

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011023\
 Data File : VN076178.D
 Acq On : 10 Jan 2023 13:14
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 11 01:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

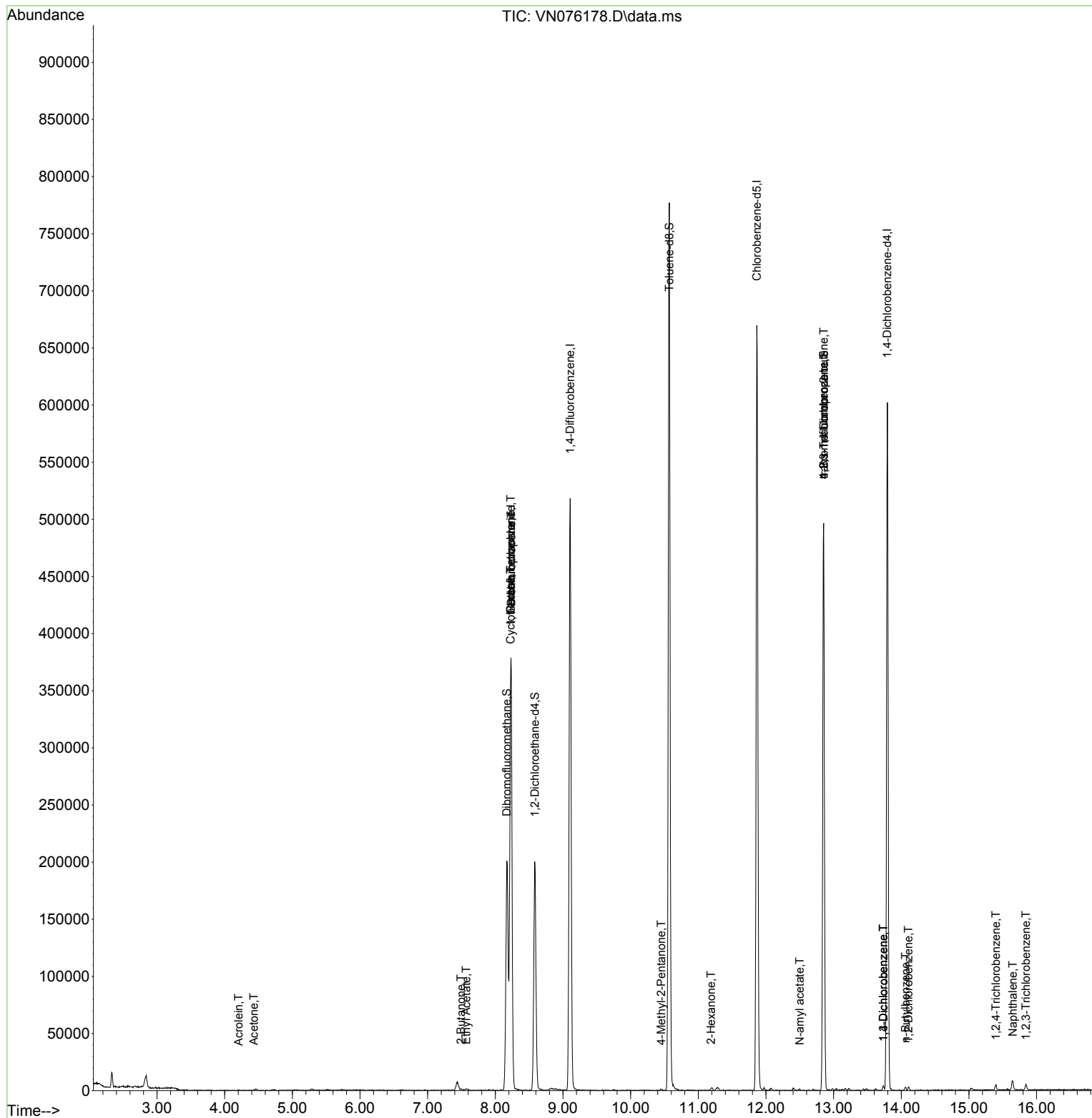
Internal Standards						
1) Pentafluorobenzene	8.230	168	292537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	475275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	413579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	159932	50.253	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.500%		
35) Dibromofluoromethane	8.171	113	142294	48.345	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.680%		
50) Toluene-d8	10.571	98	550194	49.996	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.000%		
62) 4-Bromofluorobenzene	12.853	95	165064	45.287	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.580%		
Target Compounds						
					Qvalue	
13) Acrolein	4.206	56	137	0.248	ug/l #	70
16) Acetone	4.430	43	572	0.521	ug/l #	39
20) Methylene Chloride	5.283	84	645	Below Cal	#	72
25) 2-Butanone	7.494	43	1322	0.861	ug/l #	69
31) Cyclohexane	8.224	56	6153	1.350	ug/l #	3
36) 1,1-Dichloropropene	8.236	75	20844	5.331	ug/l #	47
37) Ethyl Acetate	7.571	43	2220	0.707	ug/l #	74
38) Carbon Tetrachloride	8.230	117	29421	6.723	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	921	0.294	ug/l #	68
59) 2-Hexanone	11.188	43	1785	0.781	ug/l	90
74) N-amyl acetate	12.500	43	874	0.242	ug/l #	69
76) 1,2,3-Trichloropropane	12.853	75	87226	25.415	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87226	91.483	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1491	0.259	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1491	0.254	ug/l	93
89) n-Butylbenzene	14.065	91	2229	0.264	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	1758	0.310	ug/l	88
93) 1,2,4-Trichlorobenzene	15.400	180	1891	0.674	ug/l	94
95) Naphthalene	15.647	128	9345	3.142	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	2255	0.860	ug/l	93

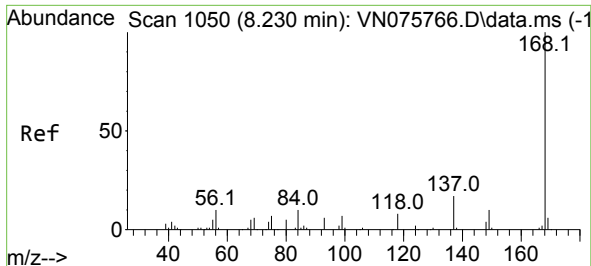
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

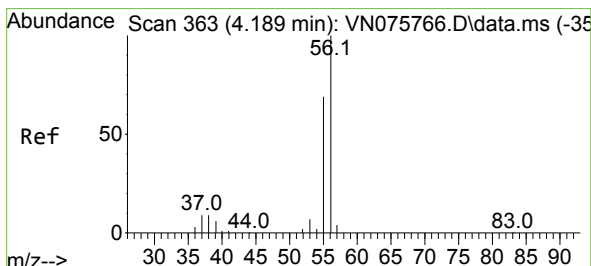
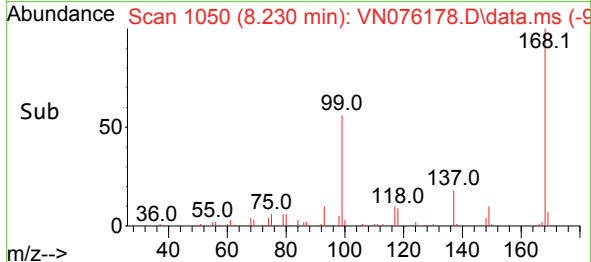
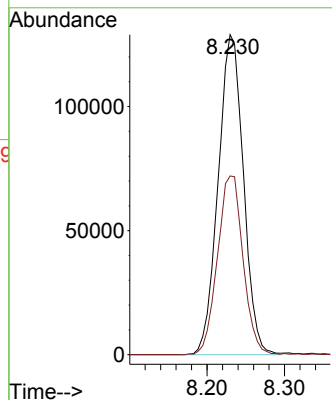
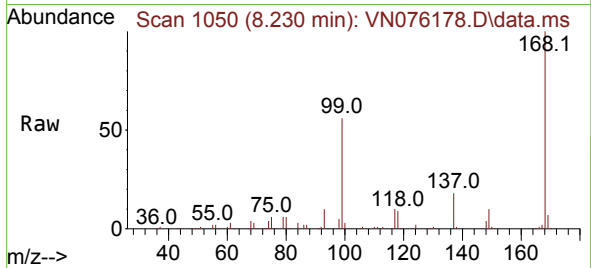




