

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070124\
 Data File : U059701.D
 Acq On : 01 Jul 2024 22:05
 Operator : MD/SY
 Sample : P3121-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BG8

Quant Time: Jul 02 03:55:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	217491	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	118962	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	41862	2.768	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.400%
7) Chloroethane-d5	1.908	69	46193	3.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.400%#
11) 1,1-Dichloroethene-d2	2.560	65	20145	3.211	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.200%
20) 2-Butanone-d5	4.628	46	137179	44.036	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.080%
24) Chloroform-d	5.055	84	109662	3.533	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.600%
26) 1,2-Dichloroethane-d4	5.695	65	53390	3.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
32) Benzene-d6	5.721	84	223963	3.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.682	67	72281	4.074	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.891	98	209921	3.900	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.174	79	24324	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.628	63	141426	61.261	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	64241	4.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	90173	4.259	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	112854	5.151	ug/L	100
12) 1,1-Dichloroethene	2.570	96	4728	0.307	ug/L #	1
14) Carbon disulfide	2.785	76	23771	0.462	ug/L	97
15) Methyl Acetate	2.953	43	86989	16.313	ug/L #	73
18) trans-1,2-Dichloroethene	3.345	96	54067	3.370	ug/L	90
21) 2-Butanone	4.724	43	41810	12.899	ug/L	94
22) cis-1,2-Dichloroethene	4.653	96	4538858	256.692	ug/L	95
30) Cyclohexane	5.380	56	1170596	54.571	ug/L	93
33) Benzene	5.769	78	112286	1.757	ug/L	100
34) Trichloroethene	6.534	95	105869	6.118	ug/L	97
35) Methylcyclohexane	6.756	83	297379	12.078	ug/L	99
42) Toluene	7.962	91	3641526	53.833	ug/L	100
47) Tetrachloroethene	8.547	164	17561	1.308	ug/L	96
52) Ethylbenzene	9.566	91	9617234	138.595	ug/L	96
53) m,p-Xylene	9.692	106	12534157	470.317	ug/L #	38
54) o-Xylene	10.094	106	3060825	121.017	ug/L	97
60) Isopropylbenzene	10.476	105	763861	10.395	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	3253078	55.877	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	11458938	205.873	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration

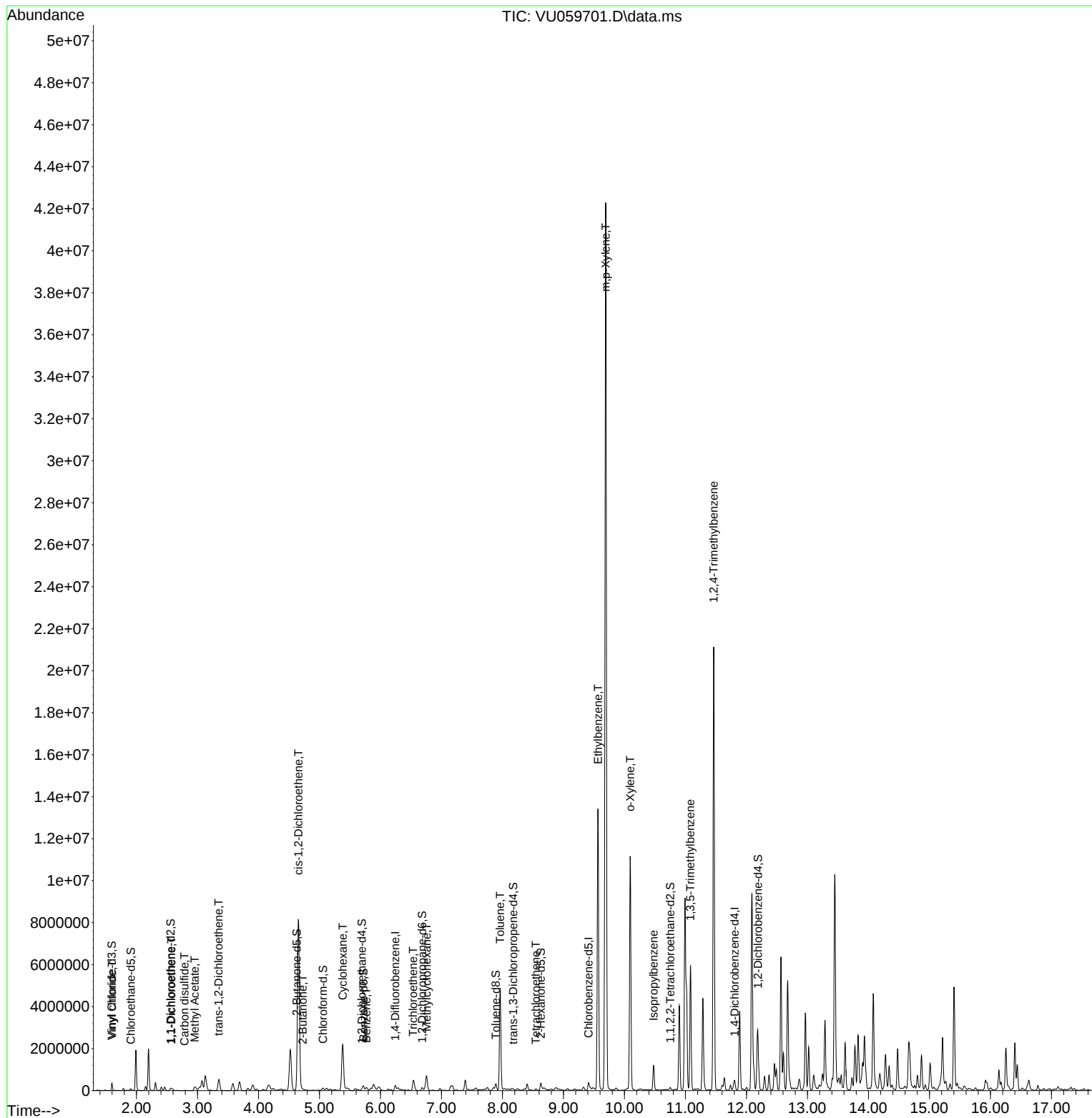
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

