

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078517.D
 Acq On : 22 Feb 2024 15:06
 Operator : RP/MD
 Sample : P1538-04RE
 Misc : 5.08G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04

Quant Time: Feb 23 01:04:22 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)

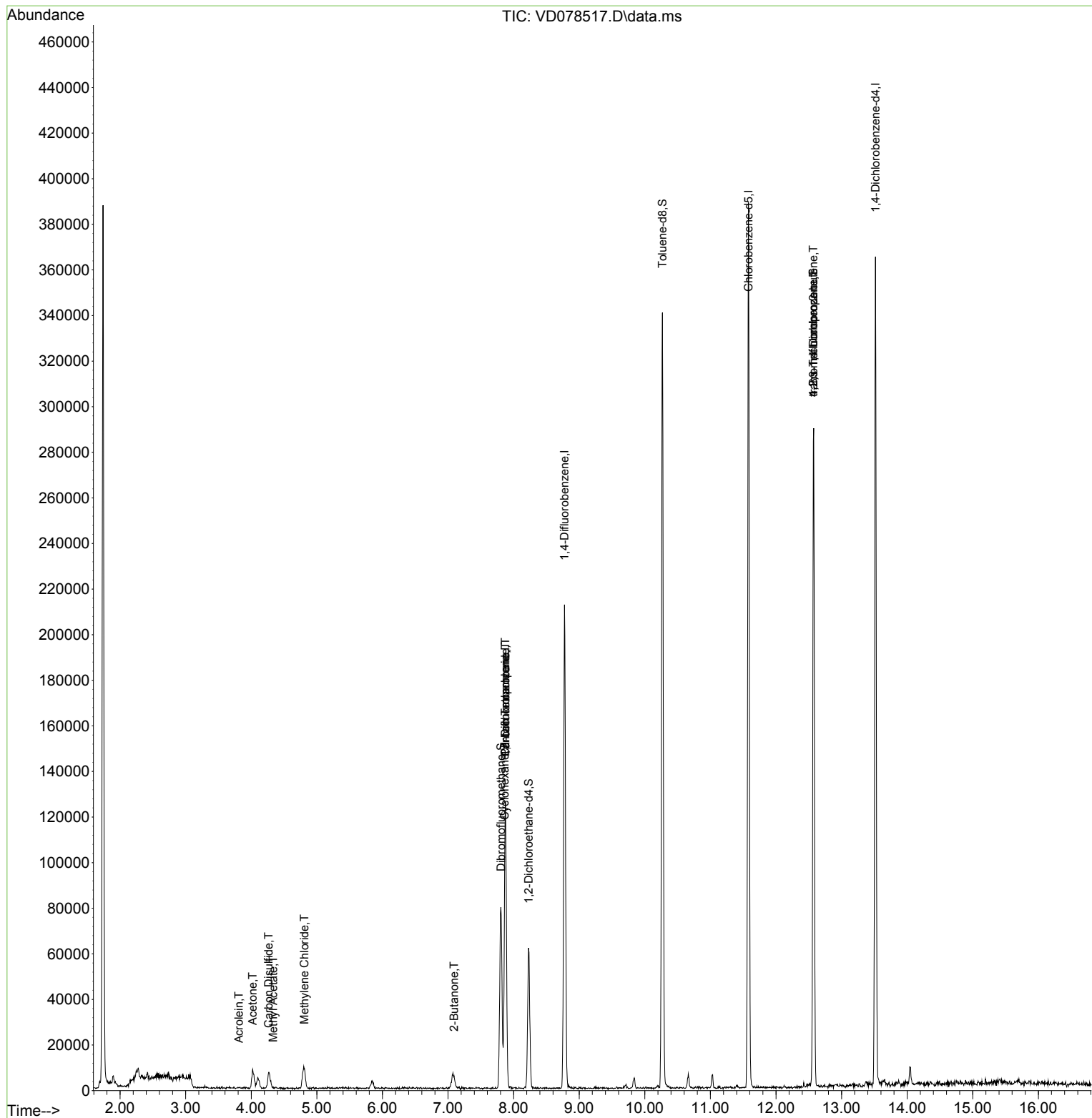
Internal Standards						
1) Pentafluorobenzene	7.875	168	97440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	191093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	224689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47132	44.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.480%
35) Dibromofluoromethane	7.811	113	60762	50.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.120%
50) Toluene-d8	10.269	98	246163	50.695	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.400%
62) 4-Bromofluorobenzene	12.569	95	87889	62.198	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	124.400%
Target Compounds						
					Qvalue	
13) Acrolein	3.811	56	178	1.829	ug/l #	15
16) Acetone	4.023	43	13771	47.656	ug/l #	79
17) Carbon Disulfide	4.264	76	13787	3.857	ug/l	100
18) Methyl Acetate	4.334	43	100	4.063	ug/l #	42
20) Methylene Chloride	4.811	84	7779	3.654	ug/l	90
25) 2-Butanone	7.093	43	4808	2.467	ug/l #	65
31) Cyclohexane	7.863	56	2161	1.213	ug/l #	70
36) 1,1-Dichloropropene	7.875	75	8128	4.310	ug/l #	46
38) Carbon Tetrachloride	7.875	117	9237	4.946	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	46616	58.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	46616	120.739	ug/l #	17