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

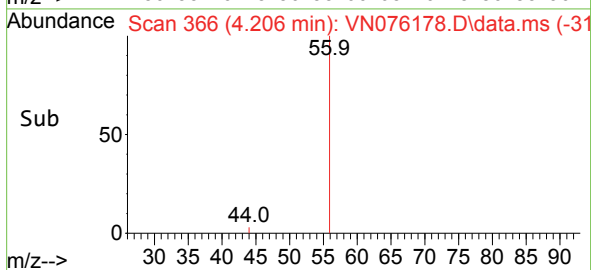
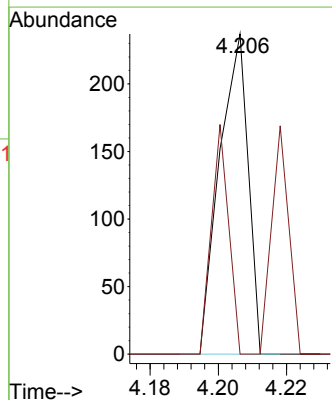
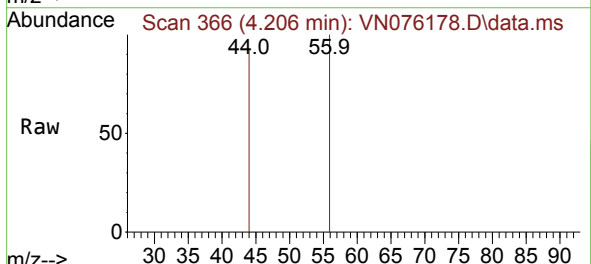
Instrument :
MSVOA_N
ClientSampleId :

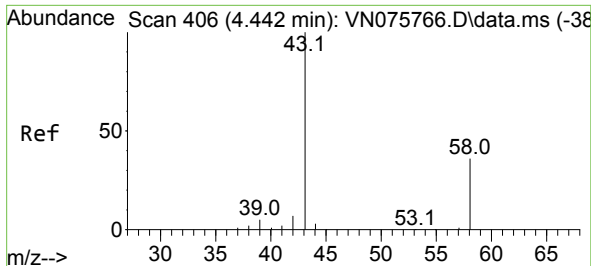
Tgt Ion:168 Resp: 292537
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#13
Acrolein
Concen: 0.248 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.018 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 43.8 54.8 82.2#

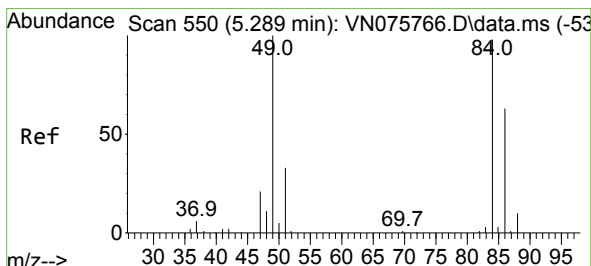
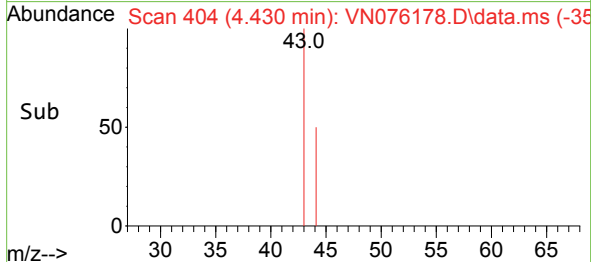
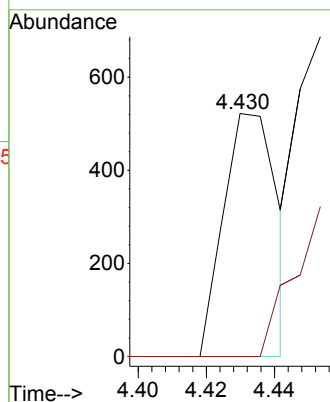
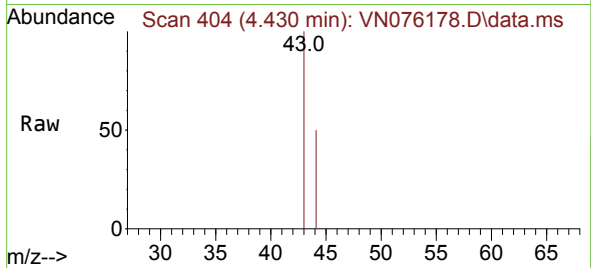




#16
Acetone
Concen: 0.521 ug/l
RT: 4.430 min Scan# 406
Delta R.T. -0.012 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

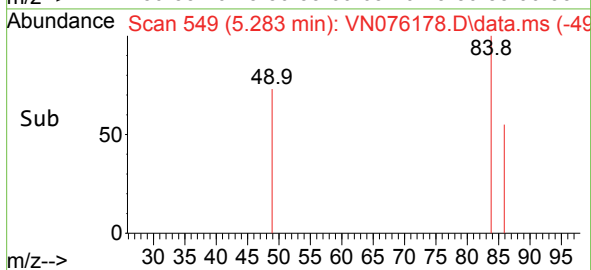
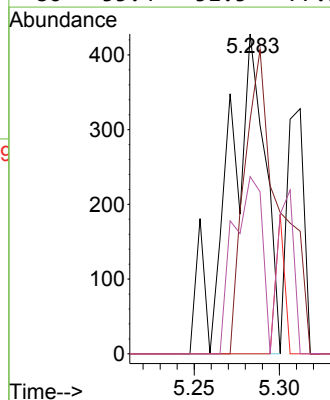
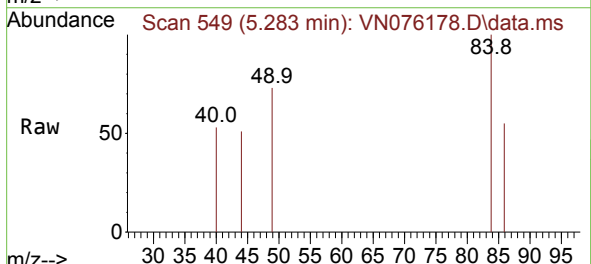
Instrument :
MSVOA_N
ClientSampleId :

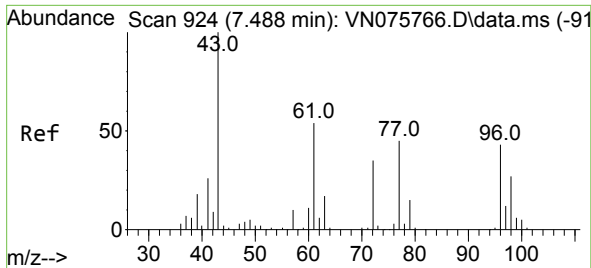
Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 84 Resp: 645
Ion Ratio Lower Upper
84 100
49 73.1 81.8 122.6#
51 0.0 26.7 40.1#
86 55.4 51.5 77.3

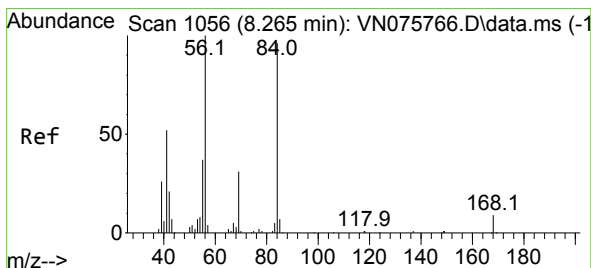
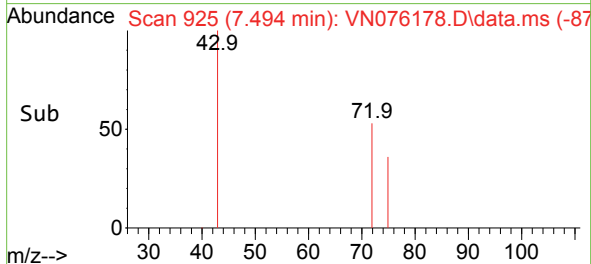
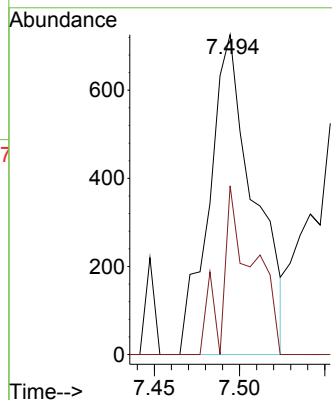
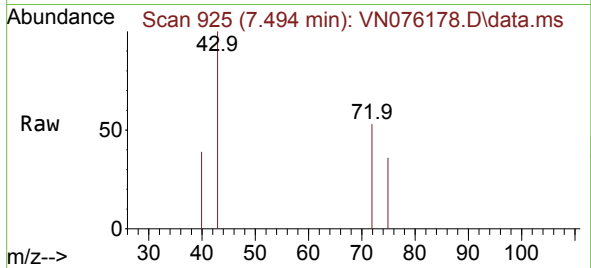