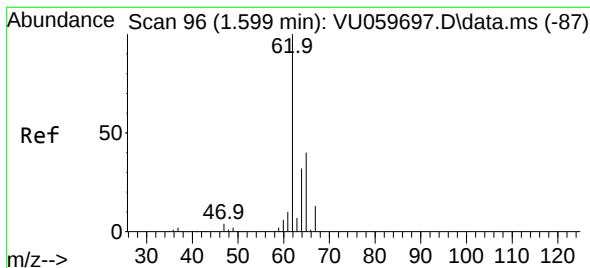
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.151 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

Instrument :

MSVOA_U

ClientSampleId :

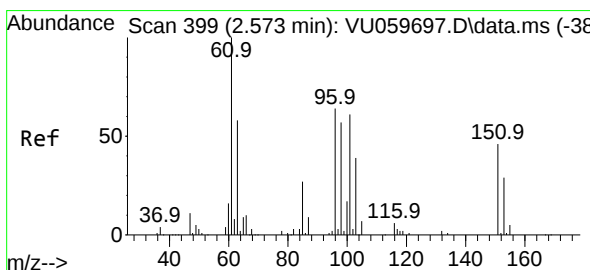
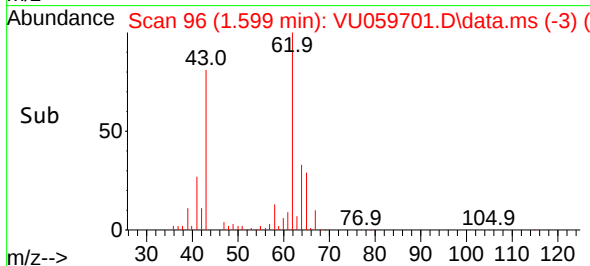
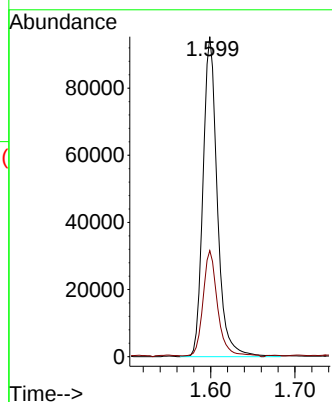
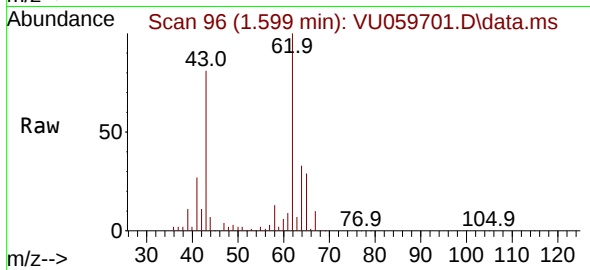
C0BG8

Tgt Ion: 62 Resp: 112854

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#12

1,1-Dichloroethene

Concen: 0.307 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

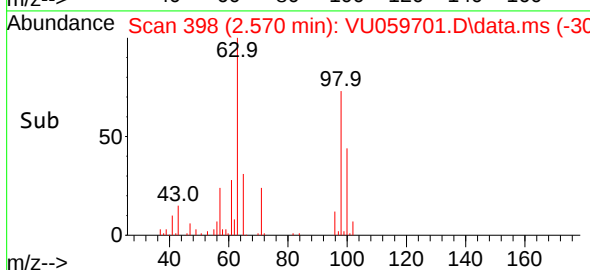
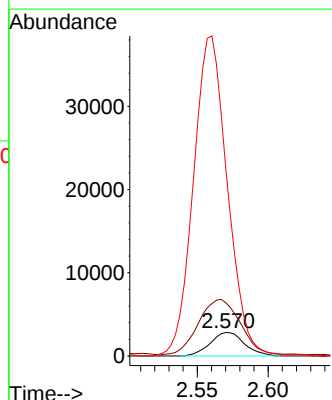
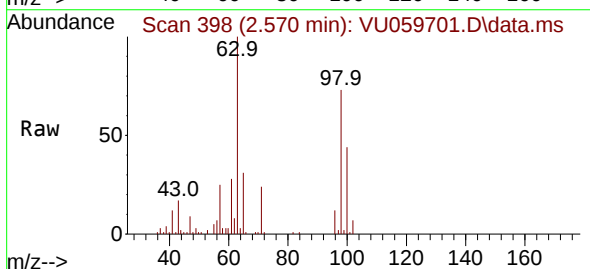
Tgt Ion: 96 Resp: 4728

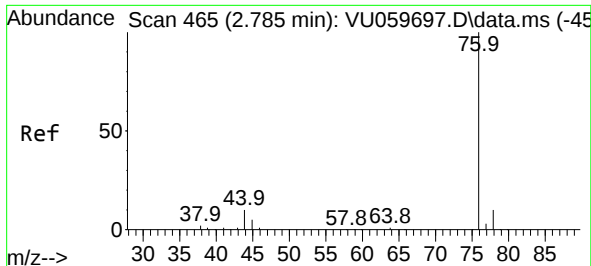
Ion Ratio Lower Upper

96 100

61 228.9 122.9 228.3#

63 815.1 80.4 149.4#

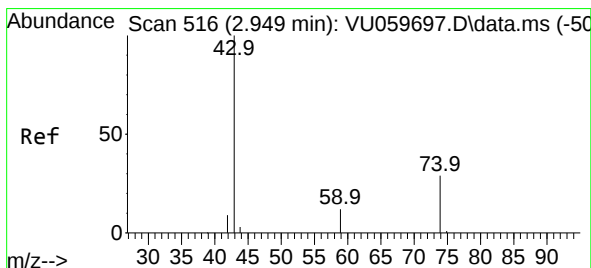
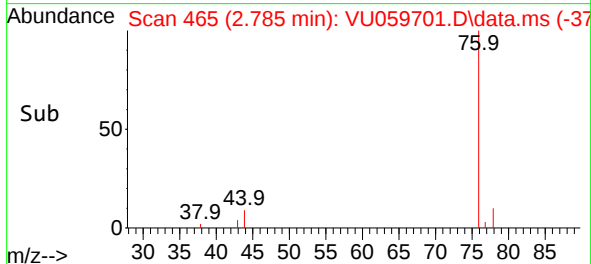
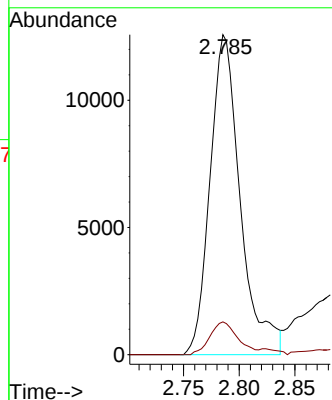
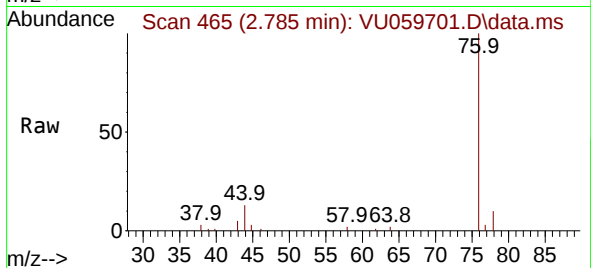




