

All4, Inc.

2393 Kimberton Road
Kimberton, PA 19442

Coke Oven ICR Sampling Event #12

US Steel Corp - Clairton Works ICR

Project: 00701-0002.00

Analytical Report (2023EE107)

EPA Method 325B

1,3-Butadiene

Benzene

Ethylbenzene

m/p-Xylene

o-Xylene

Toluene



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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A handwritten signature in black ink, appearing to be 'Am. King', with a large loop at the end.

Report Issued: 04/18/2023



Summary of Results

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Summary

Sample Code	Tube ID	1,3-Butadiene (ug/m³)	Flag	Benzene (ug/m³)	Flag	Ethylbenzene (ug/m³)	Flag	m-/p-Xylenes (ug/m³)	Flag	o-Xylene (ug/m³)	Flag	Toluene (ug/m³)	Flag
USSCL-PT01-S-20230314	B50870		ND	13.0			ND		ND		ND	2.36	
USSCL-PT02-S-20230314	B52882		ND	6.00			ND		ND		ND	2.00	
USSCL-PT03-S-20230314	B27812		ND	8.50			ND		ND		ND	2.15	
USSCL-PT04-S-20230314	B20977		ND	5.81			ND		ND		ND	3.27	
USSCL-PT05-S-20230314	B29770		ND	3.45			ND		ND		ND	3.13	
USSCL-PT06-S-20230314	B42562		ND	4.31			ND		ND		ND	4.38	
USSCL-PT07-S-20230314	B46977		ND,Fe	2.03	Fe		ND,Fe		ND,Fe		ND,Fe	3.28	Fe
USSCL-PT08-S-20230314	B16311		ND	14.2			ND		ND		ND	6.04	
USSCL-PT09-S-20230314	C00686		ND	13.6			ND	1.34			ND	6.43	
USSCL-PT10-B-20230314	B34550		ND		ND		ND		ND		ND		ND
USSCL-PT10-D-20230314	C02023		ND	22.4			ND	1.40			ND	7.49	
USSCL-PT10-S-20230314	B52852		ND	22.7			ND	1.43			ND	7.44	
USSCL-PT11-S-20230314	B50777		ND	31.2			ND	1.33			ND	8.32	
USSCL-PT12-S-20230314	B18474		ND	7.26			ND		ND		ND	2.98	

Fe: Field error. See Report Narrative

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

Results

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

1,3-Butadiene

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
USSCL-PT01-S-20230314	B50870				40.1	0.434	18,772	0.656	0.656	0.297	0.297	ND
USSCL-PT02-S-20230314	B52882				40.1	0.434	18,771	0.656	0.656	0.297	0.297	ND
USSCL-PT03-S-20230314	B27812				40.1	0.434	18,771	0.656	0.656	0.297	0.297	ND
USSCL-PT04-S-20230314	B20977				40.1	0.434	18,771	0.656	0.656	0.297	0.297	ND
USSCL-PT05-S-20230314	B29770				40.1	0.434	18,770	0.656	0.656	0.297	0.297	ND
USSCL-PT06-S-20230314	B42562				40.1	0.434	18,769	0.656	0.656	0.297	0.297	ND
USSCL-PT07-S-20230314	B46977				40.1	0.434	18,769	0.656	0.656	0.297	0.297	ND,Fe
USSCL-PT08-S-20230314	B16311				40.1	0.434	18,818	0.655	0.655	0.296	0.296	ND
USSCL-PT09-S-20230314	C00686				40.1	0.434	18,820	0.654	0.654	0.296	0.296	ND
USSCL-PT10-B-20230314	B34550				40.1	0.434	18,815	0.655	0.655	0.296	0.296	ND
USSCL-PT10-D-20230314	C02023				40.1	0.434	18,817	0.655	0.655	0.296	0.296	ND
USSCL-PT10-S-20230314	B52852				40.1	0.434	18,819	0.655	0.655	0.296	0.296	ND
USSCL-PT11-S-20230314	B50777				40.1	0.434	18,817	0.655	0.655	0.296	0.296	ND
USSCL-PT12-S-20230314	B18474				40.1	0.434	18,816	0.655	0.655	0.296	0.296	ND

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230314	B50870	13.0	4.08	158	40.1	0.647	18,772	0.206	0.434	0.0645	0.136	
USSCL-PT02-S-20230314	B52882	6.00	1.88	72.8	40.1	0.647	18,771	0.206	0.434	0.0645	0.136	
USSCL-PT03-S-20230314	B27812	8.50	2.66	103	40.1	0.647	18,771	0.206	0.434	0.0645	0.136	
USSCL-PT04-S-20230314	B20977	5.81	1.82	70.5	40.1	0.647	18,771	0.206	0.434	0.0645	0.136	
USSCL-PT05-S-20230314	B29770	3.45	1.08	41.9	40.1	0.647	18,770	0.206	0.434	0.0645	0.136	
USSCL-PT06-S-20230314	B42562	4.31	1.35	52.3	40.1	0.647	18,769	0.206	0.434	0.0645	0.136	
USSCL-PT07-S-20230314	B46977	2.03	0.635	24.6	40.1	0.647	18,769	0.206	0.434	0.0645	0.136	Fe
USSCL-PT08-S-20230314	B16311	14.2	4.44	173	40.1	0.647	18,818	0.205	0.433	0.0644	0.136	
USSCL-PT09-S-20230314	C00686	13.6	4.26	165	40.1	0.647	18,820	0.205	0.433	0.0644	0.136	
USSCL-PT10-B-20230314	B34550				40.1	0.647	18,815	0.206	0.433	0.0644	0.136	ND
USSCL-PT10-D-20230314	C02023	22.4	7.02	273	40.1	0.647	18,817	0.205	0.433	0.0644	0.136	
USSCL-PT10-S-20230314	B52852	22.7	7.10	276	40.1	0.647	18,819	0.205	0.433	0.0644	0.136	
USSCL-PT11-S-20230314	B50777	31.2	9.78	380	40.1	0.647	18,817	0.205	0.433	0.0644	0.136	
USSCL-PT12-S-20230314	B18474	7.26	2.27	88.3	40.1	0.647	18,816	0.206	0.433	0.0644	0.136	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230314	B50870				40.1	0.444	18,772	1.30	1.30	0.300	0.300	ND
USSCL-PT02-S-20230314	B52882				40.1	0.444	18,771	1.30	1.30	0.300	0.300	ND
USSCL-PT03-S-20230314	B27812				40.1	0.444	18,771	1.30	1.30	0.300	0.300	ND
USSCL-PT04-S-20230314	B20977				40.1	0.444	18,771	1.30	1.30	0.300	0.300	ND
USSCL-PT05-S-20230314	B29770				40.1	0.444	18,770	1.30	1.30	0.300	0.300	ND
USSCL-PT06-S-20230314	B42562				40.1	0.444	18,769	1.30	1.30	0.300	0.300	ND
USSCL-PT07-S-20230314	B46977				40.1	0.444	18,769	1.30	1.30	0.300	0.300	ND,Fe
USSCL-PT08-S-20230314	B16311				40.1	0.444	18,818	1.30	1.30	0.299	0.299	ND
USSCL-PT09-S-20230314	C00686				40.1	0.444	18,820	1.30	1.30	0.299	0.299	ND
USSCL-PT10-B-20230314	B34550				40.1	0.444	18,815	1.30	1.30	0.299	0.299	ND
USSCL-PT10-D-20230314	C02023				40.1	0.444	18,817	1.30	1.30	0.299	0.299	ND
USSCL-PT10-S-20230314	B52852				40.1	0.444	18,819	1.30	1.30	0.299	0.299	ND
USSCL-PT11-S-20230314	B50777				40.1	0.444	18,817	1.30	1.30	0.299	0.299	ND
USSCL-PT12-S-20230314	B18474				40.1	0.444	18,816	1.30	1.30	0.299	0.299	ND

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230314	B50870				40.1	0.444	18,772	1.31	1.31	0.302	0.302	ND
USSCL-PT02-S-20230314	B52882				40.1	0.444	18,771	1.31	1.31	0.302	0.302	ND
USSCL-PT03-S-20230314	B27812				40.1	0.444	18,771	1.31	1.31	0.302	0.302	ND
USSCL-PT04-S-20230314	B20977				40.1	0.444	18,771	1.31	1.31	0.302	0.302	ND
USSCL-PT05-S-20230314	B29770				40.1	0.444	18,770	1.31	1.31	0.302	0.302	ND
USSCL-PT06-S-20230314	B42562				40.1	0.444	18,769	1.31	1.31	0.302	0.302	ND
USSCL-PT07-S-20230314	B46977				40.1	0.444	18,769	1.31	1.31	0.302	0.302	ND,Fe
USSCL-PT08-S-20230314	B16311				40.1	0.444	18,818	1.31	1.31	0.301	0.301	ND
USSCL-PT09-S-20230314	C00686	1.34	0.308	11.2	40.1	0.444	18,820	1.31	1.31	0.301	0.301	
USSCL-PT10-B-20230314	B34550				40.1	0.444	18,815	1.31	1.31	0.301	0.301	ND
USSCL-PT10-D-20230314	C02023	1.40	0.323	11.7	40.1	0.444	18,817	1.31	1.31	0.301	0.301	
USSCL-PT10-S-20230314	B52852	1.43	0.329	11.9	40.1	0.444	18,819	1.31	1.31	0.301	0.301	
USSCL-PT11-S-20230314	B50777	1.33	0.306	11.1	40.1	0.444	18,817	1.31	1.31	0.301	0.301	
USSCL-PT12-S-20230314	B18474				40.1	0.444	18,816	1.31	1.31	0.301	0.301	ND

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230314	B50870				40.1	0.444	18,772	1.32	1.32	0.303	0.303	ND
USSCL-PT02-S-20230314	B52882				40.1	0.444	18,771	1.32	1.32	0.303	0.303	ND
USSCL-PT03-S-20230314	B27812				40.1	0.444	18,771	1.32	1.32	0.303	0.303	ND
USSCL-PT04-S-20230314	B20977				40.1	0.444	18,771	1.32	1.32	0.303	0.303	ND
USSCL-PT05-S-20230314	B29770				40.1	0.444	18,770	1.32	1.32	0.303	0.303	ND
USSCL-PT06-S-20230314	B42562				40.1	0.444	18,769	1.32	1.32	0.303	0.303	ND
USSCL-PT07-S-20230314	B46977				40.1	0.444	18,769	1.32	1.32	0.303	0.303	ND,Fe
USSCL-PT08-S-20230314	B16311				40.1	0.444	18,818	1.31	1.31	0.302	0.302	ND
USSCL-PT09-S-20230314	C00686				40.1	0.444	18,820	1.31	1.31	0.302	0.302	ND
USSCL-PT10-B-20230314	B34550				40.1	0.444	18,815	1.31	1.31	0.303	0.303	ND
USSCL-PT10-D-20230314	C02023				40.1	0.444	18,817	1.31	1.31	0.302	0.302	ND
USSCL-PT10-S-20230314	B52852				40.1	0.444	18,819	1.31	1.31	0.302	0.302	ND
USSCL-PT11-S-20230314	B50777				40.1	0.444	18,817	1.31	1.31	0.302	0.302	ND
USSCL-PT12-S-20230314	B18474				40.1	0.444	18,816	1.31	1.31	0.303	0.303	ND

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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
USSCL-PT01-S-20230314	B50870	2.36	0.625	22.2	40.1	0.502	18,772	1.16	1.16	0.309	0.309	
USSCL-PT02-S-20230314	B52882	2.00	0.530	18.8	40.1	0.502	18,771	1.16	1.16	0.309	0.309	
USSCL-PT03-S-20230314	B27812	2.15	0.572	20.3	40.1	0.502	18,771	1.16	1.16	0.309	0.309	
USSCL-PT04-S-20230314	B20977	3.27	0.869	30.8	40.1	0.502	18,771	1.16	1.16	0.309	0.309	
USSCL-PT05-S-20230314	B29770	3.13	0.831	29.5	40.1	0.502	18,770	1.16	1.16	0.309	0.309	
USSCL-PT06-S-20230314	B42562	4.38	1.16	41.3	40.1	0.502	18,769	1.16	1.16	0.309	0.309	
USSCL-PT07-S-20230314	B46977	3.28	0.872	30.9	40.1	0.502	18,769	1.16	1.16	0.309	0.309	Fe
USSCL-PT08-S-20230314	B16311	6.04	1.60	57.0	40.1	0.502	18,818	1.16	1.16	0.308	0.308	
USSCL-PT09-S-20230314	C00686	6.43	1.71	60.7	40.1	0.502	18,820	1.16	1.16	0.308	0.308	
USSCL-PT10-B-20230314	B34550				40.1	0.502	18,815	1.16	1.16	0.308	0.308	ND
USSCL-PT10-D-20230314	C02023	7.49	1.99	70.7	40.1	0.502	18,817	1.16	1.16	0.308	0.308	
USSCL-PT10-S-20230314	B52852	7.44	1.98	70.3	40.1	0.502	18,819	1.16	1.16	0.308	0.308	
USSCL-PT11-S-20230314	B50777	8.32	2.21	78.5	40.1	0.502	18,817	1.16	1.16	0.308	0.308	
USSCL-PT12-S-20230314	B18474	2.98	0.790	28.1	40.1	0.502	18,816	1.16	1.16	0.308	0.308	

Fe: Field error. See Report Narrative

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

QC

Enthalpy Analytical

Company: All4, Inc.
Job No.: 2023EE107-1 EPA Method 325B Analysis
Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

QC Samples

Field Sample Type	Sample Code	1,3-Butadiene		Benzene		Ethylbenzene		m-/p-Xylenes		o-Xylene		Toluene	
Blanks (ug/m³)	USSCL-PT10-B-20230314	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass	ND	Pass
Duplicates (difference)	USSCL-PT10-D-20230314		Pass	1.1%	Pass		Pass	1.8%	Pass		Pass	0.62%	Pass

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	All4, Inc.
Site	US Steel Corp - Clairton Works ICR
Project	00701-0002.00
Report #	2023EE107

Custody	<p>Sarah Roberts of Enthalpy Analytical, LLC received the thermal desorption sample tubes on 03/28/2023. The tubes were received in good condition at a temperature of 13.8 °C.</p> <p>Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.</p>
Analysis	<p>The thermal desorption tube samples were analyzed for benzene, 1,3-butadiene, toluene, ethylbenzene, m/p-xylene, and o-xylene using EPA Method 325B, Volatile Organic Compounds from Fugitive and Area Sources by Thermal Desorption and GC/MS.</p> <p>The Agilent Technologies Model 8890, Gas Chromatograph "Voldemort" (S/N US2215A022) was equipped with a 5977 Mass Selective Detector (S/N US2210M022) for these analyses.</p> <p>The Perkin-Elmer ATD-650 Thermal Desorber introduced the samples and standards to the analyzer.</p>
Chromatographic Conditions	<p>A copy of the acquisition method (M325B-TD-CRYO9.M) is not included in this report but may be available upon request.</p>
Calibration	<p>The lowest calibration level for ICAL V033023A_BUT_BTEX did not meet method criteria for Toluene, Ethylbenzene, m-/p-Xylene, or o-Xylene and was excluded from the calibration. This results in the LOQ (Limit of Quantitation) being elevated for these analytes. The integrity of the reported data is not compromised. The initial calibration (V033023A_BUT_BTEX) met all other 30% RSD criteria.</p> <p>All BFB criteria have been met for this analysis. 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.</p>
QC Notes	<p>All internal standard response and retention time criteria were met for these analyses.</p> <p>The field blank and lab (method) blank met the requirements of the method.</p> <p>The duplicate samples met the 30% difference criterion specified by the method.</p>



Enthalpy Analytical Narrative Summary (continued)

Reporting Notes

It was noted on the COC that the sampling tube (tube ID B46977) at location PT07 was found on the ground during sample media collection. The data for this sample has been flagged "Fe" to denote a field sampling error.

A portion of each sample (or calibration standard) was recollected onto the original sample tube after internal standard was added in the initial analysis to allow for reanalysis if necessary. An "Rc" flag indicates that a reanalysis has been performed and the resulting data have been included in the report.

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

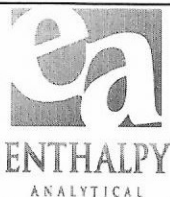
All samples were reported as amount in ng catch, and concentration in $\mu\text{g}/\text{m}^3$ and ppbv.

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



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

Page # 1 of 2 #

- ☒ Standard Turn Around Time (10 business days)
☐ Rush Turn Around Time
 • All TATs Subject to Approval by Enthalpy Analytical, Inc.
 • Unless otherwise specified, sample tubes will be conditioned for re-use 3 business days after submission of results

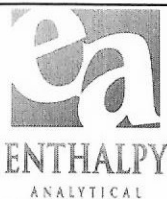
Site Name: US Steel Corp- Clairton Works				Client Name: ALL4 LLC				PO#:	
Site Address: 400 State Street				Project Number: 00701-0002.00				Sample Event #	
City: Clairton				Project Manager: Dustin Snare				Sorbent:	
State: PA				Email Address: dsnares@all4inc.com					
Zip: 15025				Telephone #: (610) 422-1126					

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)
PT01-230314-S	B50870	S	23/03/14	9:02 AM	23/03/27	9:54 AM	SRG		
PT02-230314-S	B52882	S	23/03/14	9:06 AM	23/03/27	9:57 AM	SRG		
PT03-230314-S	B278212	S	23/03/14	9:10 AM	23/03/27	10:01 AM	SRG		
PT04-230314-S	B20977	S	23/03/14	9:13 AM	23/03/27	10:04 AM	SRG		
PT05-230314-S	B29770	S	23/03/14	9:18 AM	23/03/27	10:08 AM	SRG		
PT06-230314-S	B42562	S	23/03/14	9:27 AM	23/03/27	10:16 AM	SRG		
PT07-230314-S	B46977	S	23/03/14	9:23 AM	23/03/27	10:12 AM	SRG		
PT08-230314-S	B16311	S	23/03/14	9:33 AM	23/03/27	11:11 AM	SRG		

Relinquished By (printed): Stacy Arner		Relinquished By (signature): <i>Stacy R Arner</i>		Relinquished Date: 23/03/27		Relinquished Time: 12:15 PM	
Received By (printed): Sarah Roberts		Received By (signature): <i>Sarah Roberts</i>		Receipt Date: 3/28/23		Receipt Time: 10:00	
Sample Condition Upon Receipt: GOOD		Compound List:		Custody Seal intact? Y/N: Yes		Delivery tracking #	
Ice Temp: -0.1	Blank Temp: 13.8	FLUKE 3		Add Custody Seal # below: 22M01143			

Comments: PT07-230314-S sample tube was knocked out of the shelter and found on the ground. Tube ID is B27812 per tube list and tube. SER 3/28/23

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

Site Name: US Steel Corp - Clairton Works				Client Name: ALL4 LLC				PO#:	
Site Address: 400 State Street				Project Number: 00701 - 0002.00				Sample Event #	
City: Clairton				Project Manager: Dustin Snare				Sorbent:	
State: PA				Email Address: dsnares@all4inc.com					
Zip: 15025				Telephone #: (412) 422-1126					

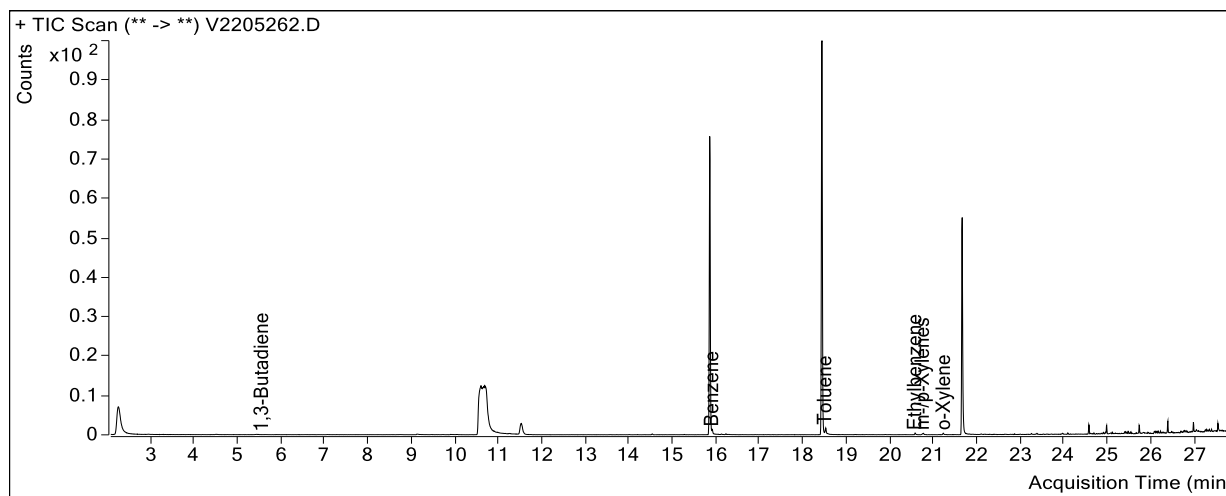
Location	Sample ID (Tube ID)	Sample, Blank or Duplicate	Start Date	Start Time	Stop Date	Stop Time	Deployed/ Collected by	Ave. Pressure (inHg)	Avg. Ambient Temp. (°F)
PT09-230314-S	C60686	S	23/03/14	9:37 AM	23/03/27	11:17 AM	SLA		
PT10-230314-D	B34550	B	23/03/14	9:46 AM	23/03/27	11:21 AM	SLA		
PT10-230314-D	C62023	D	23/03/14	9:45 AM	23/03/27	11:22 AM	SLA		
PT10-230314-S	B52852	S	23/03/14	9:44 AM	23/03/27	11:23 AM	SLA		
PT11-230314-S	B50777	S	23/03/14	9:48 AM	23/03/27	11:25 AM	SLA		
PT12-230314-S	B18474	S	23/03/14	9:51 AM	23/03/27	11:27 AM	SLA		
							/		
							/		

Relinquished By (printed): Stacy Arner		Relinquished By (signature): <i>Stacy Arner</i>		Relinquished Date: 23/03/27		Relinquished Time: 12:15 PM	
Received By (printed): Sarah Roberts		Received By (signature): <i>Sarah Roberts</i>		Receipt Date: 3/28/23		Receipt Time: 10:00	
Sample Condition Upon Receipt: GOOD		Compound List:		Custody Seal intact? Y/N: Yes		Delivery tracking #	
Ice Temp: -0.1	Blank Temp: 13.8	FLUKE 3		Add Custody Seal # below: 22M01143			

Comments:

Sample Chromatograms

Sample Name : 2023EE107 Method Blank-1
Sample Info : B12103
Data File : V2205262.D
Acquisition Date : 2023-04-01 04:14:46
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

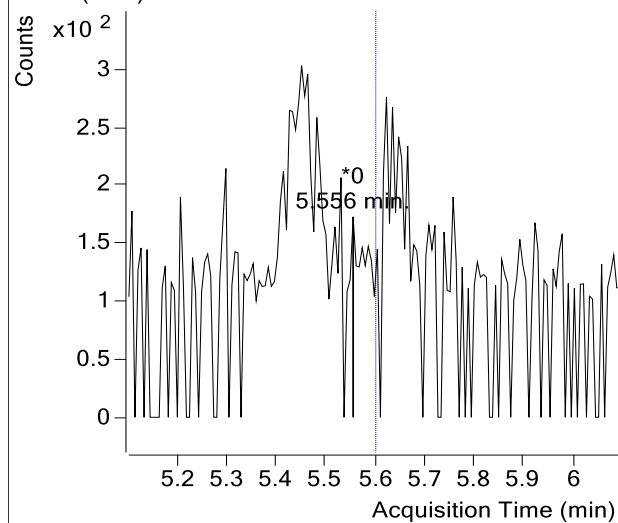


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	0	m
Benzene-d6 (IS)	15.84	839,151	
Benzene	15.90	15,154	m
Toluene-d8 (IS)	18.42	815,121	
Toluene	18.51	13,362	
Ethylbenzene	20.57	4,333	
m-/p-Xylenes	20.75	4,558	
o-Xylene	21.21	3,802	

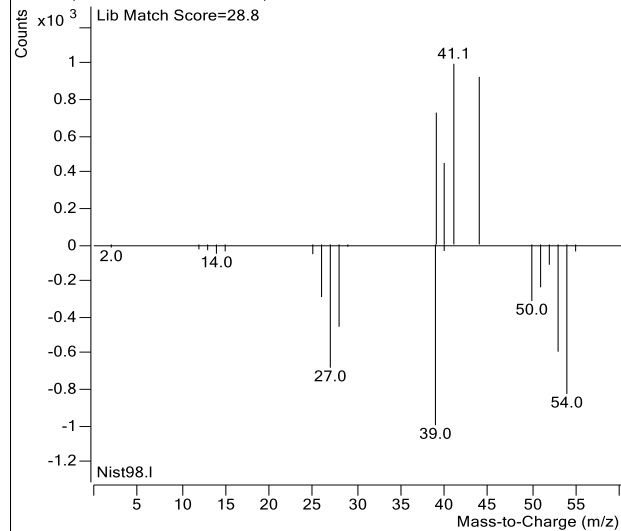
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205262.D

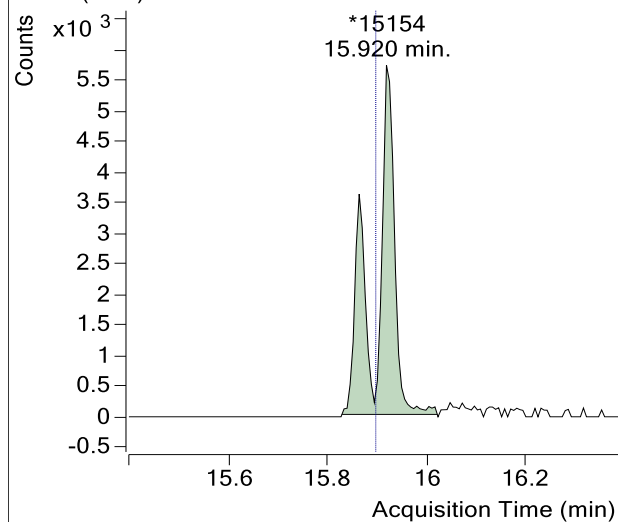


+ Scan (5.556-5.556 min, 1 scans) V2205262.D

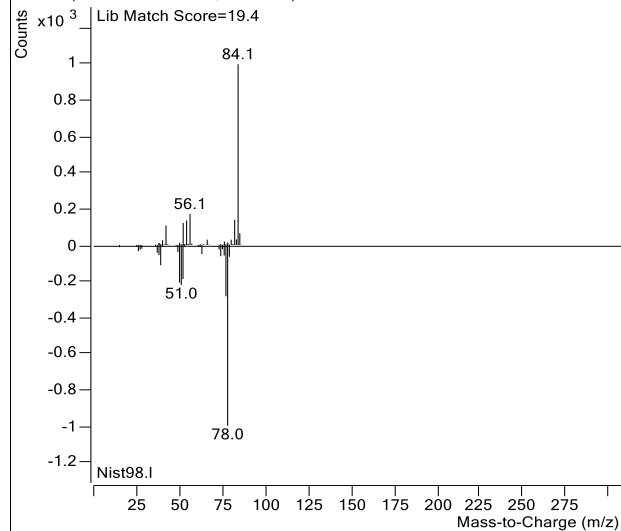


Benzene

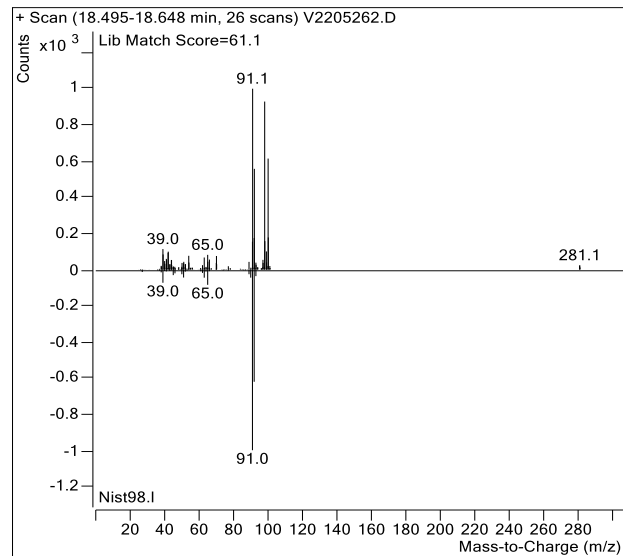
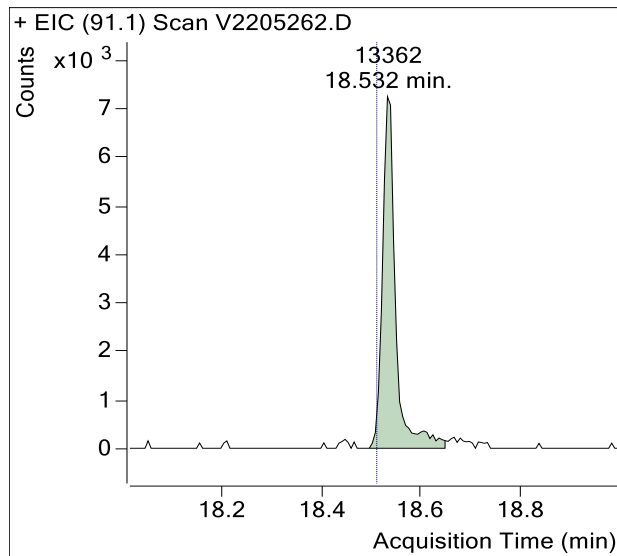
+ EIC (78.1) Scan V2205262.D



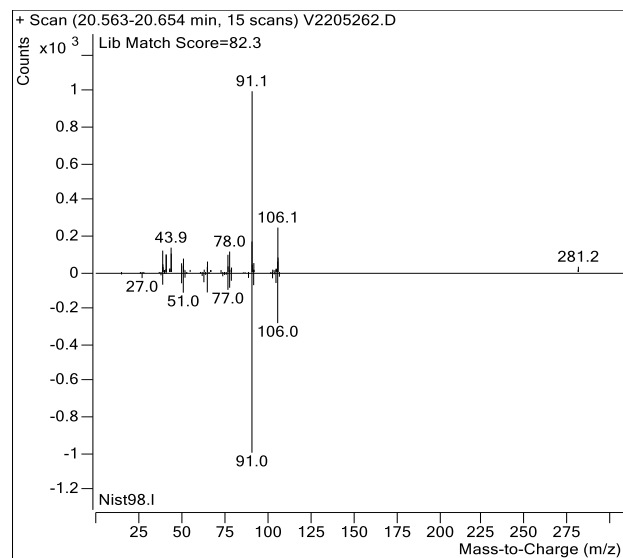
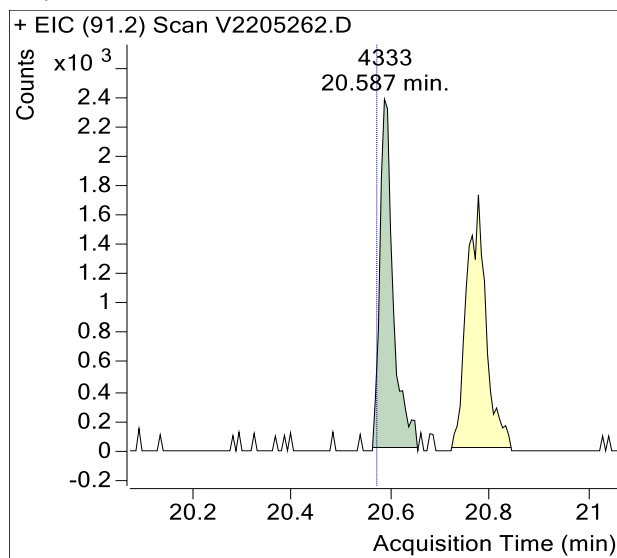
+ Scan (15.830-16.022 min, 32 scans) V2205262.D



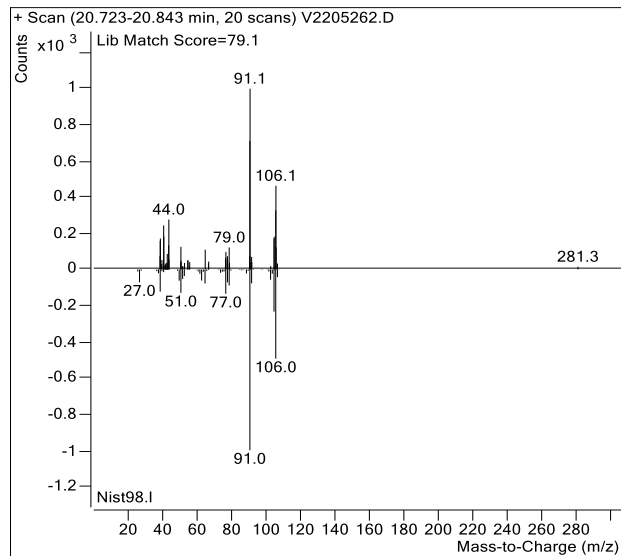
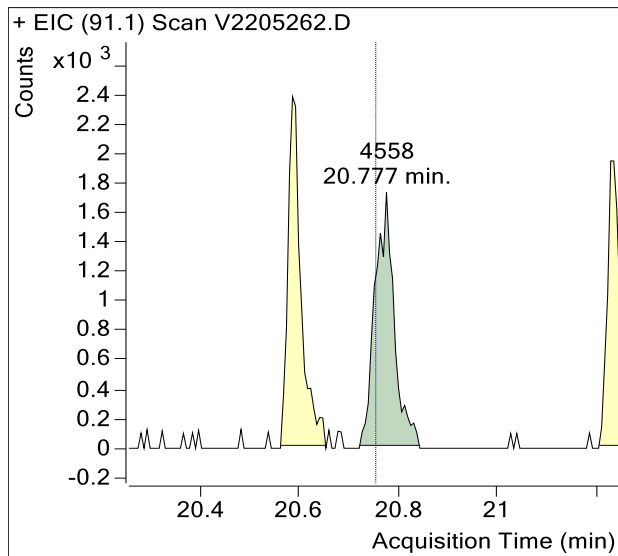
Toluene



