0.711	0.764	0.775	-7.0%		-1.8%	Pass	
M325B CCV 5	P2501741.D	C43204	Check	0.718	0.764	0.775	-6.1%		-1.2%	Pass	

o-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	P2501723.D	C38588	Cal	0.782	0.796	0.782	-1.7%	-7.1%		Pass	
2025FW106_Method Blank -1	P2501724.D	B35488	Blank		0.796	0.782			-1.3%	Pass	ND
M325B CCV 5	P2501735.D	C57738	Check	0.731	0.796	0.782	-8.2%		-1.8%	Pass	
M325B CCV 5	P2501741.D	C43204	Check	0.723	0.796	0.782	-9.2%		-1.2%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P030125A_CC252679	Benzene	1	P2501426.D	5.03	59969	90.3	966150	1.114	0.19
P030125A_CC252679	Benzene	2	P2501427.D	10.06	106677	90.3	934978	1.024	0.09
P030125A_CC252679	Benzene	3	P2501428.D	20.12	199501	90.3	933545	0.959	0.021
P030125A_CC252679	Benzene	4	P2501429.D	40.25	394550	90.3	933580	0.948	0.0092
P030125A_CC252679	Benzene	5	P2501430.D	100.55	950282	90.3	946747	0.901	-0.041
P030125A_CC252679	Benzene	6	P2501431.D	201.23	1715944	90.3	949703	0.811	-0.14
P030125A_CC252679	Benzene	7	P2501432.D	603.70	5192552	90.3	947848	0.819	-0.13
						Avg:	944650	0.939	
						%RSD:	1.3%	11.5%	
P030125A_CC252679	Toluene	1	P2501426.D	5.44	61727	105.3	1120779	1.066	0.21
P030125A_CC252679	Toluene	2	P2501427.D	10.88	104714	105.3	1066488	0.950	0.079
P030125A_CC252679	Toluene	3	P2501428.D	21.76	212153	105.3	1090900	0.941	0.069
P030125A_CC252679	Toluene	4	P2501429.D	43.52	398324	105.3	1074540	0.897	0.019
P030125A_CC252679	Toluene	5	P2501430.D	108.72	963330	105.3	1097981	0.850	-0.035
P030125A_CC252679	Toluene	6	P2501431.D	217.59	1663005	105.3	1098848	0.732	-0.17
P030125A_CC252679	Toluene	7	P2501432.D	652.76	4951939	105.3	1100438	0.726	-0.18
						Avg:	1092853	0.880	
						%RSD:	1.6%	13.9%	
P030125A_CC252679	Ethylbenzene	1	P2501426.D	5.23	65731	105.3	1120779	1.181	0.18
P030125A_CC252679	Ethylbenzene	2	P2501427.D	10.46	115215	105.3	1066488	1.088	0.089
P030125A_CC252679	Ethylbenzene	3	P2501428.D	20.91	232460	105.3	1090900	1.073	0.074
P030125A_CC252679	Ethylbenzene	4	P2501429.D	41.83	469483	105.3	1074540	1.100	0.1
P030125A_CC252679	Ethylbenzene	5	P2501430.D	104.51	1063733	105.3	1097981	0.976	-0.023
P030125A_CC252679	Ethylbenzene	6	P2501431.D	209.15	1683098	105.3	1098848	0.771	-0.23
P030125A_CC252679	Ethylbenzene	7	P2501432.D	627.45	5283692	105.3	1100438	0.806	-0.19
						Avg:	1092853	0.999	
						%RSD:	1.6%	15.6%	
P030125A_CC252679	m-/p-Xylenes	1	P2501426.D	4.94	49473	105.3	1120779	0.941	0.23
P030125A_CC252679	m-/p-Xylenes	2	P2501427.D	9.88	82255	105.3	1066488	0.822	0.076
P030125A_CC252679	m-/p-Xylenes	3	P2501428.D	19.75	156545	105.3	1090900	0.765	0.0013
P030125A_CC252679	m-/p-Xylenes	4	P2501429.D	39.51	339235	105.3	1074540	0.841	0.1
P030125A_CC252679	m-/p-Xylenes	5	P2501430.D	98.70	771822	105.3	1097981	0.750	-0.018
P030125A_CC252679	m-/p-Xylenes	6	P2501431.D	197.53	1231926	105.3	1098848	0.598	-0.22
P030125A_CC252679	m-/p-Xylenes	7	P2501432.D	592.59	3904066	105.3	1100438	0.630	-0.17
						Avg:	1092853	0.764	
						%RSD:	1.6%	15.7%	
P030125A_CC252679	o-Xylene	1	P2501426.D	5.15	56245	105.3	1120779	1.026	0.29
P030125A_CC252679	o-Xylene	2	P2501427.D	10.30	88658	105.3	1066488	0.850	0.067
P030125A_CC252679	o-Xylene	3	P2501428.D	20.60	175833	105.3	1090900	0.824	0.035

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW106-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P030125A_CC252679	o-Xylene	4	P2501429.D	41.20	366146	105.3	1074540	0.871	0.094
P030125A_CC252679	o-Xylene	5	P2501430.D	102.94	838312	105.3	1097981	0.781	-0.019
P030125A_CC252679	o-Xylene	6	P2501431.D	206.02	1311998	105.3	1098848	0.610	-0.23
P030125A_CC252679	o-Xylene	7	P2501432.D	618.06	3954070	105.3	1100438	0.612	-0.23
						Avg:	1092853	0.796	
						%RSD:	1.6%	18.5%	

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
P030125A_CC252679	Benzene	ICV	P2501433.D	65.09	595605	90.3	938893	0.880	-6.3%
P030125A_CC252679	Toluene	ICV	P2501433.D	77.63	703042	105.3	1146334	0.832	-5.5%
P030125A_CC252679	Ethylbenzene	ICV	P2501433.D	87.40	857504	105.3	1146334	0.901	-9.8%
P030125A_CC252679	m-/p-Xylenes	ICV	P2501433.D	90.97	659100	105.3	1146334	0.665	-13.0%
P030125A_CC252679	o-Xylene	ICV	P2501433.D	89.54	646475	105.3	1146334	0.663	-17.0%

M325B PDF Report ver.20250224

**This Is The Last Page
Of This Report.**



Portland Pipeline - S Portland, ME

Power Engineers, Inc.
303 U.S. Route One
Freeport, ME 04032

Sampling Event 18

Analytical Report (2025FW107)

EPA Method 325B

Benzene, Toluene, Ethylbenzene, m-/p-Xylenes, o-Xylene



Enthalpy Analytical, LLC

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800-1 Capitola Drive, Durham, NC 27713

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

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Brianna Berry

QA REVIEW PERFORMED BY

Brianna Berry
QA Associate I

Report Issued: 04/11/2025



Summary of Results



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Summary

Sample Code	Tube ID	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
		(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag	(ug/m³)	Flag
PPSP-6-S-20250312	B20191	0.634	P	1.16	P		ND	0.387	J,P		ND,Pc
PPSP-5-S-20250312	C20556	0.777	P	13.8	P		ND	0.547	P		ND,Pc
PPSP-4-S-20250312	B43010	0.816	P	8.53	P		ND		ND,P		ND,Pc
PPSP-3-S-20250312	B14904	0.818	P	11.4	P	0.312	J	0.675	P		ND,Pc
PPSP-2-S-20250312	C56797	1.06	P	32.8	P	0.320	J	1.17	P	0.402	J,Pc
PPSP-1-B-20250312	B38596		ND,P		ND,P		ND		ND,P		ND,Pc
PPSP-1-S-20250312	B40379	0.868	P	3.08	P		ND	0.361	J,P		ND,Pc
PPSP-13-S-20250312	C40547	0.958	P	16.1	P		ND	0.553	P		ND,Pc
PPSP-12-S-20250312	B51060	0.873	P	0.955	P		ND		ND,P		ND,Pc
PPSP-11-S-20250312	B52872	1.01	P	12.7	P		ND	0.530	J,P		ND,Pc
PPSP-10-S-20250312	C01835	0.903	P	1.12	P		ND	0.334	J,P		ND,Pc
PPSP-9-S-20250312	B29387	0.835	P	1.40	P		ND	0.324	J,P		ND,Pc
PPSP-8-S-20250312	C34208	0.652	P	0.960	P		ND	0.463	J,P		ND,Pc
PPSP-8-D-20250312	C39118	0.892	P	16.4	P	0.340	J	1.37	P	0.428	J,Pc
PPSP-7-S-20250312	B51054	0.640	P	1.04	P		ND	0.321	J,P		ND,Pc

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

Results

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250312	B20191	0.634	0.199	8.23	38.2	0.645	20127	0.192	0.375	0.0603	0.118	P	K2501931.D	2025-04-02 16:35	1.318	8.201	67623	340197	54.6	8.140	-2.5%
PPSP-5-S-20250312	C20556	0.777	0.243	10.1	38.2	0.645	20127	0.192	0.375	0.0603	0.118	P	K2501932.D	2025-04-02 17:03	1.318	8.201	99241	407422	54.6	8.140	16.8%
PPSP-4-S-20250312	B43010	0.816	0.256	10.6	38.2	0.645	20125	0.192	0.375	0.0603	0.118	P	K2501933.D	2025-04-02 17:30	1.318	8.201	91221	356581	54.6	8.140	2.2%
PPSP-3-S-20250312	B14904	0.818	0.256	10.6	38.2	0.645	20124	0.193	0.375	0.0603	0.118	P	K2501934.D	2025-04-02 17:58	1.318	8.201	88425	344936	54.6	8.140	-1.1%
PPSP-2-S-20250312	C56797	1.06	0.332	13.8	38.2	0.645	20121	0.193	0.375	0.0603	0.118	P	K2501935.D	2025-04-02 18:26	1.318	8.201	121198	364806	54.6	8.140	4.6%
PPSP-1-B-20250312	B38596				38.2	0.645	20121	0.193	0.375	0.0603	0.118	ND,P	K2501930.D	2025-04-02 16:07	1.318	8.195	5658	340392	54.6	8.140	-2.4%
PPSP-1-S-20250312	B40379	0.868	0.272	11.3	38.2	0.645	20121	0.193	0.375	0.0603	0.118	P	K2501967.D	2025-04-03 09:19	1.297	8.201	75693	282886	54.6	8.140	-14.2%
PPSP-13-S-20250312	C40547	0.958	0.300	12.4	38.2	0.645	20118	0.193	0.375	0.0603	0.118	P	K2501937.D	2025-04-02 19:22	1.318	8.201	138015	459463	54.6	8.140	31.7%
PPSP-12-S-20250312	B51060	0.873	0.273	11.3	38.2	0.645	20118	0.193	0.375	0.0603	0.118	P	K2501938.D	2025-04-02 19:49	1.318	8.201	107026	391244	54.6	8.140	12.1%
PPSP-11-S-20250312	B52872	1.01	0.317	13.1	38.2	0.645	20116	0.193	0.376	0.0603	0.118	P	K2501939.D	2025-04-02 20:17	1.318	8.201	143374	452619	54.6	8.140	29.7%
PPSP-10-S-20250312	C01835	0.903	0.283	11.7	38.2	0.645	20114	0.193	0.376	0.0603	0.118	P	K2501940.D	2025-04-02 20:44	1.318	8.201	93592	330912	54.6	8.140	-5.2%
PPSP-9-S-20250312	B29387	0.835	0.262	10.8	38.2	0.645	20112	0.193	0.376	0.0603	0.118	P	K2501942.D	2025-04-02 21:39	1.297	8.195	82973	322231	54.6	8.140	-2.2%
PPSP-8-S-20250312	C34208	0.652	0.204	8.47	38.2	0.645	20112	0.193	0.376	0.0603	0.118	P	K2501943.D	2025-04-02 22:07	1.297	8.201	64181	319208	54.6	8.140	-3.1%
PPSP-8-D-20250312	C39118	0.892	0.279	11.6	38.2	0.645	20112	0.193	0.376	0.0603	0.118	P	K2501944.D	2025-04-02 22:35	1.297	8.202	87746	319264	54.6	8.140	-3.1%
PPSP-7-S-20250312	B51054	0.640	0.200	8.30	38.2	0.645	20111	0.193	0.376	0.0603	0.118	P	K2501945.D	2025-04-02 23:02	1.297	8.201	61861	313784	54.6	8.140	-4.8%

Toluene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250312	B20191	1.16	0.309	11.7	38.2	0.501	20127	0.248	0.523	0.0659	0.139	P	K2501931.D	2025-04-02 16:35	1.412	10.924	96095	374237	64.4	10.826	-3.4%
PPSP-5-S-20250312	C20556	13.8	3.66	139	38.2	0.501	20127	0.248	0.523	0.0659	0.139	P	K2501932.D	2025-04-02 17:03	1.412	10.924	1303765	428390	64.4	10.826	10.6%
PPSP-4-S-20250312	B43010	8.53	2.27	86.0	38.2	0.501	20125	0.248	0.523	0.0659	0.139	P	K2501933.D	2025-04-02 17:30	1.412	10.924	821045	435586	64.4	10.826	12.5%
PPSP-3-S-20250312	B14904	11.4	3.03	115	38.2	0.501	20124	0.248	0.523	0.0659	0.139	P	K2501934.D	2025-04-02 17:58	1.412	10.924	968355	383753	64.4	10.826	-0.9%
PPSP-2-S-20250312	C56797	32.8	8.70	330	38.2	0.501	20121	0.248	0.523	0.0659	0.139	P	K2501935.D	2025-04-02 18:26	1.412	10.924	2838737	392455	64.4	10.826	1.3%
PPSP-1-B-20250312	B38596				38.2	0.501	20121	0.248	0.523	0.0659	0.139	ND,P	K2501930.D	2025-04-02 16:07	1.412	10.924	5344	373952	64.4	10.826	-3.4%
PPSP-1-S-20250312	B40379	3.08	0.817	31.0	38.2	0.501	20121	0.248	0.523	0.0659	0.139	P	K2501967.D	2025-04-03 09:19	1.425	10.924	215958	314877	64.4	10.832	-14.2%
PPSP-13-S-20250312	C40547	16.1	4.27	162	38.2	0.501	20118	0.248	0.523	0.0659	0.139	P	K2501937.D	2025-04-02 19:22	1.412	10.924	1724225	485076	64.4	10.826	25.3%
PPSP-12-S-20250312	B51060	0.955	0.254	9.63	38.2	0.501	20118	0.248	0.523	0.0659	0.139	P	K2501938.D	2025-04-02 19:49	1.412	10.924	101989	483517	64.4	10.826	24.9%
PPSP-11-S-20250312	B52872	12.7	3.38	128	38.2	0.501	20116	0.248	0.523	0.0659	0.139	P	K2501939.D	2025-04-02 20:17	1.412	10.924	1193838	425254	64.4	10.832	9.8%
PPSP-10-S-20250312	C01835	1.12	0.298	11.3	38.2	0.501	20114	0.248	0.523	0.0659	0.139	P	K2501940.D	2025-04-02 20:44	1.412	10.924	91058	367432	64.4	10.832	-5.1%
PPSP-9-S-20250312	B29387	1.40	0.372	14.1	38.2	0.501	20112	0.248	0.523	0.0659	0.139	P	K2501942.D	2025-04-02 21:39	1.425	10.924	110747	355073	64.4	10.826	-3.3%
PPSP-8-S-20250312	C34208	0.960	0.255	9.67	38.2	0.501	20112	0.248	0.523	0.0659	0.139	P	K2501943.D	2025-04-02 22:07	1.425	10.924	76082	355751	64.4	10.826	-3.1%
PPSP-8-D-20250312	C39118	16.4	4.35	165	38.2	0.501	20112	0.248	0.523	0.0659	0.139	P	K2501944.D	2025-04-02 22:35	1.425	10.924	1277840	350000	64.4	10.826	-4.7%
PPSP-7-S-20250312	B51054	1.04	0.275	10.4	38.2	0.501	20111	0.248	0.523	0.0659	0.139	P	K2501945.D	2025-04-02 23:02	1.425	10.924	80405	348100	64.4	10.832	-5.2%

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250312	B20191				38.2	0.443	20127	0.280	0.568	0.0646	0.131	ND	K2501931.D	2025-04-02 16:35	1.552	13.108	11412	374237	64.4	10.826	-3.4%
PPSP-5-S-20250312	C20556				38.2	0.443	20127	0.280	0.568	0.0646	0.131	ND	K2501932.D	2025-04-02 17:03	1.552	13.108	14788	428390	64.4	10.826	10.6%
PPSP-4-S-20250312	B43010				38.2	0.443	20125	0.280	0.568	0.0646	0.131	ND	K2501933.D	2025-04-02 17:30	1.552	13.102	9927	435586	64.4	10.826	12.5%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Ethylbenzene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-3-S-20250312	B14904	0.312	0.0719	2.78	38.2	0.443	20124	0.280	0.568	0.0646	0.131	J	K2501934.D	2025-04-02 17:58	1.552	13.108	25701	383753	64.4	10.826	-0.9%
PPSP-2-S-20250312	C56797	0.320	0.0738	2.86	38.2	0.443	20121	0.280	0.568	0.0646	0.131	J	K2501935.D	2025-04-02 18:26	1.552	13.108	26994	392455	64.4	10.826	1.3%
PPSP-1-B-20250312	B38596				38.2	0.443	20121	0.280	0.568	0.0646	0.131	ND	K2501930.D	2025-04-02 16:07	1.552	13.059	0	373952	64.4	10.826	-3.4%
PPSP-1-S-20250312	B40379				38.2	0.443	20121	0.280	0.568	0.0646	0.131	ND	K2501967.D	2025-04-03 09:19	1.559	13.108	8881	314877	64.4	10.832	-14.2%
PPSP-13-S-20250312	C40547				38.2	0.443	20118	0.280	0.568	0.0646	0.131	ND	K2501937.D	2025-04-02 19:22	1.552	13.108	21208	485076	64.4	10.826	25.3%
PPSP-12-S-20250312	B51060				38.2	0.443	20118	0.280	0.568	0.0646	0.131	ND	K2501938.D	2025-04-02 19:49	1.552	13.108	11766	483517	64.4	10.826	24.9%
PPSP-11-S-20250312	B52872				38.2	0.443	20116	0.281	0.568	0.0646	0.131	ND	K2501939.D	2025-04-02 20:17	1.552	13.108	20236	425254	64.4	10.832	9.8%
PPSP-10-S-20250312	C01835				38.2	0.443	20114	0.281	0.569	0.0646	0.131	ND	K2501940.D	2025-04-02 20:44	1.552	13.108	11332	367432	64.4	10.832	-5.1%
PPSP-9-S-20250312	B29387				38.2	0.443	20112	0.281	0.569	0.0647	0.131	ND	K2501942.D	2025-04-02 21:39	1.559	13.108	9791	355073	64.4	10.826	-3.3%
PPSP-8-S-20250312	C34208				38.2	0.443	20112	0.281	0.569	0.0647	0.131	ND	K2501943.D	2025-04-02 22:07	1.559	13.108	9899	355751	64.4	10.826	-3.1%
PPSP-8-D-20250312	C39118	0.340	0.0783	3.03	38.2	0.443	20112	0.281	0.569	0.0647	0.131	J	K2501944.D	2025-04-02 22:35	1.559	13.108	25621	350000	64.4	10.826	-4.7%
PPSP-7-S-20250312	B51054				38.2	0.443	20111	0.281	0.569	0.0647	0.131	ND	K2501945.D	2025-04-02 23:02	1.559	13.108	9876	348100	64.4	10.832	-5.2%

m-/p-Xylenes

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250312	B20191	0.387	0.0891	3.45	38.2	0.443	20127	0.280	0.537	0.0646	0.124	J,P	K2501931.D	2025-04-02 16:35	1.159	13.279	23221	374237	64.4	10.826	-3.4%
PPSP-5-S-20250312	C20556	0.547	0.126	4.87	38.2	0.443	20127	0.280	0.537	0.0646	0.124	P	K2501932.D	2025-04-02 17:03	1.159	13.279	37563	428390	64.4	10.826	10.6%
PPSP-4-S-20250312	B43010				38.2	0.443	20125	0.280	0.537	0.0646	0.124	ND,P	K2501933.D	2025-04-02 17:30	1.159	13.279	18069	435586	64.4	10.826	12.5%
PPSP-3-S-20250312	B14904	0.675	0.156	6.02	38.2	0.443	20124	0.280	0.537	0.0646	0.124	P	K2501934.D	2025-04-02 17:58	1.159	13.279	41567	383753	64.4	10.826	-0.9%
PPSP-2-S-20250312	C56797	1.17	0.269	10.4	38.2	0.443	20121	0.280	0.537	0.0646	0.124	P	K2501935.D	2025-04-02 18:26	1.159	13.285	73456	392455	64.4	10.826	1.3%
PPSP-1-B-20250312	B38596				38.2	0.443	20121	0.280	0.537	0.0646	0.124	ND,P	K2501930.D	2025-04-02 16:07	1.159	13.059	0	373952	64.4	10.826	-3.4%
PPSP-1-S-20250312	B40379	0.361	0.0832	3.22	38.2	0.443	20121	0.280	0.537	0.0646	0.124	J,P	K2501967.D	2025-04-03 09:19	1.137	13.285	17887	314877	64.4	10.832	-14.2%
PPSP-13-S-20250312	C40547	0.553	0.127	4.93	38.2	0.443	20118	0.280	0.537	0.0646	0.124	P	K2501937.D	2025-04-02 19:22	1.159	13.279	43022	485076	64.4	10.826	25.3%
PPSP-12-S-20250312	B51060				38.2	0.443	20118	0.280	0.537	0.0646	0.124	ND,P	K2501938.D	2025-04-02 19:49	1.159	13.279	21373	483517	64.4	10.826	24.9%
PPSP-11-S-20250312	B52872	0.530	0.122	4.73	38.2	0.443	20116	0.281	0.537	0.0646	0.124	J,P	K2501939.D	2025-04-02 20:17	1.159	13.279	36152	425254	64.4	10.832	9.8%
PPSP-10-S-20250312	C01835	0.334	0.0769	2.97	38.2	0.443	20114	0.281	0.537	0.0646	0.124	J,P	K2501940.D	2025-04-02 20:44	1.159	13.279	19645	367432	64.4	10.832	-5.1%
PPSP-9-S-20250312	B29387	0.324	0.0746	2.88	38.2	0.443	20112	0.281	0.537	0.0647	0.124	J,P	K2501942.D	2025-04-02 21:39	1.137	13.285	18064	355073	64.4	10.826	-3.3%
PPSP-8-S-20250312	C34208	0.463	0.107	4.13	38.2	0.443	20112	0.281	0.537	0.0647	0.124	J,P	K2501943.D	2025-04-02 22:07	1.137	13.279	25920	355751	64.4	10.826	-3.1%
PPSP-8-D-20250312	C39118	1.37	0.316	12.2	38.2	0.443	20112	0.281	0.537	0.0647	0.124	P	K2501944.D	2025-04-02 22:35	1.137	13.285	75417	350000	64.4	10.826	-4.7%
PPSP-7-S-20250312	B51054	0.321	0.0740	2.86	38.2	0.443	20111	0.281	0.537	0.0647	0.124	J,P	K2501945.D	2025-04-02 23:02	1.137	13.285	17566	348100	64.4	10.832	-5.2%

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-6-S-20250312	B20191				38.2	0.443	20127	0.280	0.560	0.0646	0.129	ND,Pc	K2501931.D	2025-04-02 16:35	1.161	13.781	9141	374237	64.4	10.826	-3.4%
PPSP-5-S-20250312	C20556				38.2	0.443	20127	0.280	0.560	0.0646	0.129	ND,Pc	K2501932.D	2025-04-02 17:03	1.161	13.781	13965	428390	64.4	10.826	10.6%
PPSP-4-S-20250312	B43010				38.2	0.443	20125	0.280	0.560	0.0646	0.129	ND,Pc	K2501933.D	2025-04-02 17:30	1.161	13.781	8692	435586	64.4	10.826	12.5%
PPSP-3-S-20250312	B14904				38.2	0.443	20124	0.280	0.560	0.0646	0.129	ND,Pc	K2501934.D	2025-04-02 17:58	1.161	13.781	14806	383753	64.4	10.826	-0.9%
PPSP-2-S-20250312	C56797	0.402	0.0927	3.58	38.2	0.443	20121	0.280	0.560	0.0646	0.129	J,Pc	K2501935.D	2025-04-02 18:26	1.161	13.781	25358	392455	64.4	10.826	1.3%
PPSP-1-B-20250312	B38596				38.2	0.443	20121	0.280	0.560	0.0646	0.129	ND,Pc	K2501930.D	2025-04-02 16:07	1.161	13.848	0	373952	64.4	10.826	-3.4%

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

o-Xylene

Sample Code	Tube ID	Conc (ug/m³)	Conc (ppbv)	Calc Amt (ng)	Temp ("F)	Uptake Rate (mL/min)	Sample Time (min)	LOD (ug/m³)	LOQ (ug/m³)	LOD (ppbv)	LOQ (ppbv)	Flags	Data File	Inj DateTime	CCV RRF	Ret Time (min)	Target Area	ISTD Area	ISTD Amt	ISTD RT	ISTD Change
PPSP-1-S-20250312	B40379				38.2	0.443	20121	0.280	0.560	0.0646	0.129	ND,Pc	K2501967.D	2025-04-03 09:19	1.154	13.787	7218	314877	64.4	10.832	-14.2%
PPSP-13-S-20250312	C40547				38.2	0.443	20118	0.280	0.560	0.0646	0.129	ND,Pc	K2501937.D	2025-04-02 19:22	1.161	13.781	14472	485076	64.4	10.826	25.3%
PPSP-12-S-20250312	B51060				38.2	0.443	20118	0.280	0.560	0.0646	0.129	ND,Pc	K2501938.D	2025-04-02 19:49	1.161	13.781	8112	483517	64.4	10.826	24.9%
PPSP-11-S-20250312	B52872				38.2	0.443	20116	0.281	0.560	0.0646	0.129	ND,Pc	K2501939.D	2025-04-02 20:17	1.161	13.781	12243	425254	64.4	10.832	9.8%
PPSP-10-S-20250312	C01835				38.2	0.443	20114	0.281	0.560	0.0646	0.129	ND,Pc	K2501940.D	2025-04-02 20:44	1.161	13.775	7198	367432	64.4	10.832	-5.1%
PPSP-9-S-20250312	B29387				38.2	0.443	20112	0.281	0.560	0.0647	0.129	ND,Pc	K2501942.D	2025-04-02 21:39	1.154	13.781	7320	355073	64.4	10.826	-3.3%
PPSP-8-S-20250312	C34208				38.2	0.443	20112	0.281	0.560	0.0647	0.129	ND,Pc	K2501943.D	2025-04-02 22:07	1.154	13.781	10255	355751	64.4	10.826	-3.1%
PPSP-8-D-20250312	C39118	0.428	0.0987	3.82	38.2	0.443	20112	0.281	0.560	0.0647	0.129	J,Pc	K2501944.D	2025-04-02 22:35	1.154	13.781	23933	350000	64.4	10.826	-4.7%
PPSP-7-S-20250312	B51054				38.2	0.443	20111	0.281	0.560	0.0647	0.129	ND,Pc	K2501945.D	2025-04-02 23:02	1.154	13.781	4936	348100	64.4	10.832	-5.2%

J: Estimated Value - The analyte was detected between the Method Detection Limit and Reporting Limit

ND: The analyte was not present above the Method Detection Limit

P: Field duplicate(s) exceed 30%RPD

Pc: Field duplicate(s) exceed 30%RPD. Concentrations of both samples in duplicate are near the reporting limit

QC



Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW107-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

QC Samples

Field Sample Type	Sample Code	Benzene		Toluene		Ethylbenzene		m-/p-Xylenes		o-Xylene	
Blanks (ug/m³)	PPSP-1-B-20250312	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	PPSP-8-D-20250312	31%	Fail	180%	Fail	19%	Pass	99%	Fail	42%	Fail

Narrative Summary



Enthalpy Analytical Narrative Summary

Company	Power Engineers, Inc.
Site	Portland Pipeline - S Portland, ME
Report #	2025FW107

Custody

Enthalpy Analytical, LLC received the sample tubes on 04/01/25. The samples were received in good condition at a temperature of 9.3 °C.

Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Analysis

The samples were analyzed for benzene, toluene, ethylbenzene, m-/p-xylenes, and o-xylene using EPA Method 325B – Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS. A copy of the acquisition method (M325B-MTD.M) is not included in this report but may be available upon request.

Calibration

The daily BFB checks and the BFB tune associated with the initial calibration failed to meet method criteria for the relative response of m/z 174. Because m/z 174 is not near the tuning region of the quant ions for the target analytes and the continuing calibration checks met the 30% difference criteria, the deviation is not expected to have an effect on the data. All other BFB criteria have been met for this analysis.

The initial calibration met 30% RSD criteria. The initial calibration verification met 30% recovery criteria. The continuing calibration verifications met 30% difference criteria. The initial and continuing calibration raw data are not included in this report but are available upon request.



Enthalpy Analytical Narrative Summary (continued)

Quality Control Notes

All quality control criteria required by the method and/or the laboratory SOP have been met unless noted otherwise below.

The primary sample PPSP-8-S-20250312 (tube ID C34208) and its corresponding duplicate PPSP-8-D-20250312 (tube ID C39118) failed to meet the 30% difference criterion for benzene, toluene, and m-/p-xylenes specified by the method. All samples in the data set have been flagged “P” for benzene, toluene, and m-/p-xylenes to denote this failure.

The primary sample PPSP-8-S-20250312 (tube ID C34208) and its corresponding duplicate PPSP-8-D-20250312 (tube ID C39118) failed to meet the 30% difference criteria for o-xylene specified by the method. However, the concentrations of the analyte in both the sample and the duplicate were less than two times the reporting limit of the instrument’s calibration curve. Therefore, the percent difference observed may not suggest the data set has been negatively affected. All samples in the data set have been flagged “Pc” for o-xylene to denote this failure.

Reporting Notes

The samples may have been purged to remove known or suspected moisture. If purging occurred, a CCV and a Method Blank will have been purged alongside the samples. The laboratory maintains documentation of samples that are purged.

As specified in EPA Method 325B, the response factor of the daily continuing calibration standard was used to quantitate all field samples and blanks.

All samples were reported as amount in ng catch, and concentration in $\mu\text{g}/\text{m}^3$ and ppbv.

The results presented in this report are representative of the samples as provided to the laboratory.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.





Enthalpy Analytical LDEQ Certification Statement

Enthalpy Analytical, located at 800 Capitola Drive, Suite 1, Durham NC, 27713 is accredited by the Louisiana Department of Environmental Quality (LDEQ) under **Certificate Number 04010**. The methods included in this report are listed in the table below along with Enthalpy-Durham's accreditation status with LDEQ and any analytes that Enthalpy-Durham does not hold accreditation for.

Method	Accredited by LDEQ?	Analytes of an Accredited Method that are not Accredited
EPA M325B	Yes	N/A

Sample Custody



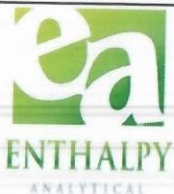


EPA Method 325 A/B Field Test Data Sheet and Chain of Custody Record

Page # 1 of # 2

- ☒ Standard Turn Around Time (7 business days)
- ☐ Rush Turn Around Time
- All TATs Subject to Approval by Enthalpy Analytical, LLC
- Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:			
Site Address:			Project Number:			Sample Event #			
City:			Project Manager: Tom Rolfson			Sorbent:			
State:			Email Address: tom.rolfson@powererg.com						
Zip:			Telephone #:						
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
6	B20191	sample	312/2025	11:05 AM	3/26/25	10:32 AM	JB / JB		
5	C20556	sample	312/2025	11:09 AM	3/26/25	10:36 AM	JB / JB		
4	B43010	sample	312/2025	11:15 AM	3/26/25	10:40 AM	JB / JB		
3	B14904	sample	312/2025	11:20 AM	3/26/25	10:44 AM	JB / JB		
2	C56797	sample	312/2025	11:28 AM	3/26/25	10:49 AM	JB / JB		
1	B38596	blank	312/2025	11:33 AM	3/26/25	10:54 AM	JB / JB		
1	B40379	sample	312/2025	11:33 AM	3/26/25	10:54 AM	JB / JB		
13	C40547	sample	312/2025	11:39 AM	3/26/25	10:57 AM	JB / JB		
Relinquished By (printed):			Relinquished By (signature):			Relinquished Date:		Relinquished Time:	
Jen Bowidowicz			<i>Jennifer Bowidowicz</i>			3/26/2025			
Recieved By (printed):			Recieved By (signature):			Receipt Date:		Receipt Time:	
Daniel Simpson			<i>Daniel Simpson</i>			4/1/25		11:08	
Sample Condition Upon Receipt:			Compound List:			Custody Seal intact? Y/N:		Delivery tracking #	
Good			BTEX			Y			
Ice Temp:	Blank Temp:					Add Custody Seal # below:			
→	93	Fluke 4				24H13915			
Comments:									
Please pull the ambient temp from the KPWM NOAA station. Thank you									
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com									



EPA Method 325 A/B
Field Test Data Sheet and
Chain of Custody Record

Page # 2 of # 2

- ☒ Standard Turn Around Time (7 business days)
☐ Rush Turn Around Time
• All TATs Subject to Approval by Enthalpy Analytical, LLC
• Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

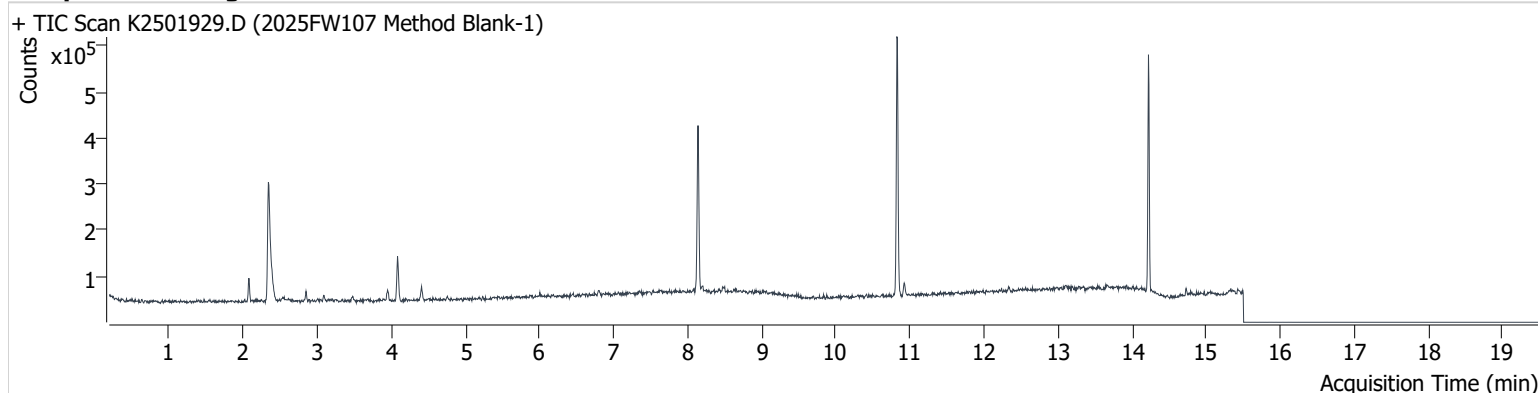
Site Name: South Portland Terminal			Client Name: Portland Pipe Line			PO#:			
Site Address:			Project Number:			Sample Event #:			
City:			Project Manager: Tom Rolfson			Sorbent:			
State:			Email Address: tom.rolfson@powererg.com						
Zip:			Telephone #:						
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
12	B51060	sample	312/2025	11:45 AM	3/26/25	11:03 AM	JB / JB		
11	B52872	sample	312/2025	11:51 AM	3/26/25	11:07 AM	JB / JB		
10	C01835	sample	312/2025	11:57 AM	3/26/25	11:11 AM	JB / JB		
9	B29387	sample	312/2025	12:02 PM	3/26/25	11:14 AM	JB / JB		
8	C34208	sample	312/2025	12:08 PM	3/26/25	11:20 AM	JB / JB		
8	C39118	duplicate	312/2025	12:08 PM	3/26/25	11:20 AM	JB / JB		
7	B51054	sample	312/2025	12:13 PM	3/26/25	11:24 AM	JB / JB		
Relinquished By (printed):			Relinquished By (signature):			Relinquished Date:		Relinquished Time:	
Jen Bowidowicz			<i>Jennifer Bowidowicz</i>			3/26/2025			
Recieved By (printed):			Recieved By (signature):			Receipt Date:		Receipt Time:	
Daniel Simpson			<i>Dan Simpson</i>			4/1/25		11:08	
Sample Condition Upon Receipt:			Compound List:			Custody Seal intact? Y/N:		Delivery tracking #	
Good			BTEX			Y			
Ice Temp:	Blank Temp:					Add Custody Seal # below:			
	9.3	Fluke 4				24H13915			
Comments:									
Please pull the ambient temp from the KPWM NOAA station. Thank you									
800-1 Capitola Drive • Durham, NC 27713 • (919) 850-4392 • FAX (919) 850-9012 • www.enthalpy.com									

Sample Chromatograms



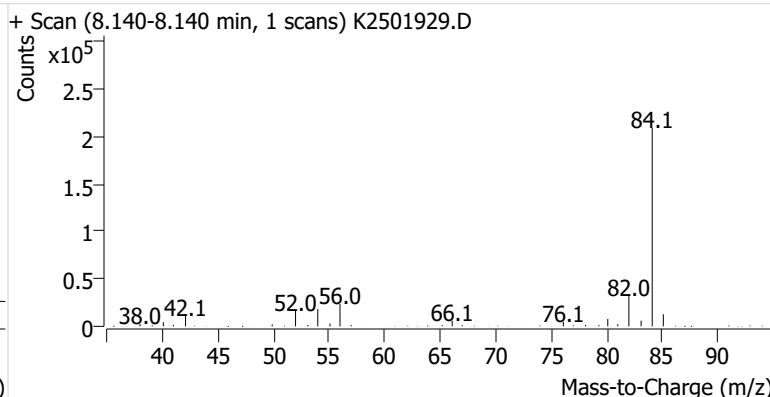
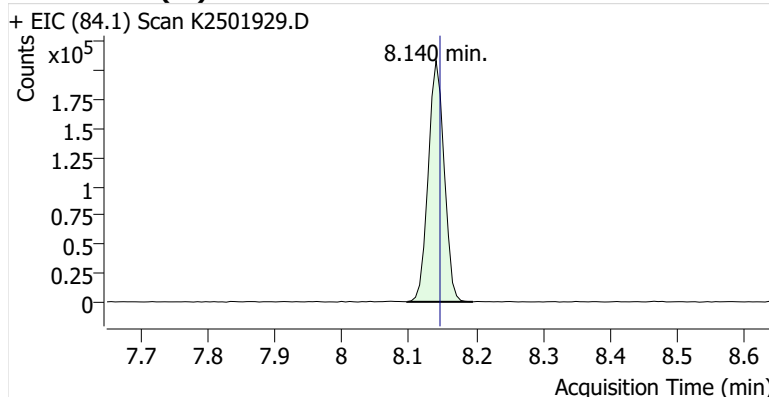
Name 2025FW107 Method Blank-1
Comment C31401
Data File K2501929.D
Acq. Date-Time 4/2/2025 3:40:17 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxen X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