#14
Carbon disulfide
Concen: 0.462 ug/L
RT: 2.785 min Scan# 465
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

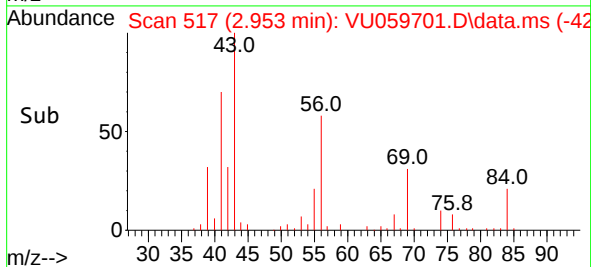
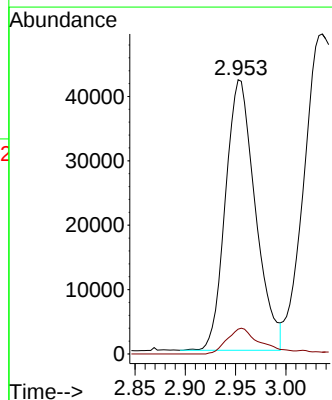
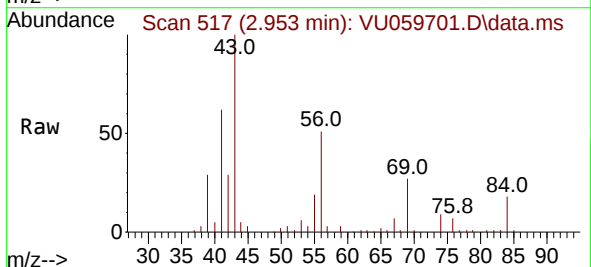
Instrument :
MSVOA_U
ClientSampleId :
C0BG8

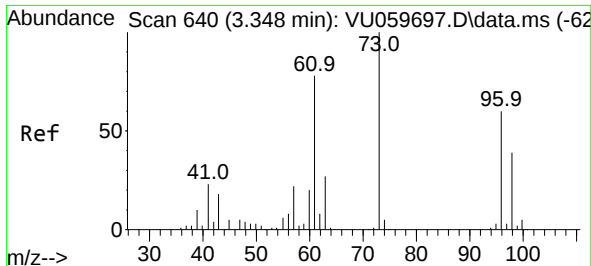
Tgt Ion: 76 Resp: 23771
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#15
Methyl Acetate
Concen: 16.313 ug/L
RT: 2.953 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 43 Resp: 86989
Ion Ratio Lower Upper
43 100
74 10.6 19.2 28.8#

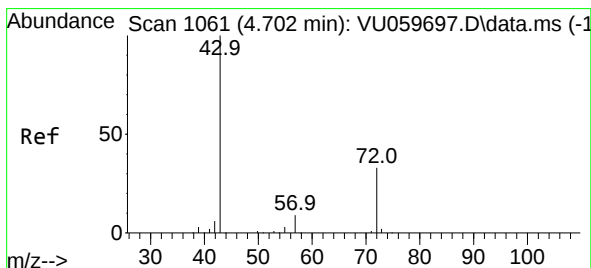
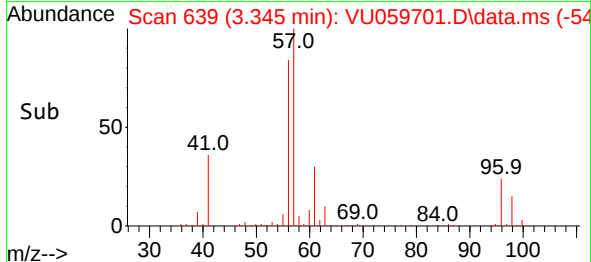
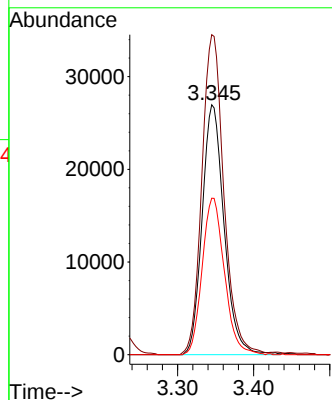
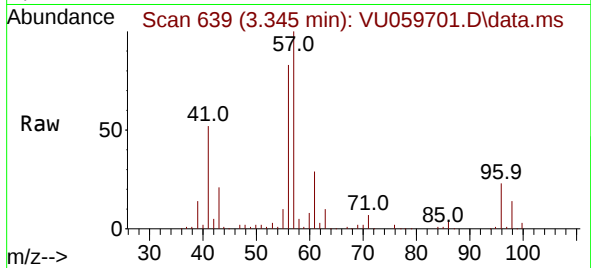




#18
trans-1,2-Dichloroethene
Concen: 3.370 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