#25
2-Butanone
Concen: 0.861 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

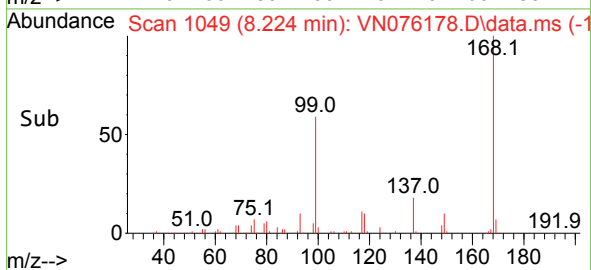
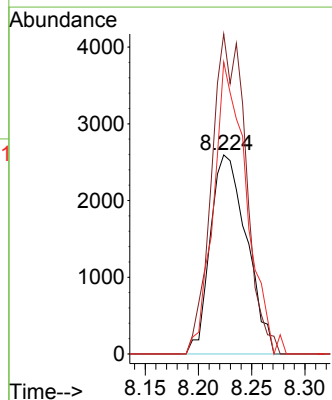
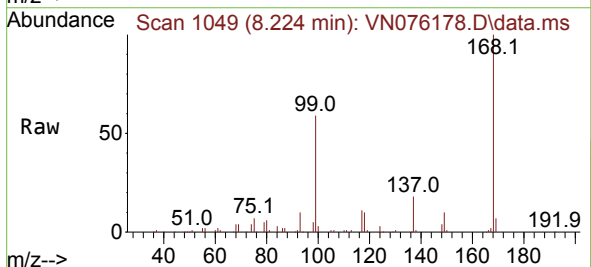
Instrument :
MSVOA_N
ClientSampleId :

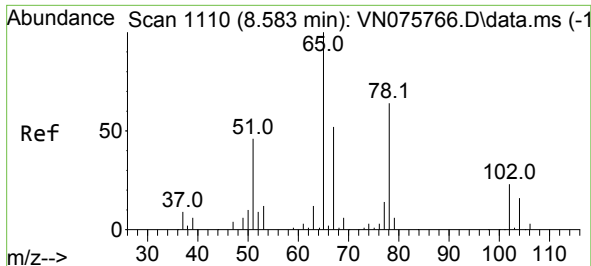
Tgt Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
72 52.8 28.0 42.0#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 56 Resp: 6153
Ion Ratio Lower Upper
56 100
69 160.8 24.7 37.1#
84 146.7 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 50.253 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076178.D

Acq: 10 Jan 2023 13:14

Instrument :

MSVOA_N

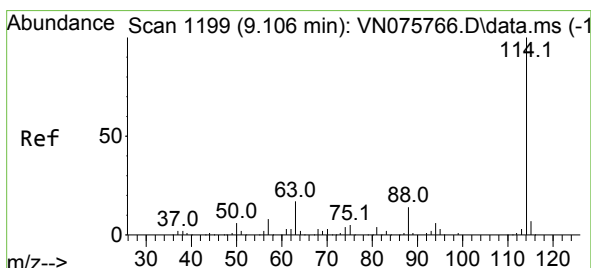
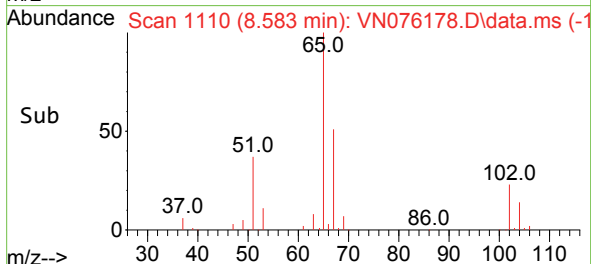
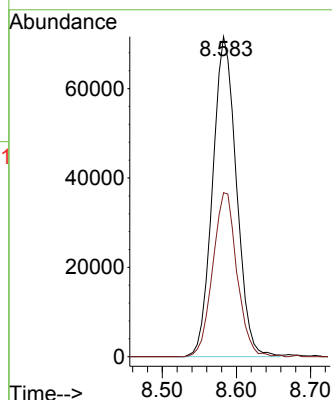
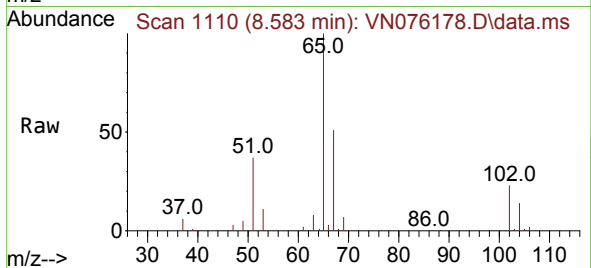
ClientSampleId :

Tgt Ion: 65 Resp: 159932

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076178.D

Acq: 10 Jan 2023 13:14

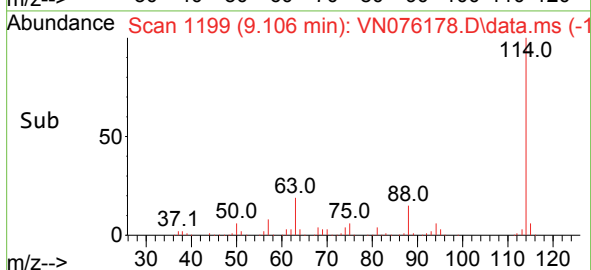
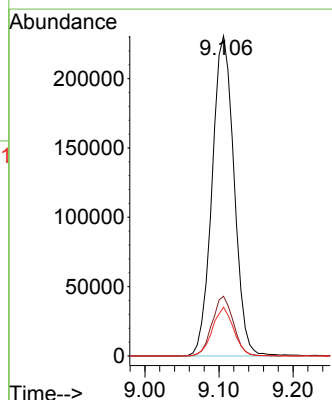
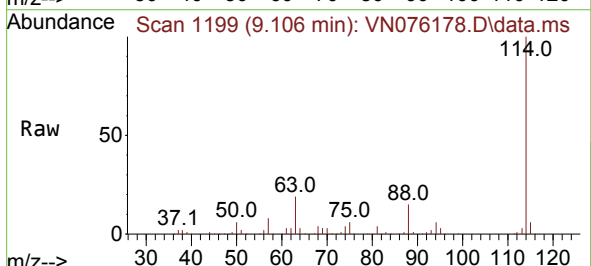
Tgt Ion:114 Resp: 475275

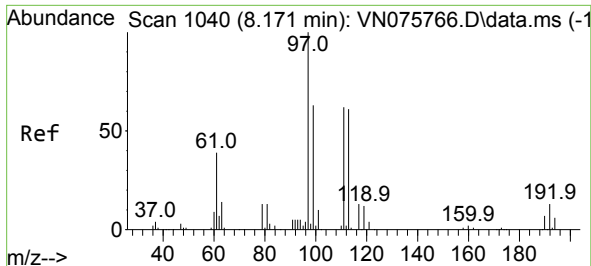
Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.4

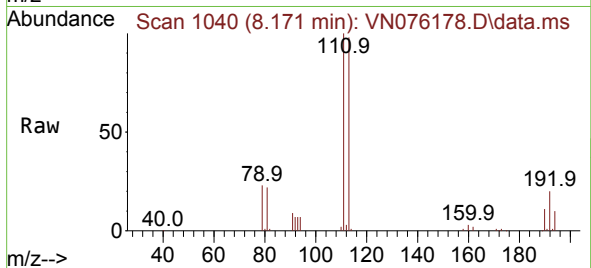
88 15.3 0.0 28.8



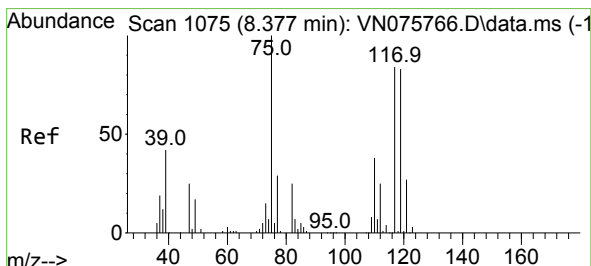
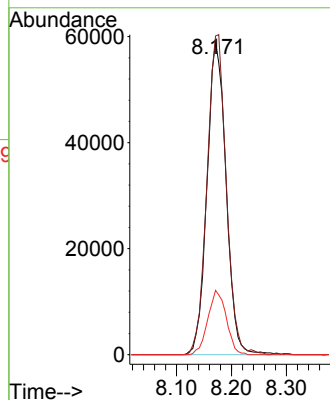
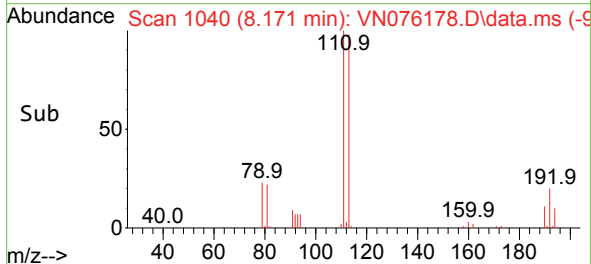


