

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078537.D
 Acq On : 23 Feb 2024 15:46
 Operator : RP/MD
 Sample : P1538-12RE
 Misc : 5.02G/6ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Quant Time: Feb 24 00:24:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

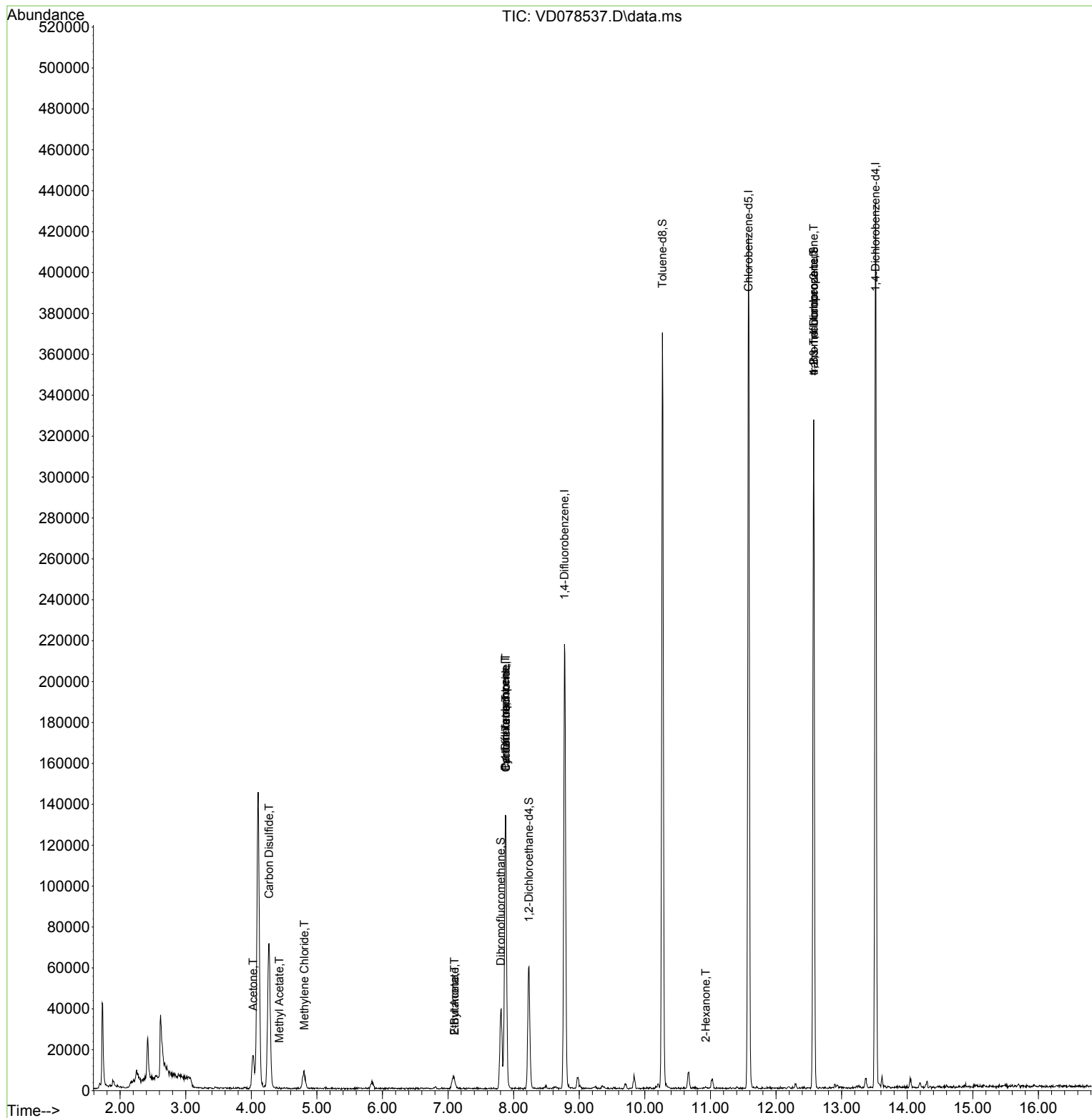
Internal Standards						
1) Pentafluorobenzene	7.875	168	105146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	245706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	44865	39.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.920%		
35) Dibromofluoromethane	7.804	113	30079	23.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.220%#		
50) Toluene-d8	10.269	98	258708	50.774	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.540%		
62) 4-Bromofluorobenzene	12.575	95	96540	65.108	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	130.220%		
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	28098	113.443	ug/l	95
17) Carbon Disulfide	4.269	76	150627	39.053	ug/l	97
18) Methyl Acetate	4.428	43	62	4.010	ug/l #	42
20) Methylene Chloride	4.810	84	6596	2.166	ug/l	86
25) 2-Butanone	7.099	43	6341	6.738	ug/l #	84
31) Cyclohexane	7.881	56	2349	1.221	ug/l #	30
36) 1,1-Dichloropropene	7.875	75	8468	4.280	ug/l #	46
37) Ethyl Acetate	7.099	43	6341	9.142	ug/l #	62
38) Carbon Tetrachloride	7.881	117	10061	5.134	ug/l #	16
59) 2-Hexanone	10.928	43	598	1.167	ug/l #	40
76) 1,2,3-Trichloropropane	12.575	75	50256	50.074	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50256	103.955	ug/l #	17