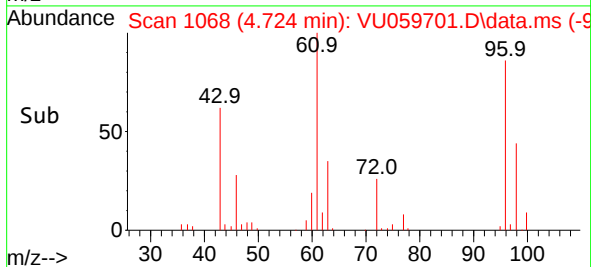
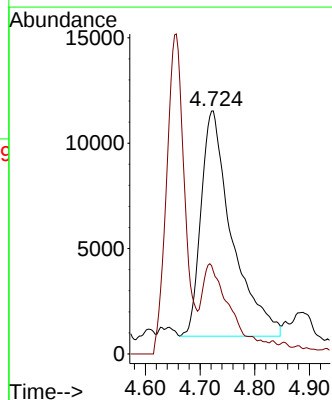
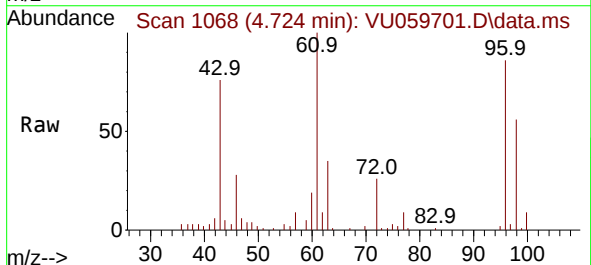
Instrument :
MSVOA_U
ClientSampleId :
C0BG8

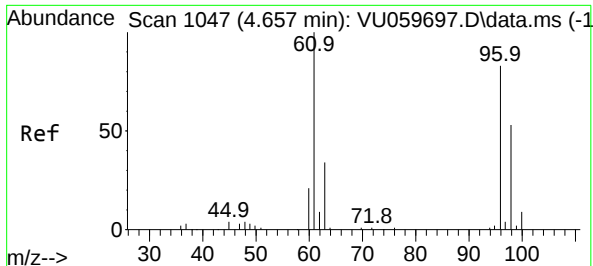
Tgt Ion: 96 Resp: 54067
Ion Ratio Lower Upper
96 100
61 128.0 101.8 189.0
98 62.6 43.3 80.5



#21
2-Butanone
Concen: 12.899 ug/L
RT: 4.724 min Scan# 1068
Delta R.T. 0.026 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 43 Resp: 41810
Ion Ratio Lower Upper
43 100
72 30.7 13.8 41.4



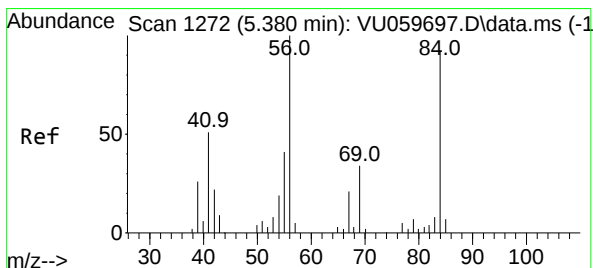
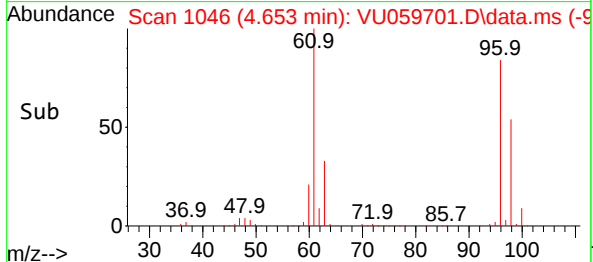
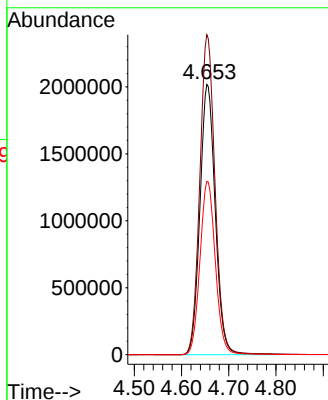
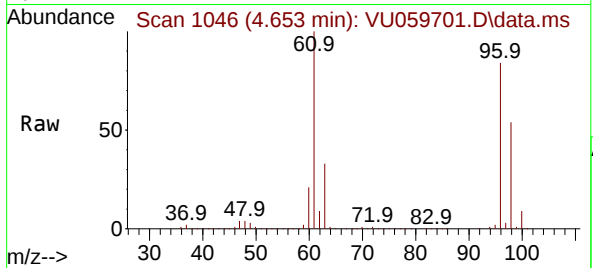


#22
 cis-1,2-Dichloroethene
 Concen: 256.692 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.006 min
 Lab File: VU059701.D
 Acq: 01 Jul 2024 22:05

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BG8

Tgt Ion: 96 Resp: 4538858

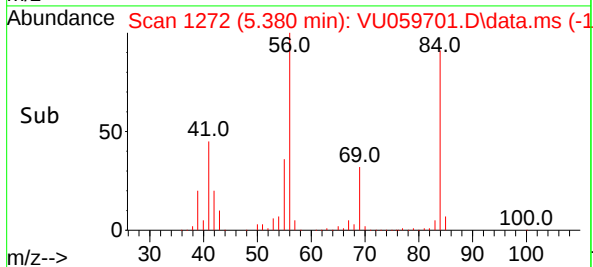
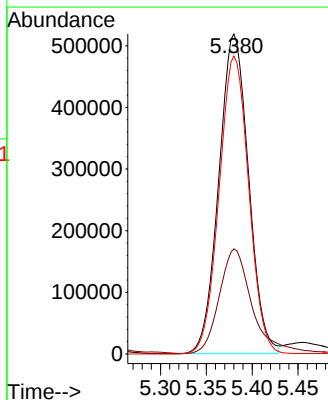
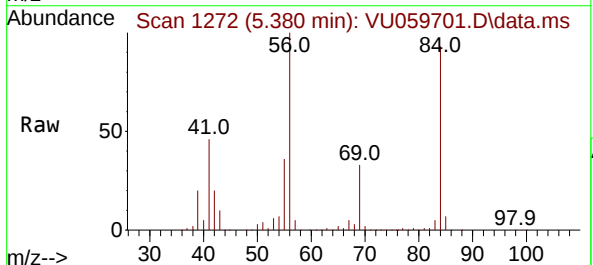
Ion	Ratio	Lower	Upper
96	100		
61	118.4	87.4	162.2
98	64.1	42.3	78.5