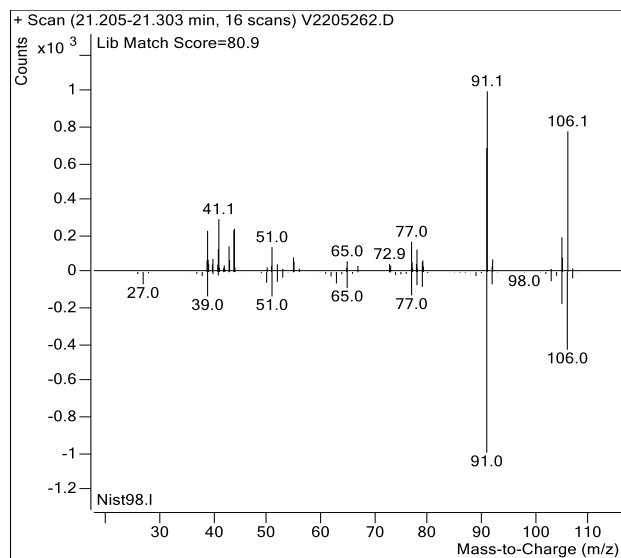
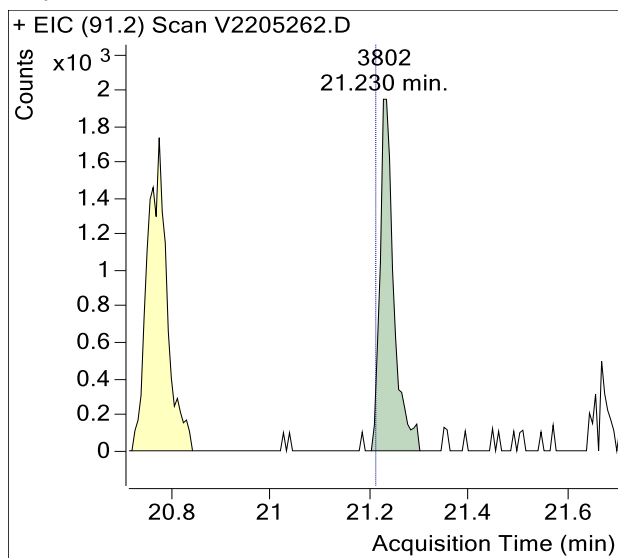
Ethylbenzene



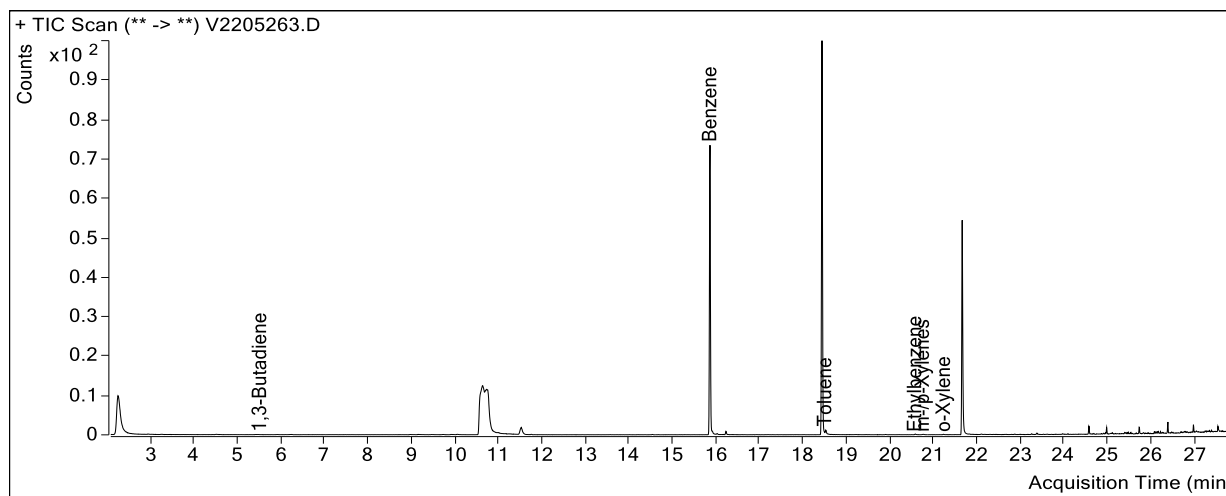
m-/p-Xylenes



o-Xylene



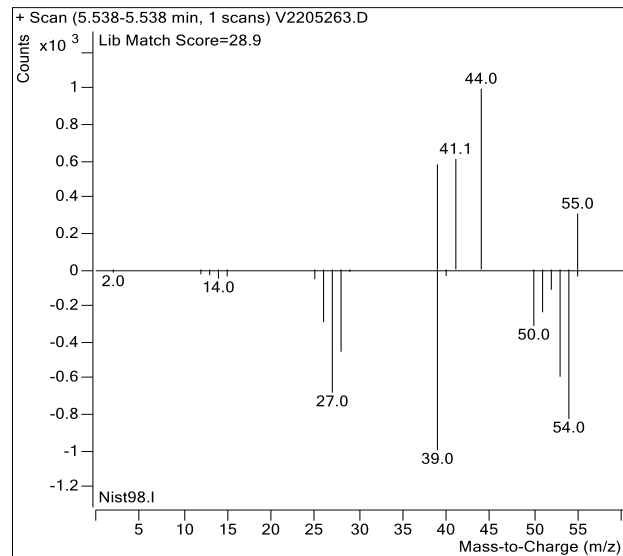
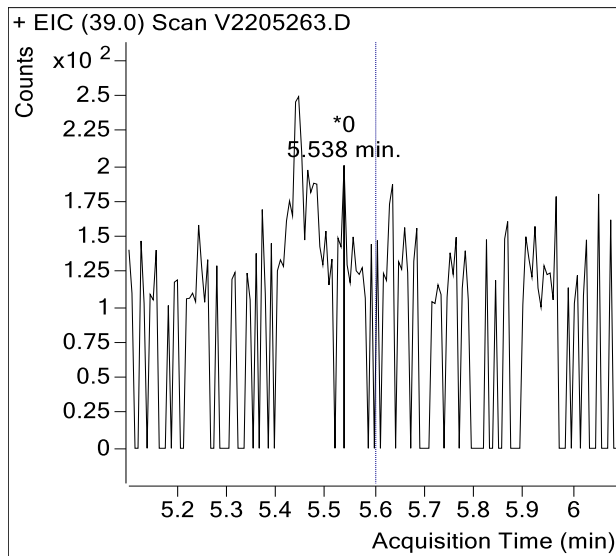
Sample Name : USSCL-PT10-B-20230314
Sample Info : B34550
Data File : V2205263.D
Acquisition Date : 2023-04-01 04:54:38
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



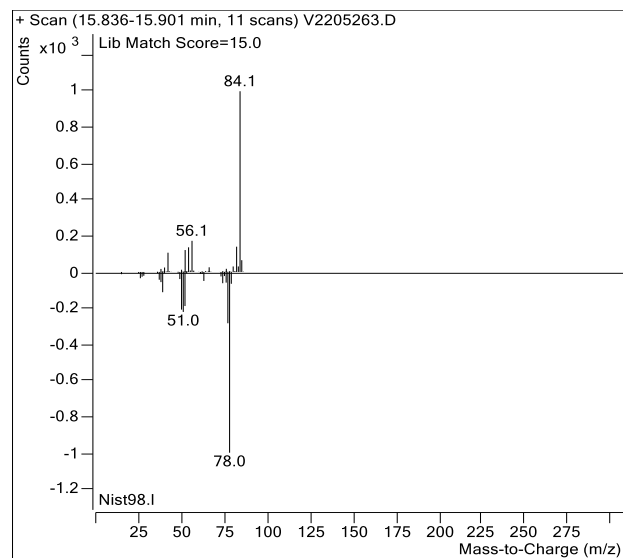
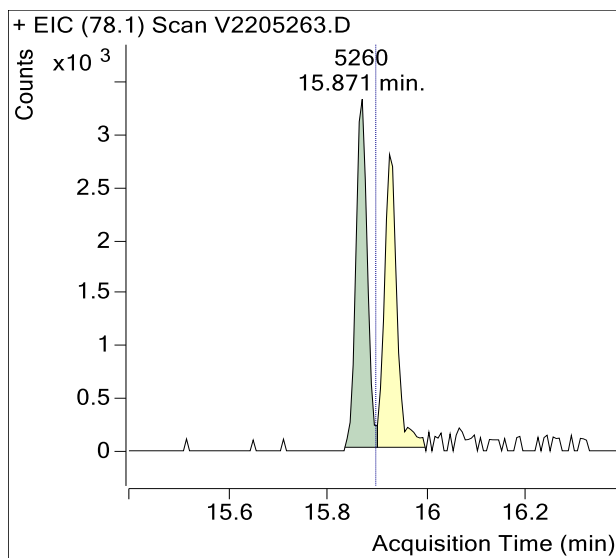
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	0	m
Benzene-d6 (IS)	15.84	841,841	
Benzene	15.90	5,260	
Toluene-d8 (IS)	18.42	820,134	
Toluene	18.51	9,682	
Ethylbenzene	20.57	2,632	
m-/p-Xylenes	20.75	1,969	
o-Xylene	21.21	1,351	

(m)=Manual Integration

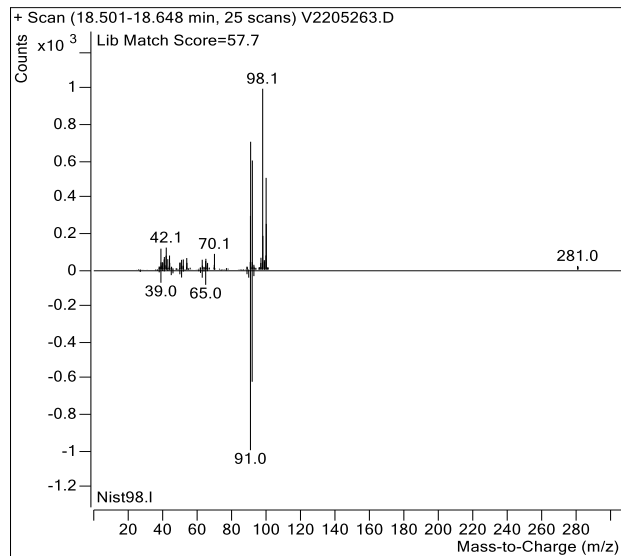
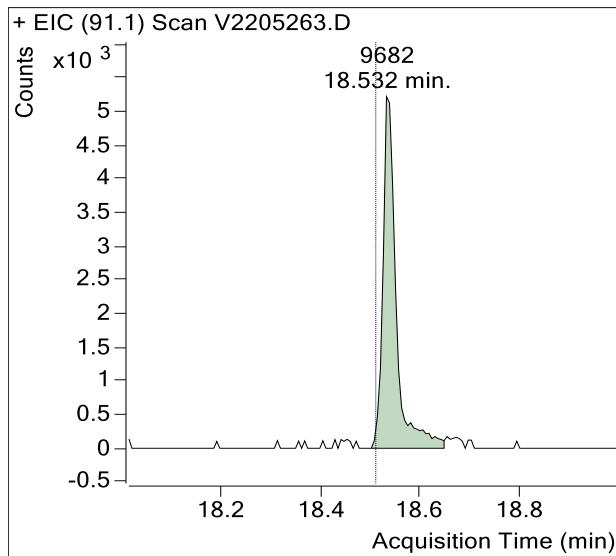
1,3-Butadiene



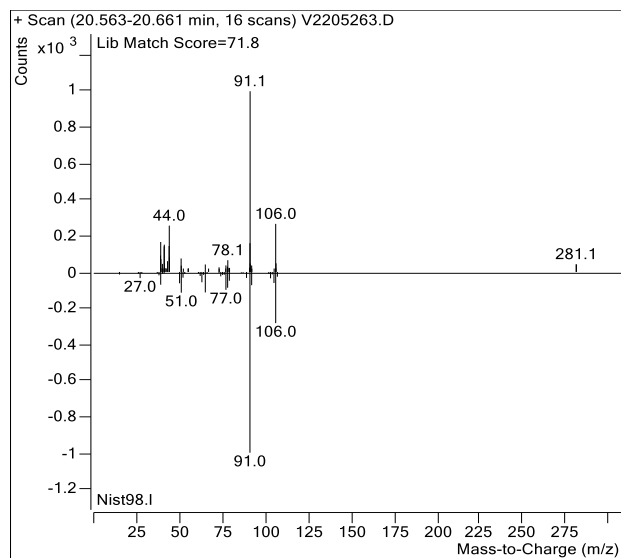
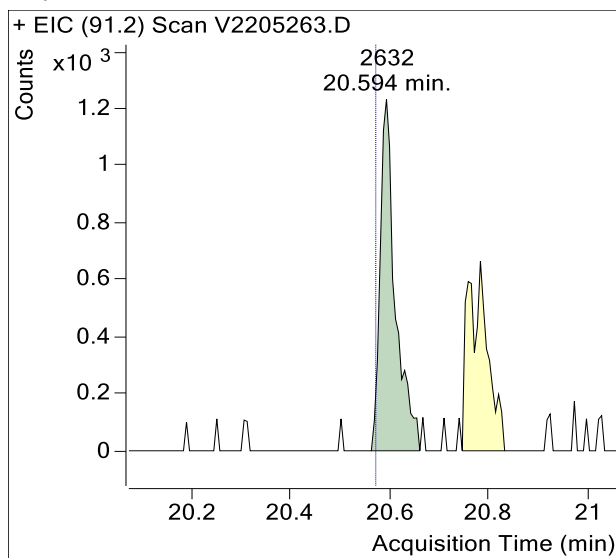
Benzene



Toluene

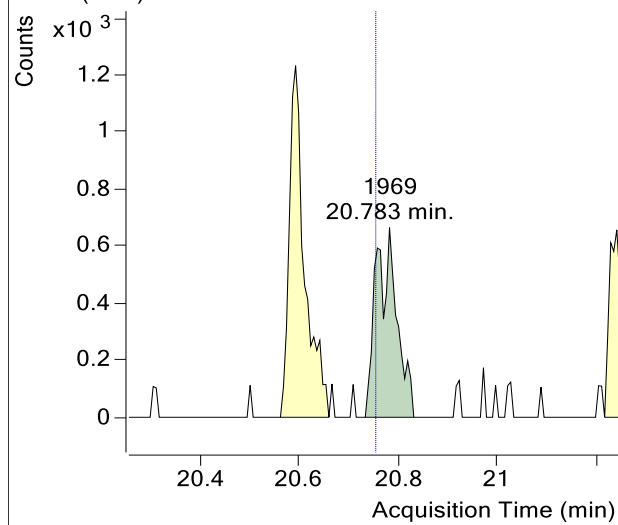


Ethylbenzene

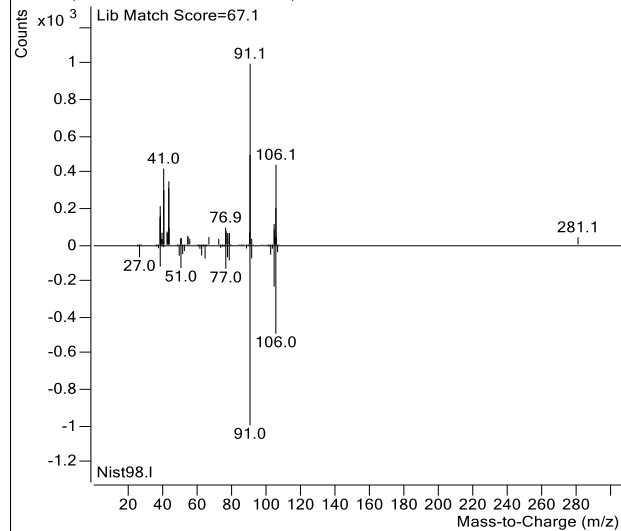


m-/p-Xylenes

+ EIC (91.1) Scan V2205263.D

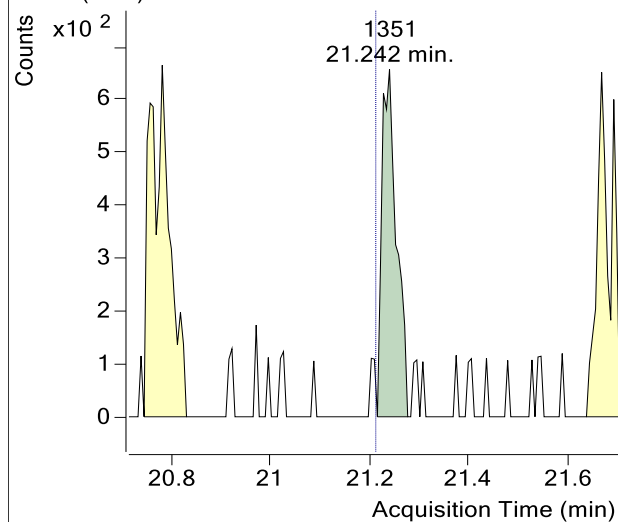


+ Scan (20.734-20.832 min, 16 scans) V2205263.D

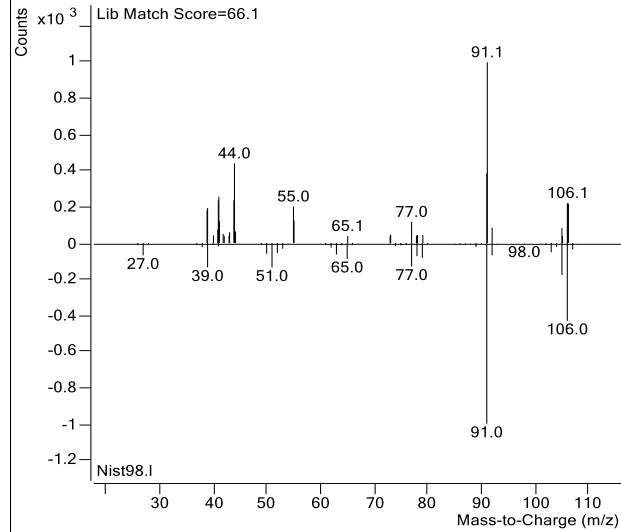


o-Xylene

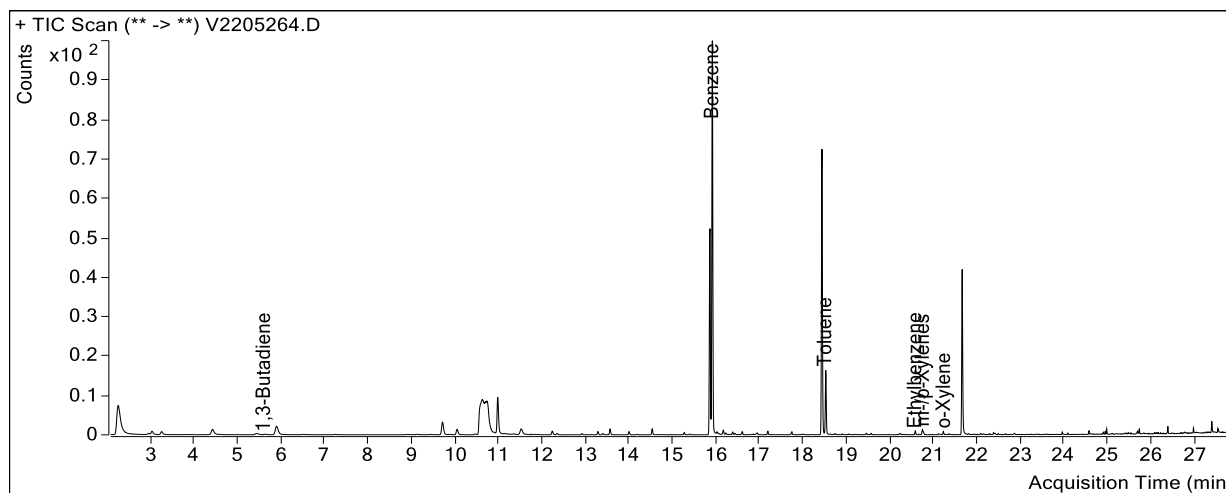
+ EIC (91.2) Scan V2205263.D



+ Scan (21.218-21.279 min, 10 scans) V2205263.D



Sample Name : USSCL-PT01-S-20230314
Sample Info : B50870
Data File : V2205264.D
Acquisition Date : 2023-04-01 05:34:27
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

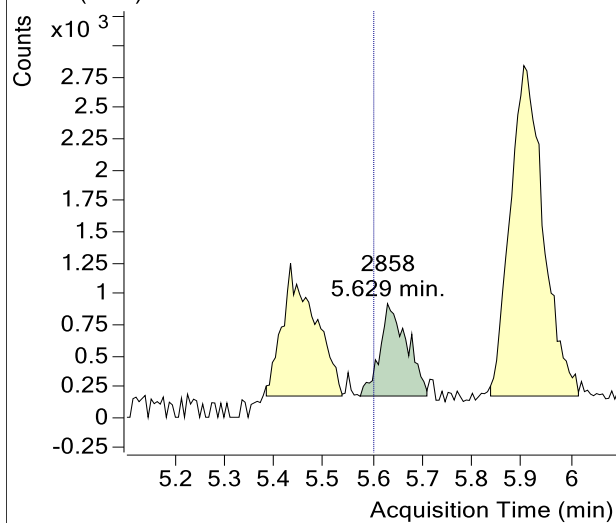


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,858	
Benzene-d6 (IS)	15.84	832,840	
Benzene	15.90	1,472,345	
Toluene-d8 (IS)	18.42	807,997	
Toluene	18.51	197,342	
Ethylbenzene	20.57	12,405	
m-/p-Xylenes	20.75	20,558	
o-Xylene	21.21	7,887	

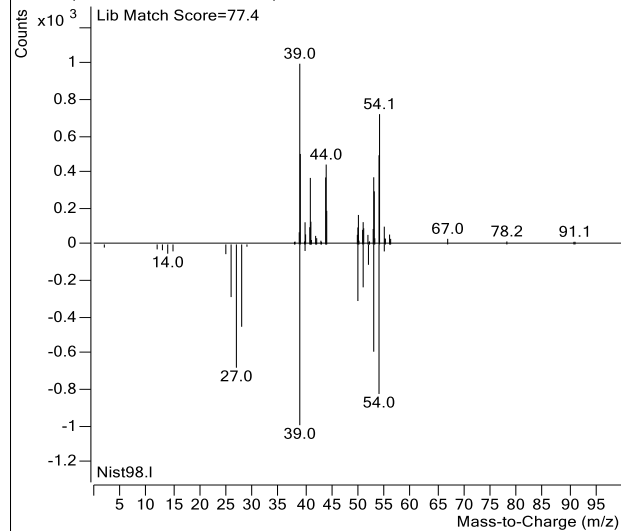
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205264.D

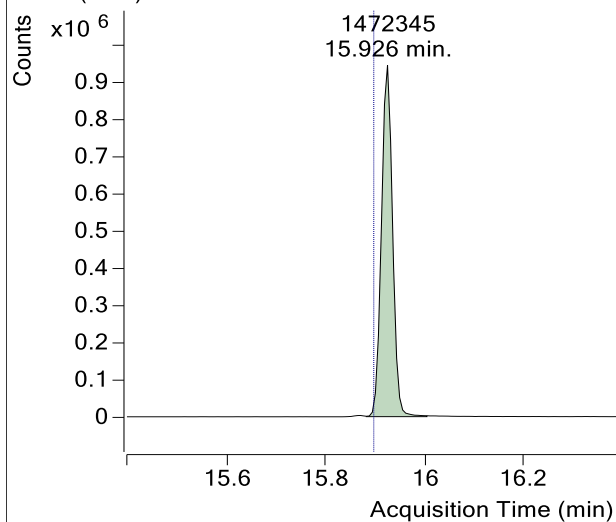


+ Scan (5.575-5.709 min, 22 scans) V2205264.D

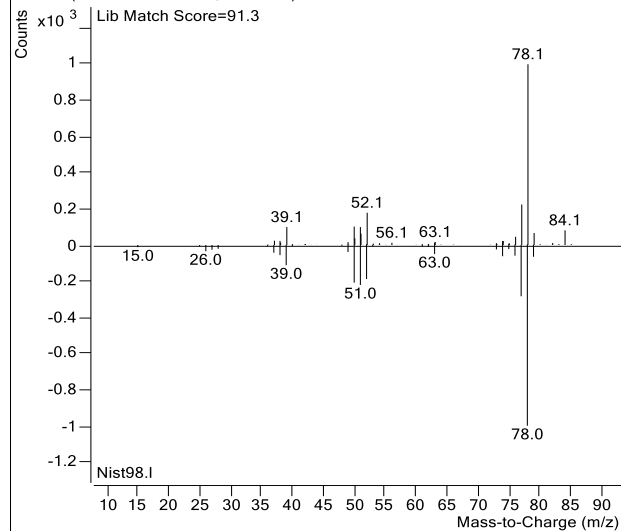


Benzene

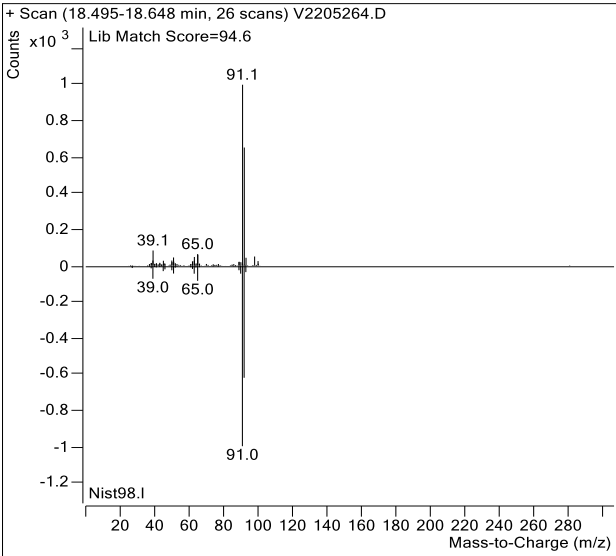
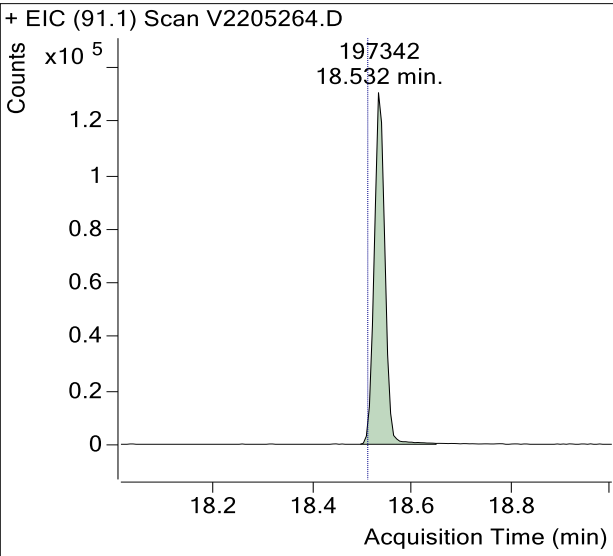
+ EIC (78.1) Scan V2205264.D



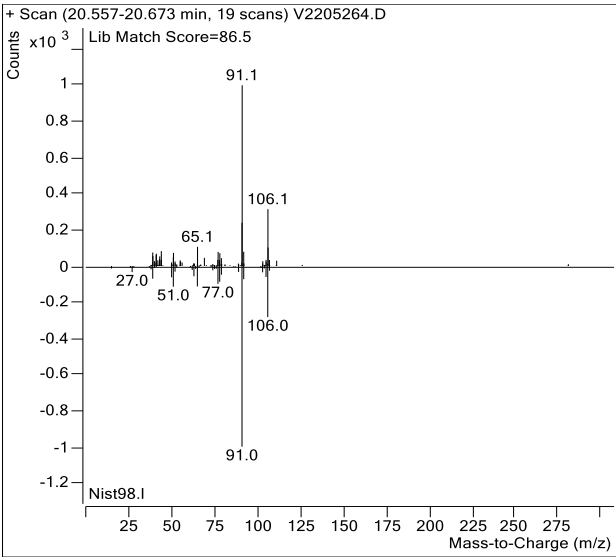
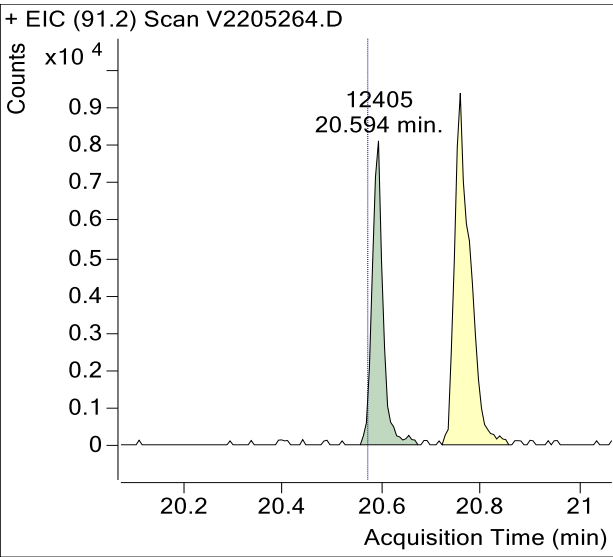
+ Scan (15.883-16.005 min, 21 scans) V2205264.D



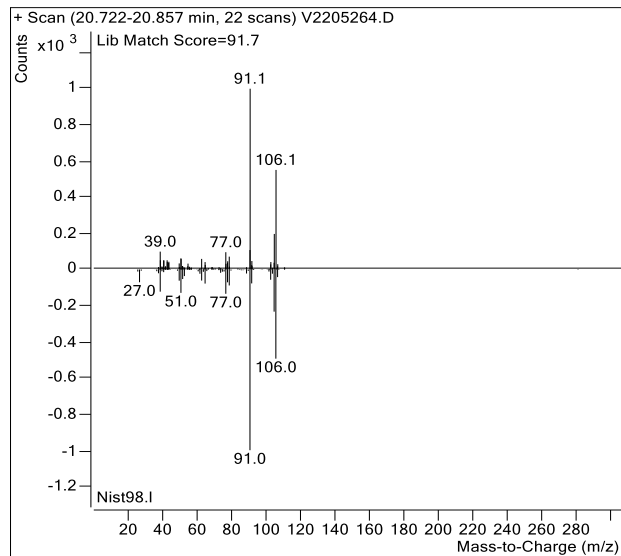
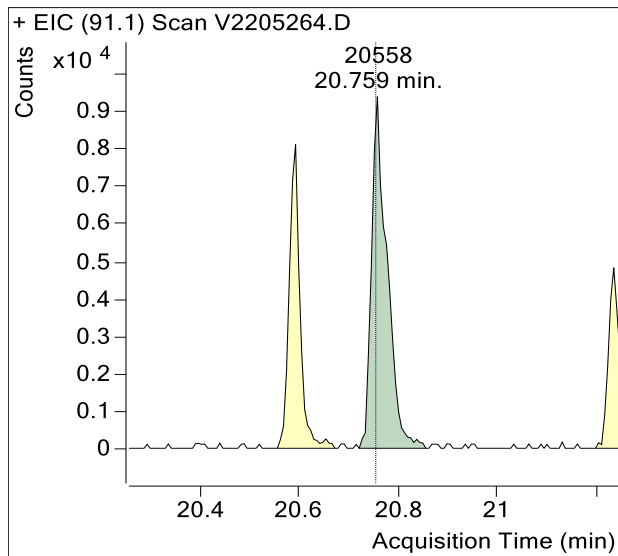
Toluene