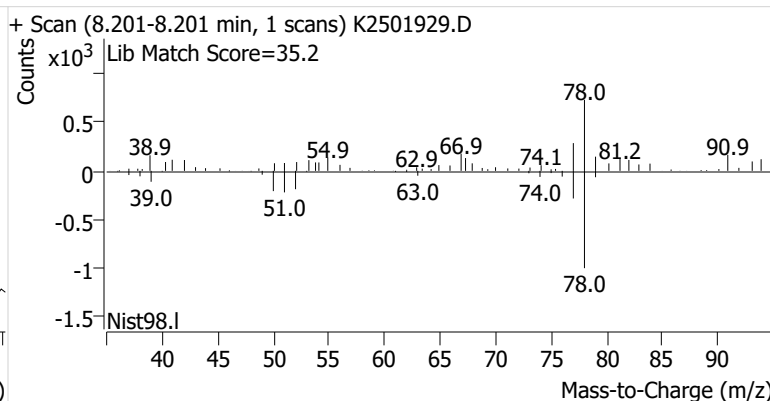
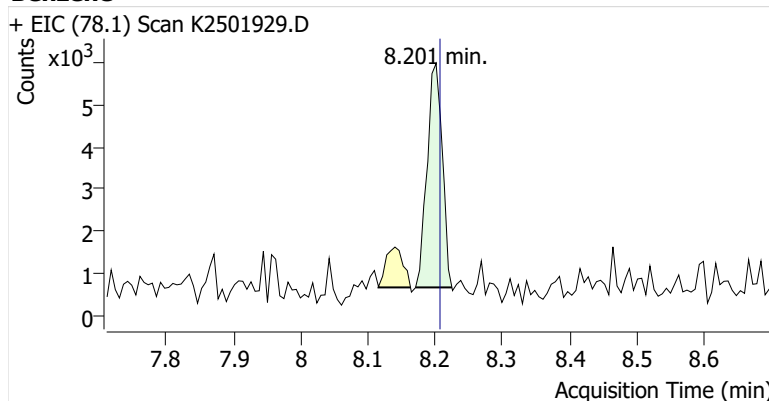


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	342,734	
Benzene	benzene-d6 (IS)	8.201	8.207	8,117	
Toluene-d8 (IS)		10.832	10.838	366,985	
Toluene	Toluene-d8 (IS)	10.924	10.930	17,702	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	4,833	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	1,977	
o-Xylene	Toluene-d8 (IS)	13.775	13.787	536	

benzene-d6 (IS)

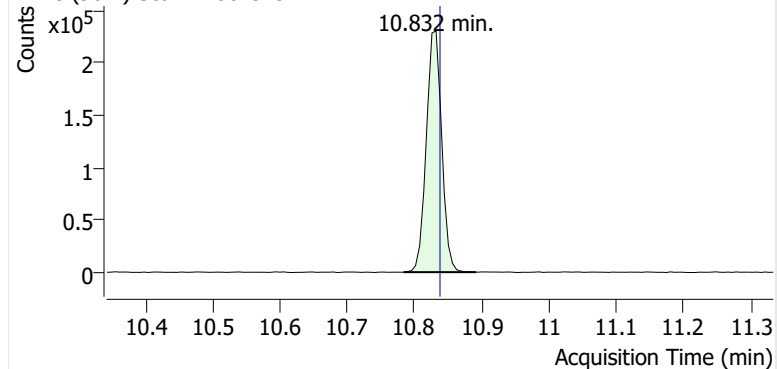


Benzene

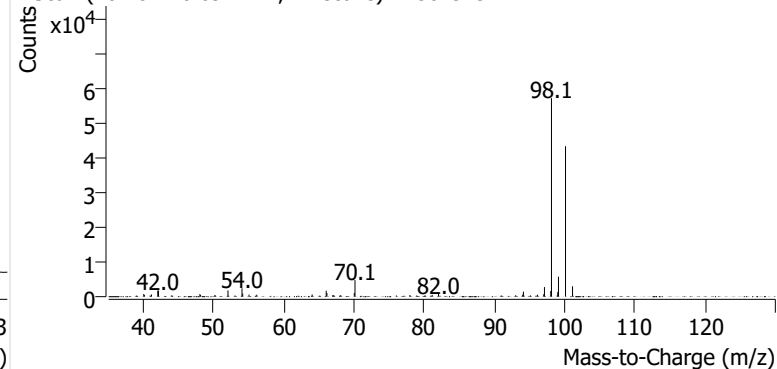


Toluene-d8 (IS)

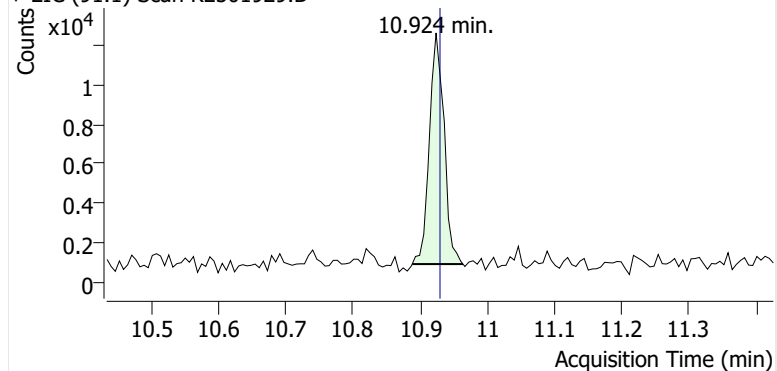
+ EIC (98.1) Scan K2501929.D



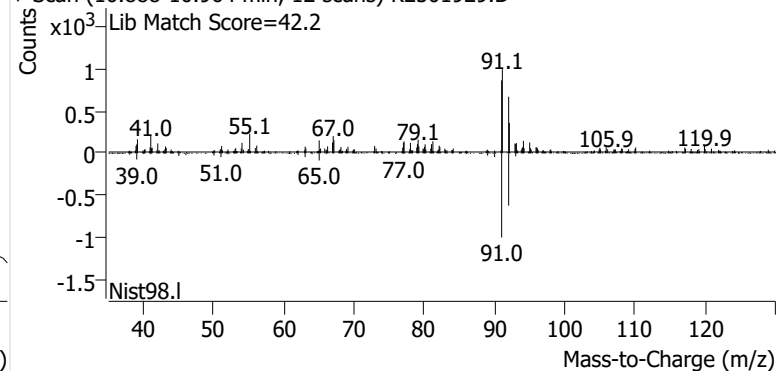
+ Scan (10.784-10.891 min, 17 scans) K2501929.D

**Toluene**

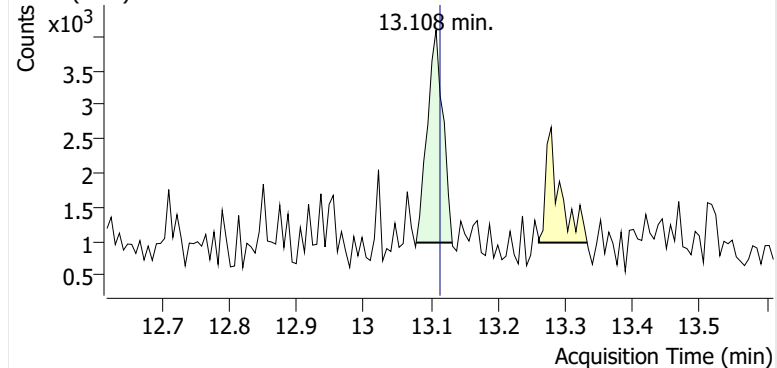
+ EIC (91.1) Scan K2501929.D



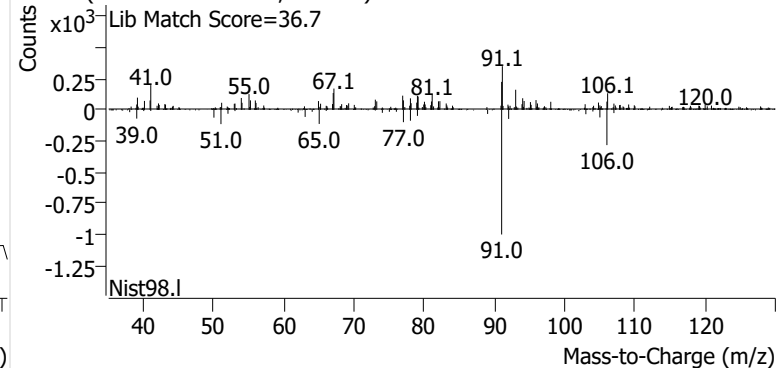
+ Scan (10.888-10.964 min, 12 scans) K2501929.D

**Ethylbenzene**

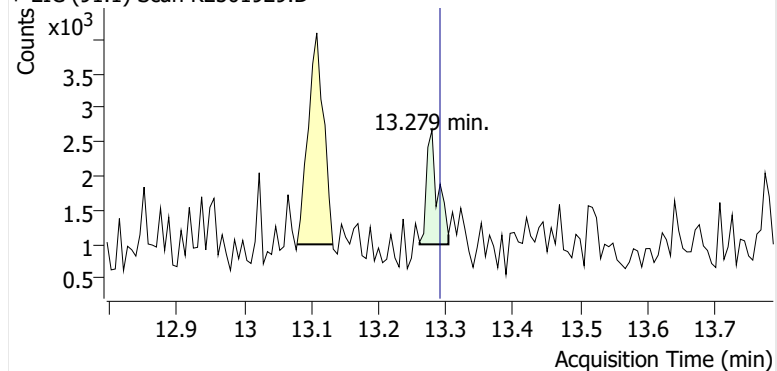
+ EIC (91.1) Scan K2501929.D



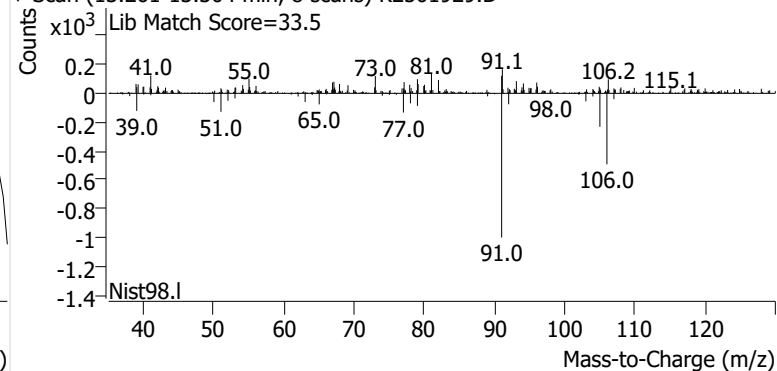
+ Scan (13.078-13.132 min, 8 scans) K2501929.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501929.D

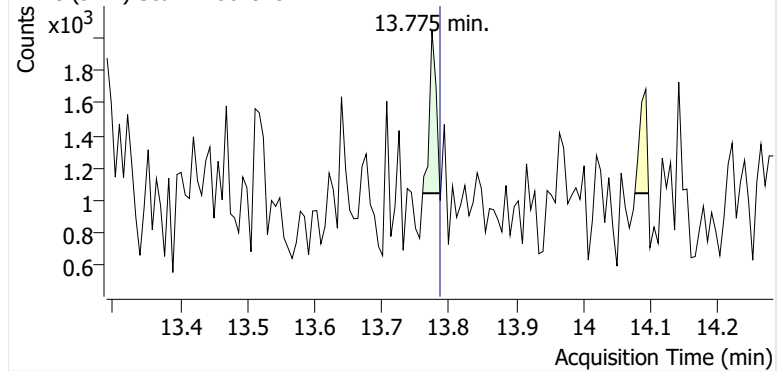


+ Scan (13.261-13.304 min, 8 scans) K2501929.D

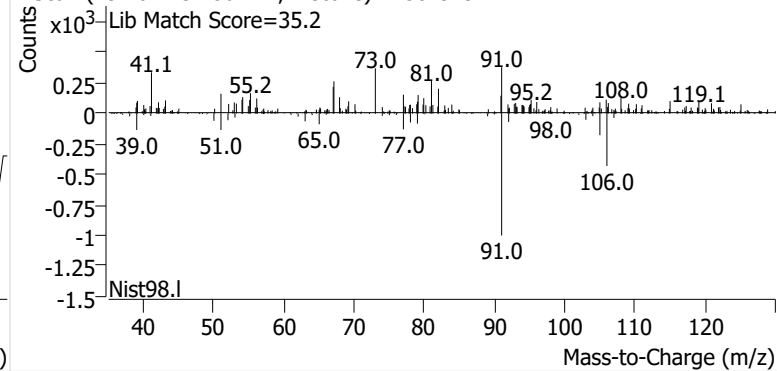


o-Xylene

+ EIC (91.1) Scan K2501929.D

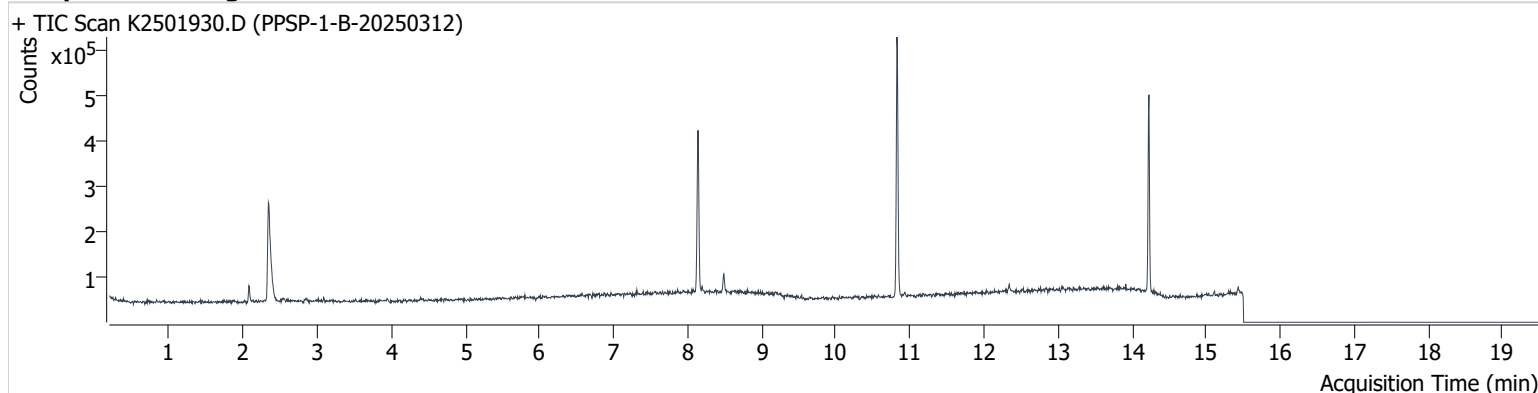


+ Scan (13.761-13.786 min, 4 scans) K2501929.D



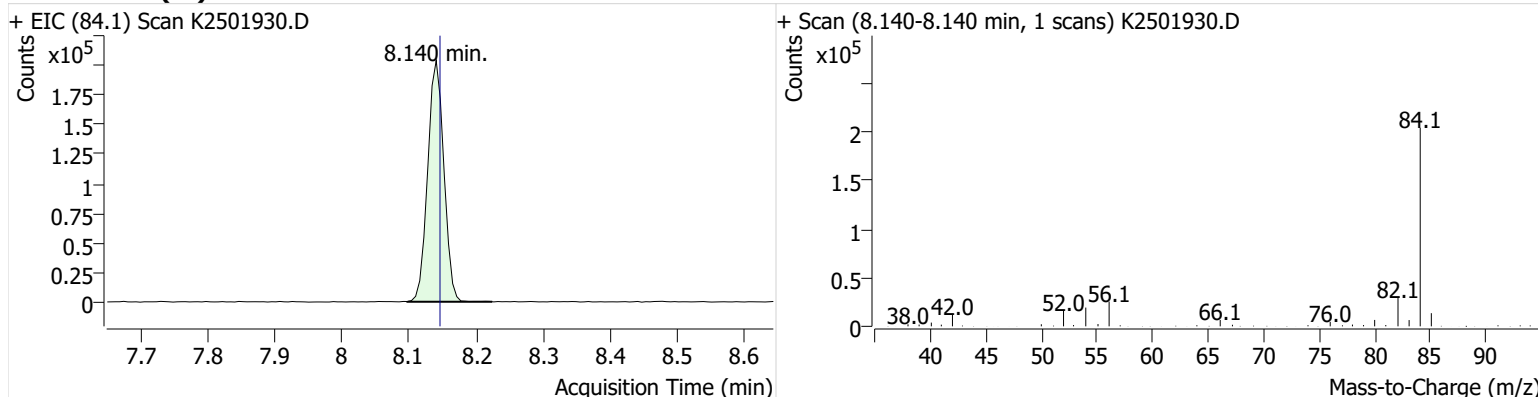
Name PPSP-1-B-20250312
Comment B38596
Data File K2501930.D
Acq. Date-Time 4/2/2025 4:07:50 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

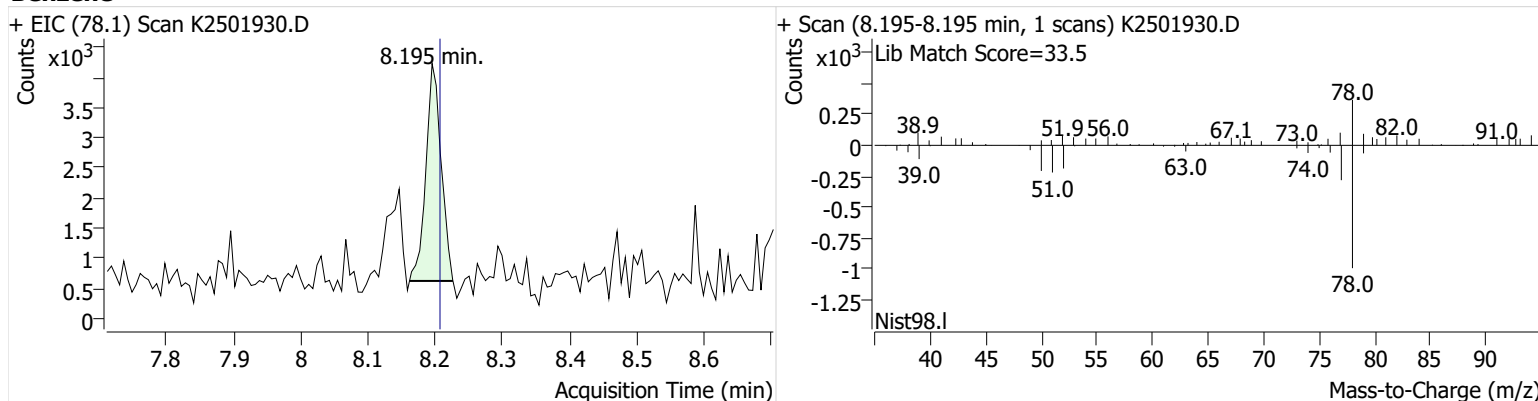


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	340,392	
Benzene	benzene-d6 (IS)	8.195	8.207	5,658	
Toluene-d8 (IS)		10.826	10.838	373,952	
Toluene	Toluene-d8 (IS)	10.924	10.930	5,344	
Ethylbenzene	Toluene-d8 (IS)	13.059	13.114	ND	m
m-/p-Xylenes	Toluene-d8 (IS)	13.059	13.291	ND	m
o-Xylene	Toluene-d8 (IS)	13.848	13.787	ND	m

benzene-d6 (IS)

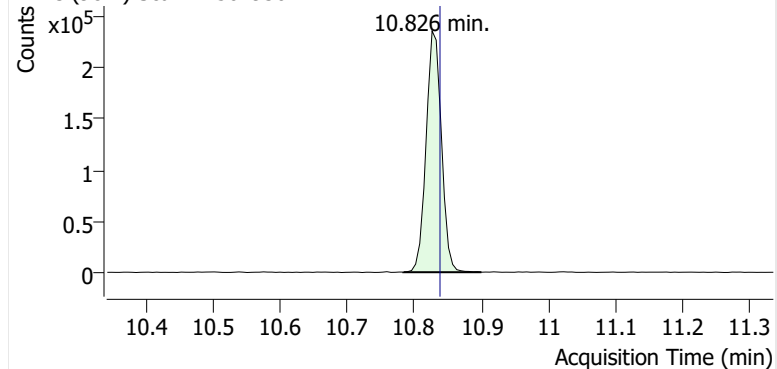


Benzene

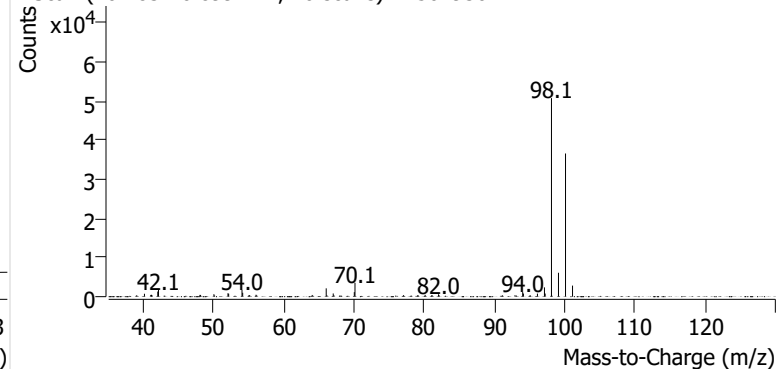


Toluene-d8 (IS)

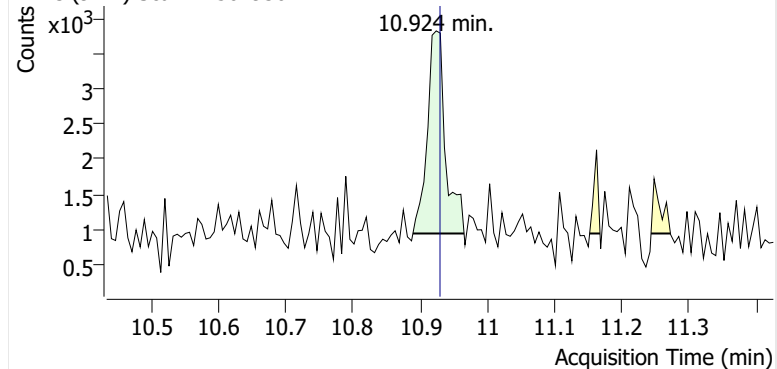
+ EIC (98.1) Scan K2501930.D



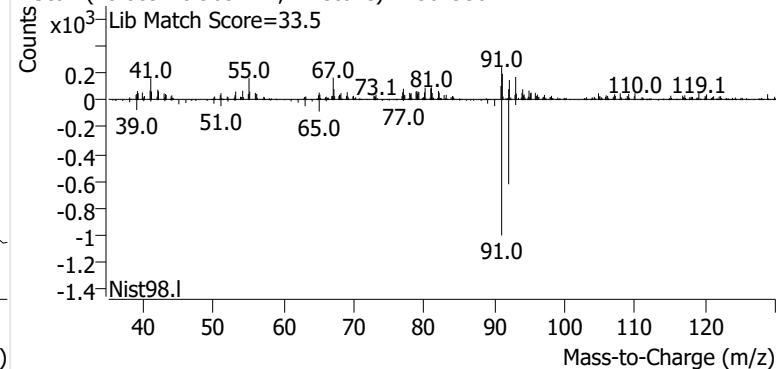
+ Scan (10.783-10.899 min, 20 scans) K2501930.D

**Toluene**

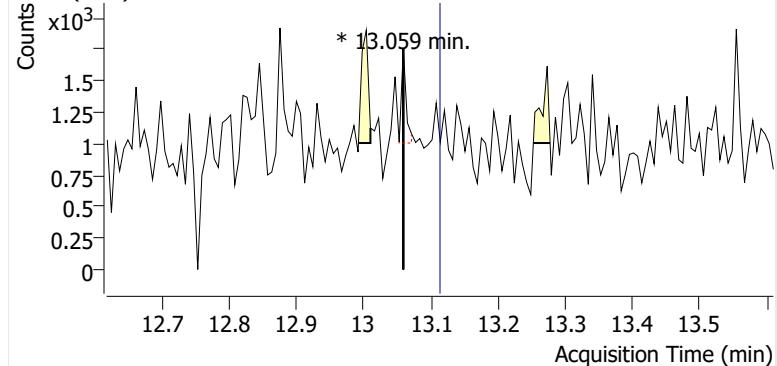
+ EIC (91.1) Scan K2501930.D



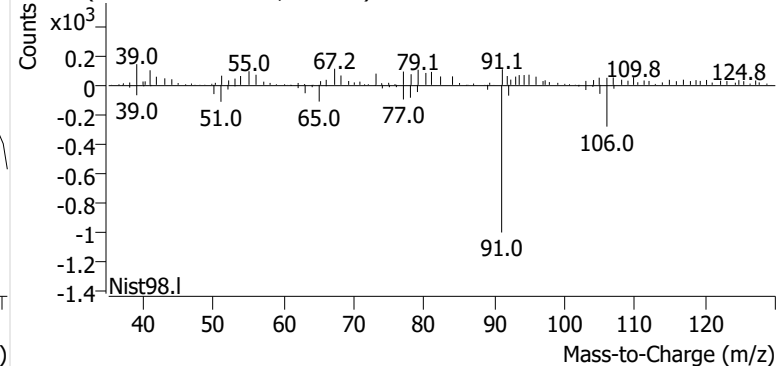
+ Scan (10.889-10.965 min, 12 scans) K2501930.D

**Ethylbenzene**

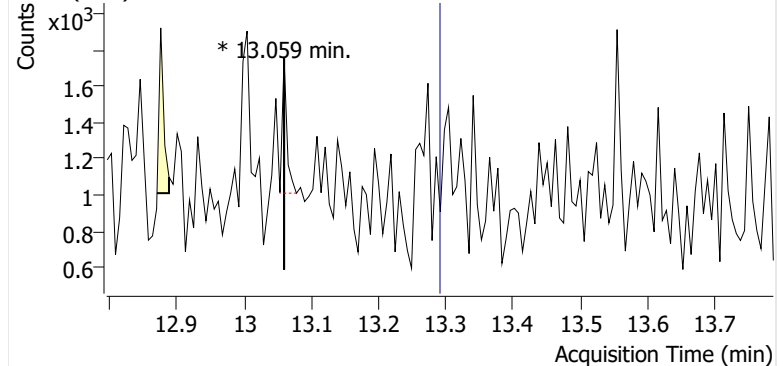
+ EIC (91.1) Scan K2501930.D



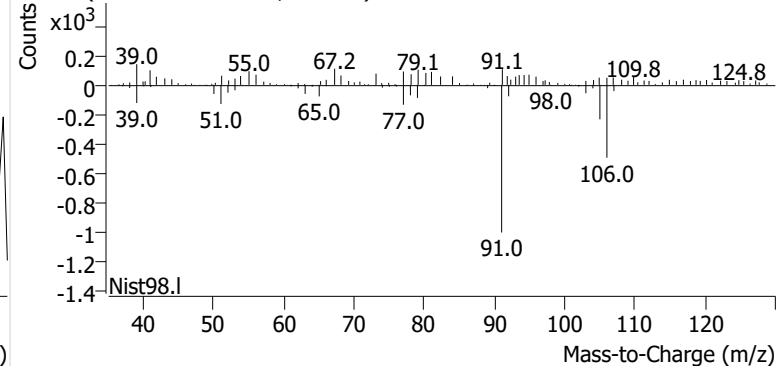
+ Scan (13.059-13.059 min, 1 scans) K2501930.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501930.D

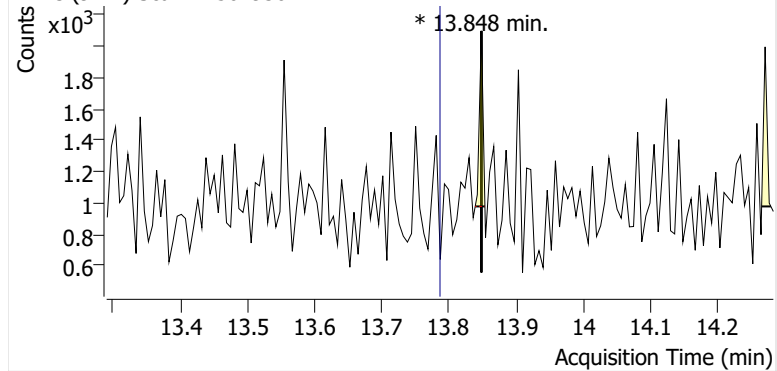


+ Scan (13.059-13.059 min, 1 scans) K2501930.D

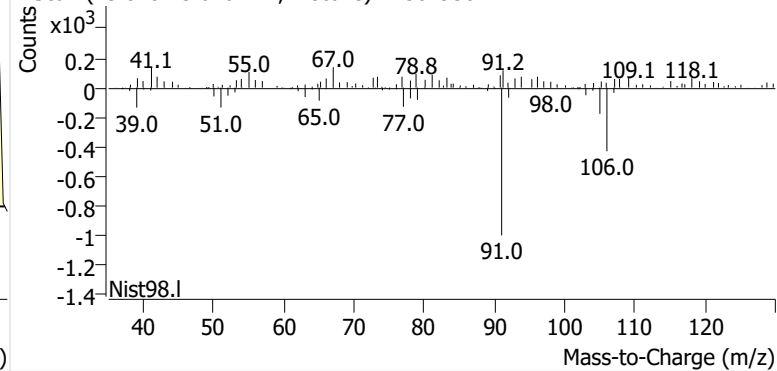


o-Xylene

+ EIC (91.1) Scan K2501930.D

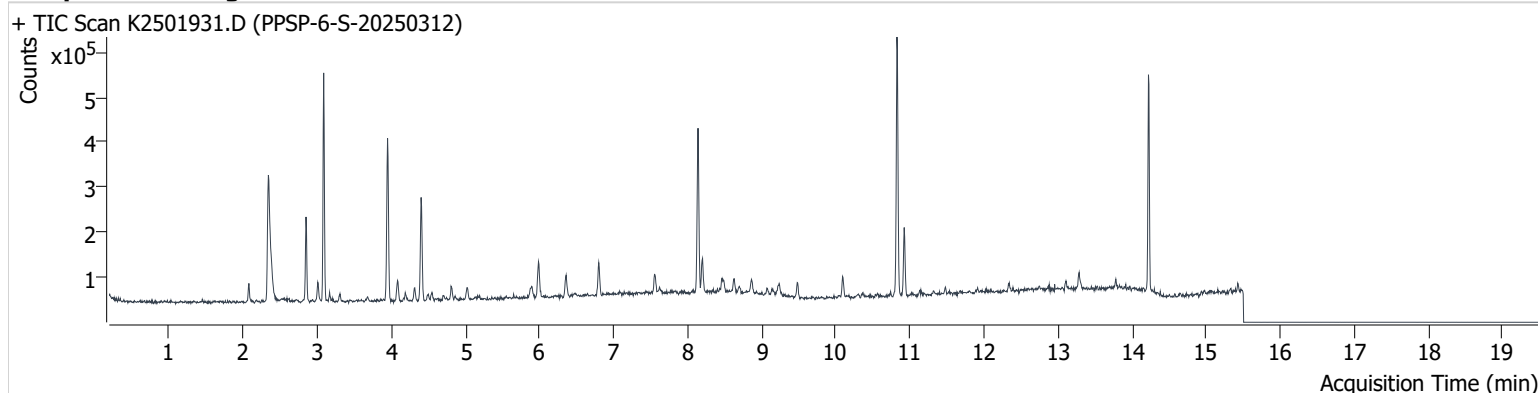


+ Scan (13.848-13.848 min, 1 scans) K2501930.D



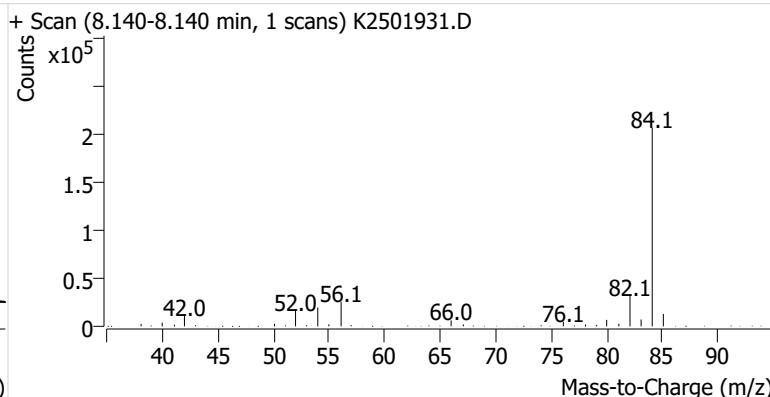
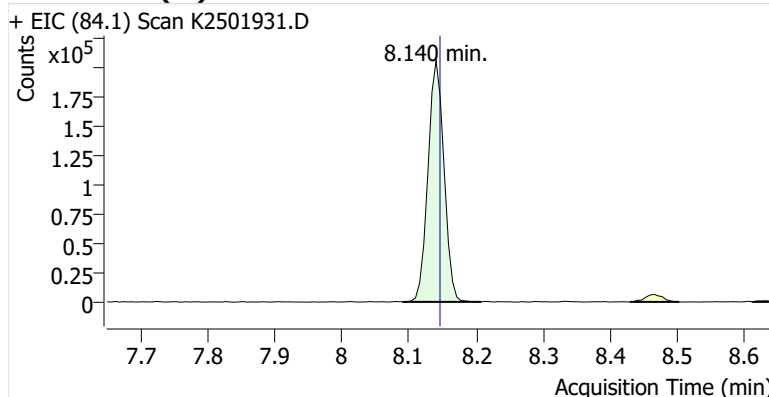
Name PPSP-6-S-20250312
Comment B20191
Data File K2501931.D
Acq. Date-Time 4/2/2025 4:35:35 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

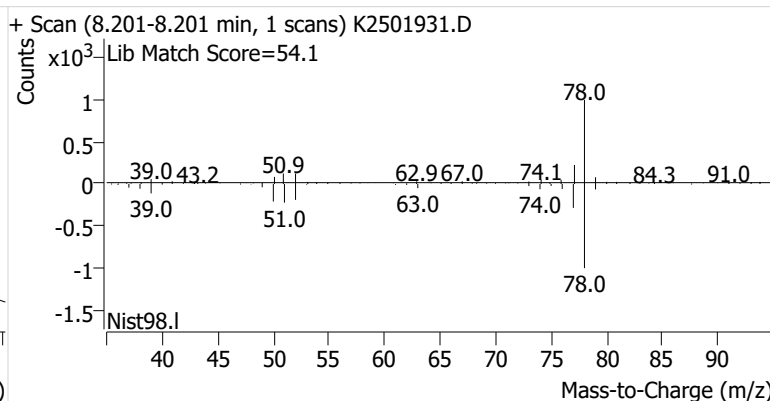
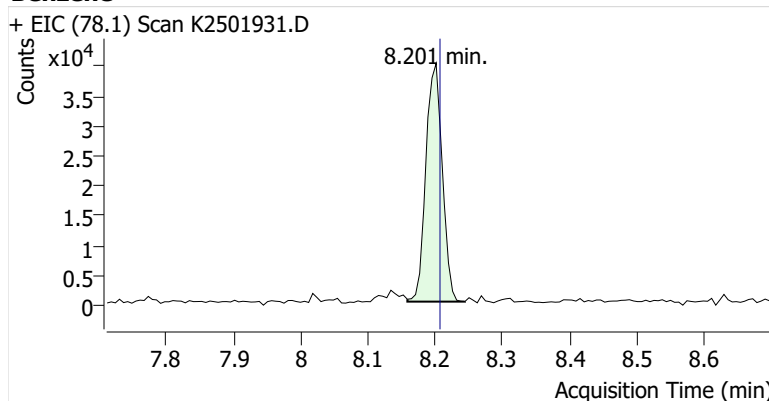


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	340,197	
Benzene	benzene-d6 (IS)	8.201	8.207	67,623	
Toluene-d8 (IS)		10.826	10.838	374,237	
Toluene	Toluene-d8 (IS)	10.924	10.930	96,095	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	11,412	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	23,221	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	9,141	

benzene-d6 (IS)

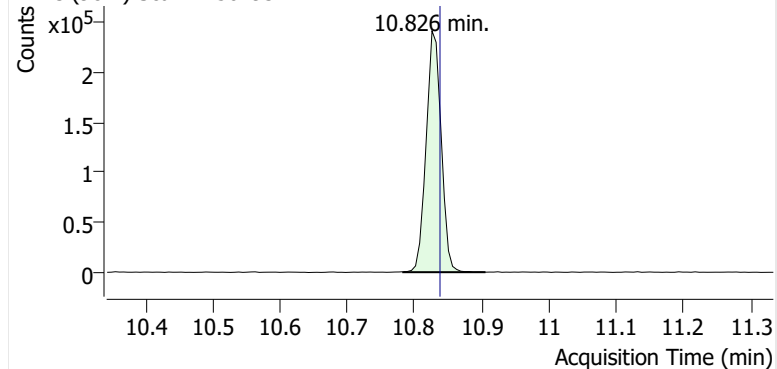


Benzene

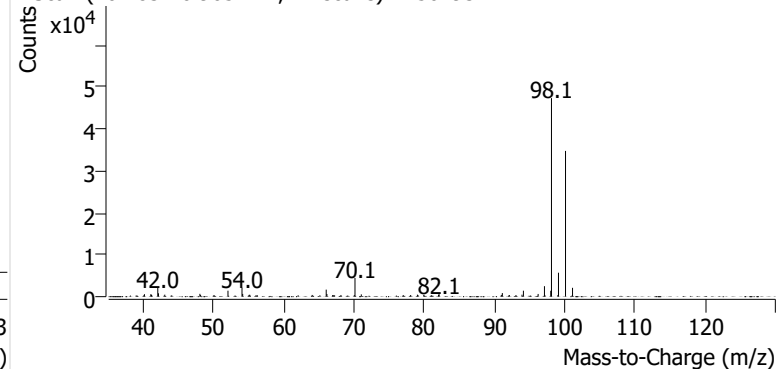


Toluene-d8 (IS)

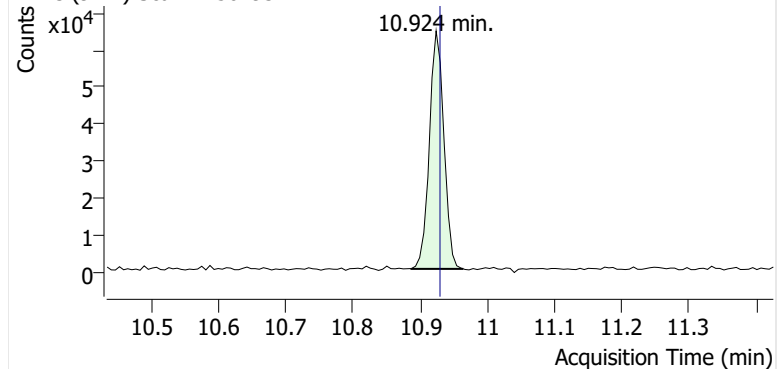
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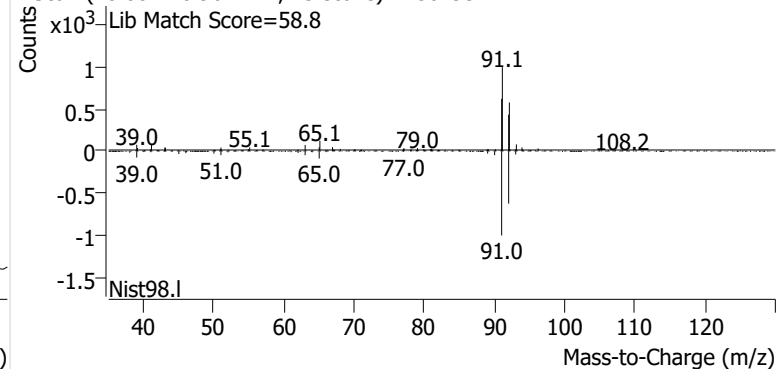
+ Scan (10.783-10.905 min, 21 scans) K2501931.D