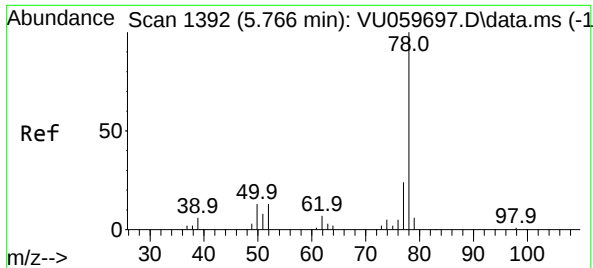


#30
 Cyclohexane
 Concen: 54.571 ug/L
 RT: 5.380 min Scan# 1272
 Delta R.T. 0.000 min
 Lab File: VU059701.D
 Acq: 01 Jul 2024 22:05

Tgt Ion: 56 Resp: 1170596

Ion	Ratio	Lower	Upper
56	100		
69	37.0	24.8	37.2
84	92.8	69.8	104.8





#33

Benzene

Concen: 1.757 ug/L

RT: 5.769 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

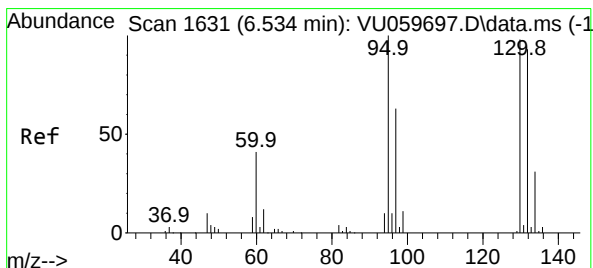
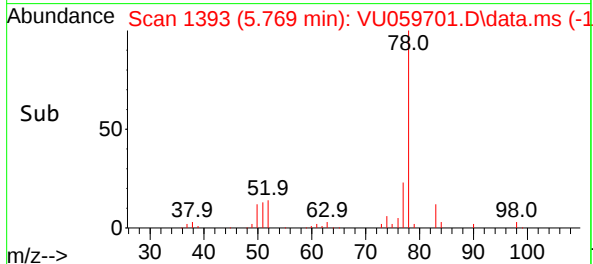
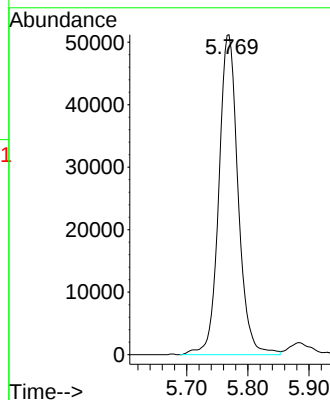
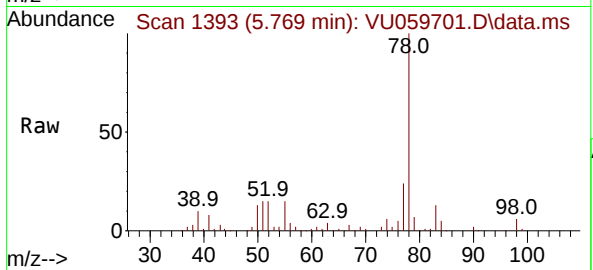
Instrument :

MSVOA_U

ClientSampleId :

C0BG8

Tgt Ion: 78 Resp: 112286



#34

Trichloroethene

Concen: 6.118 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

Tgt Ion: 95 Resp: 105869

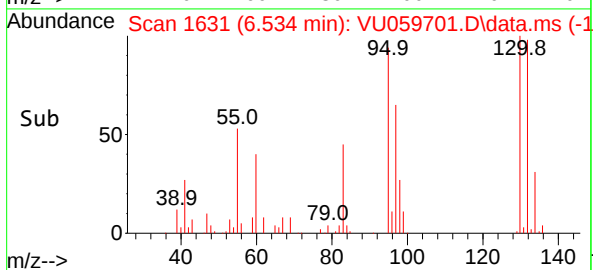
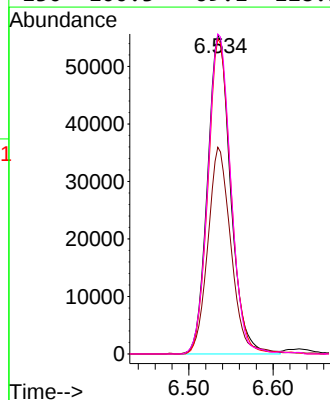
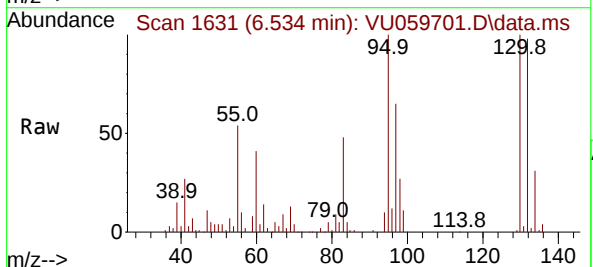
Ion Ratio Lower Upper