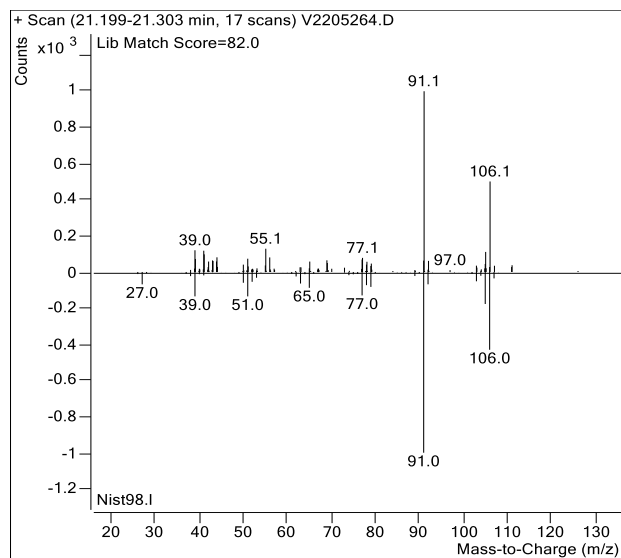
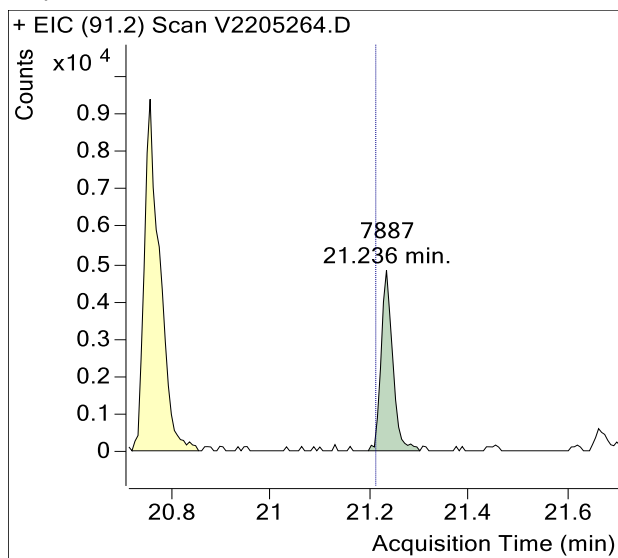
Ethylbenzene



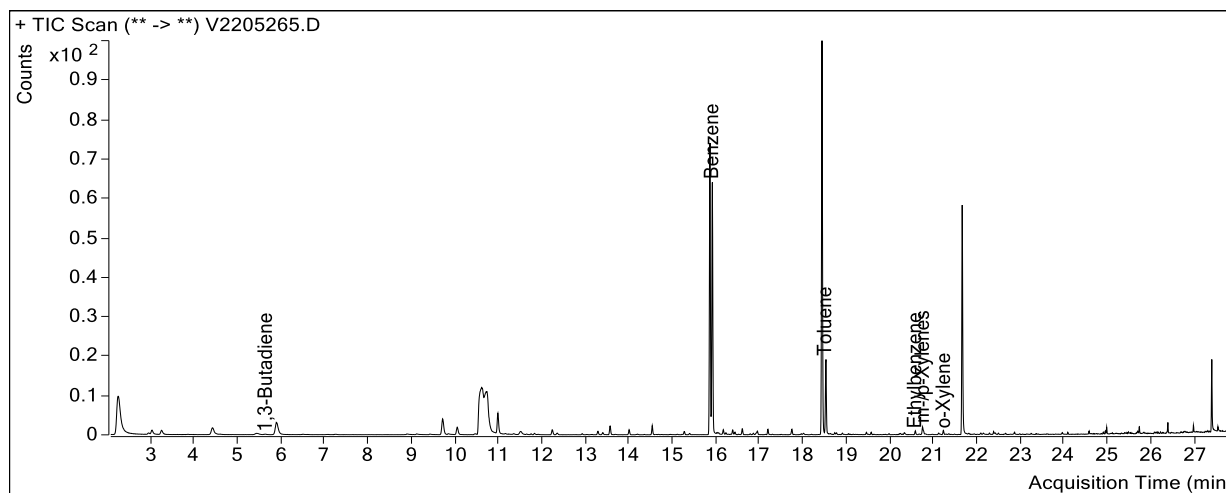
m-/p-Xylenes



o-Xylene



Sample Name : USSCL-PT02-S-20230314
Sample Info : B52882
Data File : V2205265.D
Acquisition Date : 2023-04-01 06:14:17
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

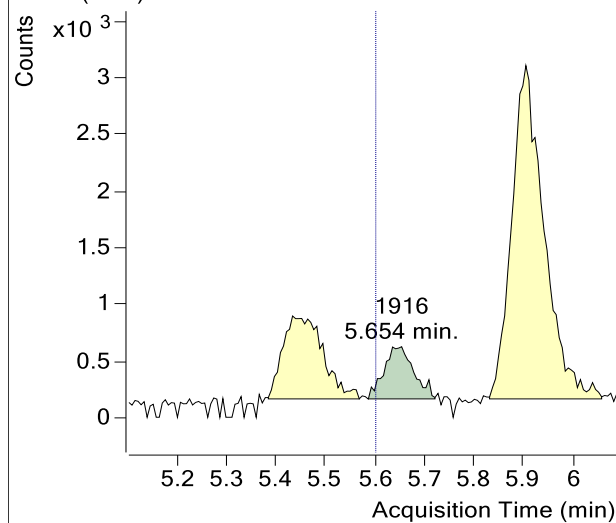


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	1,916	
Benzene-d6 (IS)	15.84	839,551	
Benzene	15.90	683,802	
Toluene-d8 (IS)	18.42	814,390	
Toluene	18.51	168,558	
Ethylbenzene	20.57	9,872	
m-/p-Xylenes	20.75	21,735	
o-Xylene	21.21	8,924	

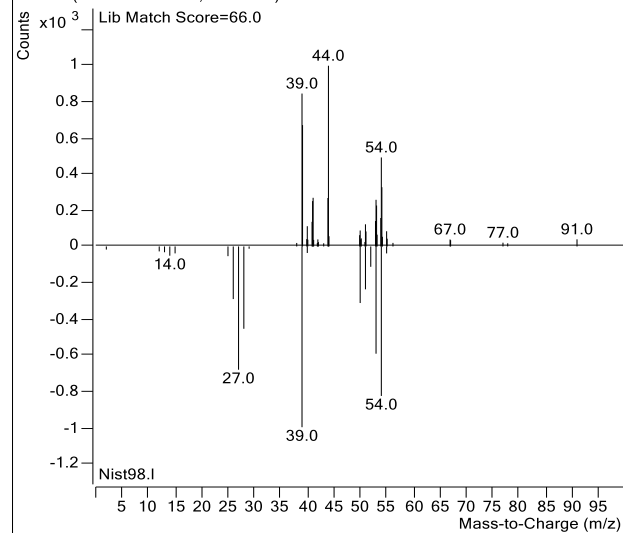
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205265.D

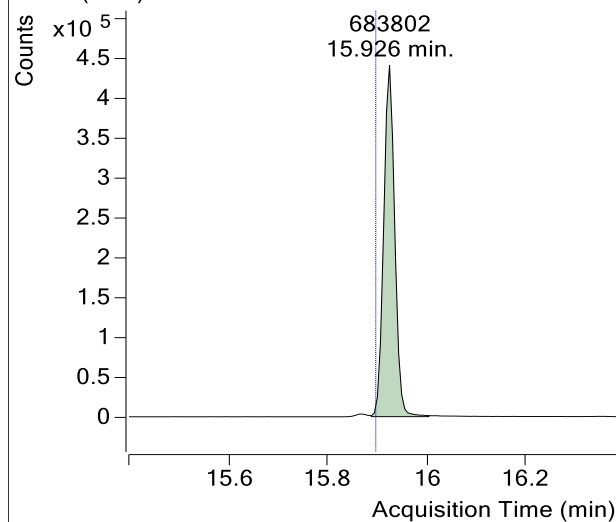


+ Scan (5.587-5.721 min, 22 scans) V2205265.D

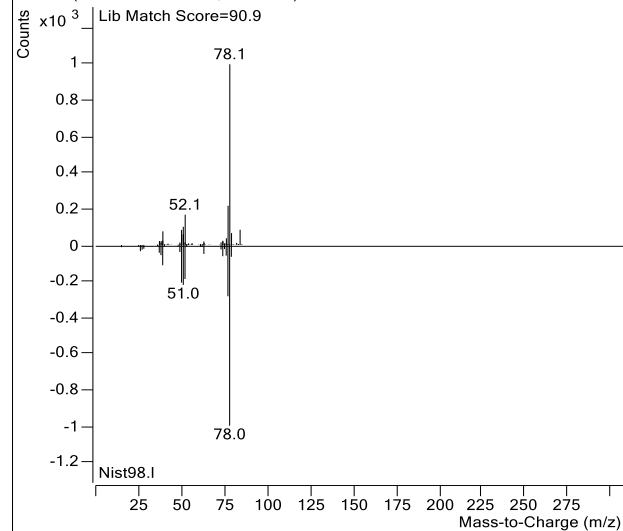


Benzene

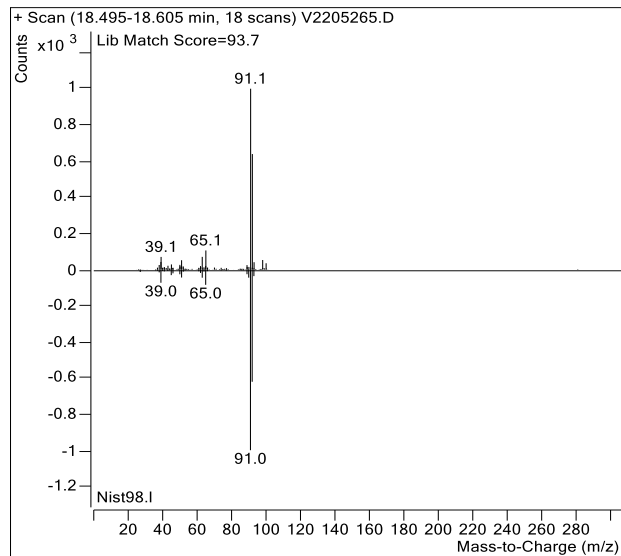
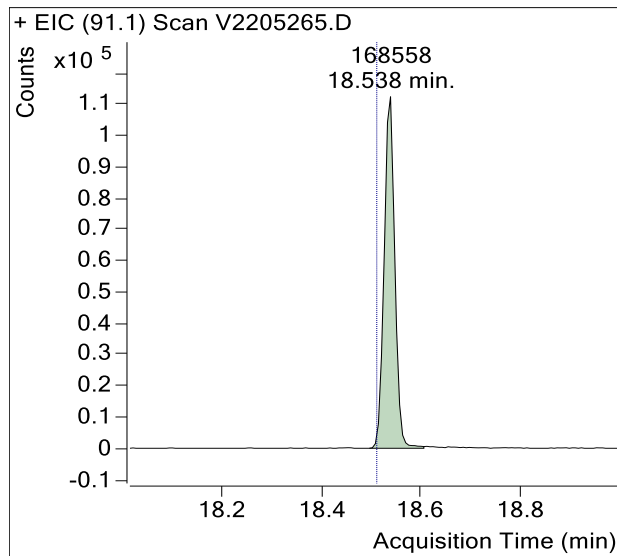
+ EIC (78.1) Scan V2205265.D



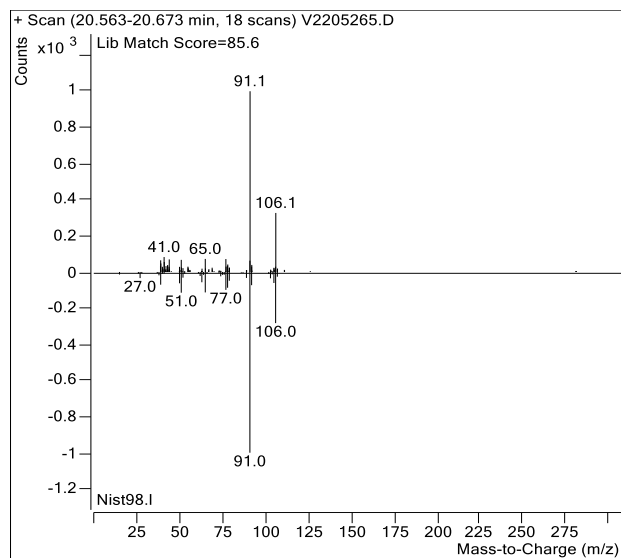
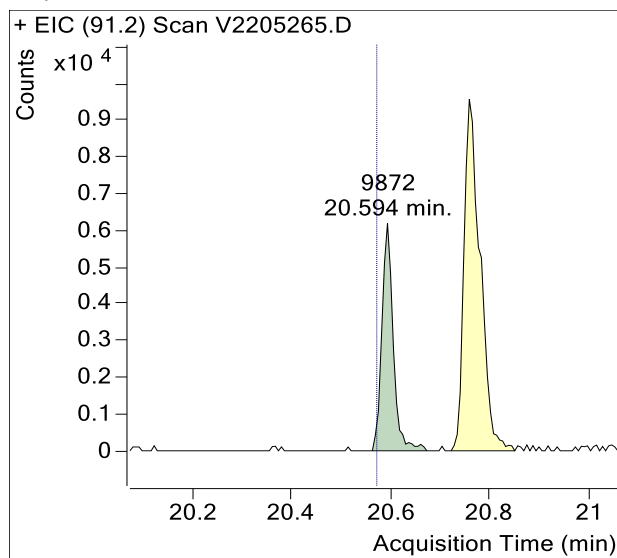
+ Scan (15.889-16.005 min, 19 scans) V2205265.D



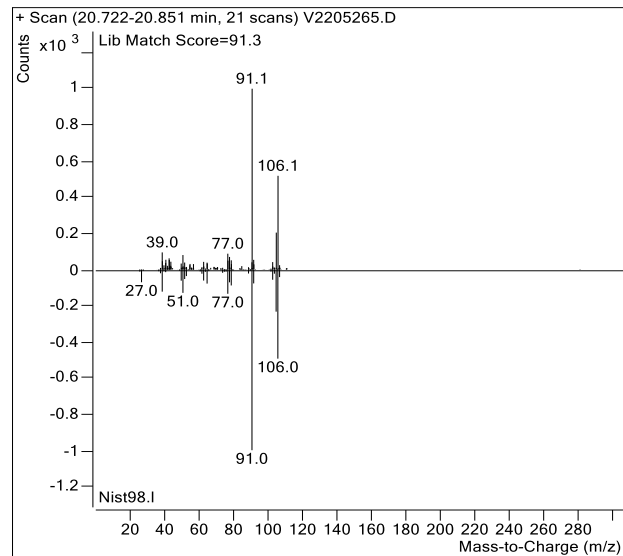
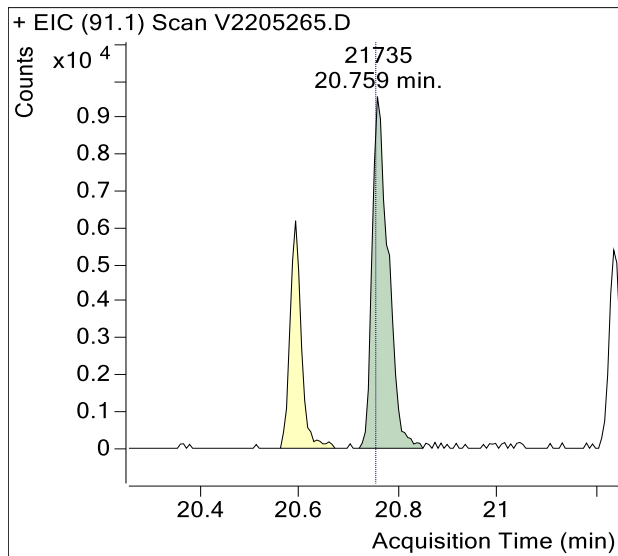
Toluene



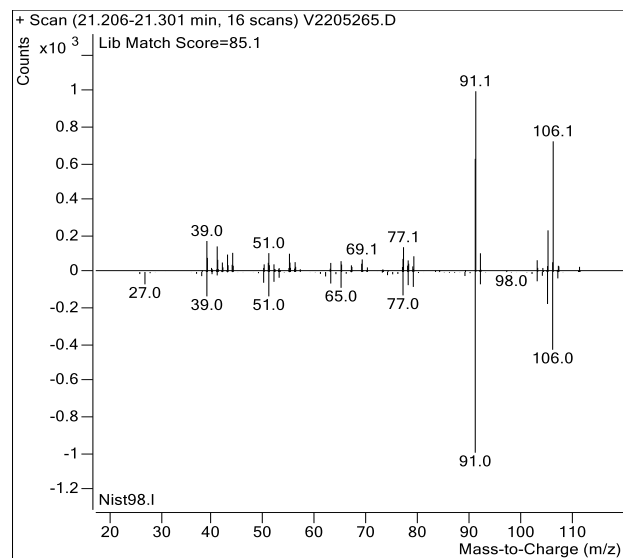
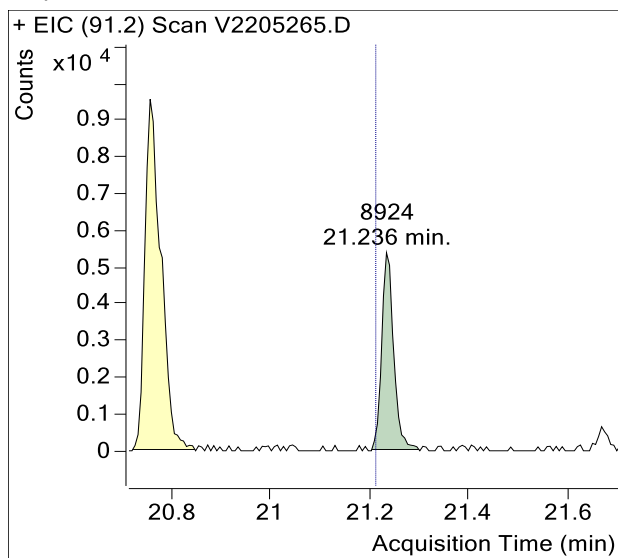
Ethylbenzene



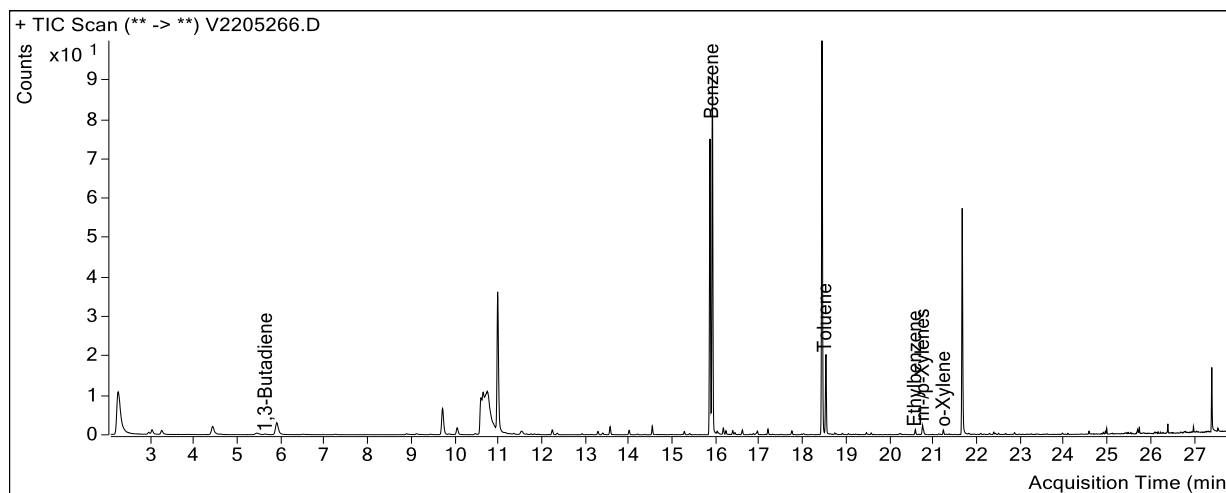
m-/p-Xylenes



o-Xylene



Sample Name : USSCL-PT03-S-20230314
Sample Info : B27812
Data File : V2205266.D
Acquisition Date : 2023-04-01 06:54:07
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

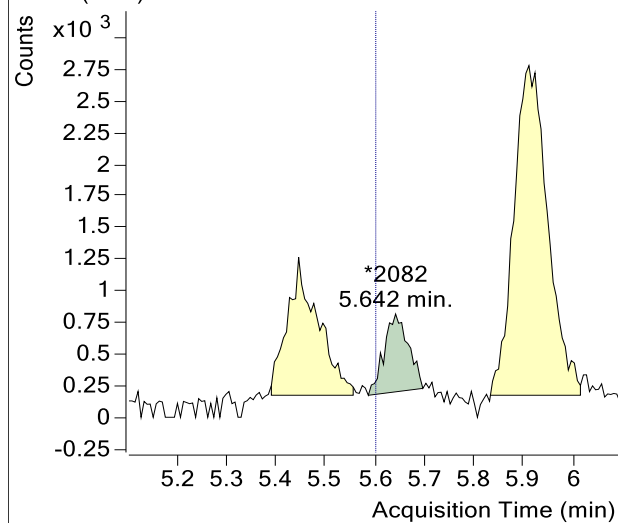


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,082	m
Benzene-d6 (IS)	15.84	848,841	
Benzene	15.90	979,330	
Toluene-d8 (IS)	18.42	818,811	
Toluene	18.51	182,787	
Ethylbenzene	20.57	13,456	
m-/p-Xylenes	20.75	26,991	
o-Xylene	21.21	10,184	

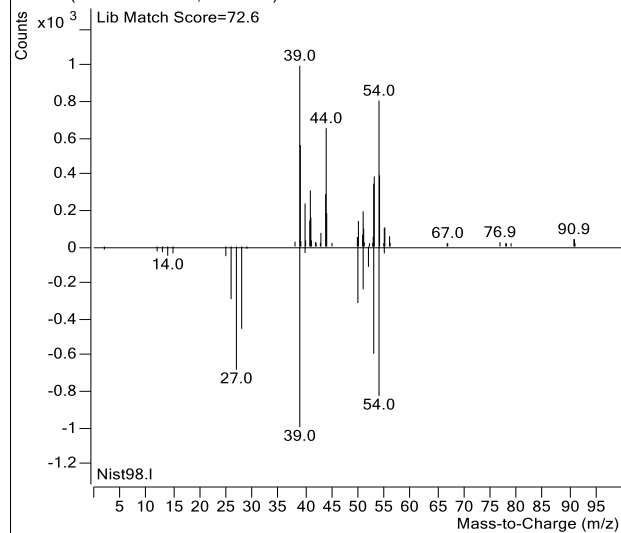
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205266.D

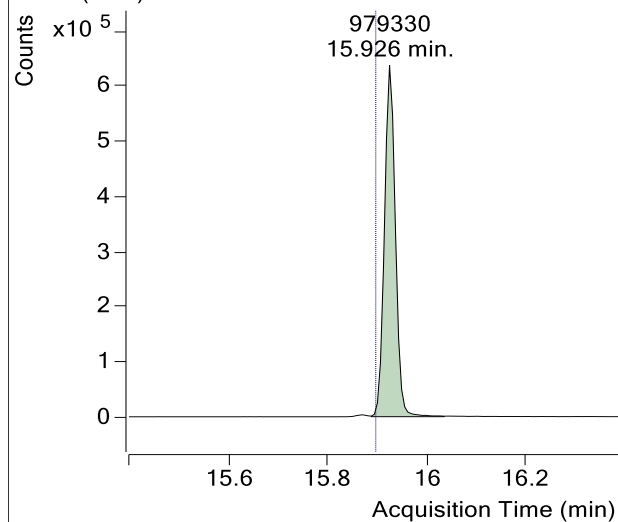


+ Scan (5.587-5.697 min, 18 scans) V2205266.D

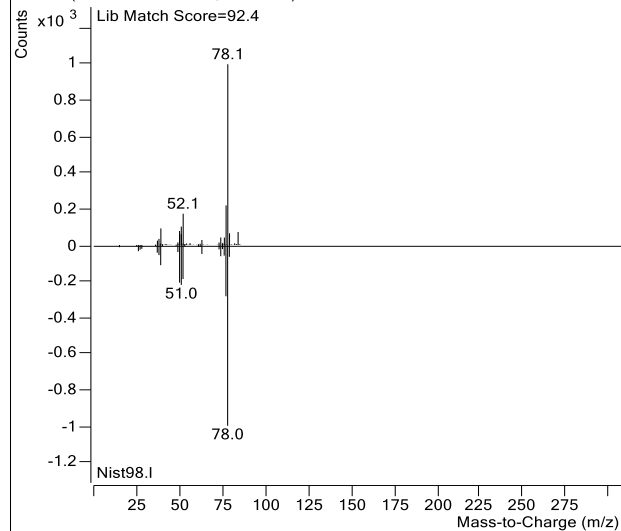


Benzene

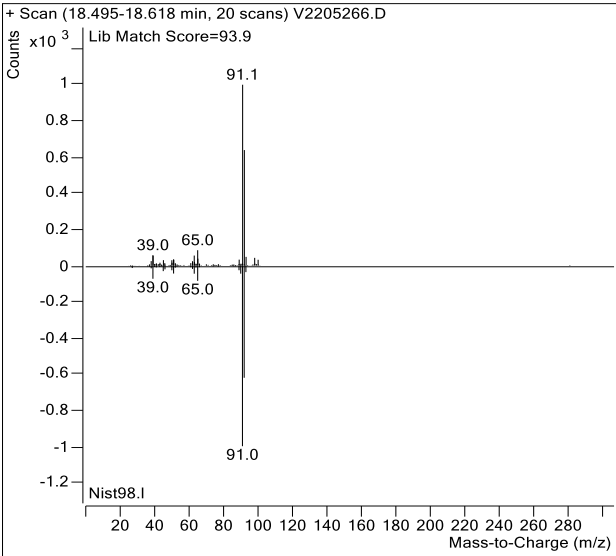
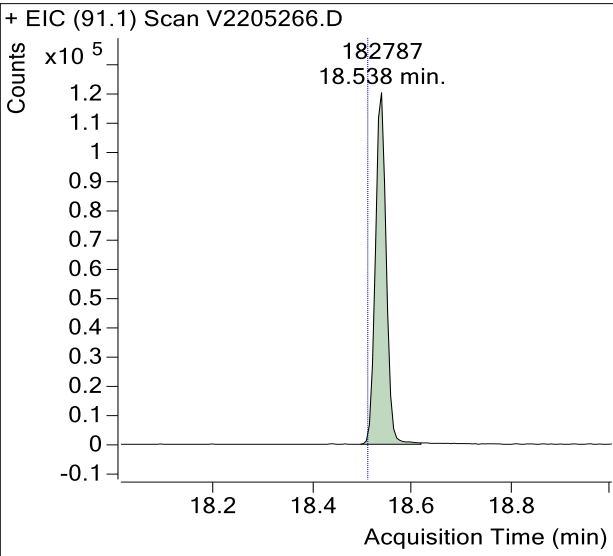
+ EIC (78.1) Scan V2205266.D



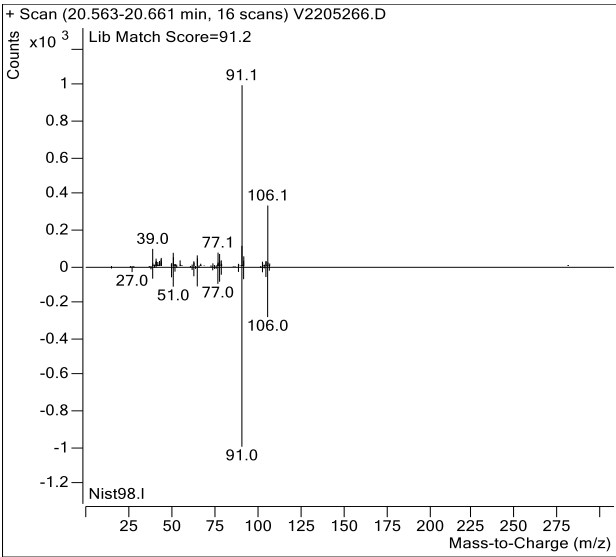
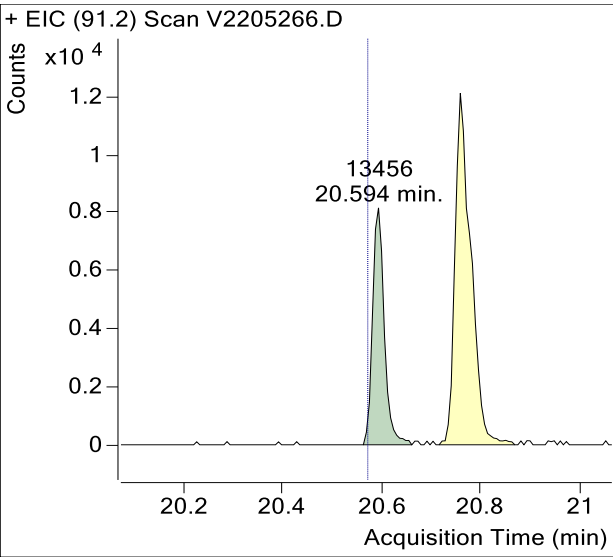
+ Scan (15.889-16.036 min, 24 scans) V2205266.D



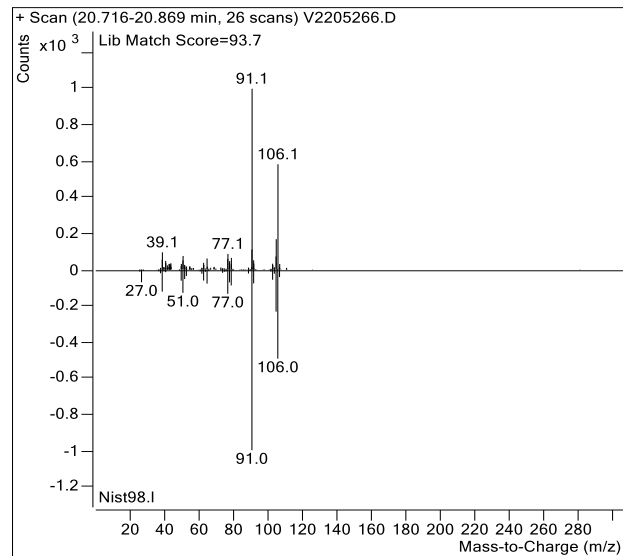
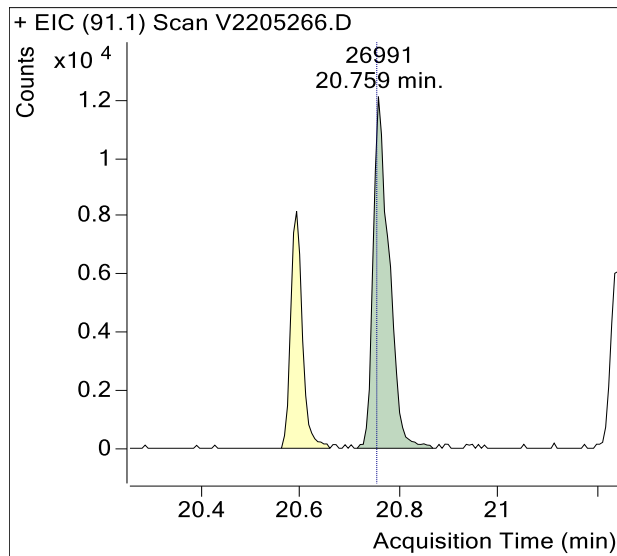
Toluene



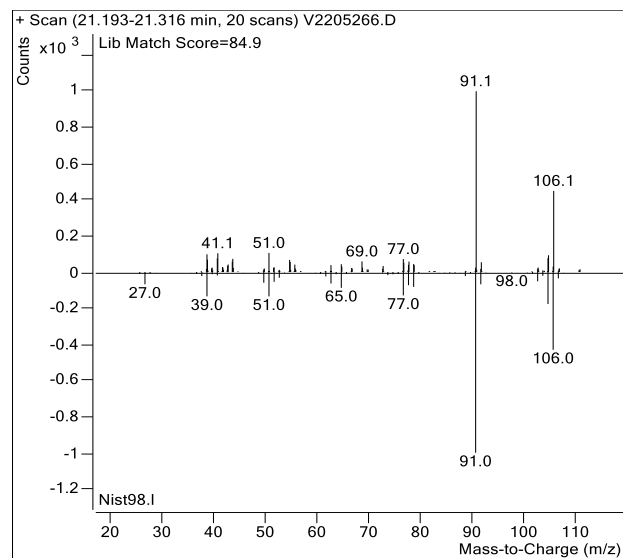
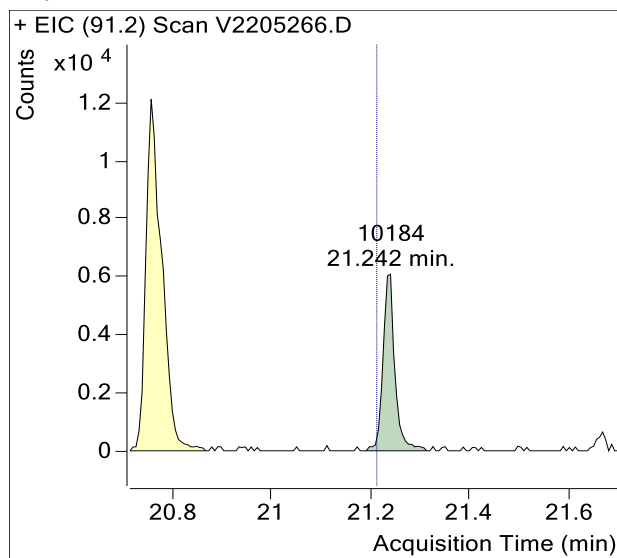
Ethylbenzene



