

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078534.D
 Acq On : 23 Feb 2024 14:22
 Operator : RP/MD
 Sample : P1538-09RE
 Misc : 5.00G/6ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241102-AMENDED-COMPOSITE-35N-N-4-01RE

Quant Time: Feb 24 00:21:56 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)

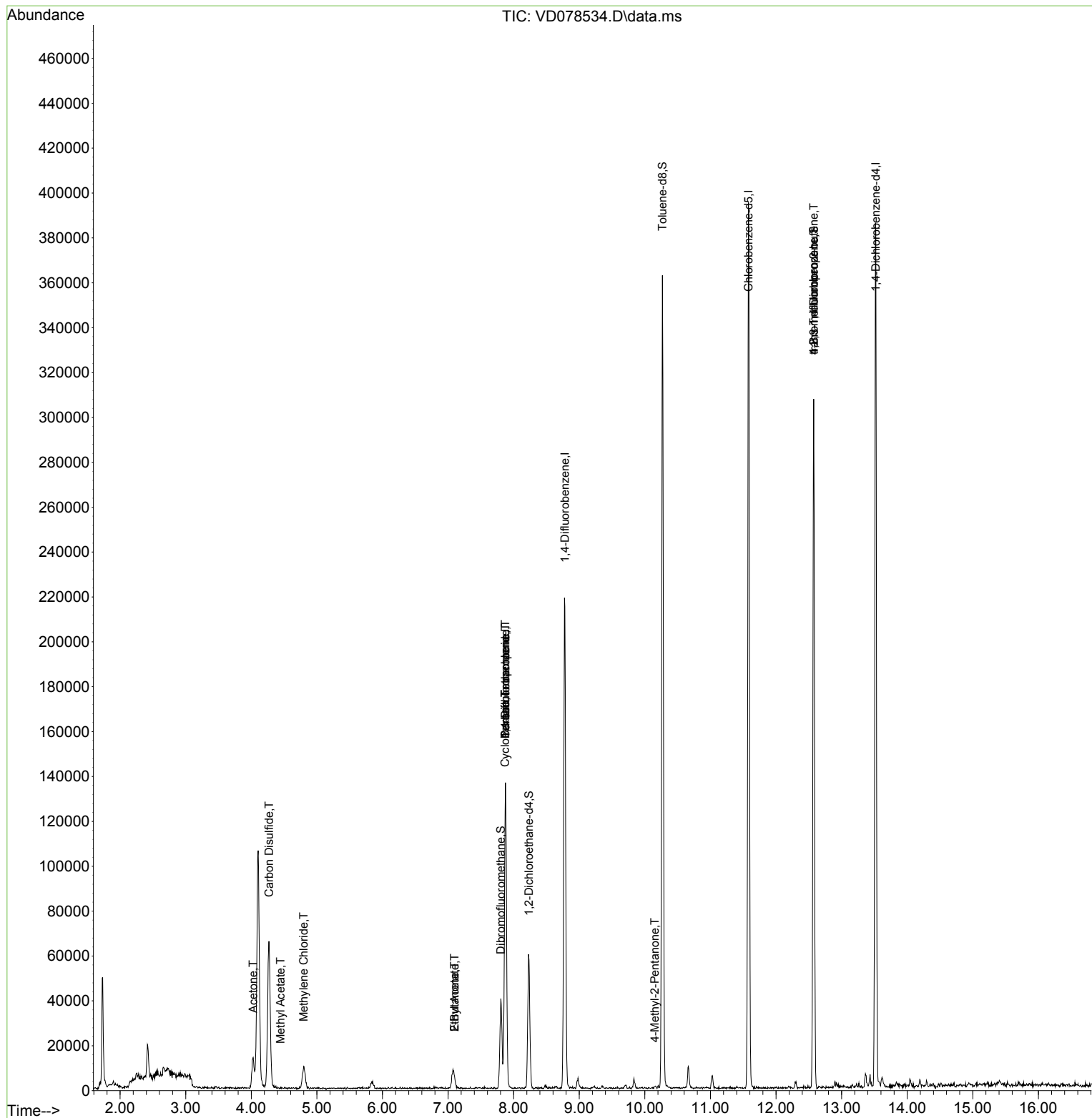
Internal Standards						
1) Pentafluorobenzene	7.875	168	103527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	202236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	106629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45472	40.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.240%		
35) Dibromofluoromethane	7.804	113	28889	22.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.980%#		
50) Toluene-d8	10.269	98	252083	49.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.575	95	92929	62.141	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	124.280%		
Target Compounds					Qvalue	
16) Acetone	4.028	43	23343	91.474	ug/l	90
17) Carbon Disulfide	4.269	76	136594	35.969	ug/l	98
18) Methyl Acetate	4.446	43	107	4.064	ug/l #	42
20) Methylene Chloride	4.799	84	8232	3.626	ug/l #	93
25) 2-Butanone	7.099	43	5342	3.346	ug/l	88
31) Cyclohexane	7.869	56	2173	1.148	ug/l #	46
36) 1,1-Dichloropropene	7.875	75	8445	4.232	ug/l #	43
37) Ethyl Acetate	7.099	43	5342	7.636	ug/l #	64
38) Carbon Tetrachloride	7.875	117	10477	5.301	ug/l #	15
51) 4-Methyl-2-Pentanone	10.151	43	736	1.070	ug/l #	58
76) 1,2,3-Trichloropropane	12.575	75	48490	53.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48490	111.203	ug/l #	17

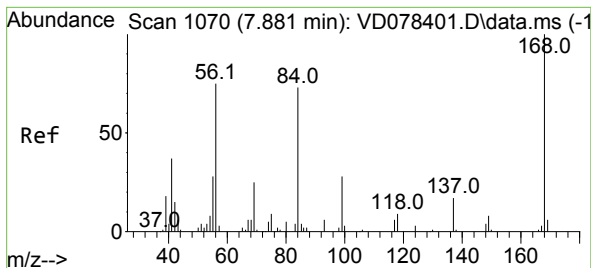
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078534.D

Acq: 23 Feb 2024 14:22

Instrument :

MSVOA_D

ClientSampleId :

