

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059924.D
 Acq On : 12 Jul 2024 16:12
 Operator : MD/SY
 Sample : P3217-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 03:57:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	211425	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210156	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	108084	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	58462	3.977	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.908	69	50481	3.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.560	65	24293	3.983	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.641	46	122412	40.423	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.840%
24) Chloroform-d	5.055	84	109711	3.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.800%
26) 1,2-Dichloroethane-d4	5.695	65	54643	3.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
32) Benzene-d6	5.721	84	228195	3.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.682	67	68281	3.853	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.000%
41) Toluene-d8	7.891	98	206745	3.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.177	79	25430	4.582	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.627	63	119153	51.673	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	58316	3.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	82645	4.296	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	53828	2.527	ug/L	96
12) 1,1-Dichloroethene	2.573	96	19146	1.277	ug/L #	61
14) Carbon disulfide	2.785	76	5630	0.113	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	11139	0.345	ug/L	94
18) trans-1,2-Dichloroethene	3.345	96	203514	13.050	ug/L	89
19) 1,1-Dichloroethane	3.859	63	16421	0.571	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	4093259	238.133	ug/L	94
33) Benzene	5.766	78	74024	1.160	ug/L	100
34) Trichloroethene	6.534	95	1484181	85.874	ug/L	95
37) 1,2-Dichloropropane	6.685	63	7560	0.458	ug/L #	90
42) Toluene	7.965	91	16789	0.248	ug/L	91
47) Tetrachloroethene	8.547	164	312400	23.294	ug/L	94
49) Dibromochloromethane	8.547	129	279167	20.707	ug/L #	12
51) Chlorobenzene	9.441	112	8890120	207.459	ug/L	96
53) m,p-Xylene	9.692	106	4188	0.157	ug/L	84
63) 1,2,4-Trimethylbenzene	11.463	105	5348	0.106	ug/L	94
64) 1,3-Dichlorobenzene	11.743	146	6401	0.188	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	54992	1.573	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	205725	6.438	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 13 03:52:33 2024
Response via : Initial Calibration

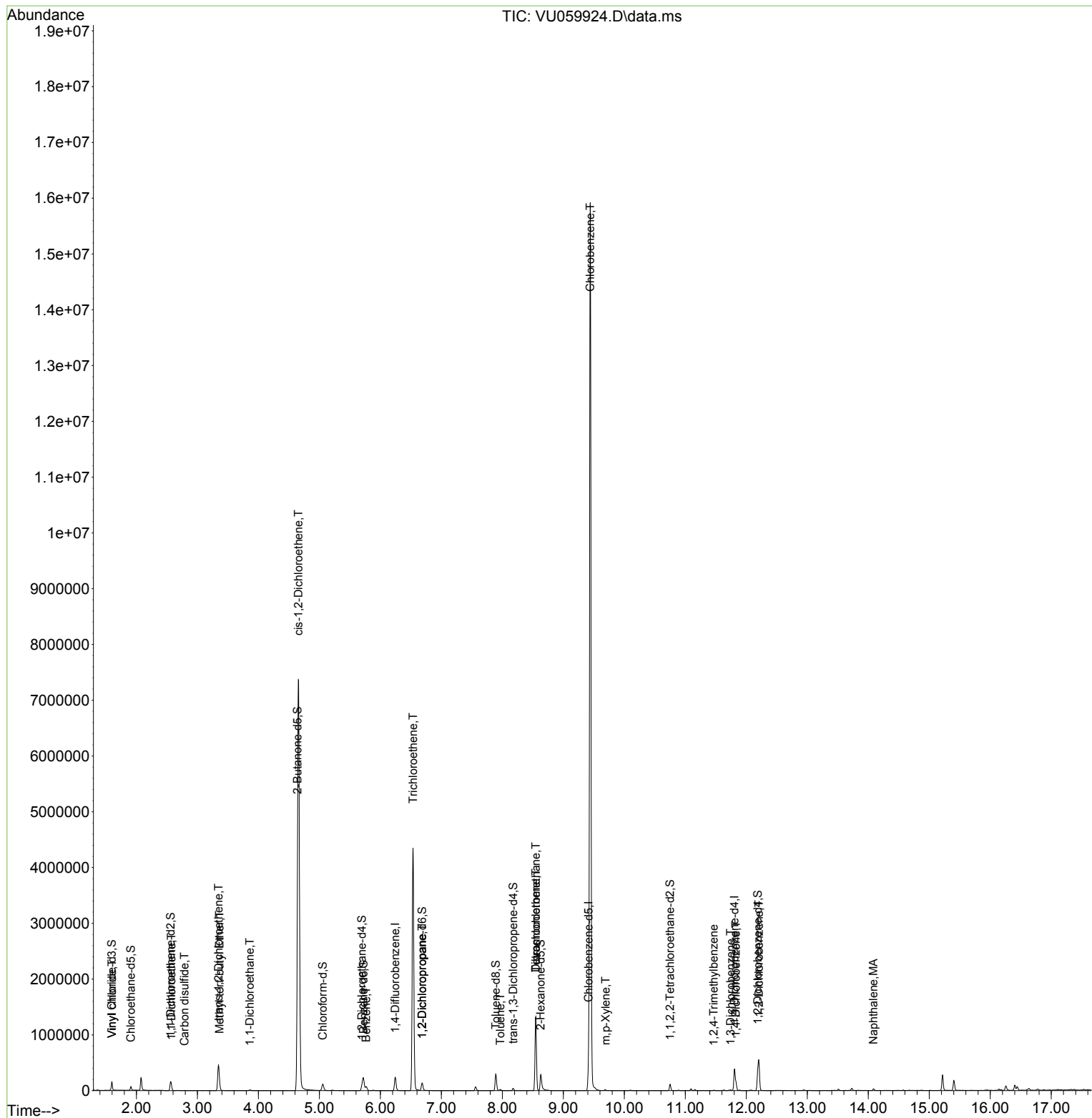
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.084	128	27193	0.985	ug/L	98