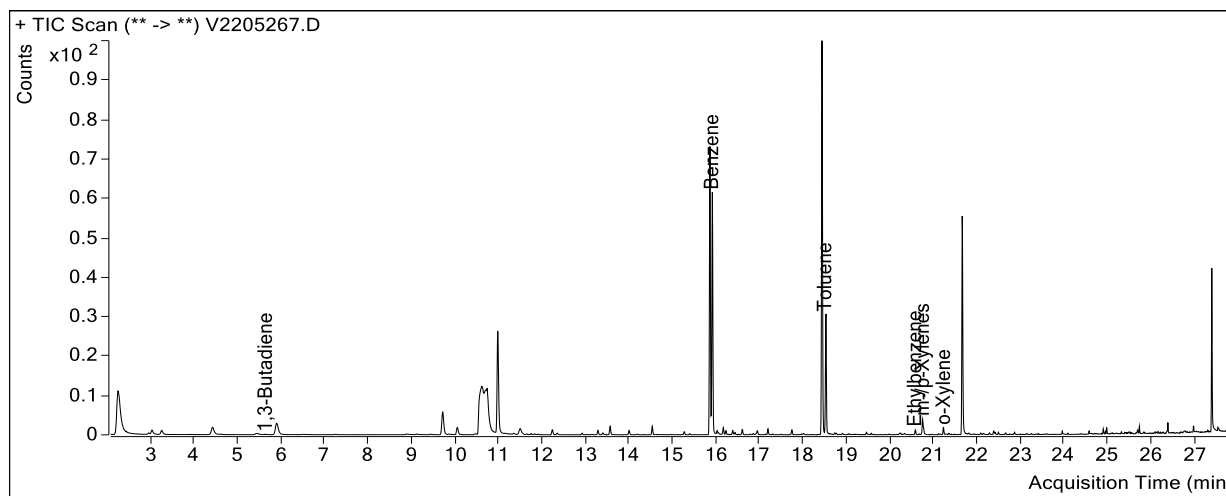
m-/p-Xylenes



o-Xylene



Sample Name : USSCL-PT04-S-20230314
Sample Info : B20977
Data File : V2205267.D
Acquisition Date : 2023-04-01 07:33:56
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

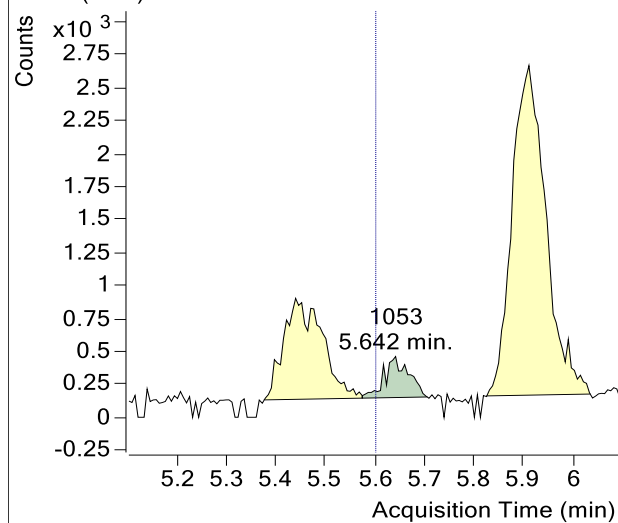


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	1,053	
Benzene-d6 (IS)	15.84	836,314	
Benzene	15.90	660,131	
Toluene-d8 (IS)	18.42	814,512	
Toluene	18.51	276,392	
Ethylbenzene	20.57	11,738	
m-/p-Xylenes	20.75	41,760	
o-Xylene	21.21	14,124	

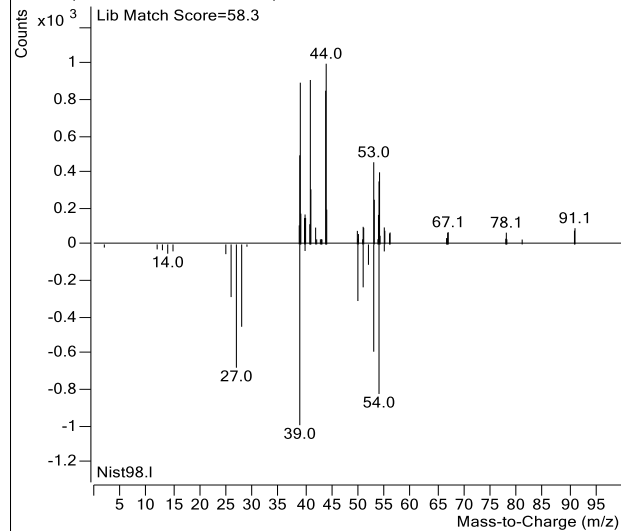
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205267.D

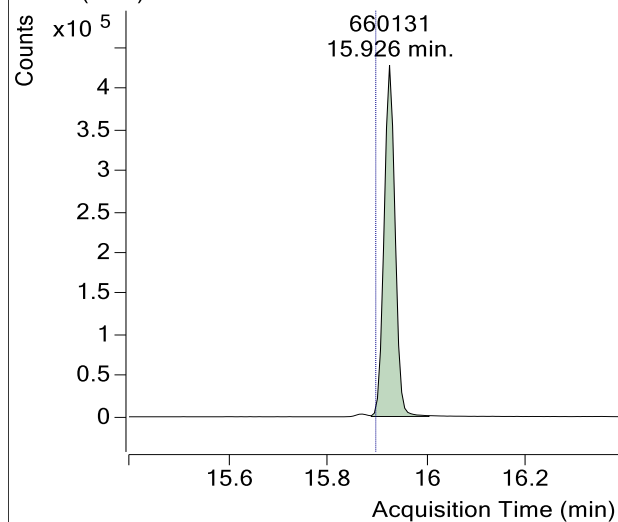


+ Scan (5.574-5.705 min, 22 scans) V2205267.D

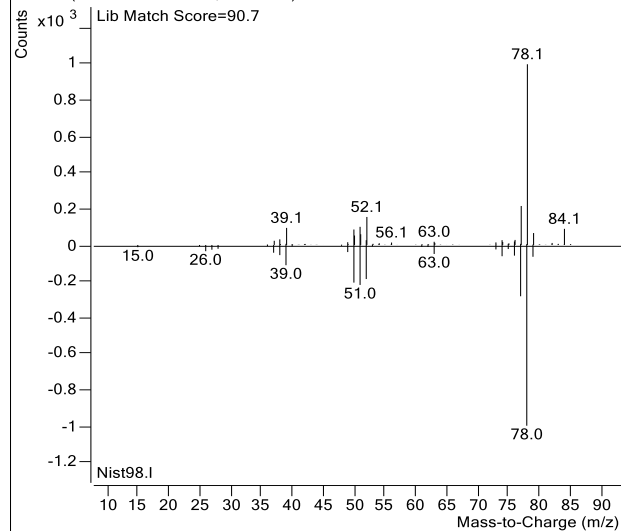


Benzene

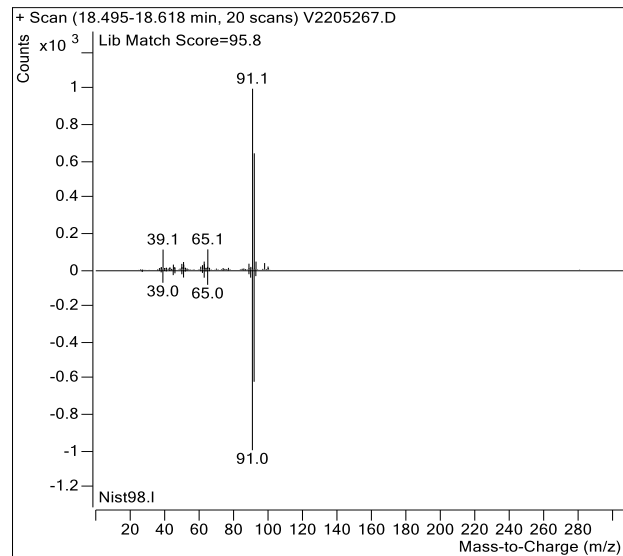
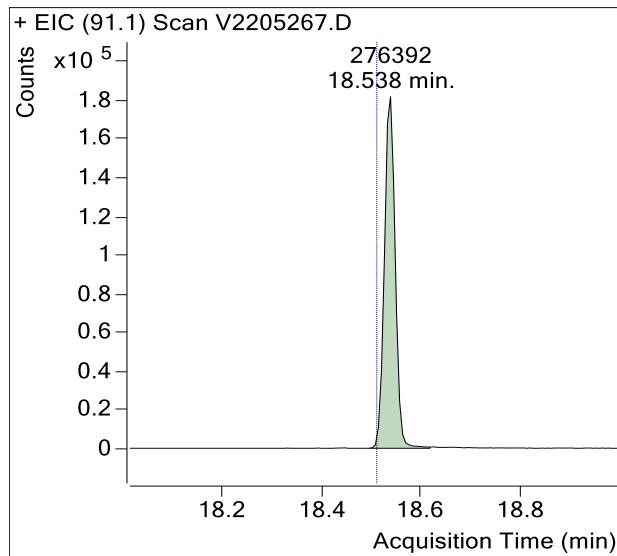
+ EIC (78.1) Scan V2205267.D



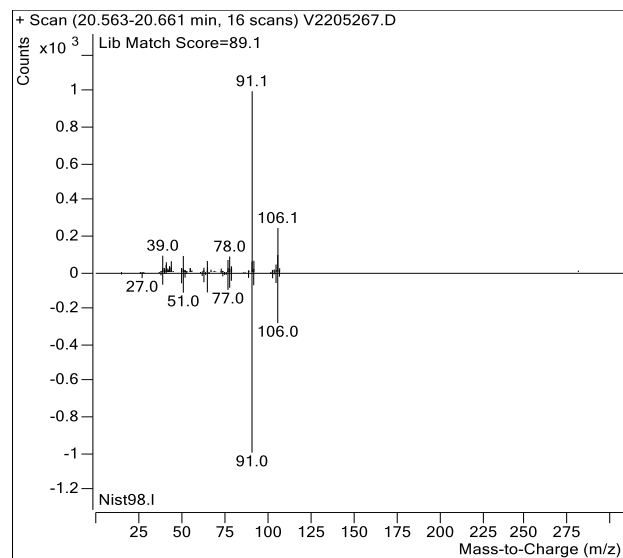
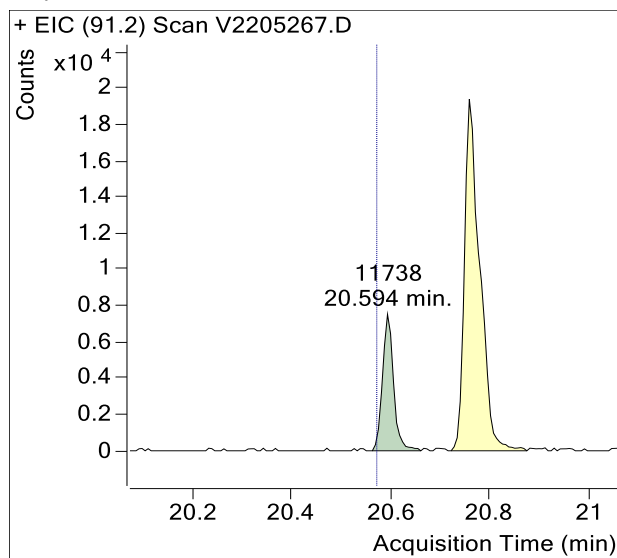
+ Scan (15.889-16.005 min, 19 scans) V2205267.D



Toluene

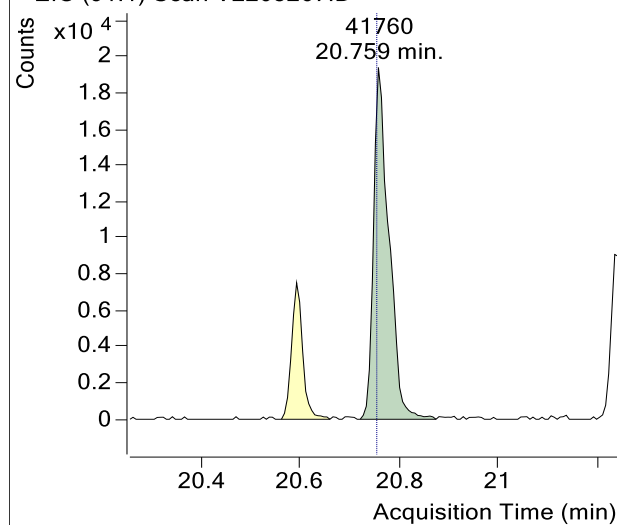


Ethylbenzene

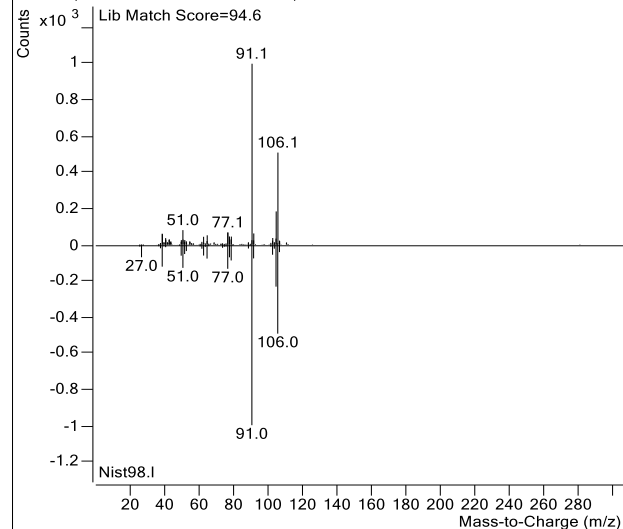


m-/p-Xylenes

+ EIC (91.1) Scan V2205267.D

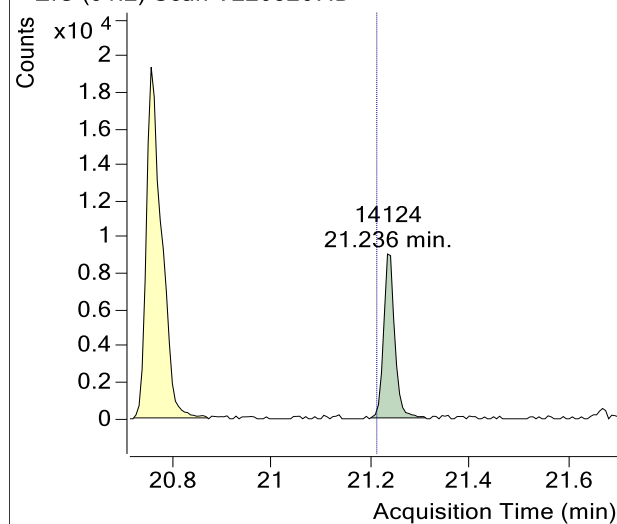


+ Scan (20.722-20.875 min, 25 scans) V2205267.D

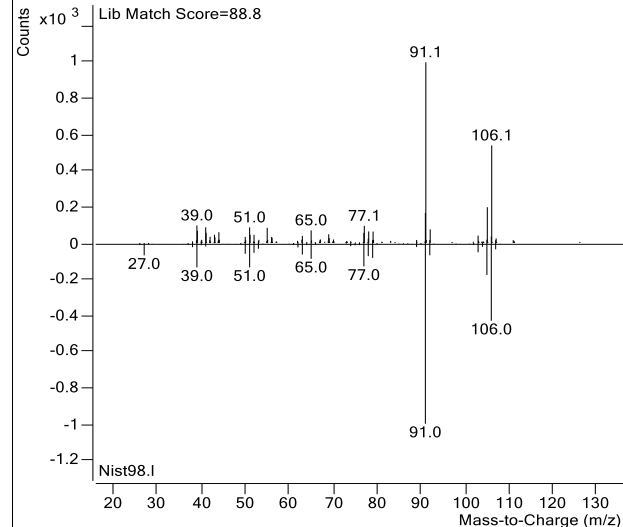


o-Xylene

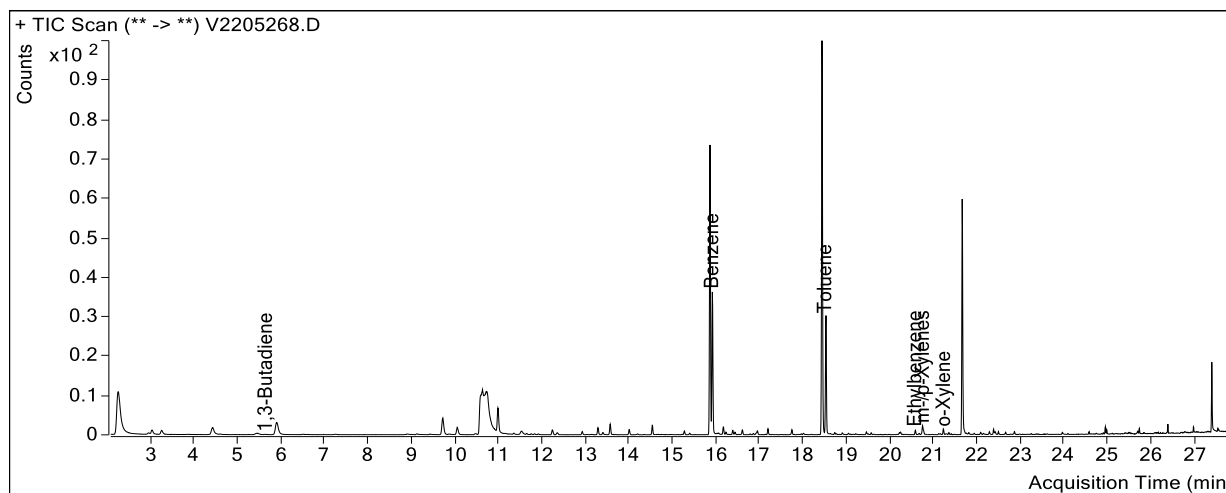
+ EIC (91.2) Scan V2205267.D



+ Scan (21.202-21.313 min, 19 scans) V2205267.D



Sample Name : USSCL-PT05-S-20230314
Sample Info : B29770
Data File : V2205268.D
Acquisition Date : 2023-04-01 08:13:46
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

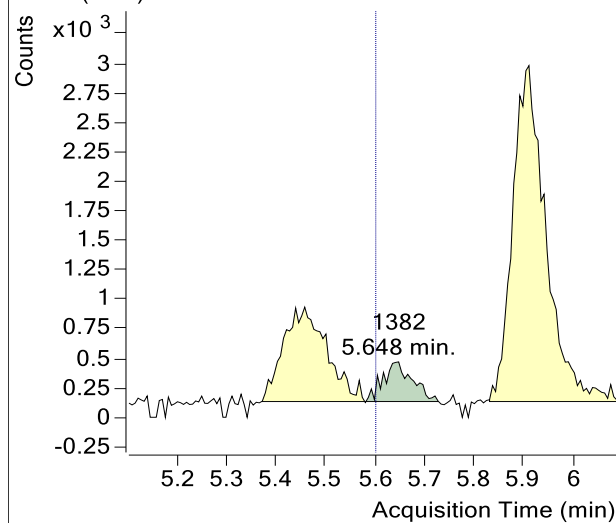


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	1,382	
Benzene-d6 (IS)	15.84	843,557	
Benzene	15.90	395,142	
Toluene-d8 (IS)	18.42	816,819	
Toluene	18.51	265,137	
Ethylbenzene	20.57	11,145	
m-/p-Xylenes	20.75	24,364	
o-Xylene	21.21	10,621	

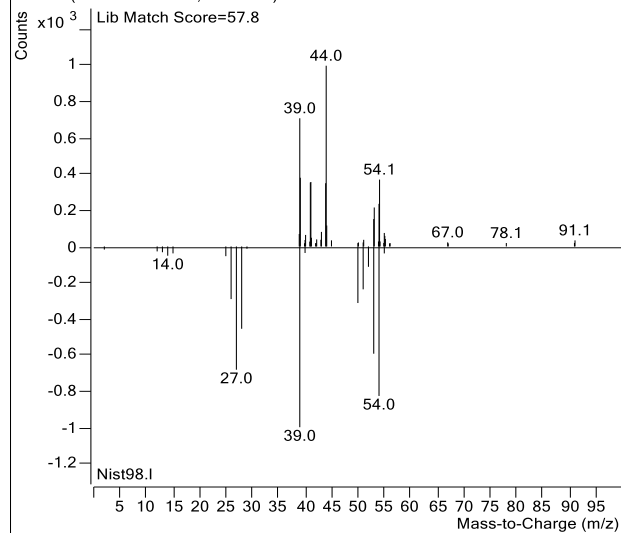
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205268.D

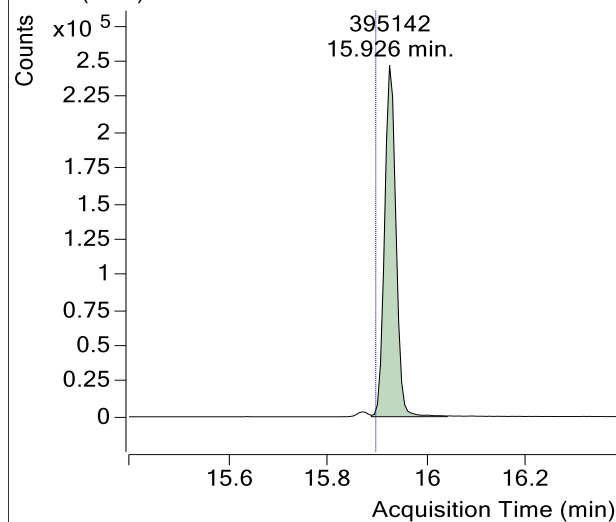


+ Scan (5.582-5.728 min, 24 scans) V2205268.D

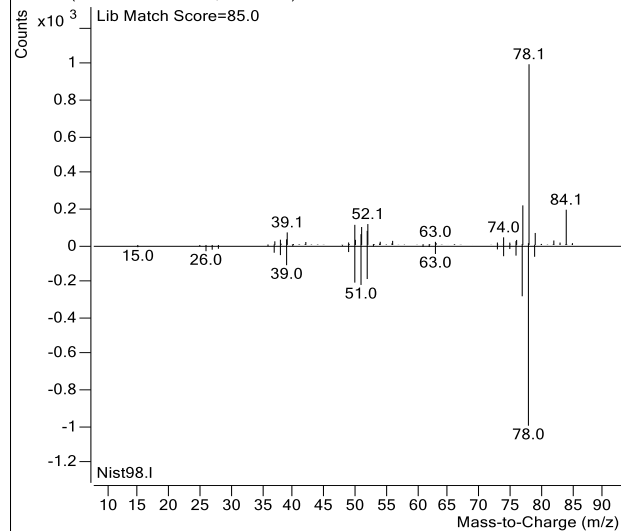


Benzene

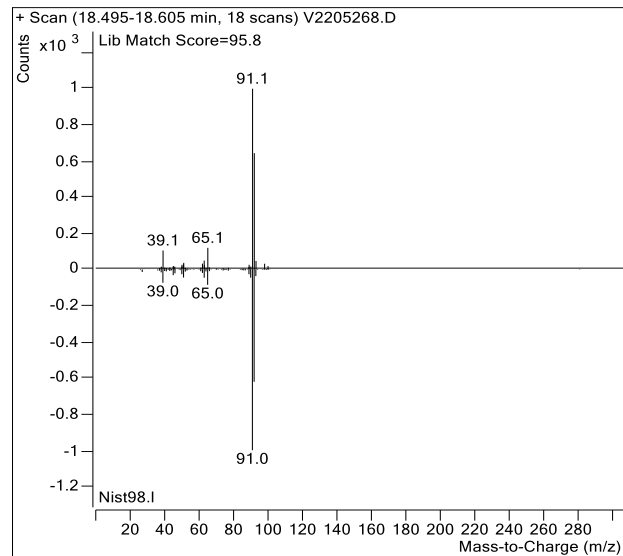
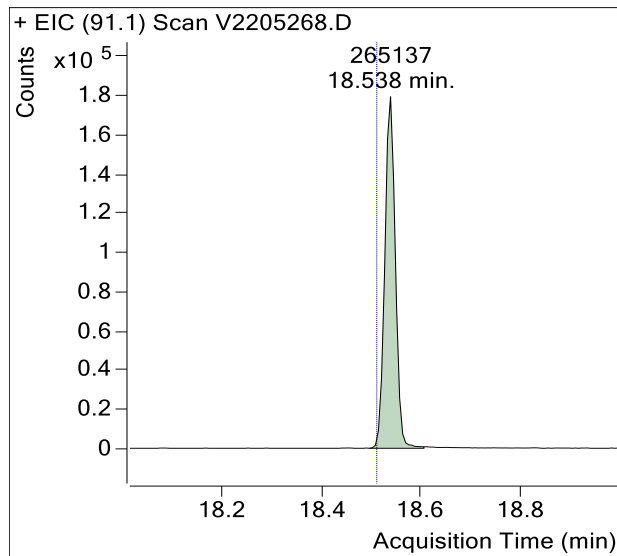
+ EIC (78.1) Scan V2205268.D



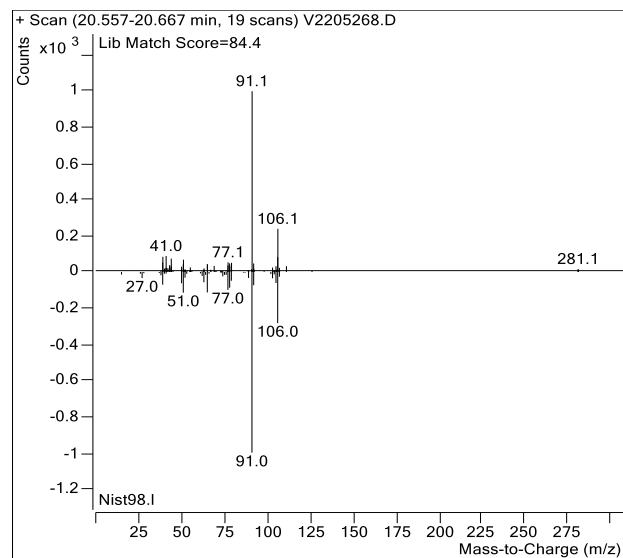
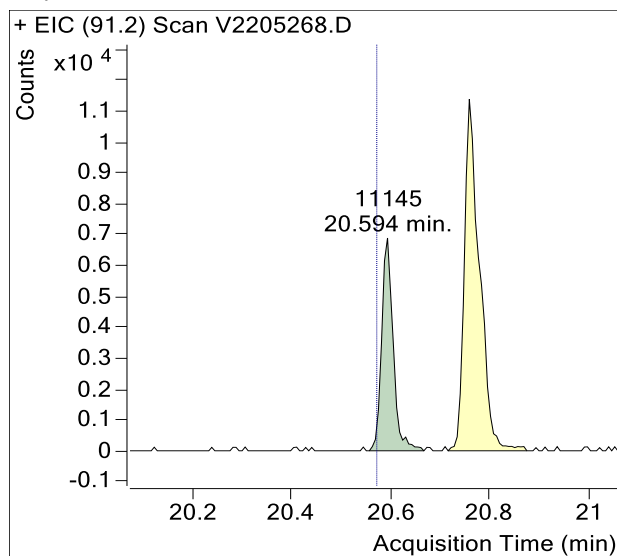
+ Scan (15.889-16.042 min, 25 scans) V2205268.D



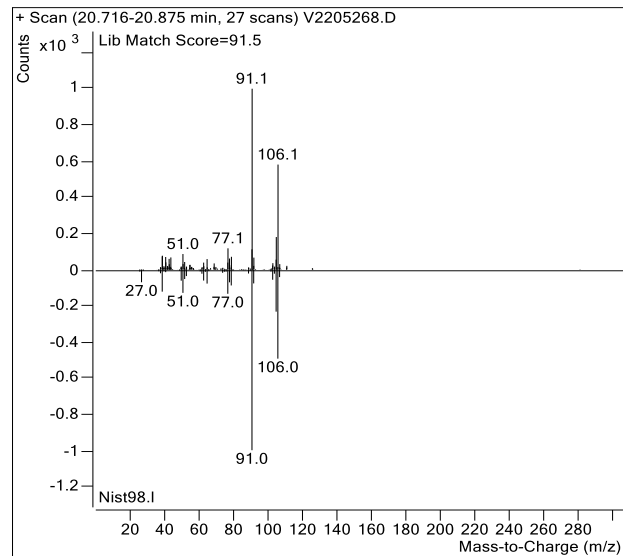
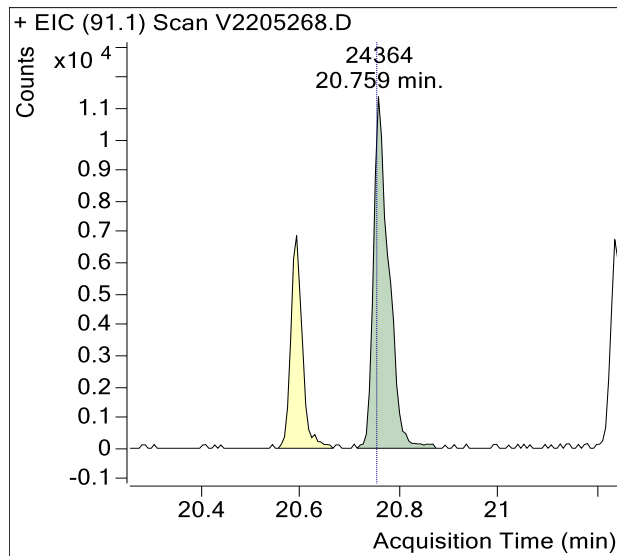
Toluene



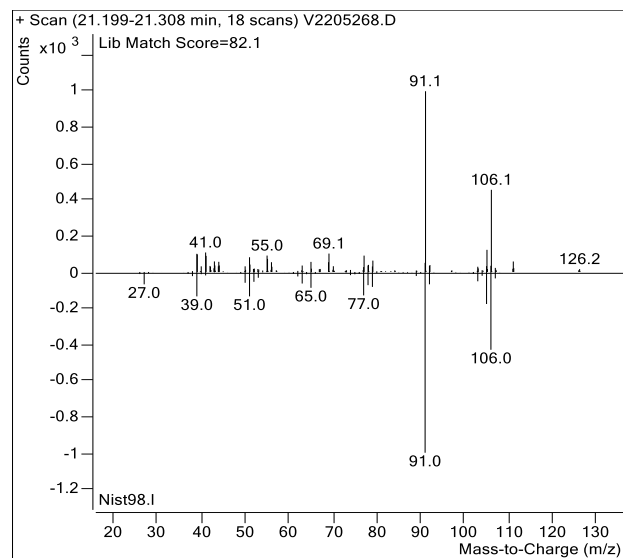
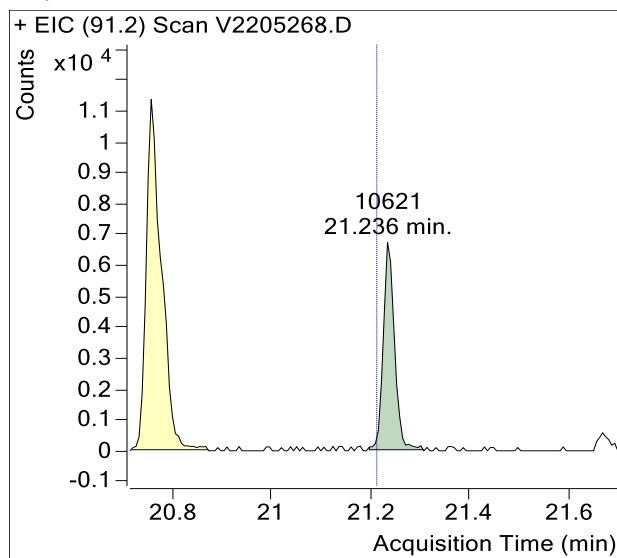
Ethylbenzene



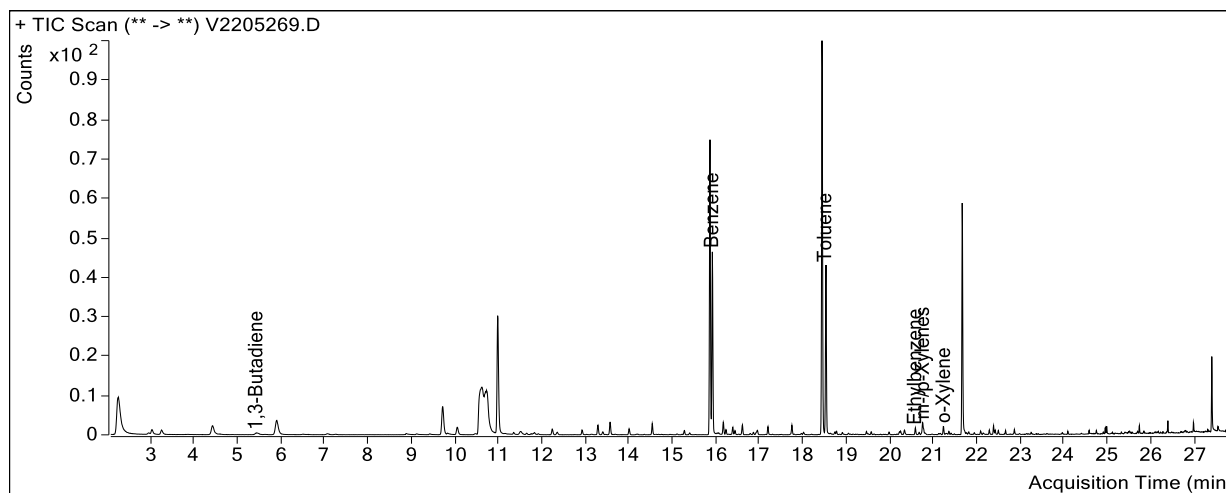
m-/p-Xylenes



o-Xylene



Sample Name : USSCL-PT06-S-20230314
Sample Info : B42562
Data File : V2205269.D
Acquisition Date : 2023-04-01 08:53:37
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