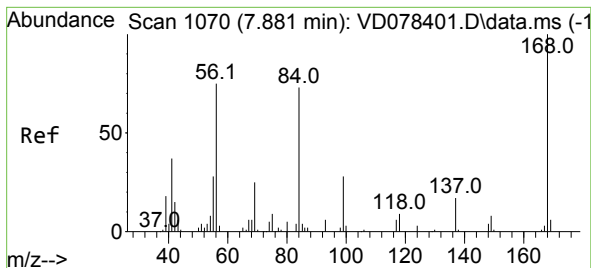
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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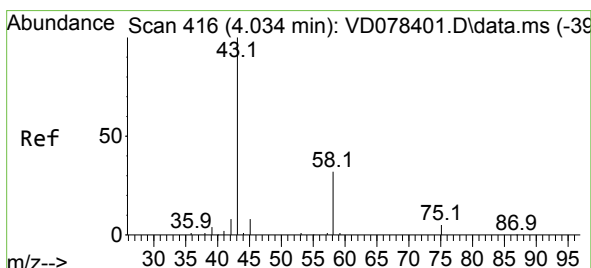
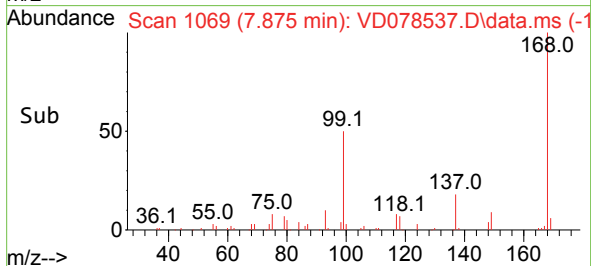
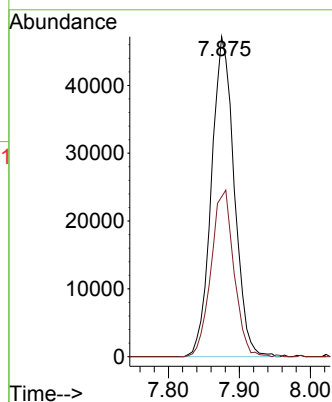
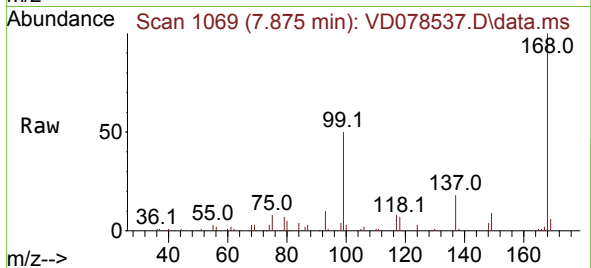




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

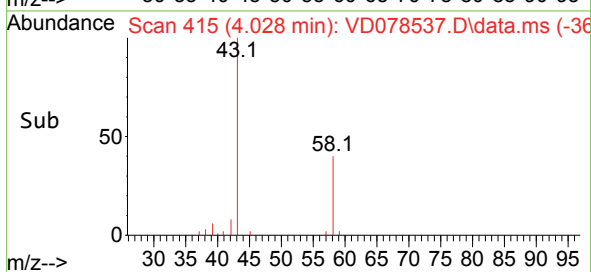
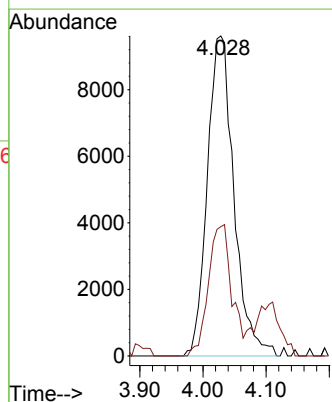
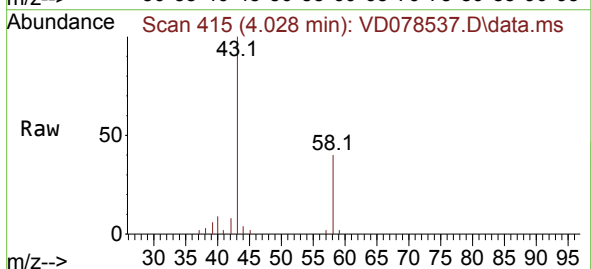
Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

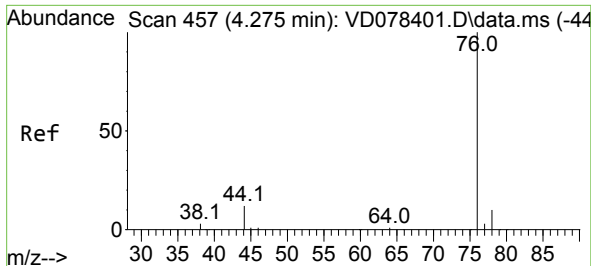
Tgt Ion:168 Resp: 105146
Ion Ratio Lower Upper
168 100
99 49.9 36.7 55.1



#16
Acetone
Concen: 113.443 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 43 Resp: 28098
Ion Ratio Lower Upper
43 100
58 40.4 34.7 52.1

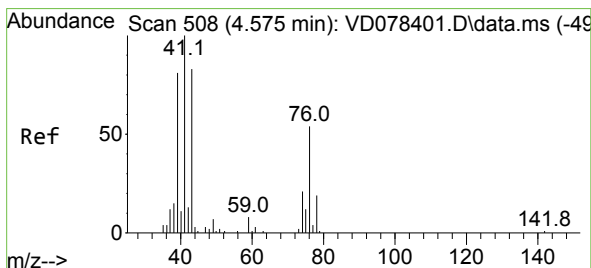
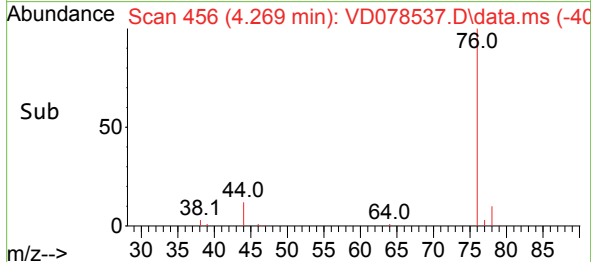
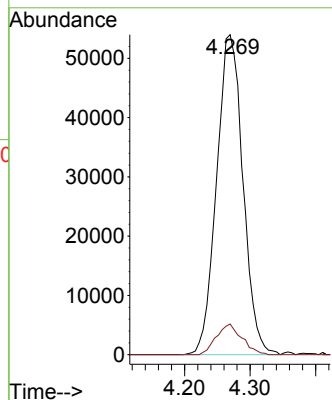
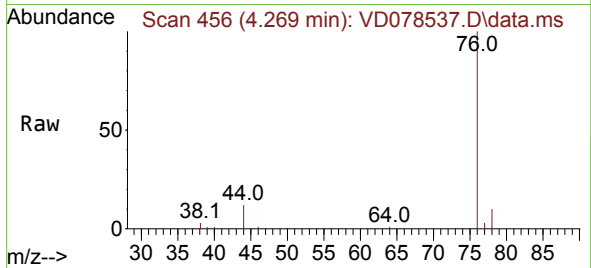