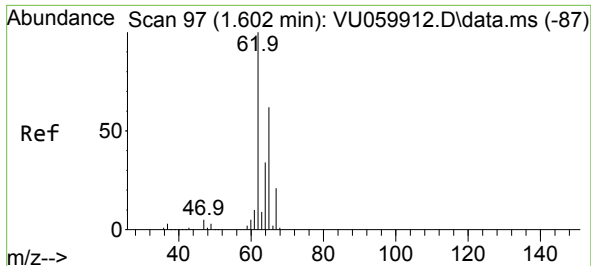
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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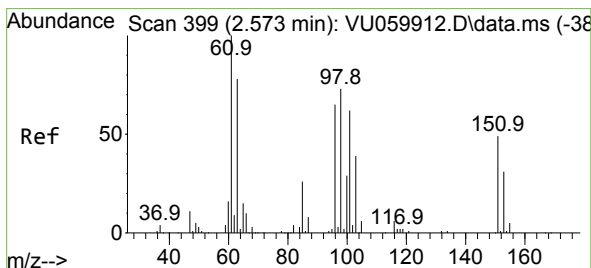
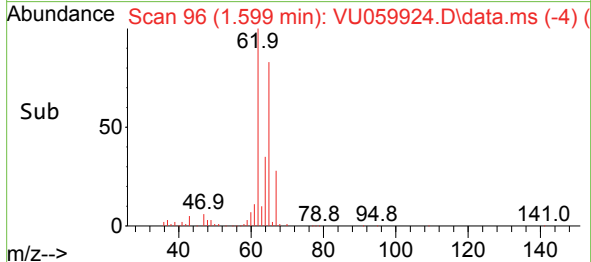
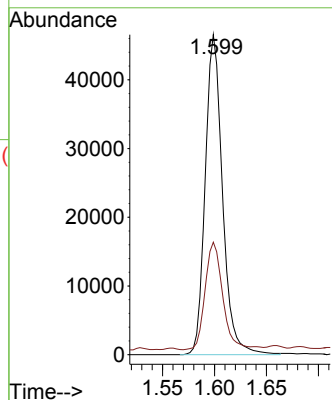
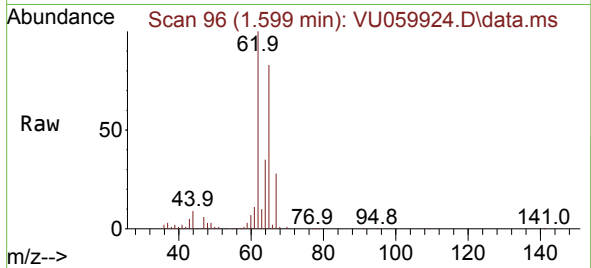




#5
 Vinyl chloride
 Concen: 2.527 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

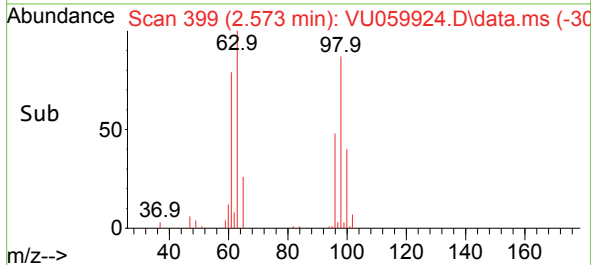
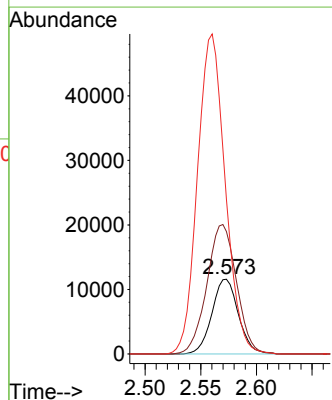
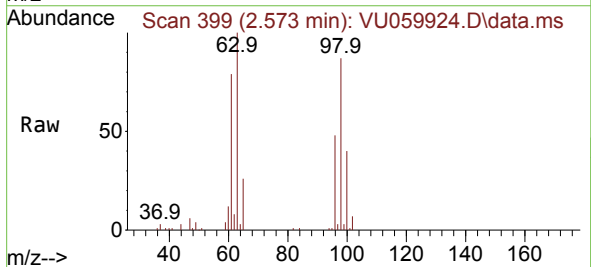
Instrument :
 MSVOA_U
 ClientSampleId :

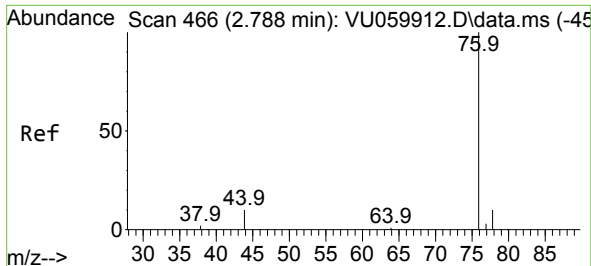
Tgt Ion: 62 Resp: 53828
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.1 42.9



#12
 1,1-Dichloroethene
 Concen: 1.277 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

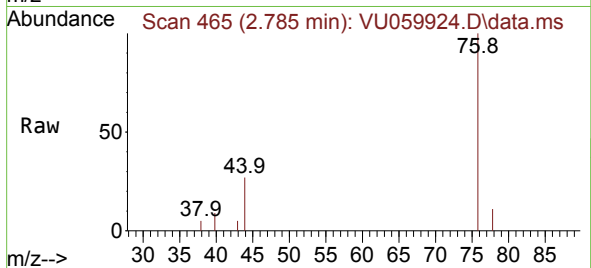
Tgt Ion: 96 Resp: 19146
 Ion Ratio Lower Upper
 96 100
 61 163.8 122.9 228.3
 63 206.8 80.4 149.4#



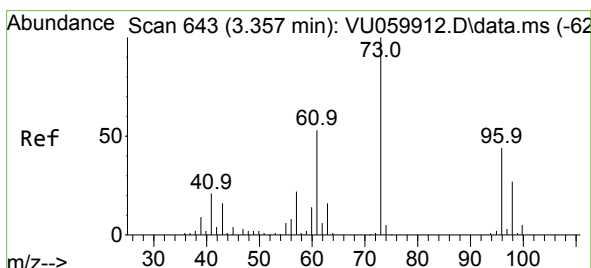
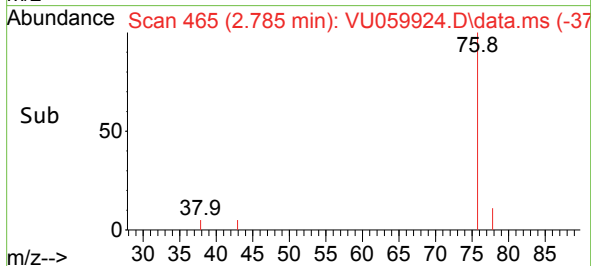
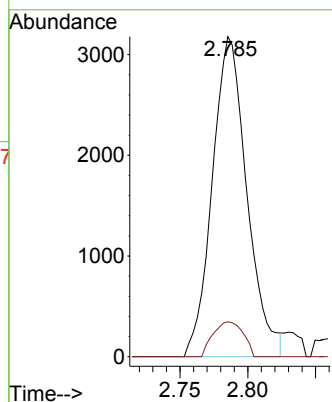