**Toluene**

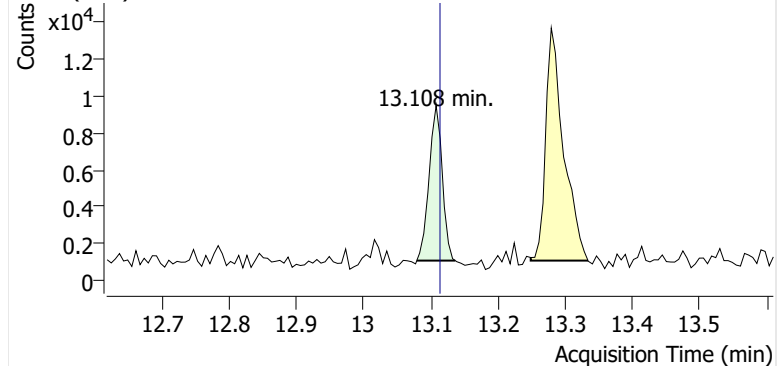
+ EIC (91.1) Scan K2501931.D



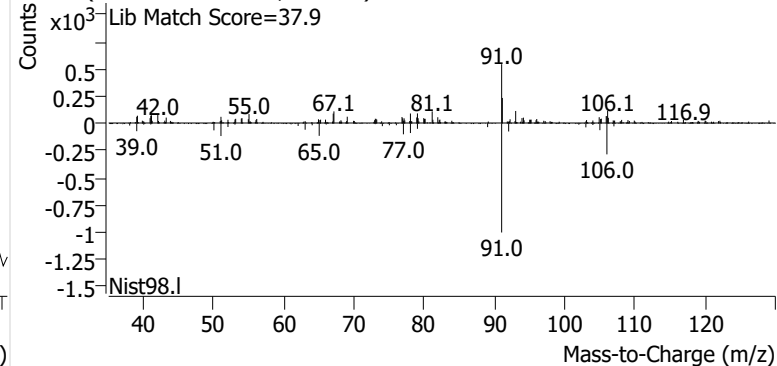
+ Scan (10.887-10.964 min, 13 scans) K2501931.D

**Ethylbenzene**

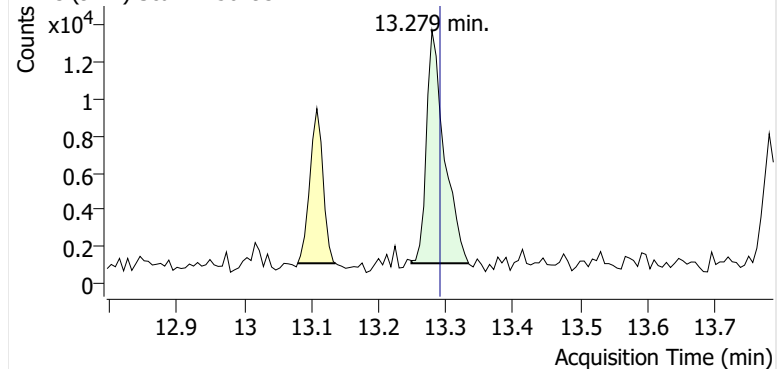
+ EIC (91.1) Scan K2501931.D



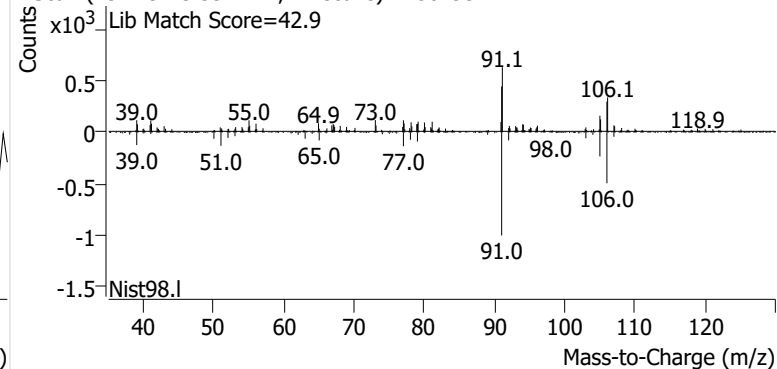
+ Scan (13.079-13.136 min, 9 scans) K2501931.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501931.D

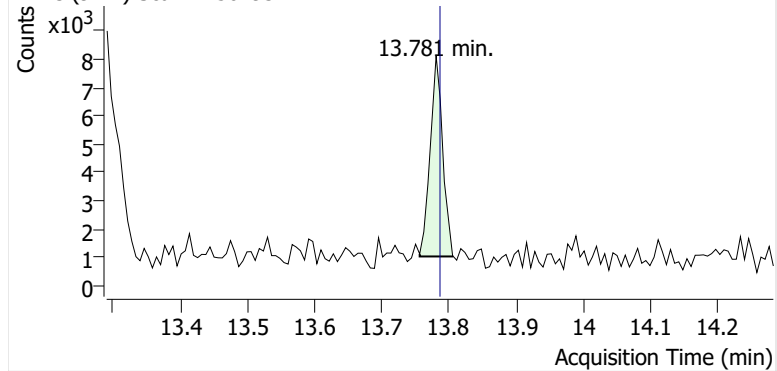


+ Scan (13.249-13.334 min, 14 scans) K2501931.D

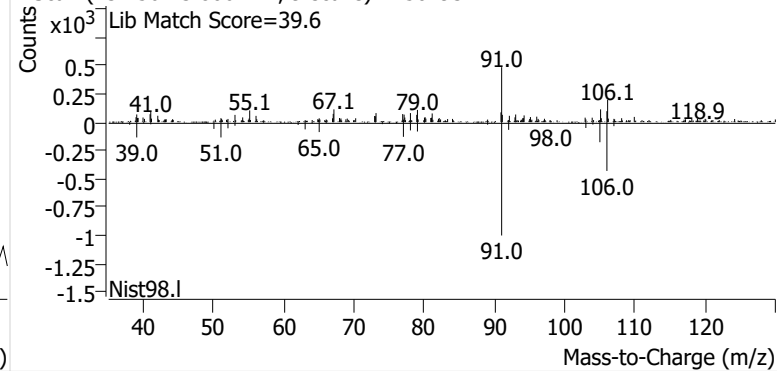


o-Xylene

+ EIC (91.1) Scan K2501931.D

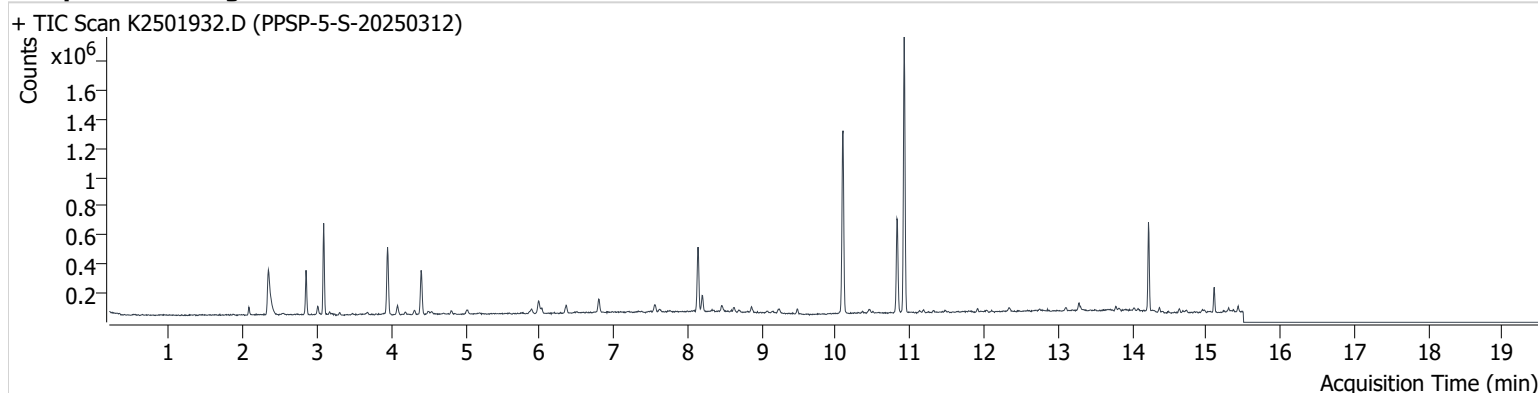


+ Scan (13.756-13.806 min, 9 scans) K2501931.D



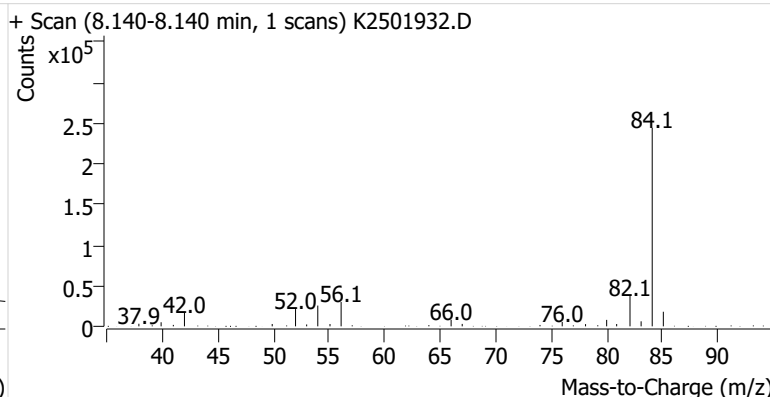
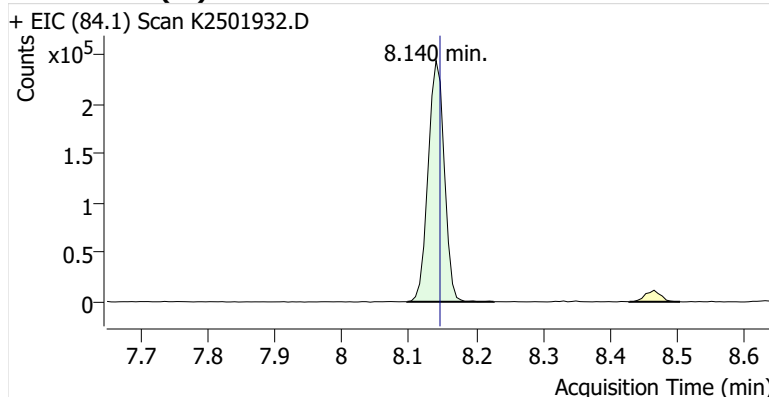
Name PPSP-5-S-20250312
Comment C20556
Data File K2501932.D
Acq. Date-Time 4/2/2025 5:03:15 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

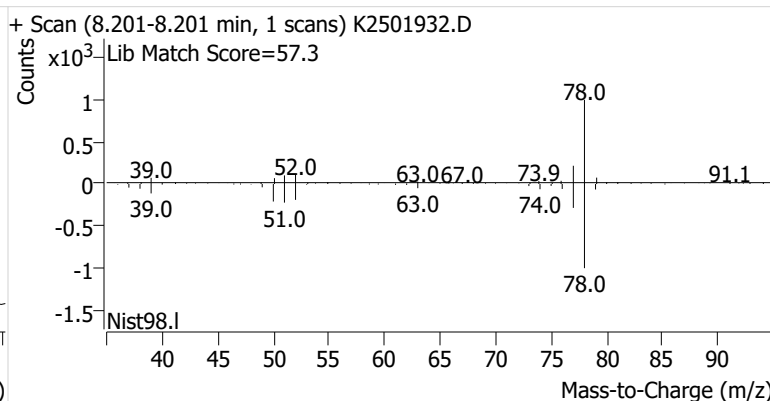
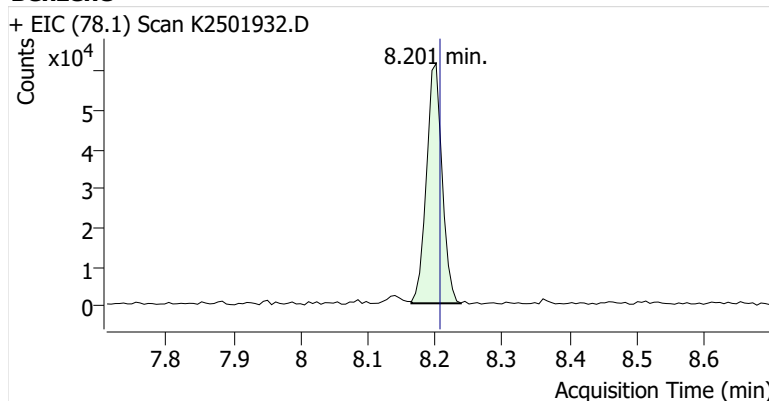


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	407,422	
Benzene	benzene-d6 (IS)	8.201	8.207	99,241	
Toluene-d8 (IS)		10.826	10.838	428,390	
Toluene	Toluene-d8 (IS)	10.924	10.930	1,303,765	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	14,788	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	37,563	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	13,965	

benzene-d6 (IS)

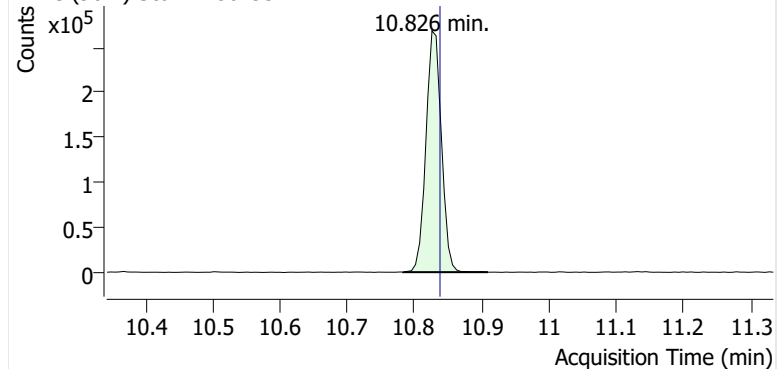


Benzene

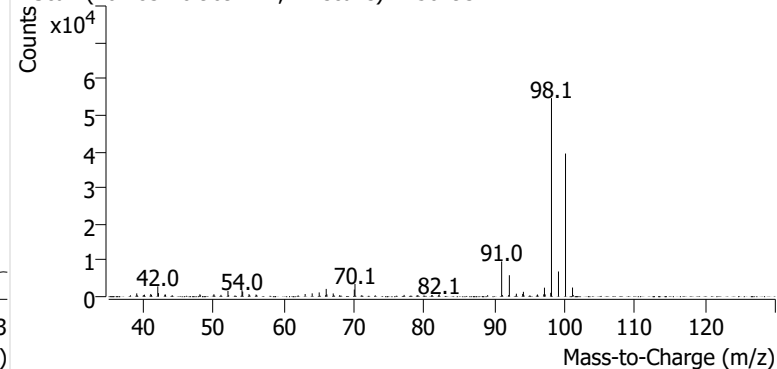


Toluene-d8 (IS)

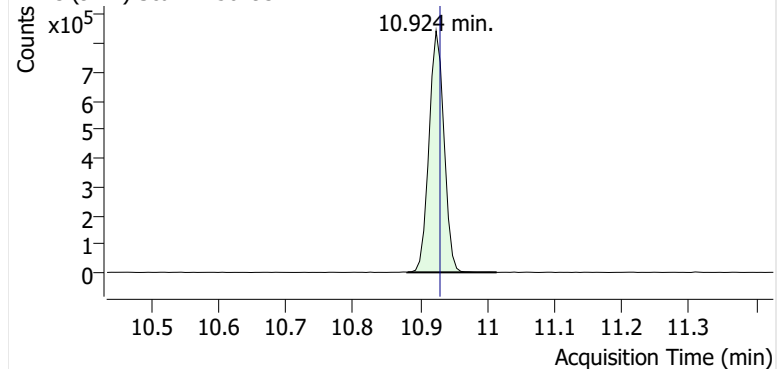
+ EIC (98.1) Scan K2501932.D



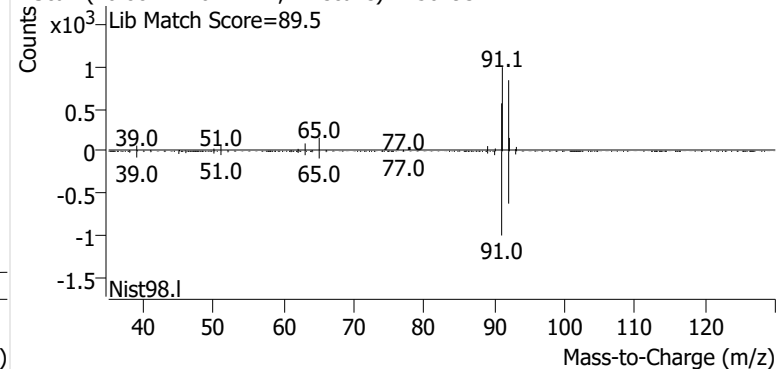
+ Scan (10.783-10.909 min, 21 scans) K2501932.D

**Toluene**

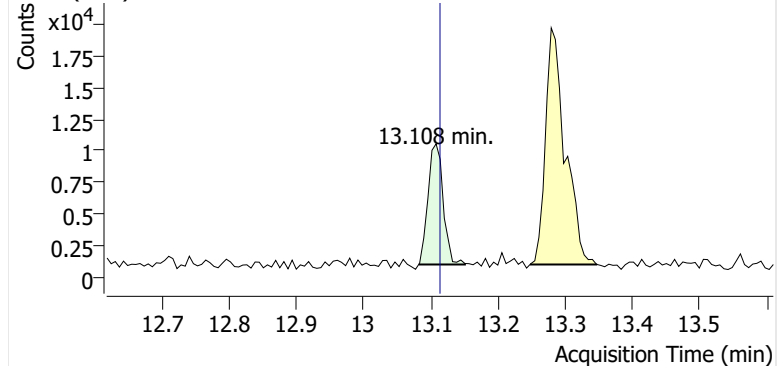
+ EIC (91.1) Scan K2501932.D



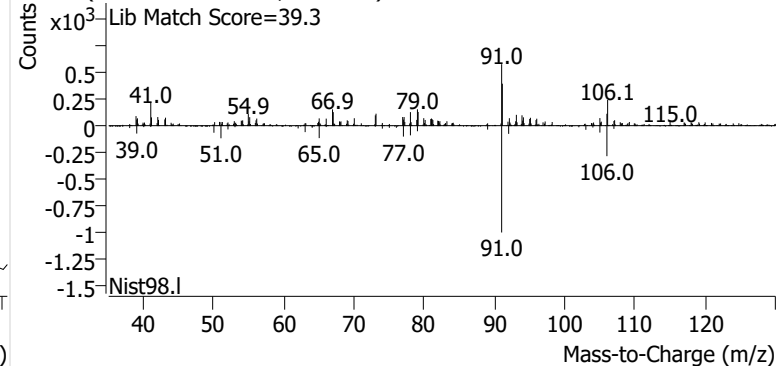
+ Scan (10.881-11.014 min, 22 scans) K2501932.D

**Ethylbenzene**

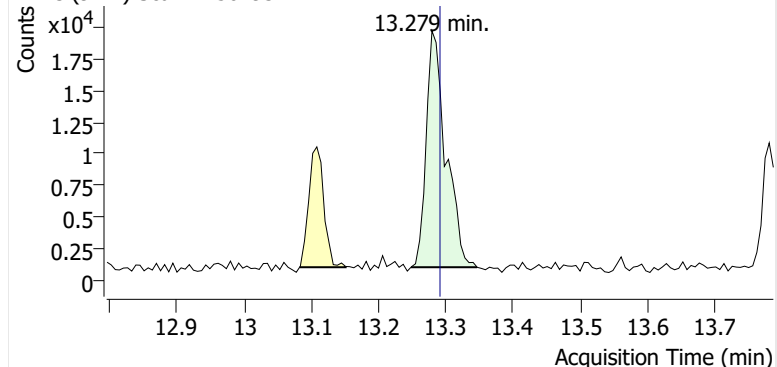
+ EIC (91.1) Scan K2501932.D



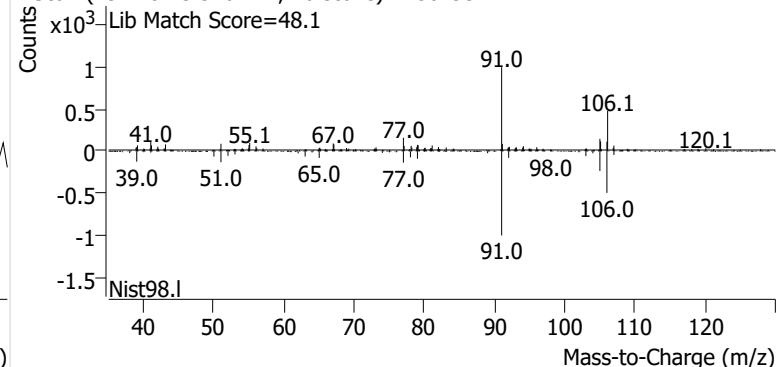
+ Scan (13.082-13.151 min, 12 scans) K2501932.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501932.D

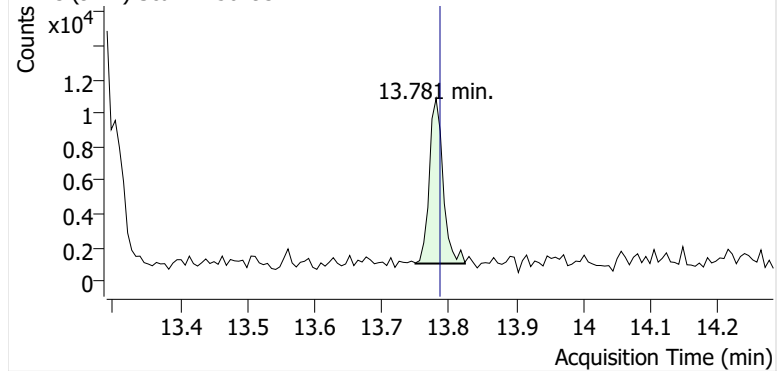


+ Scan (13.248-13.346 min, 16 scans) K2501932.D

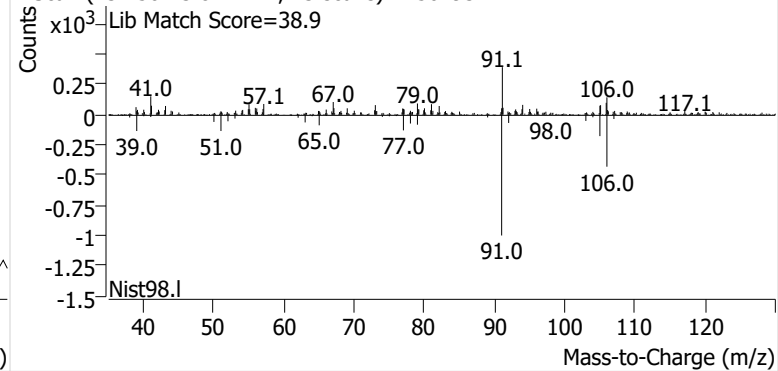


o-Xylene

+ EIC (91.1) Scan K2501932.D

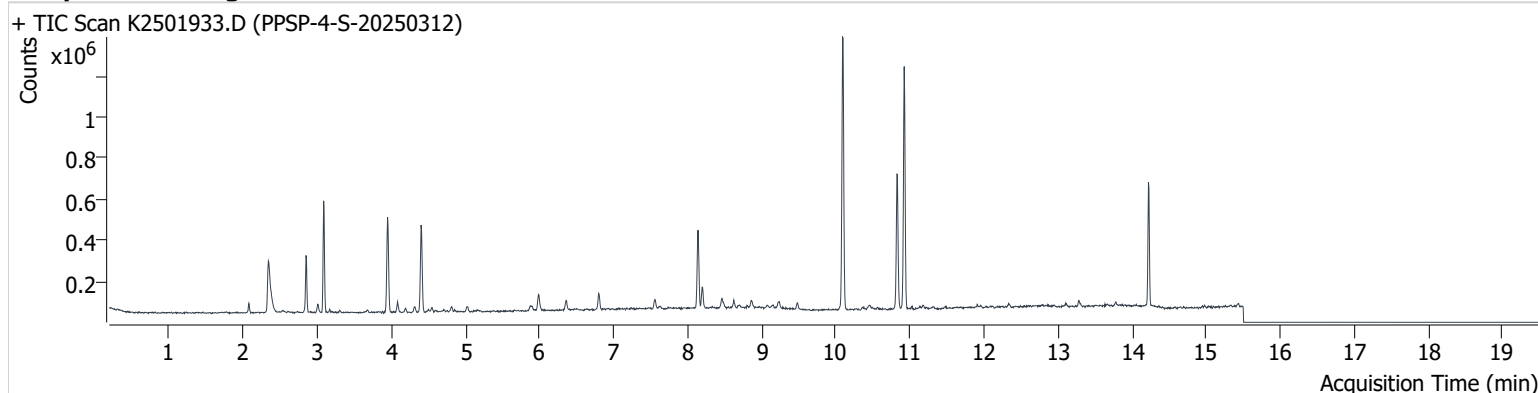


+ Scan (13.750-13.824 min, 13 scans) K2501932.D



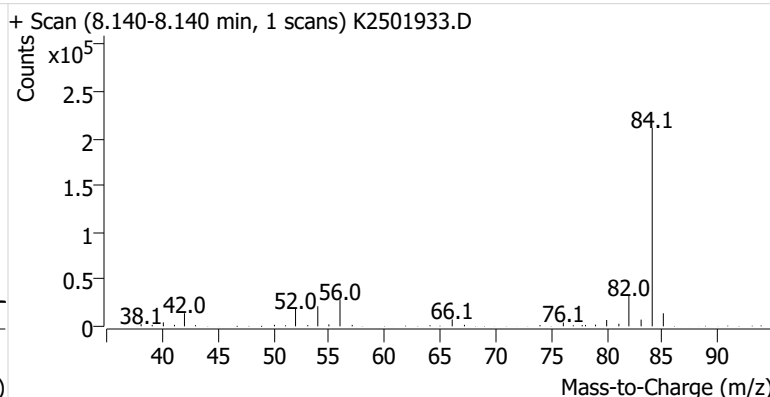
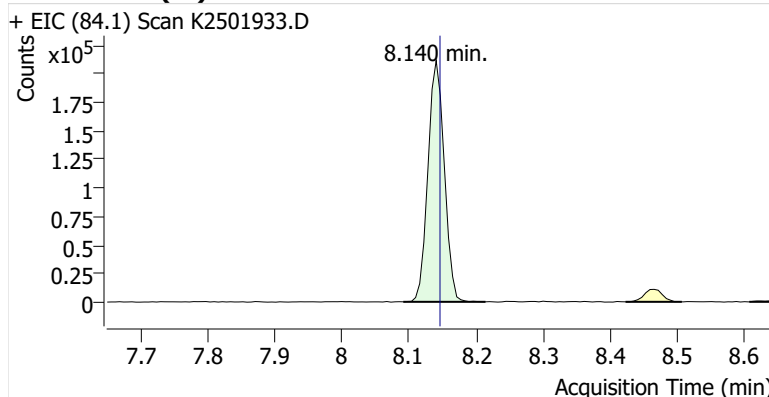
Name PPSP-4-S-20250312
Comment B43010
Data File K2501933.D
Acq. Date-Time 4/2/2025 5:30:53 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

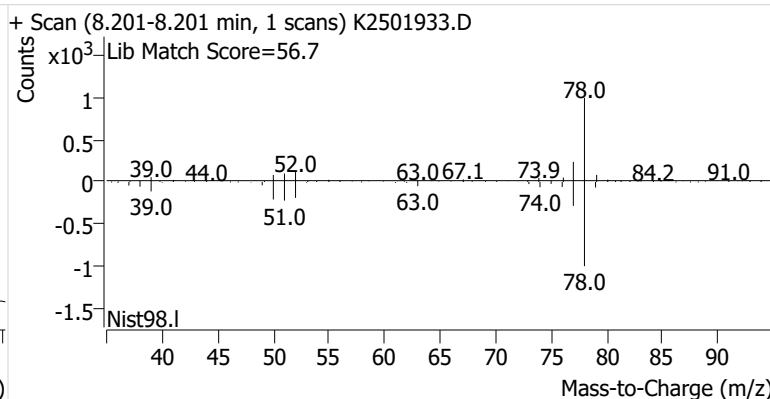
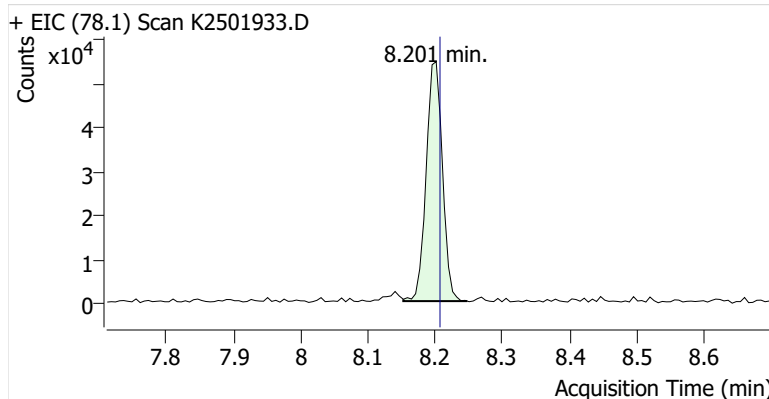


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	356,581	
Benzene	benzene-d6 (IS)	8.201	8.207	91,221	
Toluene-d8 (IS)		10.826	10.838	435,586	
Toluene	Toluene-d8 (IS)	10.924	10.930	821,045	
Ethylbenzene	Toluene-d8 (IS)	13.102	13.114	9,927	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	18,069	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	8,692	

benzene-d6 (IS)

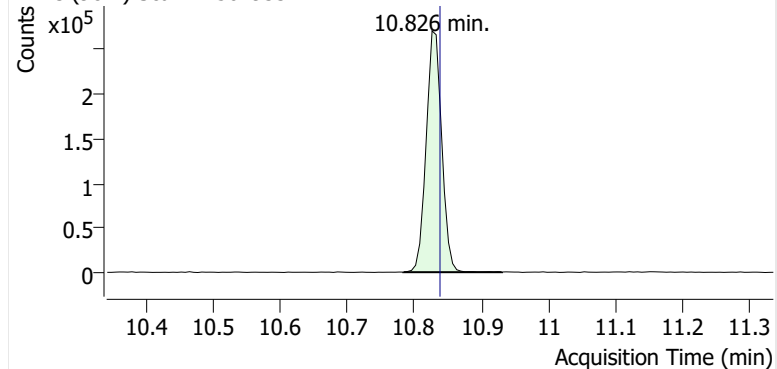


Benzene

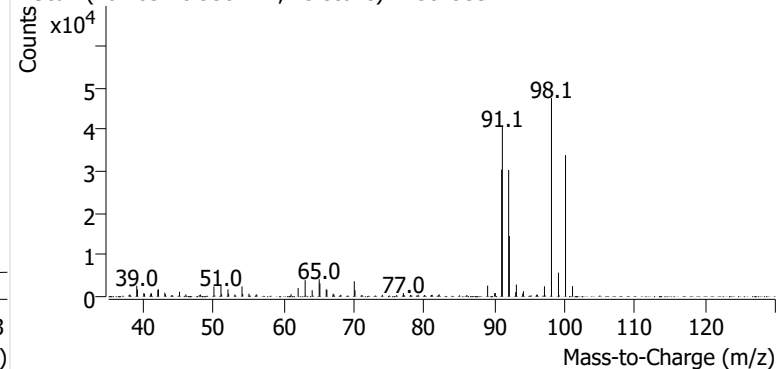


Toluene-d8 (IS)

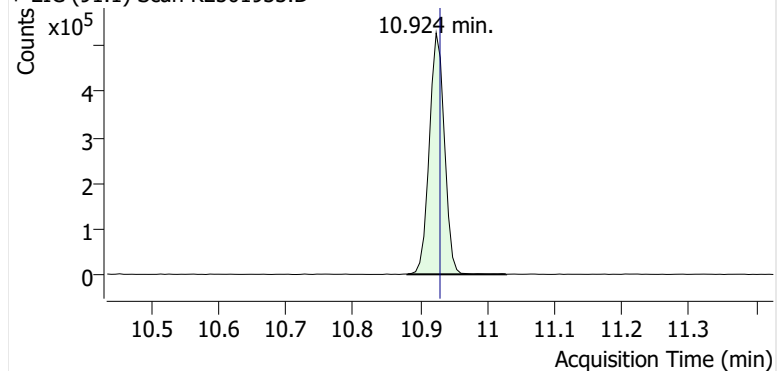
+ EIC (98.1) Scan K2501933.D



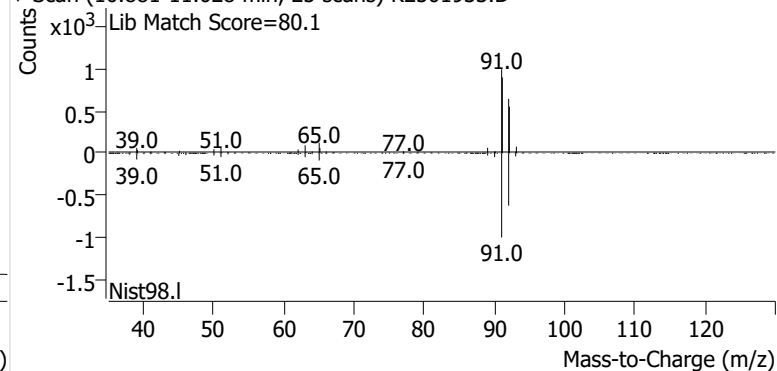
+ Scan (10.783-10.930 min, 25 scans) K2501933.D

**Toluene**

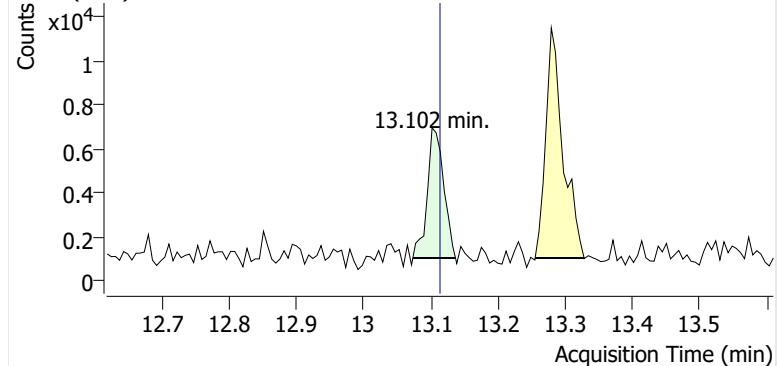
+ EIC (91.1) Scan K2501933.D



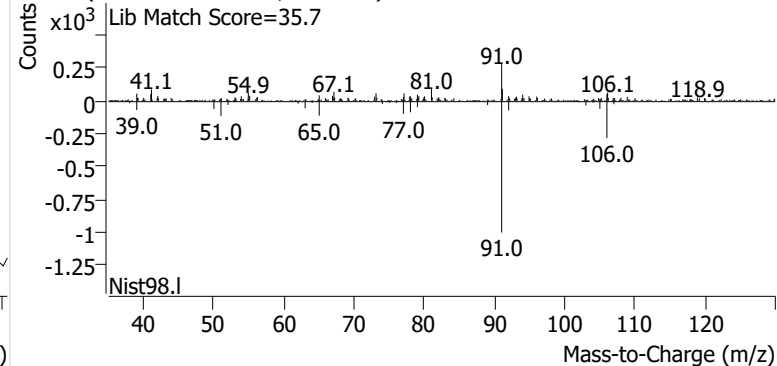
+ Scan (10.881-11.028 min, 25 scans) K2501933.D

**Ethylbenzene**

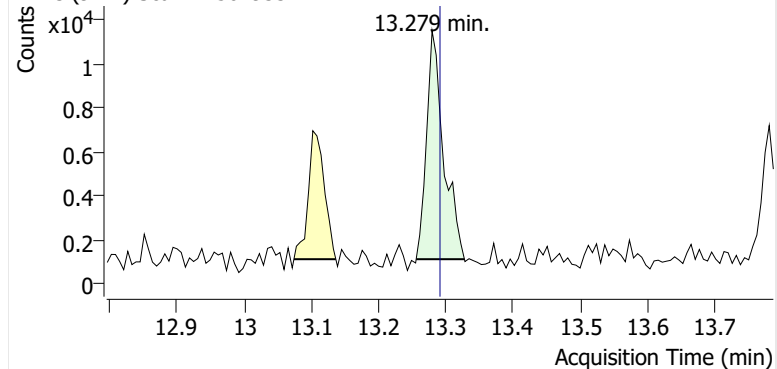
+ EIC (91.1) Scan K2501933.D



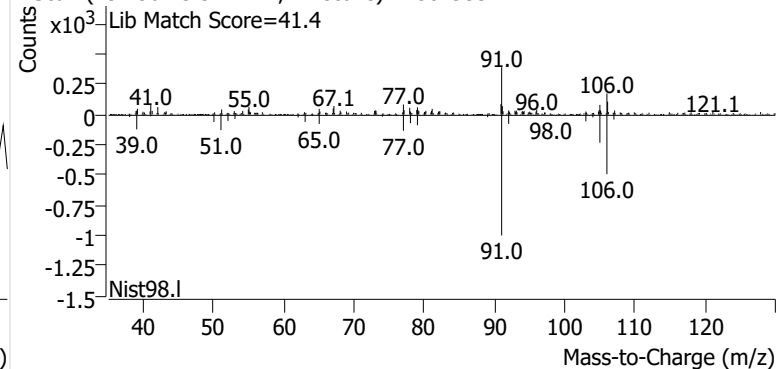
+ Scan (13.073-13.137 min, 10 scans) K2501933.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501933.D