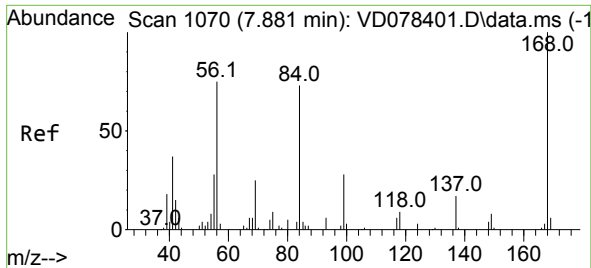
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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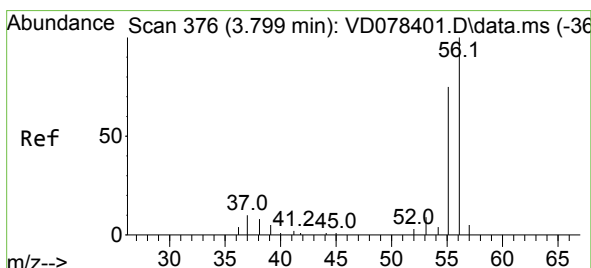
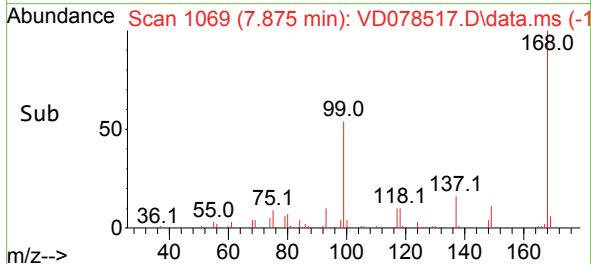
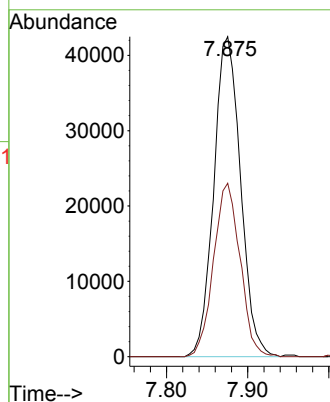
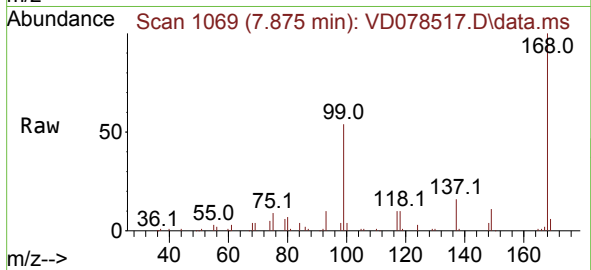




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

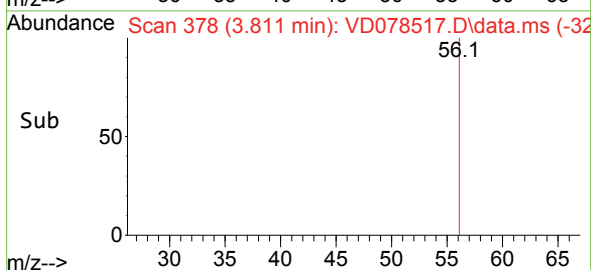
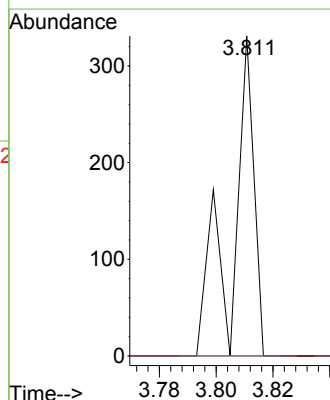
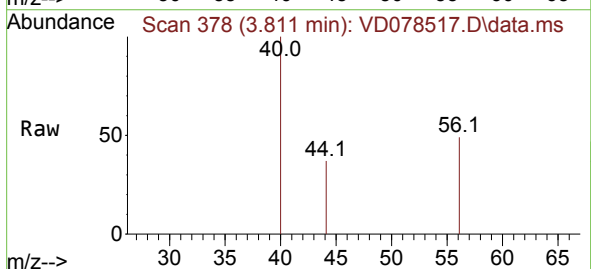
Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

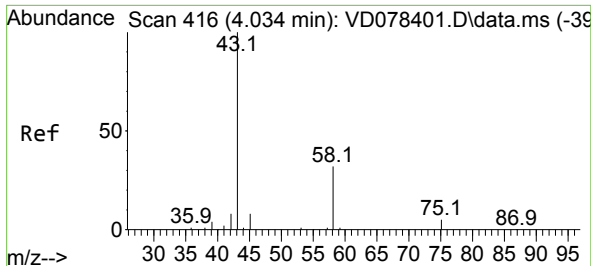
Tgt Ion:168 Resp: 97440
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#13
Acrolein
Concen: 1.829 ug/l
RT: 3.811 min Scan# 378
Delta R.T. 0.012 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

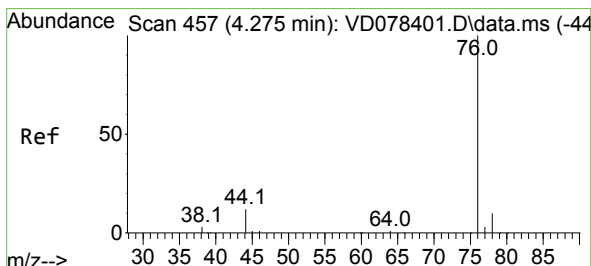
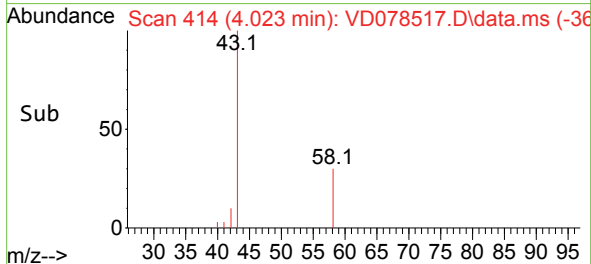
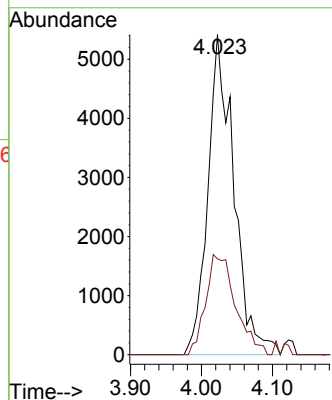
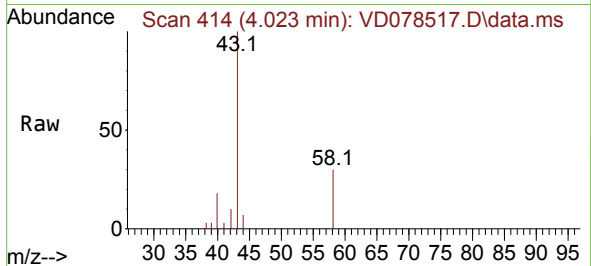