#17
Carbon Disulfide
Concen: 39.053 ug/l
RT: 4.269 min Scan# 411
Delta R.T. -0.006 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

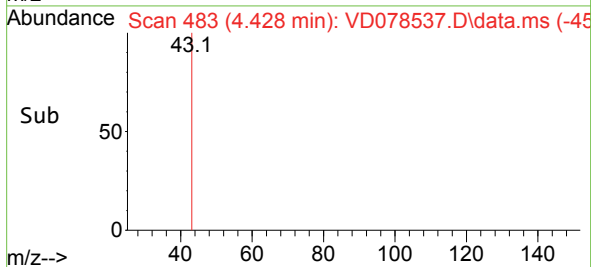
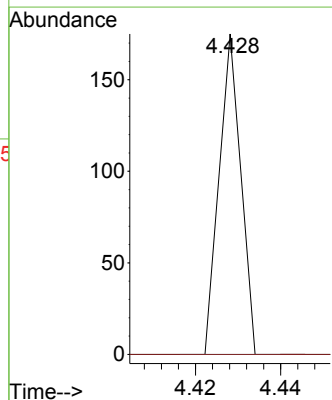
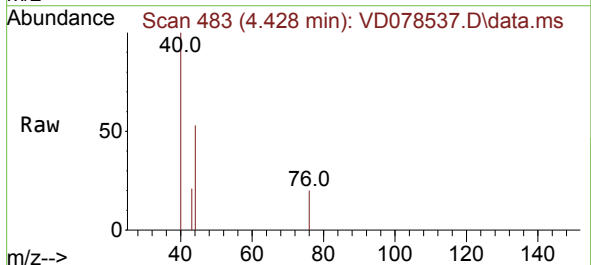
Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

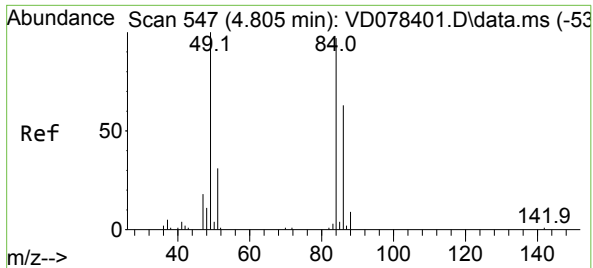
Tgt Ion: 76 Resp: 150627
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 4.010 ug/l
RT: 4.428 min Scan# 483
Delta R.T. -0.147 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

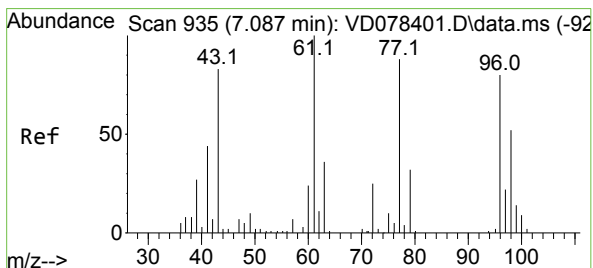
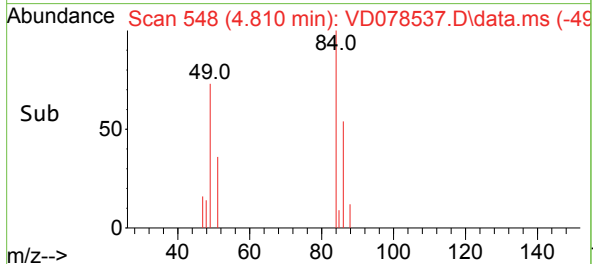
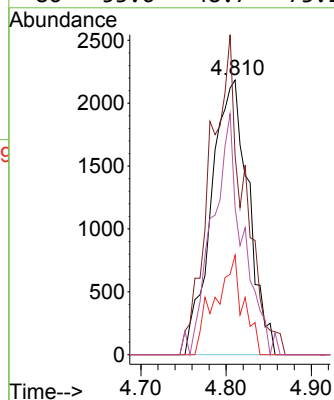
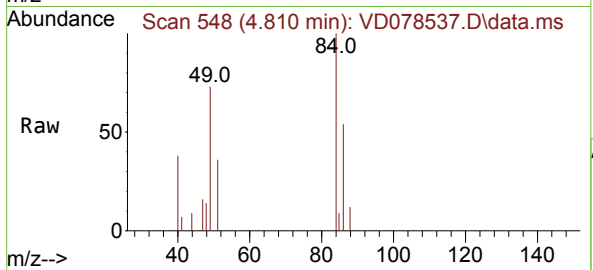




#20
Methylene Chloride
Concen: 2.166 ug/l
RT: 4.810 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

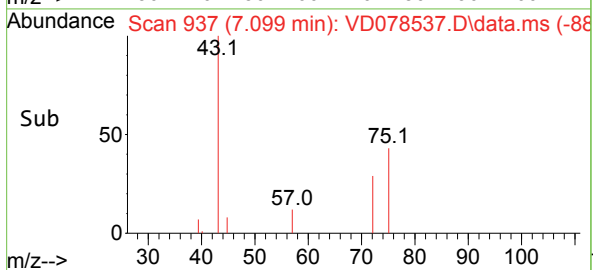
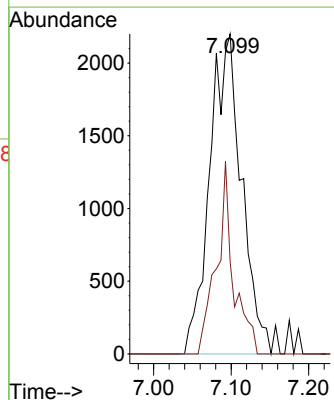
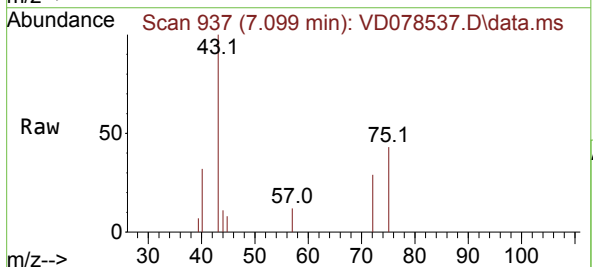
Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