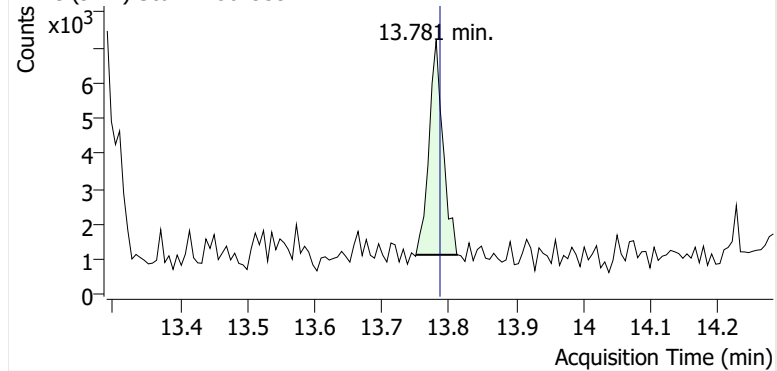


+ Scan (13.256-13.327 min, 11 scans) K2501933.D



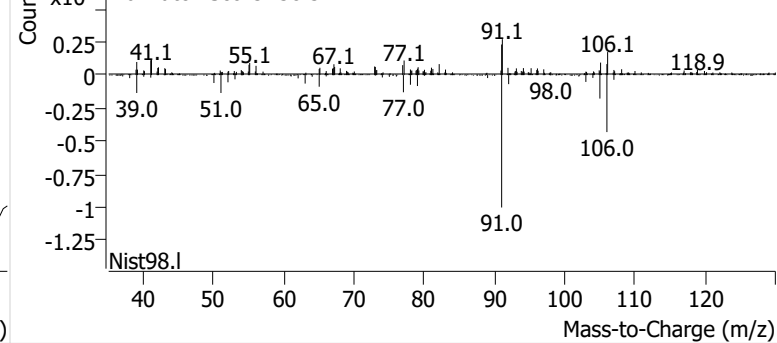
o-Xylene

+ EIC (91.1) Scan K2501933.D



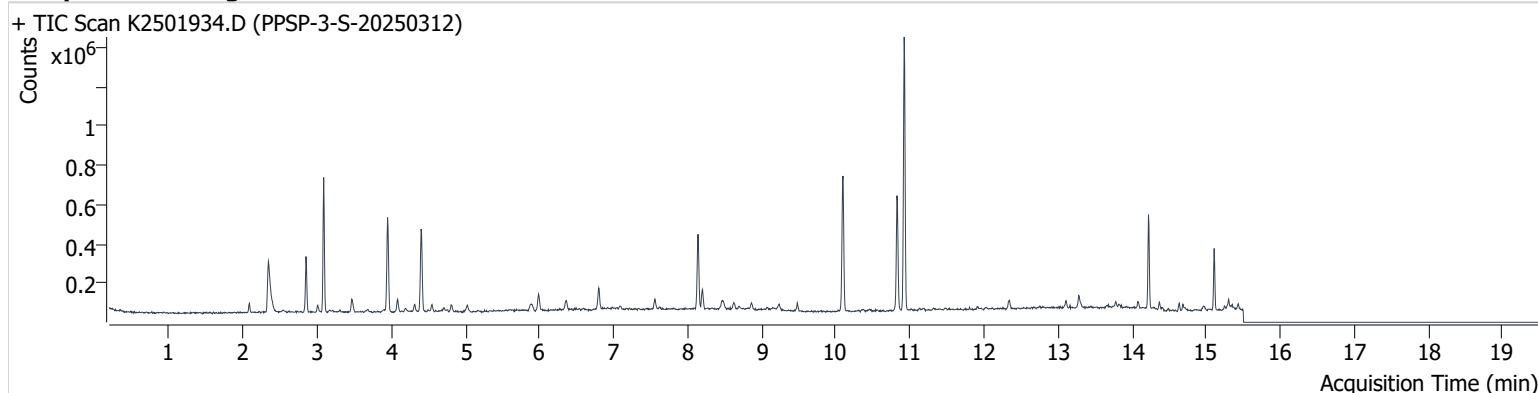
+ Scan (13.751-13.813 min, 10 scans) K2501933.D

Lib Match Score=38.3



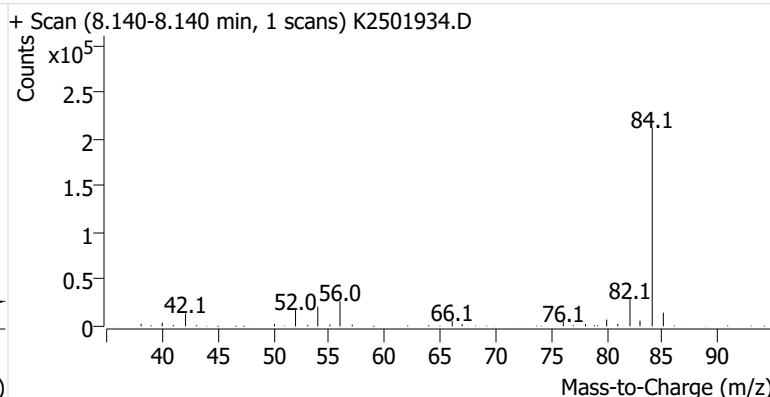
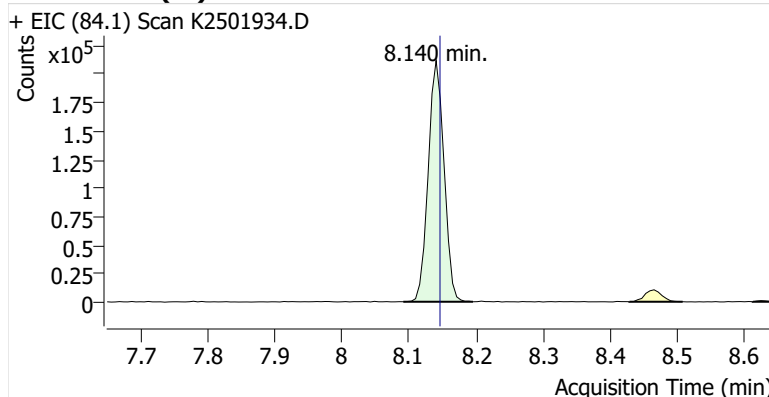
Name PPSP-3-S-20250312
Comment B14904
Data File K2501934.D
Acq. Date-Time 4/2/2025 5:58:25 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

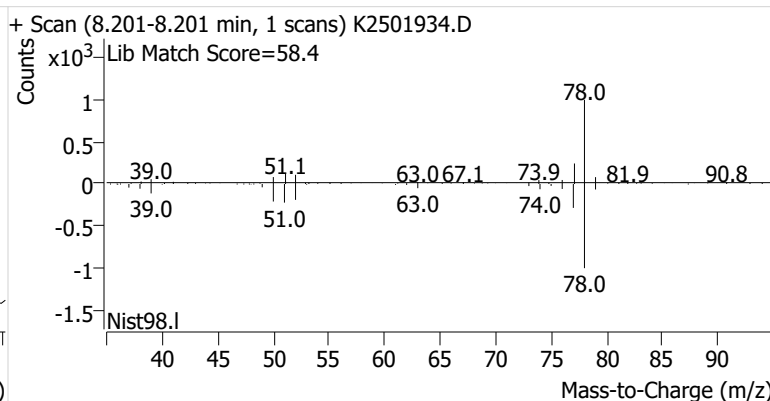
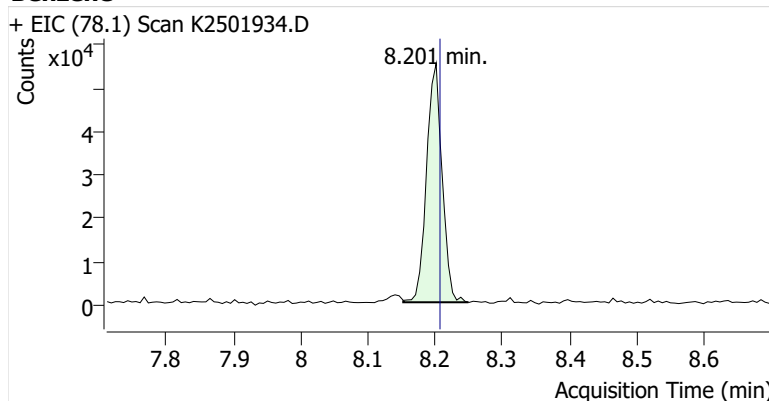


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	344,936	
Benzene	benzene-d6 (IS)	8.201	8.207	88,425	
Toluene-d8 (IS)		10.826	10.838	383,753	
Toluene	Toluene-d8 (IS)	10.924	10.930	968,355	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	25,701	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	41,567	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	14,806	

benzene-d6 (IS)

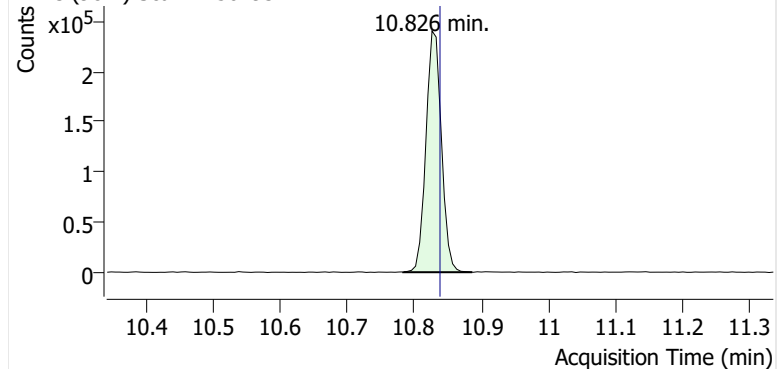


Benzene

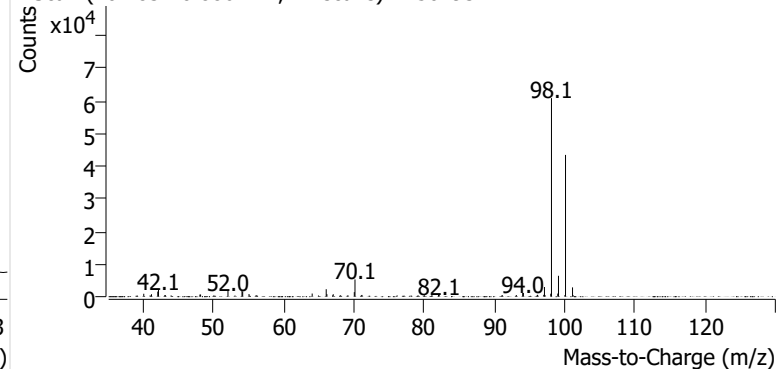


Toluene-d8 (IS)

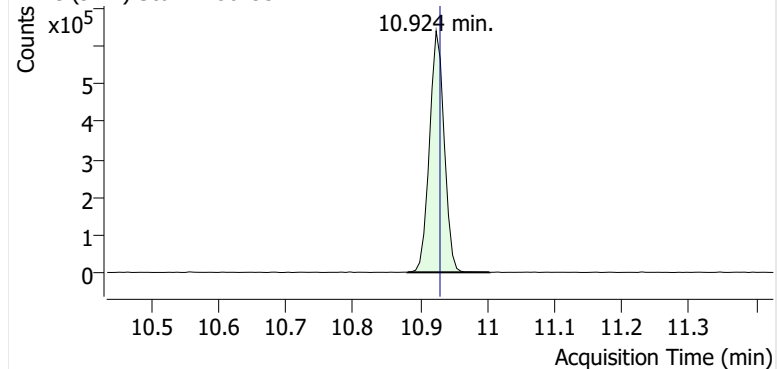
+ EIC (98.1) Scan K2501934.D



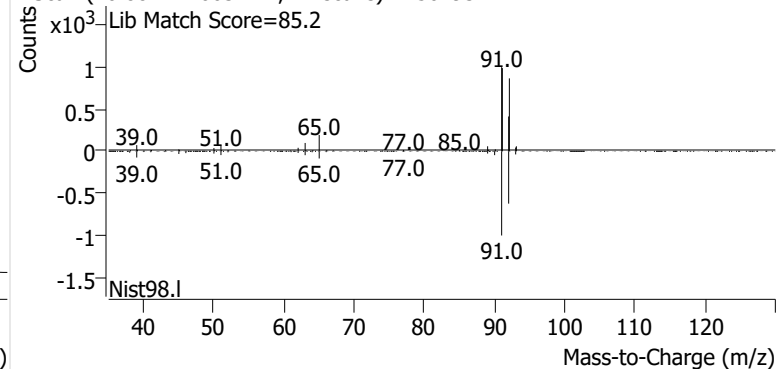
+ Scan (10.783-10.886 min, 17 scans) K2501934.D

**Toluene**

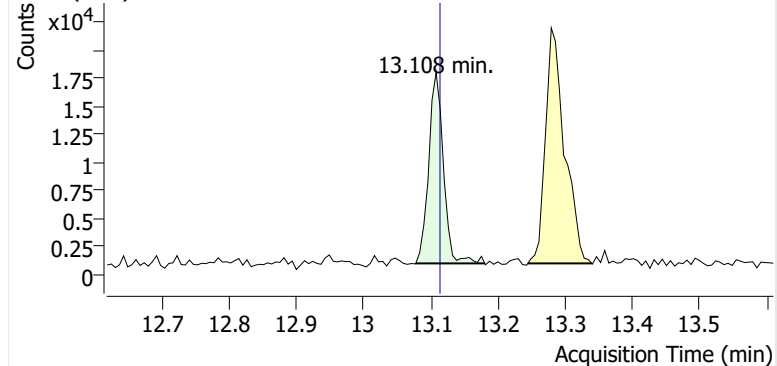
+ EIC (91.1) Scan K2501934.D



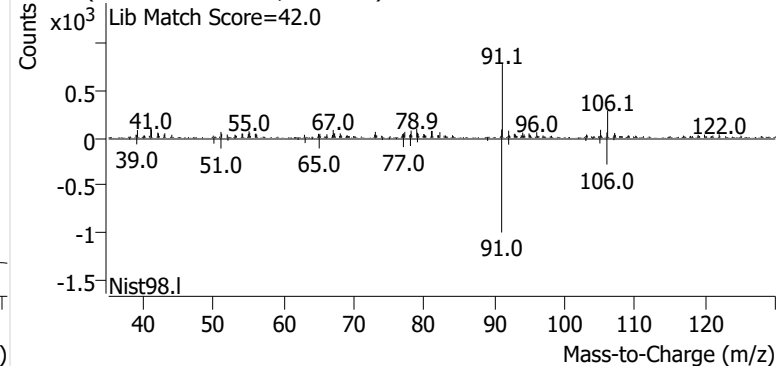
+ Scan (10.881-11.003 min, 21 scans) K2501934.D

**Ethylbenzene**

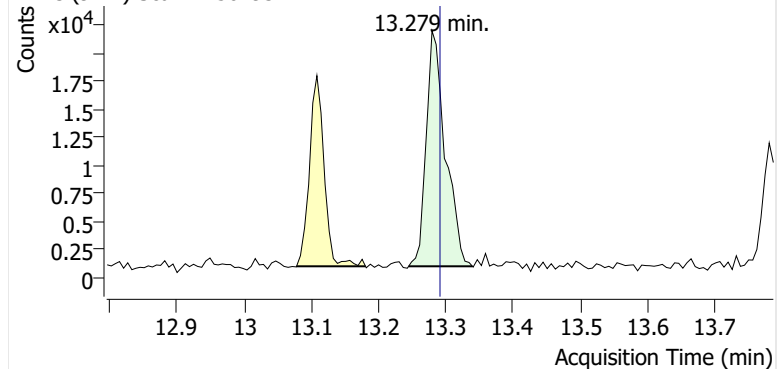
+ EIC (91.1) Scan K2501934.D



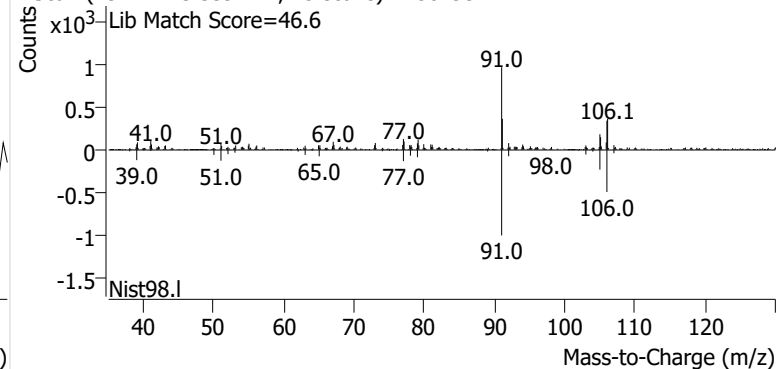
+ Scan (13.078-13.180 min, 16 scans) K2501934.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501934.D

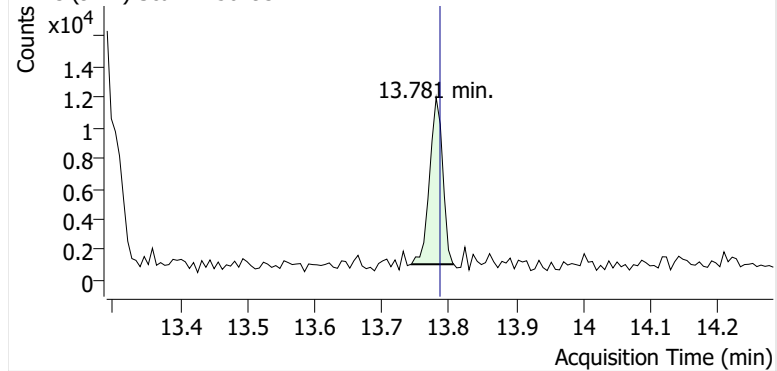


+ Scan (13.244-13.339 min, 15 scans) K2501934.D

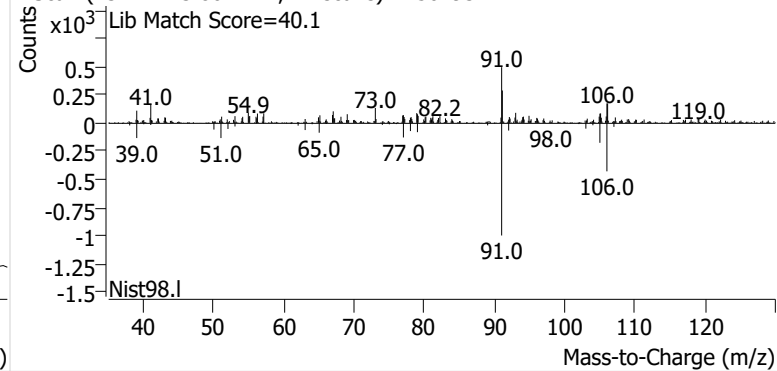


o-Xylene

+ EIC (91.1) Scan K2501934.D

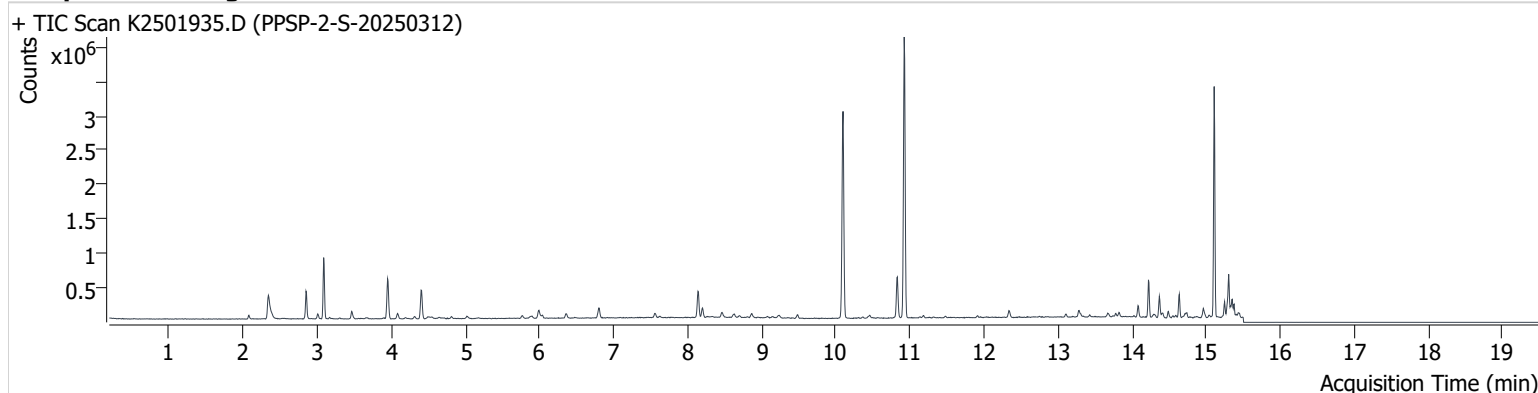


+ Scan (13.744-13.807 min, 11 scans) K2501934.D



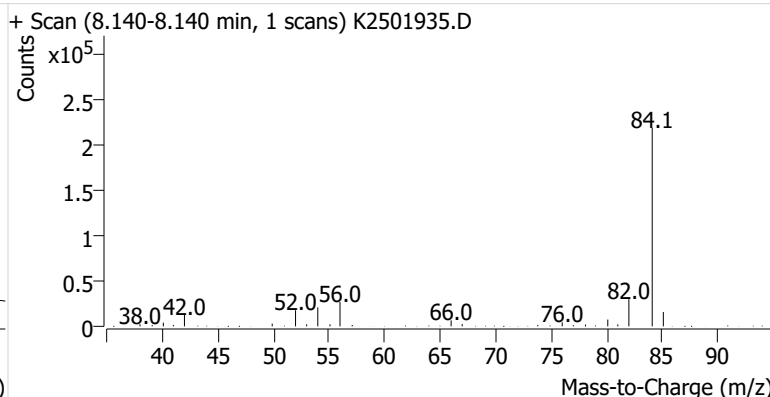
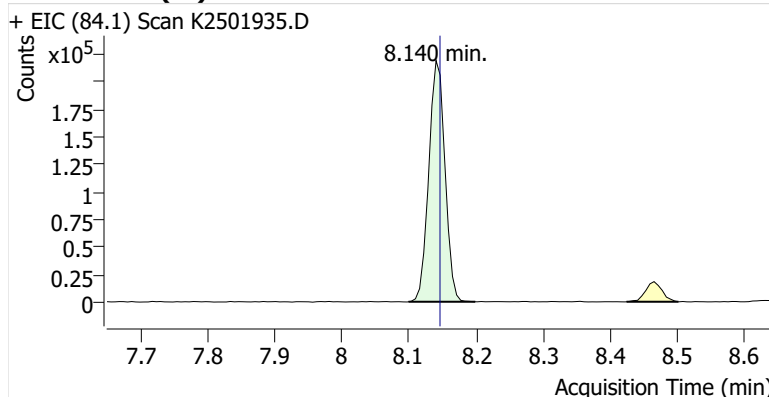
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Comment C56797
Data File K2501935.D
Acq. Date-Time 4/2/2025 6:26:03 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

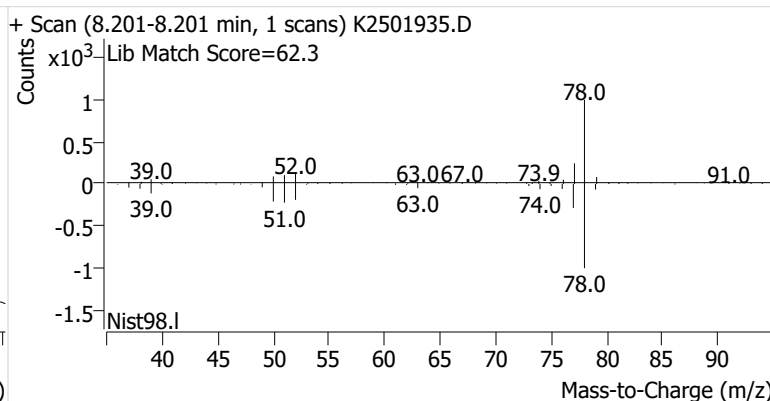
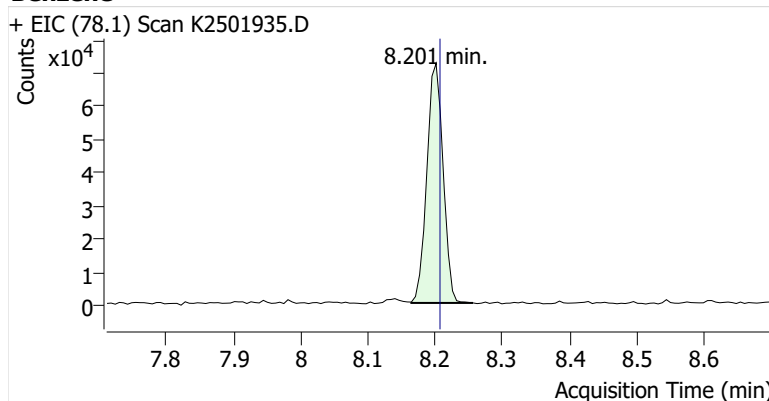


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	364,806	
Benzene	benzene-d6 (IS)	8.201	8.207	121,198	
Toluene-d8 (IS)		10.826	10.838	392,455	
Toluene	Toluene-d8 (IS)	10.924	10.930	2,838,737	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	26,994	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.291	73,456	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	25,358	

benzene-d6 (IS)

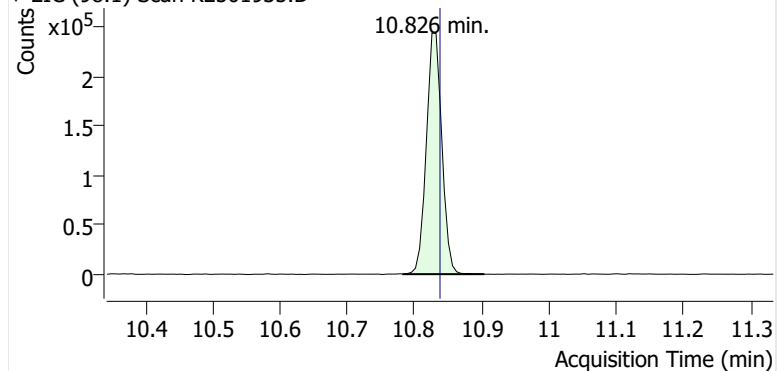


Benzene

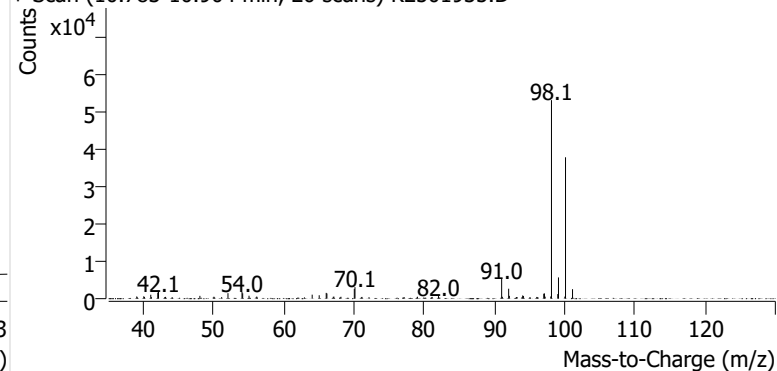


Toluene-d8 (IS)

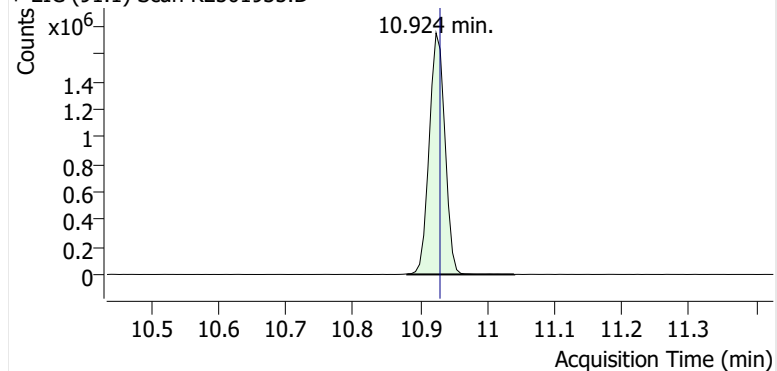
+ EIC (98.1) Scan K2501935.D



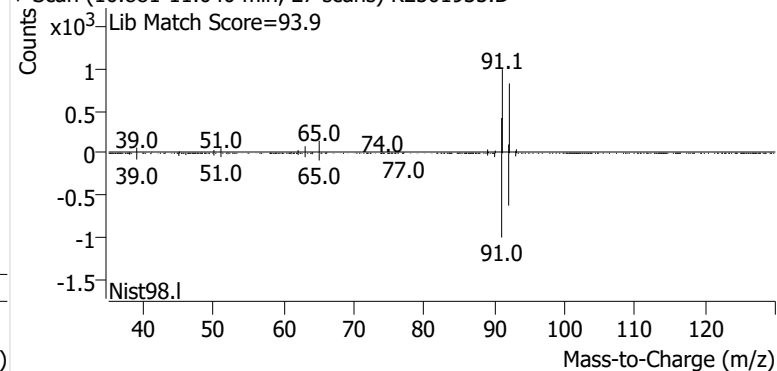
+ Scan (10.783-10.904 min, 20 scans) K2501935.D

**Toluene**

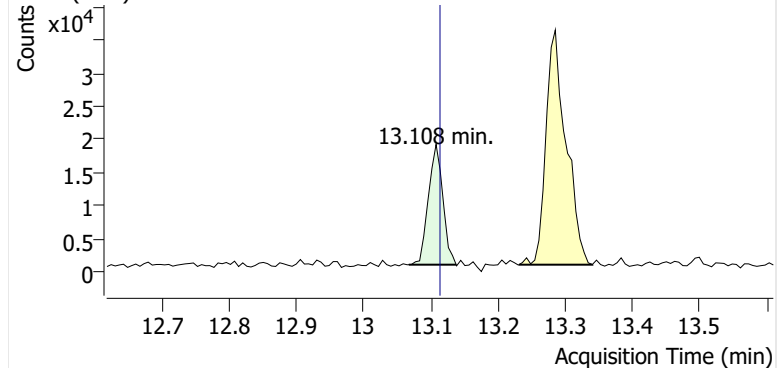
+ EIC (91.1) Scan K2501935.D



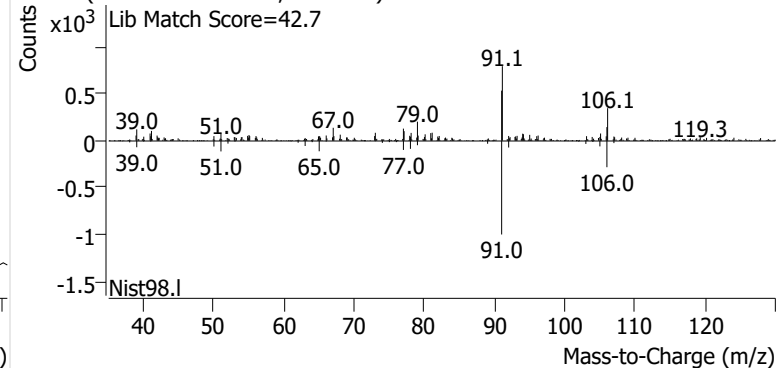
+ Scan (10.881-11.040 min, 27 scans) K2501935.D

**Ethylbenzene**

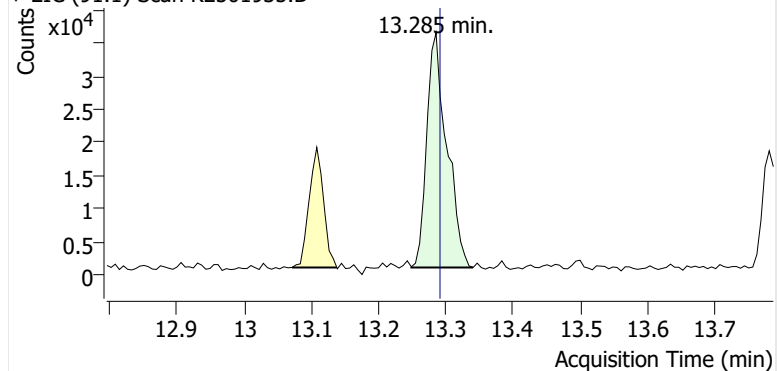
+ EIC (91.1) Scan K2501935.D



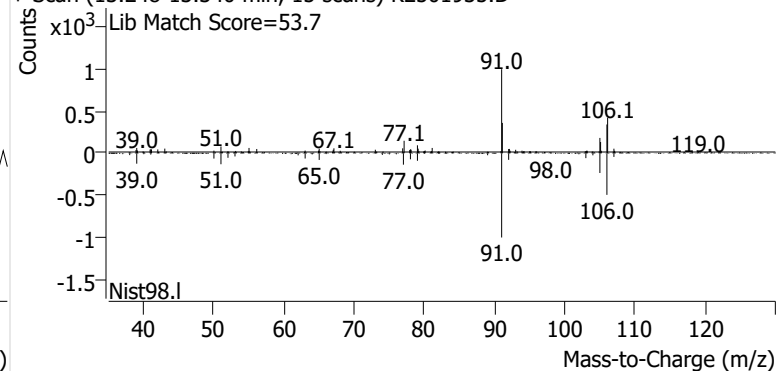
+ Scan (13.067-13.138 min, 11 scans) K2501935.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501935.D

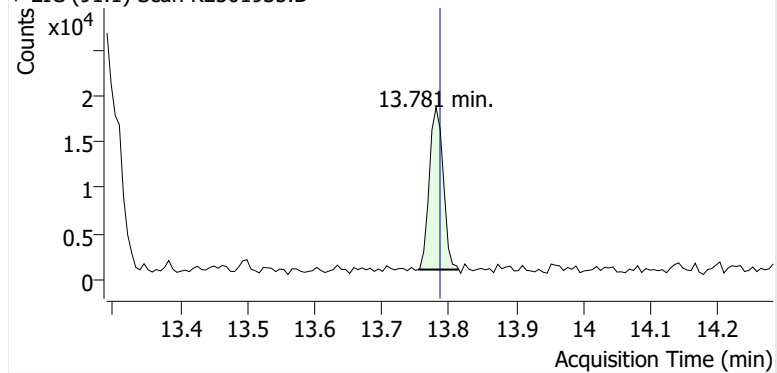


+ Scan (13.248-13.340 min, 15 scans) K2501935.D

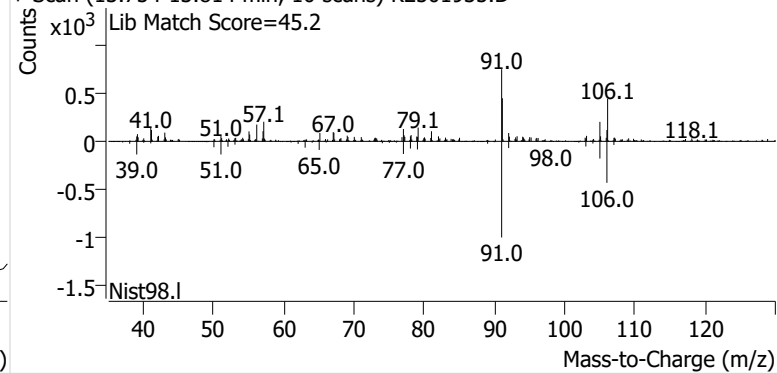


o-Xylene

+ EIC (91.1) Scan K2501935.D

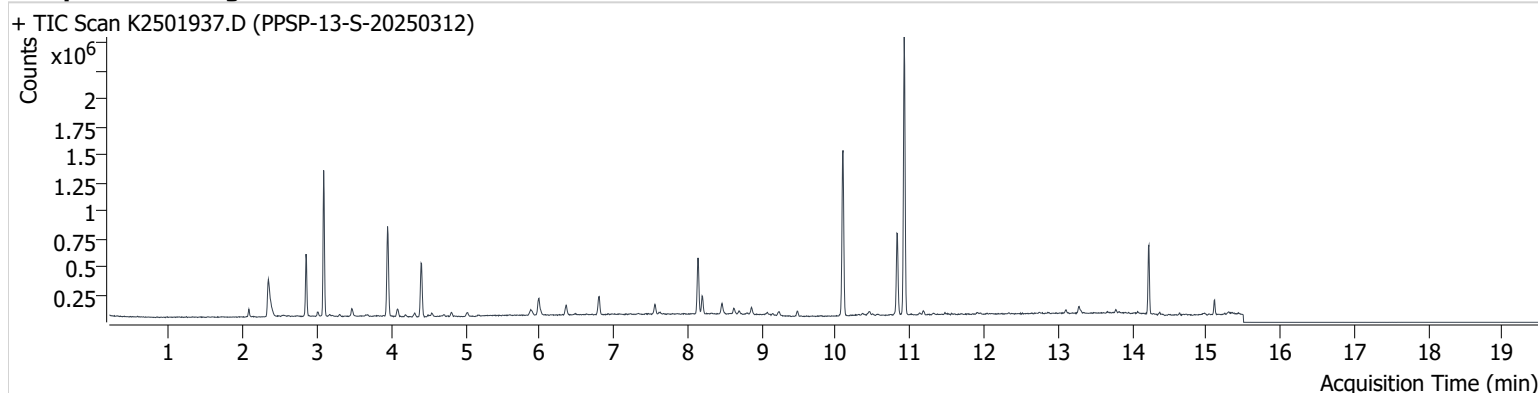


+ Scan (13.754-13.814 min, 10 scans) K2501935.D



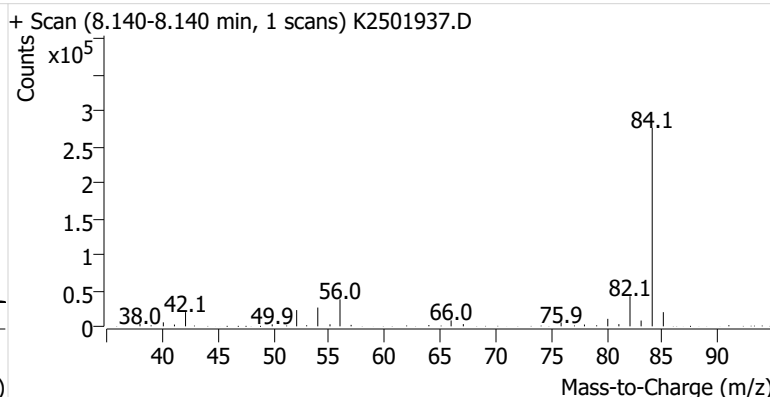
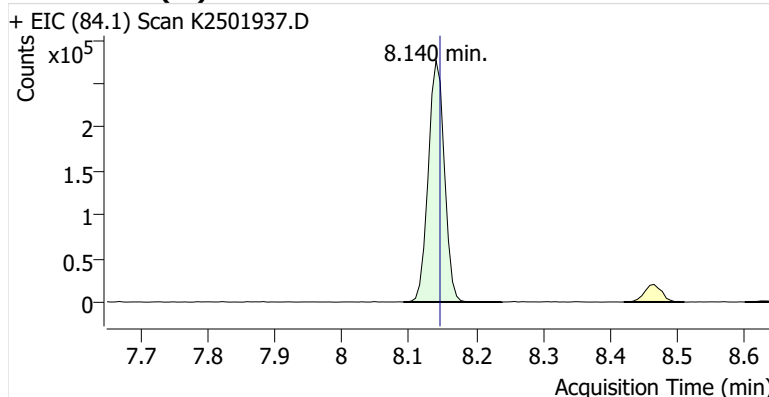
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Comment C40547
Data File K2501937.D
Acq. Date-Time 4/2/2025 7:22:07 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