#16
Acetone
Concen: 47.656 ug/l
RT: 4.023 min Scan# 416
Delta R.T. -0.011 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

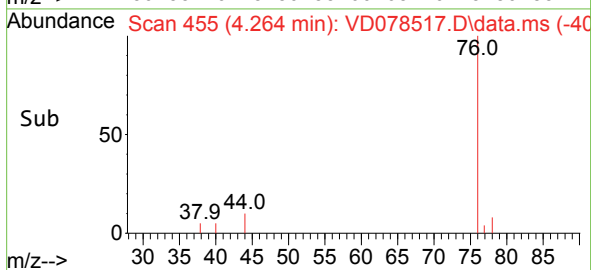
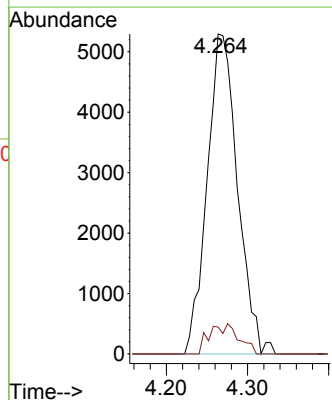
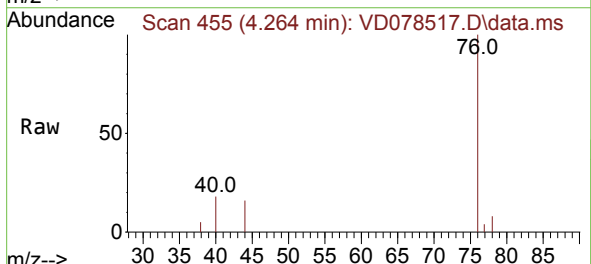
Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

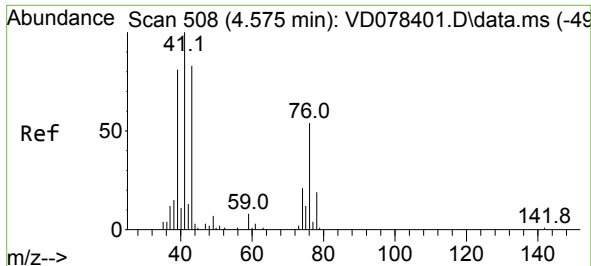
Tgt Ion: 43 Resp: 13771
Ion Ratio Lower Upper
43 100
58 30.0 34.7 52.1#



#17
Carbon Disulfide
Concen: 3.857 ug/l
RT: 4.264 min Scan# 455
Delta R.T. -0.012 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Tgt Ion: 76 Resp: 13787
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2

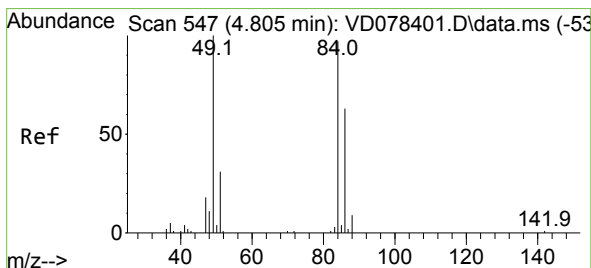
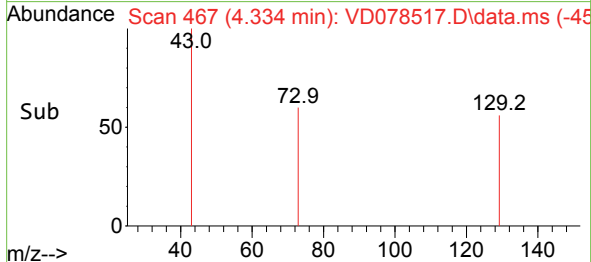
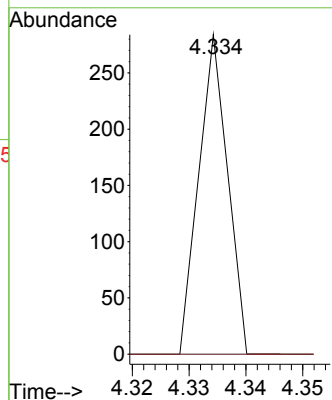
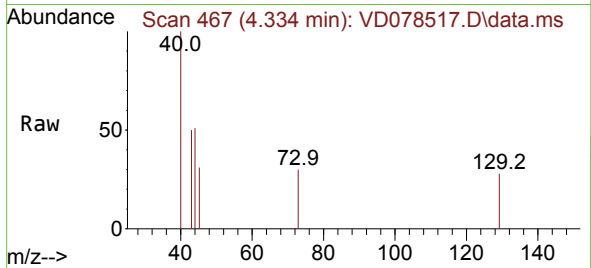




#18
Methyl Acetate
Concen: 4.063 ug/l
RT: 4.334 min Scan# 41
Delta R.T. -0.241 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