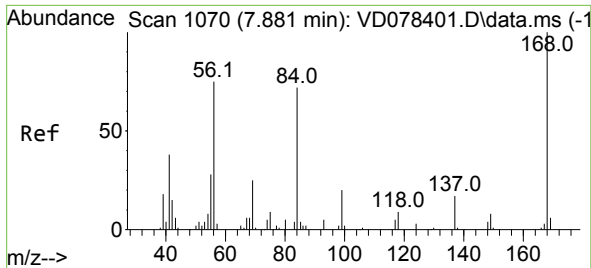
Tgt Ion: 84	Resp: 6596
Ion Ratio	Lower Upper
84 100	
49 72.6	71.4 107.2
51 36.3	24.5 36.7
86 53.6	48.7 73.1



#25
2-Butanone
Concen: 6.738 ug/l
RT: 7.099 min Scan# 937
Delta R.T. 0.012 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

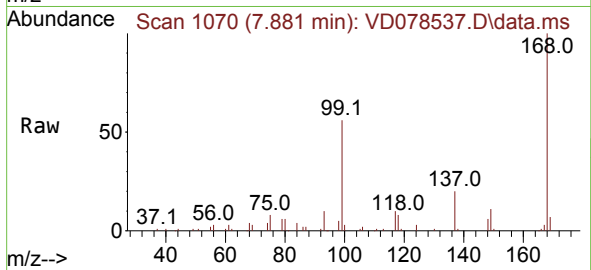
Tgt Ion: 43	Resp: 6341		
Ion Ratio	Lower	Upper	
43 100			
72 29.0	30.7	46.1#	



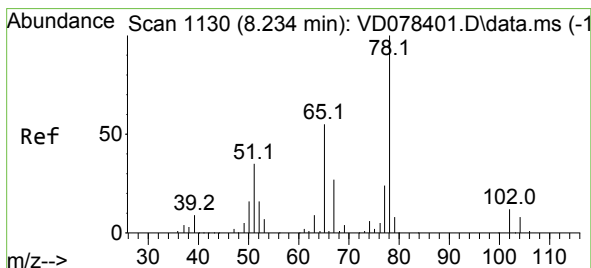
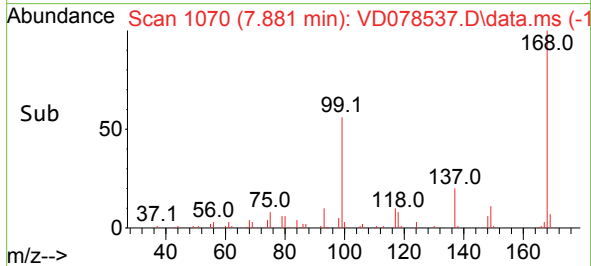
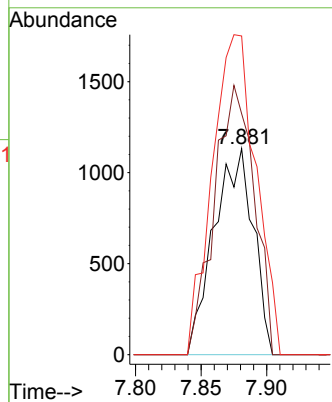


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

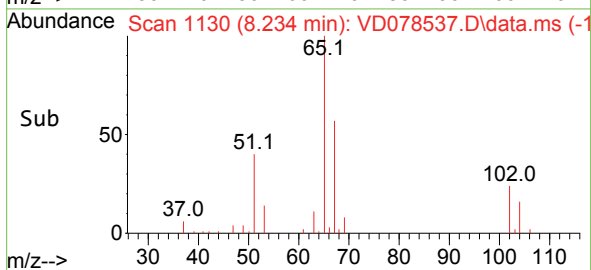
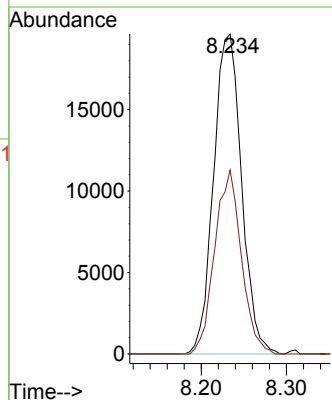
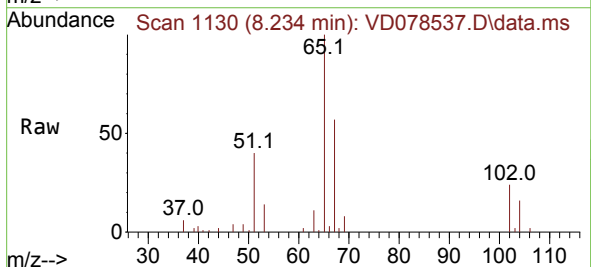


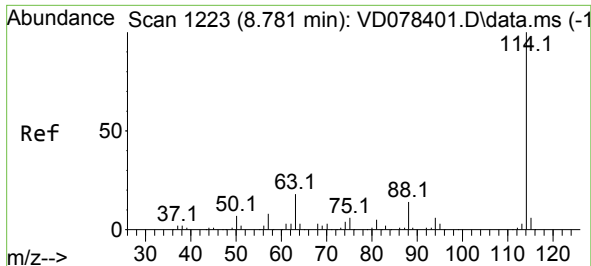
Tgt Ion: 56 Resp: 2349
Ion Ratio Lower Upper
56 100
69 117.0 28.6 43.0#
84 154.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.463 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 65 Resp: 44865
Ion Ratio Lower Upper
65 100
67 54.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078537.D

Acq: 23 Feb 2024 15:46

Instrument :