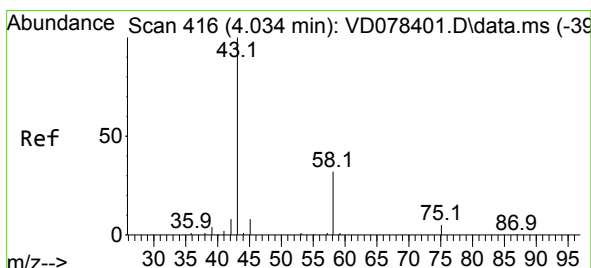
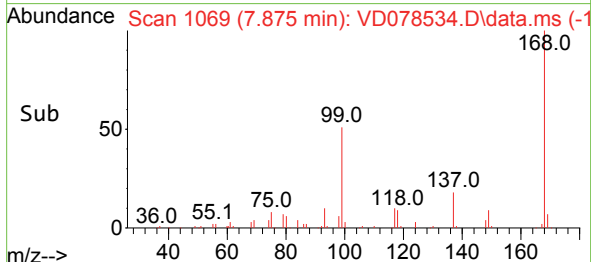
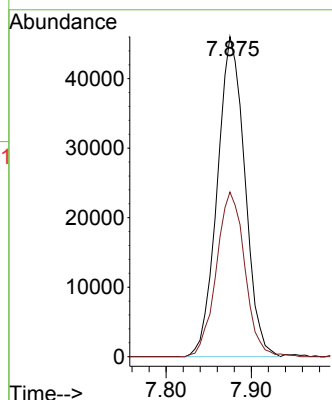
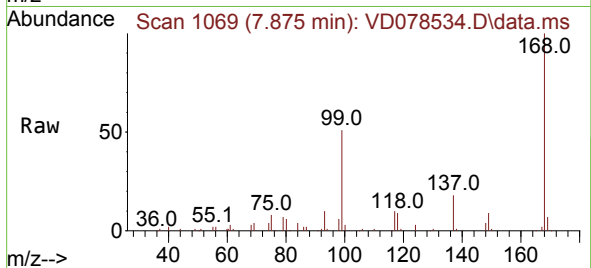
20241102-AMENDED-COMPOSITE-35N-N-4-01RE

Tgt Ion:168 Resp: 103527

Ion Ratio Lower Upper

168 100

99 51.5 36.7 55.1



#16

Acetone

Concen: 91.474 ug/l

RT: 4.028 min Scan# 415

Delta R.T. -0.006 min

Lab File: VD078534.D

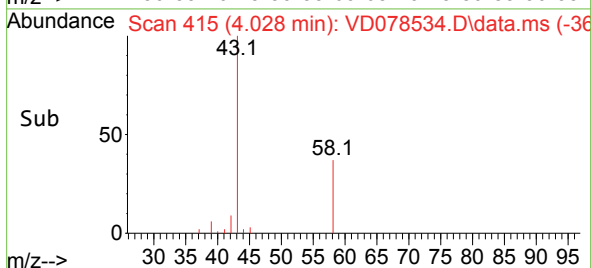
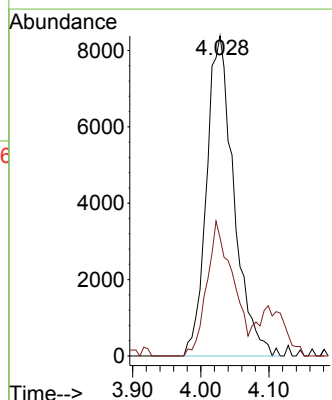
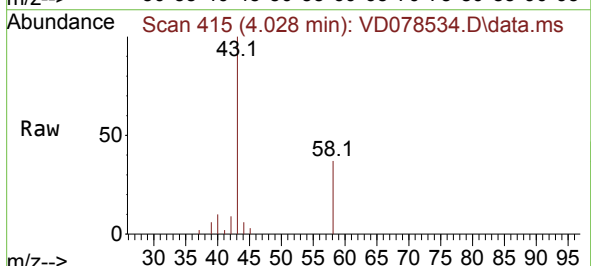
Acq: 23 Feb 2024 14:22

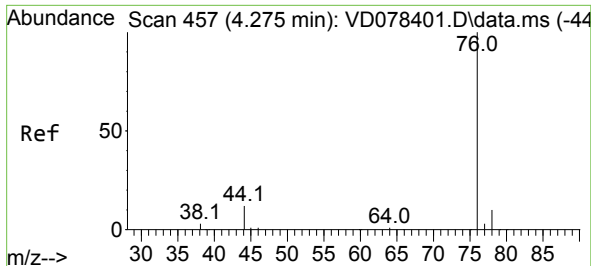
Tgt Ion: 43 Resp: 23343

Ion Ratio Lower Upper

43 100

58 37.0 34.7 52.1

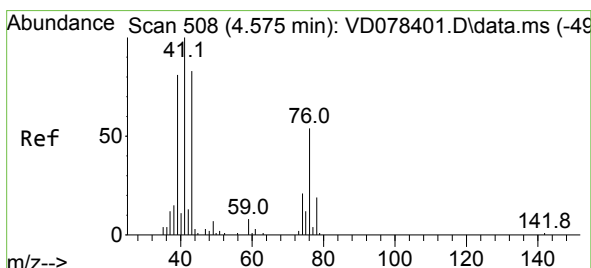
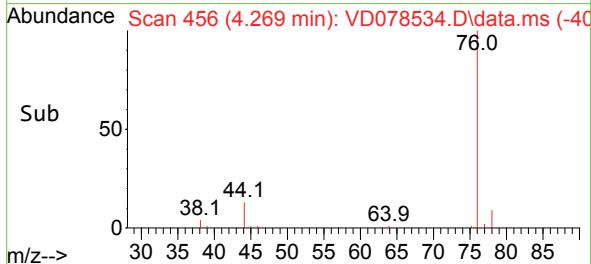
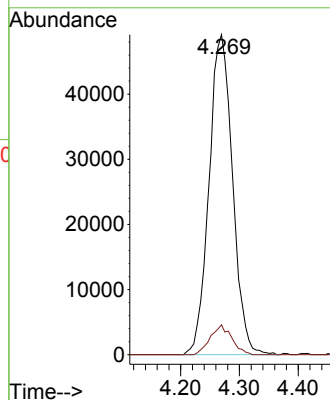
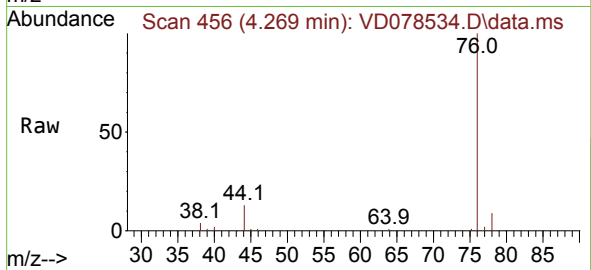