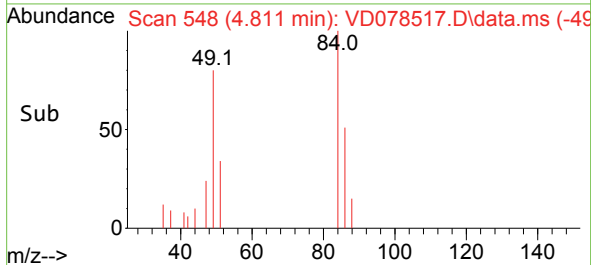
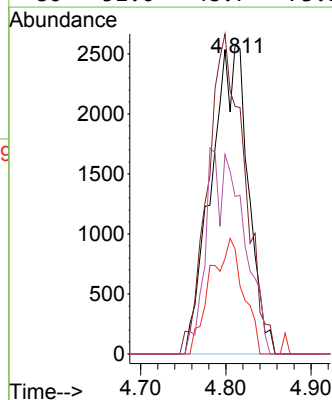
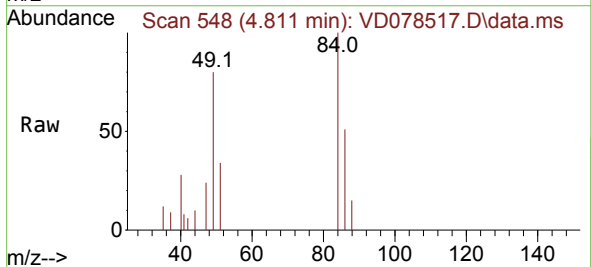
Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

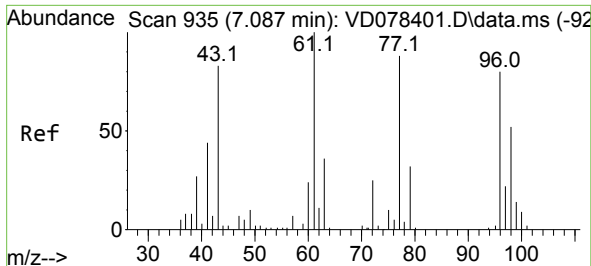
Tgt Ion: 43 Resp: 100
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 3.654 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Tgt Ion: 84 Resp: 7779
Ion Ratio Lower Upper
84 100
49 80.2 71.4 107.2
51 34.0 24.5 36.7
86 51.0 48.7 73.1

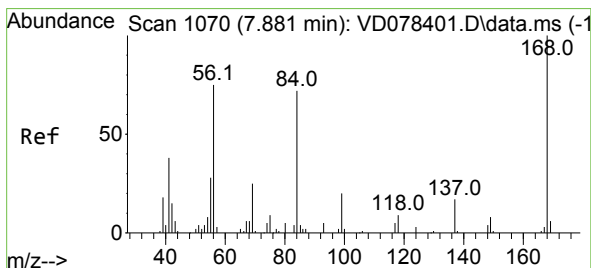
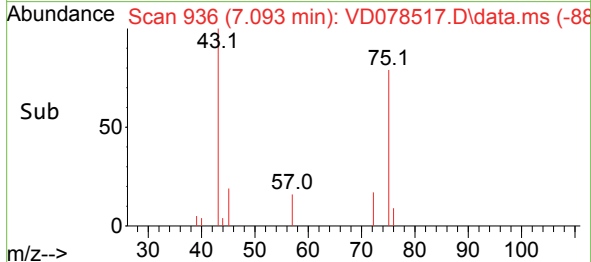
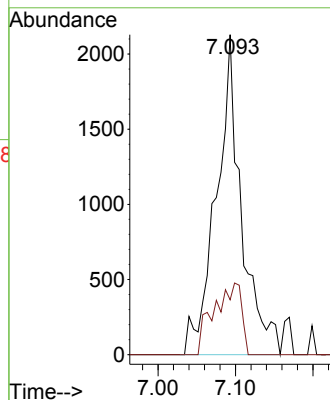
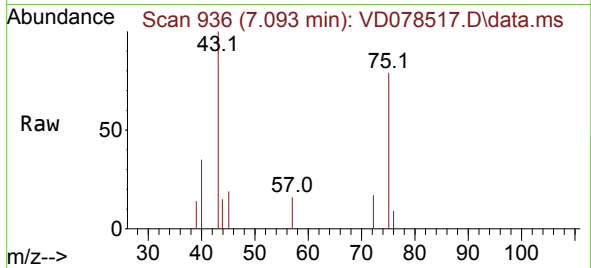




#25
2-Butanone
Concen: 2.467 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

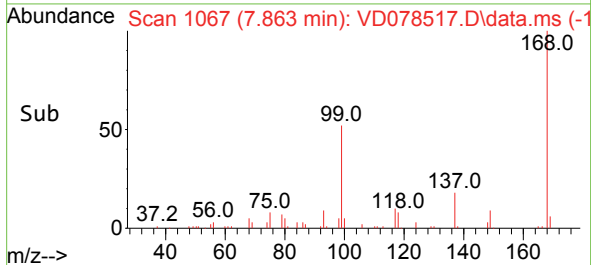
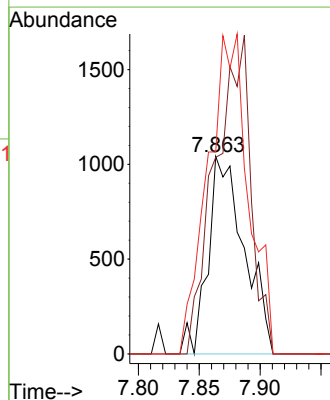
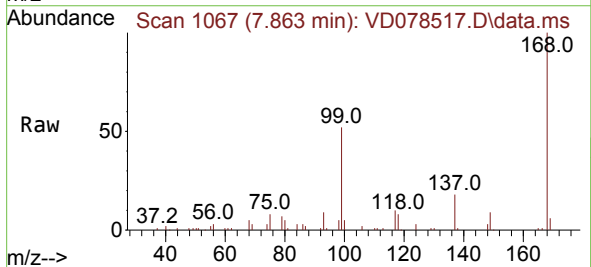
Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

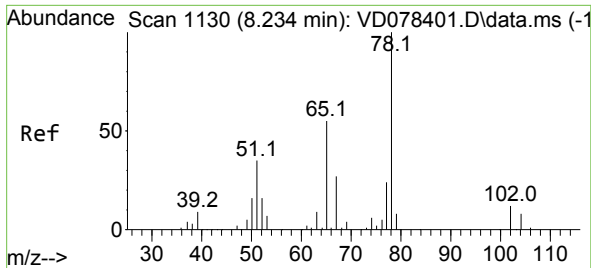
Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
72 17.1 30.7 46.1#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.018 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Tgt Ion: 56 Resp: 2161
Ion Ratio Lower Upper
56 100
69 99.5 28.6 43.0#
84 102.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 44.736 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078517.D