#35
Dibromofluoromethane
Concen: 48.345 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Instrument :
MSVOA_N
ClientSampleId :

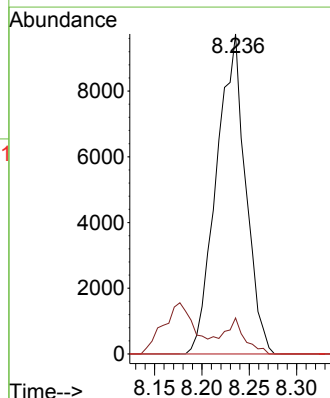
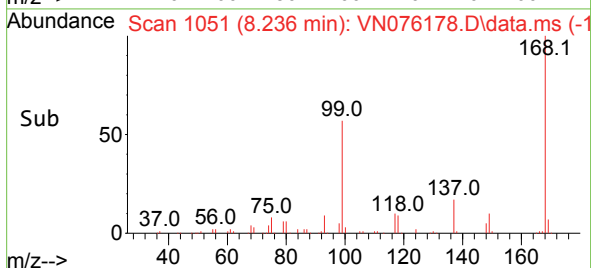
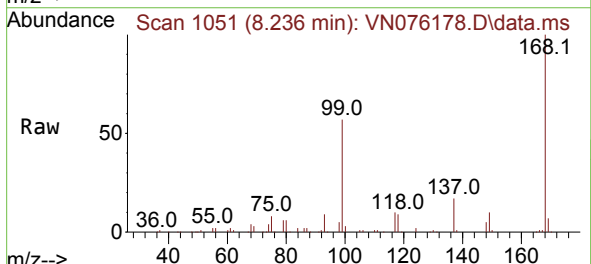


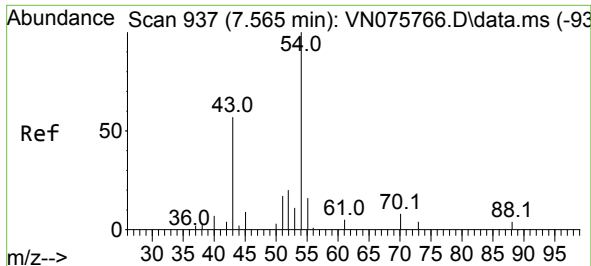
Tgt Ion:113 Resp: 142294
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.2
192 19.9 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.331 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

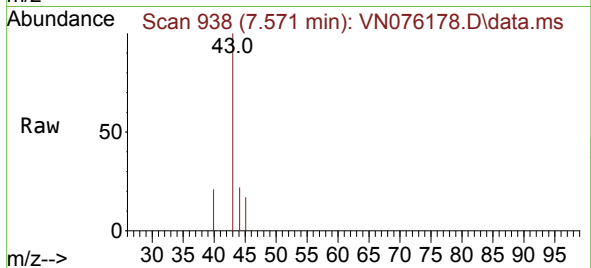
Tgt Ion: 75 Resp: 20844
Ion Ratio Lower Upper
75 100
110 6.9 18.8 56.4#
77 0.0 24.1 36.1#



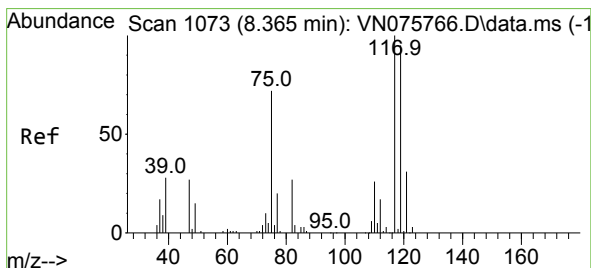
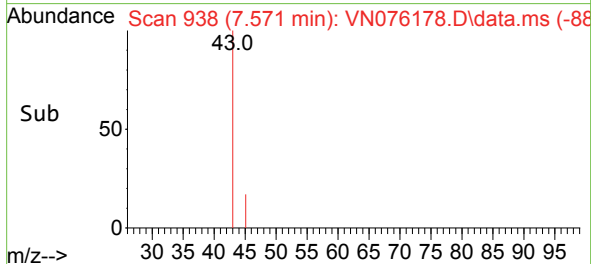
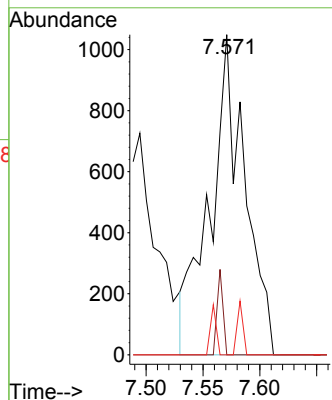


#37
Ethyl Acetate
Concen: 0.707 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Instrument :
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ClientSampleId :

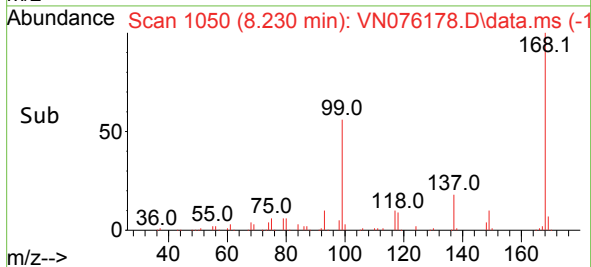
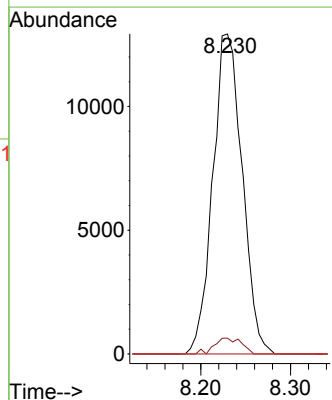
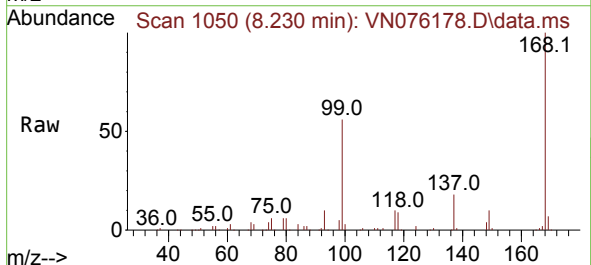


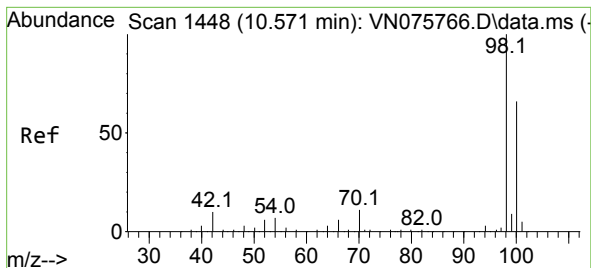
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
61 4.5 13.0 19.4#
70 2.6 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.723 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 117 Resp: 29421
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.5 36.7#