#17
Carbon Disulfide
Concen: 35.969 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

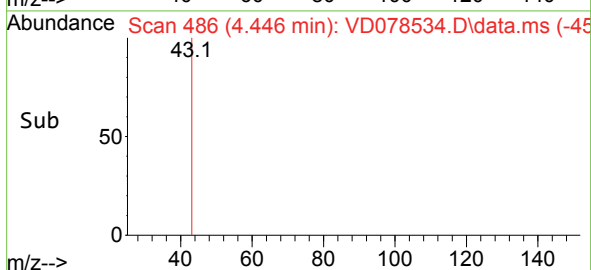
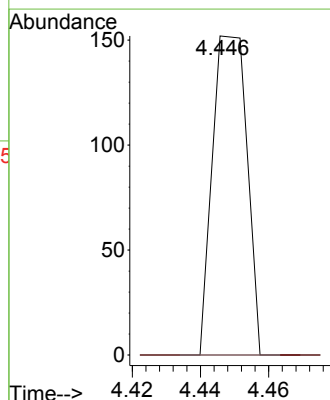
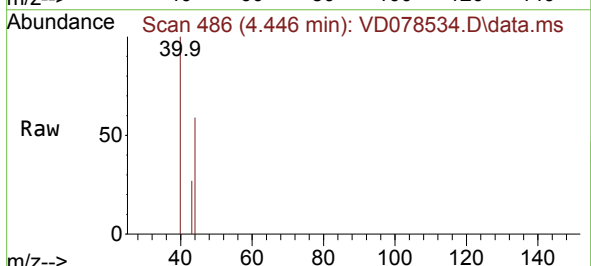
Instrument :
MSVOA_D
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01RE

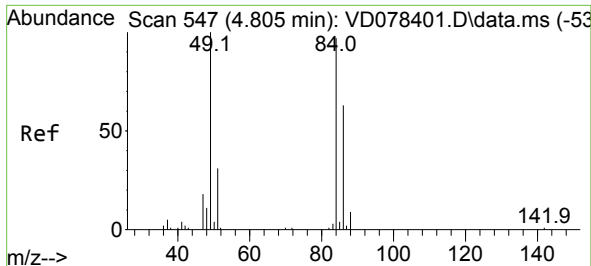
Tgt Ion: 76 Resp: 136594
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.064 ug/l
RT: 4.446 min Scan# 486
Delta R.T. -0.129 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

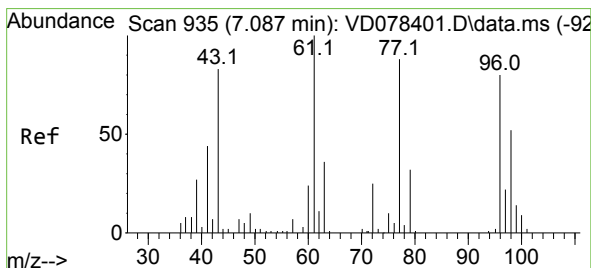
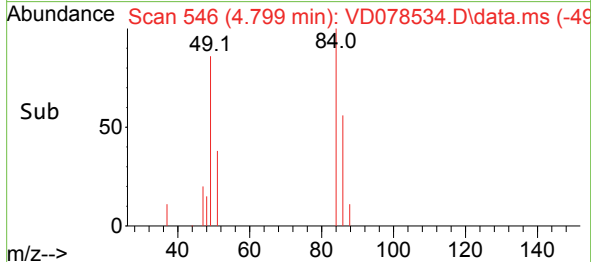
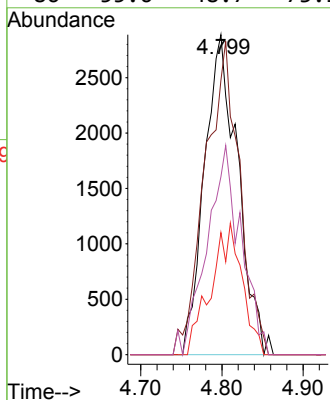
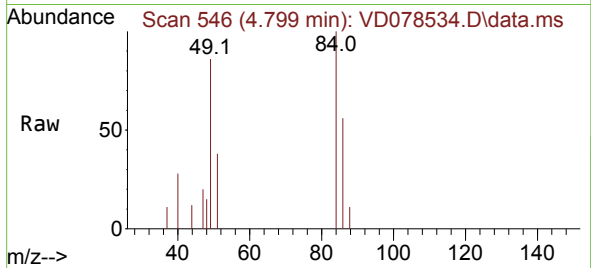




#20
Methylene Chloride
Concen: 3.626 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

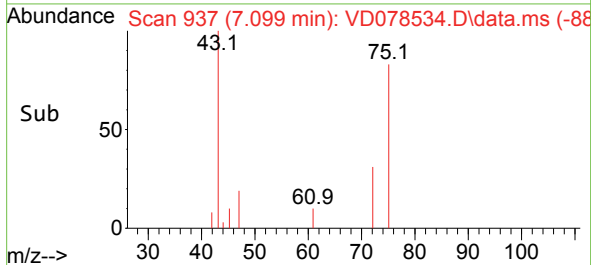
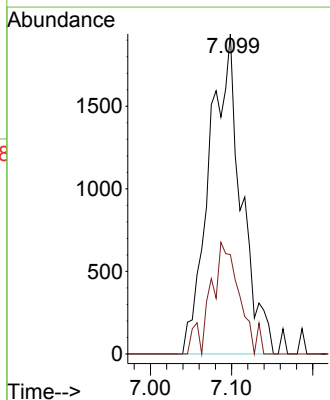
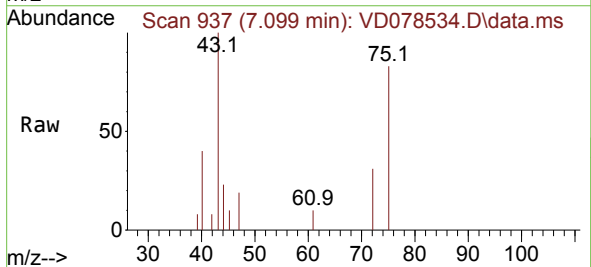
Instrument : MSVOA_D
ClientSampleId : 20241102-AMENDED-COMPOSITE-35N-N-4-01RE