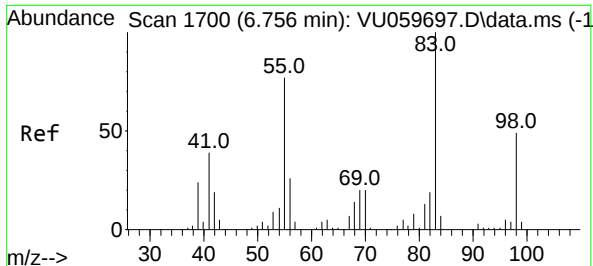
95 100

97 64.8 45.3 84.1

132 98.7 64.0 119.0

130 100.3 69.1 128.3

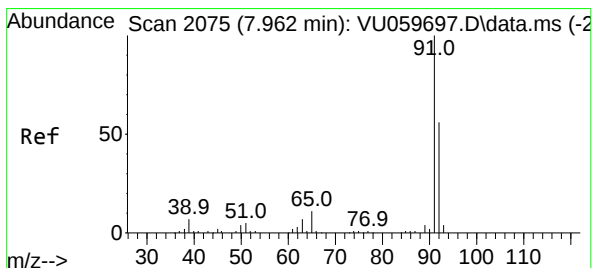
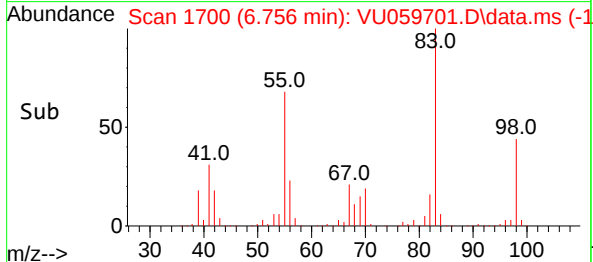
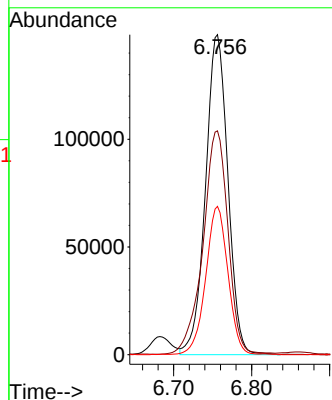
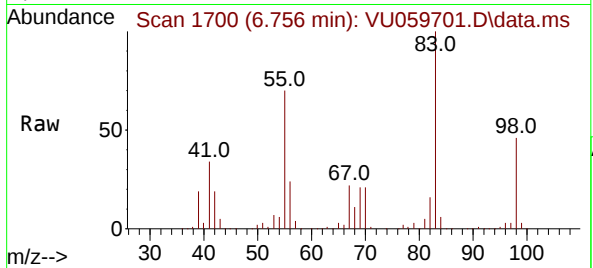




#35
Methylcyclohexane
Concen: 12.078 ug/L
RT: 6.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

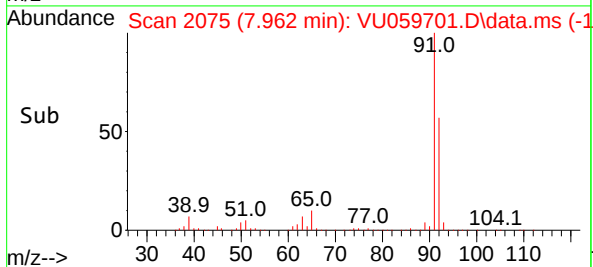
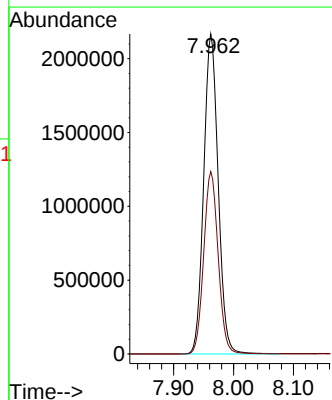
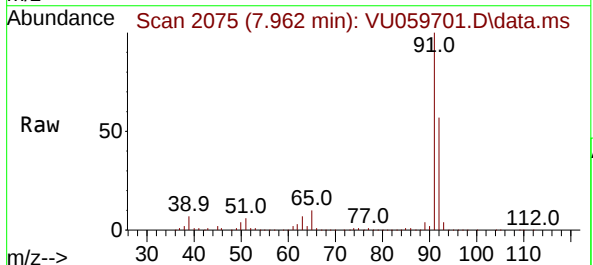
Instrument :
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ClientSampleId :
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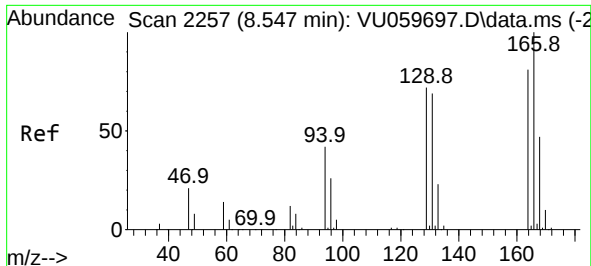
Tgt Ion: 83 Resp: 297379
Ion Ratio Lower Upper
83 100
55 77.9 62.7 94.1
98 45.7 35.4 53.0



#42
Toluene
Concen: 53.833 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 91 Resp: 3641526
Ion Ratio Lower Upper
91 100
92 57.0 39.7 73.7

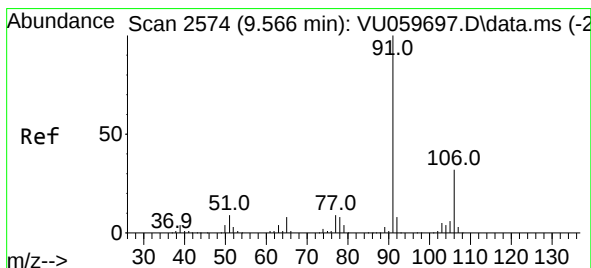
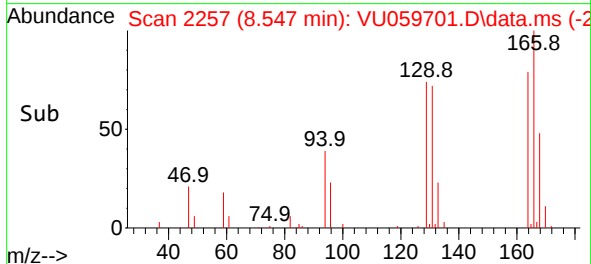
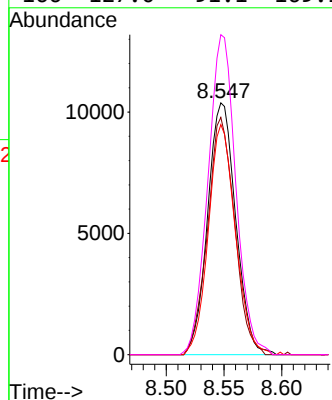
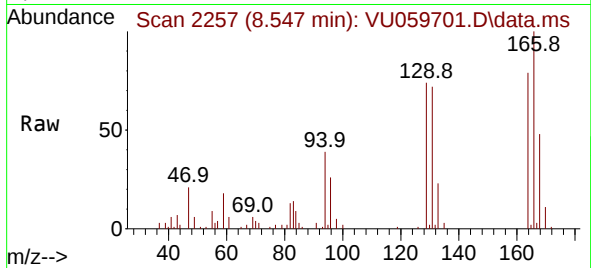