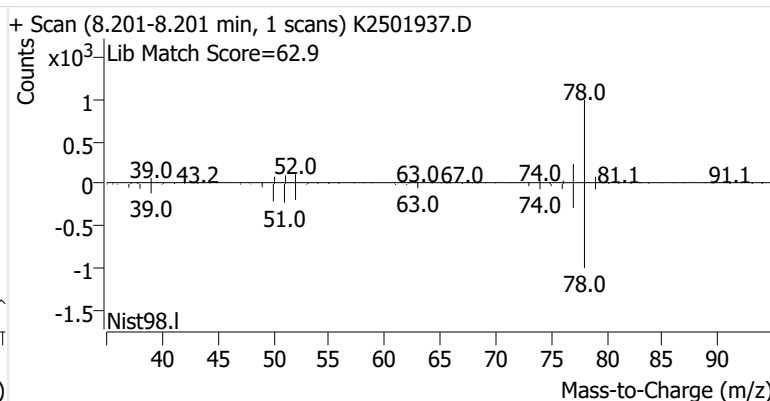
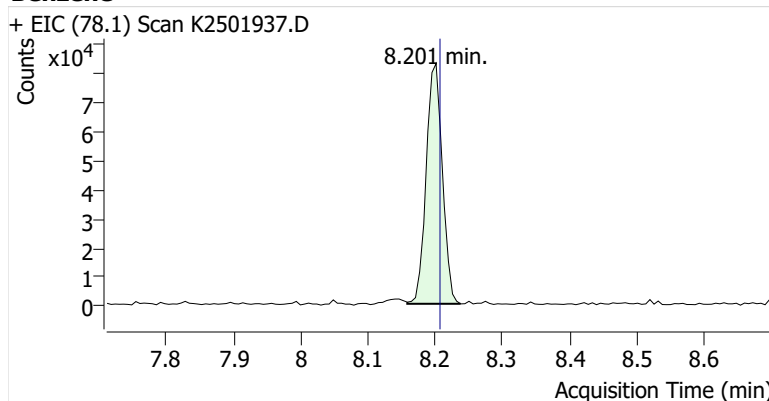


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	459,463	
Benzene	benzene-d6 (IS)	8.201	8.207	138,015	
Toluene-d8 (IS)		10.826	10.838	485,076	
Toluene	Toluene-d8 (IS)	10.924	10.930	1,724,225	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	21,208	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	43,022	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	14,472	

benzene-d6 (IS)

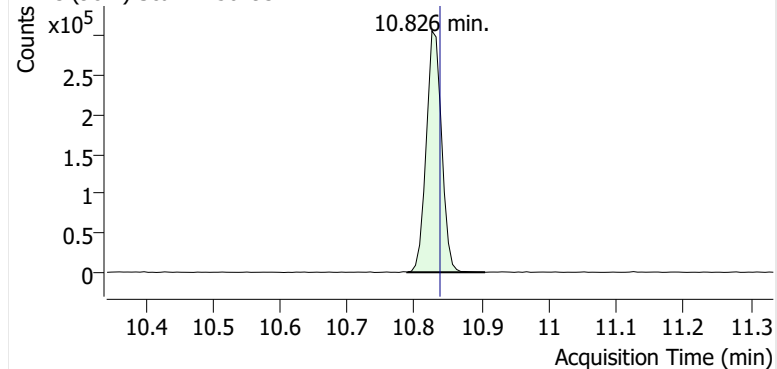


Benzene

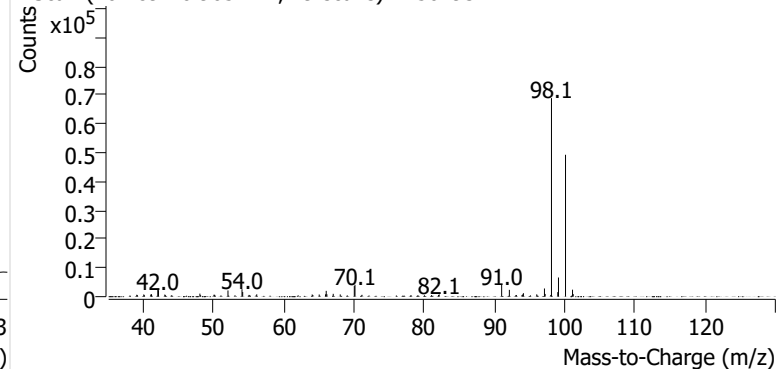


Toluene-d8 (IS)

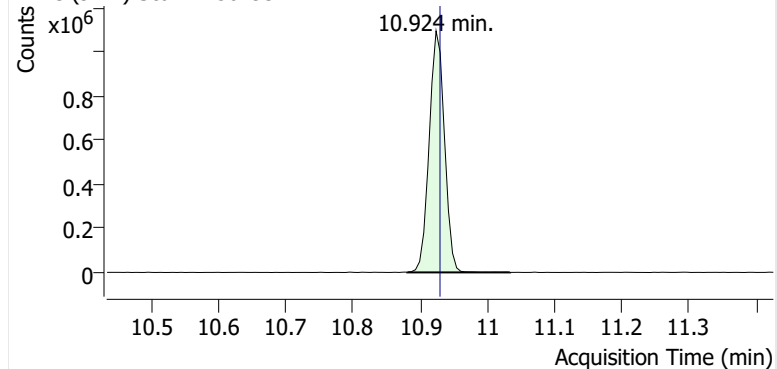
+ EIC (98.1) Scan K2501937.D



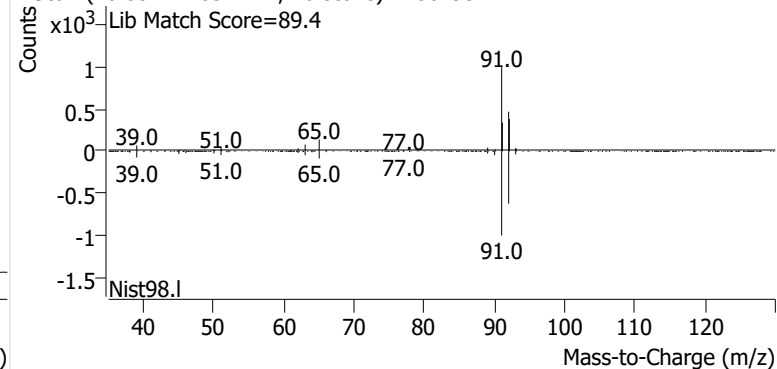
+ Scan (10.789-10.905 min, 19 scans) K2501937.D

**Toluene**

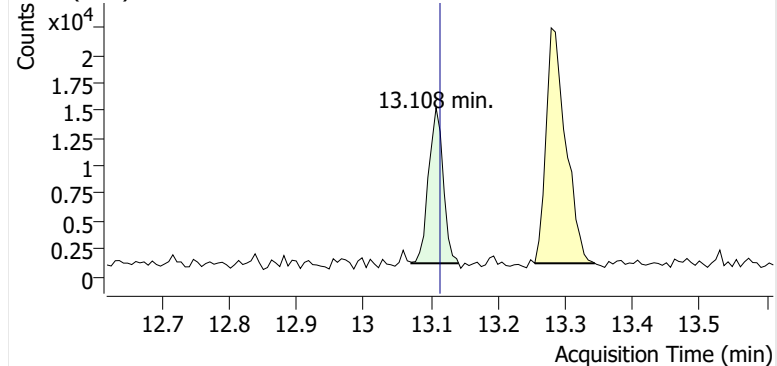
+ EIC (91.1) Scan K2501937.D



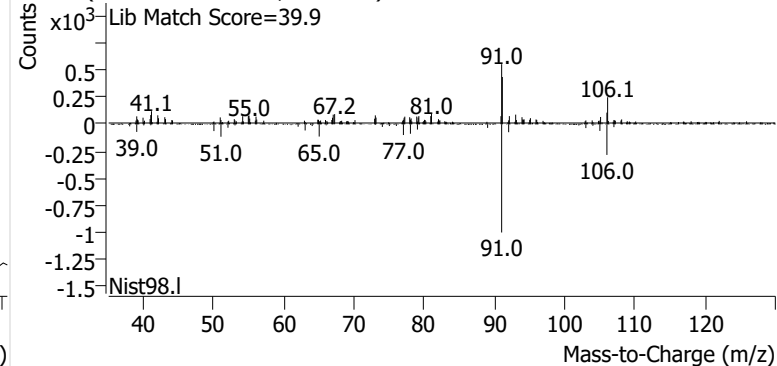
+ Scan (10.881-11.034 min, 26 scans) K2501937.D

**Ethylbenzene**

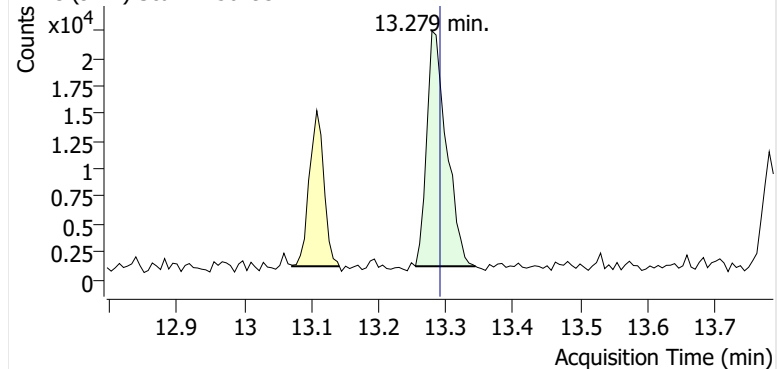
+ EIC (91.1) Scan K2501937.D



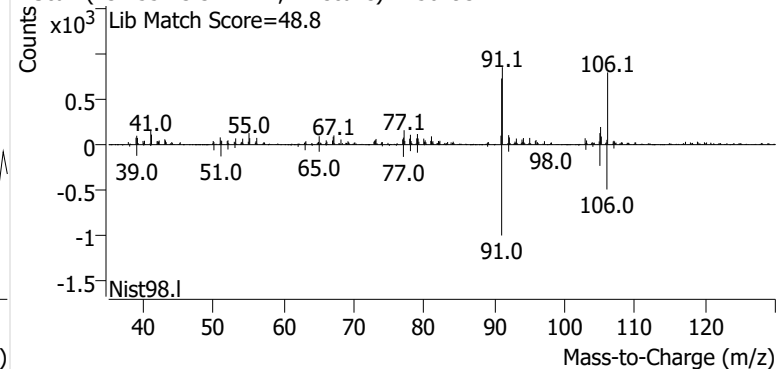
+ Scan (13.071-13.141 min, 12 scans) K2501937.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501937.D

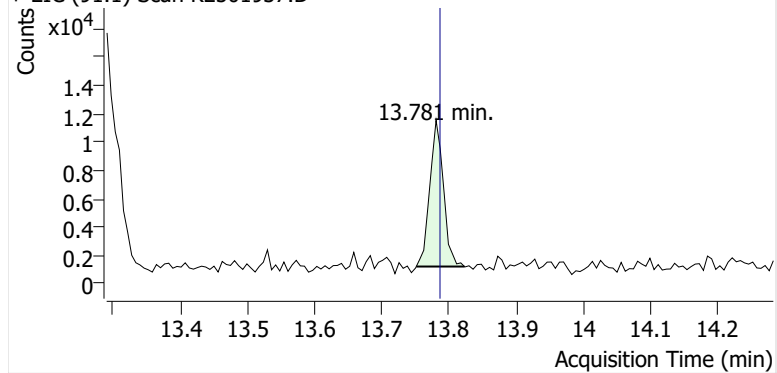


+ Scan (13.255-13.344 min, 14 scans) K2501937.D

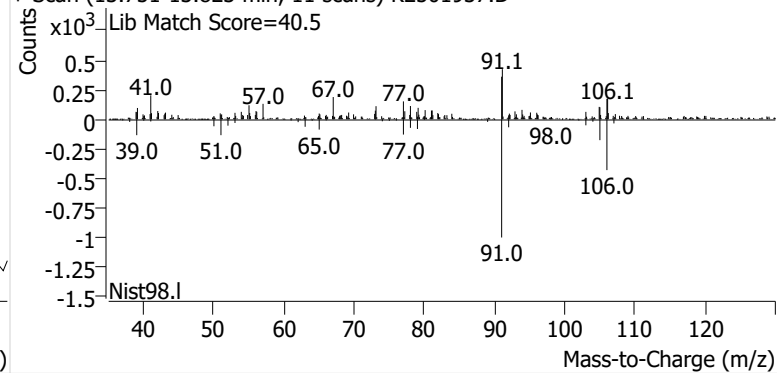


o-Xylene

+ EIC (91.1) Scan K2501937.D

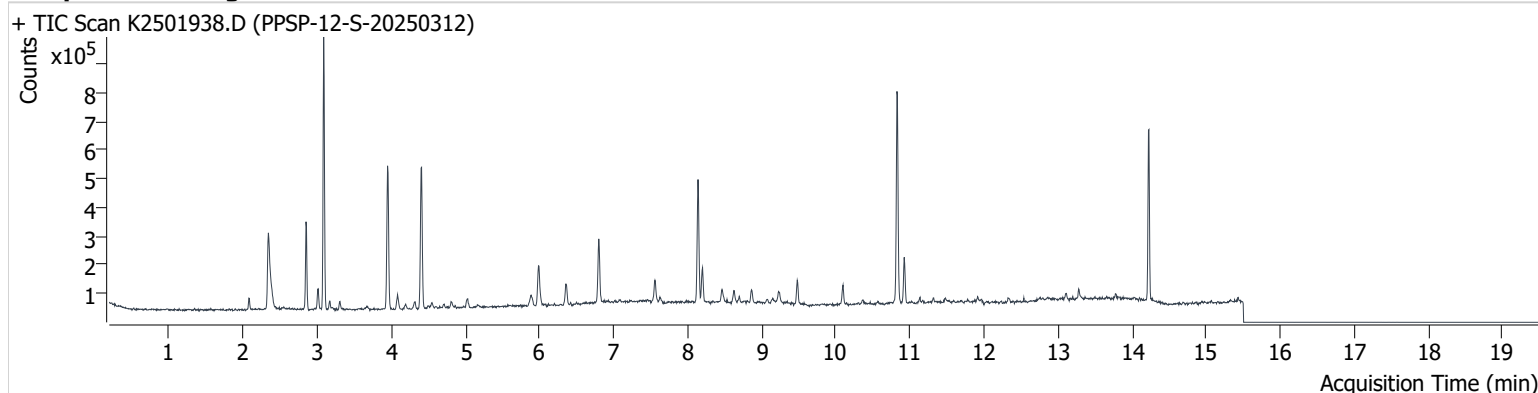


+ Scan (13.751-13.823 min, 11 scans) K2501937.D



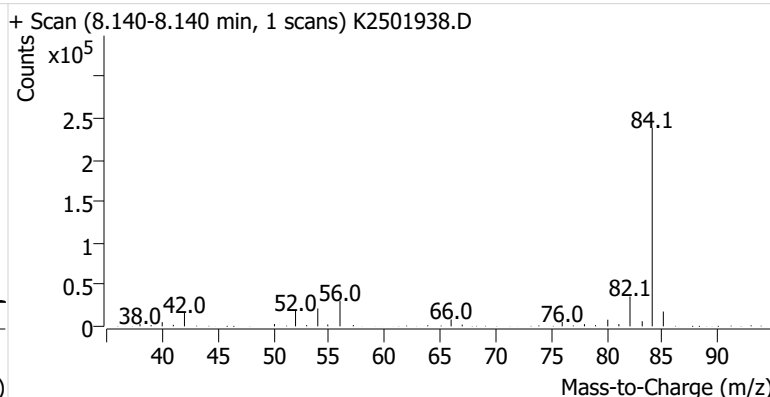
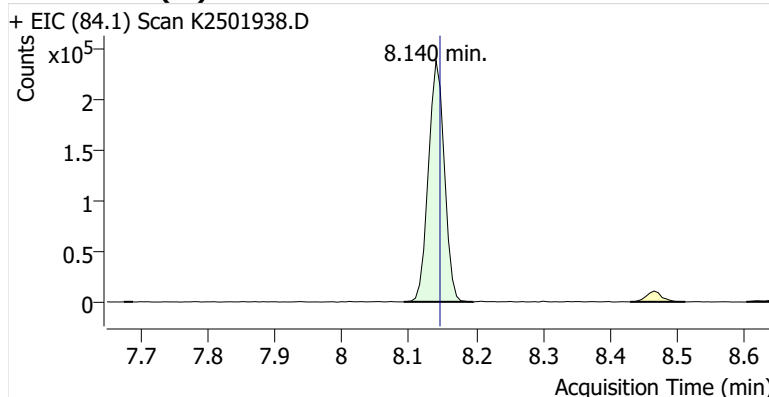
Name PPSP-12-S-20250312
Comment B51060
Data File K2501938.D
Acq. Date-Time 4/2/2025 7:49:41 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

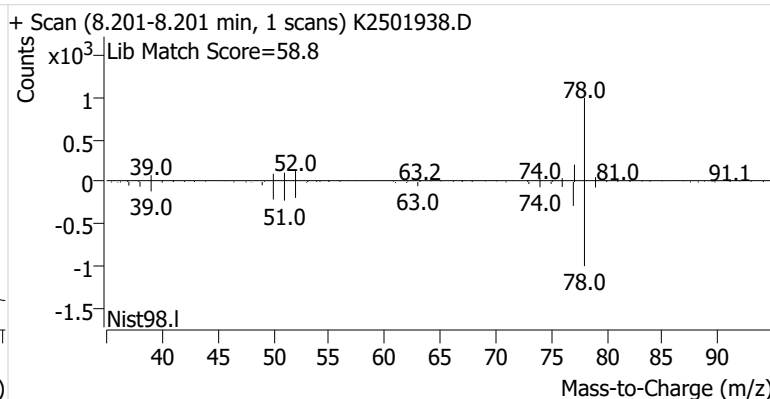
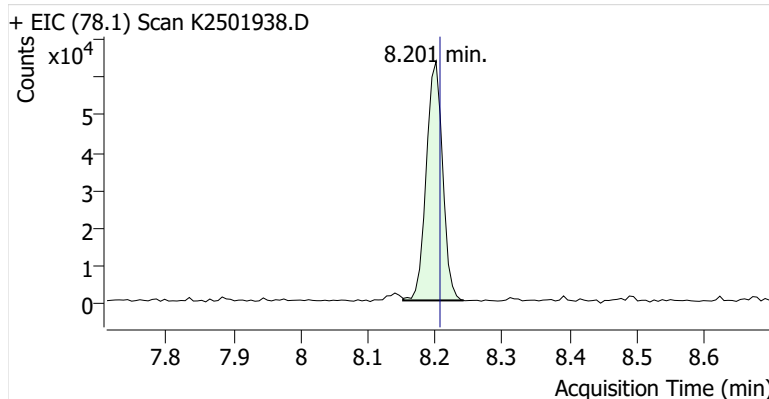


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	391,244	
Benzene	benzene-d6 (IS)	8.201	8.207	107,026	
Toluene-d8 (IS)		10.826	10.838	483,517	
Toluene	Toluene-d8 (IS)	10.924	10.930	101,989	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	11,766	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	21,373	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	8,112	

benzene-d6 (IS)

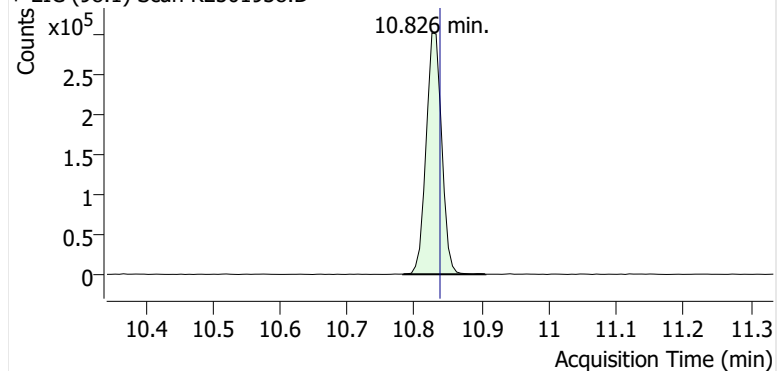


Benzene

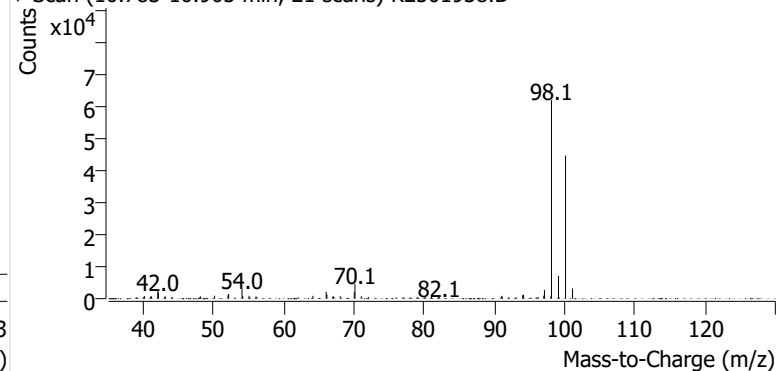


Toluene-d8 (IS)

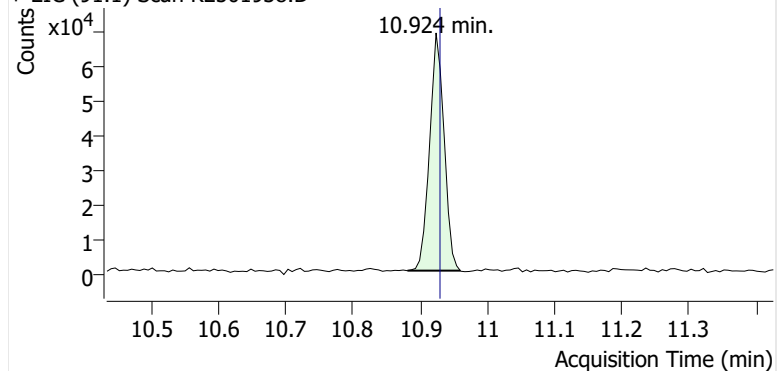
+ EIC (98.1) Scan K2501938.D



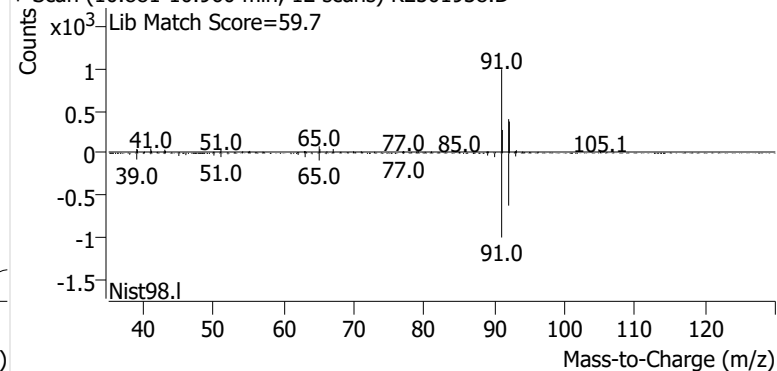
+ Scan (10.783-10.905 min, 21 scans) K2501938.D

**Toluene**

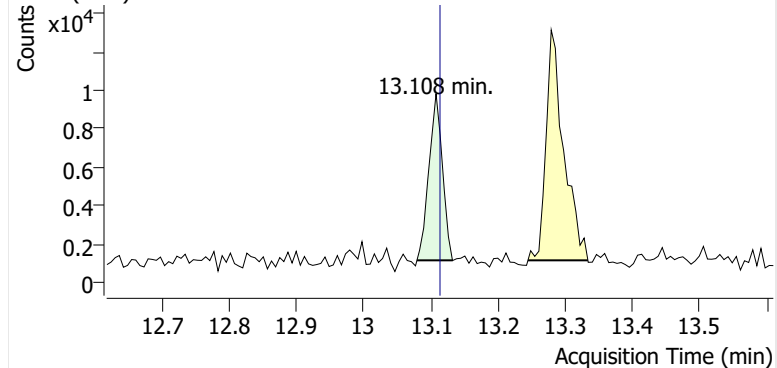
+ EIC (91.1) Scan K2501938.D



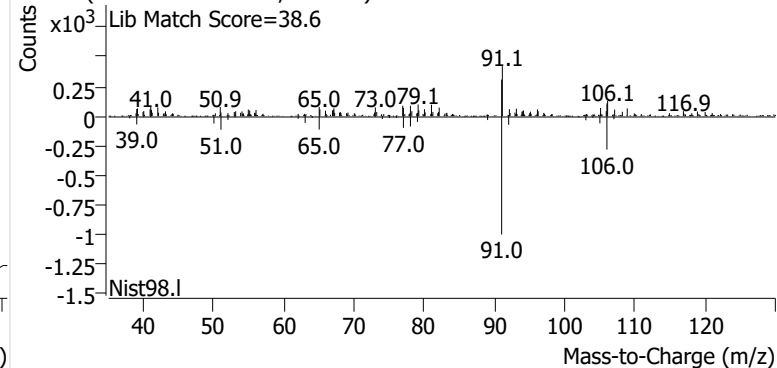
+ Scan (10.881-10.960 min, 12 scans) K2501938.D

**Ethylbenzene**

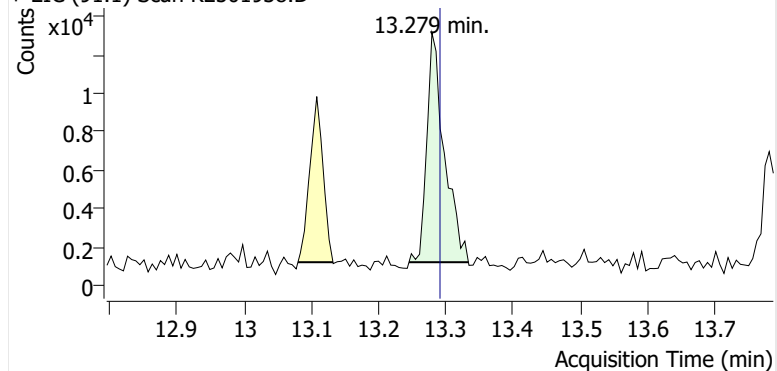
+ EIC (91.1) Scan K2501938.D



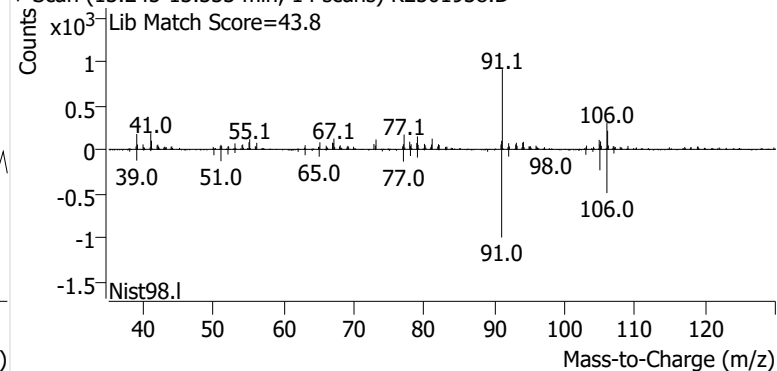
+ Scan (13.079-13.132 min, 8 scans) K2501938.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501938.D

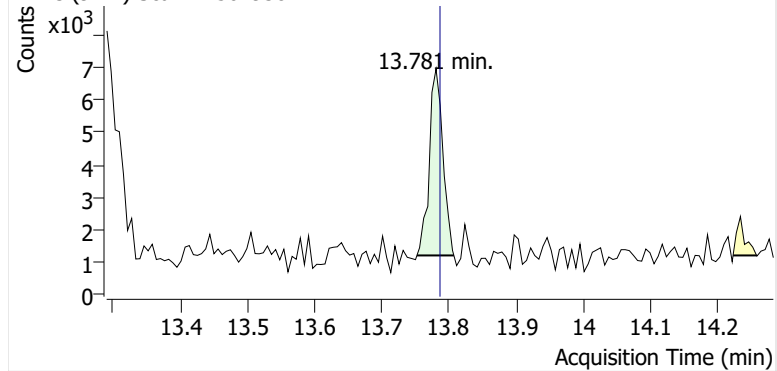


+ Scan (13.245-13.333 min, 14 scans) K2501938.D



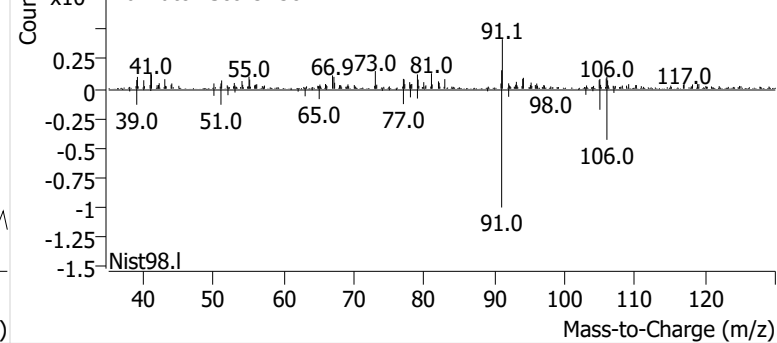
o-Xylene

+ EIC (91.1) Scan K2501938.D



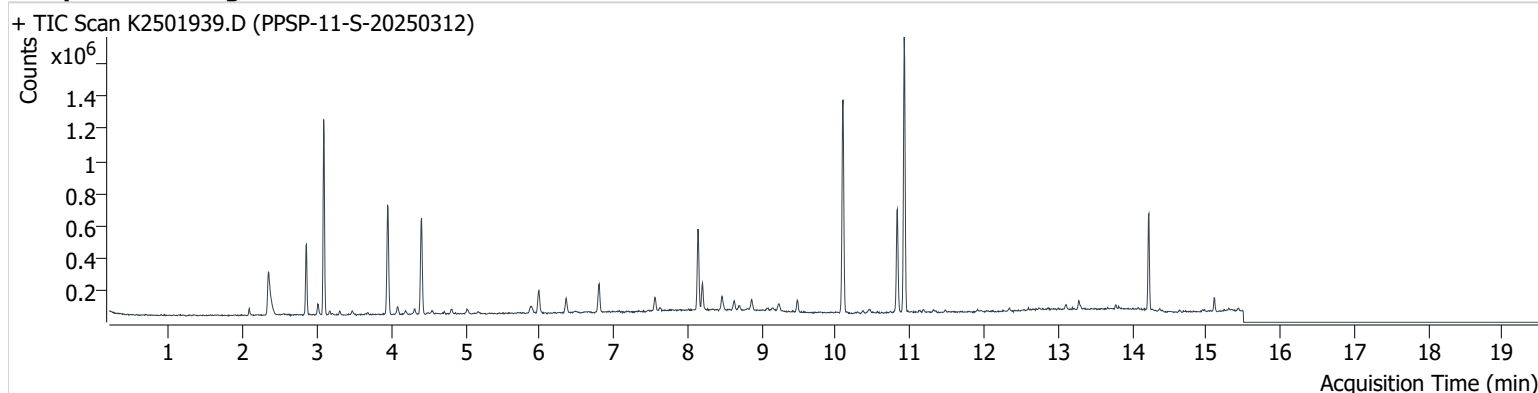
+ Scan (13.752-13.807 min, 9 scans) K2501938.D

Lib Match Score=38.4



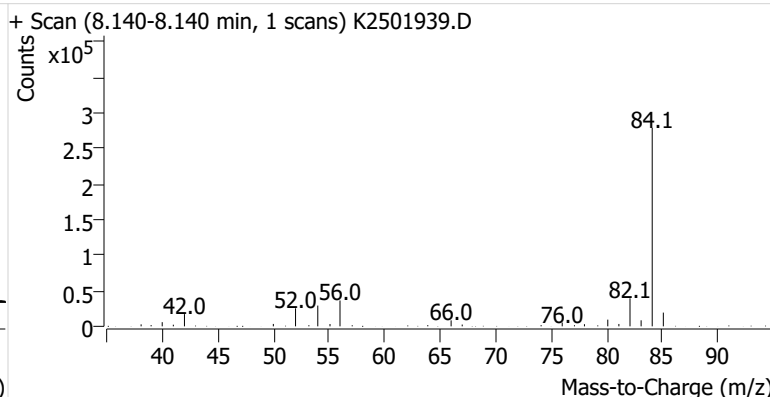
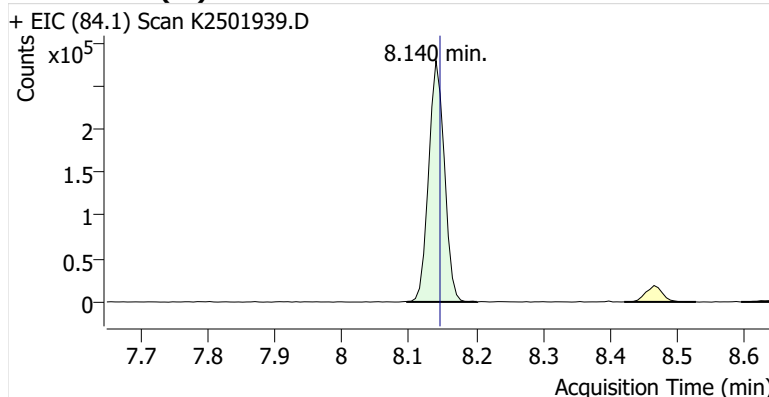
Name PPSP-11-S-20250312
Comment B52872
Data File K2501939.D
Acq. Date-Time 4/2/2025 8:17:16 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

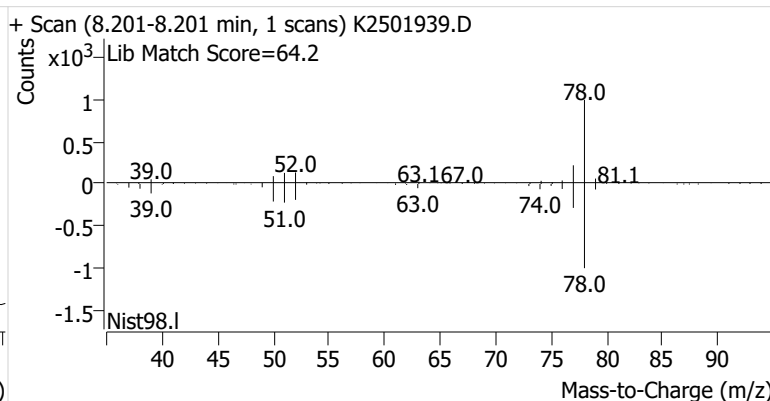
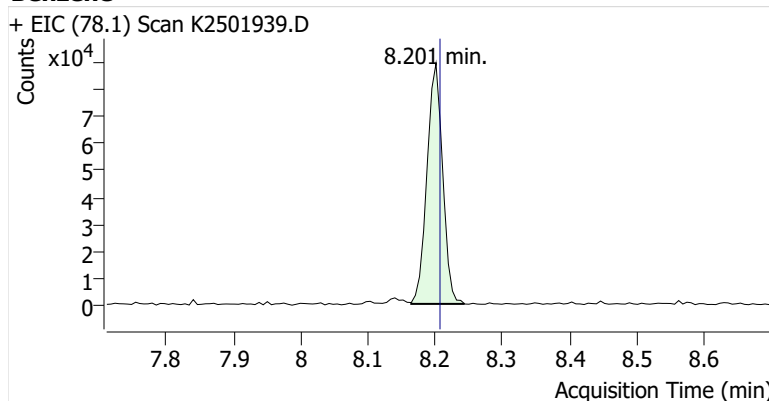


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	452,619	
Benzene	benzene-d6 (IS)	8.201	8.207	143,374	
Toluene-d8 (IS)		10.832	10.838	425,254	
Toluene	Toluene-d8 (IS)	10.924	10.930	1,193,838	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	20,236	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	36,152	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	12,243	

benzene-d6 (IS)

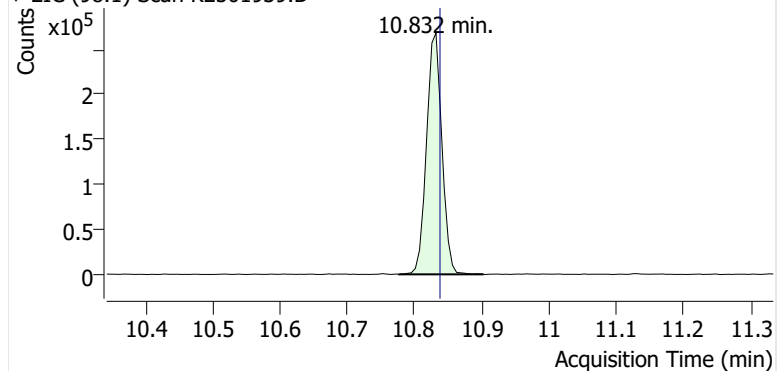


Benzene

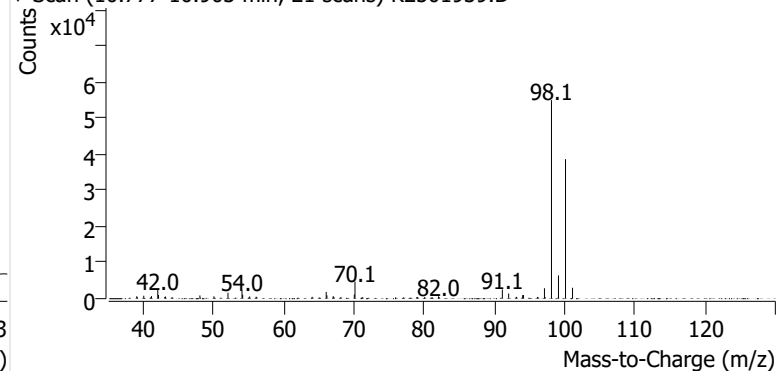


Toluene-d8 (IS)

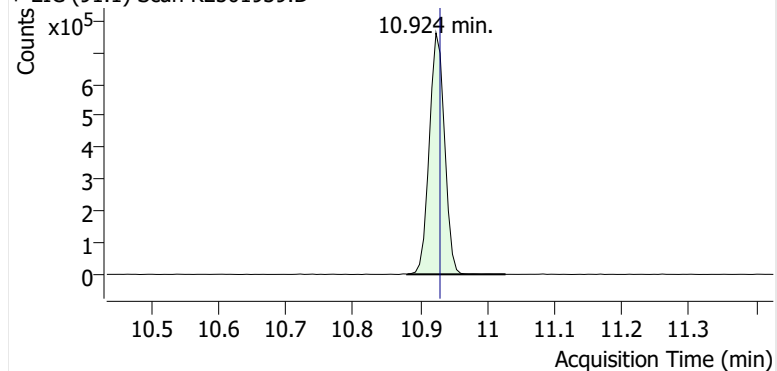
+ EIC (98.1) Scan K2501939.D



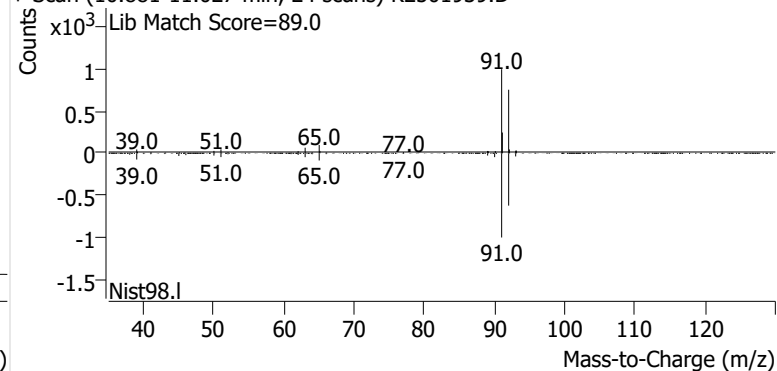
+ Scan (10.777-10.903 min, 21 scans) K2501939.D