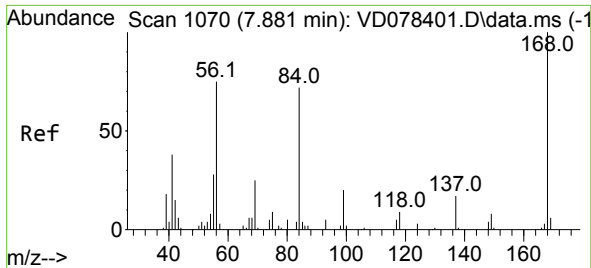
Tgt Ion:	84	Resp:	8232
Ion	Ratio	Lower	Upper
84	100		
49	85.8	71.4	107.2
51	38.1	24.5	36.7#
86	55.6	48.7	73.1



#25
2-Butanone
Concen: 3.346 ug/l
RT: 7.099 min Scan# 937
Delta R.T. 0.012 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

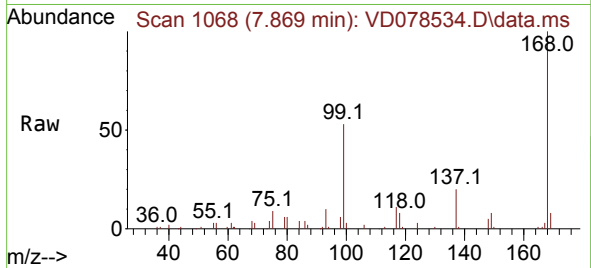
Tgt Ion:	43	Resp:	5342
Ion	Ratio	Lower	Upper
43	100		
72	31.1	30.7	46.1



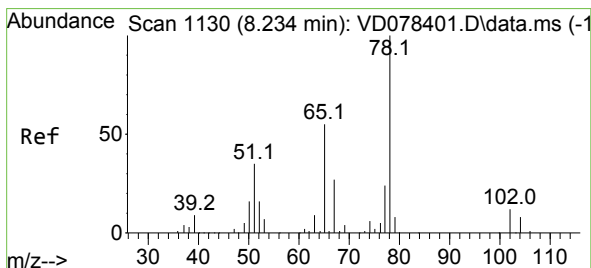
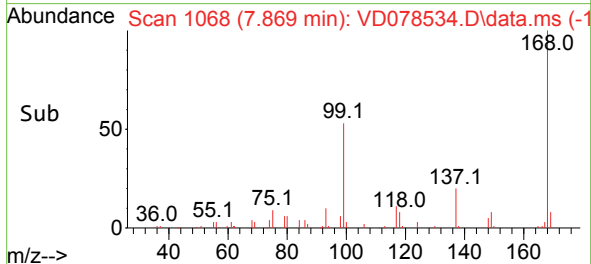
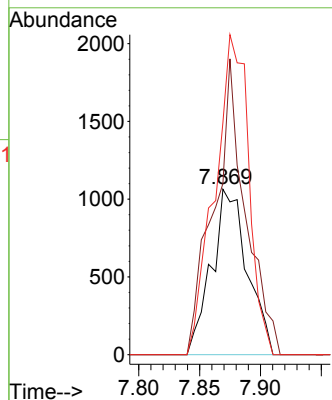


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Instrument : MSVOA_D
ClientSampleId : 20241102-AMENDED-COMPOSITE-35N-N-4-01RE

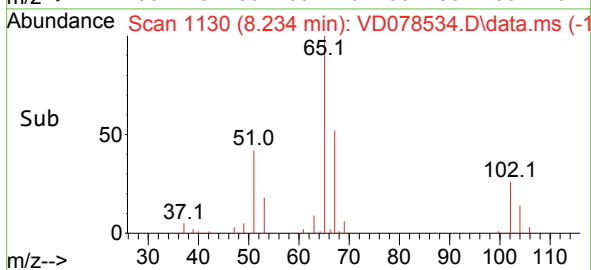
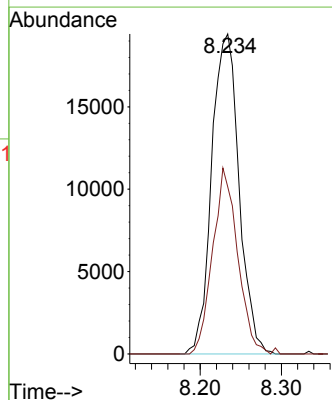
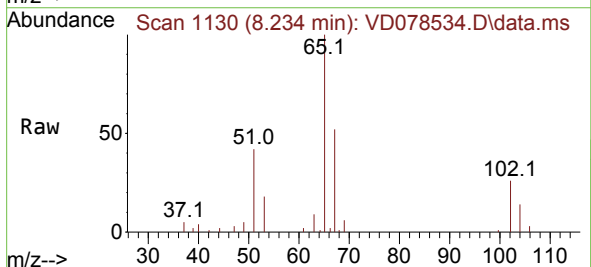


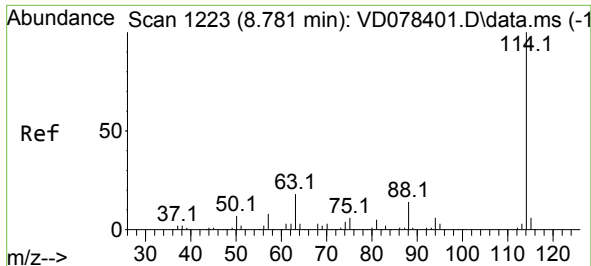
Tgt Ion: 56 Resp: 2173
Ion Ratio Lower Upper
56 100
69 103.5 28.6 43.0#
84 140.3 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 40.622 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Tgt Ion: 65 Resp: 45472
Ion Ratio Lower Upper
65 100
67 53.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078534.D

Acq: 23 Feb 2024 14:22

Instrument :

MSVOA_D

ClientSampleId :