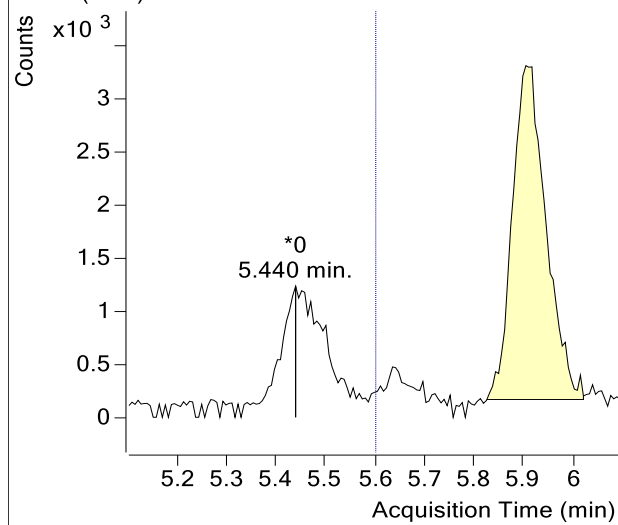


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	0	m
Benzene-d6 (IS)	15.84	847,420	
Benzene	15.90	496,197	
Toluene-d8 (IS)	18.42	819,311	
Toluene	18.51	372,242	
Ethylbenzene	20.57	16,171	
m-/p-Xylenes	20.75	33,811	
o-Xylene	21.21	14,556	

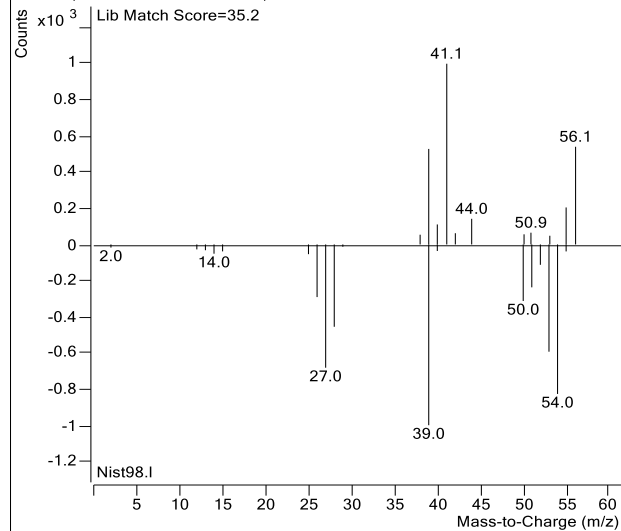
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205269.D

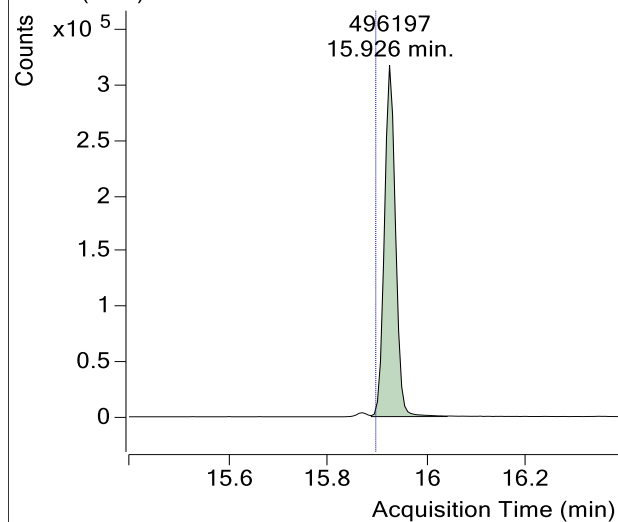


+ Scan (5.440-5.440 min, 1 scans) V2205269.D

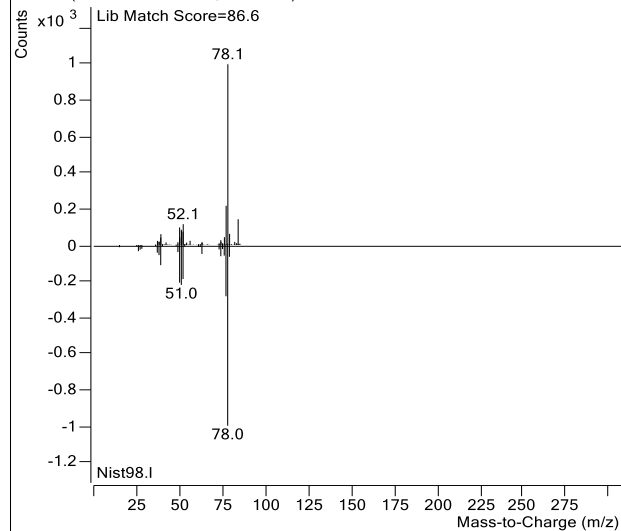


Benzene

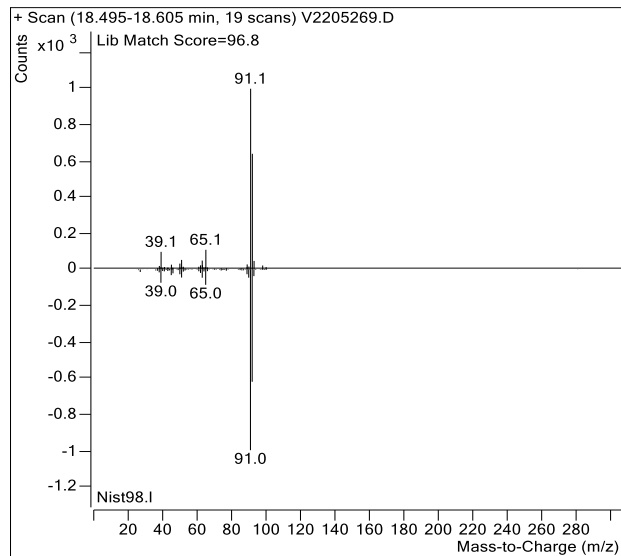
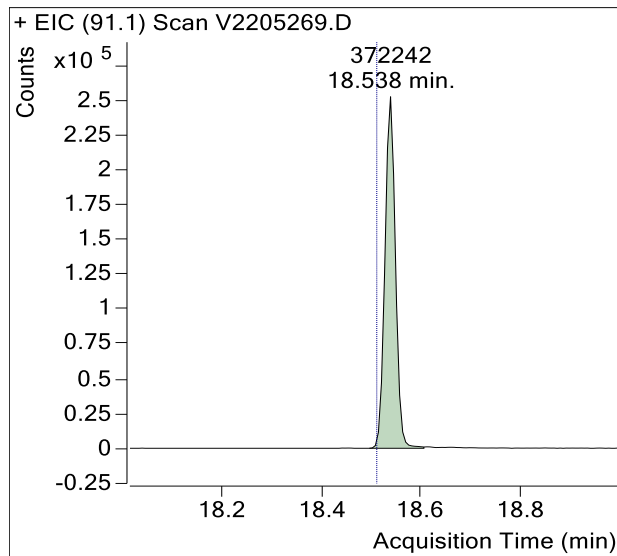
+ EIC (78.1) Scan V2205269.D



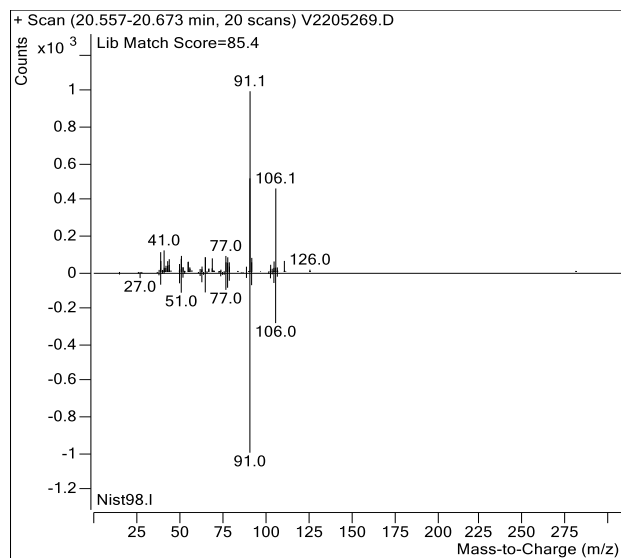
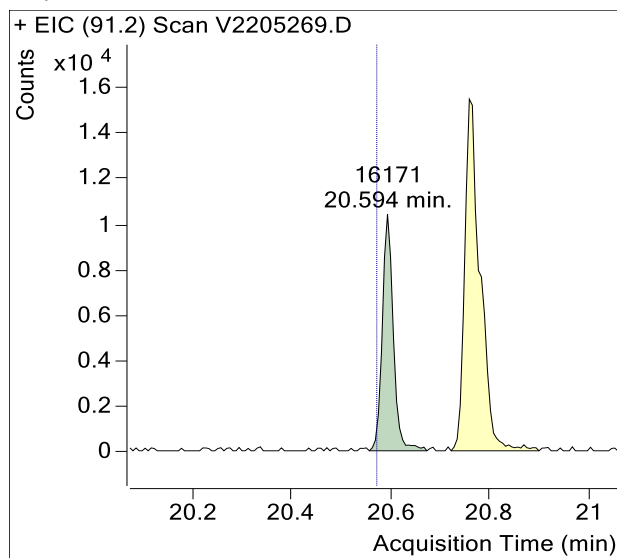
+ Scan (15.889-16.042 min, 25 scans) V2205269.D



Toluene

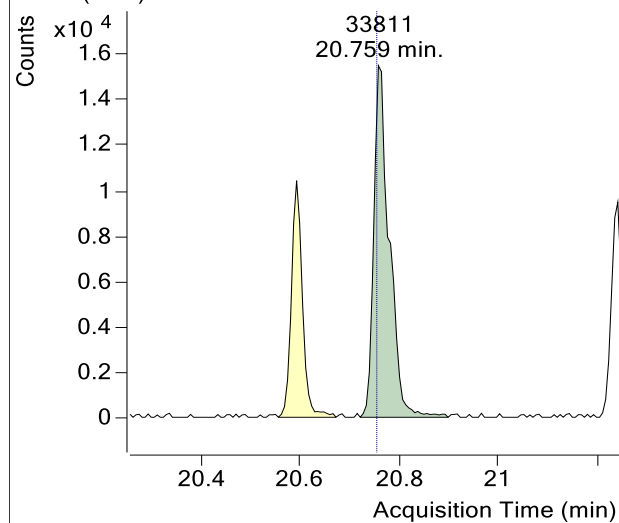


Ethylbenzene

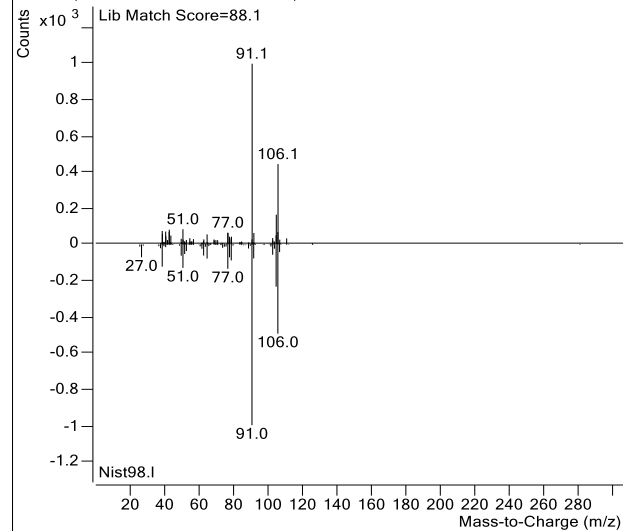


m-/p-Xylenes

+ EIC (91.1) Scan V2205269.D

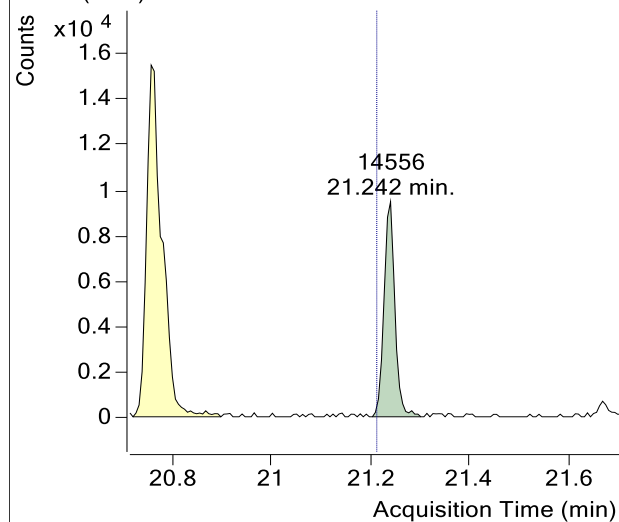


+ Scan (20.722-20.900 min, 30 scans) V2205269.D

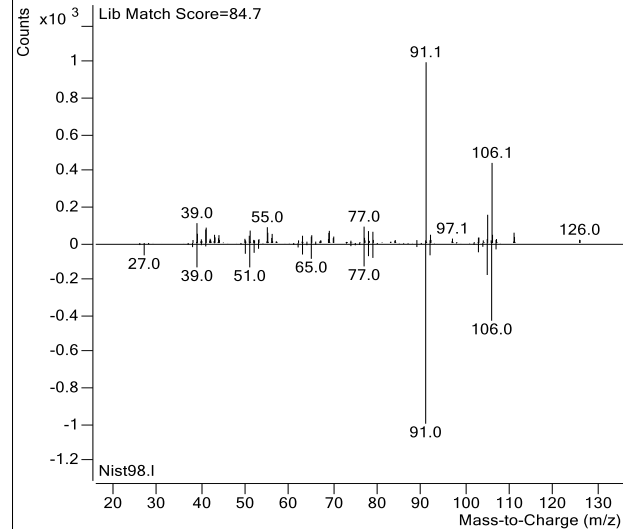


o-Xylene

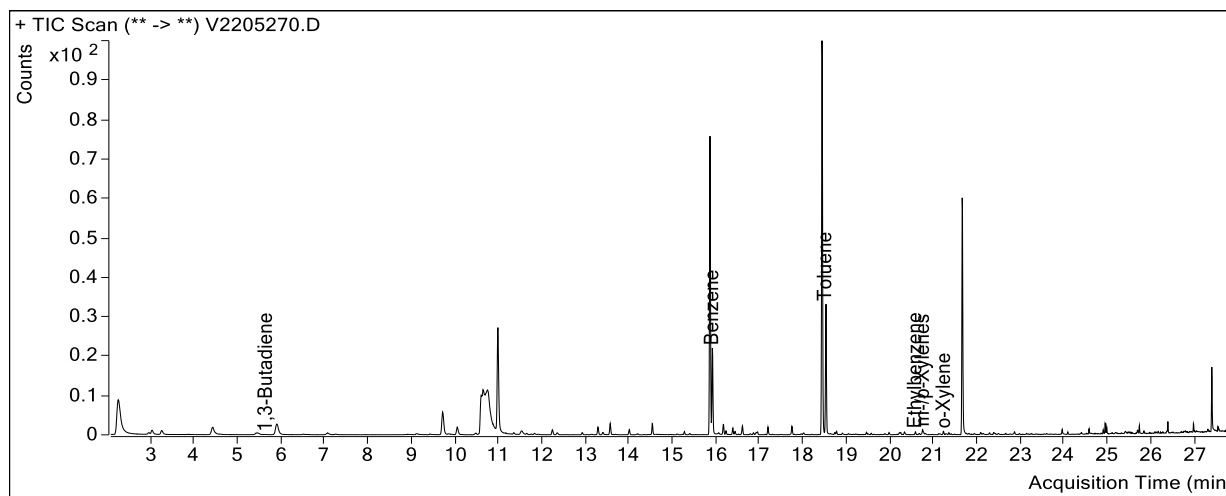
+ EIC (91.2) Scan V2205269.D



+ Scan (21.205-21.303 min, 16 scans) V2205269.D



Sample Name : USSCL-PT07-S-20230314
Sample Info : B46977
Data File : V2205270.D
Acquisition Date : 2023-04-01 09:33:28
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

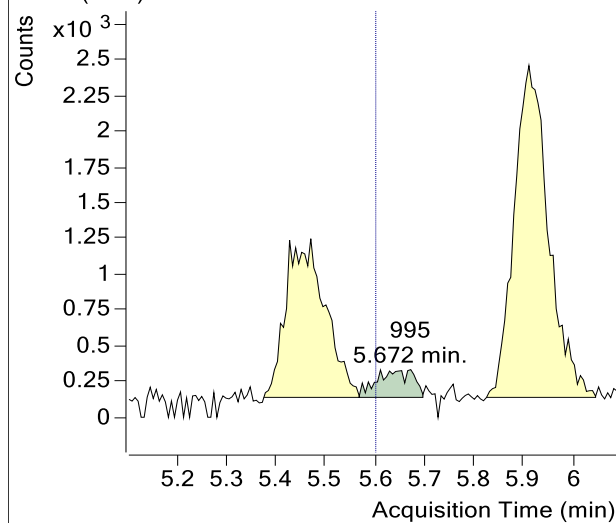


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	995	
Benzene-d6 (IS)	15.84	838,981	
Benzene	15.90	230,789	
Toluene-d8 (IS)	18.42	812,951	
Toluene	18.51	276,800	
Ethylbenzene	20.57	6,877	
m-/p-Xylenes	20.75	13,171	
o-Xylene	21.21	5,833	

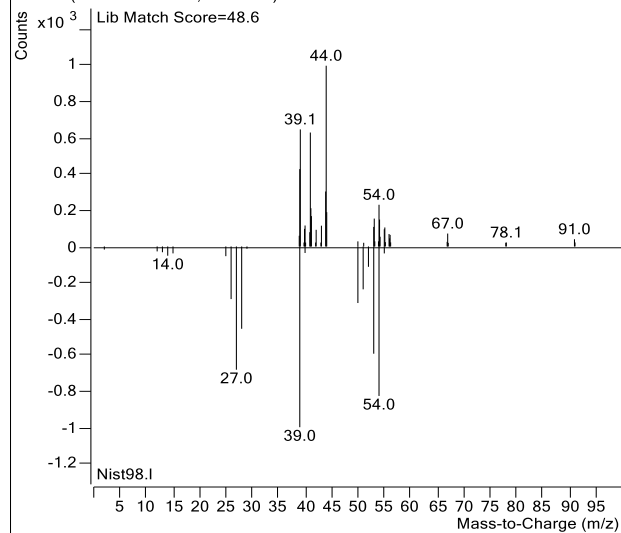
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205270.D

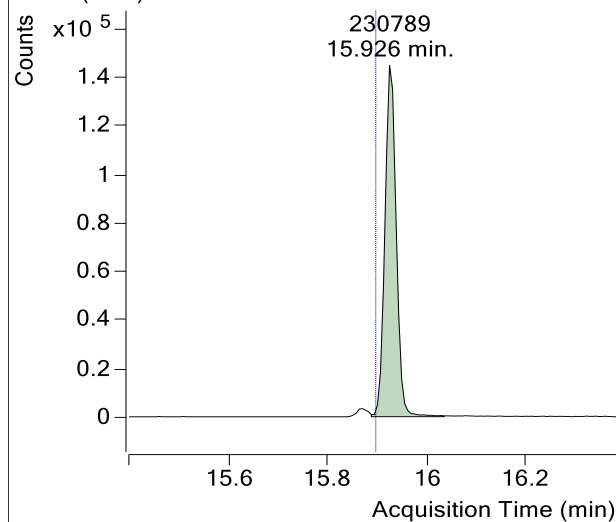


+ Scan (5.568-5.697 min, 21 scans) V2205270.D

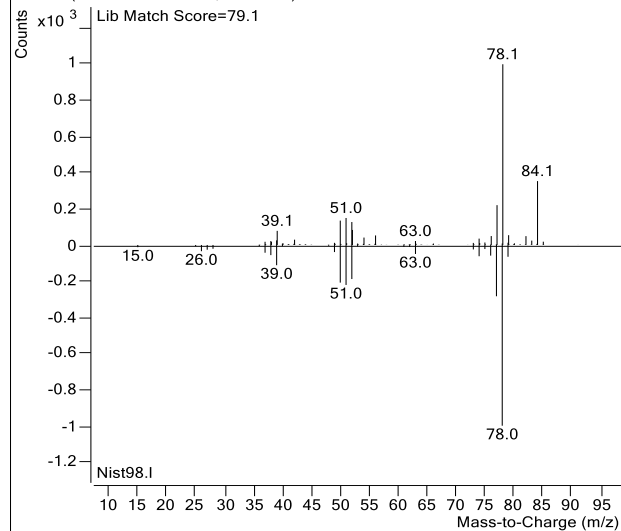


Benzene

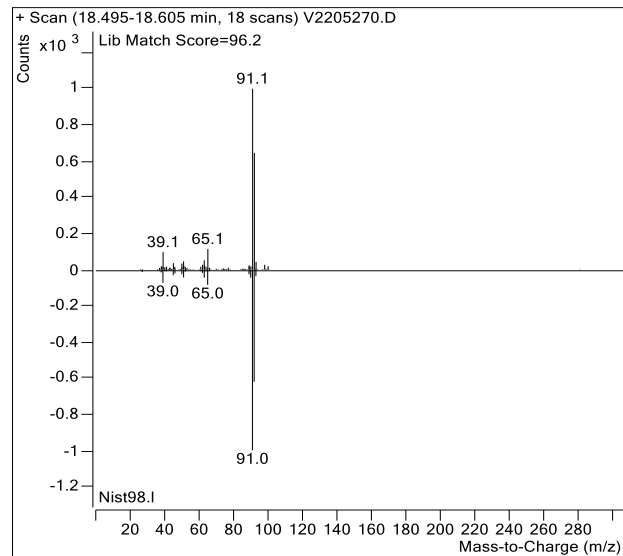
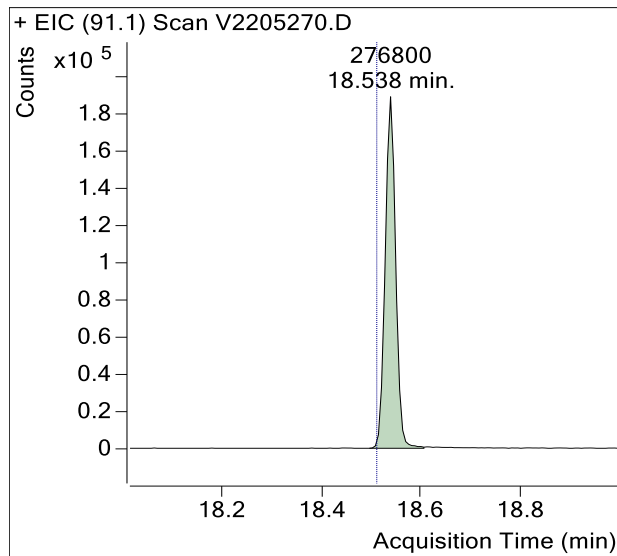
+ EIC (78.1) Scan V2205270.D



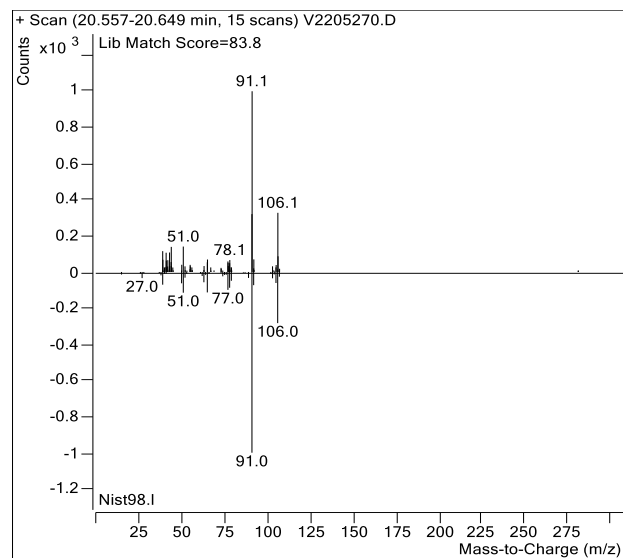
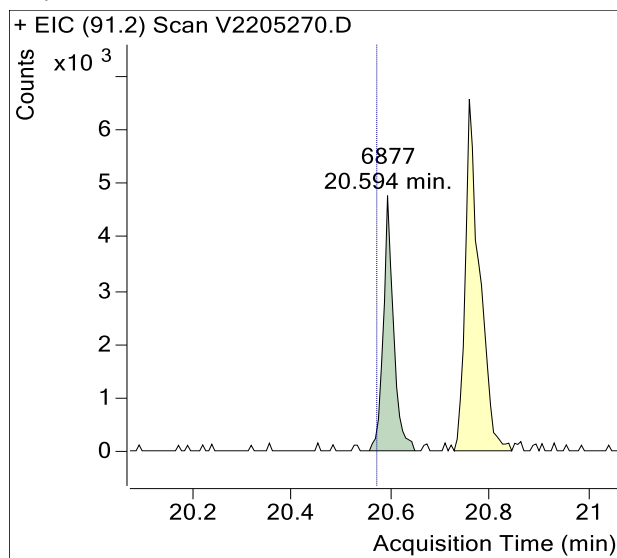
+ Scan (15.889-16.036 min, 24 scans) V2205270.D



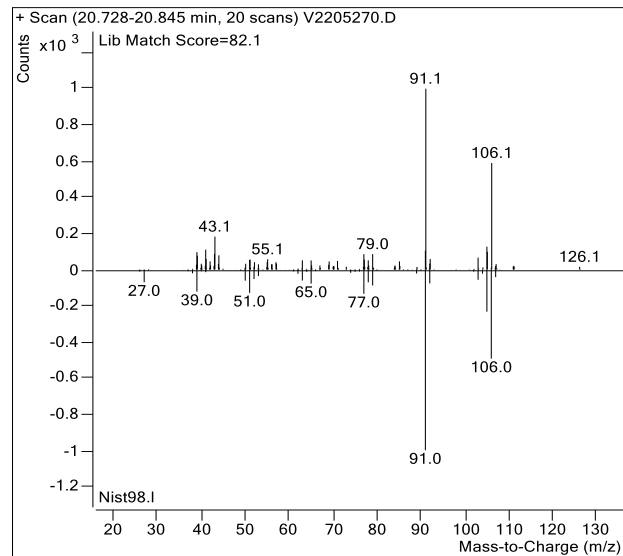
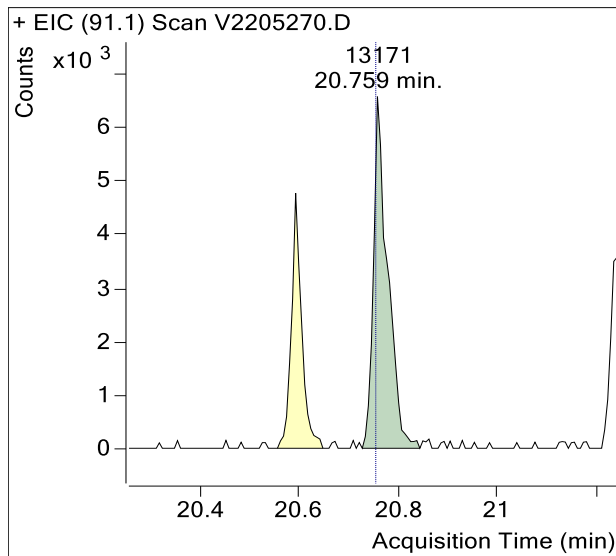
Toluene



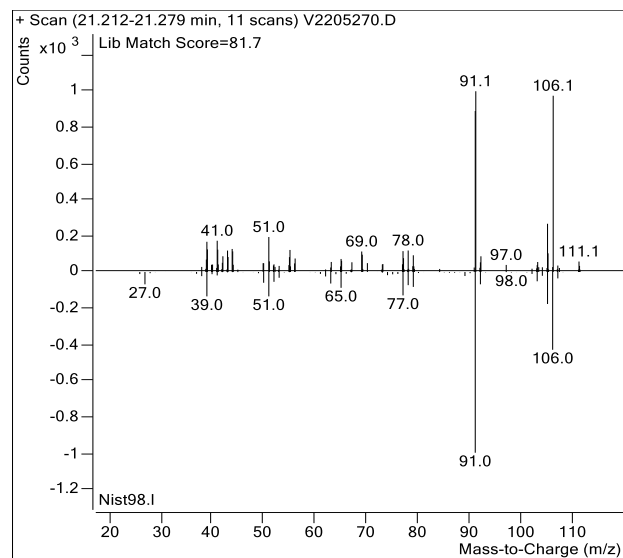
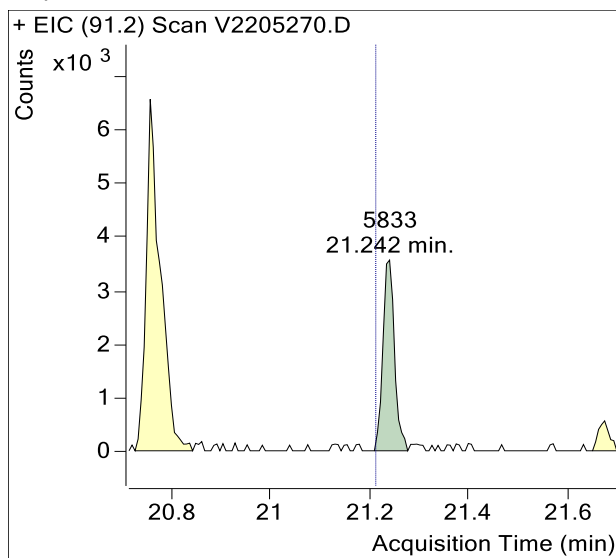
Ethylbenzene



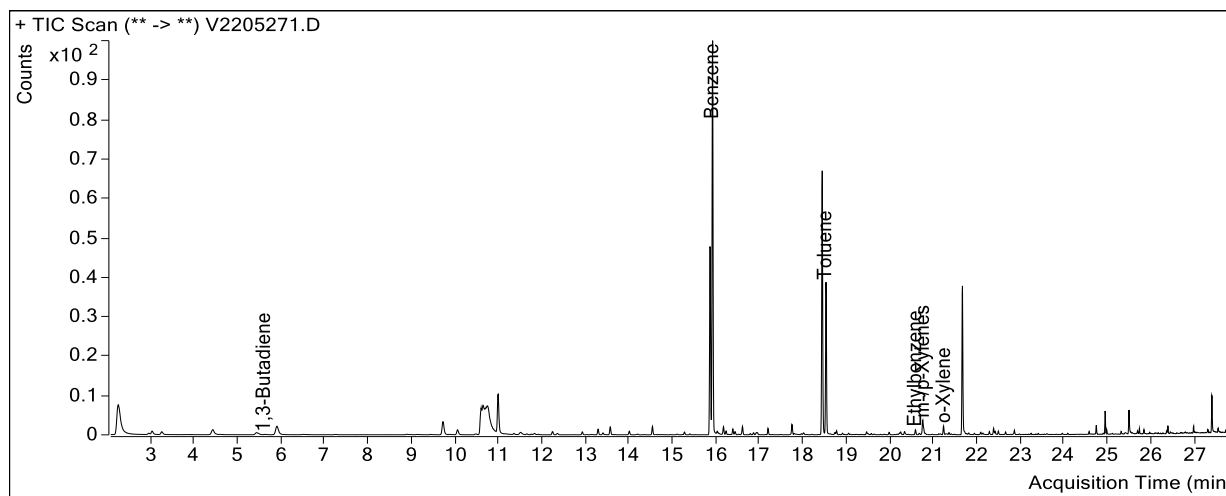
m-/p-Xylenes



o-Xylene



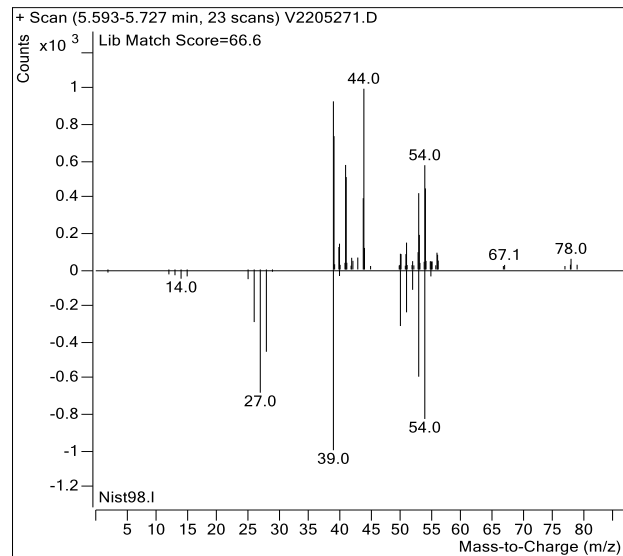
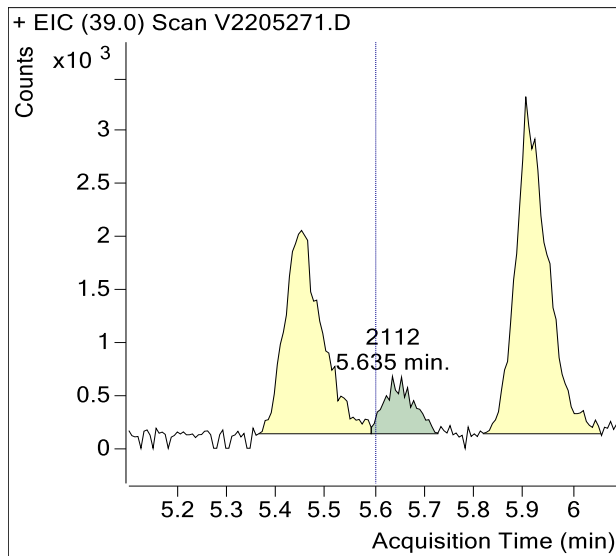
Sample Name : USSCL-PT08-S-20230314
Sample Info : B16311
Data File : V2205271.D
Acquisition Date : 2023-04-01 10:13:18
Instrument Method : M325B-TD-CRYO9
Matrix : AIR