MSVOA_D

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE

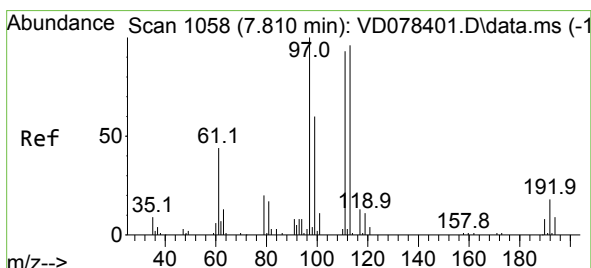
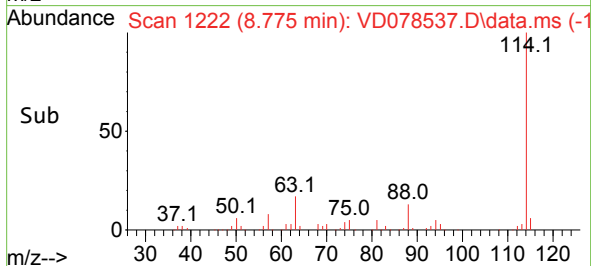
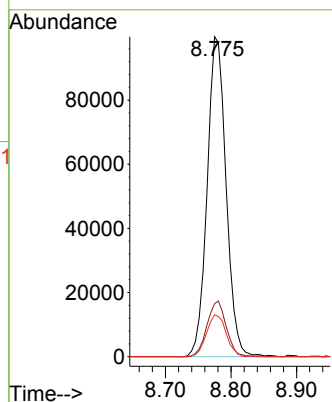
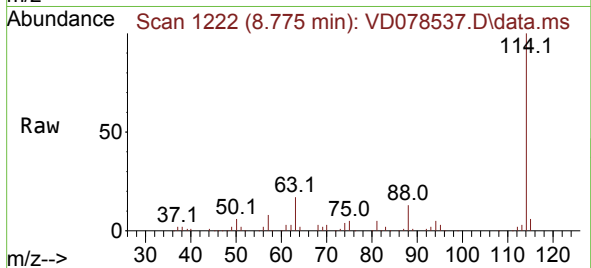
Tgt Ion:114 Resp: 200520

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 23.615 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078537.D

Acq: 23 Feb 2024 15:46

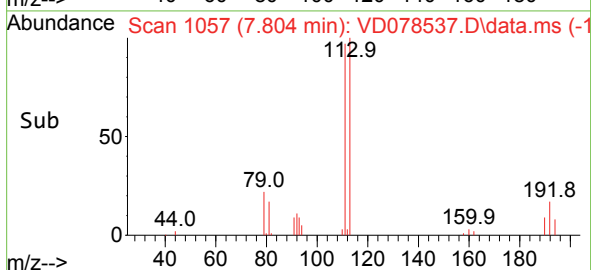
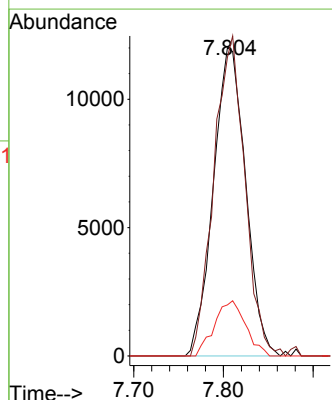
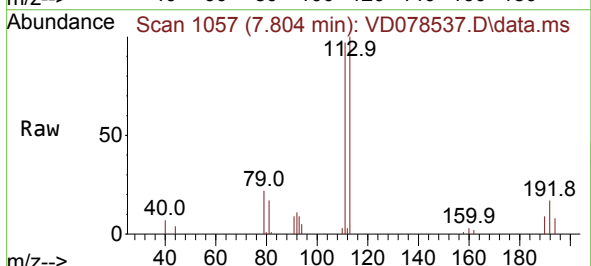
Tgt Ion:113 Resp: 30079

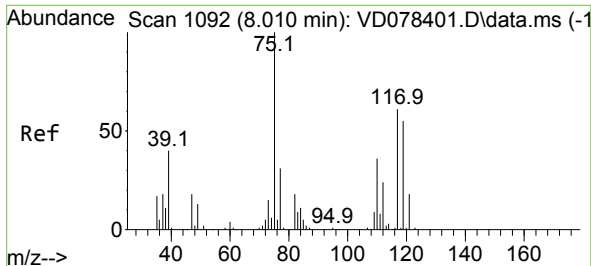
Ion Ratio Lower Upper

113 100

111 99.1 84.7 127.1

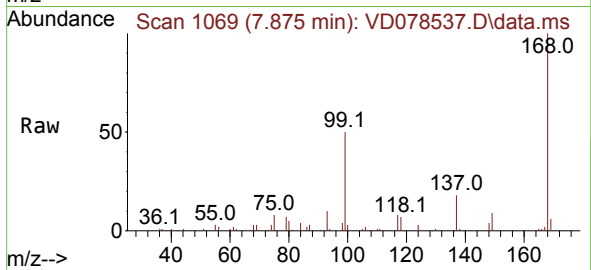
192 17.3 16.8 25.2



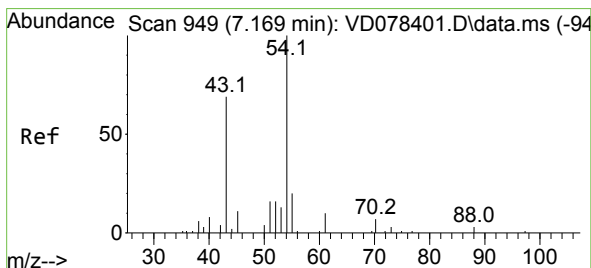
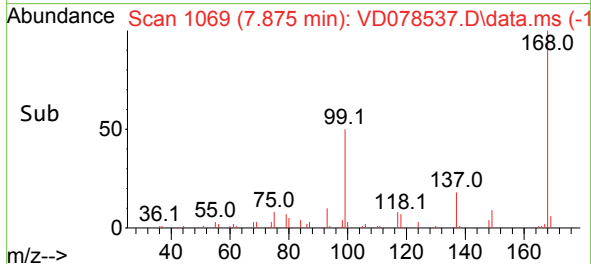
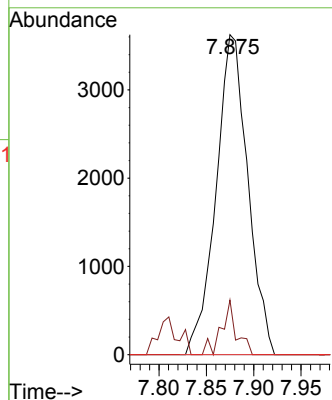