20241102-AMENDED-COMPOSITE-35N-N-4-01RE

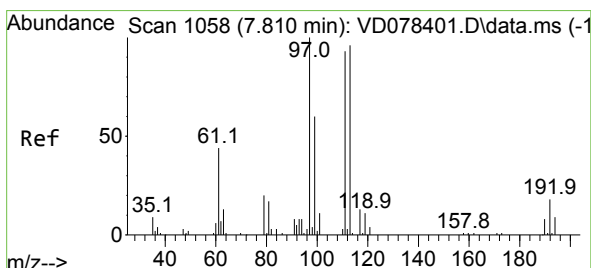
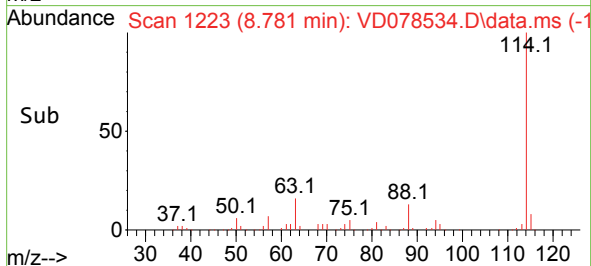
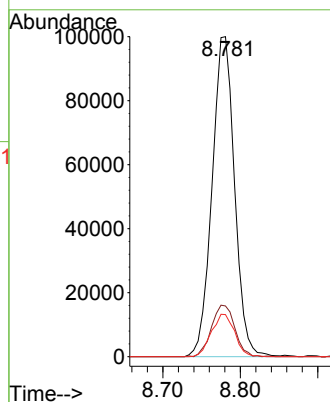
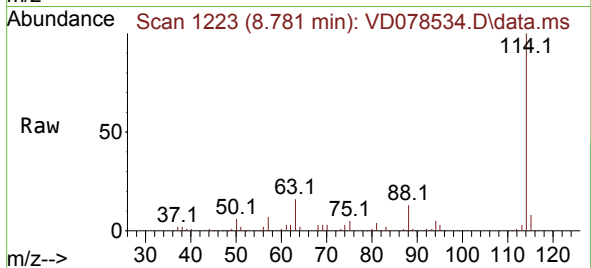
Tgt Ion:114 Resp: 202236

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 22.488 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078534.D

Acq: 23 Feb 2024 14:22

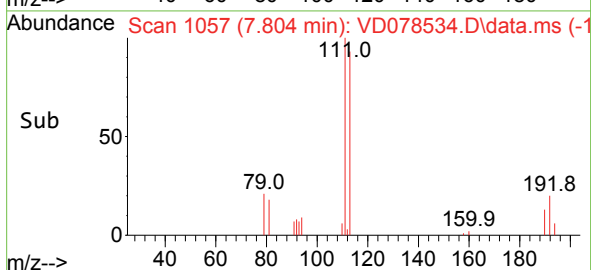
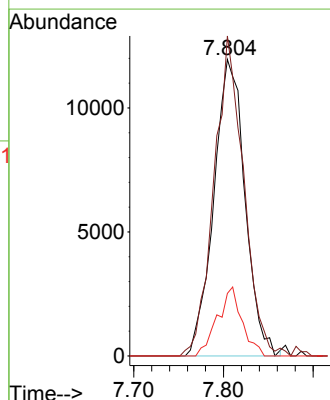
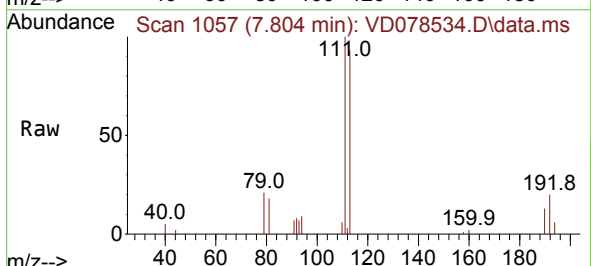
Tgt Ion:113 Resp: 28889

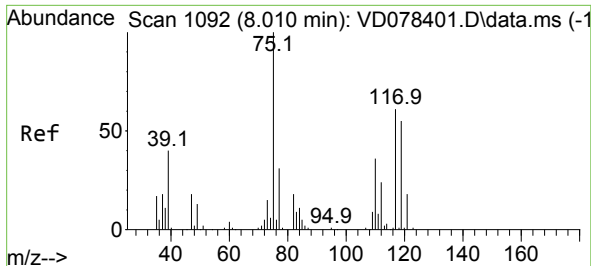
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 18.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.232 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078534.D

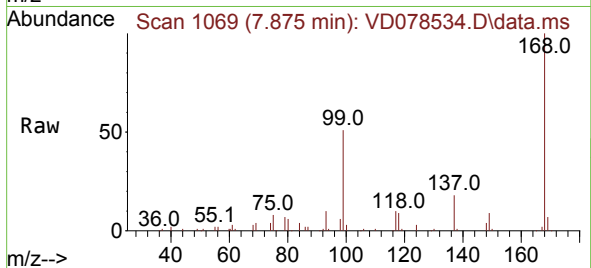
Acq: 23 Feb 2024 14:22

Instrument :

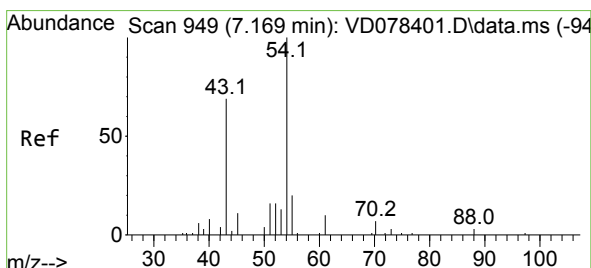
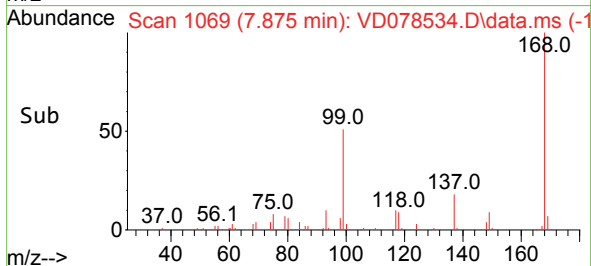
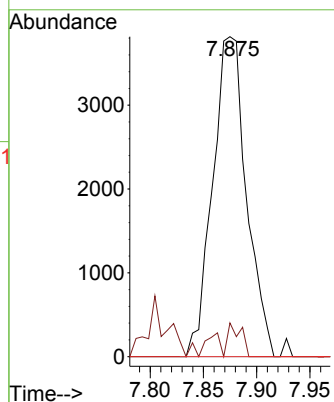
MSVOA_D

ClientSampleId :