#14
Carbon disulfide
Concen: 0.113 ug/L
RT: 2.785 min Scan# 465
Delta R.T. -0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Instrument :
MSVOA_U
ClientSampleId :

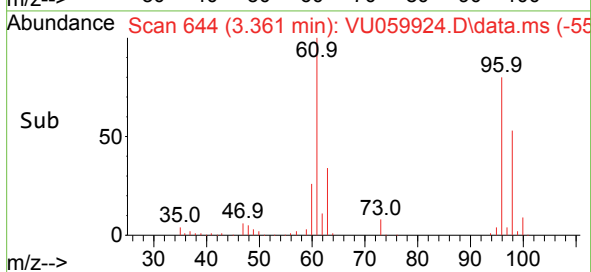
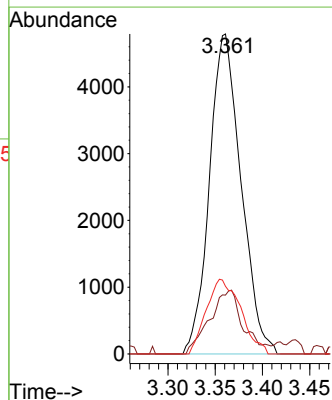
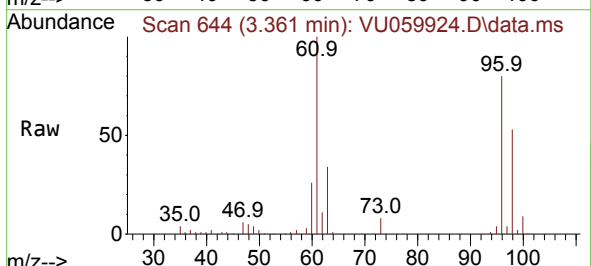


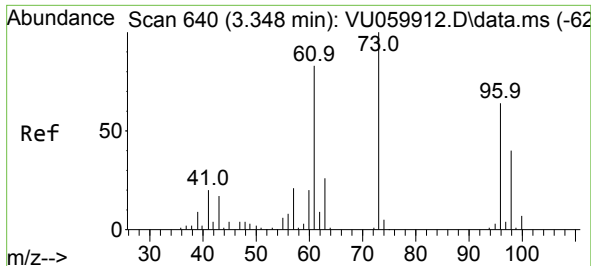
Tgt Ion: 76 Resp: 5630
Ion Ratio Lower Upper
76 100
78 10.9 7.3 10.9



#17
Methyl tert-butyl Ether
Concen: 0.345 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

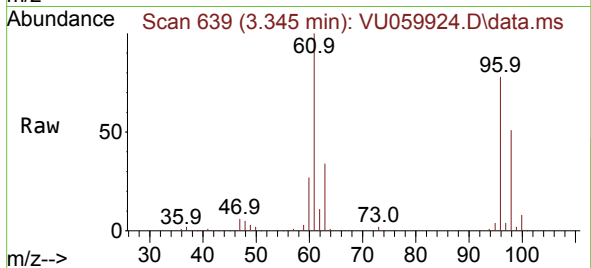
Tgt Ion: 73 Resp: 11139
Ion Ratio Lower Upper
73 100
43 21.4 14.9 22.3
57 25.5 18.0 27.0





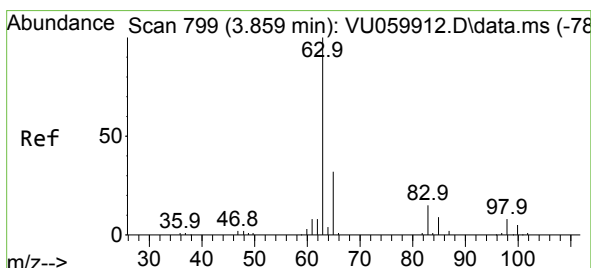
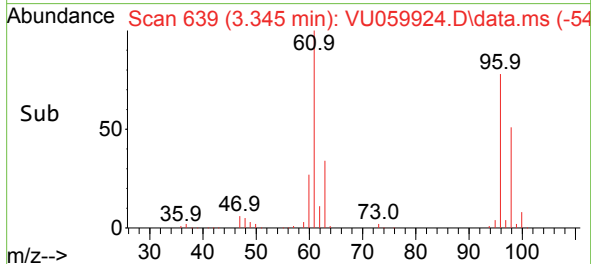
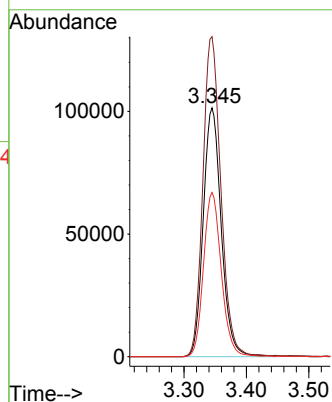
#18
trans-1,2-Dichloroethene
Concen: 13.050 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 96 Resp: 203514

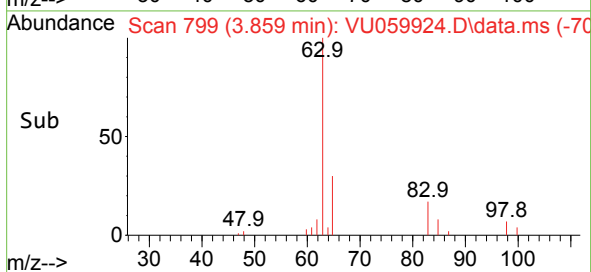
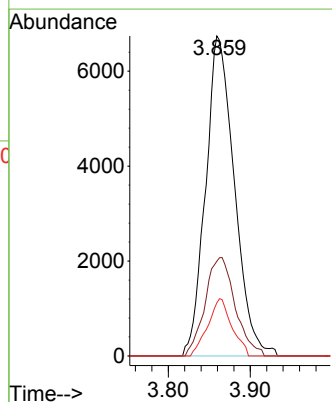
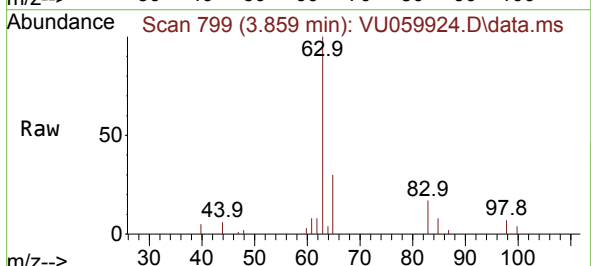
Ion	Ratio	Lower	Upper
96	100		
61	128.6	101.8	189.0
98	66.0	43.3	80.5