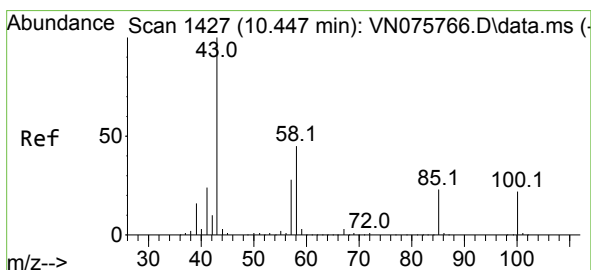
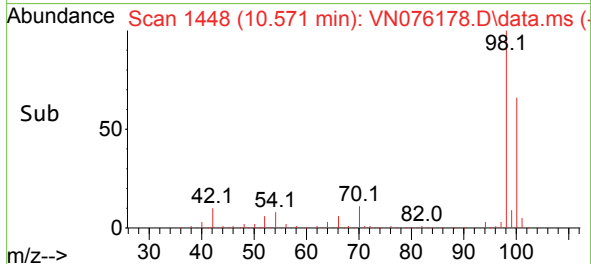
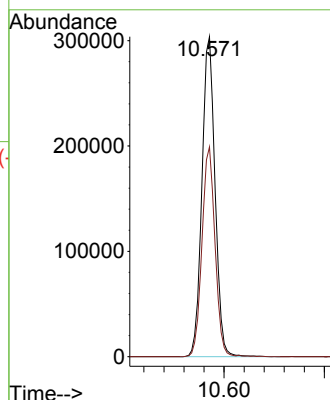
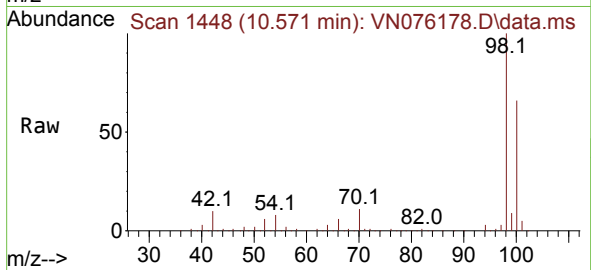




#50
Toluene-d8
Concen: 49.996 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

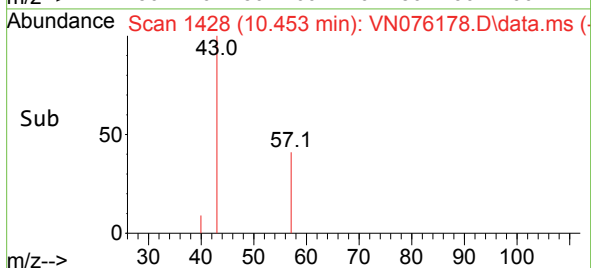
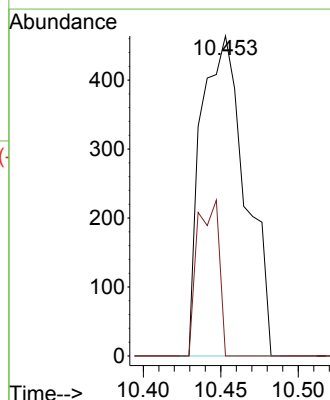
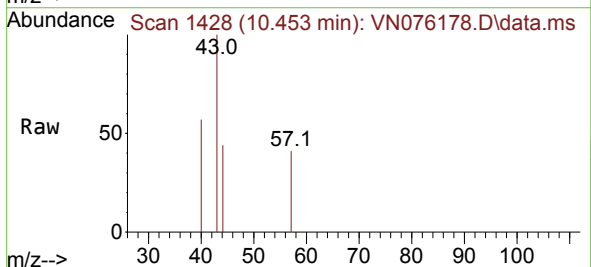
Instrument :
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ClientSampleId :

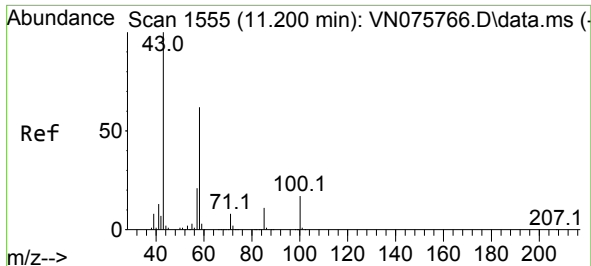
Tgt Ion: 98 Resp: 550194
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

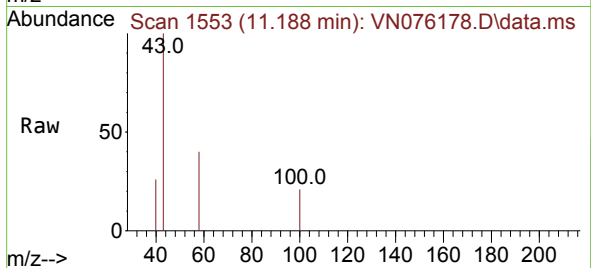
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 23.9 35.5 53.3#



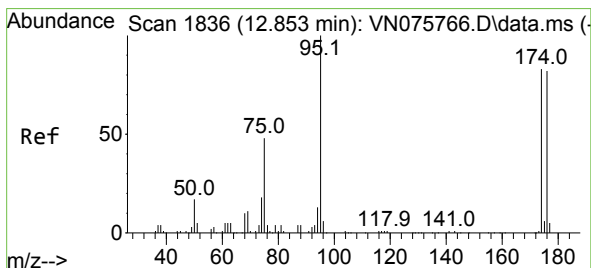
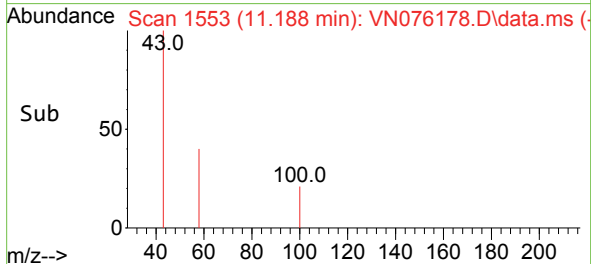
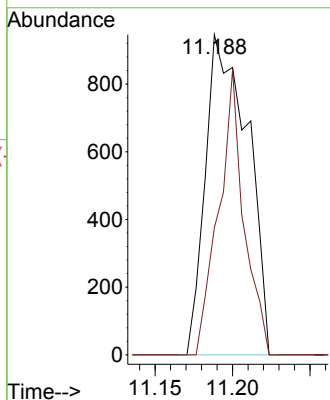


#59
2-Hexanone
Concen: 0.781 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Instrument :
MSVOA_N
ClientSampleId :

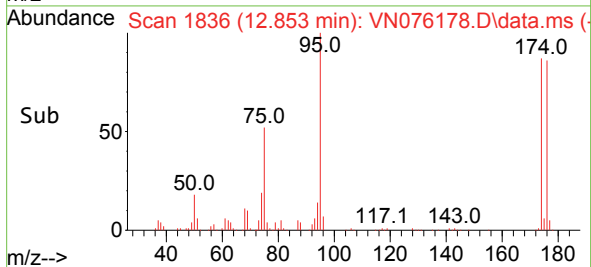
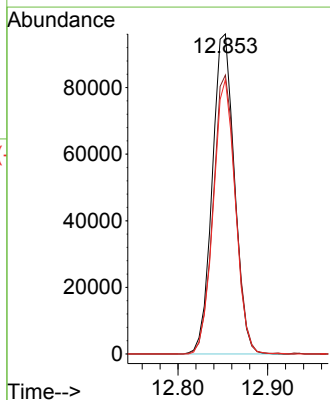
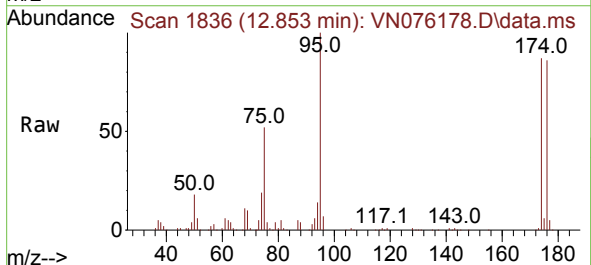


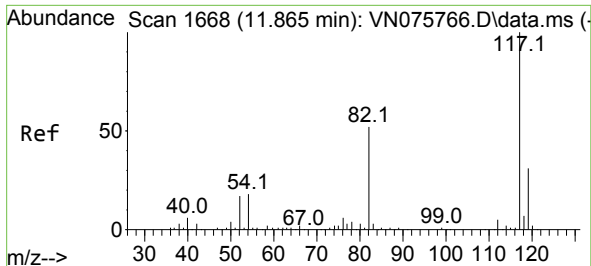
Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
58 53.3 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 45.287 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 95 Resp: 165064
Ion Ratio Lower Upper
95 100
174 88.2 0.0 171.6
176 84.8 0.0 169.2