20241102-AMENDED-COMPOSITE-35N-N-4-01RE



Tgt Ion: 75	Resp: 8445
Ion Ratio	Lower Upper
75	100
110	4.1 19.9 59.6#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 7.636 ug/l

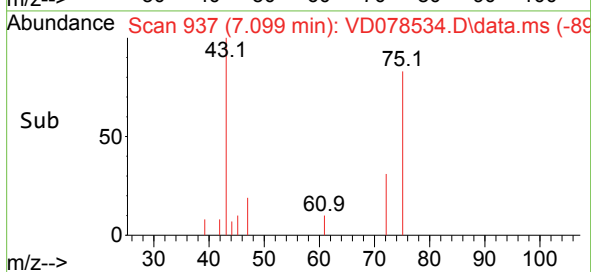
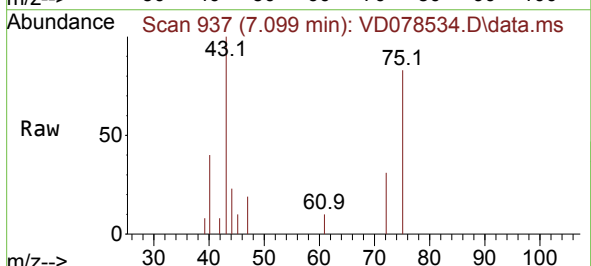
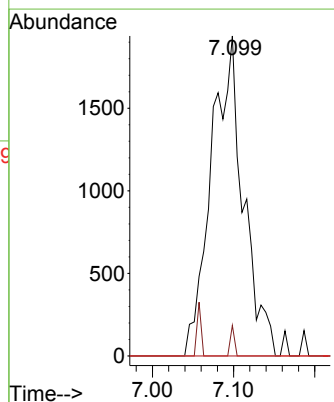
RT: 7.099 min Scan# 937

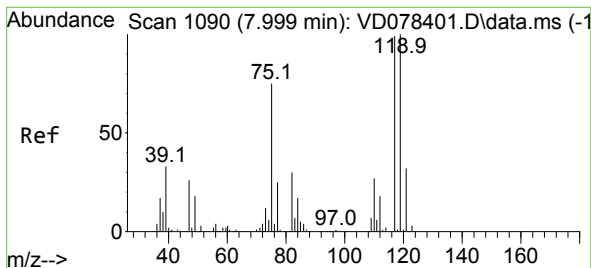
Delta R.T. -0.071 min

Lab File: VD078534.D

Acq: 23 Feb 2024 14:22

Tgt Ion: 43	Resp: 5342
Ion Ratio	Lower Upper
43	100
61	1.2 14.9 22.3#
70	0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 5.301 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078534.D

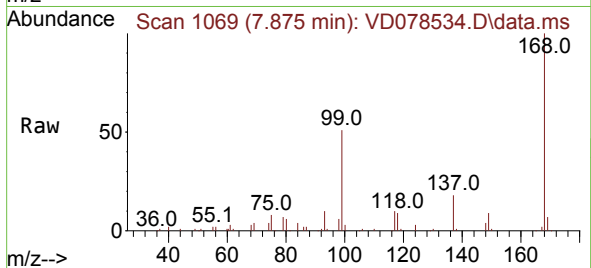
Acq: 23 Feb 2024 14:22

Instrument :

MSVOA_D

ClientSampleId :

20241102-AMENDED-COMPOSITE-35N-N-4-01RE



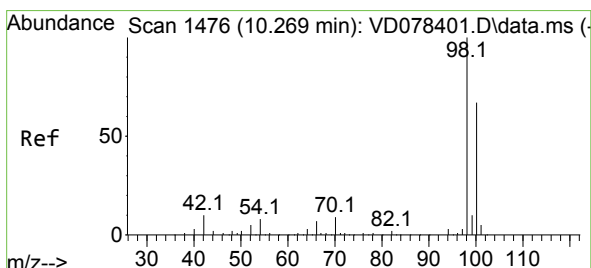
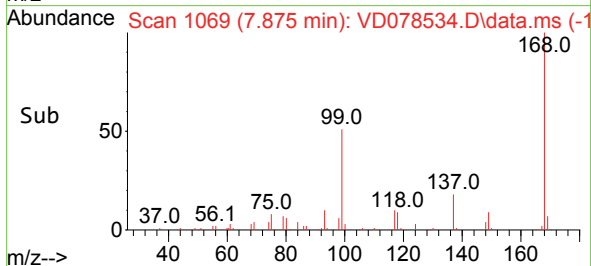
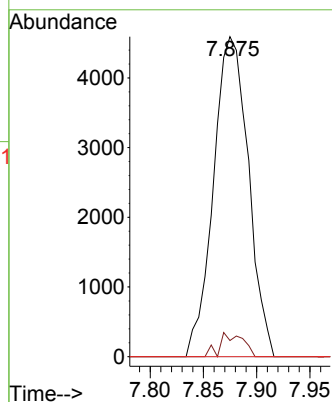
Tgt Ion:117 Resp: 10477

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.054 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078534.D

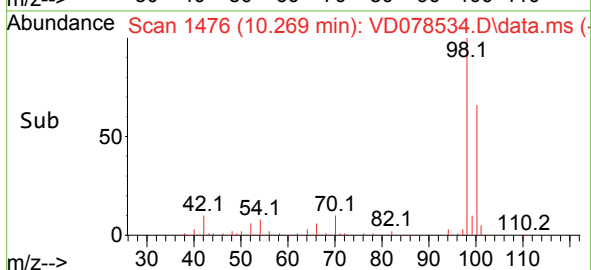
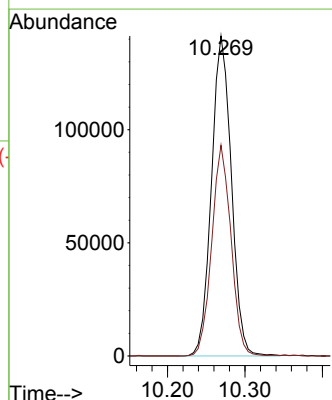
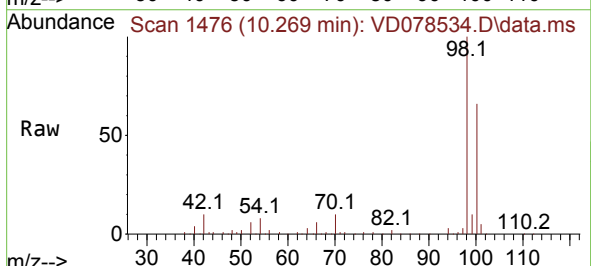
Acq: 23 Feb 2024 14:22