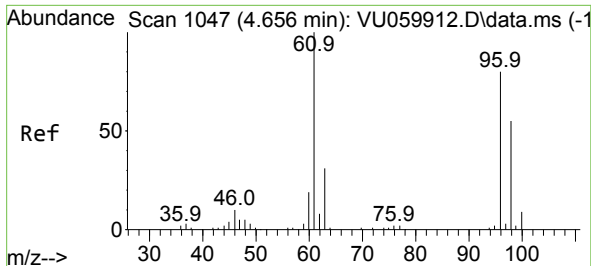


#19
1,1-Dichloroethane
Concen: 0.571 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 63 Resp: 16421

Ion	Ratio	Lower	Upper
63	100		
65	29.6	21.8	40.6
83	16.6	9.9	18.5





#22

cis-1,2-Dichloroethene

Concen: 238.133 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

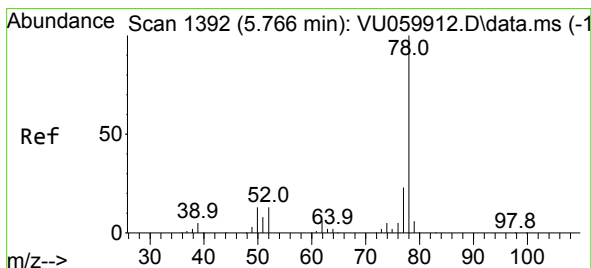
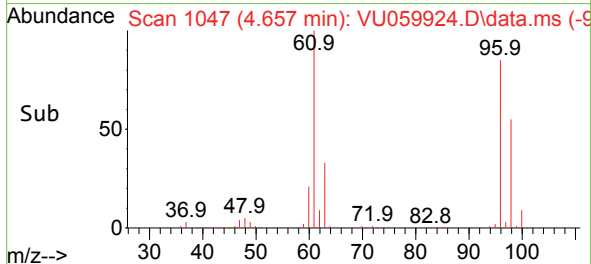
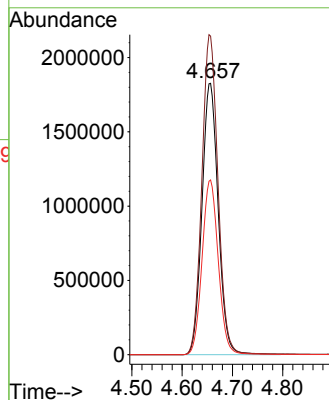
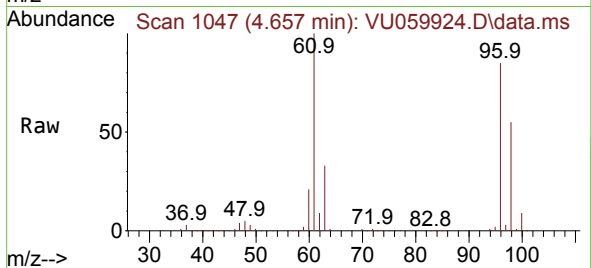
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 4093259

Ion	Ratio	Lower	Upper
96	100		
61	117.4	87.4	162.2
98	64.4	42.3	78.5



#33

Benzene

Concen: 1.160 ug/L

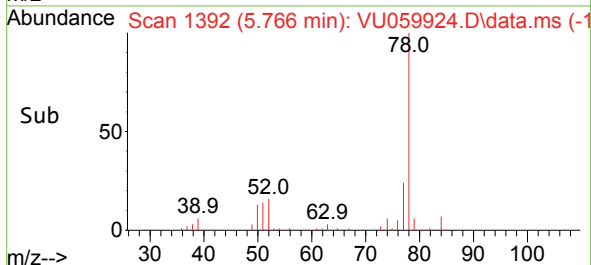
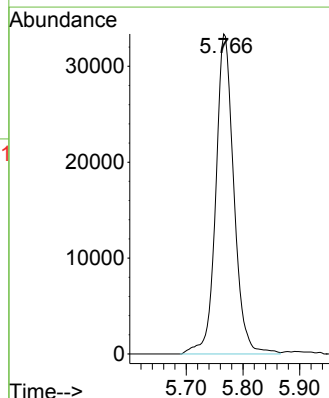
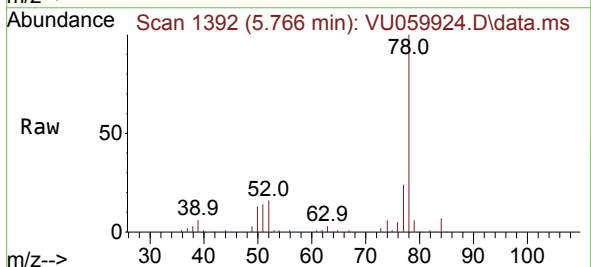
RT: 5.766 min Scan# 1392

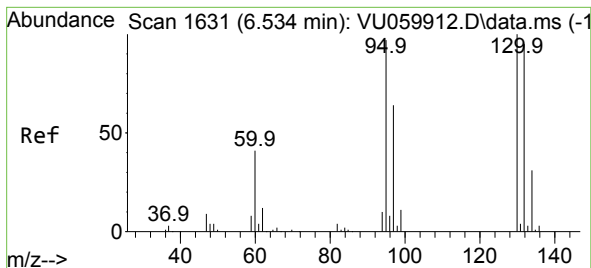
Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Tgt Ion: 78 Resp: 74024