Acq: 22 Feb 2024 15:06

Instrument :

MSVOA_D

ClientSampleId :

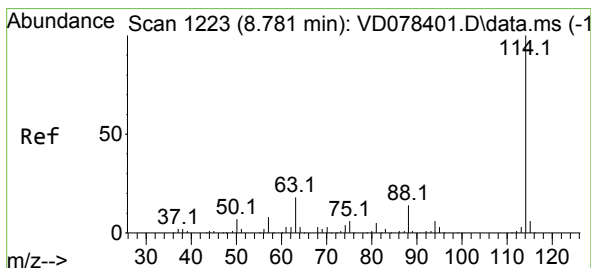
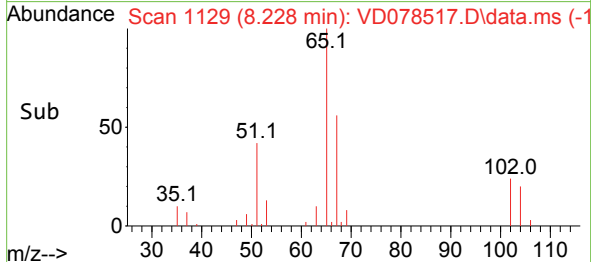
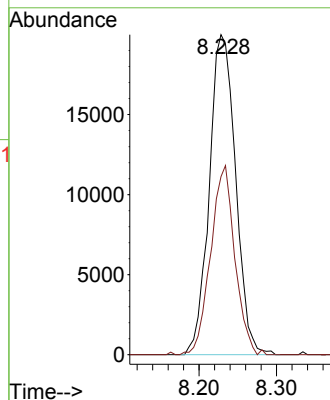
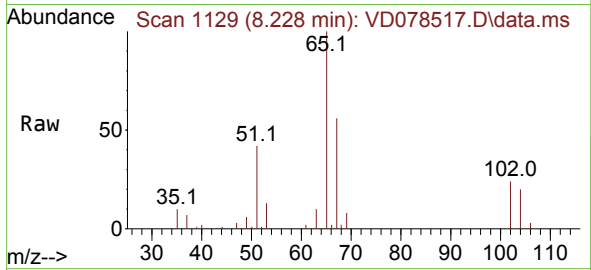
20241099-COMPOSITE-35N-N-4-04

Tgt Ion: 65 Resp: 47132

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078517.D

Acq: 22 Feb 2024 15:06

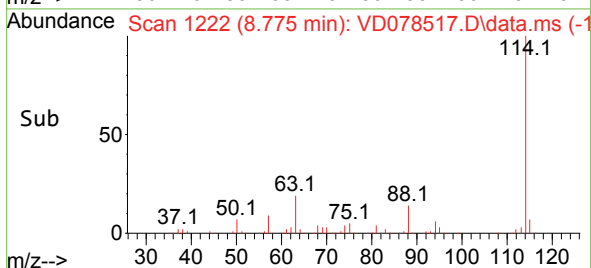
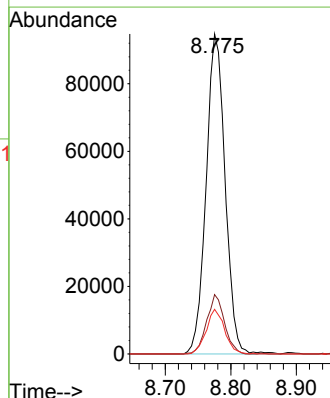
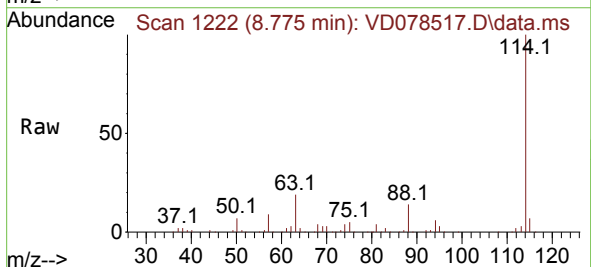
Tgt Ion: 114 Resp: 191093

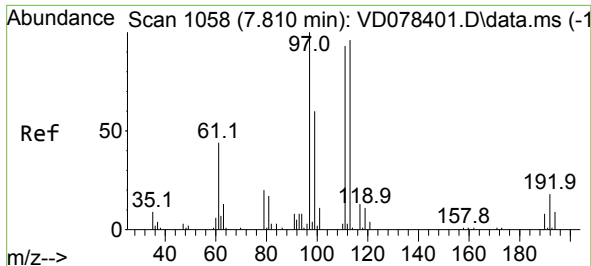
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

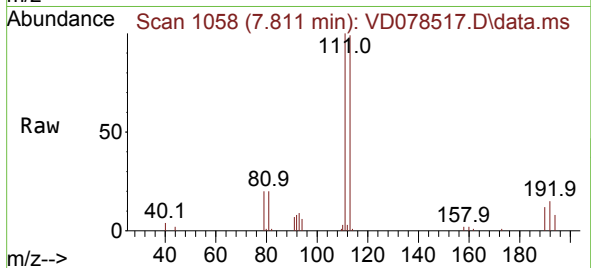
88 14.0 0.0 26.2



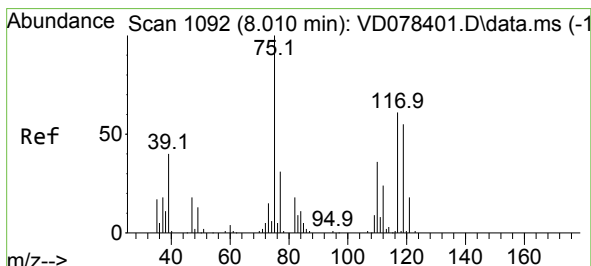
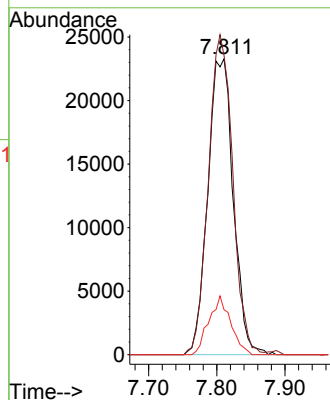
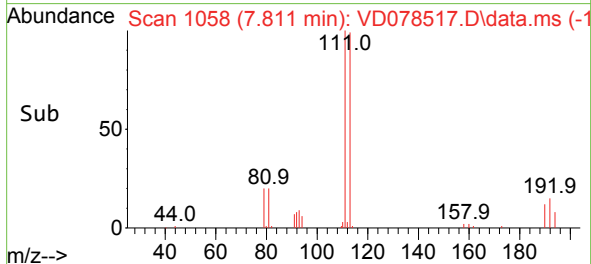