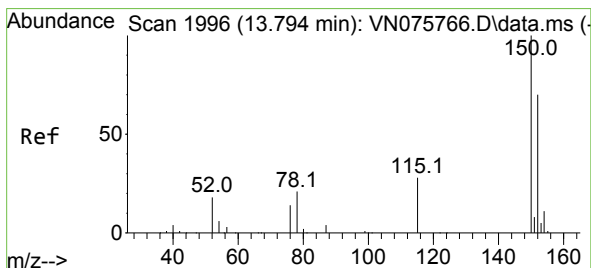
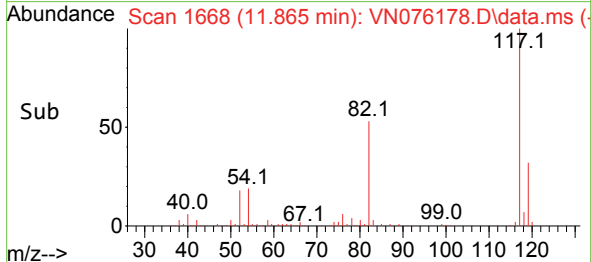
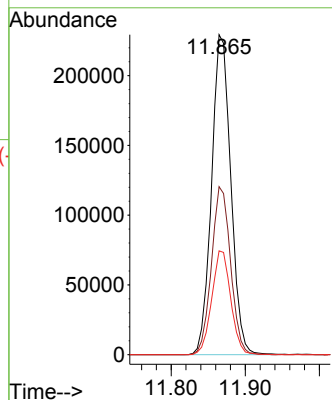
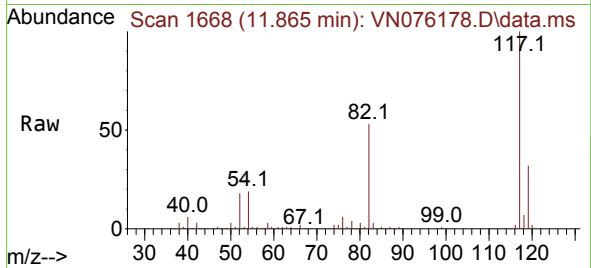




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

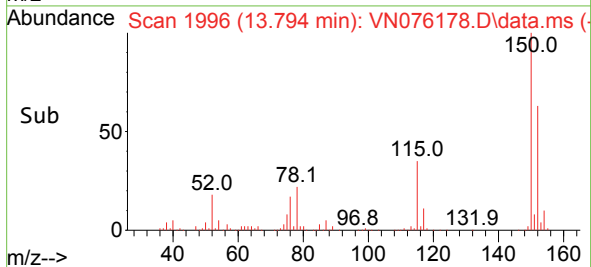
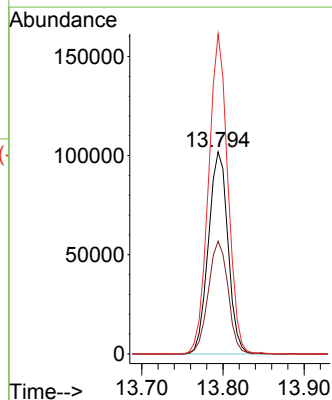
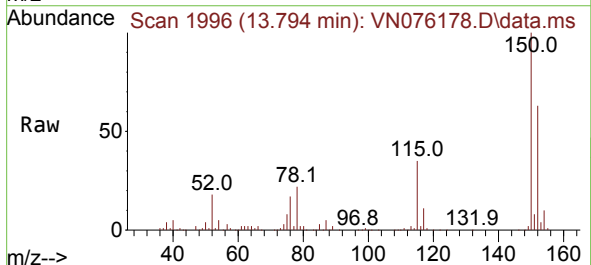
Instrument :
MSVOA_N
ClientSampleId :

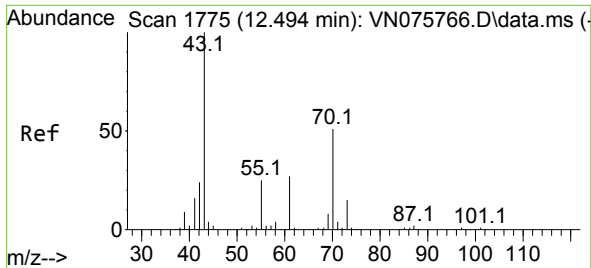
Tgt Ion:117 Resp: 413579
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 32.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion:152 Resp: 170259
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.4
150 156.4 0.0 347.0

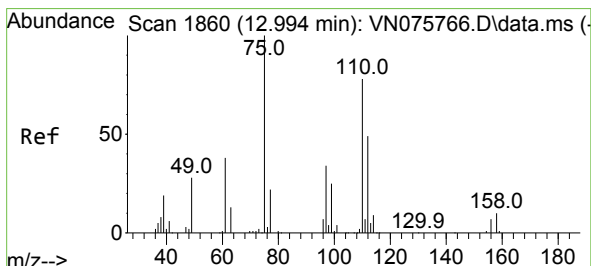
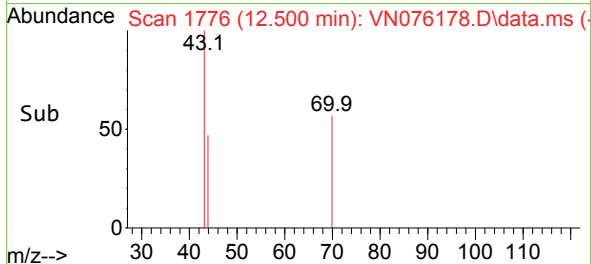
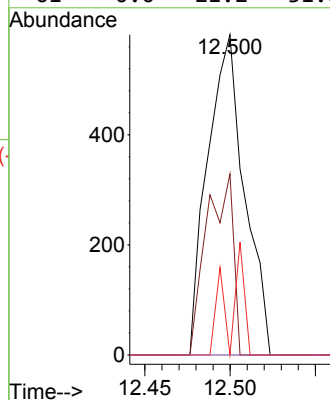
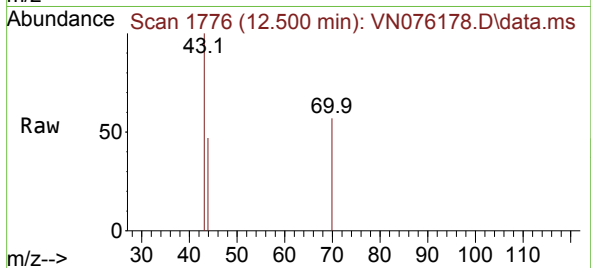




#74
N-amy1 acetate
Concen: 0.242 ug/l
RT: 12.500 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

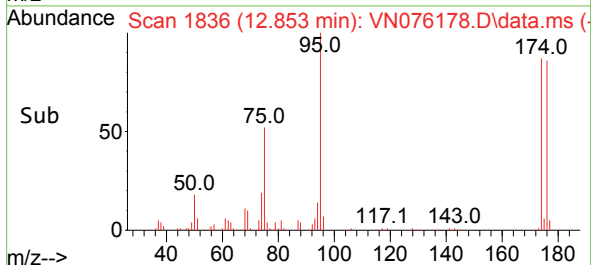
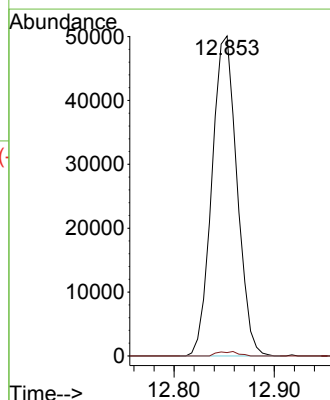
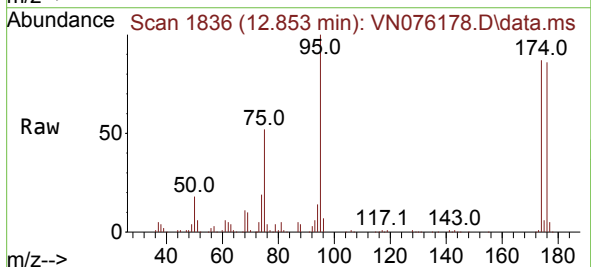
Instrument :
MSVOA_N
ClientSampleId :