#34

Trichloroethene

Concen: 85.874 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 1484181

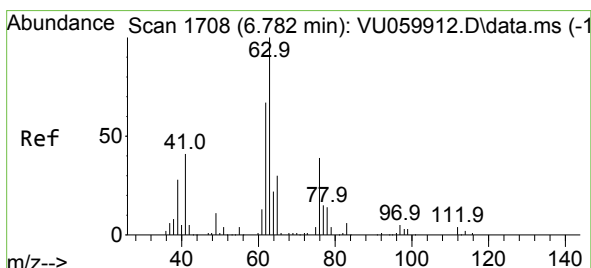
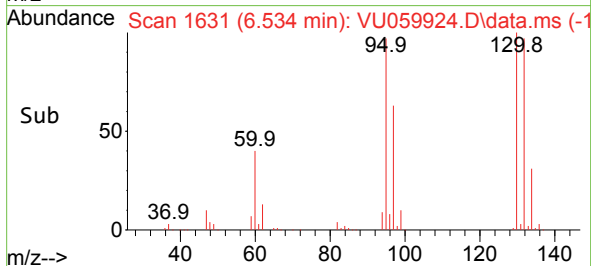
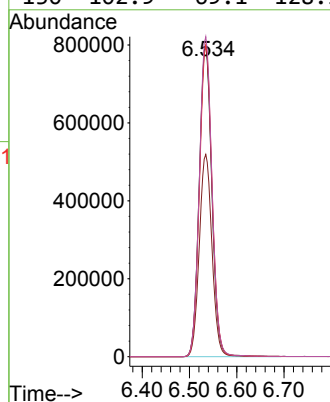
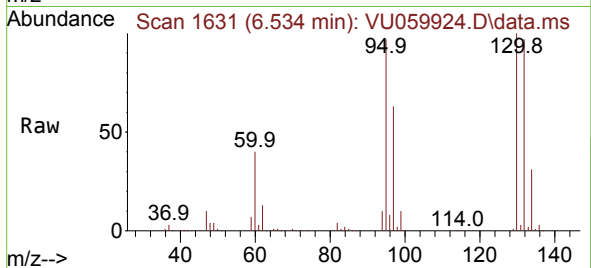
Ion Ratio Lower Upper

95 100

97 65.0 45.3 84.1

132 100.2 64.0 119.0

130 102.9 69.1 128.3



#37

1,2-Dichloropropane

Concen: 0.458 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.096 min

Lab File: VU059924.D

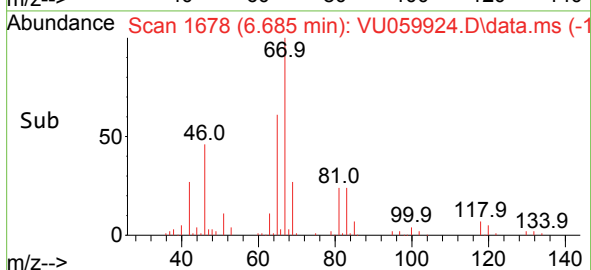
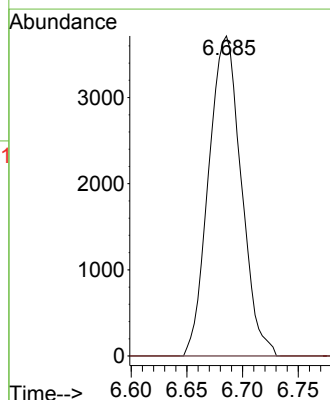
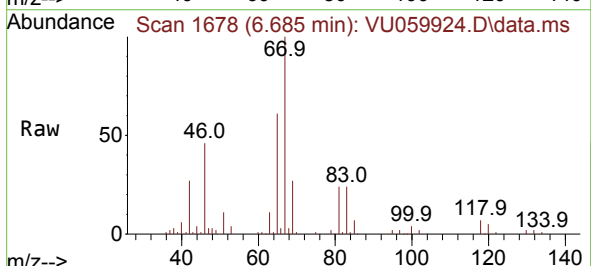
Acq: 12 Jul 2024 16:12

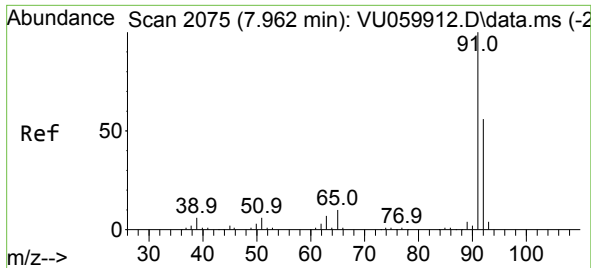
Tgt Ion: 63 Resp: 7560

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#





#42

Toluene

Concen: 0.248 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_U

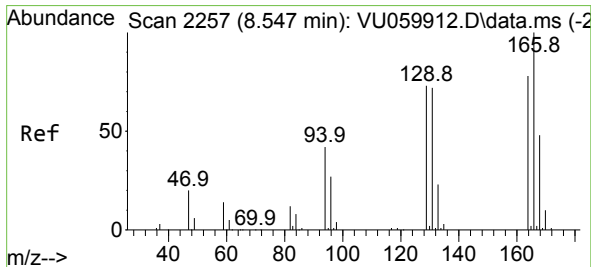
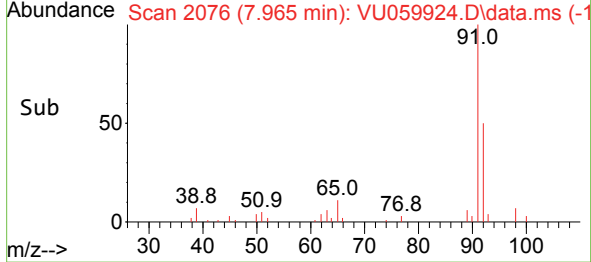
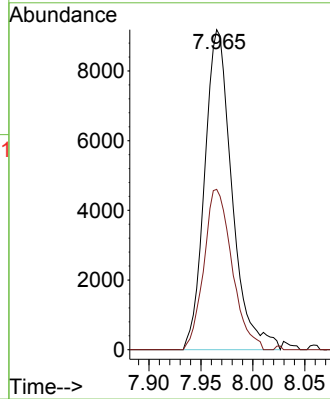
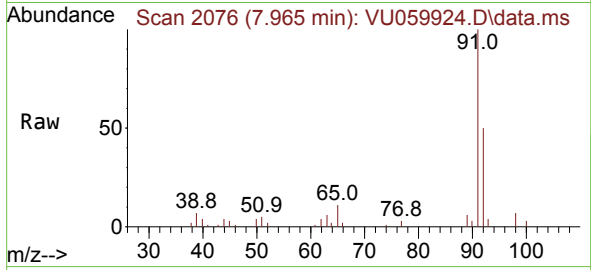
ClientSampleId :

Tgt Ion: 91 Resp: 16789

Ion Ratio Lower Upper

91 100

92 50.1 39.7 73.7



#47

Tetrachloroethene

Concen: 23.294 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Tgt Ion: 164 Resp: 312400