#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 7.875 min Scan# 1092
Delta R.T. -0.135 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

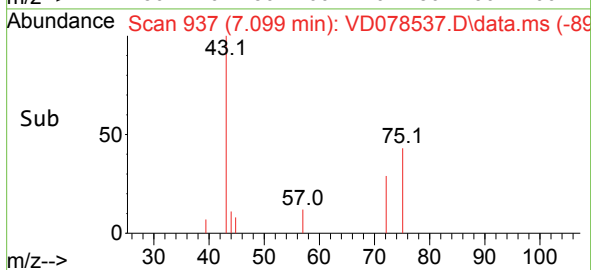
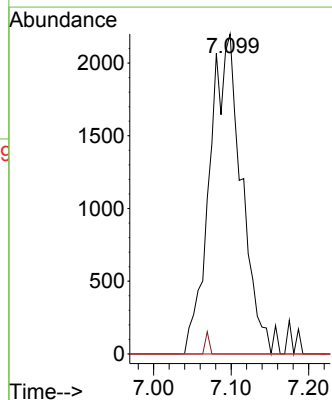
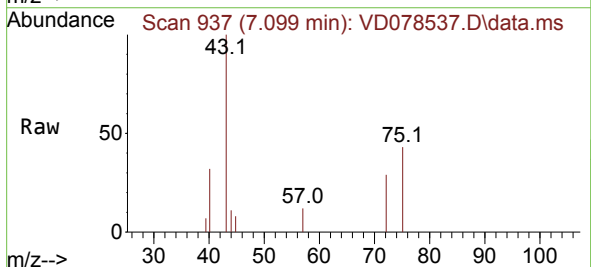


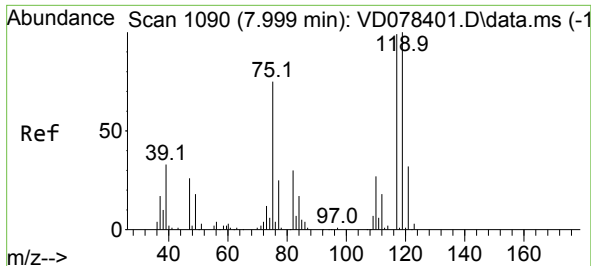
Tgt Ion: 75 Resp: 8468
Ion Ratio Lower Upper
75 100
110 8.1 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 9.142 ug/l
RT: 7.099 min Scan# 937
Delta R.T. -0.071 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

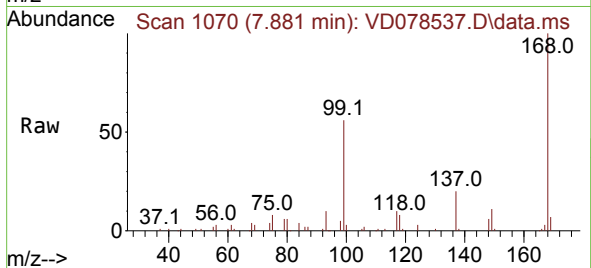
Tgt Ion: 43 Resp: 6341
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



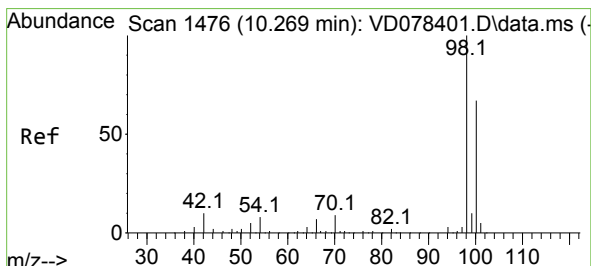
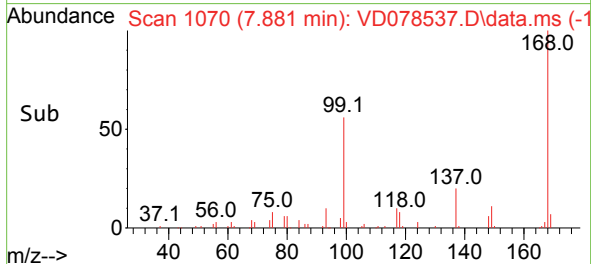
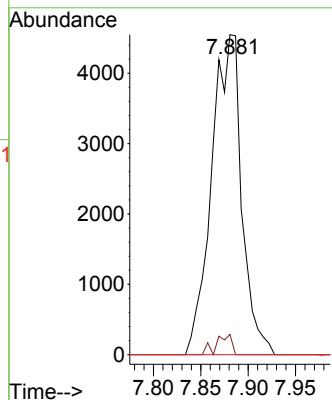


#38
Carbon Tetrachloride
Concen: 5.134 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.118 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

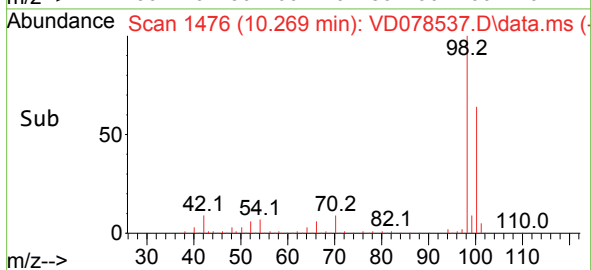
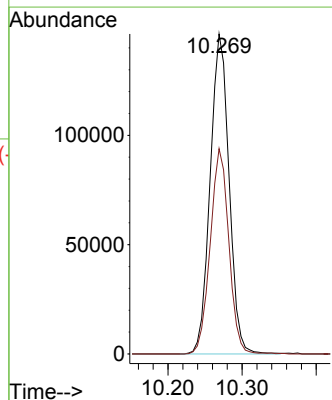
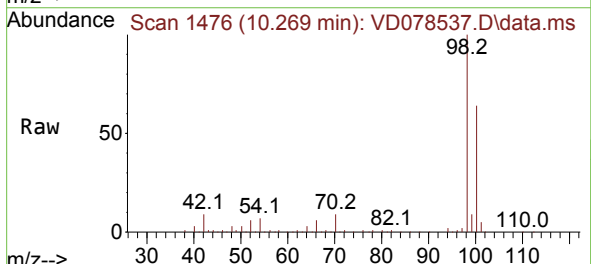