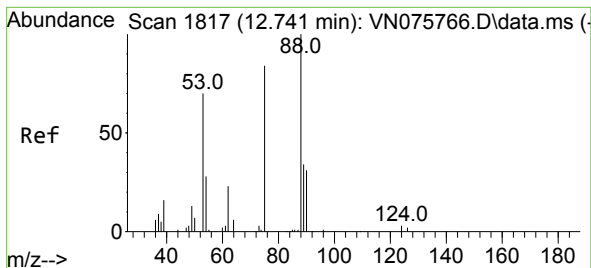
Tgt Ion: 43	Resp: 874
Ion Ratio	Lower Upper
43 100	
70 41.0	41.4 62.0#
55 6.4	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.415 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 75	Resp: 87226
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

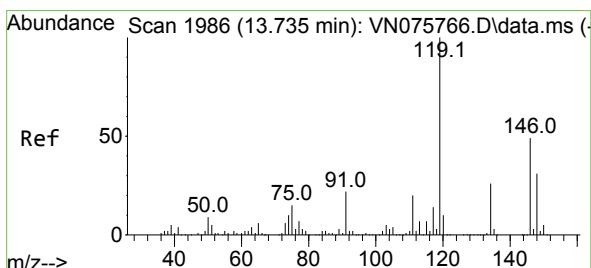
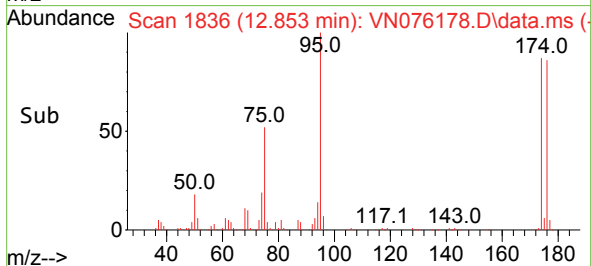
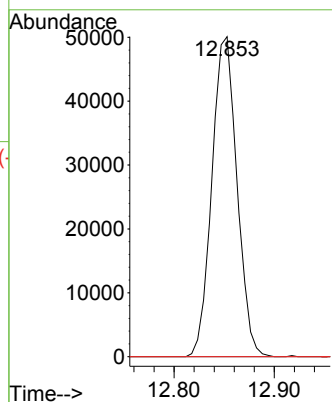
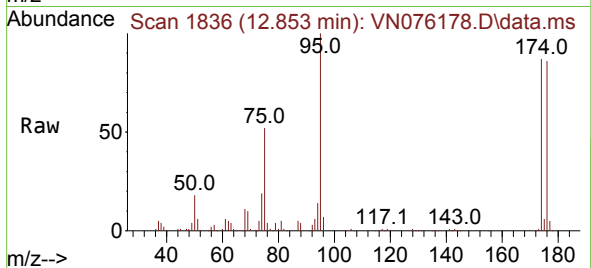




#81
trans-1,4-Dichloro-2-butene
Concen: 91.483 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

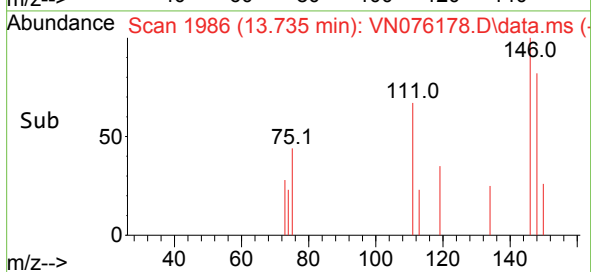
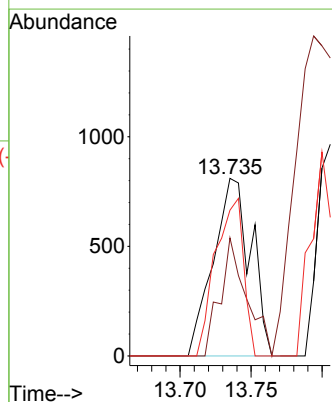
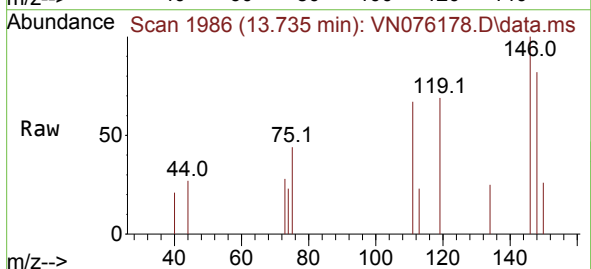
Instrument :
MSVOA_N
ClientSampleId :

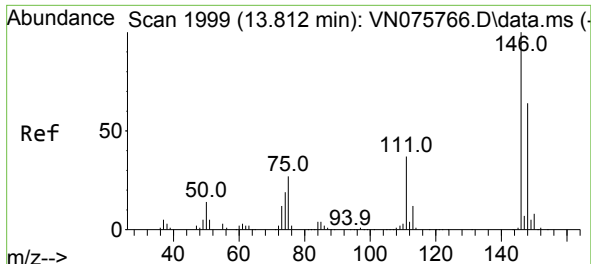
Tgt Ion: 75 Resp: 87226
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion:146 Resp: 1491
Ion Ratio Lower Upper
146 100
111 47.1 19.7 59.0
148 66.3 31.4 94.2

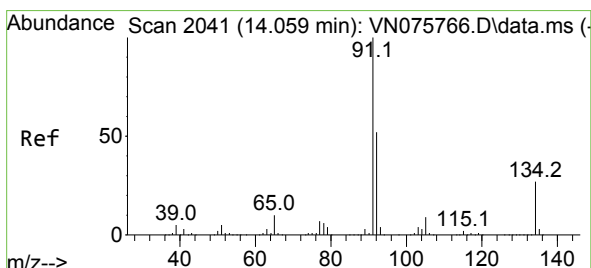
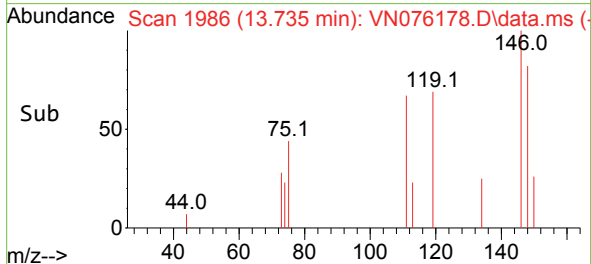
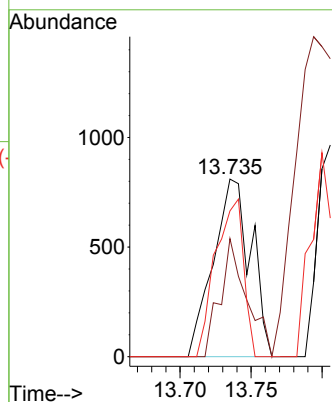
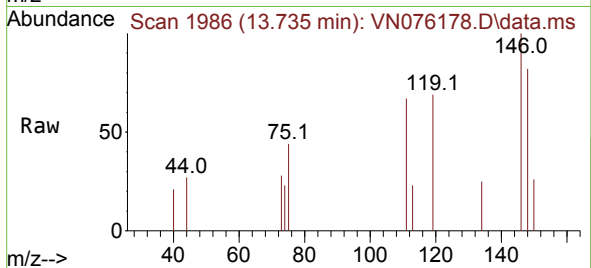




#88
1,4-Dichlorobenzene
Concen: 0.254 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

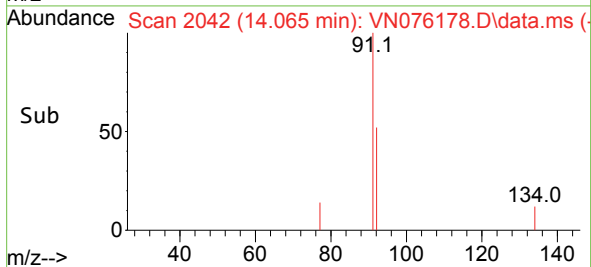
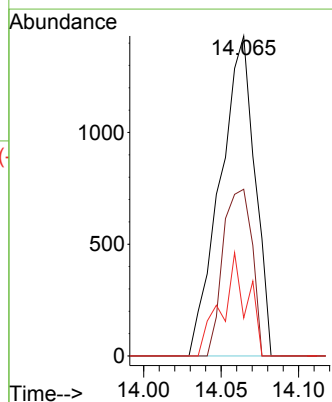
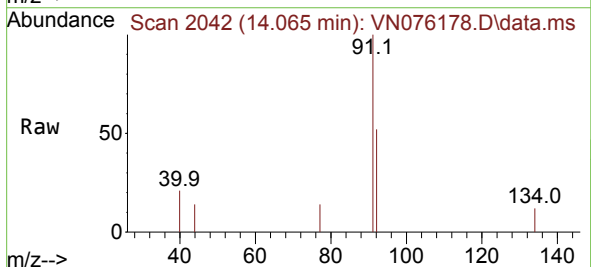
Instrument :
MSVOA_N
ClientSampleId :