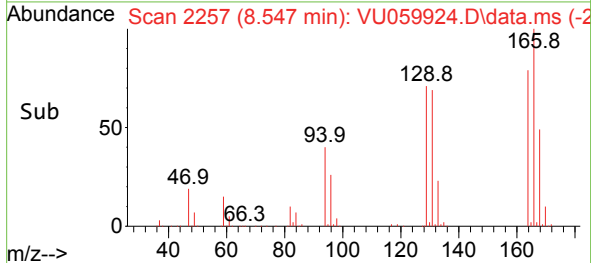
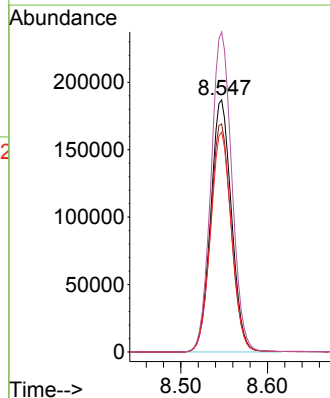
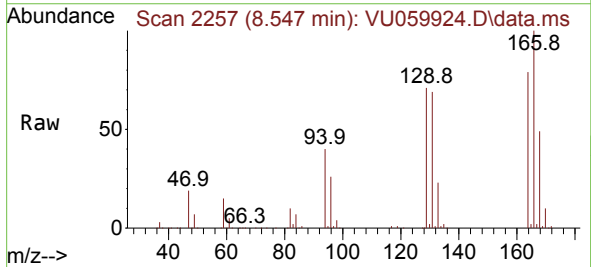
Ion Ratio Lower Upper

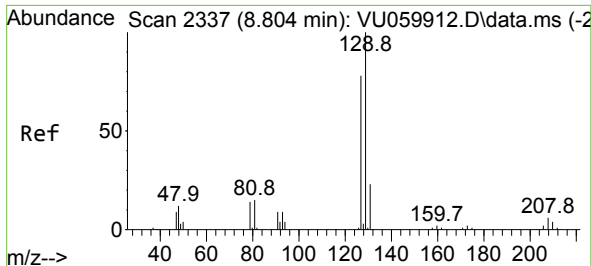
164 100

129 90.5 70.8 131.4

131 87.3 64.8 120.3

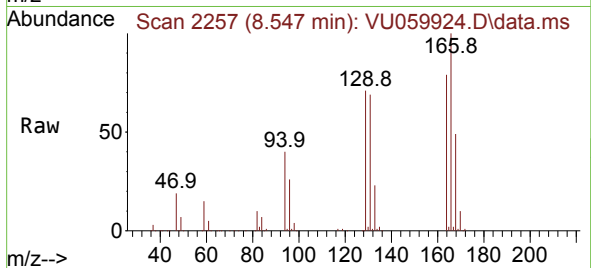
166 127.0 91.1 169.1



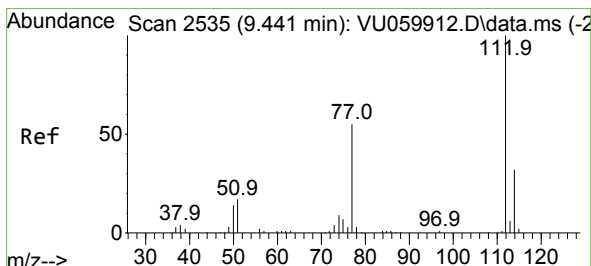
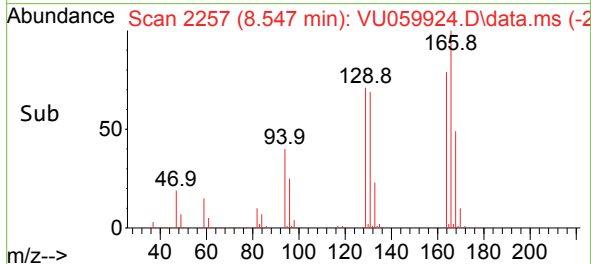
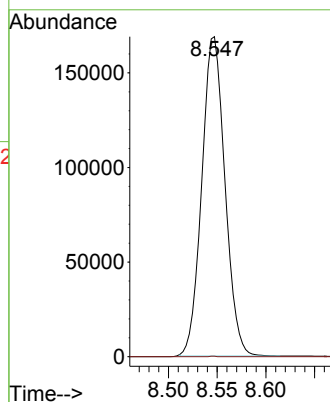


#49
Dibromochloromethane
Concen: 20.707 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Instrument :
MSVOA_U
ClientSampleId :

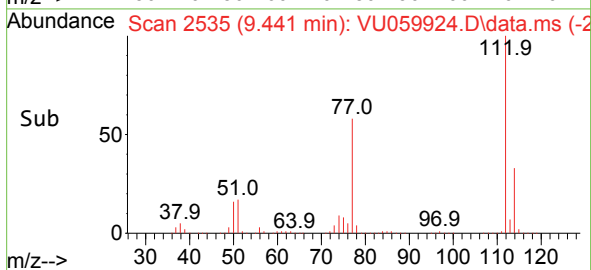
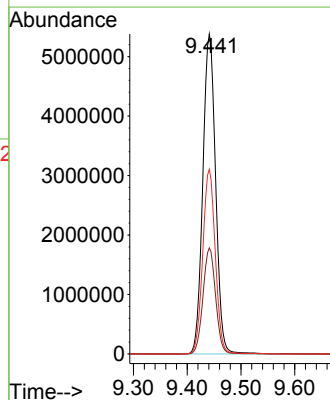
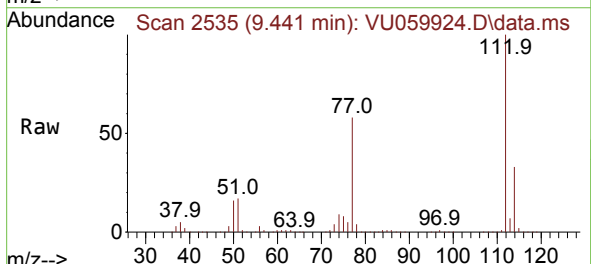


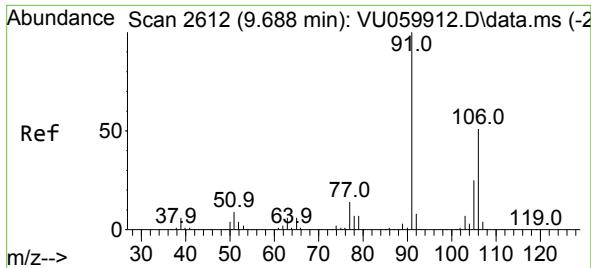
Tgt Ion:129 Resp: 279167
Ion Ratio Lower Upper
129 100
127 0.1 52.5 97.5#