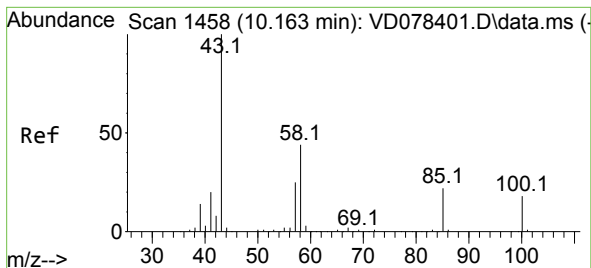
Tgt Ion: 98 Resp: 252083

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

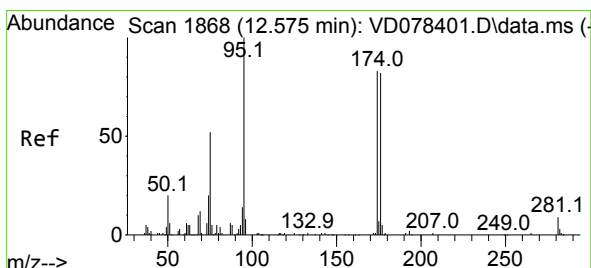
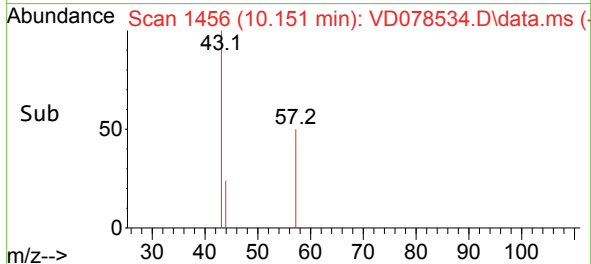
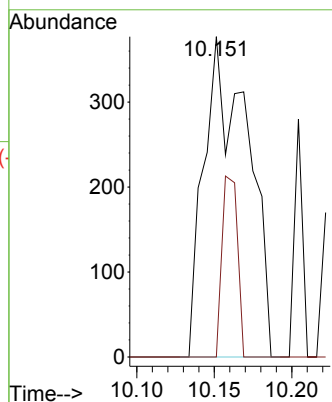
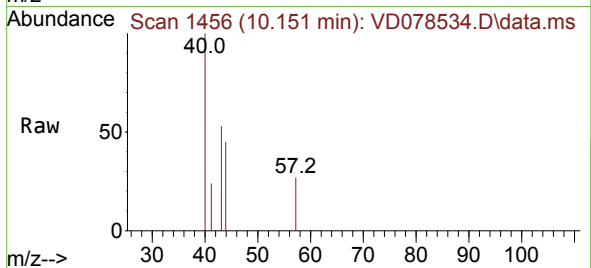




#51
4-Methyl-2-Pentanone
Concen: 1.070 ug/l
RT: 10.151 min Scan# 1456
Delta R.T. -0.012 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

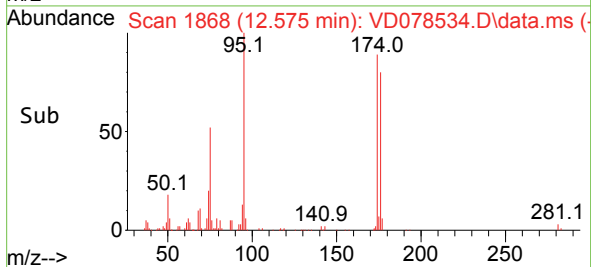
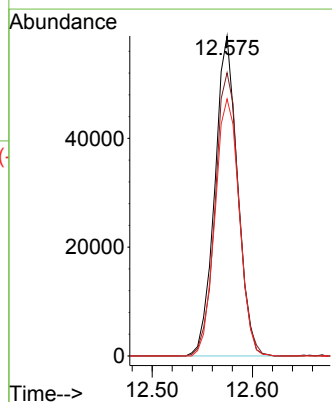
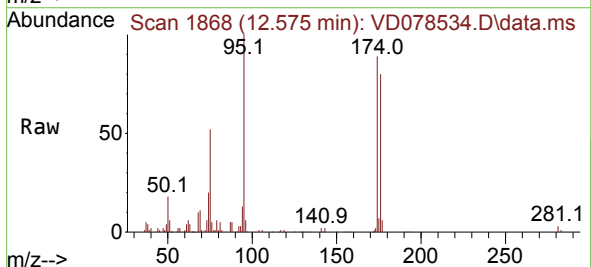
Instrument : MSVOA_D
ClientSampleId : 20241102-AMENDED-COMPOSITE-35N-N-4-01RE

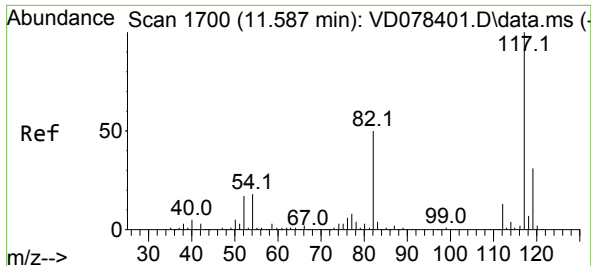
Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
58 20.1 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 62.141 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Tgt Ion: 95 Resp: 92929
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 85.3 0.0 191.8