#35
Dibromofluoromethane
Concen: 50.057 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Instrument : MSVOA_D
ClientSampleId : 20241099-COMPOSITE-35N-N-4-04

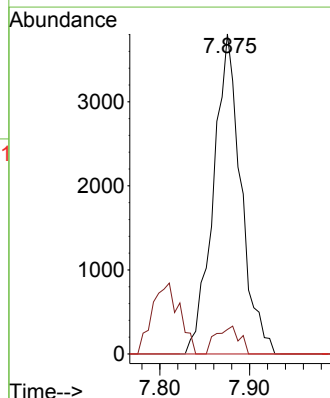
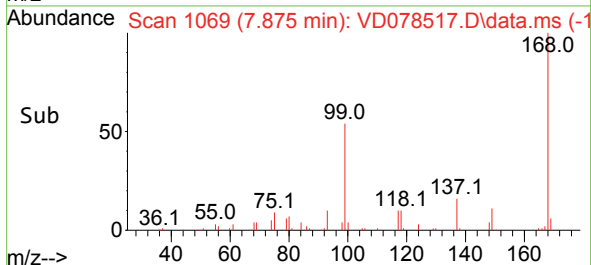
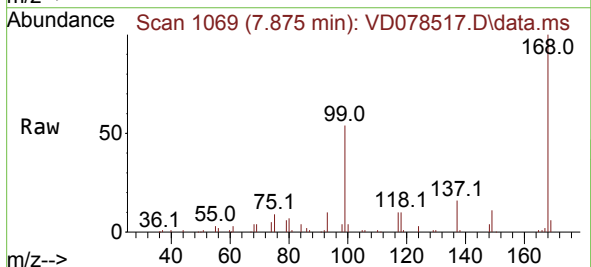


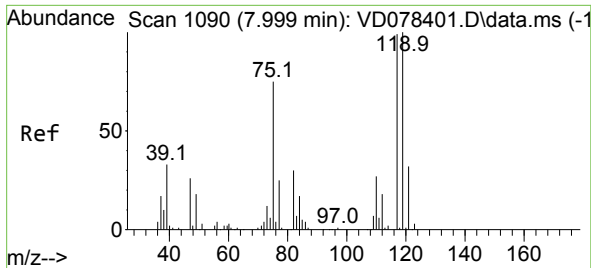
Tgt Ion:113 Resp: 60762
Ion Ratio Lower Upper
113 100
111 103.1 84.7 127.1
192 16.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.310 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

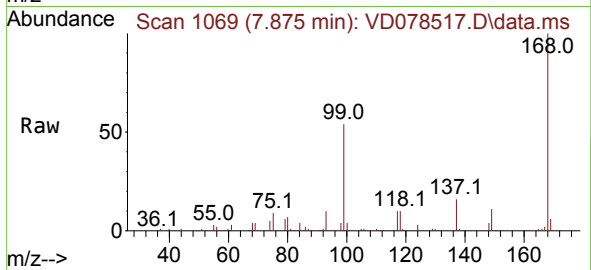
Tgt Ion: 75 Resp: 8128
Ion Ratio Lower Upper
75 100
110 7.3 19.9 59.6#
77 0.0 24.7 37.1#



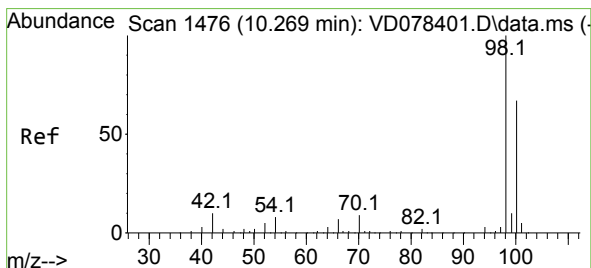
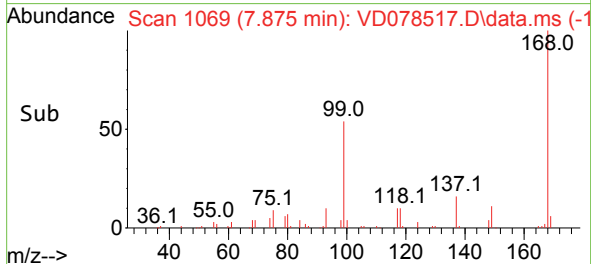
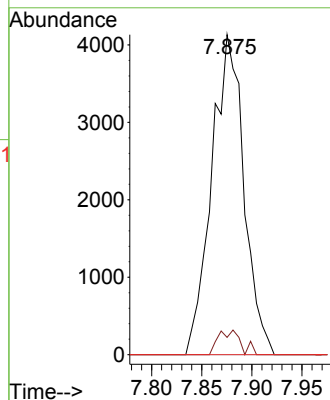


#38
Carbon Tetrachloride
Concen: 4.946 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Instrument : MSVOA_D
ClientSampleId : 20241099-COMPOSITE-35N-N-4-04