#47
Tetrachloroethene
Concen: 1.308 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

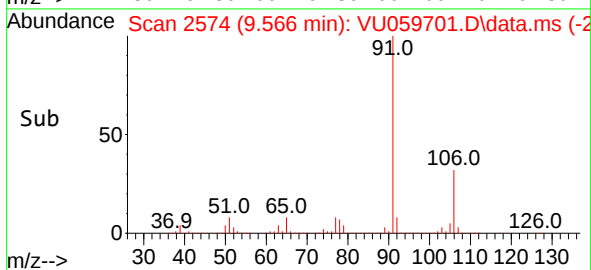
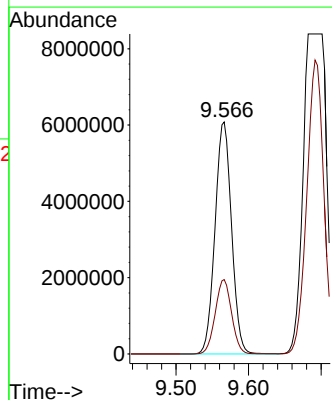
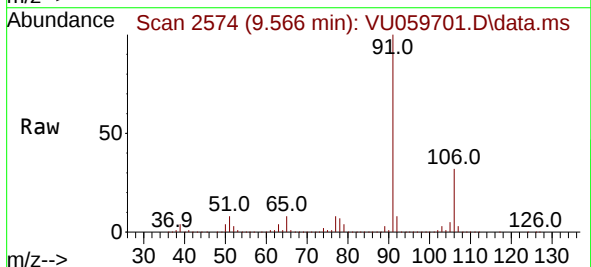
Instrument :
MSVOA_U
ClientSampleId :
C0BG8

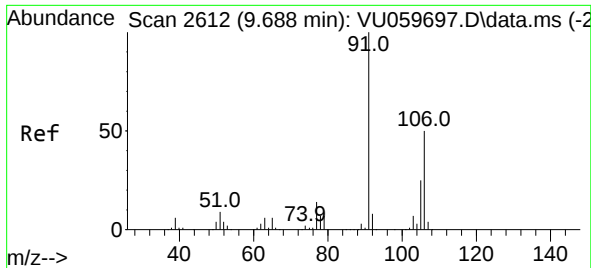
Tgt Ion:164 Resp: 17561
Ion Ratio Lower Upper
164 100
129 94.2 70.8 131.4
131 91.3 64.8 120.3
166 127.0 91.1 169.1



#52
Ethylbenzene
Concen: 138.595 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion: 91 Resp: 9617234
Ion Ratio Lower Upper
91 100
106 32.1 20.9 38.7

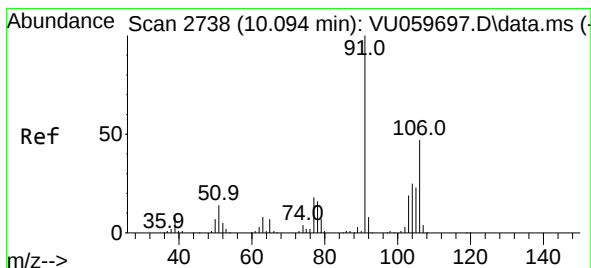
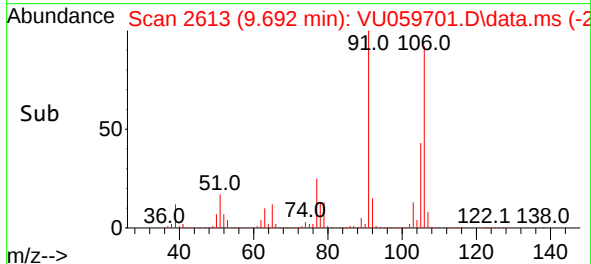
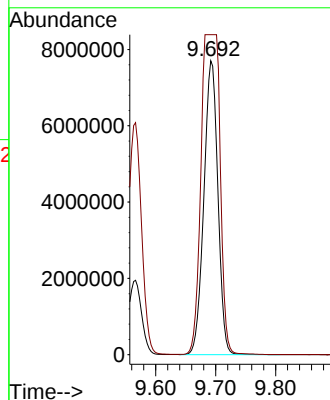
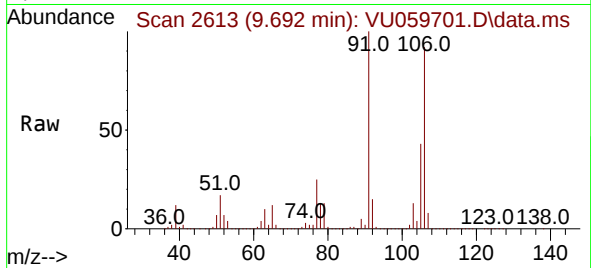




#53
m,p-Xylene
Concen: 470.317 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

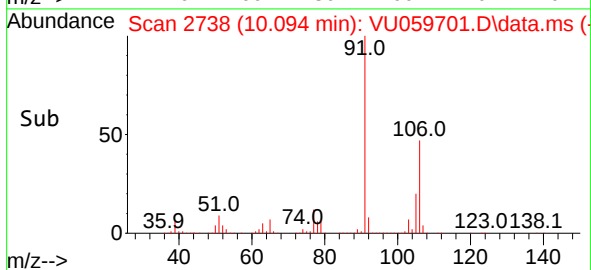
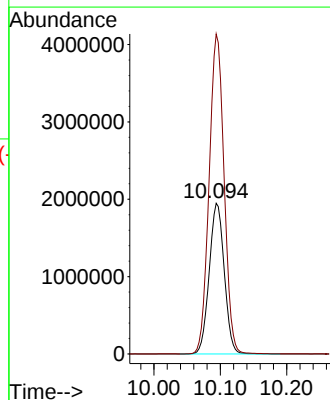
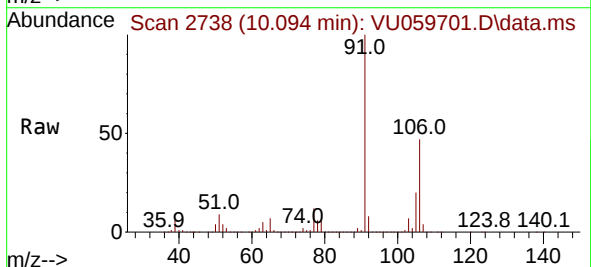
Instrument :
MSVOA_U
ClientSampleId :
C0BG8