#51
Chlorobenzene
Concen: 207.459 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

Tgt Ion:112 Resp: 8890120
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 57.7 49.1 73.7

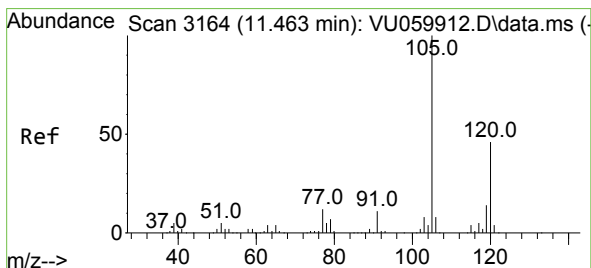
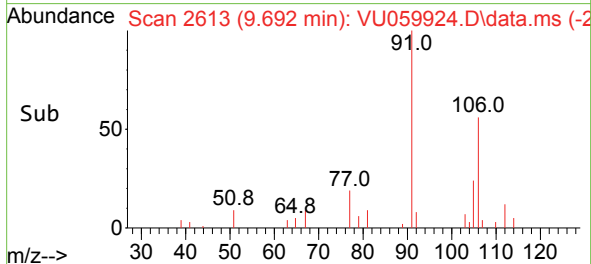
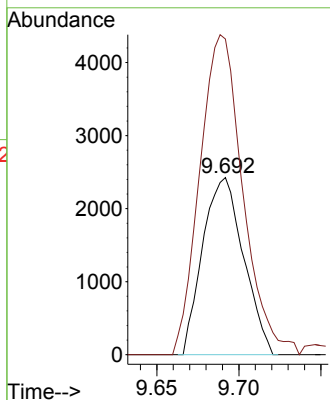
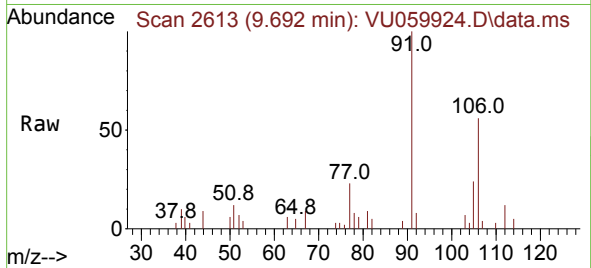




#53
 m,p-Xylene
 Concen: 0.157 ug/L
 RT: 9.692 min Scan# 2613
 Delta R.T. 0.003 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

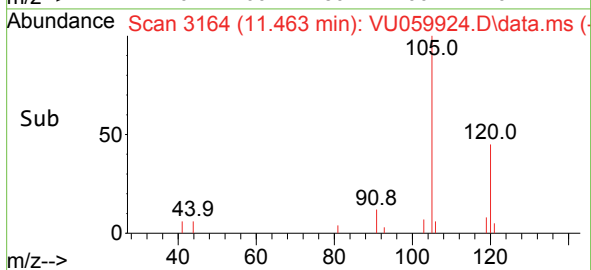
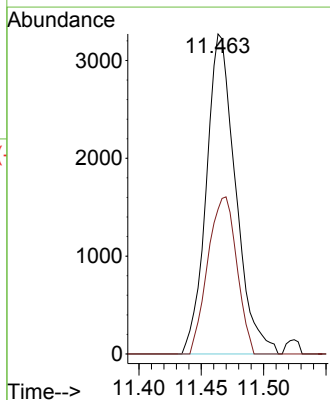
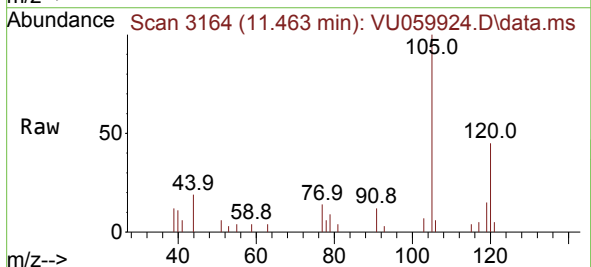
Instrument :
 MSVOA_U
 ClientSampleId :

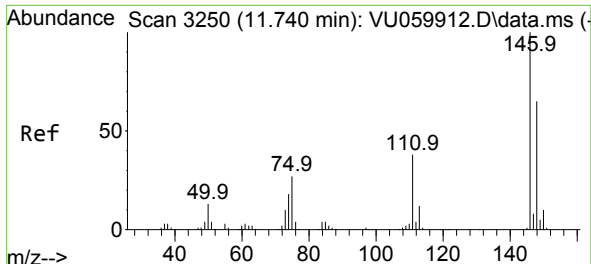
Tgt Ion:106 Resp: 4188
 Ion Ratio Lower Upper
 106 100
 91 178.3 142.0 263.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.106 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU059924.D
 Acq: 12 Jul 2024 16:12

Tgt Ion:105 Resp: 5348
 Ion Ratio Lower Upper
 105 100
 120 48.4 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 0.188 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.003 min

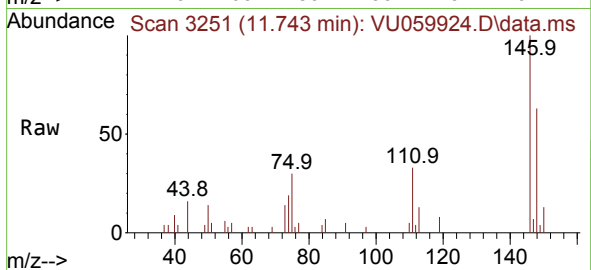
Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_U

ClientSampleId :