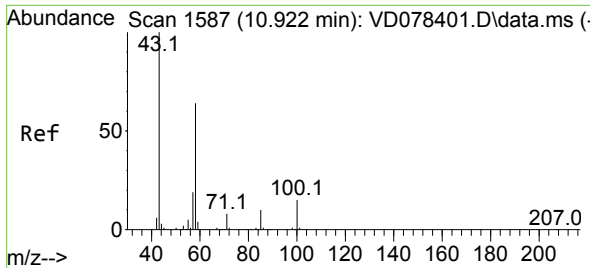
Tgt Ion:117 Resp: 10061
Ion Ratio Lower Upper
117 100
119 6.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.774 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 98 Resp: 258708
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

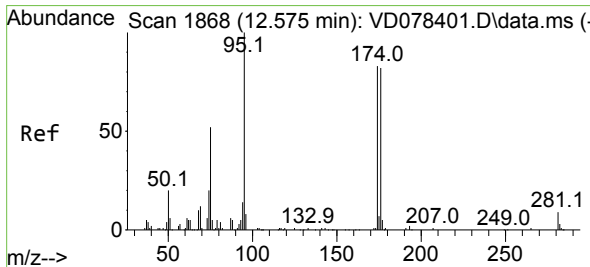
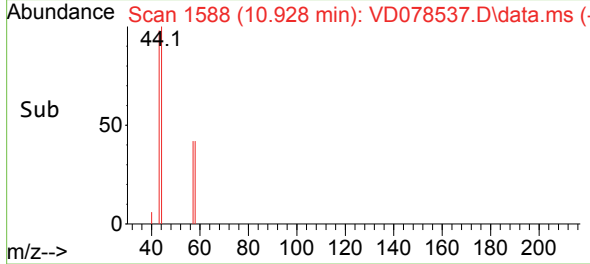
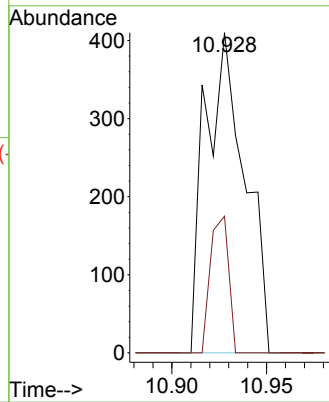
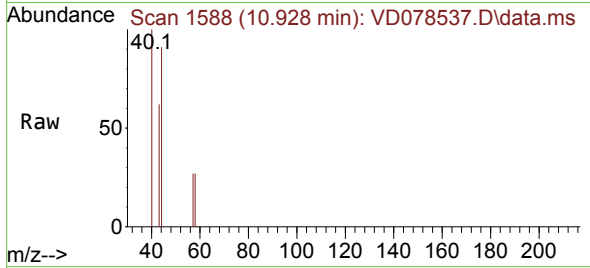




#59
2-Hexanone
Concen: 1.167 ug/l
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

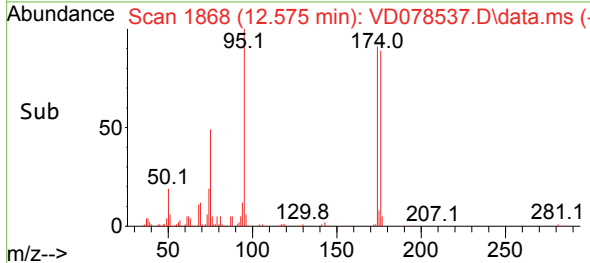
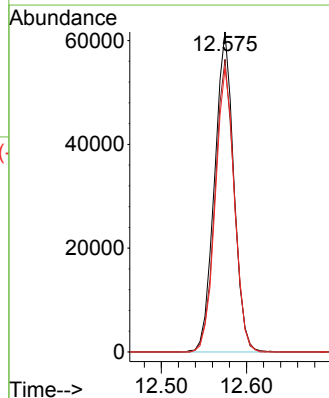
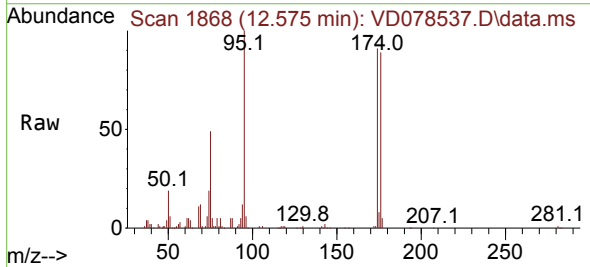
Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

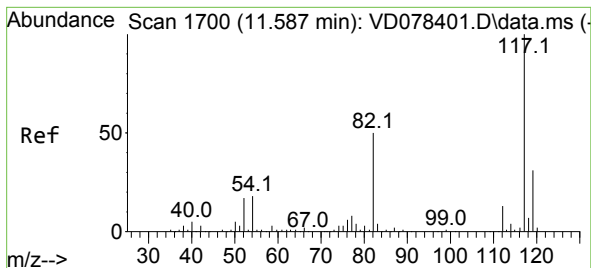
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
58 19.6 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 65.108 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 95 Resp: 96540
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 88.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078537.D

Acq: 23 Feb 2024 15:46

Instrument :