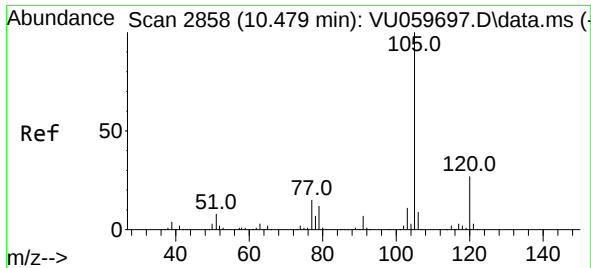
Tgt Ion:106 Resp:12534157
Ion Ratio Lower Upper
106 100
91 108.8 142.0 263.8#



#54
o-Xylene
Concen: 121.017 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion:106 Resp: 3060825
Ion Ratio Lower Upper
106 100
91 212.2 151.6 281.6

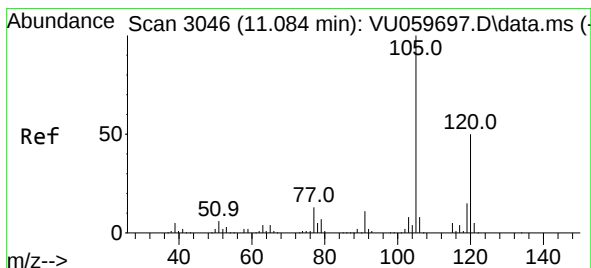
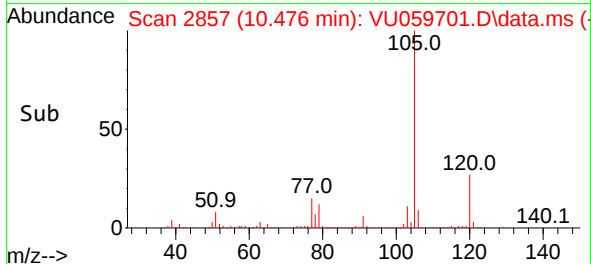
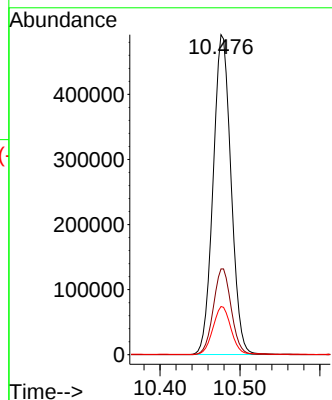
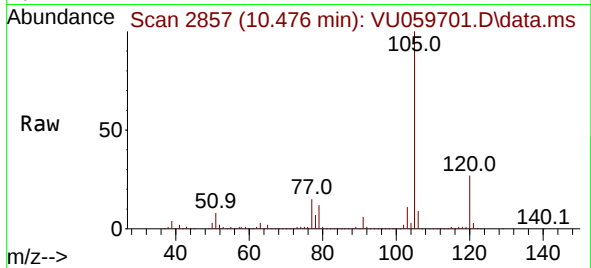




#60
Isopropylbenzene
Concen: 10.395 ug/L
RT: 10.476 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

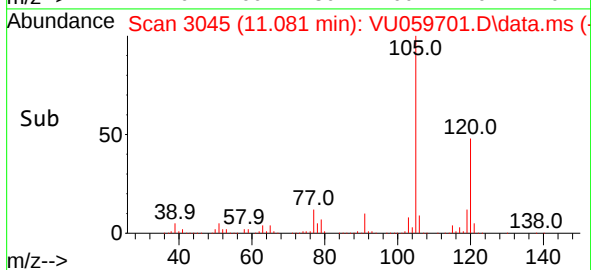
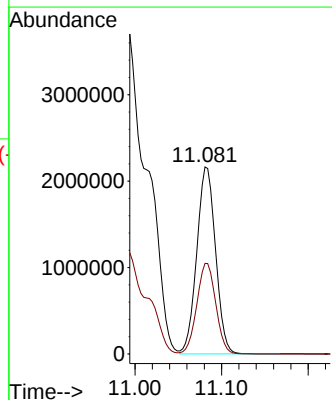
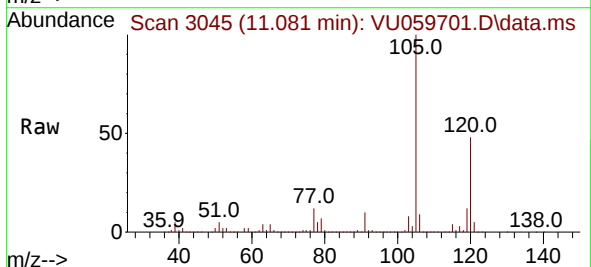
Instrument :
MSVOA_U
ClientSampleId :
C0BG8

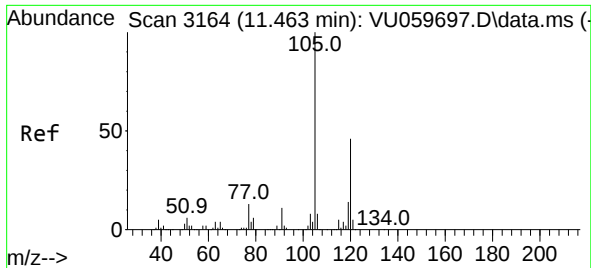
Tgt Ion:105 Resp: 763861
Ion Ratio Lower Upper
105 100
120 26.9 20.6 31.0
77 15.2 12.8 19.2



#62
1,3,5-Trimethylbenzene
Concen: 55.877 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059701.D
Acq: 01 Jul 2024 22:05

Tgt Ion:105 Resp: 3253078
Ion Ratio Lower Upper
105 100
120 48.9 38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 205.873 ug/L

RT: 11.463 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059701.D

Acq: 01 Jul 2024 22:05

Instrument :

MSVOA_U

ClientSampleId :

C0BG8

Tgt Ion:105 Resp:11458938

Ion Ratio Lower Upper

105 100

120 46.1 35.4 53.0