**Toluene**

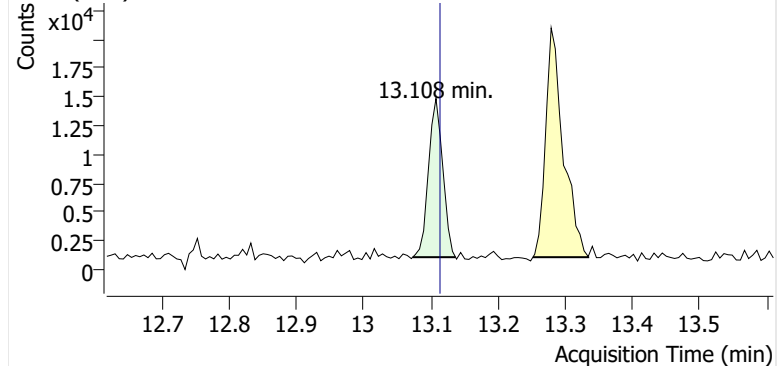
+ EIC (91.1) Scan K2501939.D



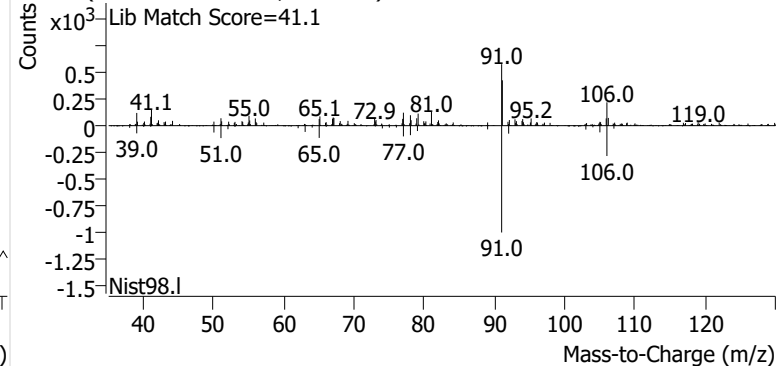
+ Scan (10.881-11.027 min, 24 scans) K2501939.D

**Ethylbenzene**

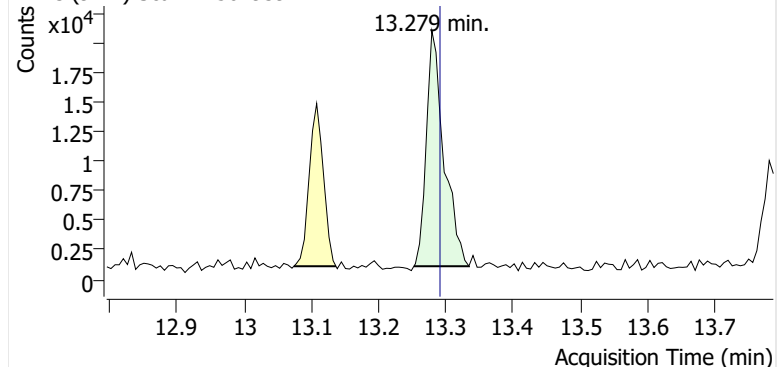
+ EIC (91.1) Scan K2501939.D



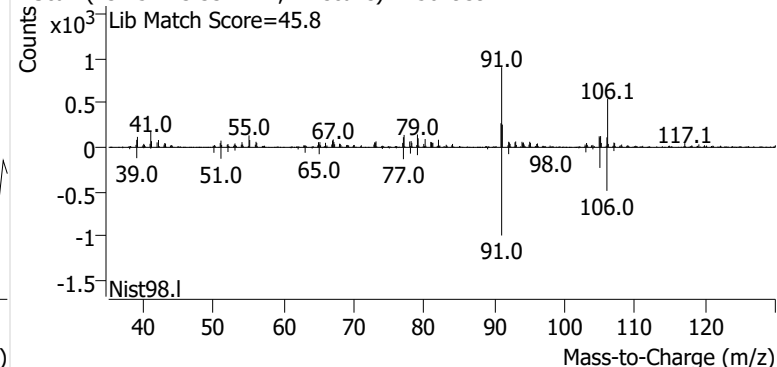
+ Scan (13.073-13.137 min, 10 scans) K2501939.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501939.D

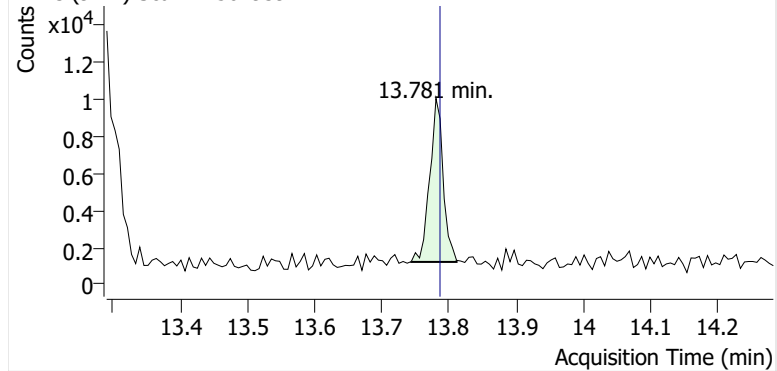


+ Scan (13.252-13.334 min, 14 scans) K2501939.D



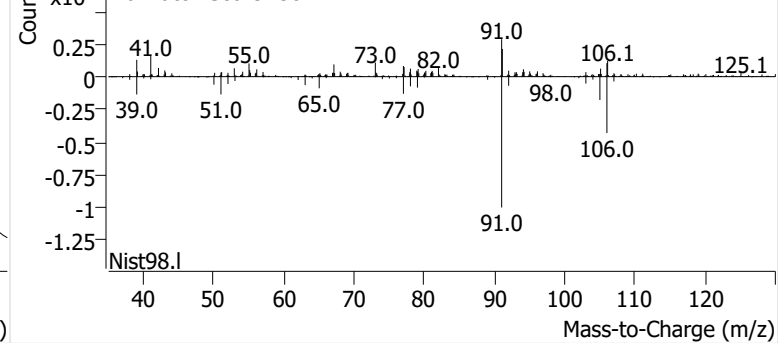
o-Xylene

+ EIC (91.1) Scan K2501939.D



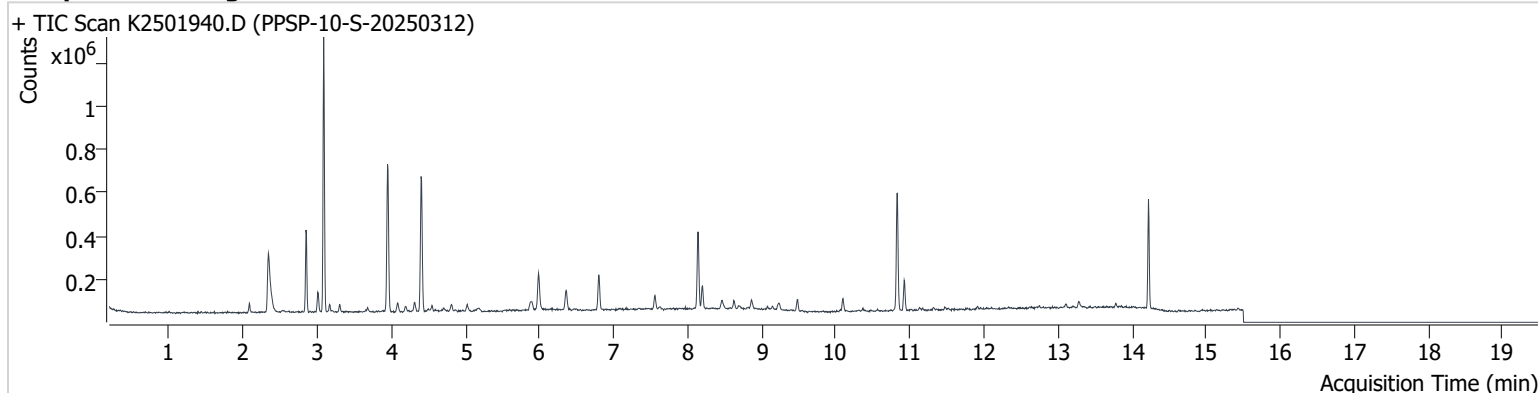
+ Scan (13.744-13.811 min, 12 scans) K2501939.D

Lib Match Score=38.1



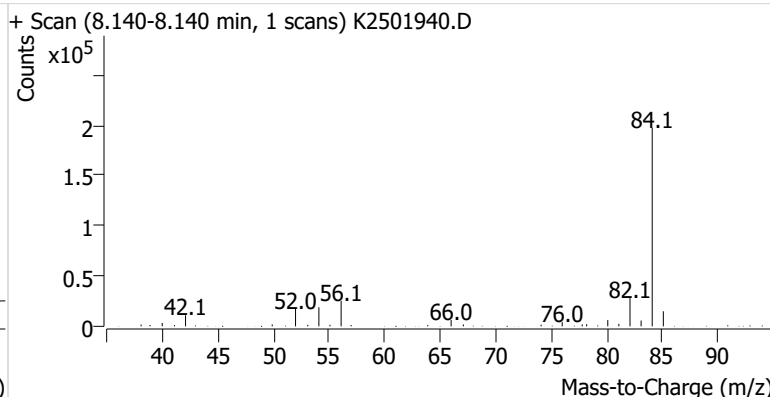
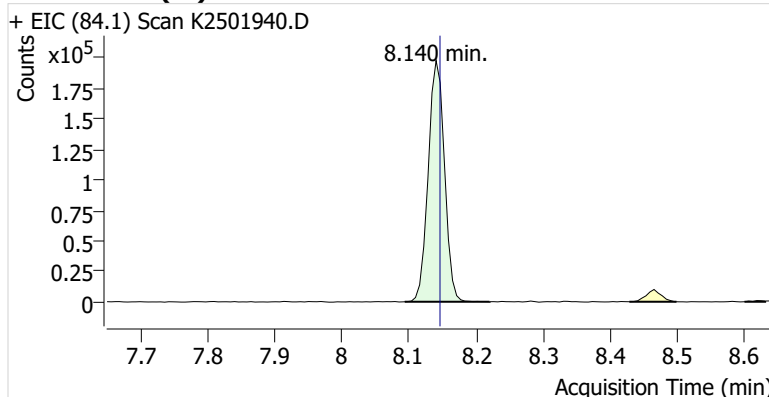
Name PPSP-10-S-20250312
Comment C01835
Data File K2501940.D
Acq. Date-Time 4/2/2025 8:44:49 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

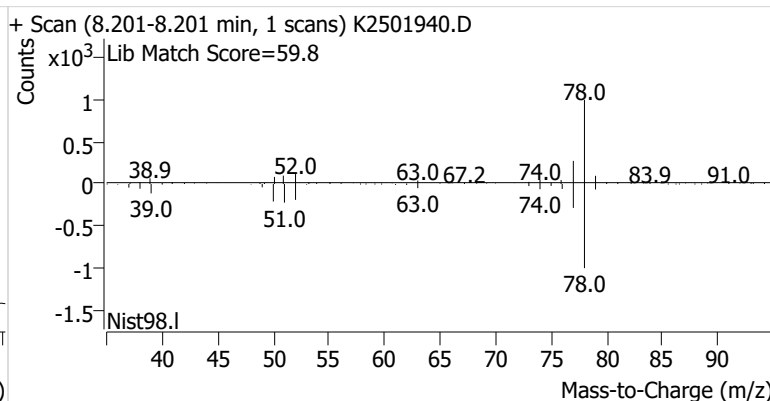
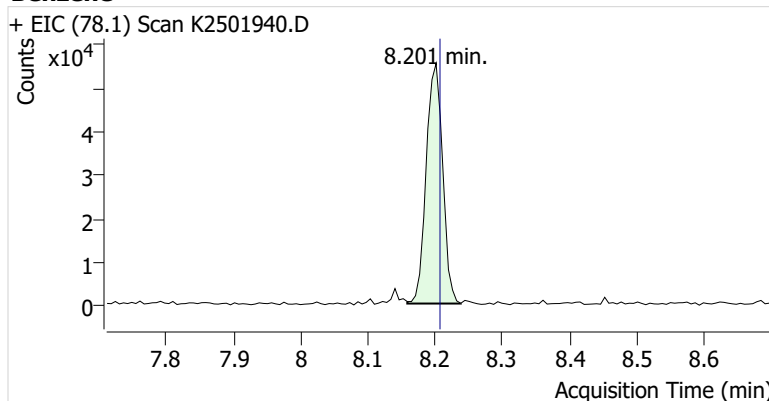


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	330,912	
Benzene	benzene-d6 (IS)	8.201	8.207	93,592	
Toluene-d8 (IS)		10.832	10.838	367,432	
Toluene	Toluene-d8 (IS)	10.924	10.930	91,058	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	11,332	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	19,645	
o-Xylene	Toluene-d8 (IS)	13.775	13.787	7,198	

benzene-d6 (IS)

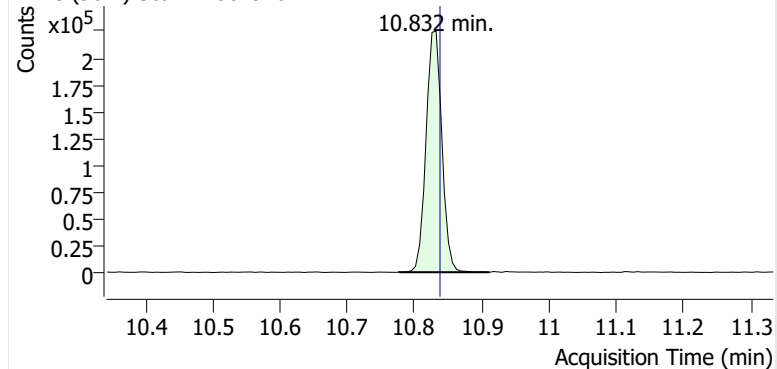


Benzene

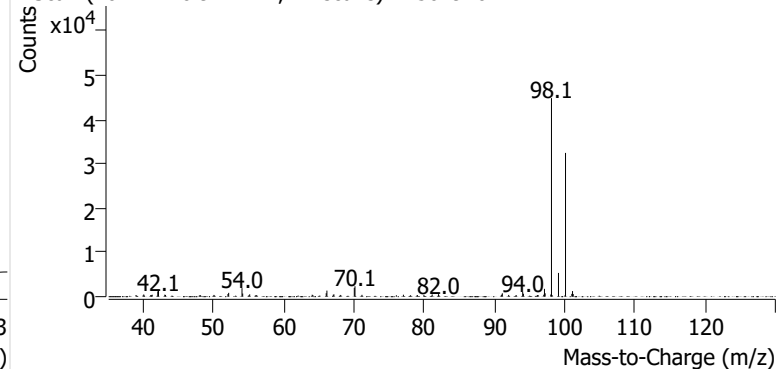


Toluene-d8 (IS)

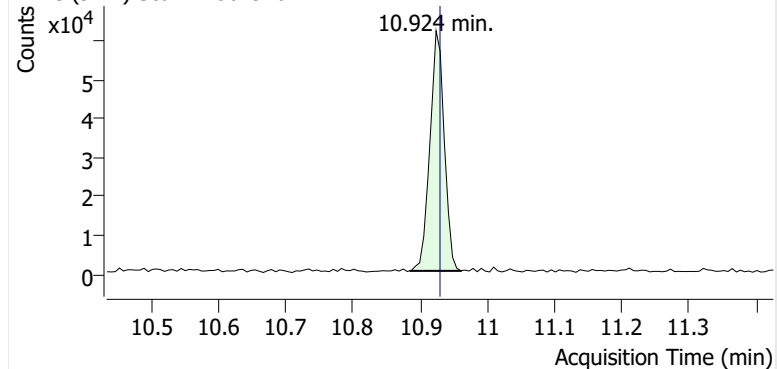
+ EIC (98.1) Scan K2501940.D



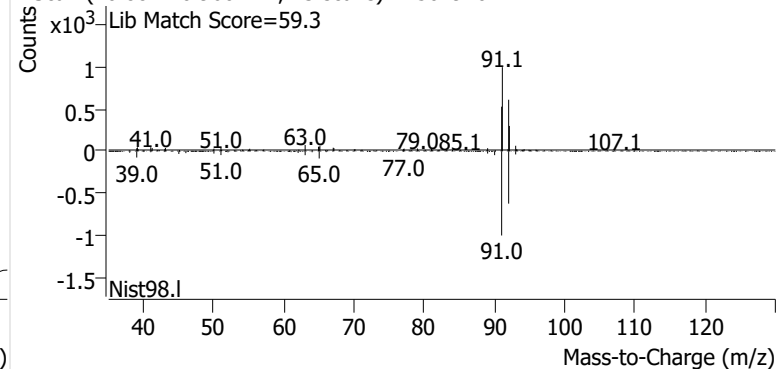
+ Scan (10.777-10.911 min, 22 scans) K2501940.D

**Toluene**

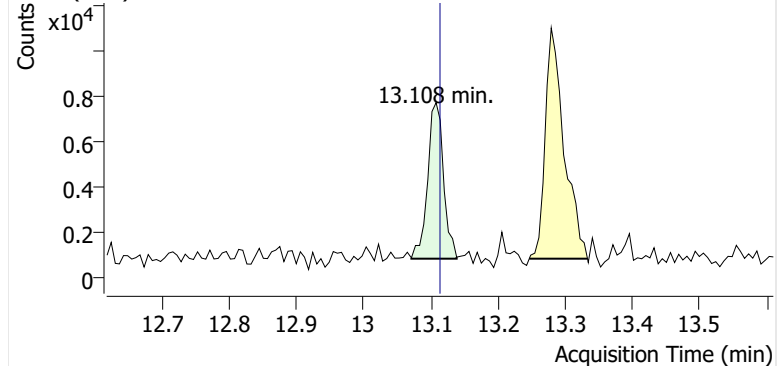
+ EIC (91.1) Scan K2501940.D



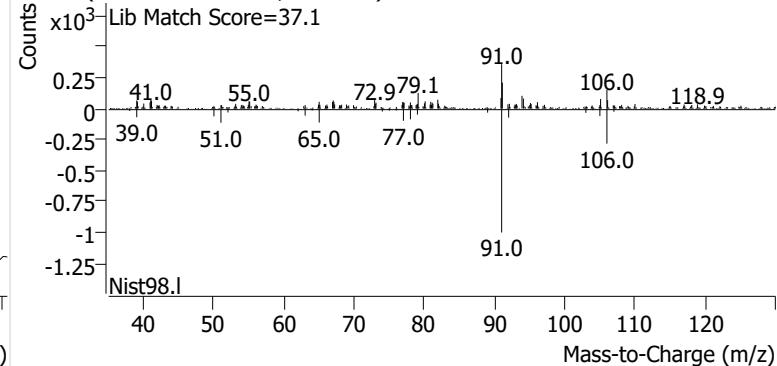
+ Scan (10.884-10.960 min, 13 scans) K2501940.D

**Ethylbenzene**

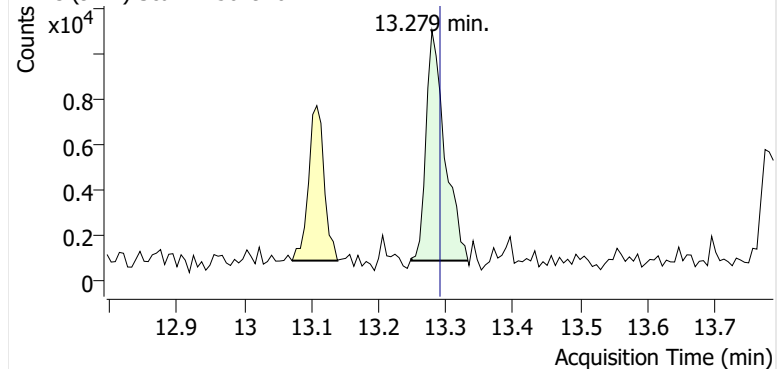
+ EIC (91.1) Scan K2501940.D



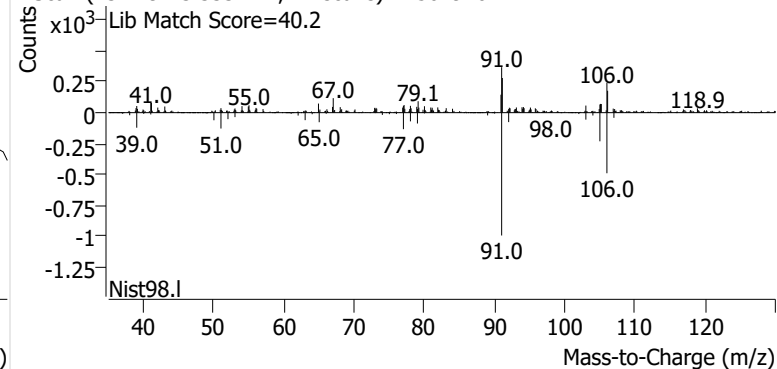
+ Scan (13.071-13.138 min, 12 scans) K2501940.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501940.D

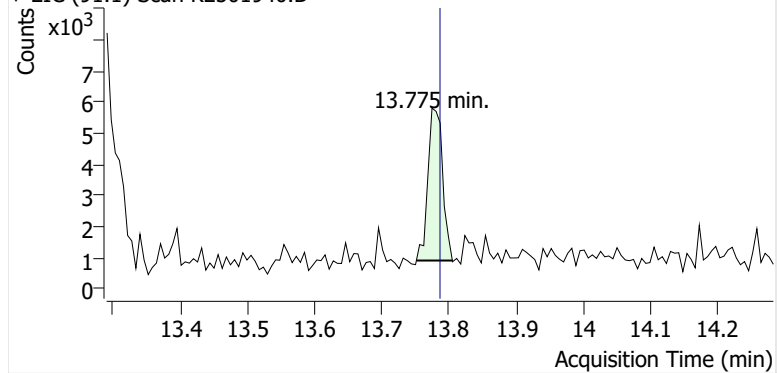


+ Scan (13.249-13.333 min, 14 scans) K2501940.D

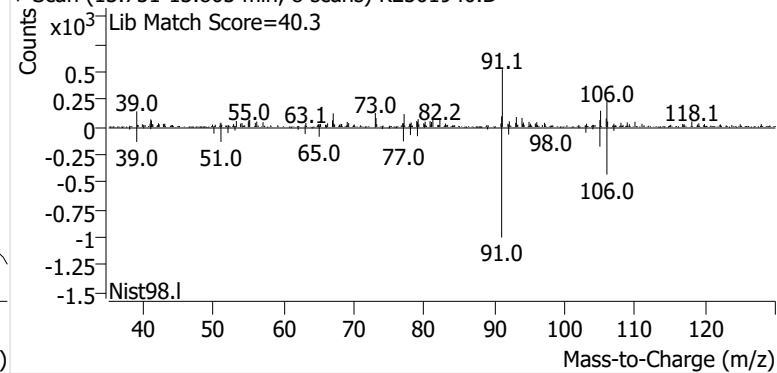


o-Xylene

+ EIC (91.1) Scan K2501940.D

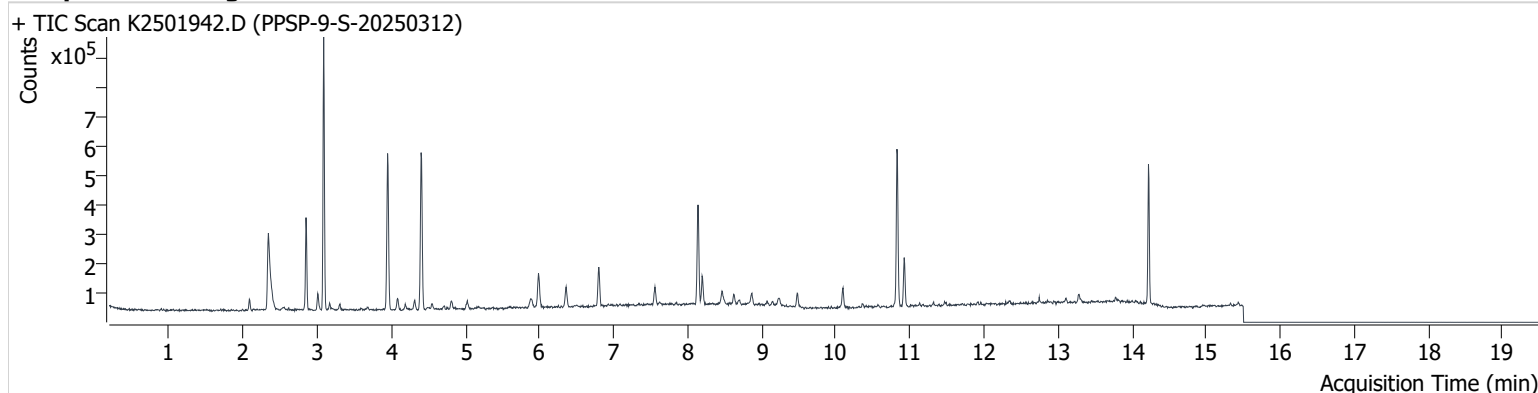


+ Scan (13.751-13.805 min, 8 scans) K2501940.D



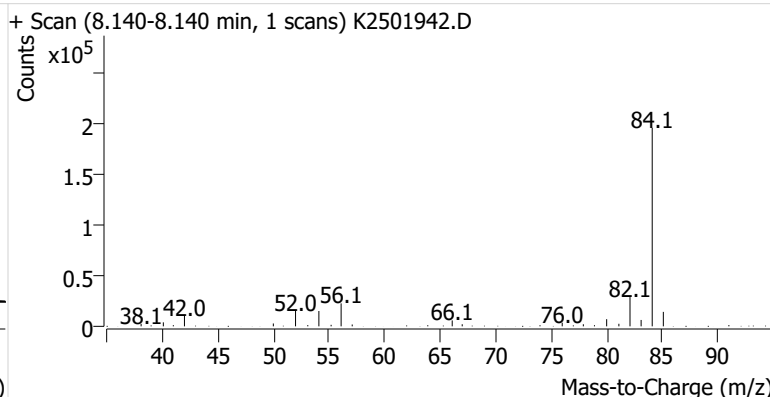
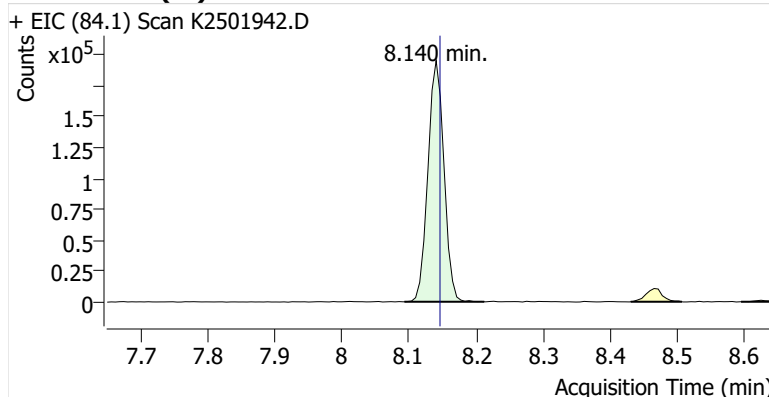
Name PPSP-9-S-20250312
Comment B29387
Data File K2501942.D
Acq. Date-Time 4/2/2025 9:39:53 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxipack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

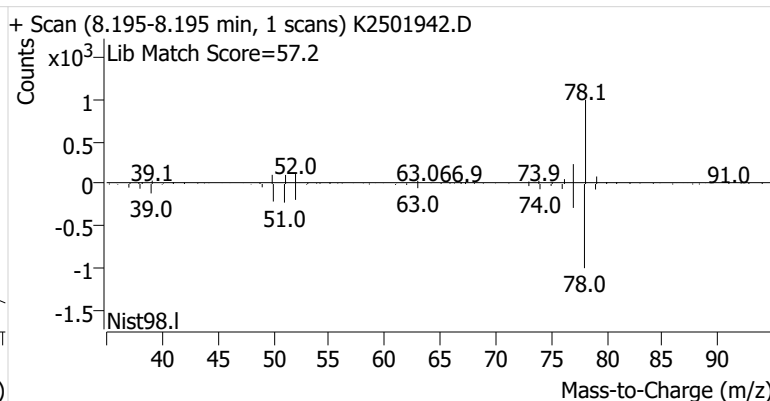
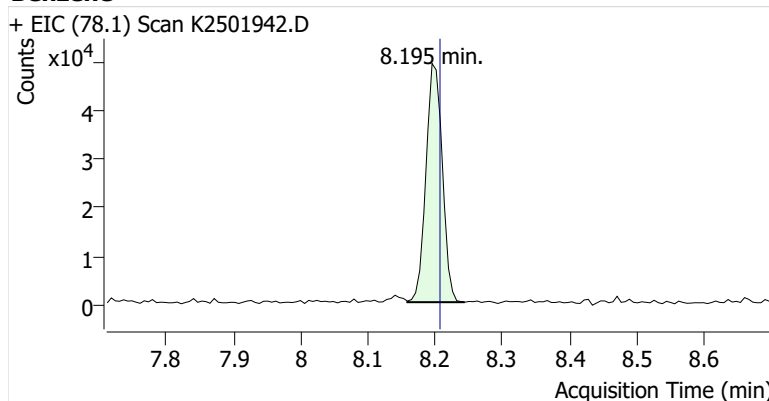


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	322,231	
Benzene	benzene-d6 (IS)	8.195	8.207	82,973	
Toluene-d8 (IS)		10.826	10.838	355,073	
Toluene	Toluene-d8 (IS)	10.924	10.930	110,747	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	9,791	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.291	18,064	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	7,320	

benzene-d6 (IS)

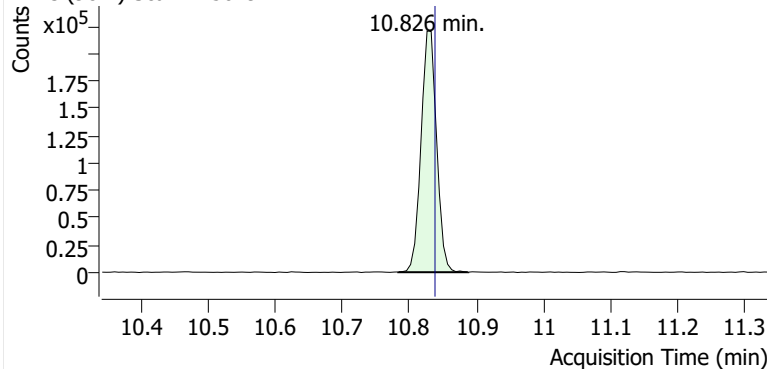


Benzene

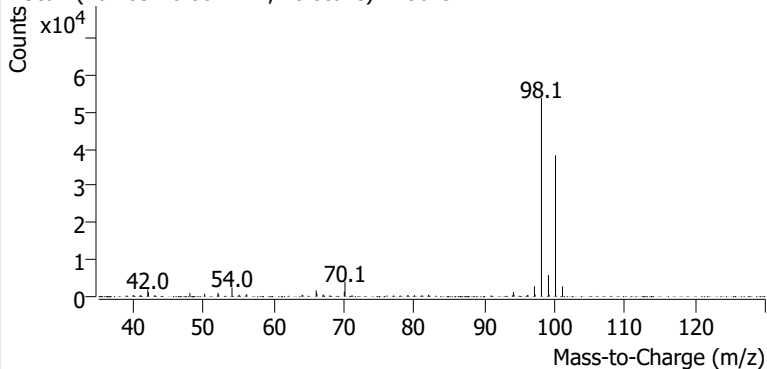


Toluene-d8 (IS)

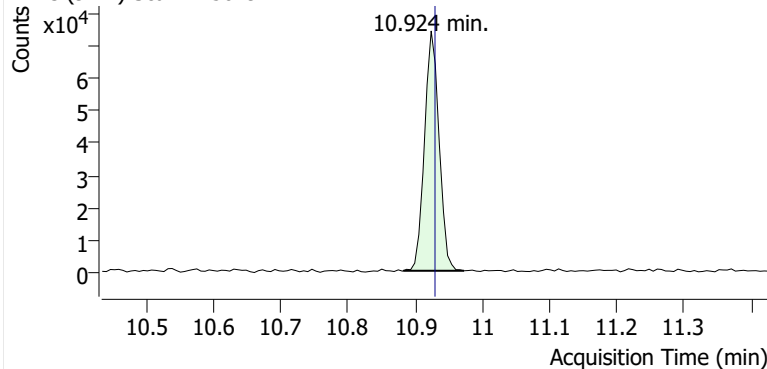
+ EIC (98.1) Scan K2501942.D



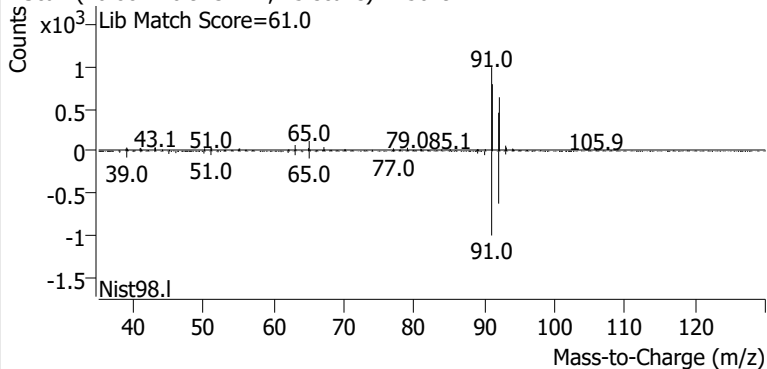
+ Scan (10.783-10.887 min, 18 scans) K2501942.D

**Toluene**

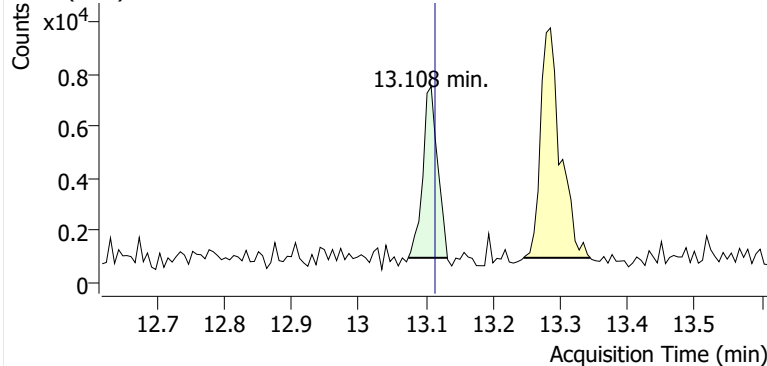
+ EIC (91.1) Scan K2501942.D



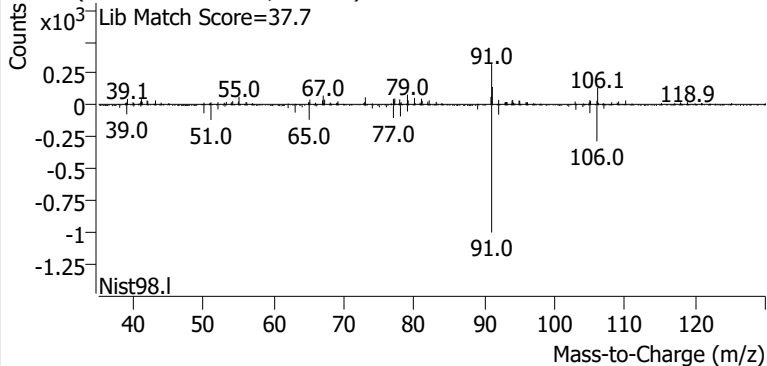
+ Scan (10.882-10.973 min, 15 scans) K2501942.D

**Ethylbenzene**

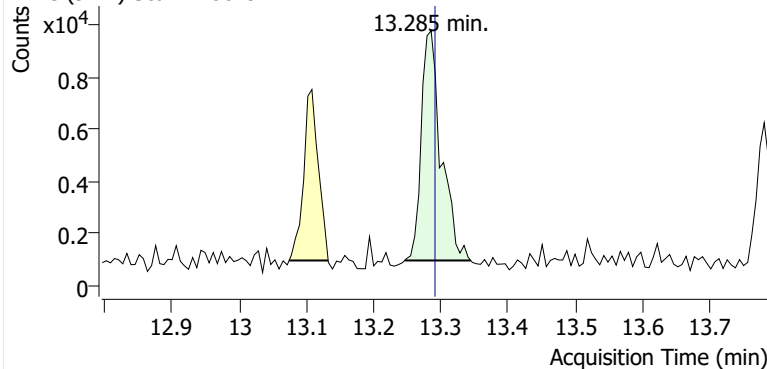
+ EIC (91.1) Scan K2501942.D



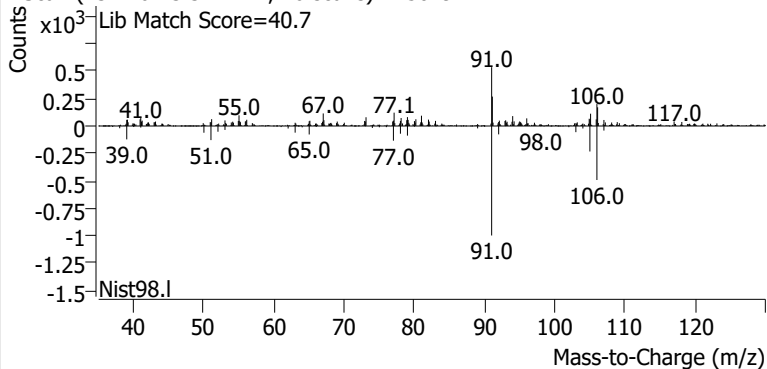
+ Scan (13.074-13.132 min, 9 scans) K2501942.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501942.D