MSVOA_D

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE

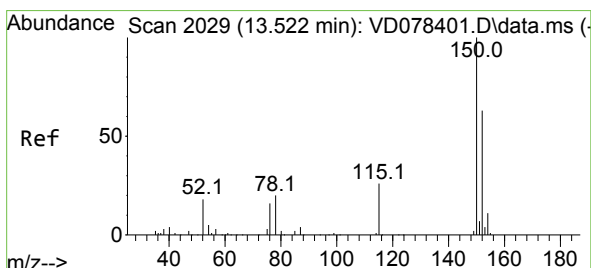
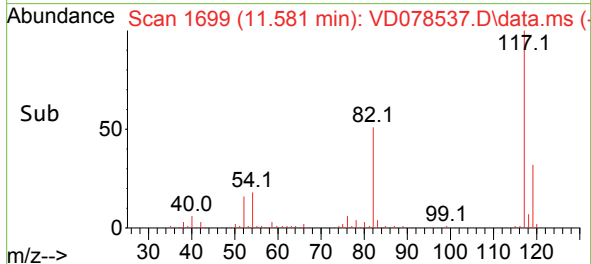
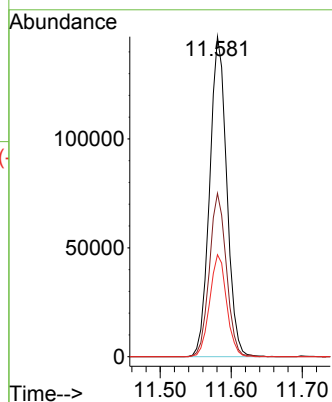
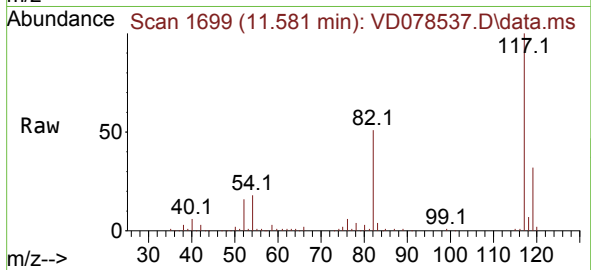
Tgt Ion:117 Resp: 245706

Ion Ratio Lower Upper

117 100

82 51.1 38.3 57.5

119 31.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD078537.D

Acq: 23 Feb 2024 15:46

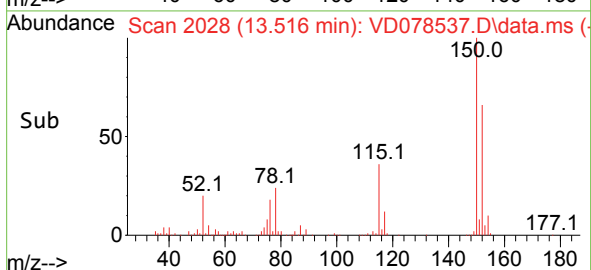
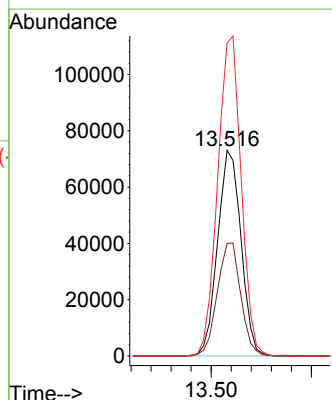
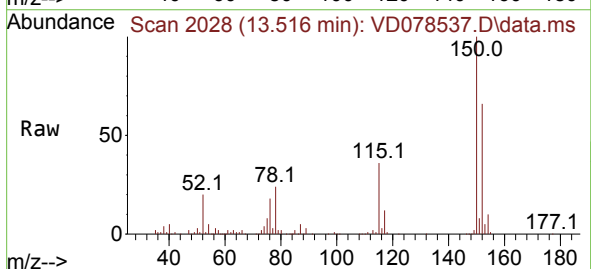
Tgt Ion:152 Resp: 118217

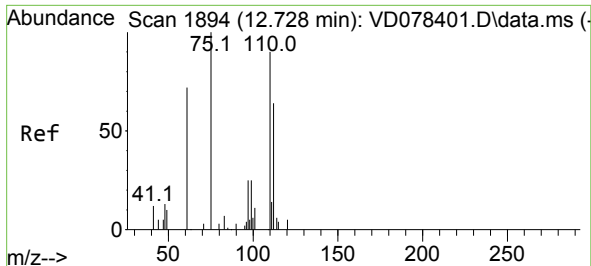
Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.3

150 156.4 0.0 353.6

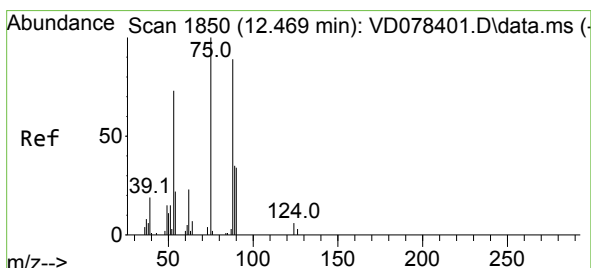
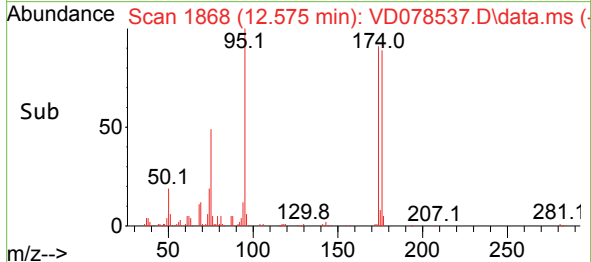
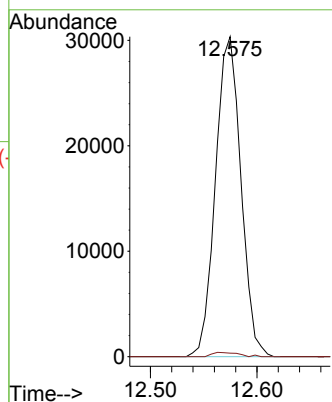
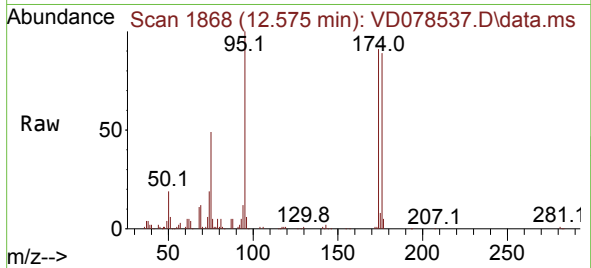




#76
1,2,3-Trichloropropane
Concen: 50.074 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Instrument : MSVOA_D
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Tgt Ion: 75 Resp: 50256
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.955 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078537.D
Acq: 23 Feb 2024 15:46

Tgt Ion: 75 Resp: 50256
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#