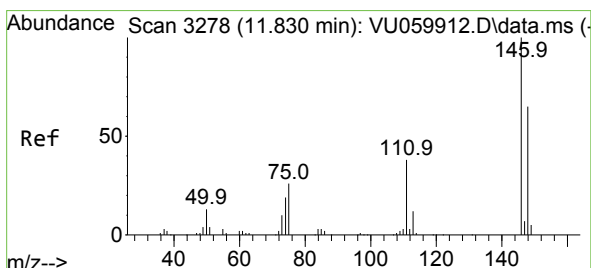
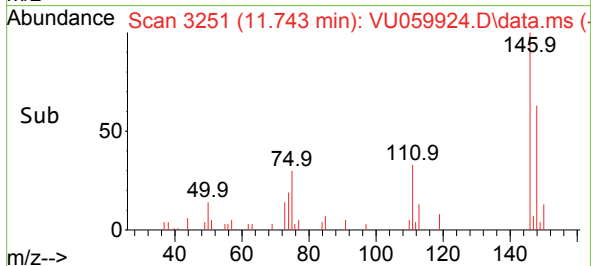
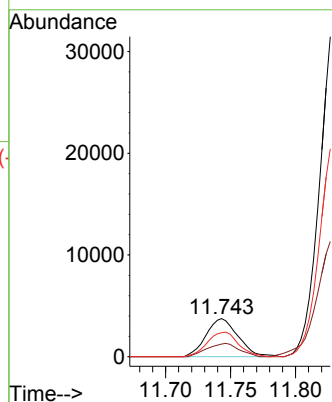
Tgt Ion:146 Resp: 6401

Ion Ratio Lower Upper

146 100

111 33.4 27.4 51.0

148 63.3 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 1.573 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059924.D

Acq: 12 Jul 2024 16:12

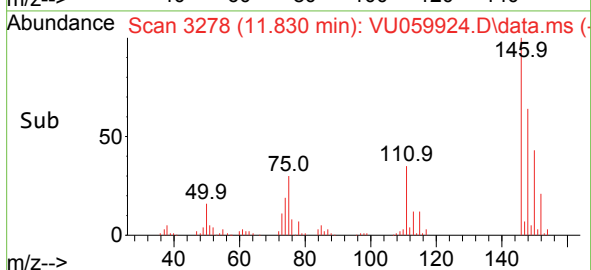
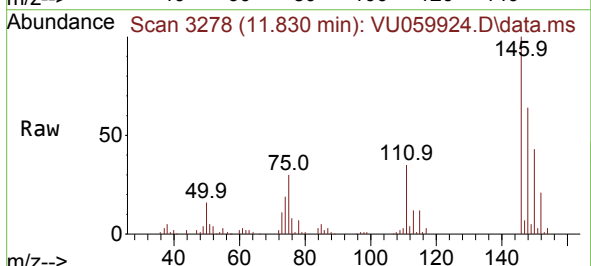
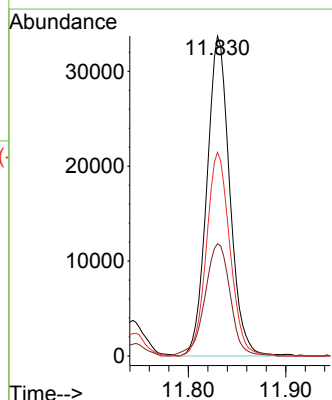
Tgt Ion:146 Resp: 54992

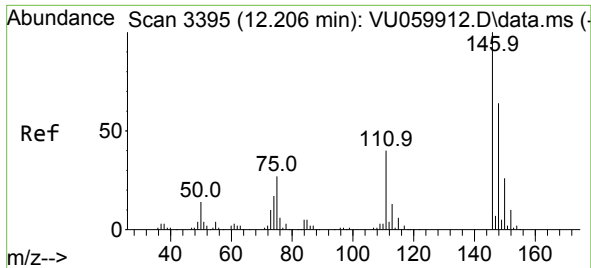
Ion Ratio Lower Upper

146 100

111 35.0 26.9 50.1

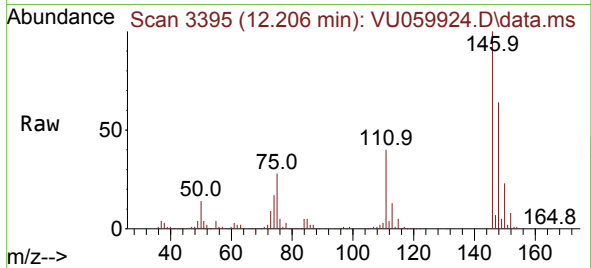
148 63.6 45.3 84.1



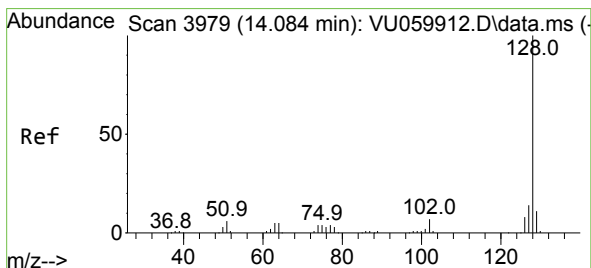
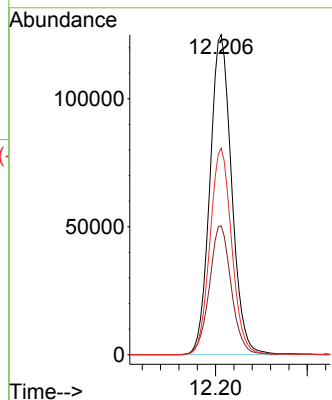
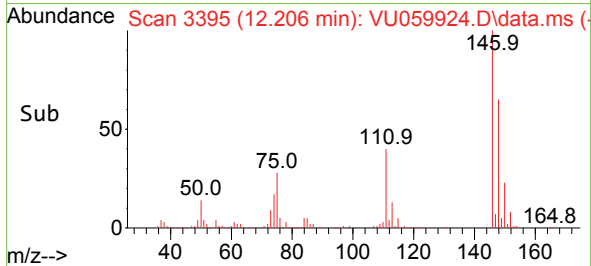


#67
1,2-Dichlorobenzene
Concen: 6.438 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12

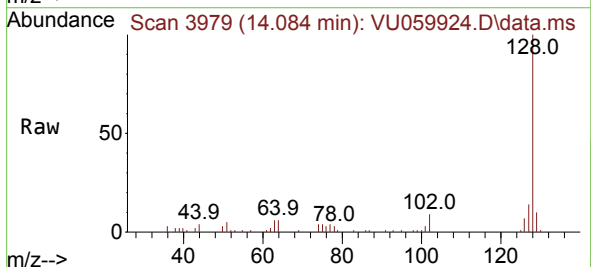
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 205725
Ion Ratio Lower Upper
146 100
111 40.3 33.4 50.0
148 64.5 49.7 74.5



#71
Naphthalene
Concen: 0.985 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU059924.D
Acq: 12 Jul 2024 16:12



Tgt Ion:128 Resp: 27193
Ion Ratio Lower Upper
128 100
129 10.2 8.2 12.4
127 14.0 10.2 15.4