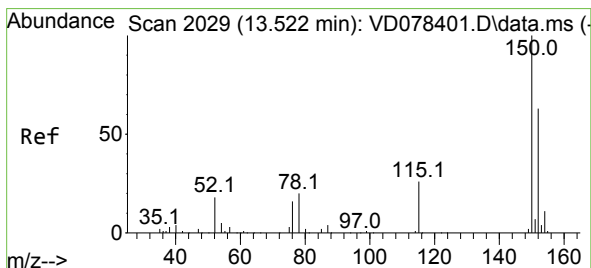
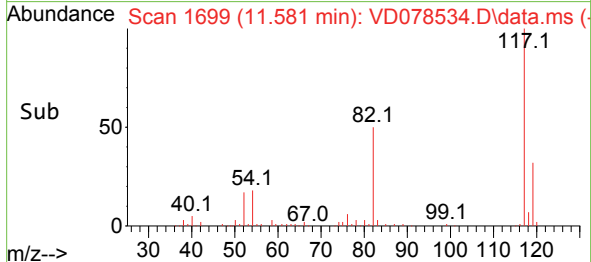
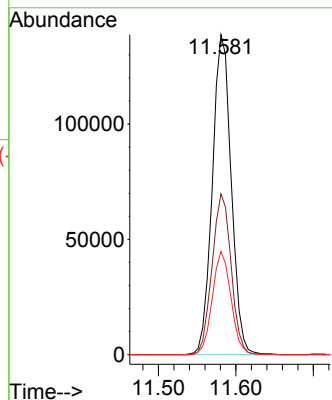
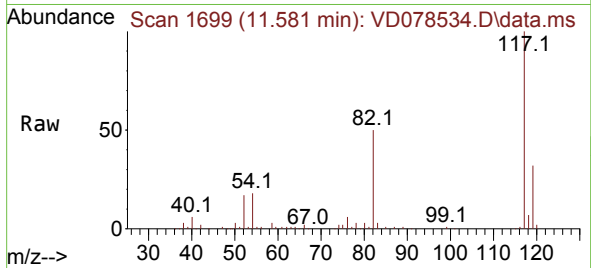




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

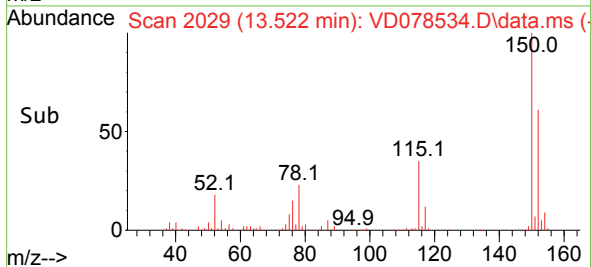
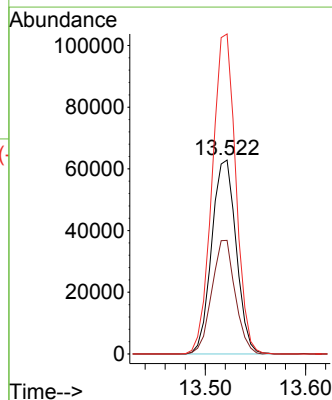
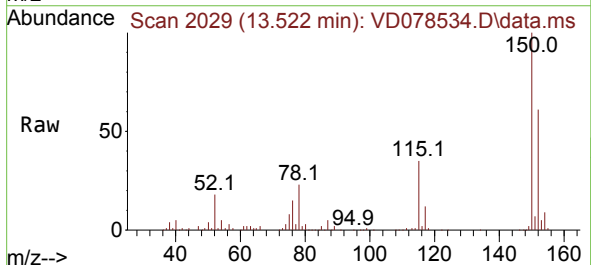
Instrument :
MSVOA_D
ClientSampleId :
20241102-AMENDED-COMPOSITE-35N-N-4-01RE

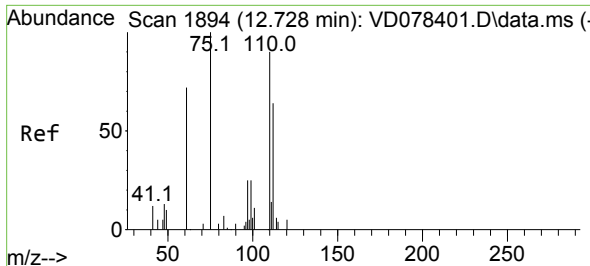
Tgt Ion:117 Resp: 235829
Ion Ratio Lower Upper
117 100
82 50.2 38.3 57.5
119 32.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Tgt Ion:152 Resp: 106629
Ion Ratio Lower Upper
152 100
115 56.0 27.1 81.3
150 159.4 0.0 353.6

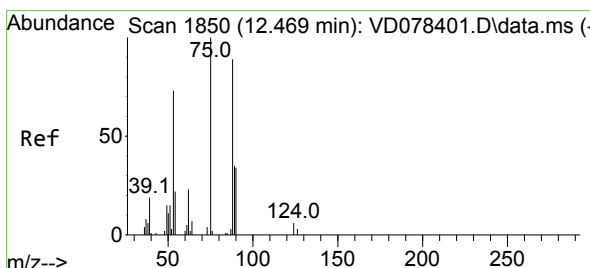
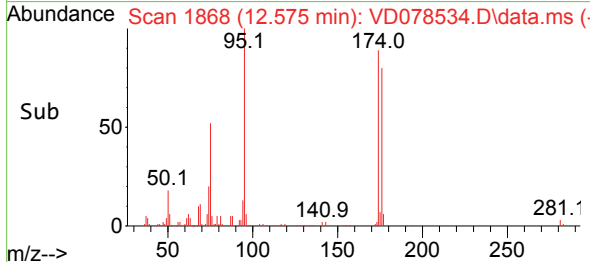
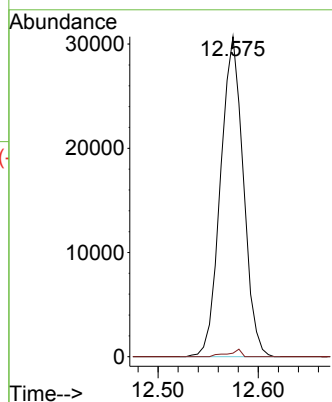
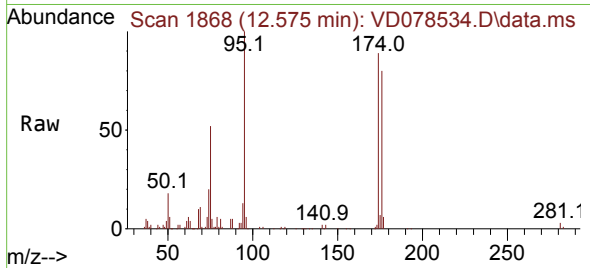




#76
1,2,3-Trichloropropane
Concen: 53.565 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Instrument : MSVOA_D
ClientSampleId : 20241102-AMENDED-COMPOSITE-35N-N-4-01RE

Tgt Ion: 75 Resp: 48490
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.203 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078534.D
Acq: 23 Feb 2024 14:22

Tgt Ion: 75 Resp: 48490
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#