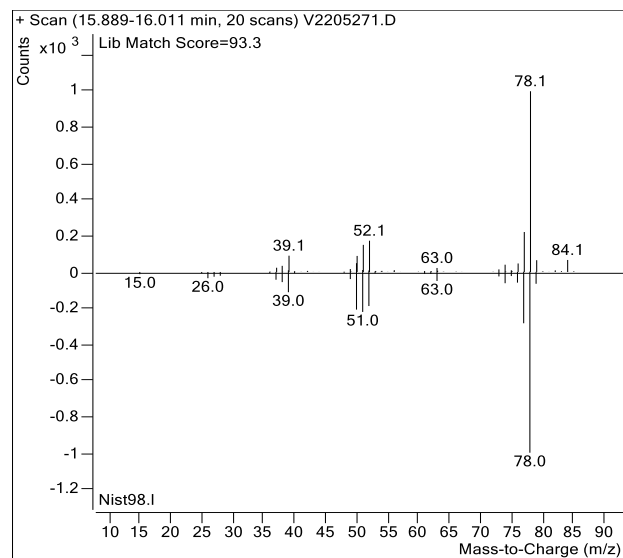
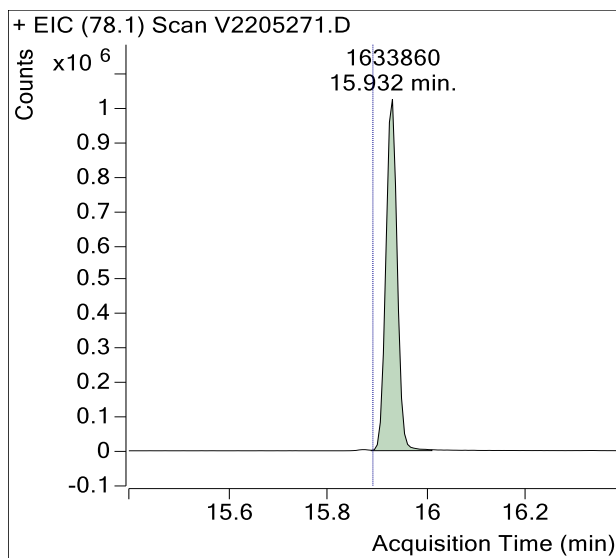
Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,112	
Benzene-d6 (IS)	15.84	846,062	
Benzene	15.90	1,633,860	
Toluene-d8 (IS)	18.42	813,549	
Toluene	18.51	510,583	
Ethylbenzene	20.57	18,180	
m-/p-Xylenes	20.75	57,801	
o-Xylene	21.21	23,466	

(m)=Manual Integration

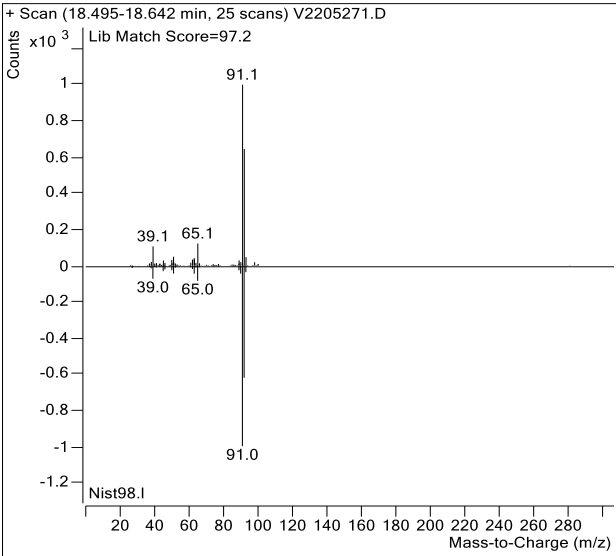
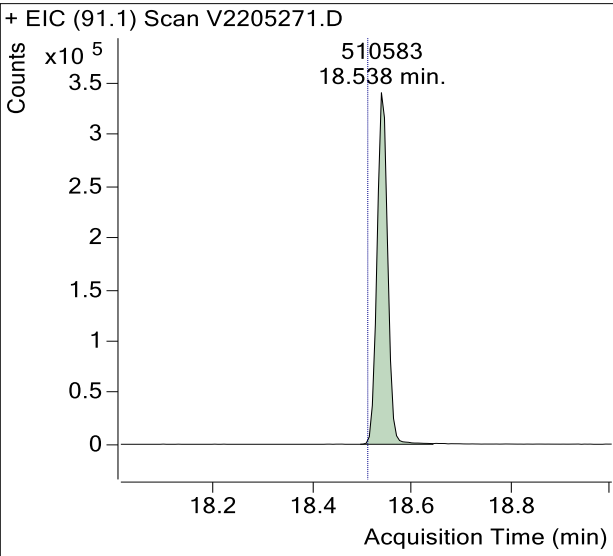
1,3-Butadiene



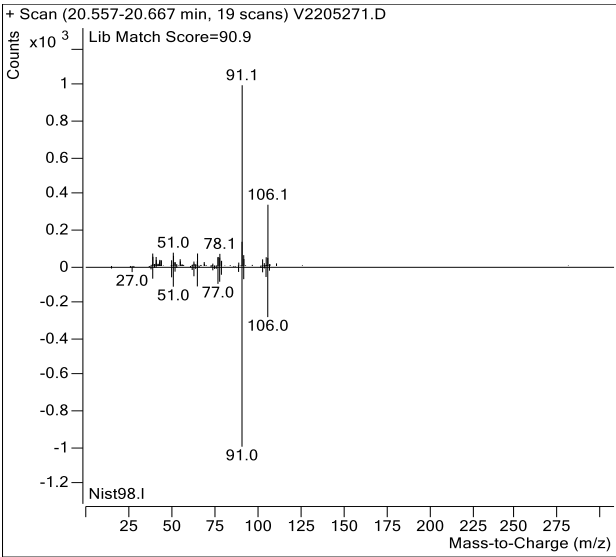
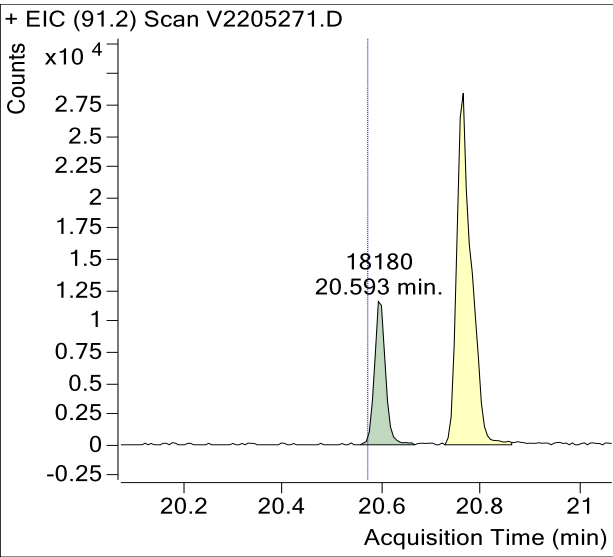
Benzene



Toluene

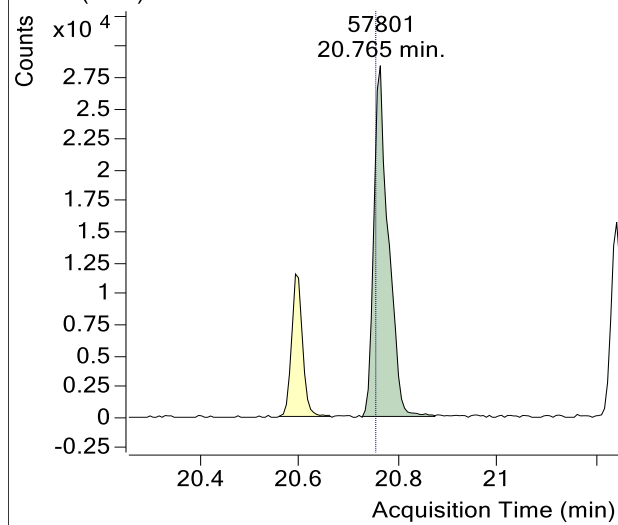
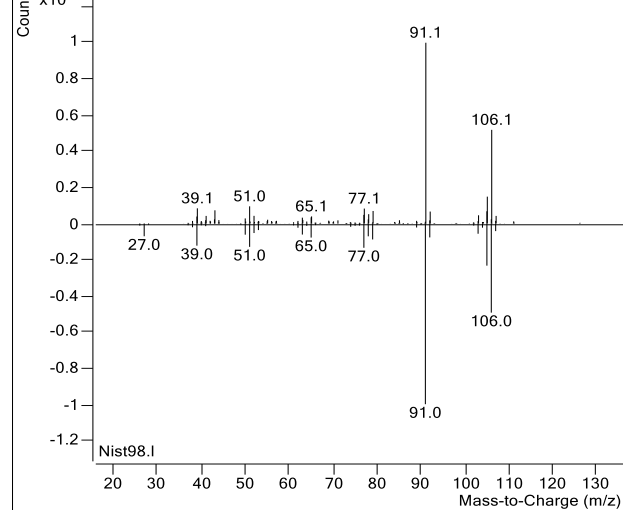


Ethylbenzene



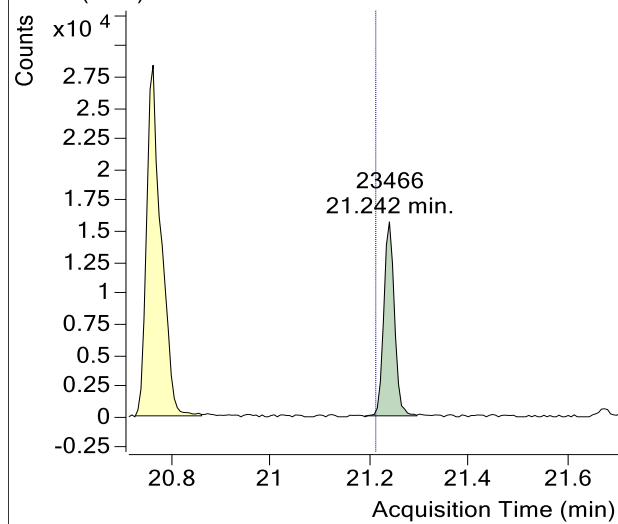
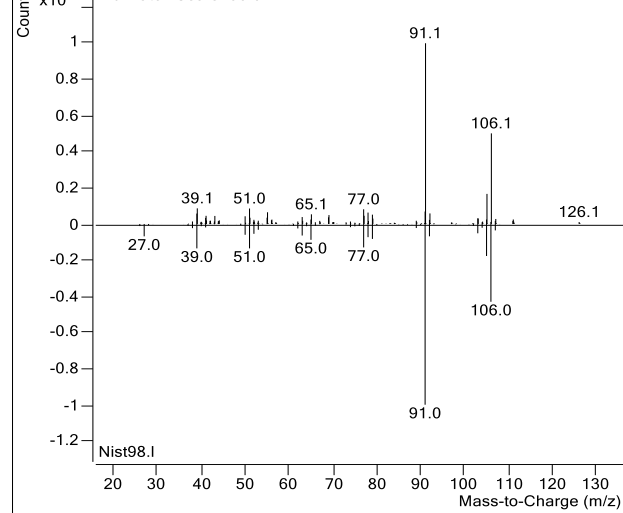
m-/p-Xylenes

+ EIC (91.1) Scan V2205271.D

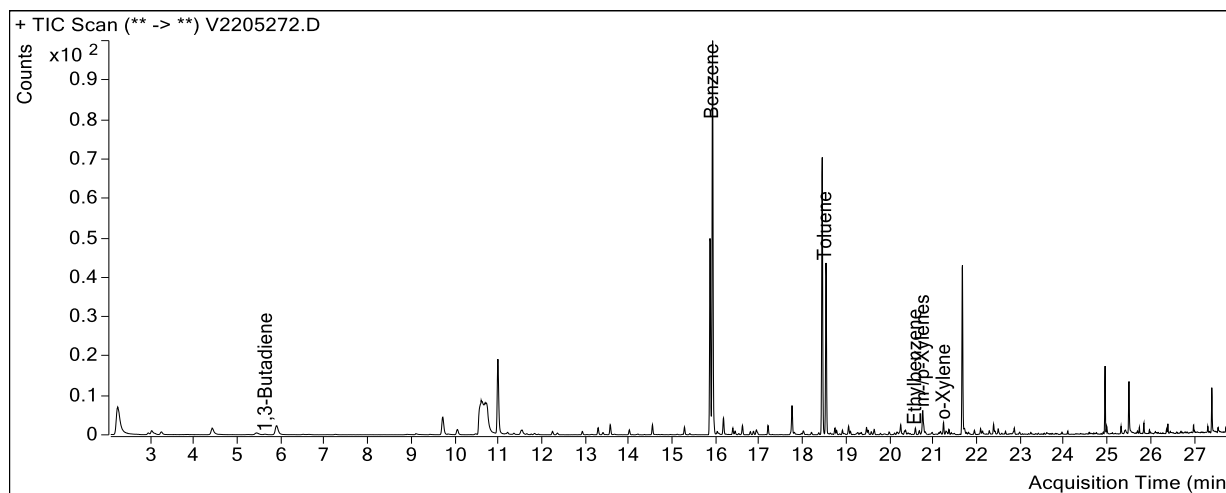
+ Scan (20.729-20.875 min, 24 scans) V2205271.D
Lib Match Score=92.9

o-Xylene

+ EIC (91.2) Scan V2205271.D

+ Scan (21.193-21.297 min, 18 scans) V2205271.D
Lib Match Score=90.6

Sample Name : USSCL-PT09-S-20230314
Sample Info : C00686
Data File : V2205272.D
Acquisition Date : 2023-04-01 10:53:14
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

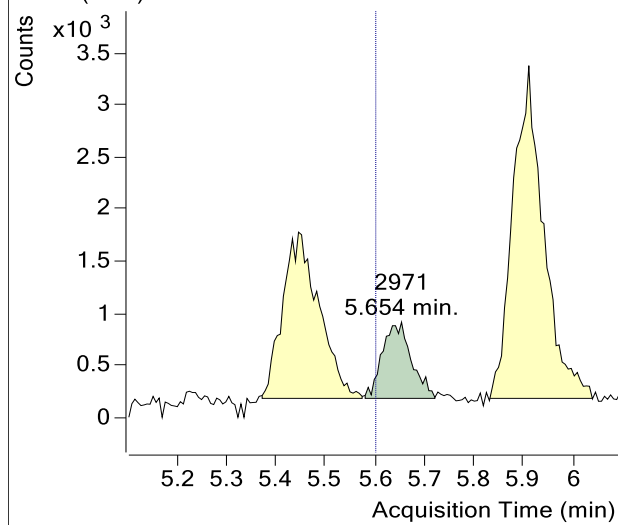


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,971	
Benzene-d6 (IS)	15.84	858,629	
Benzene	15.90	1,589,877	
Toluene-d8 (IS)	18.42	829,509	
Toluene	18.51	554,281	
Ethylbenzene	20.57	20,047	
m-/p-Xylenes	20.75	87,070	
o-Xylene	21.21	27,598	

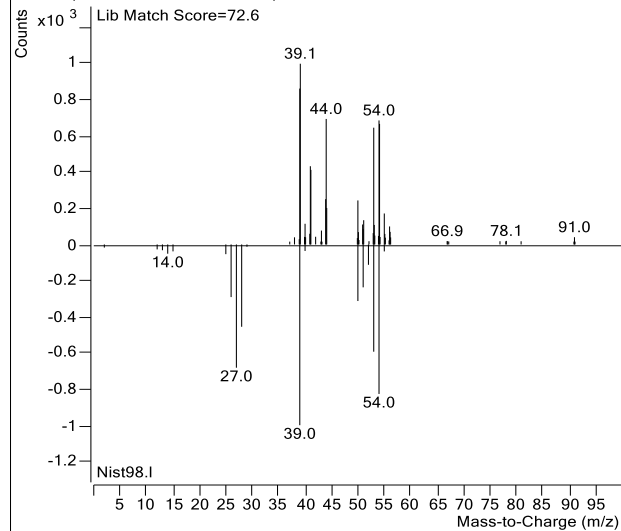
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205272.D

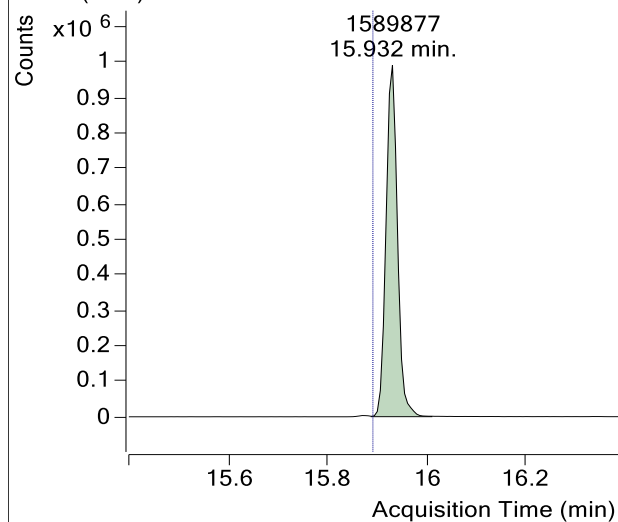


+ Scan (5.580-5.721 min, 24 scans) V2205272.D

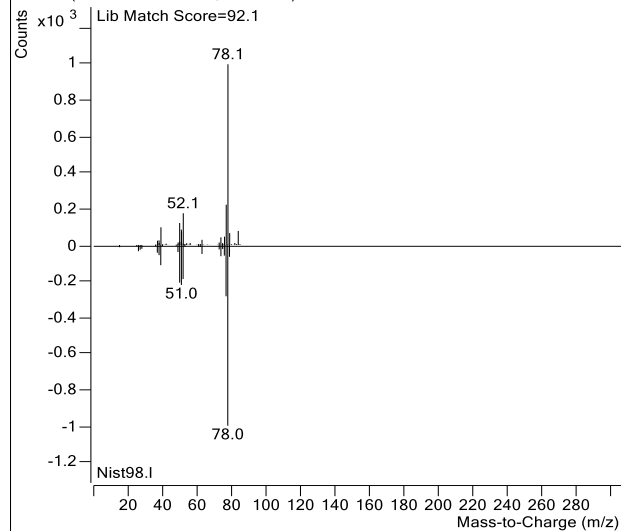


Benzene

+ EIC (78.1) Scan V2205272.D

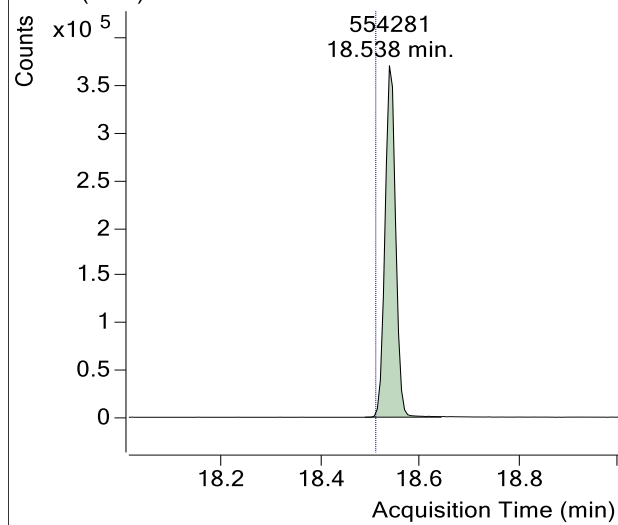


+ Scan (15.889-16.011 min, 21 scans) V2205272.D

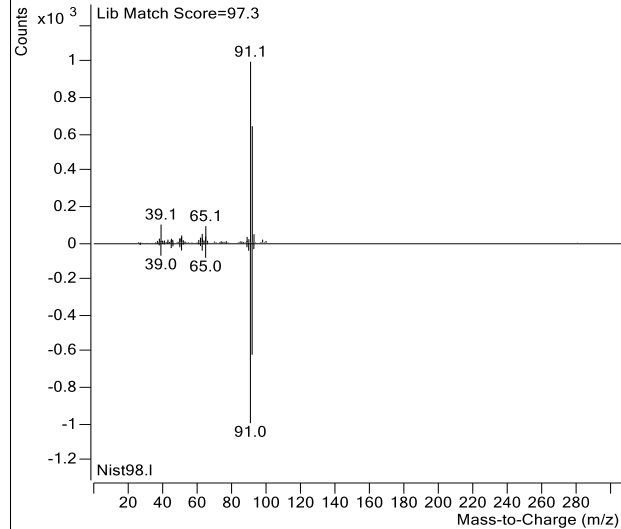


Toluene

+ EIC (91.1) Scan V2205272.D

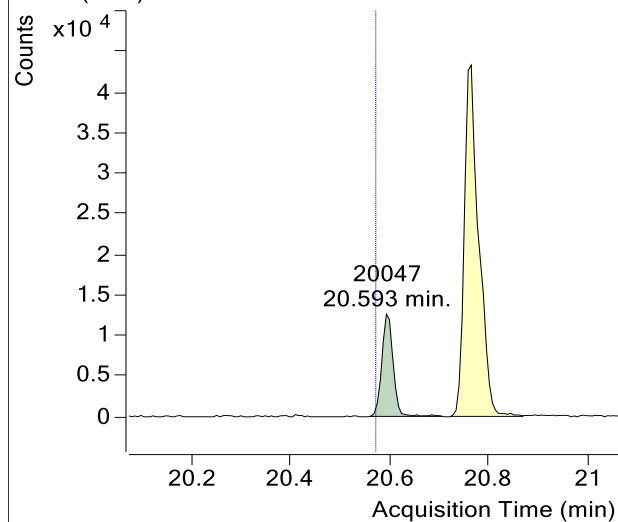


+ Scan (18.489-18.642 min, 26 scans) V2205272.D

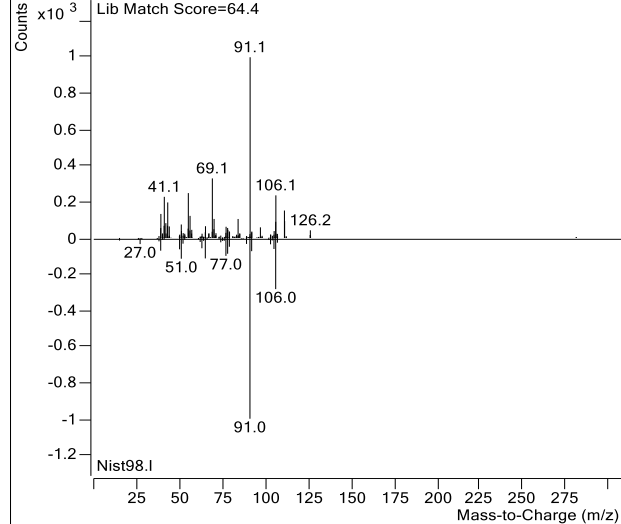


Ethylbenzene

+ EIC (91.2) Scan V2205272.D

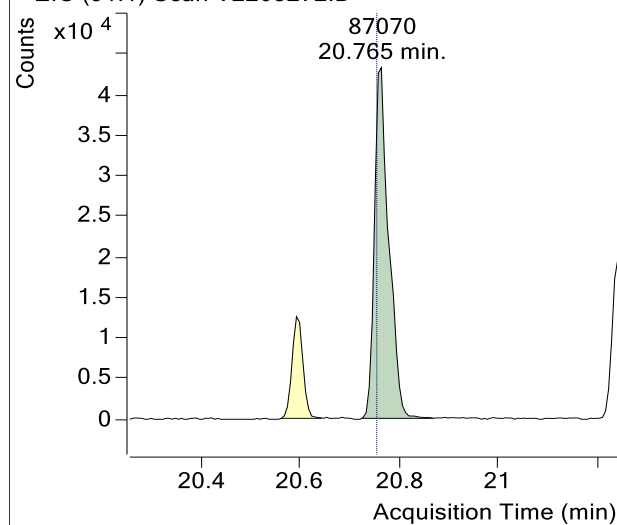


+ Scan (20.559-20.707 min, 25 scans) V2205272.D

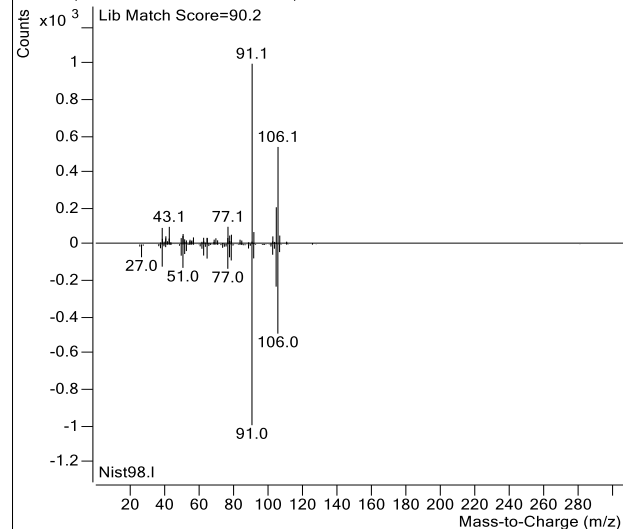


m-/p-Xylenes

+ EIC (91.1) Scan V2205272.D

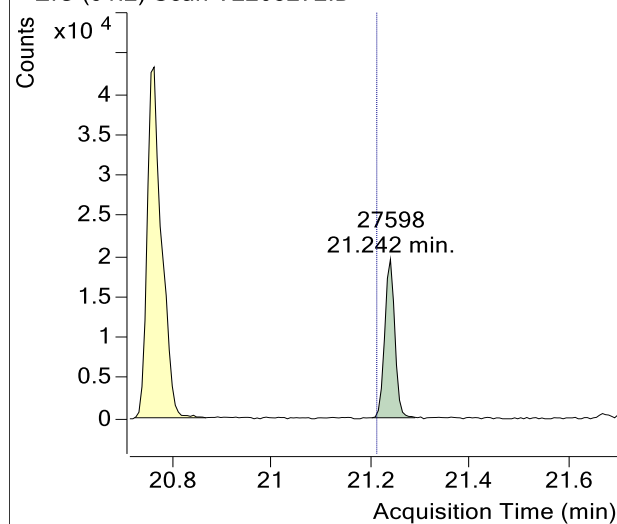


+ Scan (20.725-20.869 min, 24 scans) V2205272.D

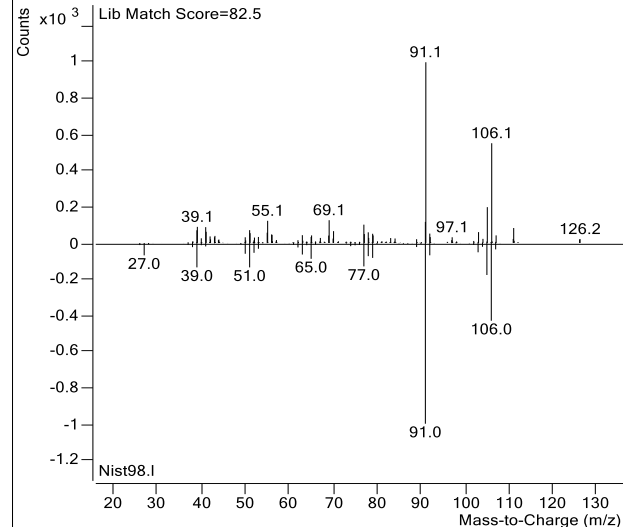


o-Xylene

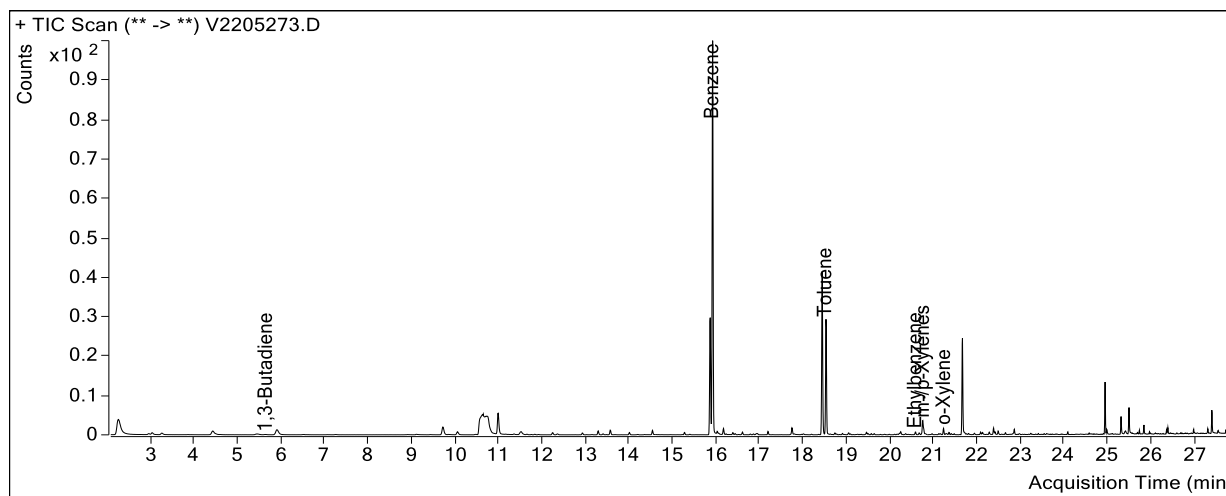
+ EIC (91.2) Scan V2205272.D



+ Scan (21.205-21.291 min, 14 scans) V2205272.D



Sample Name : USSCL-PT10-D-20230314
Sample Info : C02023
Data File : V2205273.D
Acquisition Date : 2023-04-01 11:33:05
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

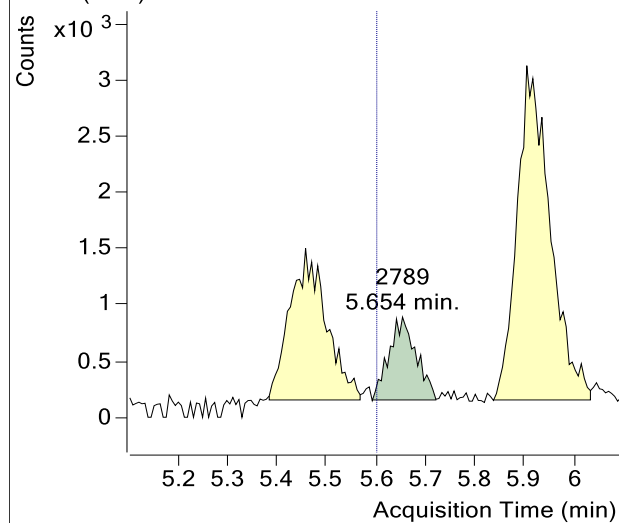


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,789	
Benzene-d6 (IS)	15.84	844,856	
Benzene	15.90	2,576,187	
Toluene-d8 (IS)	18.42	813,985	
Toluene	18.51	633,875	
Ethylbenzene	20.57	15,268	
m-/p-Xylenes	20.75	89,714	
o-Xylene	21.21	25,858	

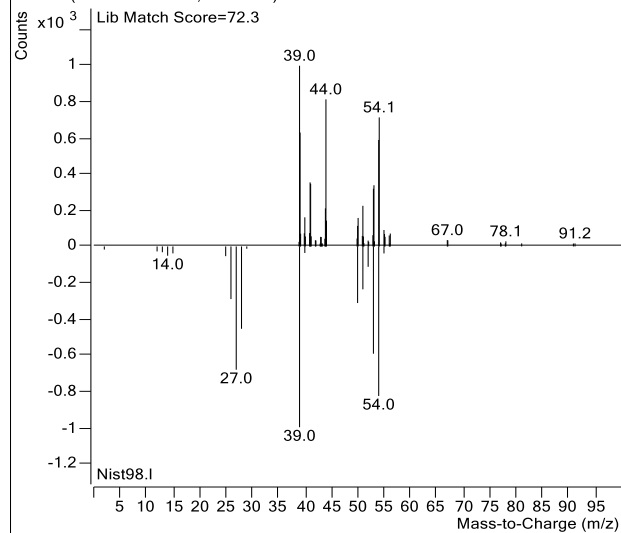
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205273.D