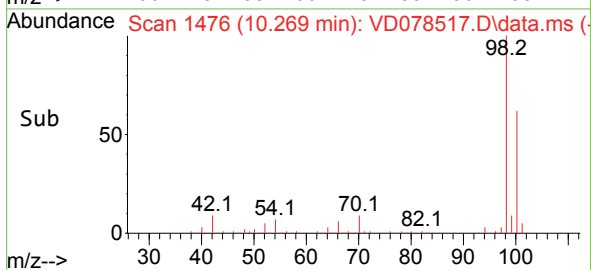
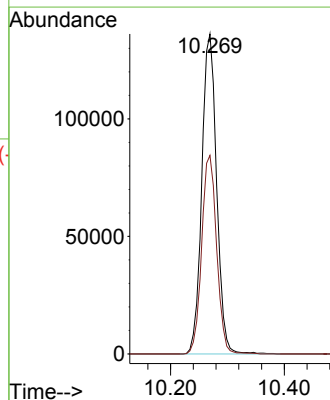
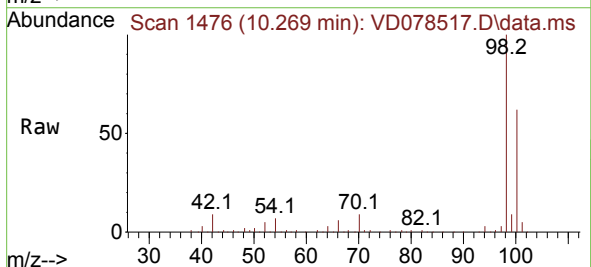


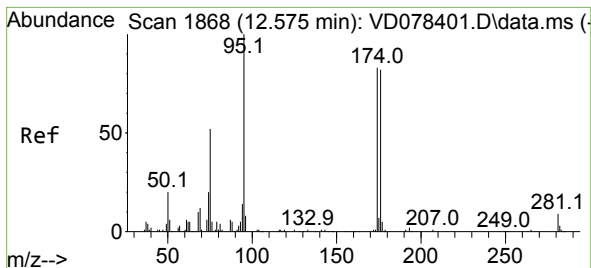
Tgt Ion:117 Resp: 9237
Ion Ratio Lower Upper
117 100
119 5.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078517.D
Acq: 22 Feb 2024 15:06

Tgt Ion: 98 Resp: 246163
Ion Ratio Lower Upper
98 100
100 62.7 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 62.198 ug/l

RT: 12.569 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VD078517.D

Acq: 22 Feb 2024 15:06

Instrument :

MSVOA_D

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04

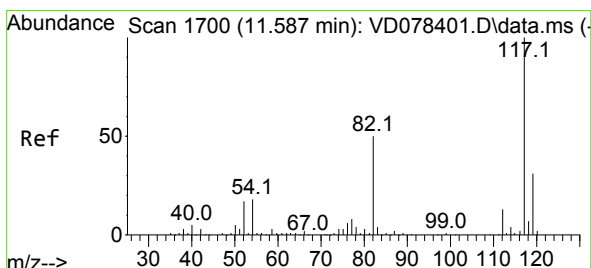
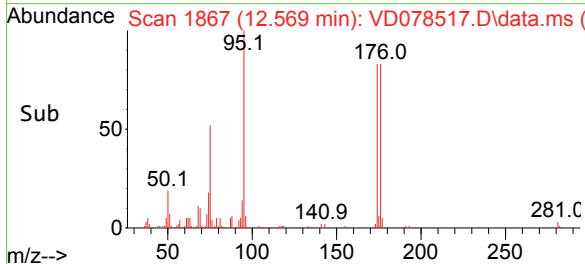
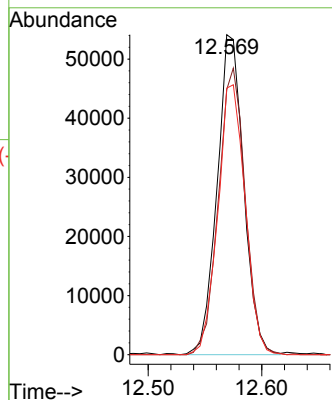
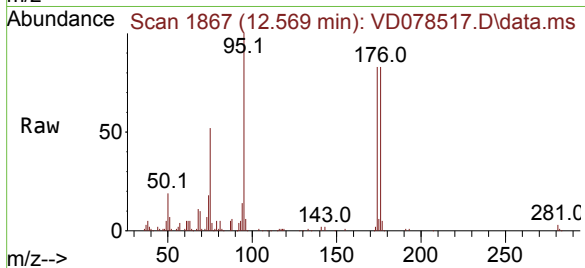
Tgt Ion: 95 Resp: 87889

Ion Ratio Lower Upper

95 100

174 90.6 0.0 201.8

176 86.7 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: VD078517.D

Acq: 22 Feb 2024 15:06

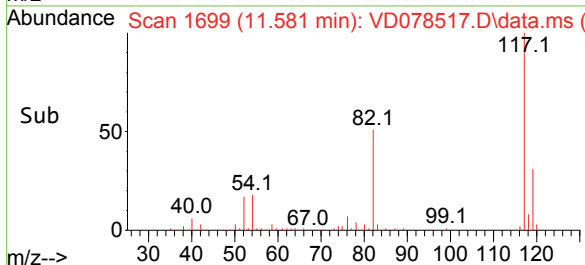
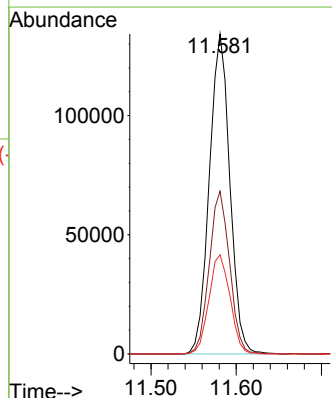
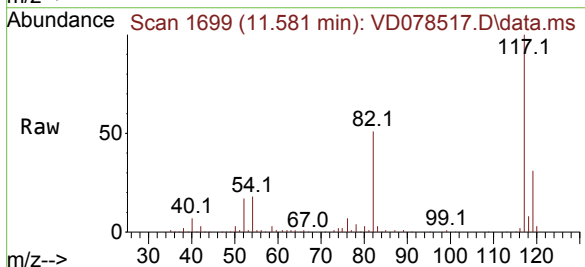
Tgt Ion: 117 Resp: 224689