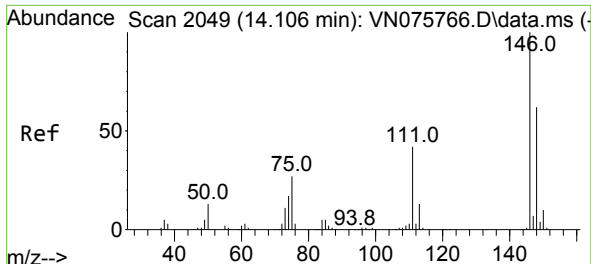
Tgt Ion:146 Resp: 1491
Ion Ratio Lower Upper
146 100
111 47.1 19.1 57.1
148 66.3 32.0 96.2



#89
n-Butylbenzene
Concen: 0.264 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion: 91 Resp: 2229
Ion Ratio Lower Upper
91 100
92 43.6 26.4 79.2
134 23.8 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.310 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. 0.000 min

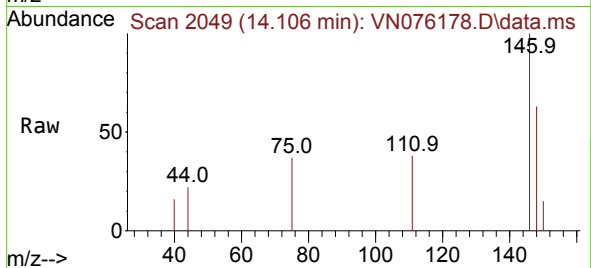
Lab File: VN076178.D

Acq: 10 Jan 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :



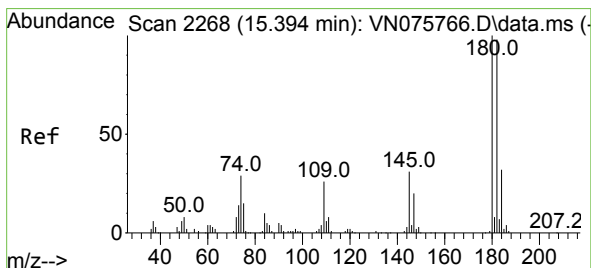
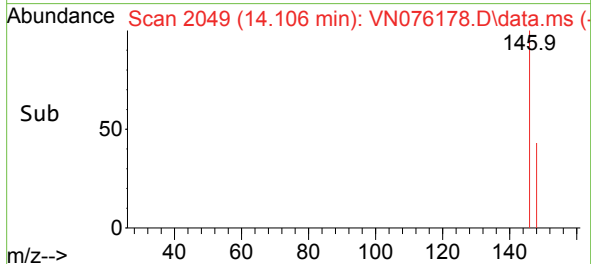
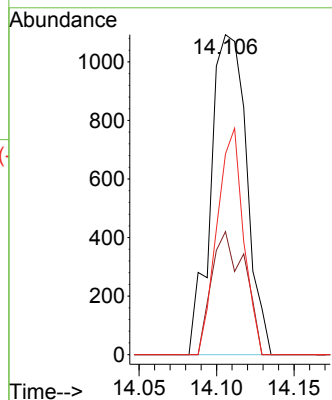
Tgt Ion:146 Resp: 1758

Ion Ratio Lower Upper

146 100

111 35.4 20.3 61.0

148 52.2 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.674 ug/l

RT: 15.400 min Scan# 2269

Delta R.T. 0.006 min

Lab File: VN076178.D

Acq: 10 Jan 2023 13:14

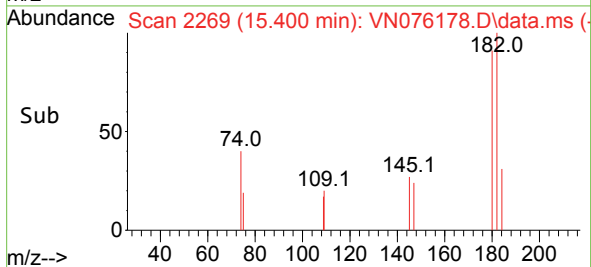
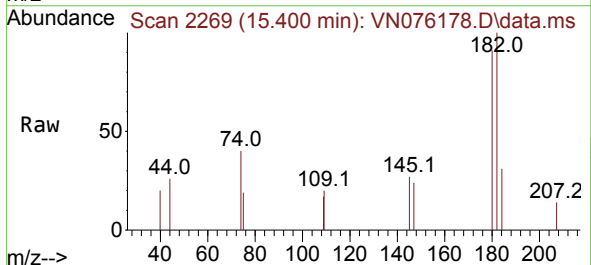
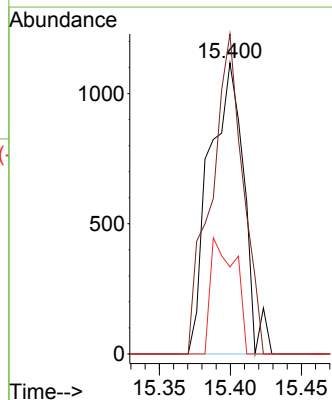
Tgt Ion:180 Resp: 1891

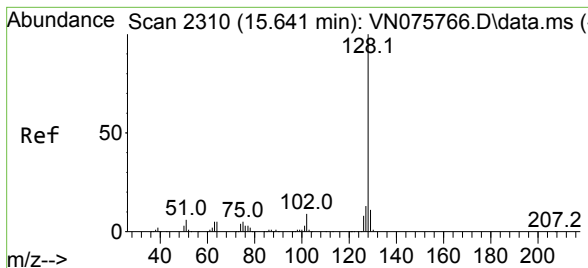
Ion Ratio Lower Upper

180 100

182 101.3 47.5 142.5

145 28.6 15.3 45.8

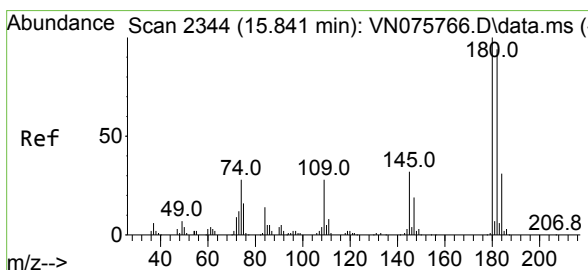
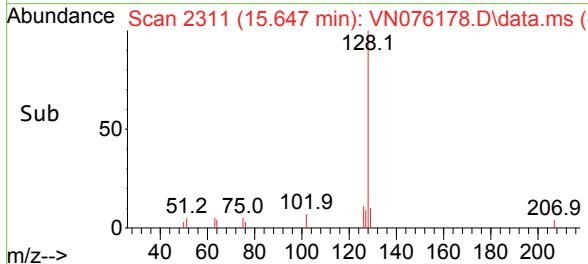
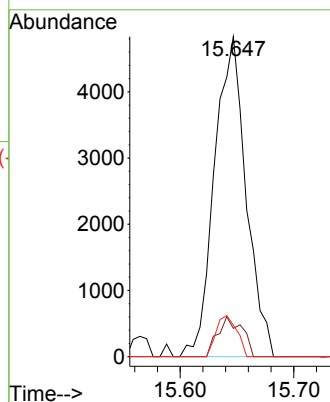
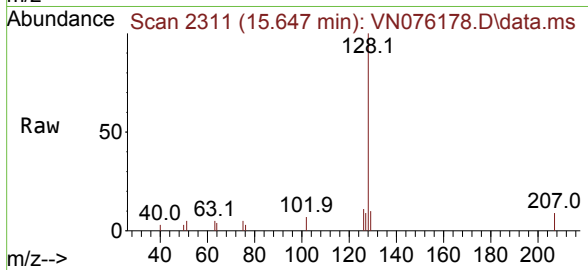




#95
Naphthalene
Concen: 3.142 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 9345
Ion Ratio Lower Upper
128 100
127 9.5 10.4 15.6#
129 8.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.860 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN076178.D
Acq: 10 Jan 2023 13:14

Tgt Ion:180 Resp: 2255
Ion Ratio Lower Upper
180 100
182 90.1 47.0 141.0
145 22.1 16.0 47.9