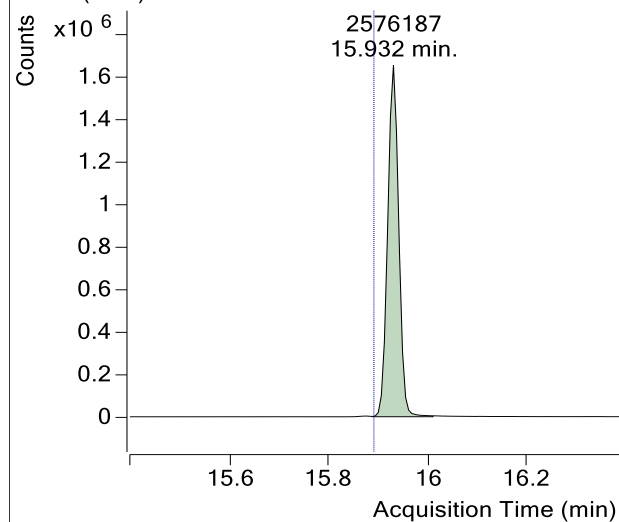


+ Scan (5.593-5.721 min, 21 scans) V2205273.D

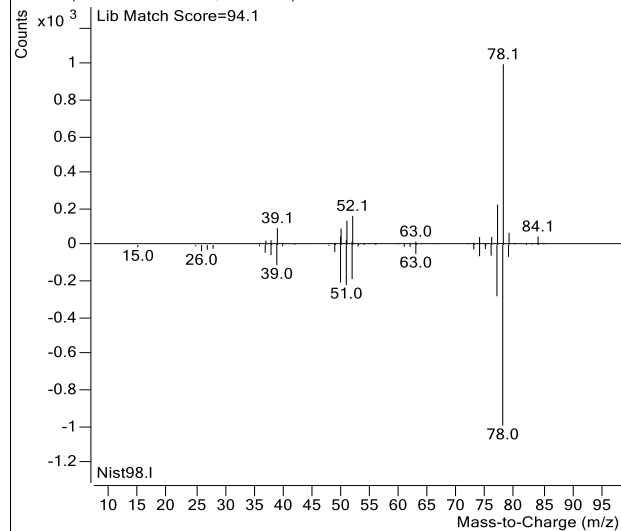


Benzene

+ EIC (78.1) Scan V2205273.D

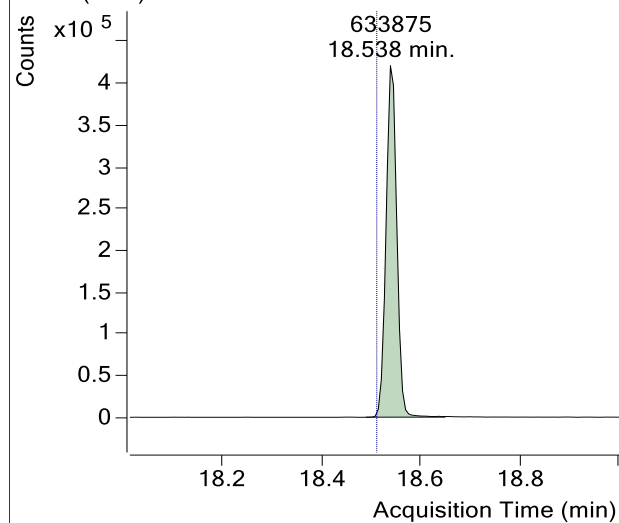


+ Scan (15.889-16.011 min, 20 scans) V2205273.D

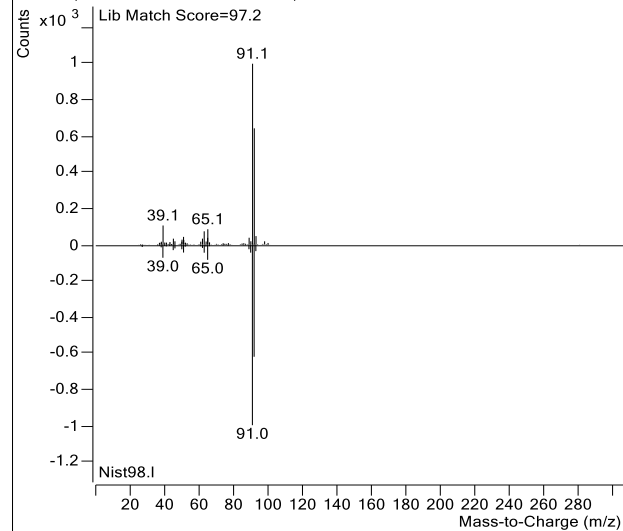


Toluene

+ EIC (91.1) Scan V2205273.D

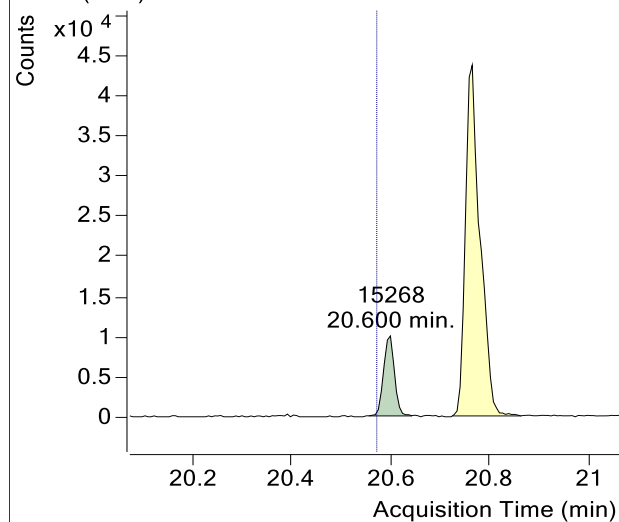


+ Scan (18.489-18.648 min, 26 scans) V2205273.D

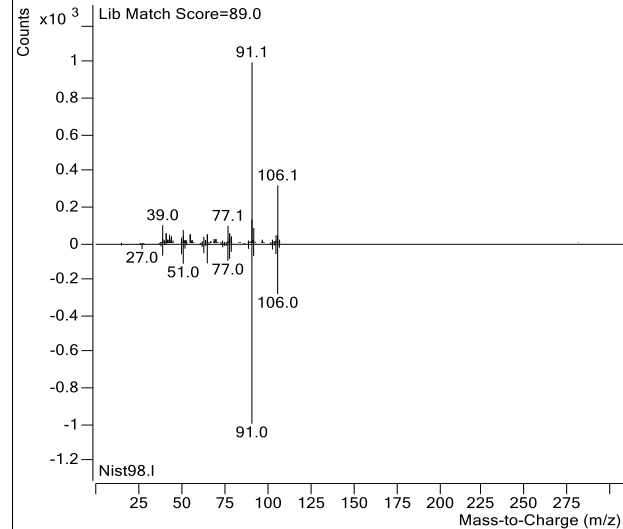


Ethylbenzene

+ EIC (91.2) Scan V2205273.D

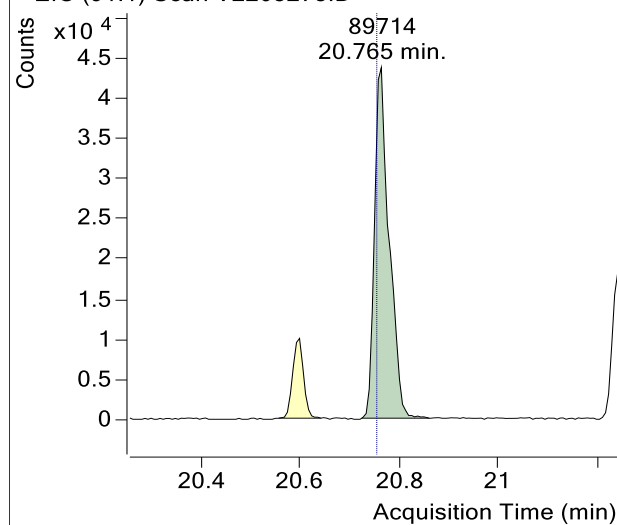


+ Scan (20.557-20.642 min, 15 scans) V2205273.D

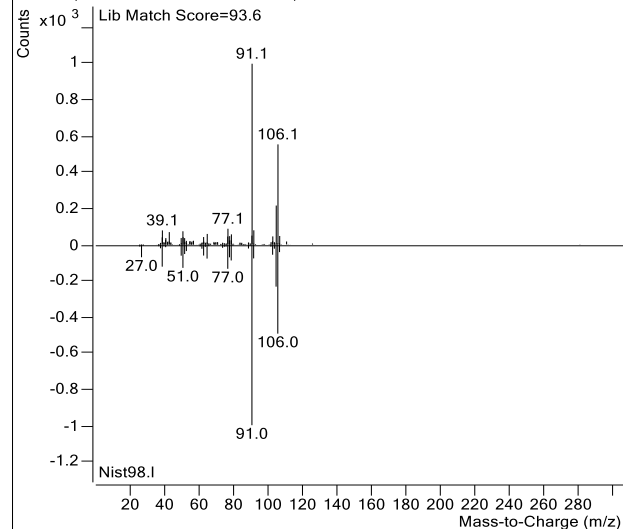


m-/p-Xylenes

+ EIC (91.1) Scan V2205273.D

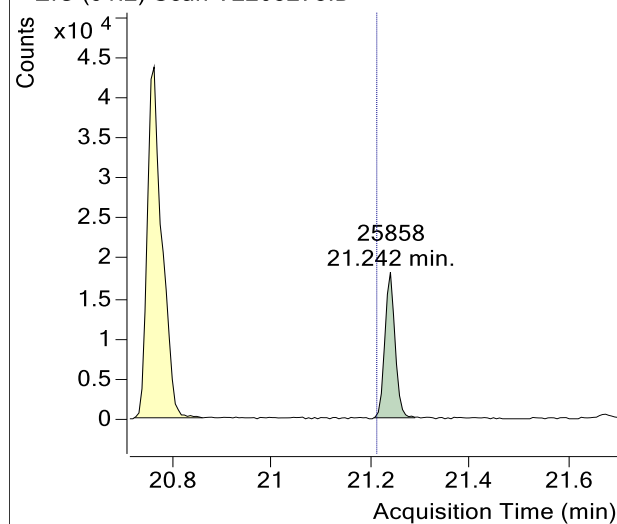


+ Scan (20.725-20.861 min, 23 scans) V2205273.D

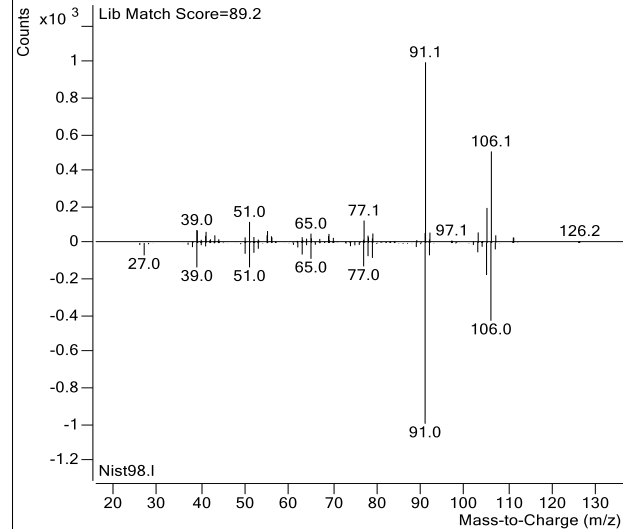


o-Xylene

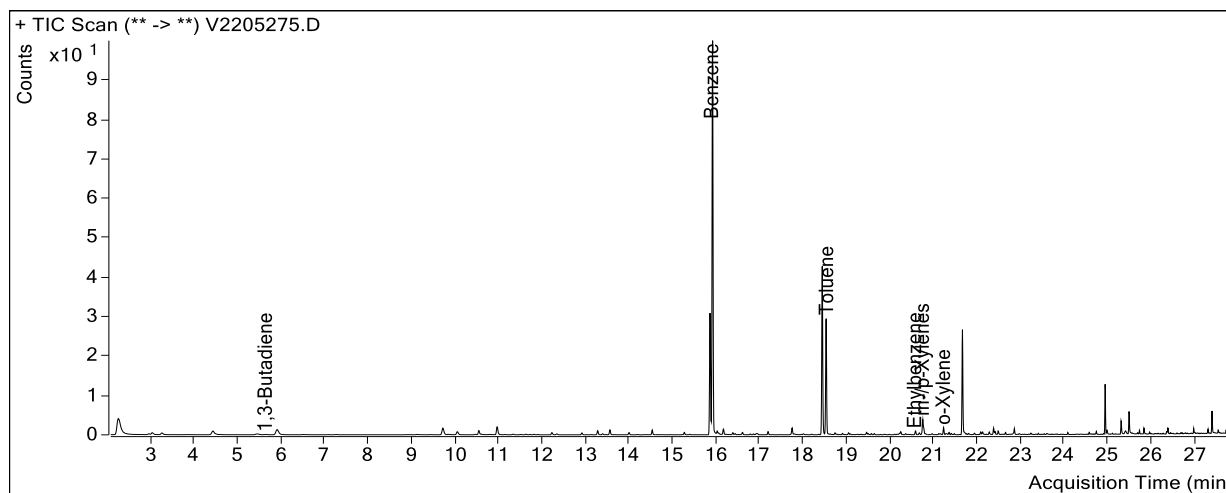
+ EIC (91.2) Scan V2205273.D



+ Scan (21.208-21.291 min, 14 scans) V2205273.D



Sample Name : USSCL-PT10-S-20230314
Sample Info : B52852
Data File : V2205275.D
Acquisition Date : 2023-04-01 12:53:21
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

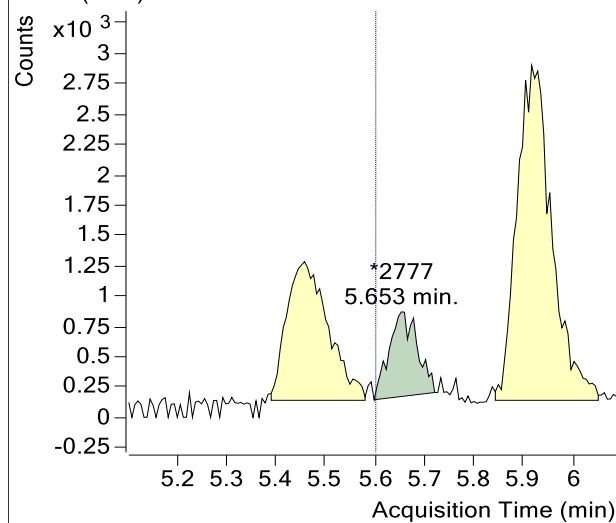


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,777	m
Benzene-d6 (IS)	15.84	857,290	
Benzene	15.90	2,643,796	
Toluene-d8 (IS)	18.42	825,049	
Toluene	18.51	638,560	
Ethylbenzene	20.57	21,243	
m-/p-Xylenes	20.75	92,565	
o-Xylene	21.21	29,632	

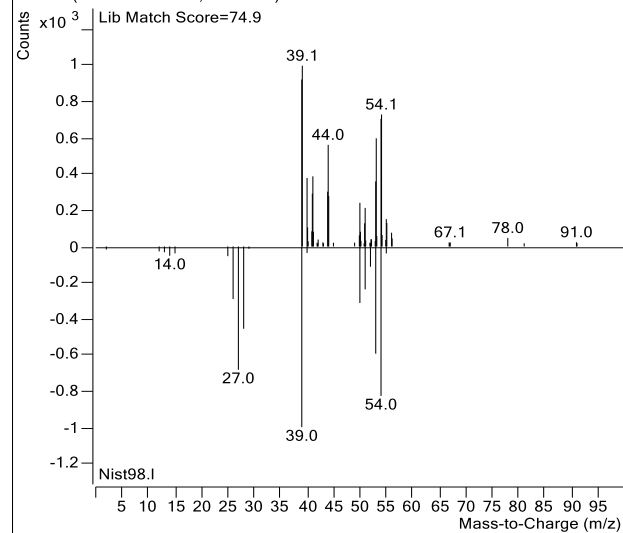
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205275.D

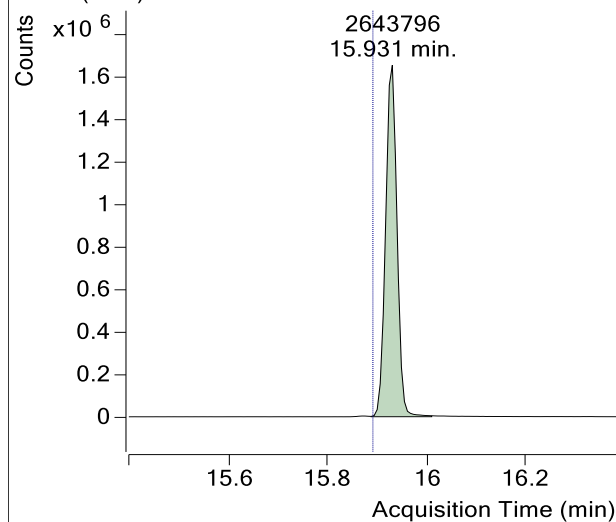


+ Scan (5.598-5.721 min, 20 scans) V2205275.D

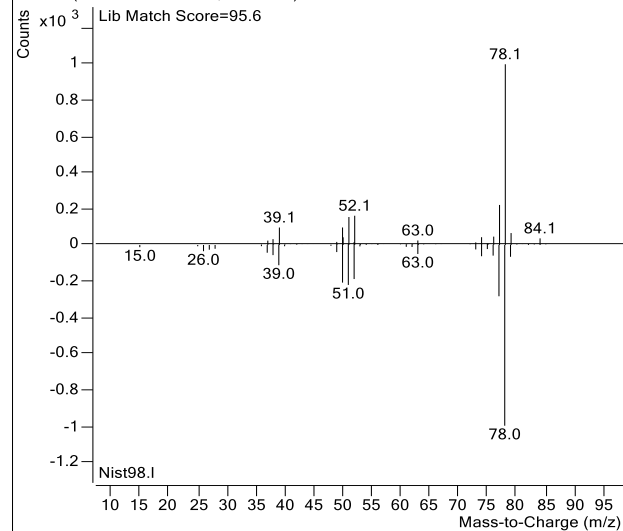


Benzene

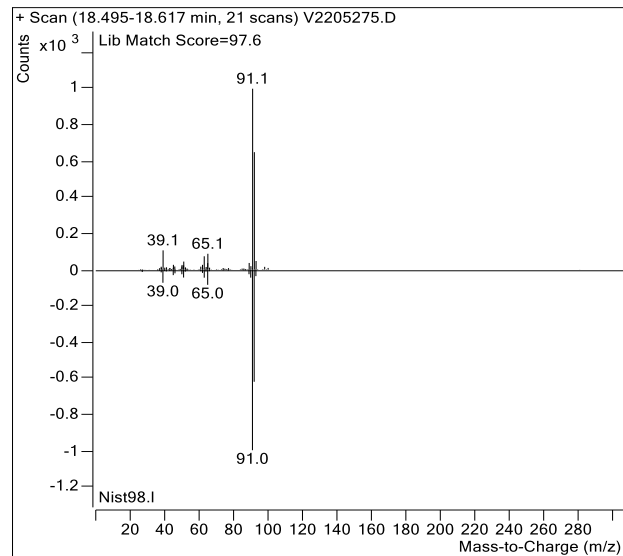
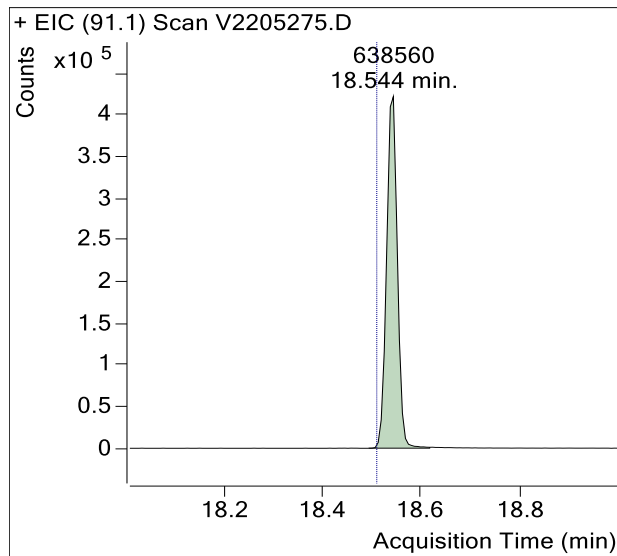
+ EIC (78.1) Scan V2205275.D



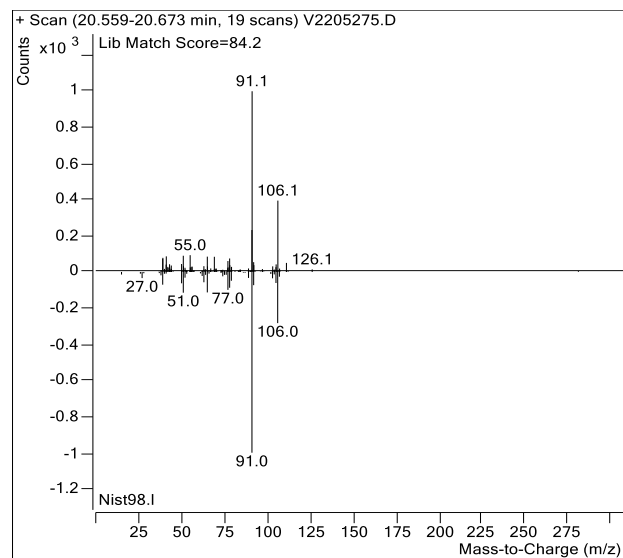
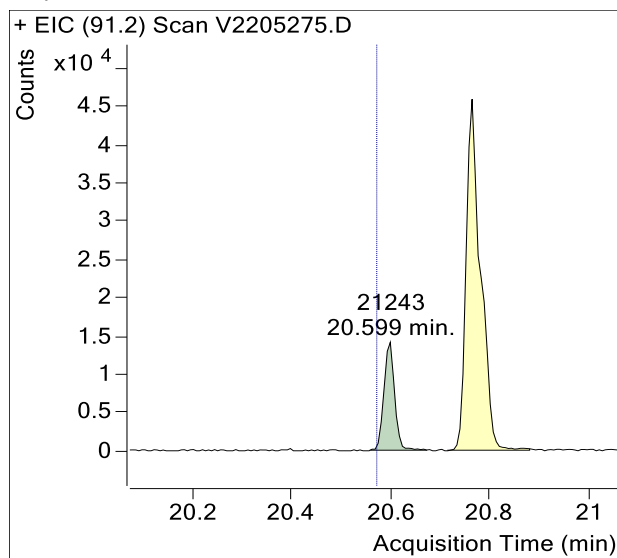
+ Scan (15.889-16.011 min, 21 scans) V2205275.D



Toluene

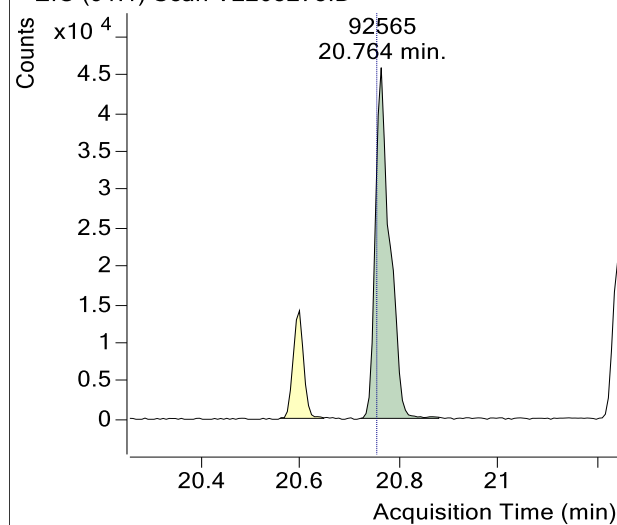


Ethylbenzene

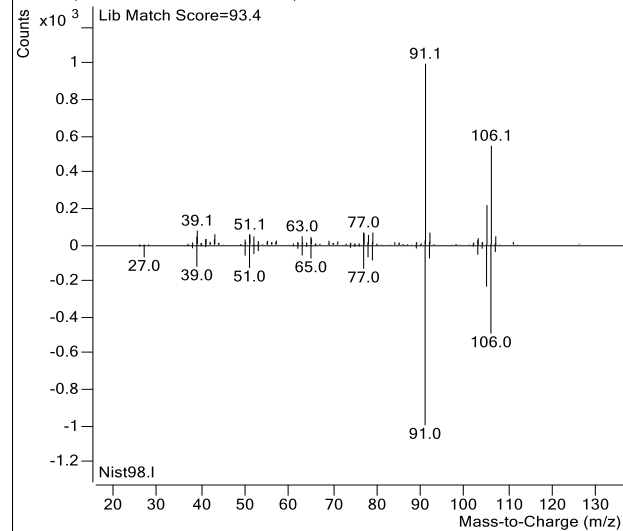


m-/p-Xylenes

+ EIC (91.1) Scan V2205275.D

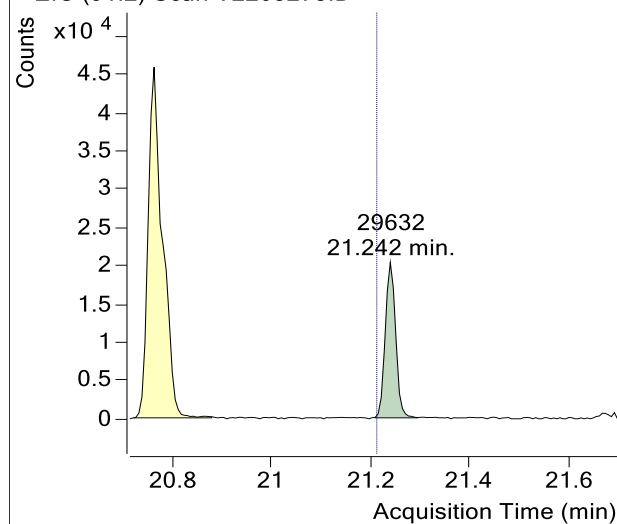


+ Scan (20.723-20.881 min, 26 scans) V2205275.D

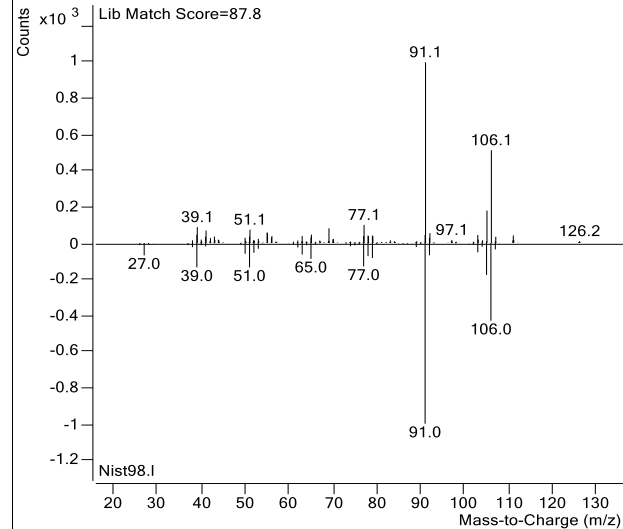


o-Xylene

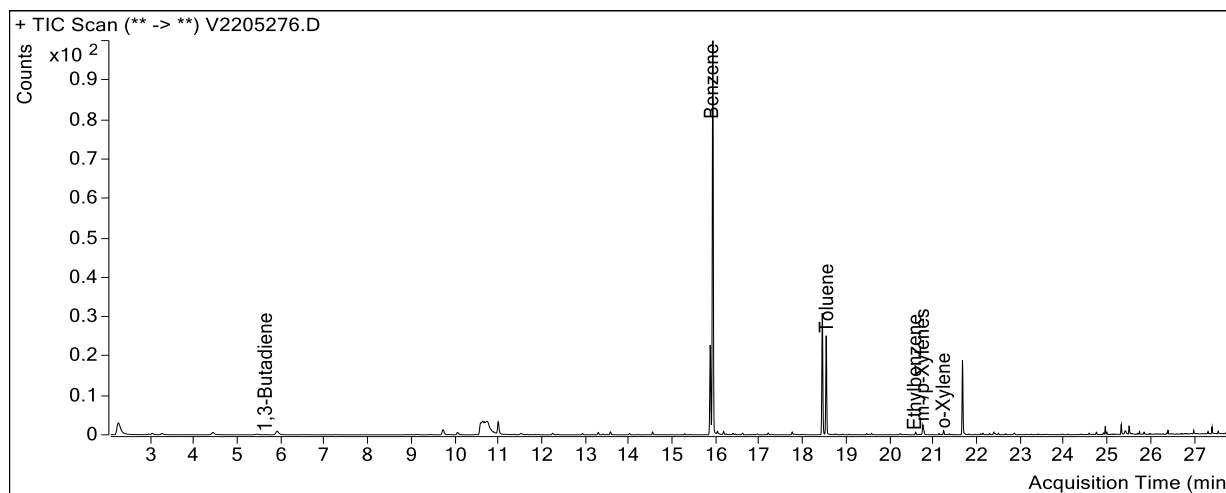
+ EIC (91.2) Scan V2205275.D



+ Scan (21.211-21.297 min, 15 scans) V2205275.D



Sample Name : USSCL-PT11-S-20230314
Sample Info : B50777
Data File : V2205276.D
Acquisition Date : 2023-04-01 13:33:11
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

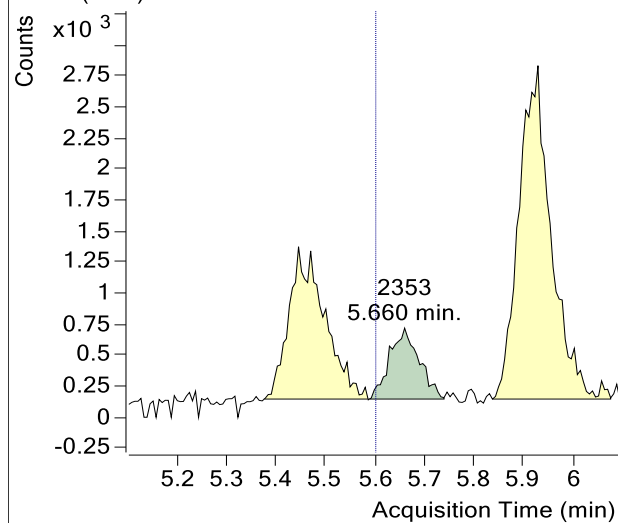


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	2,353	
Benzene-d6 (IS)	15.84	842,007	
Benzene	15.90	3,577,241	
Toluene-d8 (IS)	18.42	813,651	
Toluene	18.51	703,447	
Ethylbenzene	20.57	20,106	
m-/p-Xylenes	20.75	84,744	
o-Xylene	21.21	25,139	

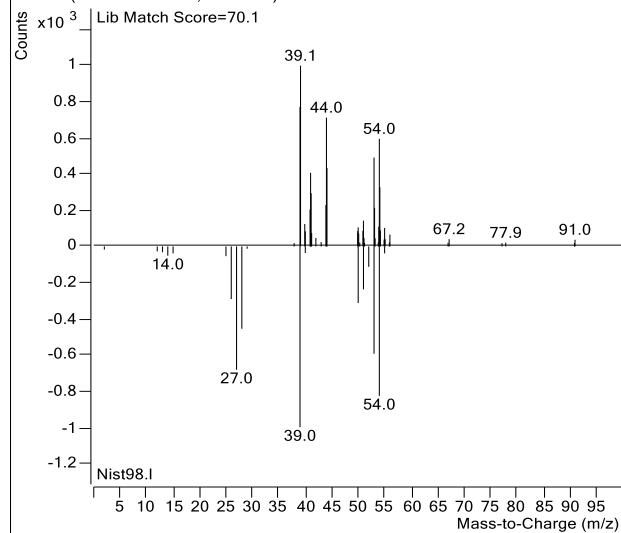
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205276.D