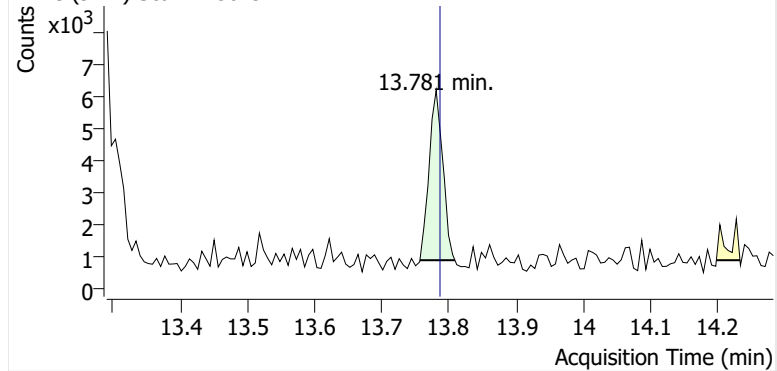


+ Scan (13.246-13.344 min, 16 scans) K2501942.D

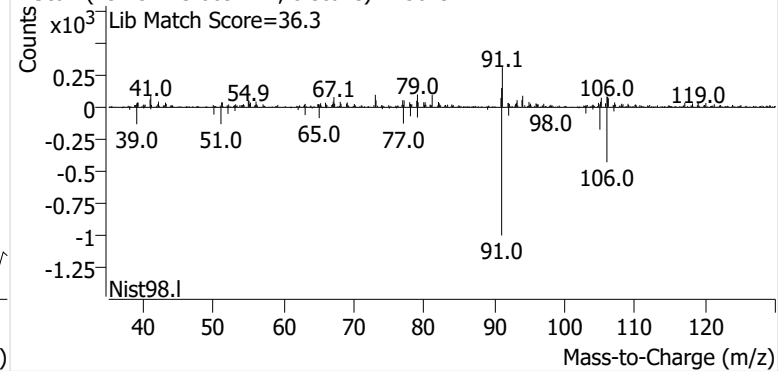


o-Xylene

+ EIC (91.1) Scan K2501942.D

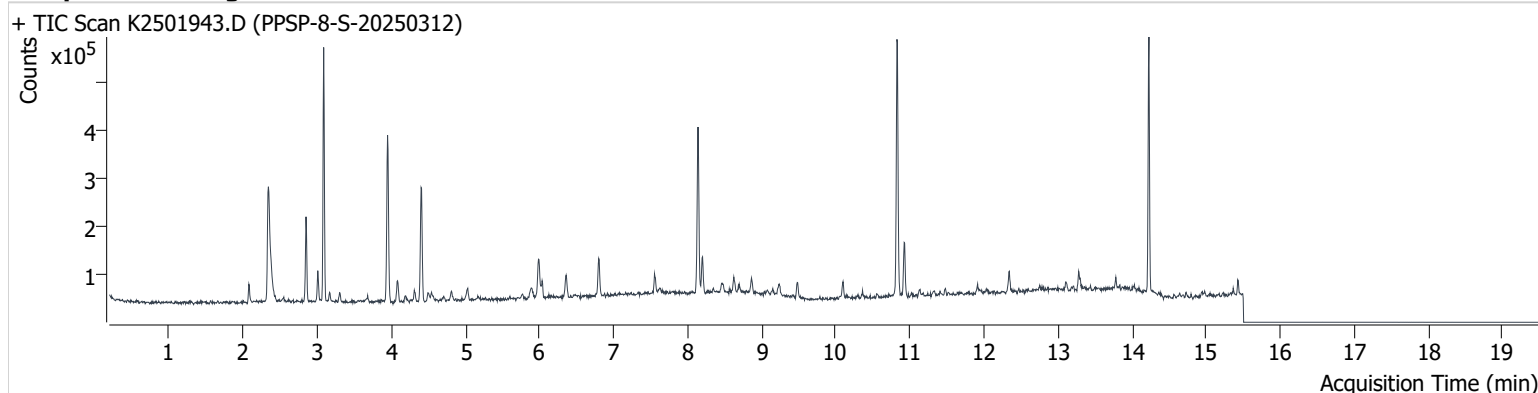


+ Scan (13.757-13.809 min, 8 scans) K2501942.D



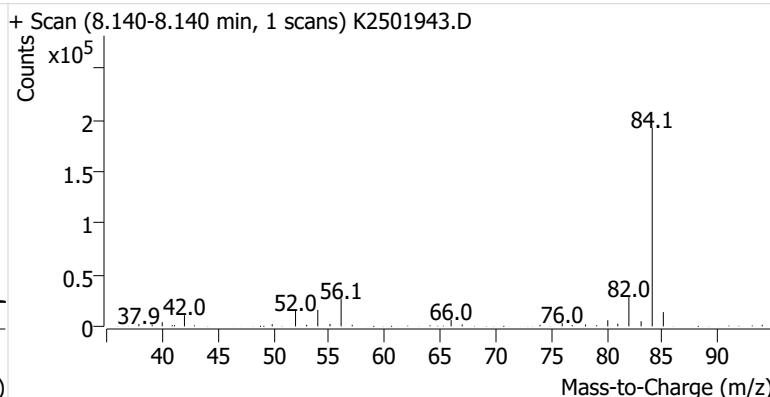
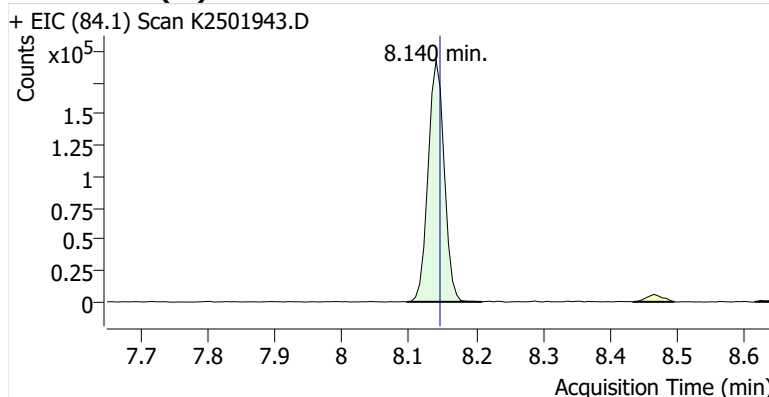
Name PPSP-8-S-20250312
Comment C34208
Data File K2501943.D
Acq. Date-Time 4/2/2025 10:07:25 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

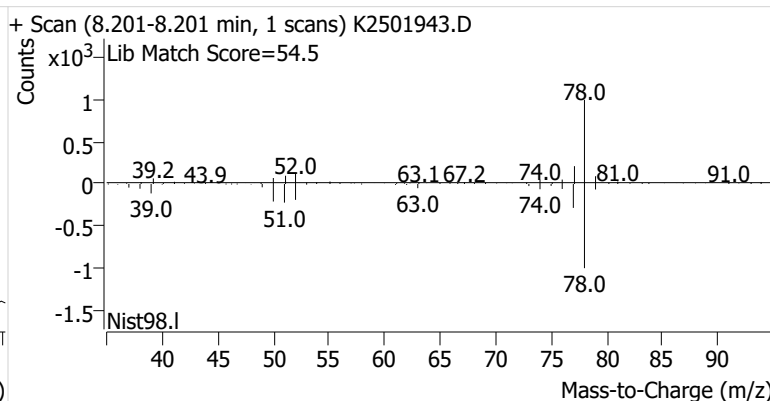
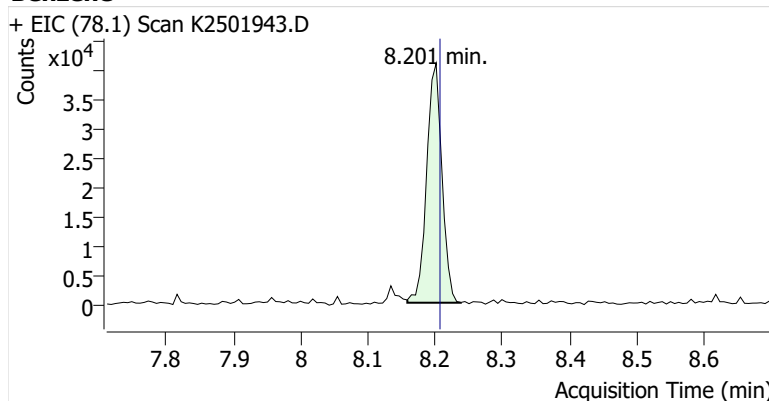


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	319,208	
Benzene	benzene-d6 (IS)	8.201	8.207	64,181	
Toluene-d8 (IS)		10.826	10.838	355,751	
Toluene	Toluene-d8 (IS)	10.924	10.930	76,082	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	9,899	
m-/p-Xylenes	Toluene-d8 (IS)	13.279	13.291	25,920	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	10,255	

benzene-d6 (IS)

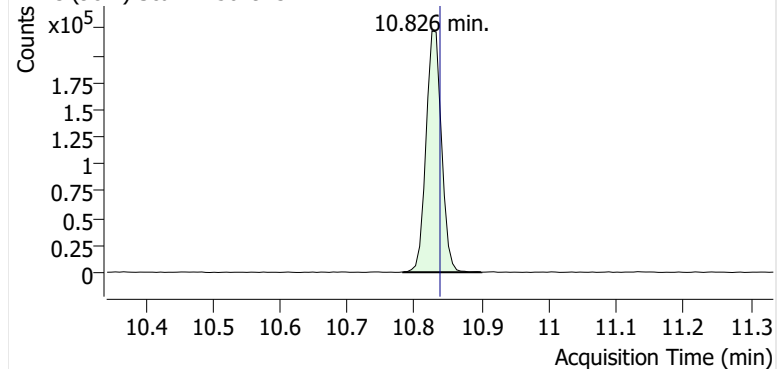


Benzene

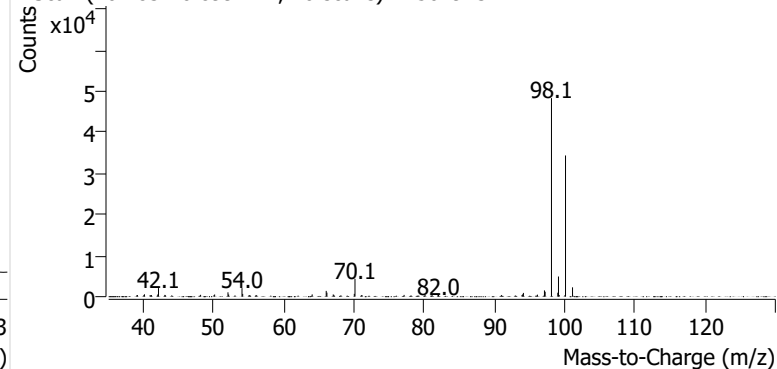


Toluene-d8 (IS)

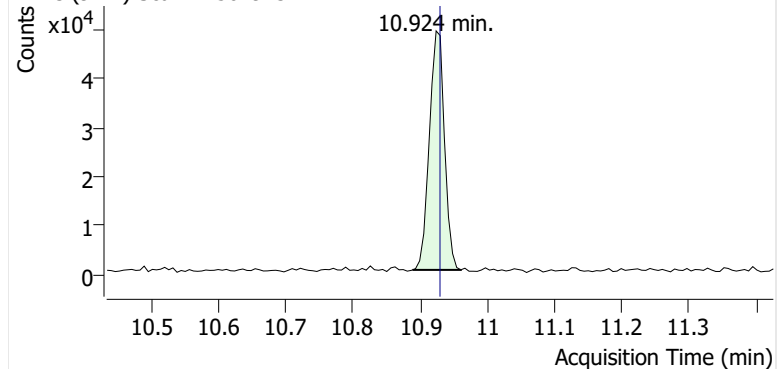
+ EIC (98.1) Scan K2501943.D



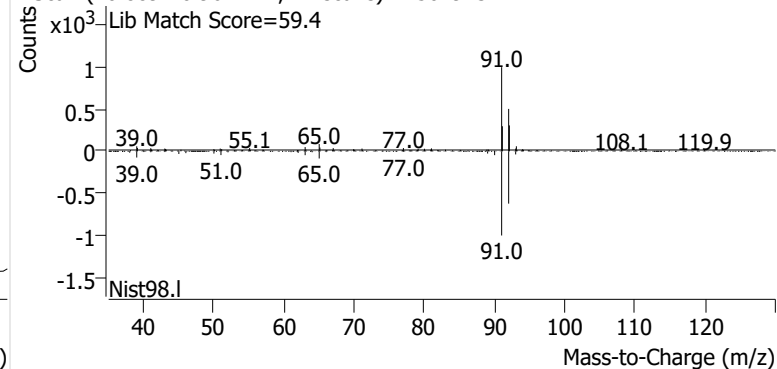
+ Scan (10.783-10.899 min, 20 scans) K2501943.D

**Toluene**

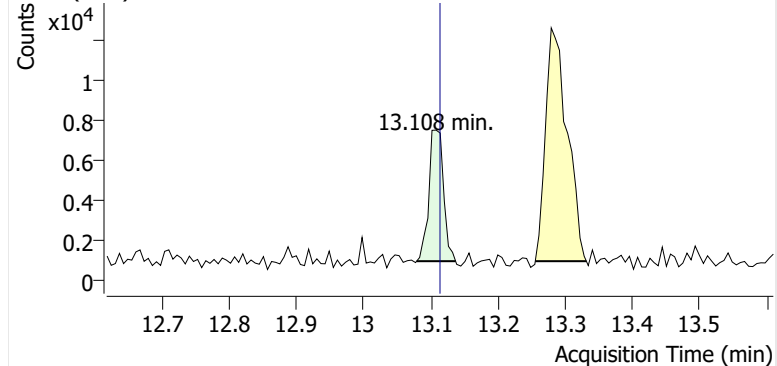
+ EIC (91.1) Scan K2501943.D



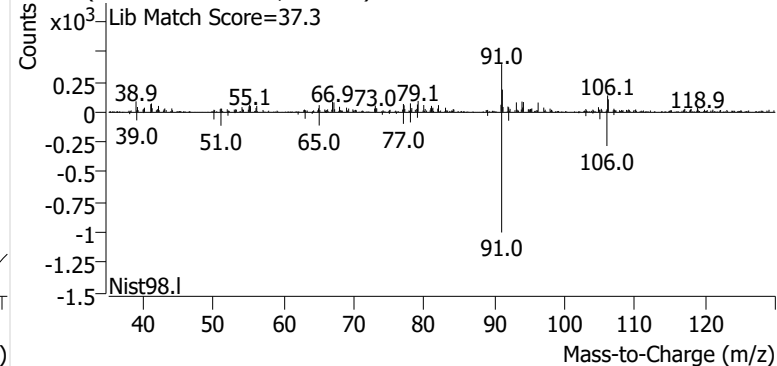
+ Scan (10.889-10.961 min, 12 scans) K2501943.D

**Ethylbenzene**

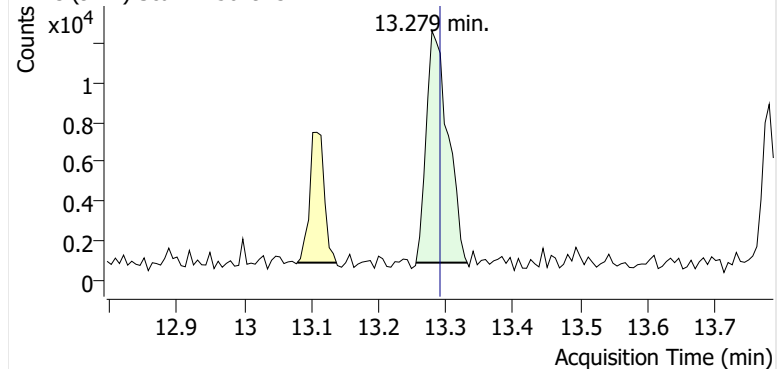
+ EIC (91.1) Scan K2501943.D



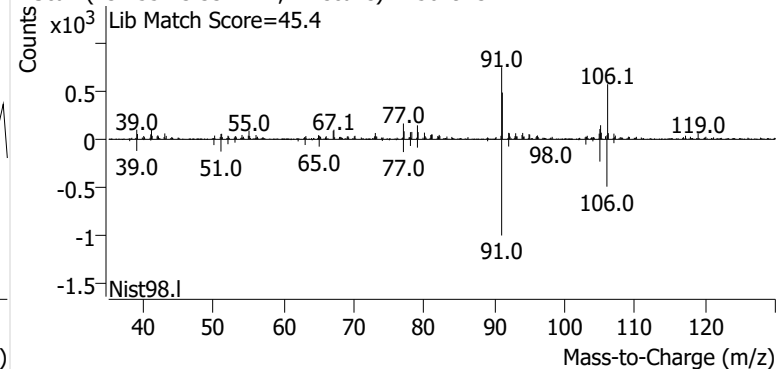
+ Scan (13.079-13.137 min, 9 scans) K2501943.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501943.D

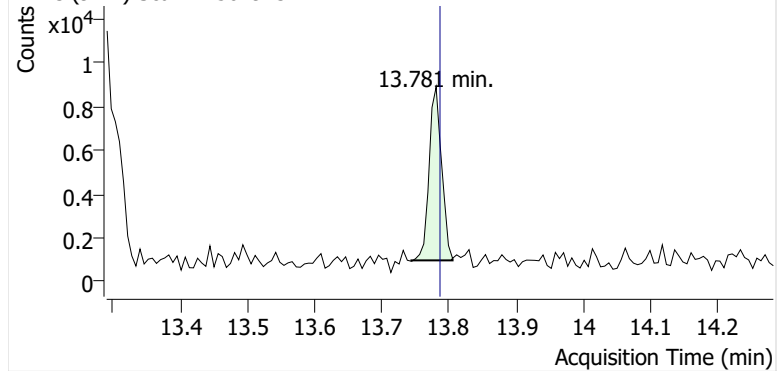


+ Scan (13.255-13.332 min, 12 scans) K2501943.D

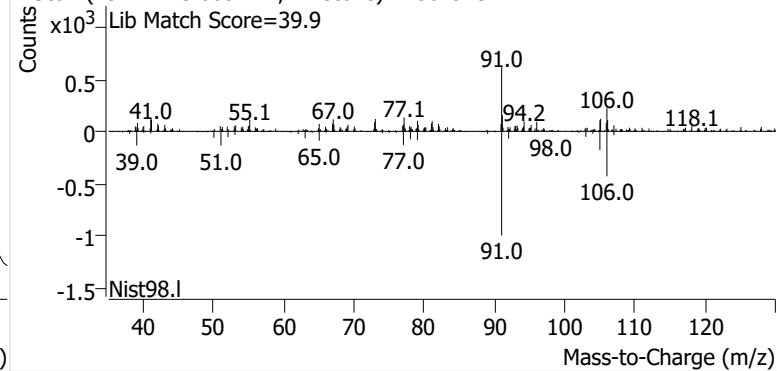


o-Xylene

+ EIC (91.1) Scan K2501943.D

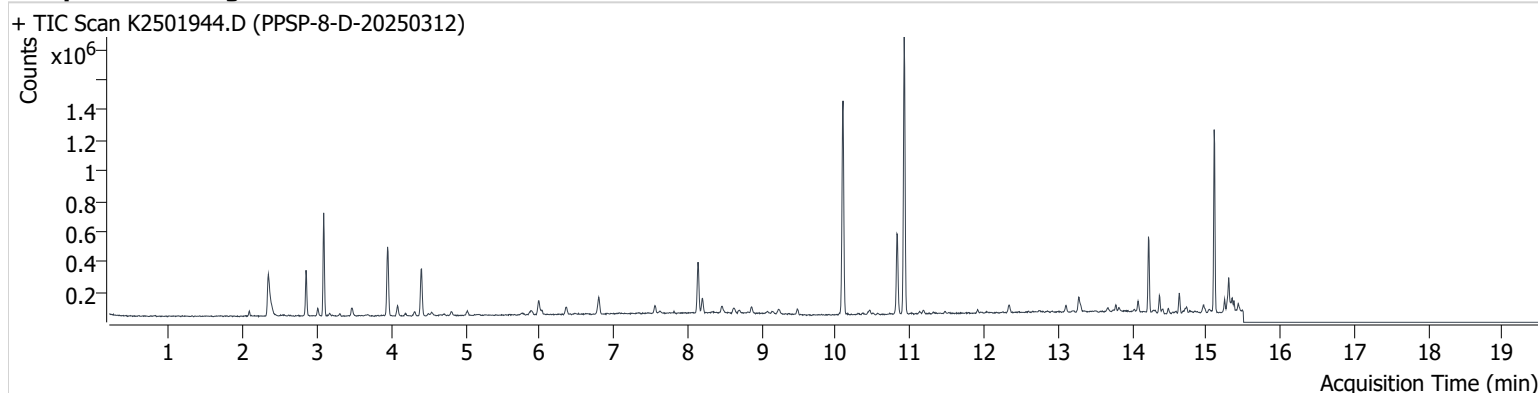


+ Scan (13.744-13.805 min, 11 scans) K2501943.D



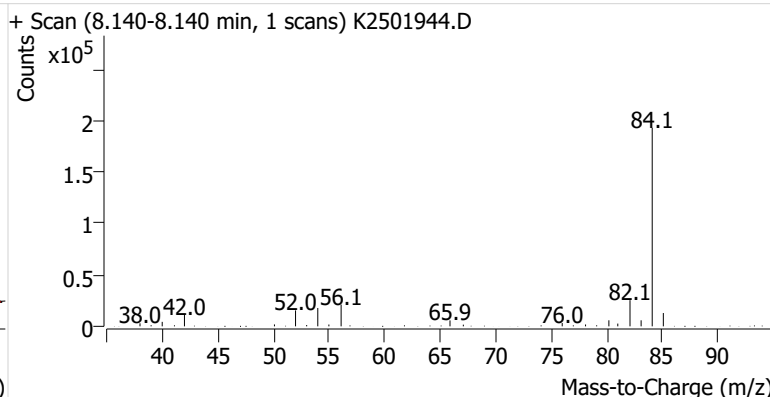
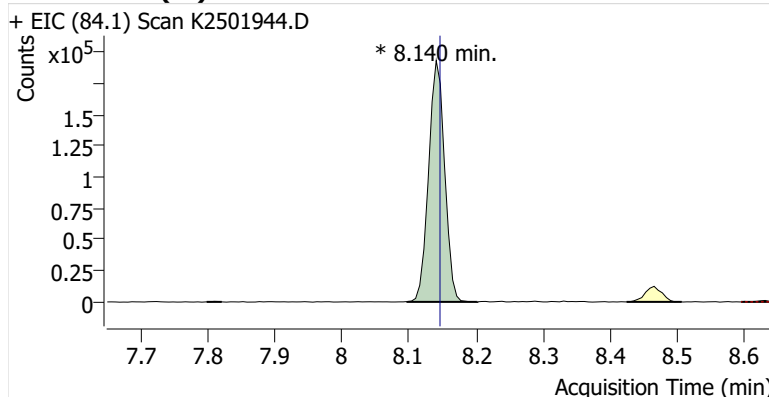
Name PPSP-8-D-20250312
Comment C39118
Data File K2501944.D
Acq. Date-Time 4/2/2025 10:35:10 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

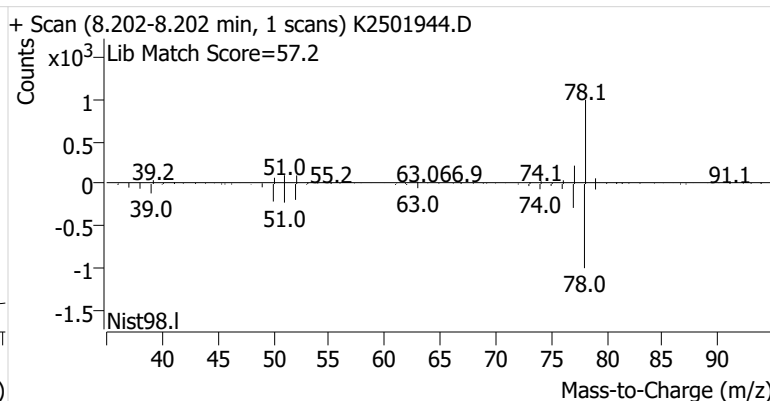
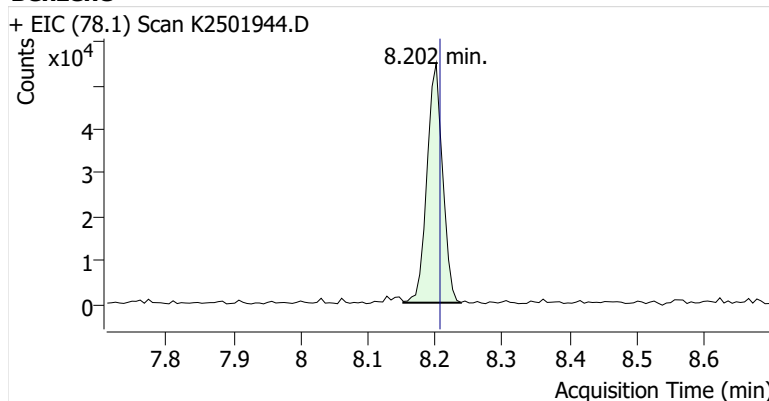


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	319,264	m
Benzene	benzene-d6 (IS)	8.202	8.207	87,746	
Toluene-d8 (IS)		10.826	10.838	350,000	
Toluene	Toluene-d8 (IS)	10.924	10.930	1,277,840	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	25,621	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.291	75,417	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	23,933	

benzene-d6 (IS)

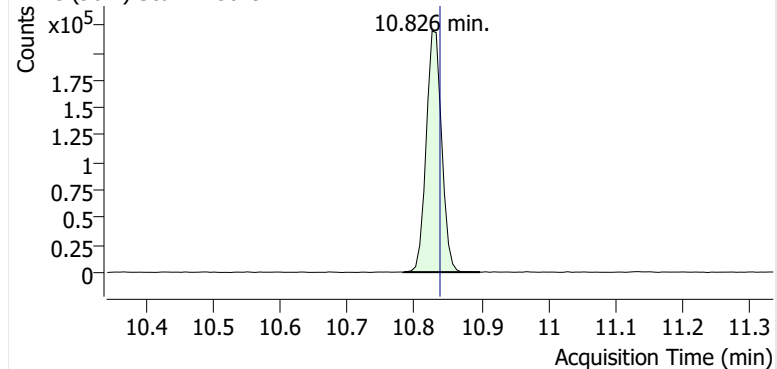


Benzene

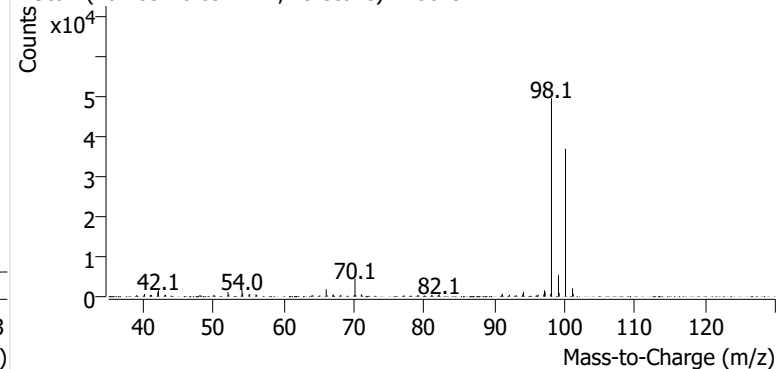


Toluene-d8 (IS)

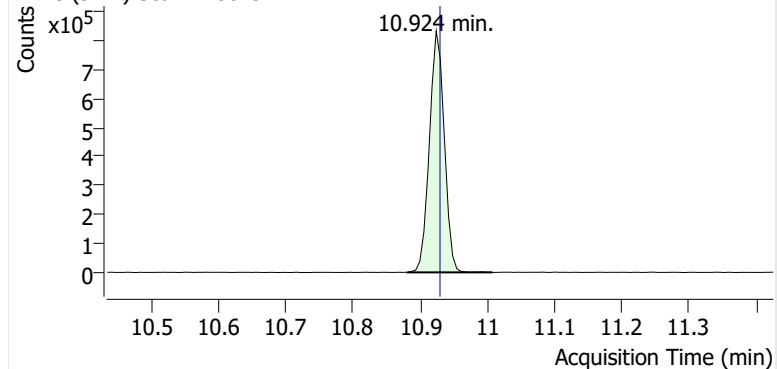
+ EIC (98.1) Scan K2501944.D



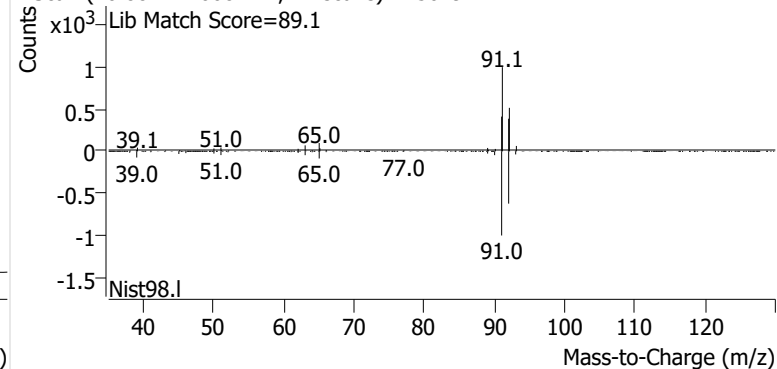
+ Scan (10.783-10.897 min, 19 scans) K2501944.D

**Toluene**

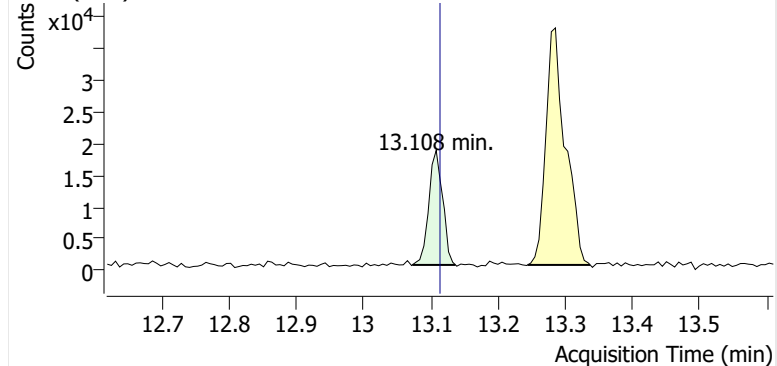
+ EIC (91.1) Scan K2501944.D



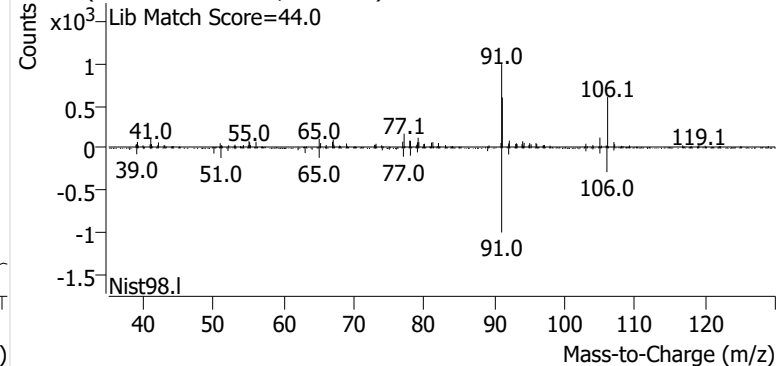
+ Scan (10.881-11.008 min, 21 scans) K2501944.D

**Ethylbenzene**

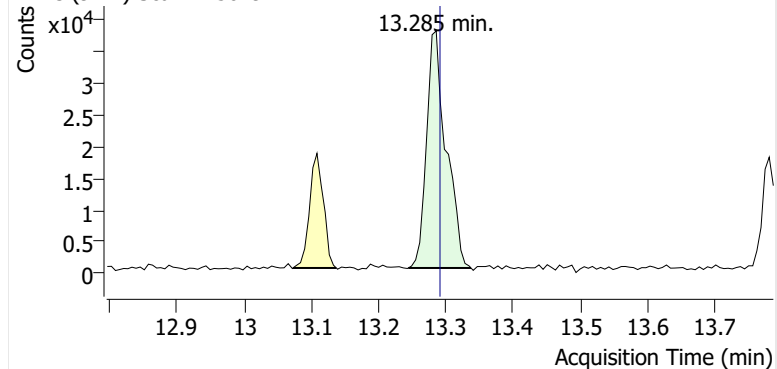
+ EIC (91.1) Scan K2501944.D



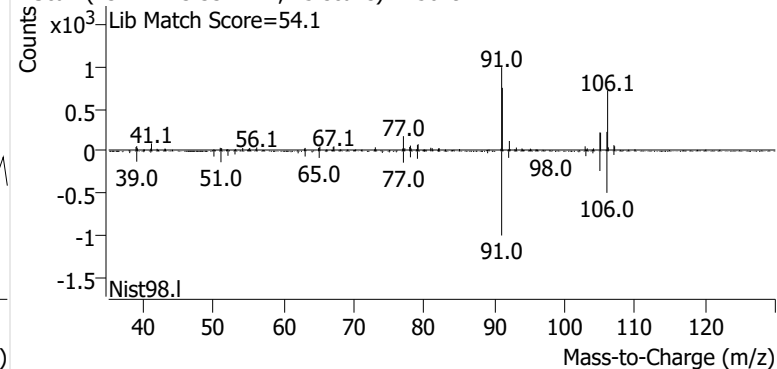
+ Scan (13.072-13.137 min, 10 scans) K2501944.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501944.D

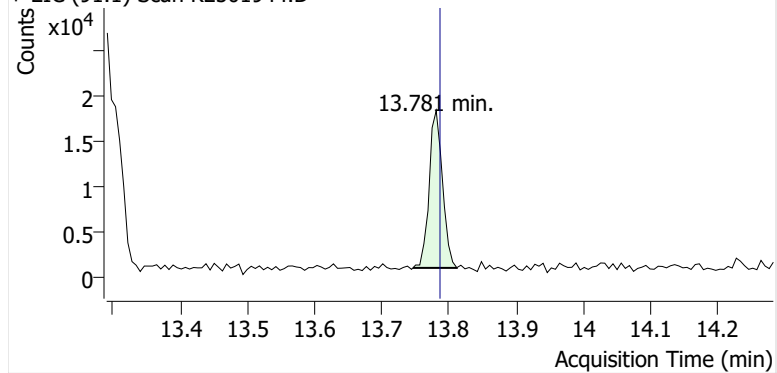


+ Scan (13.244-13.337 min, 15 scans) K2501944.D



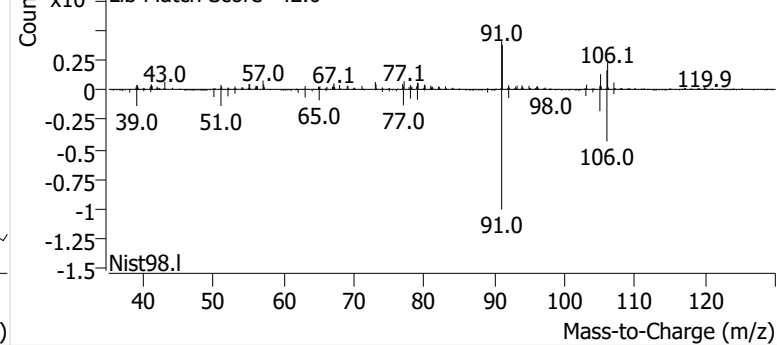
o-Xylene

+ EIC (91.1) Scan K2501944.D



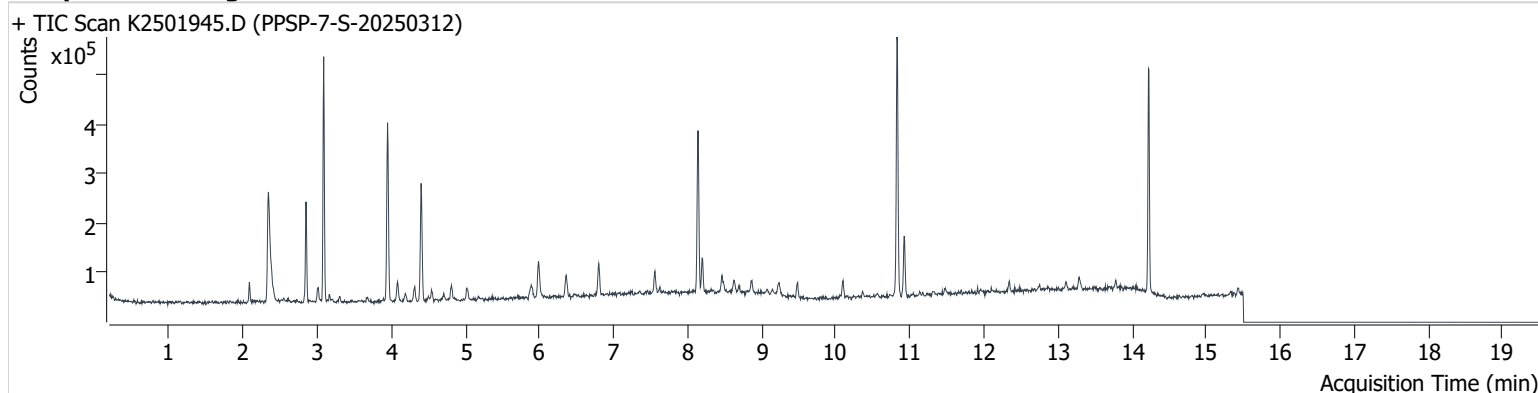
+ Scan (13.746-13.812 min, 11 scans) K2501944.D

Lib Match Score=42.0



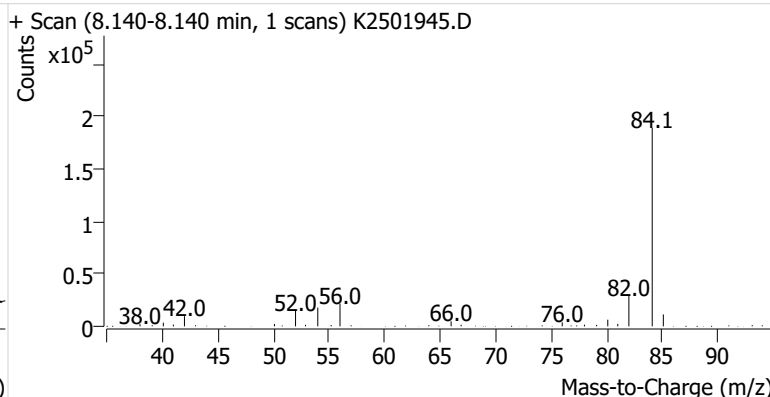
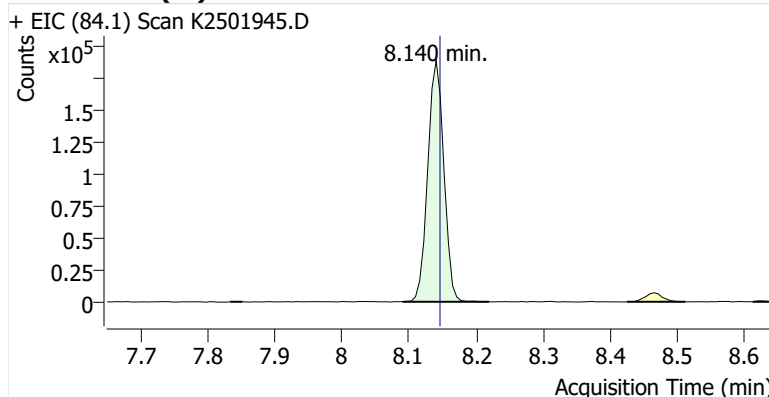
Name PPSP-7-S-20250312
Comment B51054
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Acq. Date-Time 4/2/2025 11:02:42 PM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