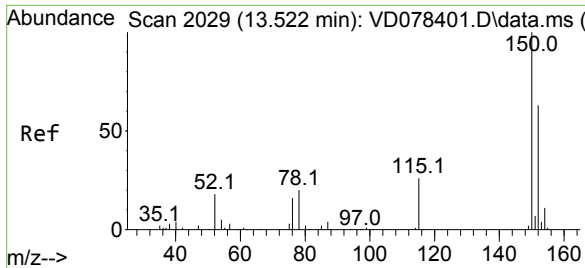
Ion Ratio Lower Upper

117 100

82 50.9 38.3 57.5

119 31.0 25.0 37.4

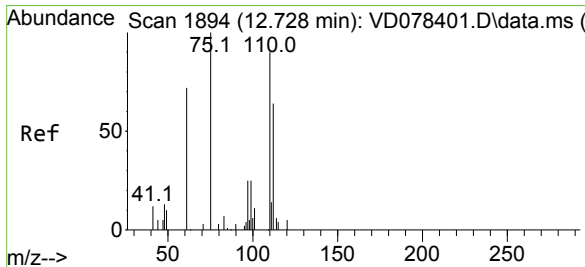
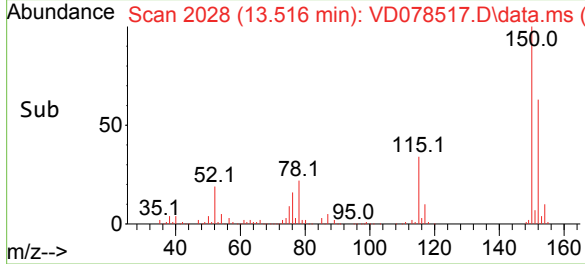
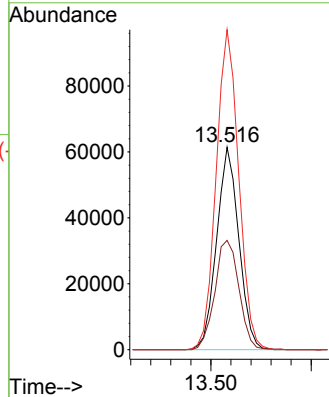
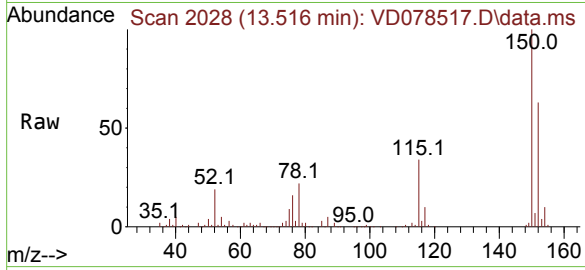




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078517.D
 Acq: 22 Feb 2024 15:06

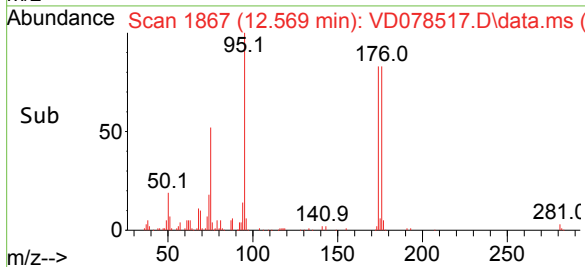
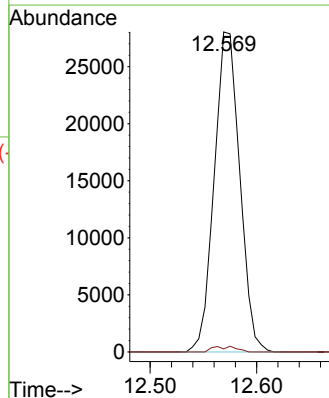
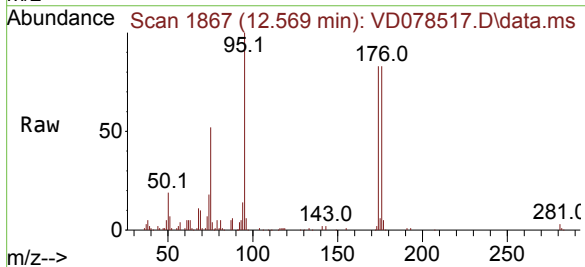
Instrument :
 MSVOA_D
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04

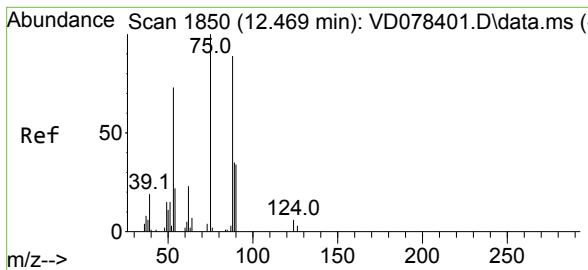
Tgt Ion:152 Resp: 94412
 Ion Ratio Lower Upper
 152 100
 115 58.7 27.1 81.3
 150 160.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 58.159 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.159 min
 Lab File: VD078517.D
 Acq: 22 Feb 2024 15:06

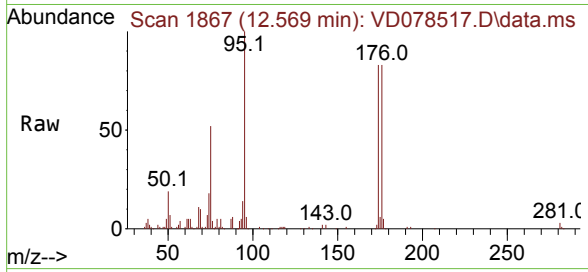
Tgt Ion: 75 Resp: 46616
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.739 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD078517.D
 Acq: 22 Feb 2024 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04



Tgt Ion:	75	Resp:	46616
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