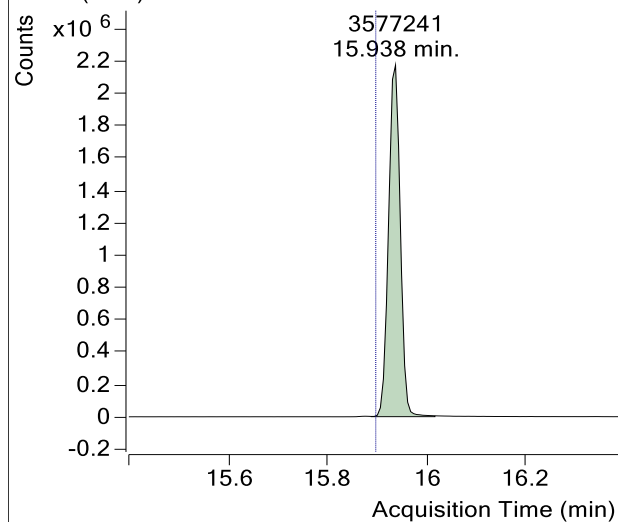


+ Scan (5.589-5.739 min, 25 scans) V2205276.D

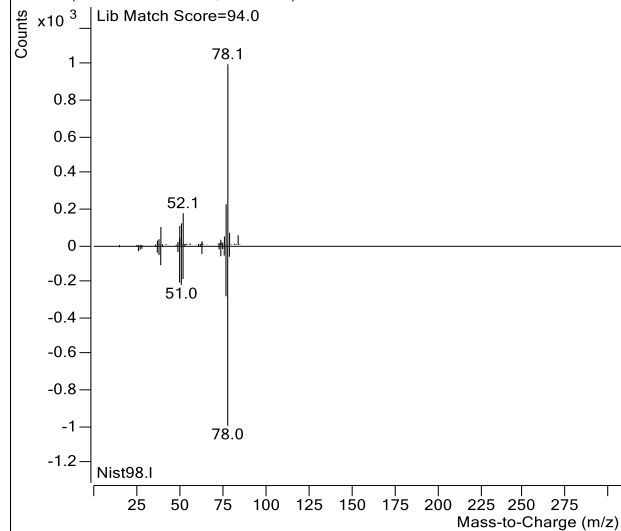


Benzene

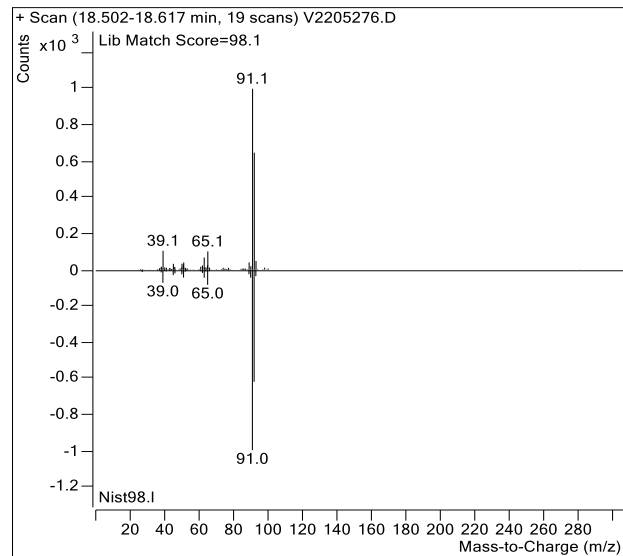
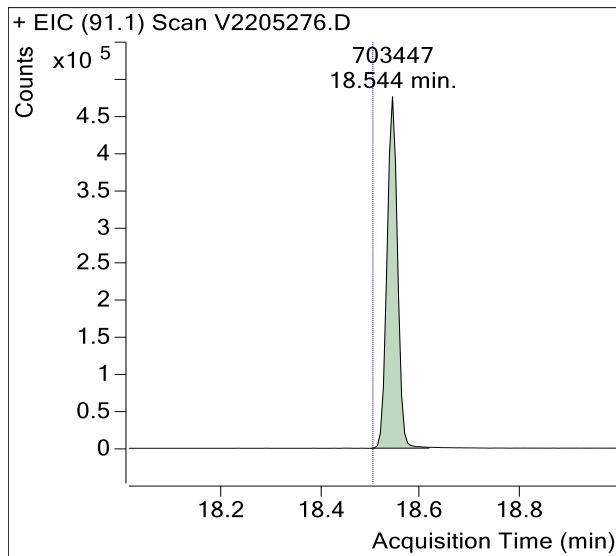
+ EIC (78.1) Scan V2205276.D



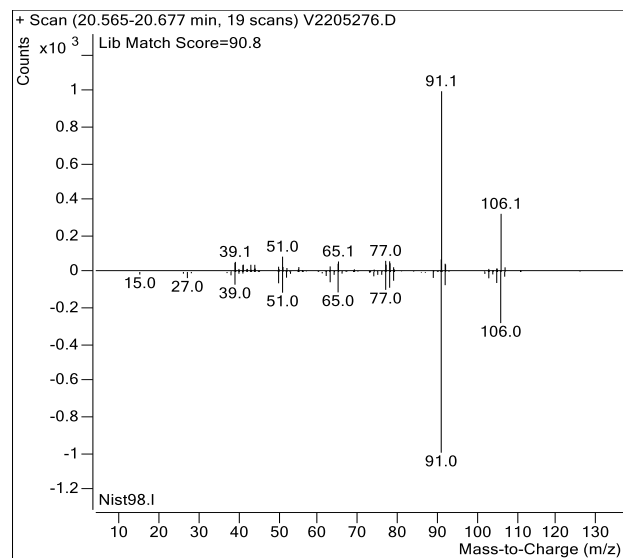
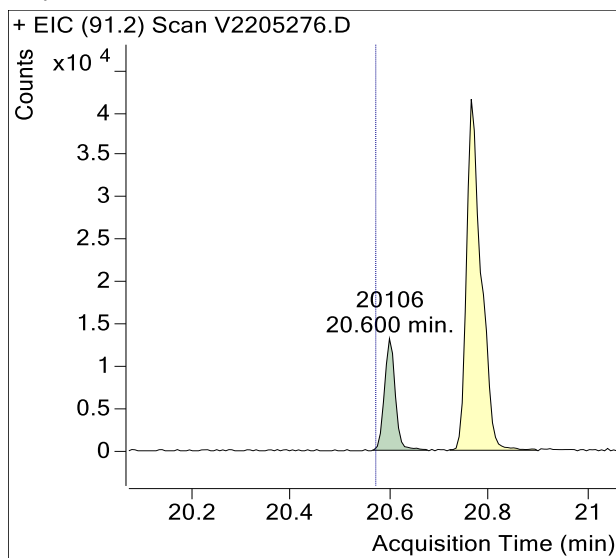
+ Scan (15.889-16.017 min, 22 scans) V2205276.D



Toluene

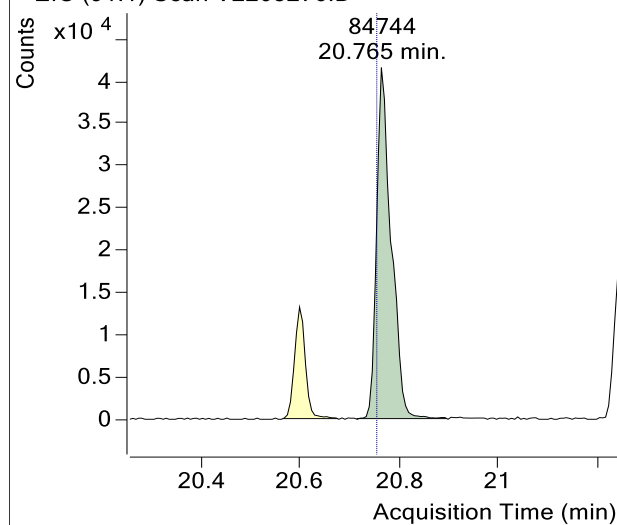


Ethylbenzene

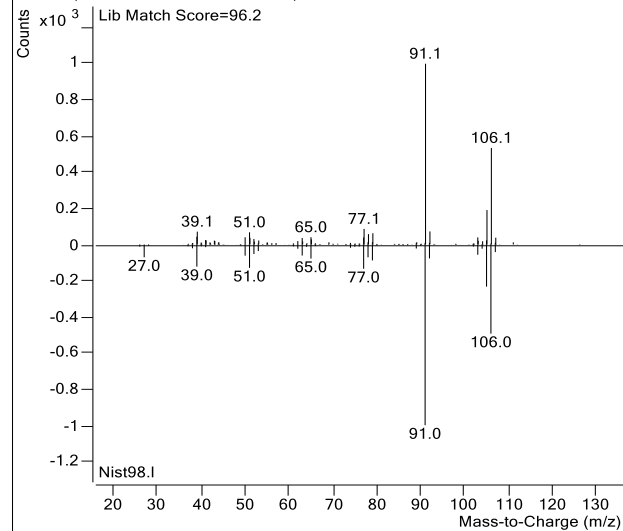


m-/p-Xylenes

+ EIC (91.1) Scan V2205276.D

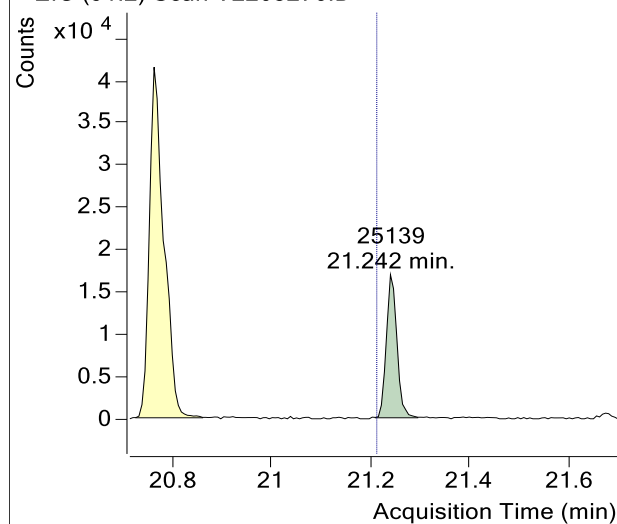


+ Scan (20.716-20.897 min, 30 scans) V2205276.D

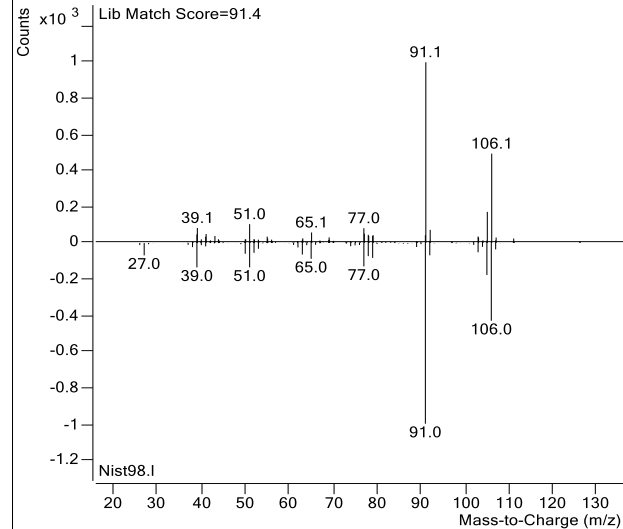


o-Xylene

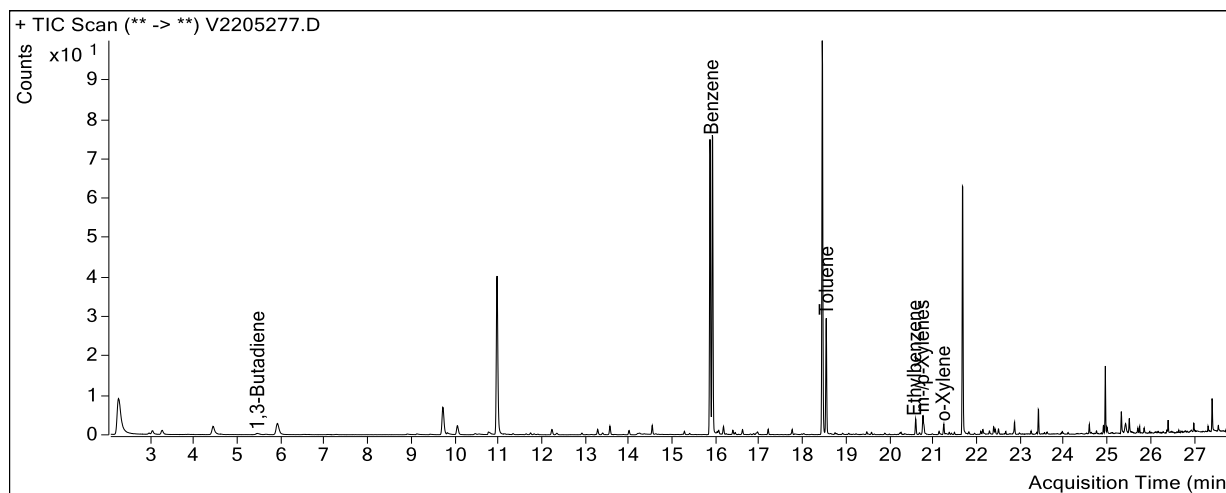
+ EIC (91.2) Scan V2205276.D



+ Scan (21.211-21.297 min, 14 scans) V2205276.D



Sample Name : USSCL-PT12-S-20230314
Sample Info : B18474
Data File : V2205277.D
Acquisition Date : 2023-04-01 14:13:10
Instrument Method : M325B-TD-CRYO9
Matrix : AIR

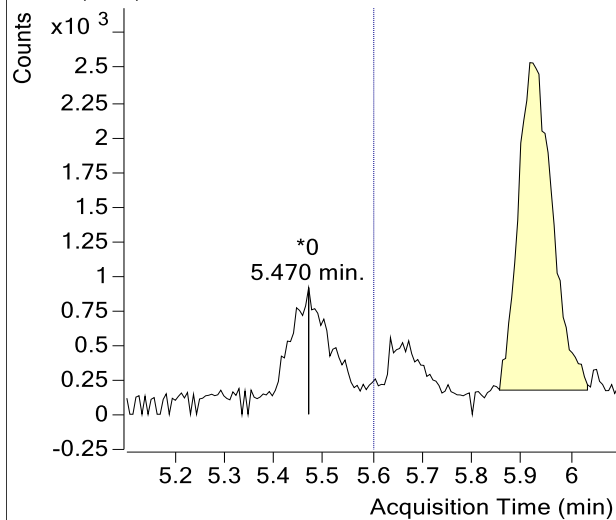


Compound	Retention Time	Response	Flags
1,3-Butadiene	5.60	0	m
Benzene-d6 (IS)	15.84	856,490	
Benzene	15.90	846,124	
Toluene-d8 (IS)	18.42	824,932	
Toluene	18.51	255,110	
Ethylbenzene	20.57	37,704	
m-/p-Xylenes	20.75	53,124	
o-Xylene	21.21	19,622	

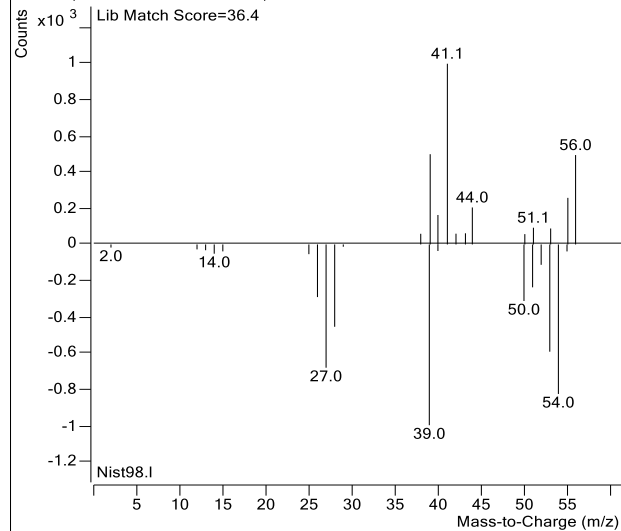
(m)=Manual Integration

1,3-Butadiene

+ EIC (39.0) Scan V2205277.D

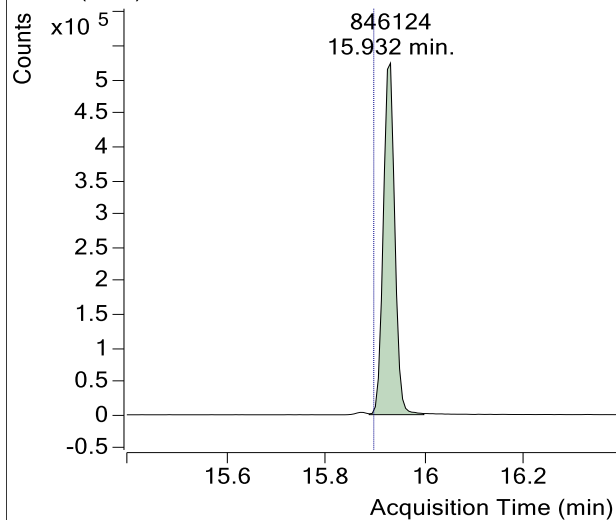


+ Scan (5.470-5.470 min, 1 scans) V2205277.D

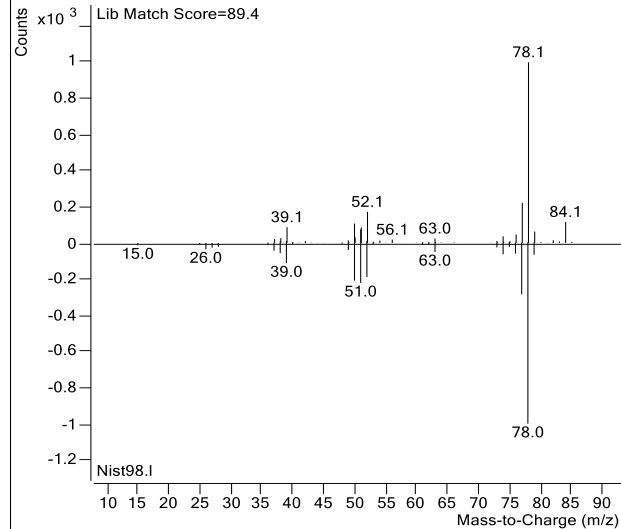


Benzene

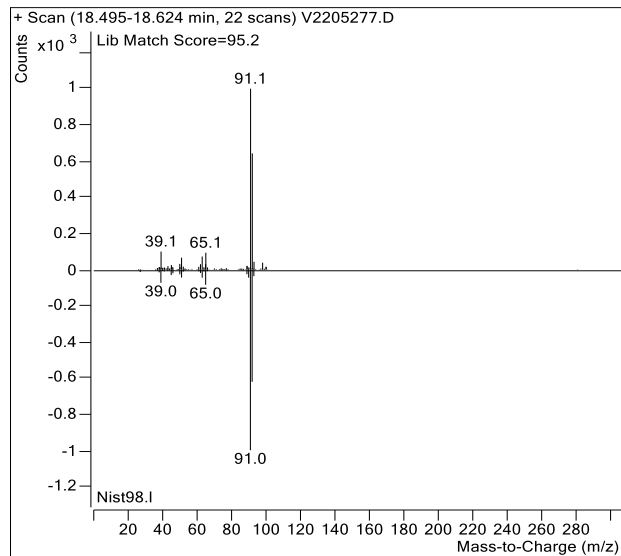
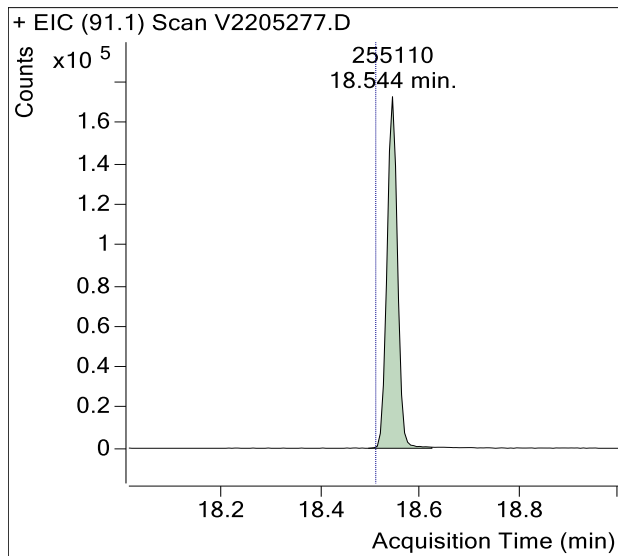
+ EIC (78.1) Scan V2205277.D



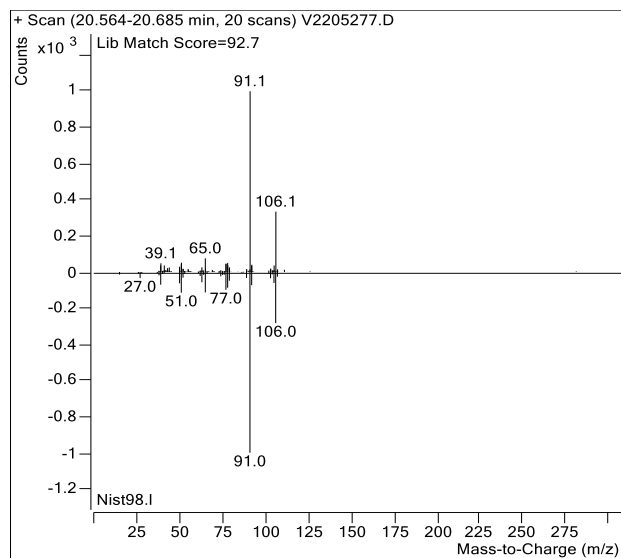
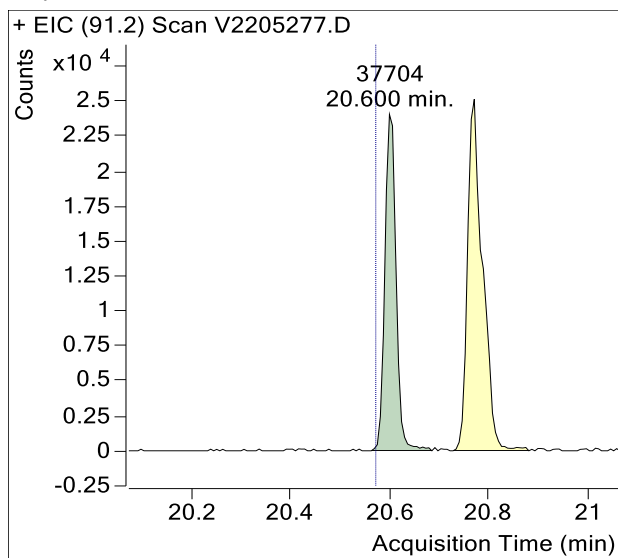
+ Scan (15.889-15.999 min, 18 scans) V2205277.D



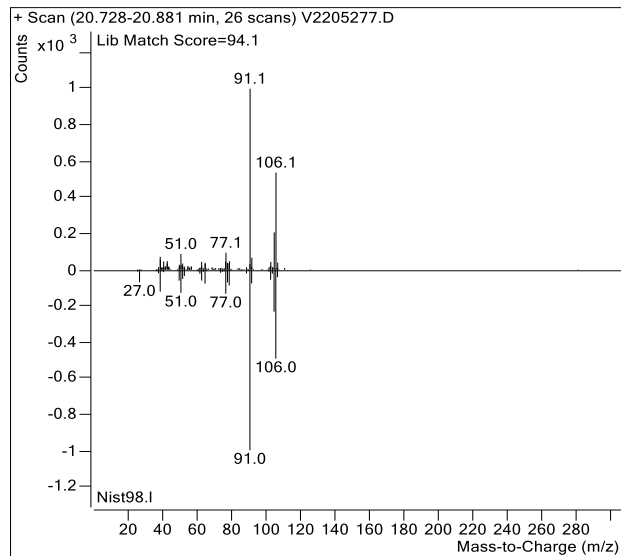
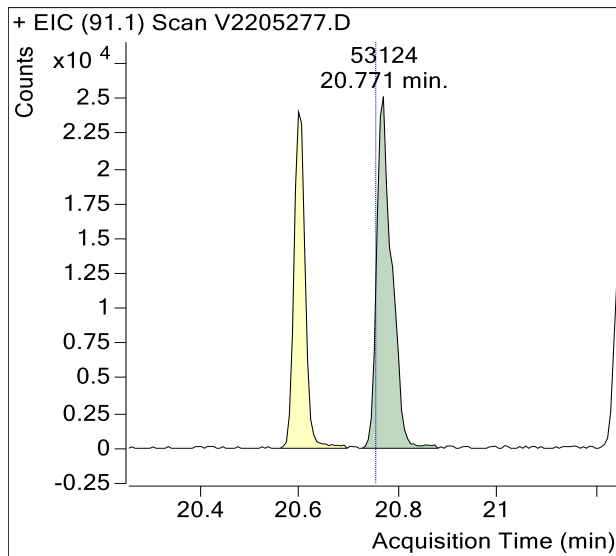
Toluene



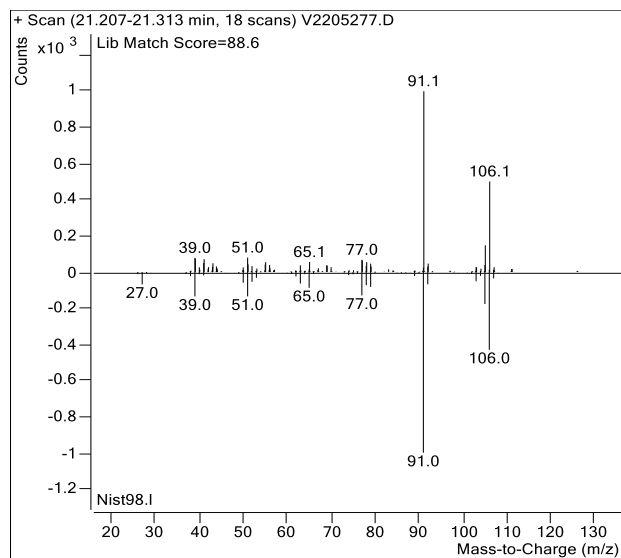
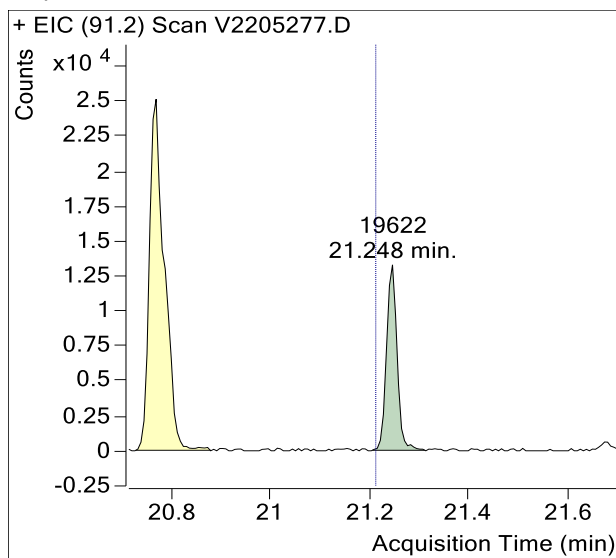
Ethylbenzene



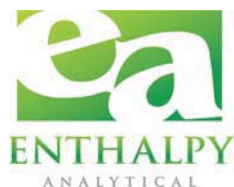
m-/p-Xylenes



o-Xylene



Calibration Summary Reports



Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

1,3-Butadiene 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	0.365	0.343	0.365	6.2%	-0.49%		Pass	
2023EE107 Method Blank-1	Blank		0.343	0.365			-2.4%	Pass	ND
M325B CCV 5	Check	0.360	0.343	0.365	5.0%		-0.094%	Pass	
M325B CCV 5	Check	0.368	0.343	0.365	7.3%		-0.77%	Pass	

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	1.034	1.003	1.034	3.1%	-0.49%		Pass	
2023EE107 Method Blank-1	Blank		1.003	1.034			-2.4%	Pass	ND
M325B CCV 5	Check	1.037	1.003	1.034	3.4%		-0.094%	Pass	
M325B CCV 5	Check	1.064	1.003	1.034	6.1%		-0.77%	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	1.343	1.246	1.343	7.8%	-0.42%		Pass	
2023EE107 Method Blank-1	Blank		1.246	1.343			-2.6%	Pass	ND
M325B CCV 5	Check	1.271	1.246	1.343	2.0%		-0.61%	Pass	
M325B CCV 5	Check	1.350	1.246	1.343	8.4%		-0.64%	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	1.028	0.932	1.028	10%	-0.42%		Pass	
2023EE107 Method Blank-1	Blank		0.932	1.028			-2.6%	Pass	ND
M325B CCV 5	Check	0.935	0.932	1.028	0.29%		-0.61%	Pass	
M325B CCV 5	Check	1.015	0.932	1.028	8.9%		-0.64%	Pass	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

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	1.082	0.974	1.082	11%	-0.42%		Pass	
2023EE107 Method Blank-1	Blank		0.974	1.082			-2.6%	Pass	ND
M325B CCV 5	Check	0.988	0.974	1.082	1.5%		-0.61%	Pass	
M325B CCV 5	Check	1.067	0.974	1.082	9.6%		-0.64%	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	1.203	1.131	1.203	6.4%	-0.42%		Pass	
2023EE107 Method Blank-1	Blank		1.131	1.203			-2.6%	Pass	ND
M325B CCV 5	Check	1.182	1.131	1.203	4.5%		-0.61%	Pass	
M325B CCV 5	Check	1.203	1.131	1.203	6.3%		-0.64%	Pass	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	1	V2205203.D	5.35	17229	92.4	863335	0.345	0.50%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	2	V2205204.D	10.70	32634	92.4	862797	0.327	-4.8%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	3	V2205205.D	21.39	65994	92.4	852272	0.335	-2.5%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	4	V2205206.D	42.79	133304	92.4	865809	0.333	-3.1%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	5	V2205207.D	106.97	366898	92.4	869320	0.365	6.3%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	6	V2205208.D	213.94	715324	92.4	864871	0.357	4.1%
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	7	V2205209.D	641.83	2061590	92.4	870023	0.341	-0.56%
						Avg:	864061	0.343	
						%RSD:	0.68%	4.0%	
V033023A_BUT_BTEX.quantmethod.xml	Benzene	1	V2205203.D	5.27	58533	92.4	863335	1.189	19%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	2	V2205204.D	10.54	99490	92.4	862797	1.011	0.84%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	3	V2205205.D	21.08	193461	92.4	852272	0.995	-0.74%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	4	V2205206.D	42.16	380485	92.4	865809	0.963	-3.9%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	5	V2205207.D	105.40	998732	92.4	869320	1.007	0.47%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	6	V2205208.D	210.80	1921756	92.4	864871	0.974	-2.8%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	7	V2205209.D	632.41	5229762	92.4	870023	0.879	-12%
						Avg:	864061	1.003	
						%RSD:	0.68%	9.3%	

Enthalpy Analytical

Company: All4, Inc.

Job No.: 2023EE107-1 EPA Method 325B Analysis

Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	2	V2205204.D	10.83	106201	109.3	842237	1.272	2.1%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	3	V2205205.D	21.67	213211	109.3	833818	1.290	3.5%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	4	V2205206.D	43.33	436609	109.3	840482	1.310	5.2%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	5	V2205207.D	108.34	1053557	109.3	847593	1.254	0.65%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	6	V2205208.D	216.67	2049169	109.3	838718	1.233	-1.1%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	7	V2205209.D	650.02	5563240	109.3	837447	1.117	-10%
						Avg:	840049	1.246	
						%RSD:	0.56%	5.5%	
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	2	V2205204.D	10.90	78094	109.3	842237	0.929	-0.26%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	3	V2205205.D	21.81	155705	109.3	833818	0.936	0.44%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	4	V2205206.D	43.62	325249	109.3	840482	0.970	4.1%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	5	V2205207.D	109.04	779701	109.3	847593	0.922	-1.0%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	6	V2205208.D	218.09	1539883	109.3	838718	0.920	-1.2%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	7	V2205209.D	654.27	4578956	109.3	837447	0.913	-2.0%
						Avg:	840049	0.932	
						%RSD:	0.56%	2.2%	

Enthalpy Analytical

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Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	2	V2205204.D	10.96	85412	109.3	842237	1.011	3.8%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	3	V2205205.D	21.93	167271	109.3	833818	1.000	2.7%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	4	V2205206.D	43.86	351004	109.3	840482	1.041	6.9%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	5	V2205207.D	109.64	814026	109.3	847593	0.957	-1.7%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	6	V2205208.D	219.28	1593179	109.3	838718	0.947	-2.8%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	7	V2205209.D	657.85	4471401	109.3	837447	0.887	-8.9%
						Avg:	840049	0.974	
						%RSD:	0.56%	5.6%	
V033023A_BUT_BTEX.quantmethod.xml	Toluene	2	V2205204.D	10.95	101533	109.3	842237	1.204	6.4%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	3	V2205205.D	21.89	198690	109.3	833818	1.190	5.2%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	4	V2205206.D	43.78	385990	109.3	840482	1.147	1.4%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	5	V2205207.D	109.45	972222	109.3	847593	1.146	1.3%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	6	V2205208.D	218.91	1868010	109.3	838718	1.112	-1.7%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	7	V2205209.D	656.72	4977331	109.3	837447	0.989	-13%
						Avg:	840049	1.131	
						%RSD:	0.56%	6.8%	

Enthalpy Analytical

Company: All4, Inc.
Job No.: 2023EE107-1 EPA Method 325B Analysis
Client No.: 00701-0002.00 Site: US Steel Corp - Clairton Works ICR

Calibration Curves

Method	Compound	Level	Cal File	Amount (ng)	Area	ISTD Amt (ng)	ISTD Area	RRF	Dev
V033023A_BUT_BTEX.quantmethod.xml	1,3-Butadiene	ICV	V2205210.D	104.90	375855	92.4	865460	0.383	12%
V033023A_BUT_BTEX.quantmethod.xml	Benzene	ICV	V2205210.D	105.60	1026704	92.4	865460	1.038	3.5%
V033023A_BUT_BTEX.quantmethod.xml	Ethylbenzene	ICV	V2205210.D	108.53	1109904	109.3	838719	1.333	7%
V033023A_BUT_BTEX.quantmethod.xml	m-/p-Xylenes	ICV	V2205210.D	109.24	821374	109.3	838719	0.980	5.2%
V033023A_BUT_BTEX.quantmethod.xml	o-Xylene	ICV	V2205210.D	109.84	839084	109.3	838719	0.996	2.2%
V033023A_BUT_BTEX.quantmethod.xml	Toluene	ICV	V2205210.D	109.67	1015778	109.3	838719	1.207	6.7%

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