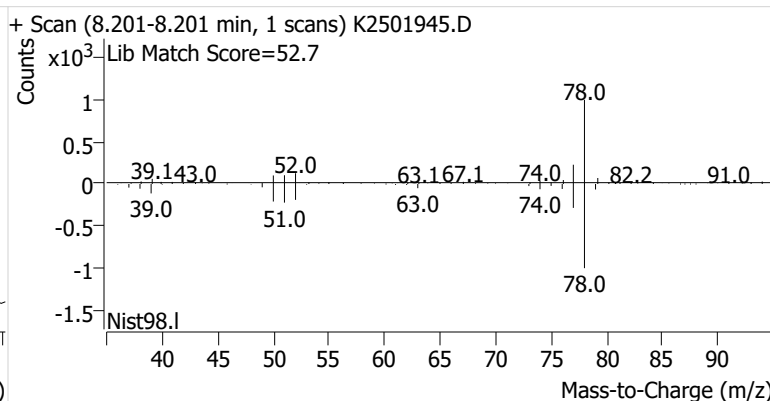
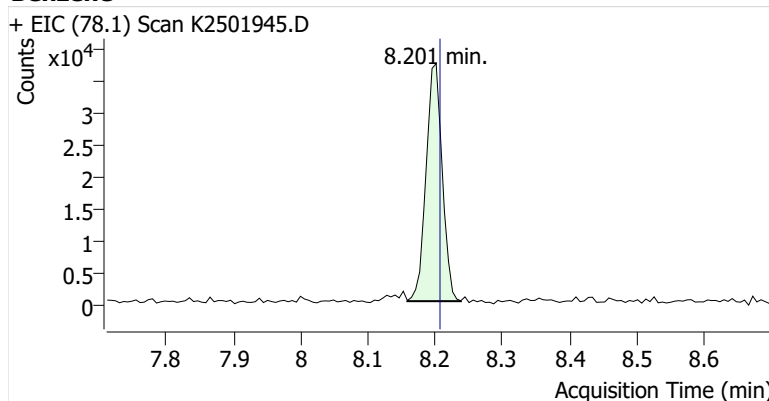


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	313,784	
Benzene	benzene-d6 (IS)	8.201	8.207	61,861	
Toluene-d8 (IS)		10.832	10.838	348,100	
Toluene	Toluene-d8 (IS)	10.924	10.930	80,405	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	9,876	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.291	17,566	
o-Xylene	Toluene-d8 (IS)	13.781	13.787	4,936	

benzene-d6 (IS)

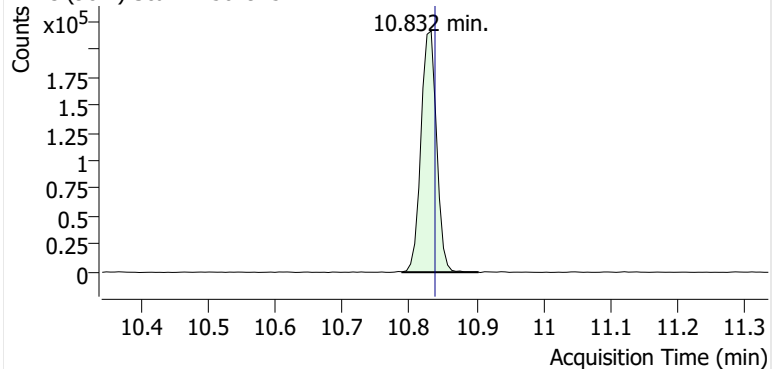


Benzene

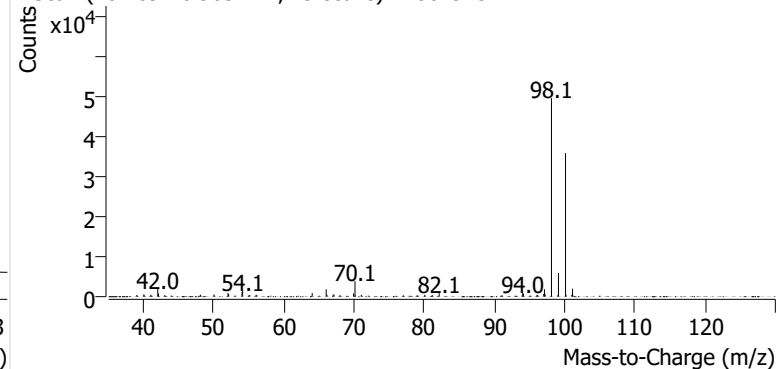


Toluene-d8 (IS)

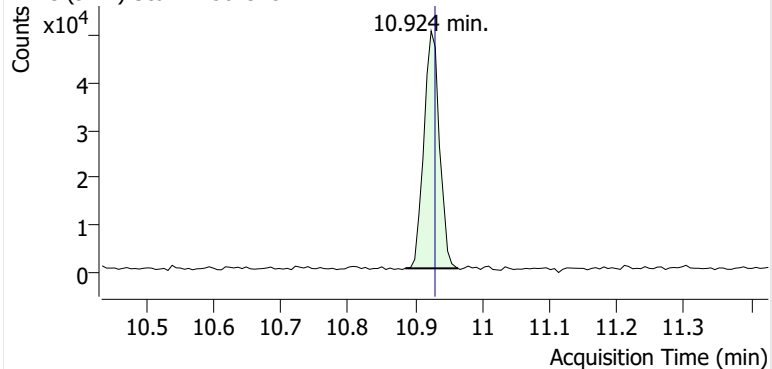
+ EIC (98.1) Scan K2501945.D



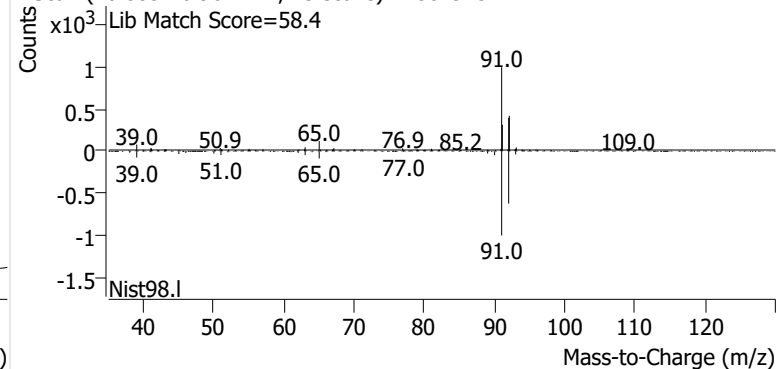
+ Scan (10.789-10.903 min, 19 scans) K2501945.D

**Toluene**

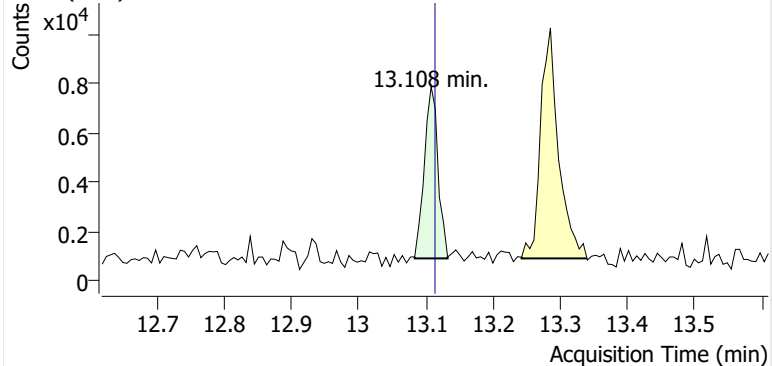
+ EIC (91.1) Scan K2501945.D



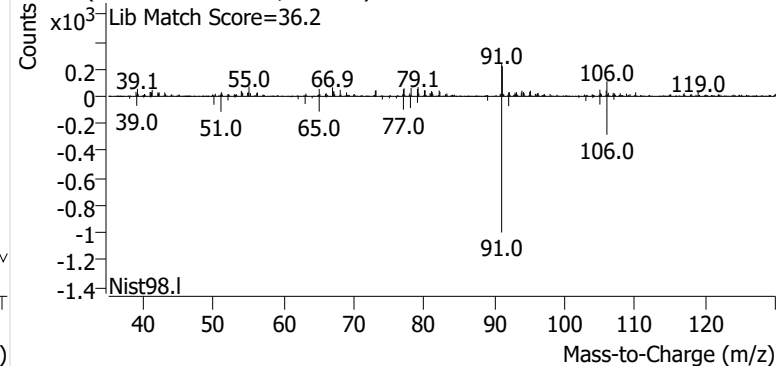
+ Scan (10.885-10.964 min, 13 scans) K2501945.D

**Ethylbenzene**

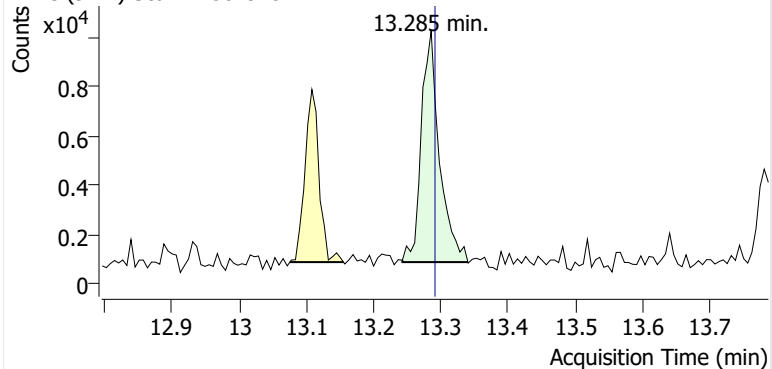
+ EIC (91.1) Scan K2501945.D



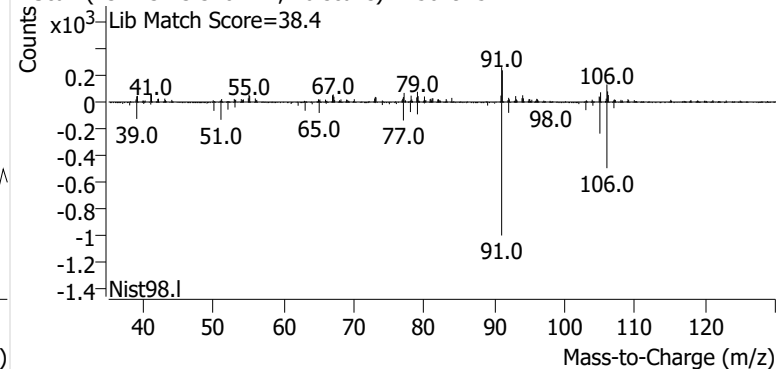
+ Scan (13.083-13.132 min, 9 scans) K2501945.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501945.D

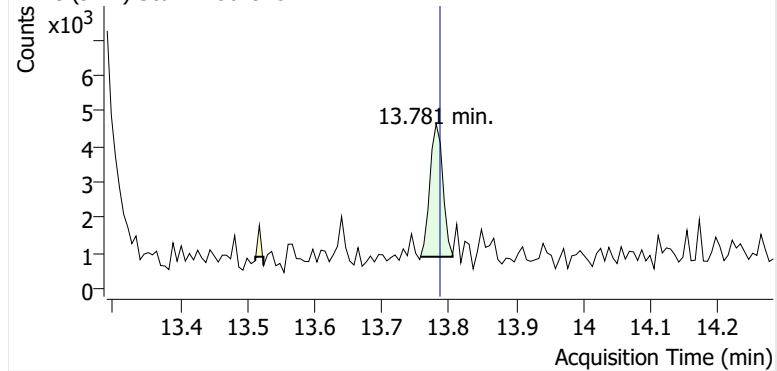


+ Scan (13.243-13.340 min, 16 scans) K2501945.D

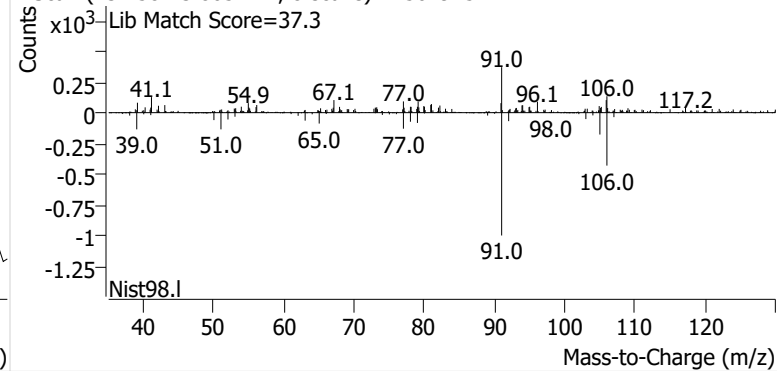


o-Xylene

+ EIC (91.1) Scan K2501945.D

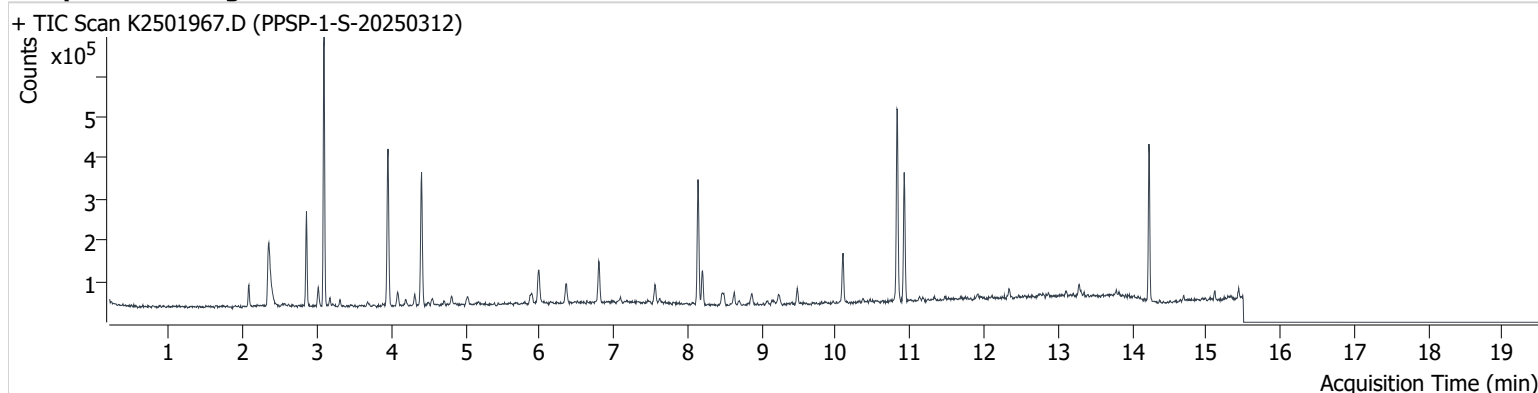


+ Scan (13.758-13.805 min, 8 scans) K2501945.D



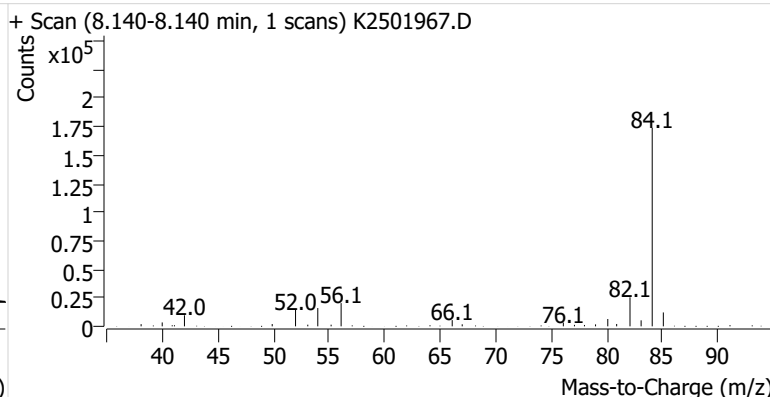
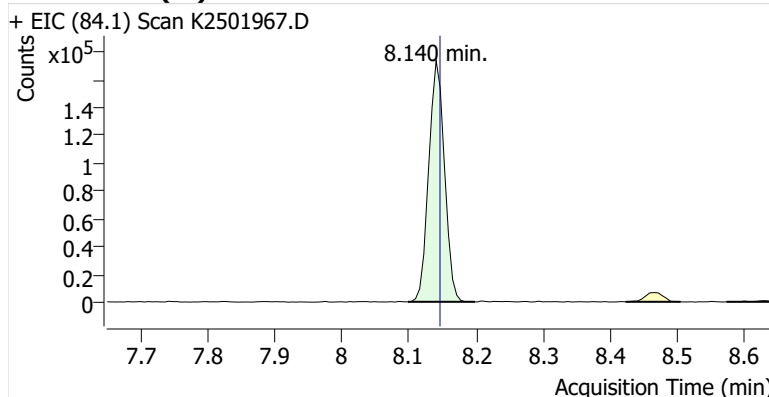
Name PPSP-1-S-20250312
Comment B40379; Recollect
Data File K2501967.D
Acq. Date-Time 4/3/2025 9:19:48 AM
Acq. Method File M325B-MTD
Tube Sorbent Carboxpack X
Analyze Quant Version 12.1
Report Quant Version 12.1

Sample Chromatogram

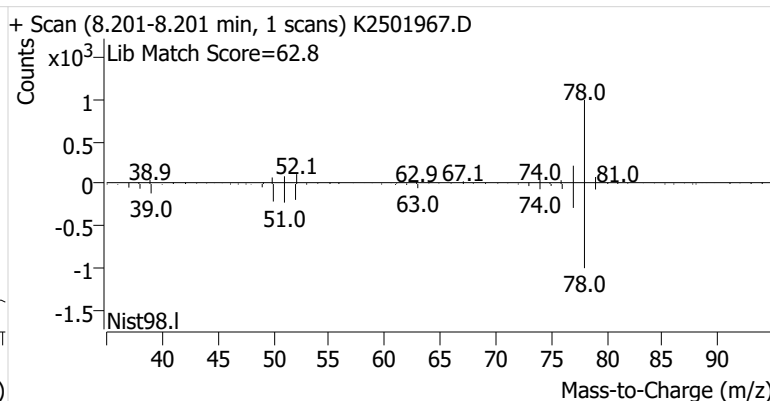
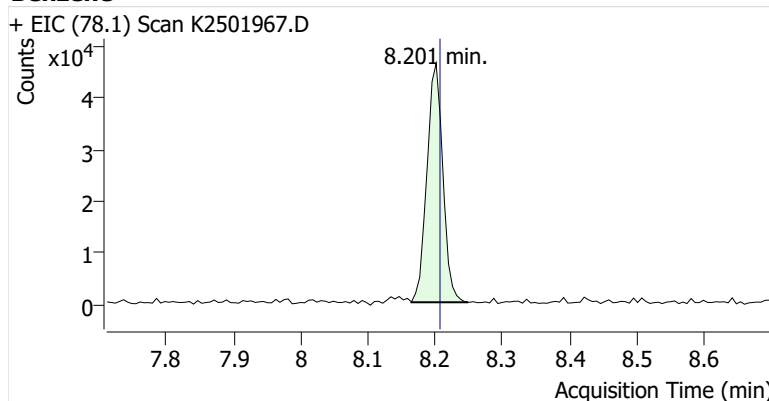


Name	ISTD	RT	ICAL RT	Resp.	Int. Flag
benzene-d6 (IS)		8.140	8.146	282,886	
Benzene	benzene-d6 (IS)	8.201	8.207	75,693	
Toluene-d8 (IS)		10.832	10.838	314,877	
Toluene	Toluene-d8 (IS)	10.924	10.930	215,958	
Ethylbenzene	Toluene-d8 (IS)	13.108	13.114	8,881	
m-/p-Xylenes	Toluene-d8 (IS)	13.285	13.291	17,887	
o-Xylene	Toluene-d8 (IS)	13.787	13.787	7,218	

benzene-d6 (IS)

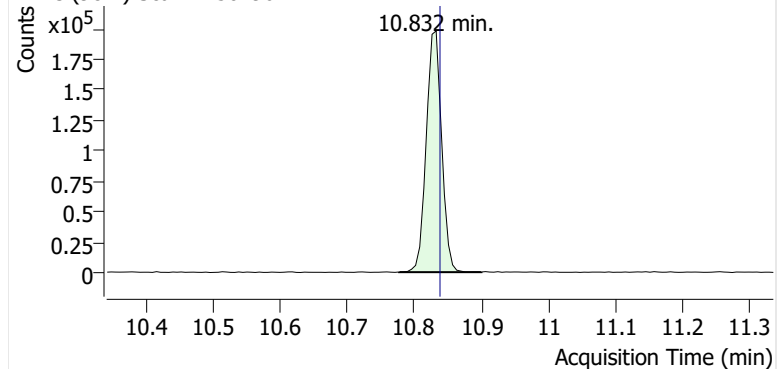


Benzene

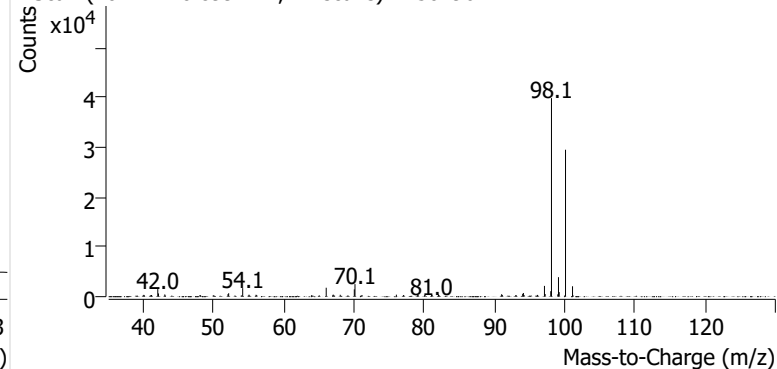


Toluene-d8 (IS)

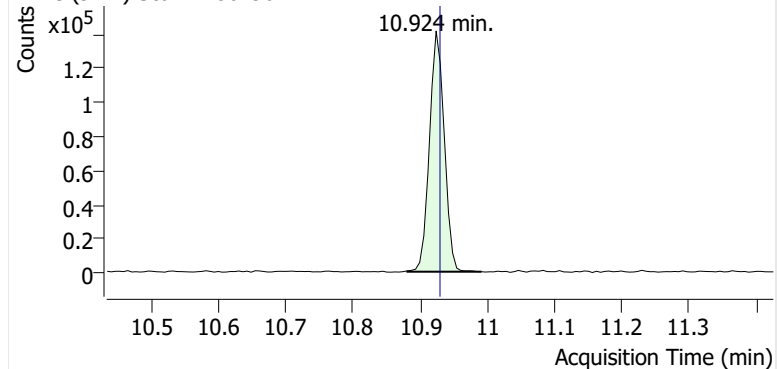
+ EIC (98.1) Scan K2501967.D



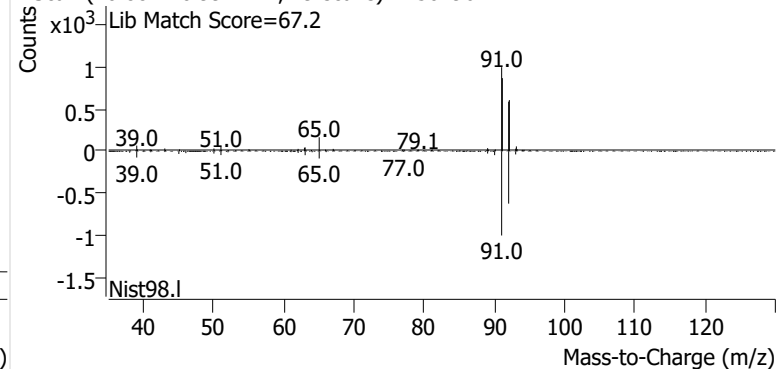
+ Scan (10.777-10.899 min, 21 scans) K2501967.D

**Toluene**

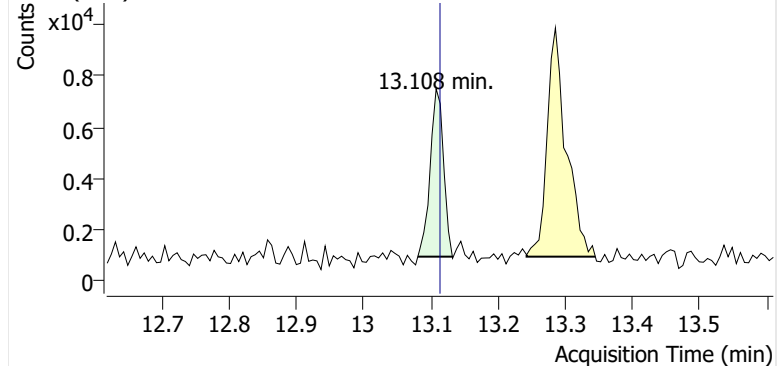
+ EIC (91.1) Scan K2501967.D



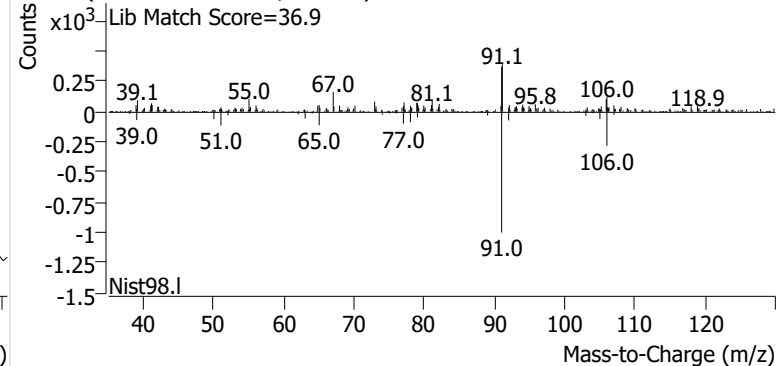
+ Scan (10.881-10.991 min, 19 scans) K2501967.D

**Ethylbenzene**

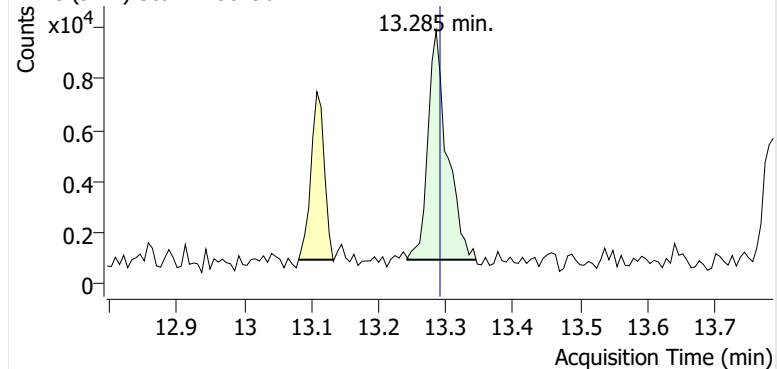
+ EIC (91.1) Scan K2501967.D



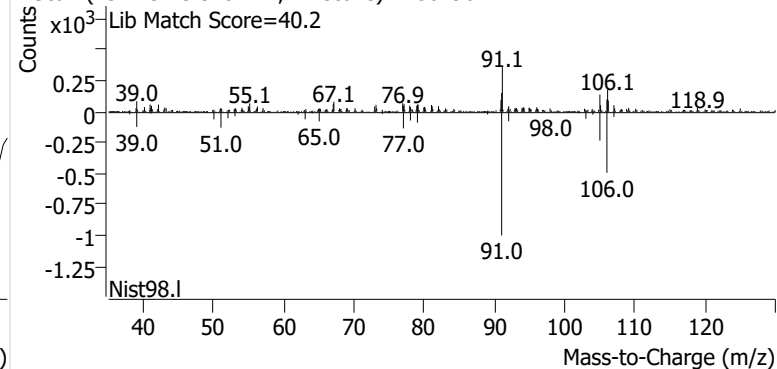
+ Scan (13.081-13.132 min, 8 scans) K2501967.D

**m-/p-Xylenes**

+ EIC (91.1) Scan K2501967.D

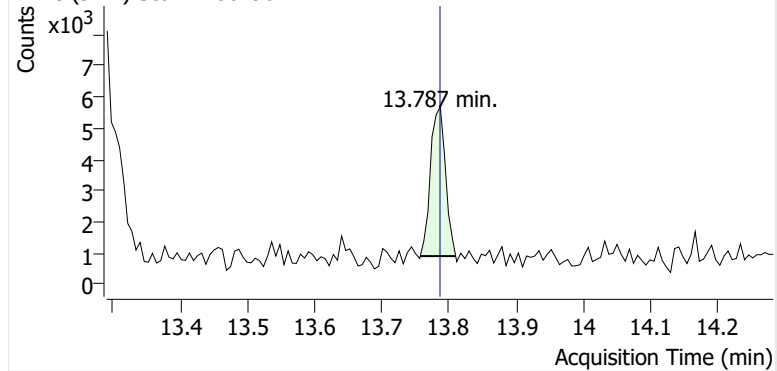


+ Scan (13.243-13.345 min, 17 scans) K2501967.D

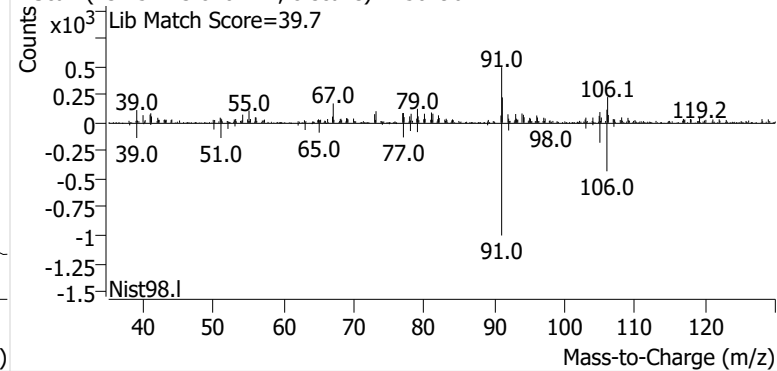


o-Xylene

+ EIC (91.1) Scan K2501967.D



+ Scan (13.757-13.810 min, 8 scans) K2501967.D



Calibration Summary Reports



Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Benzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501928.D	B11664	Cal	1.318	1.296	1.318	1.7%	-25%		Pass	
2025FW107 Method Blank-1	K2501929.D	C31401	Blank		1.296	1.318			-1.8%	Pass	ND
M325B CCV 5	K2501941.D	B29398	Cal	1.297	1.296	1.297	0.064%	-29%	-5.5%	Pass	
M325B CCV 5	K2501946.D	B14989	Check	1.289	1.296	1.297	-0.49%		-5.0%	Pass	
M325B CCV 5	K2501966.D	B46883	Check	1.259	1.296	1.297	-2.8%		-12%	Pass	
M325B CCV 5 REC	K2501968.D	B29398	Check	1.284	1.296	1.297	-0.93%		-14%	Pass	

Toluene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501928.D	B11664	Cal	1.412	1.430	1.412	-1.3%	-22%		Pass	
2025FW107 Method Blank-1	K2501929.D	C31401	Blank		1.430	1.412			-5.2%	Pass	ND
M325B CCV 5	K2501941.D	B29398	Cal	1.425	1.430	1.425	-0.36%	-26%	-5.2%	Pass	
M325B CCV 5	K2501946.D	B14989	Check	1.414	1.430	1.425	-1.1%		-5.5%	Pass	
M325B CCV 5	K2501966.D	B46883	Check	1.409	1.430	1.425	-1.5%		-13%	Pass	
M325B CCV 5 REC	K2501968.D	B29398	Check	1.434	1.430	1.425	0.27%		-14%	Pass	

Ethylbenzene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501928.D	B11664	Cal	1.552	1.613	1.552	-3.8%	-22%		Pass	
2025FW107 Method Blank-1	K2501929.D	C31401	Blank		1.613	1.552			-5.2%	Pass	ND
M325B CCV 5	K2501941.D	B29398	Cal	1.559	1.613	1.559	-3.3%	-26%	-5.2%	Pass	
M325B CCV 5	K2501946.D	B14989	Check	1.539	1.613	1.559	-4.5%		-5.5%	Pass	
M325B CCV 5	K2501966.D	B46883	Check	1.544	1.613	1.559	-4.3%		-13%	Pass	
M325B CCV 5 REC	K2501968.D	B29398	Check	1.560	1.613	1.559	-3.2%		-14%	Pass	

m-/p-Xylenes Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501928.D	B11664	Cal	1.159	1.228	1.159	-5.6%	-22%		Pass	
2025FW107 Method Blank-1	K2501929.D	C31401	Blank		1.228	1.159			-5.2%	Pass	ND
M325B CCV 5	K2501941.D	B29398	Cal	1.137	1.228	1.137	-7.4%	-26%	-5.2%	Pass	
M325B CCV 5	K2501946.D	B14989	Check	1.098	1.228	1.137	-11%		-5.5%	Pass	
M325B CCV 5	K2501966.D	B46883	Check	1.125	1.228	1.137	-8.3%		-13%	Pass	
M325B CCV 5 REC	K2501968.D	B29398	Check	1.176	1.228	1.137	-4.2%		-14%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.
Job No.: 2025FW107-1 EPA Method 325B Analysis
Site: Portland Pipeline - S Portland, ME

o-Xylene Calibration and Blanks

Sample Code	Data File	Tube ID	Type	RRF	ICAL RRF	Last CCV RRF	RRF Change	ISTD Change vs ICal	ISTD Change vs Concal	Pass/Fail	Flags
M325B CCV 5	K2501928.D	B11664	Cal	1.161	1.190	1.161	-2.4%	-22%		Pass	
2025FW107 Method Blank-1	K2501929.D	C31401	Blank		1.190	1.161			-5.2%	Pass	ND
M325B CCV 5	K2501941.D	B29398	Cal	1.154	1.190	1.154	-3.0%	-26%	-5.2%	Pass	
M325B CCV 5	K2501946.D	B14989	Check	1.097	1.190	1.154	-7.8%		-5.5%	Pass	
M325B CCV 5	K2501966.D	B46883	Check	1.162	1.190	1.154	-2.4%		-13%	Pass	
M325B CCV 5 REC	K2501968.D	B29398	Check	1.176	1.190	1.154	-1.2%		-14%	Pass	

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	Benzene	1	K2500836.D	4.87	60961	54.6	470007	1.453	0.12
K021725A_CC252679	Benzene	2	K2500837.D	9.75	108056	54.6	454349	1.332	0.028
K021725A_CC252679	Benzene	3	K2500838.D	19.50	219655	54.6	462733	1.329	0.026
K021725A_CC252679	Benzene	4	K2500839.D	39.00	426611	54.6	460489	1.297	0.00091
K021725A_CC252679	Benzene	5	K2500840.D	97.50	1059922	54.6	453461	1.309	0.01
K021725A_CC252679	Benzene	6	K2500841.D	195.00	2225965	54.6	481267	1.295	-0.00059
K021725A_CC252679	Benzene	7	K2500842.D	585.00	5460167	54.6	482512	1.056	-0.18
						Avg:	466402	1.296	
						%RSD:	2.6%	9.2%	
K021725A_CC252679	Toluene	1	K2500836.D	5.27	62785	64.4	497628	1.542	0.079
K021725A_CC252679	Toluene	2	K2500837.D	10.54	116863	64.4	504527	1.416	-0.0099
K021725A_CC252679	Toluene	3	K2500838.D	21.08	239305	64.4	476466	1.535	0.073
K021725A_CC252679	Toluene	4	K2500839.D	42.17	495329	64.4	506087	1.495	0.046
K021725A_CC252679	Toluene	5	K2500840.D	105.42	1187739	64.4	508172	1.428	-0.00097
K021725A_CC252679	Toluene	6	K2500841.D	210.84	2305491	64.4	488656	1.442	0.0083
K021725A_CC252679	Toluene	7	K2500842.D	632.53	5451931	64.4	482622	1.151	-0.2
						Avg:	494880	1.430	
						%RSD:	2.5%	9.3%	
K021725A_CC252679	Ethylbenzene	1	K2500836.D	5.07	67599	64.4	497628	1.727	0.071
K021725A_CC252679	Ethylbenzene	2	K2500837.D	10.13	138414	64.4	504527	1.744	0.082
K021725A_CC252679	Ethylbenzene	3	K2500838.D	20.27	251452	64.4	476466	1.678	0.04
K021725A_CC252679	Ethylbenzene	4	K2500839.D	40.53	534332	64.4	506087	1.678	0.041
K021725A_CC252679	Ethylbenzene	5	K2500840.D	101.33	1240633	64.4	508172	1.552	-0.037
K021725A_CC252679	Ethylbenzene	6	K2500841.D	202.67	2473435	64.4	488656	1.609	-0.0021
K021725A_CC252679	Ethylbenzene	7	K2500842.D	608.00	5913180	64.4	482622	1.298	-0.19
						Avg:	494880	1.613	
						%RSD:	2.5%	9.5%	
K021725A_CC252679	m-/p-Xylenes	1	K2500836.D	4.79	45591	64.4	497628	1.234	0.0049
K021725A_CC252679	m-/p-Xylenes	2	K2500837.D	9.57	94827	64.4	504527	1.265	0.031
K021725A_CC252679	m-/p-Xylenes	3	K2500838.D	19.14	168093	64.4	476466	1.188	-0.033
K021725A_CC252679	m-/p-Xylenes	4	K2500839.D	38.28	401228	64.4	506087	1.334	0.087
K021725A_CC252679	m-/p-Xylenes	5	K2500840.D	95.70	850047	64.4	508172	1.126	-0.083
K021725A_CC252679	m-/p-Xylenes	6	K2500841.D	191.41	1751615	64.4	488656	1.207	-0.017
K021725A_CC252679	m-/p-Xylenes	7	K2500842.D	574.22	5330426	64.4	482622	1.239	0.0095
						Avg:	494880	1.228	
						%RSD:	2.5%	5.3%	
K021725A_CC252679	o-Xylene	1	K2500836.D	4.99	48135	64.4	497628	1.249	0.05
K021725A_CC252679	o-Xylene	2	K2500837.D	9.98	95828	64.4	504527	1.226	0.031
K021725A_CC252679	o-Xylene	3	K2500838.D	19.96	177325	64.4	476466	1.201	0.0097

Enthalpy Analytical

Company: Power Engineers, Inc.

Job No.: 2025FW107-1 EPA Method 325B Analysis

Site: Portland Pipeline - S Portland, ME

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	o-Xylene	4	K2500839.D	39.93	409734	64.4	506087	1.306	0.098
K021725A_CC252679	o-Xylene	5	K2500840.D	99.82	867973	64.4	508172	1.102	-0.073
K021725A_CC252679	o-Xylene	6	K2500841.D	199.64	1786921	64.4	488656	1.180	-0.0079
K021725A_CC252679	o-Xylene	7	K2500842.D	598.91	4765191	64.4	482622	1.062	-0.11
						Avg:	494880	1.190	
						%RSD:	2.5%	7.1%	

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
K021725A_CC252679	Benzene	ICV	K2500846.D	63.10	667735	54.6	470234	1.229	-5.2%
K021725A_CC252679	Toluene	ICV	K2500846.D	75.25	830821	64.4	512880	1.387	-3.0%
K021725A_CC252679	Ethylbenzene	ICV	K2500846.D	84.72	919736	64.4	512880	1.364	-15.0%
K021725A_CC252679	m-/p-Xylenes	ICV	K2500846.D	88.18	715651	64.4	512880	1.020	-17.0%
K021725A_CC252679	o-Xylene	ICV	K2500846.D	86.80	656650	64.4	512880	0.950	-20.0%

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