

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077773.D
 Acq On : 19 May 2023 18:46
 Operator : JC\MD
 Sample : 02862-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-258-260

Quant Time: May 29 09:52:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

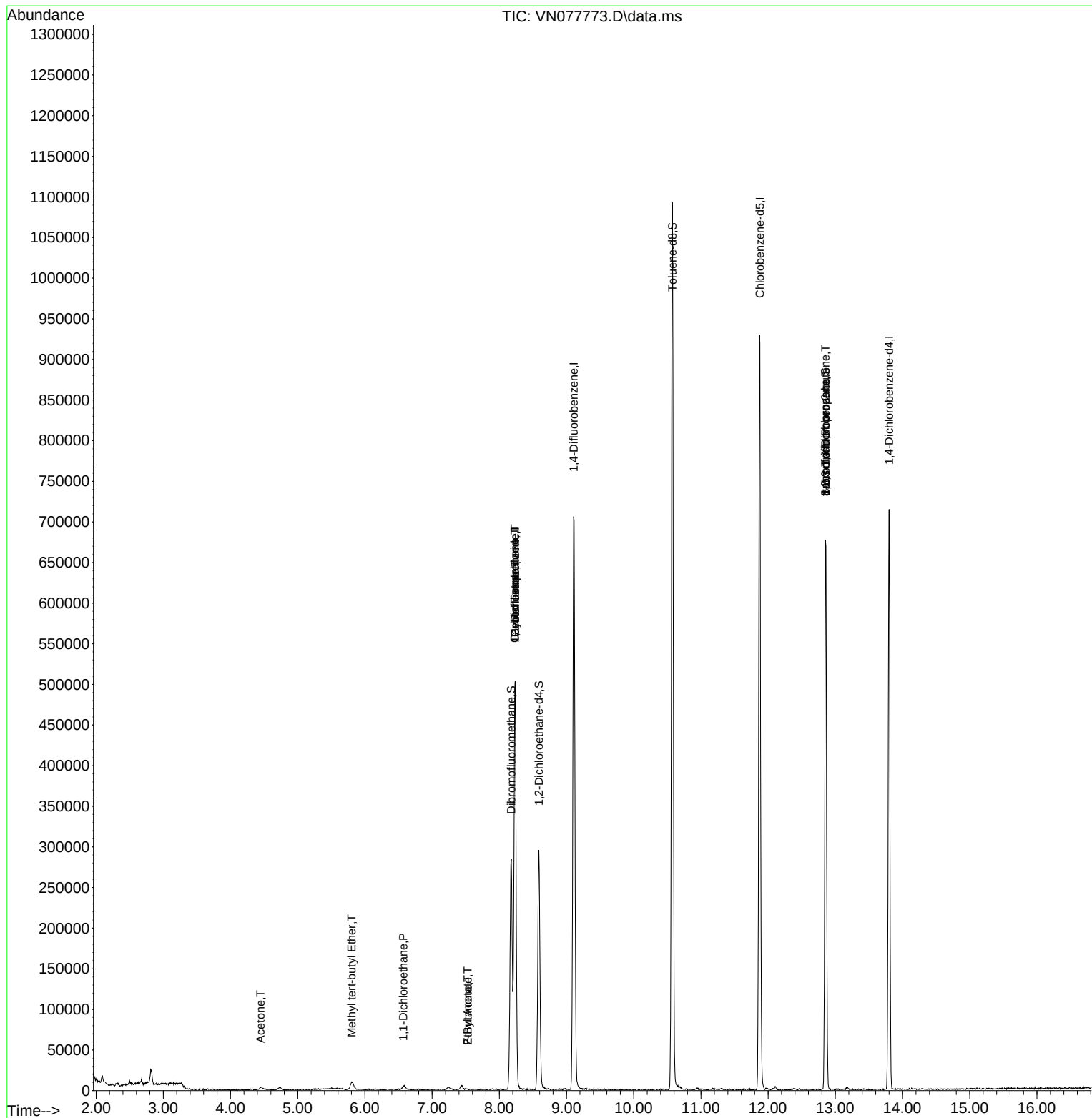
Internal Standards						
1) Pentafluorobenzene	8.236	168	368310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	565904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	191088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	241580	43.837	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.680%		
35) Dibromofluoromethane	8.177	113	205358	47.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.960%		
50) Toluene-d8	10.577	98	794474	48.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.460%		
62) 4-Bromofluorobenzene	12.853	95	251835	43.284	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1228	Below Cal	#	83
13) Acrolein	4.183	56	153	Below Cal	#	16
16) Acetone	4.448	43	4682	2.700	ug/l #	72
19) Methyl tert-butyl Ether	5.800	73	15334	1.094	ug/l	98
20) Methylene Chloride	5.277	84	73	Below Cal	#	13
24) 1,1-Dichloroethane	6.571	63	8179	1.001	ug/l #	81
25) 2-Butanone	7.530	43	1692	0.624	ug/l #	37
31) Cyclohexane	8.236	56	8597	1.148	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	30456	4.865	ug/l #	49
37) Ethyl Acetate	7.530	43	1692	0.303	ug/l #	63
38) Carbon Tetrachloride	8.230	117	39944	6.319	ug/l #	15
71) Bromoform	12.853	173	1659	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	129976	27.160	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	129976	86.818	ug/l #	15

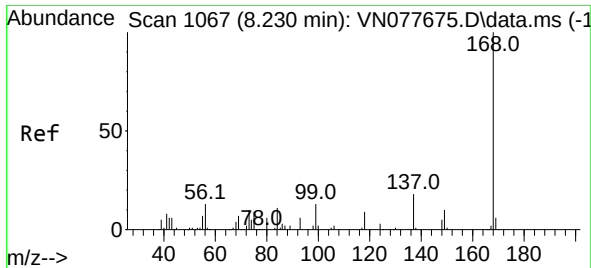
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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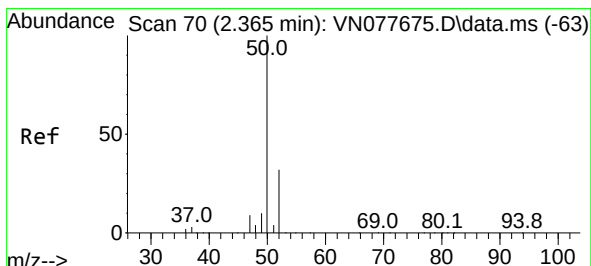
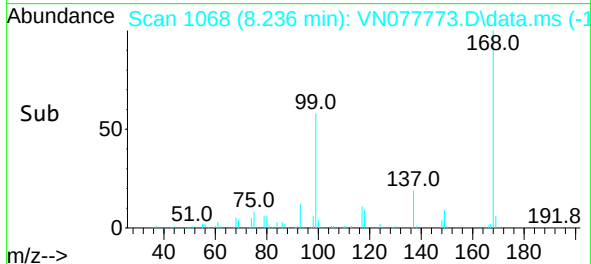
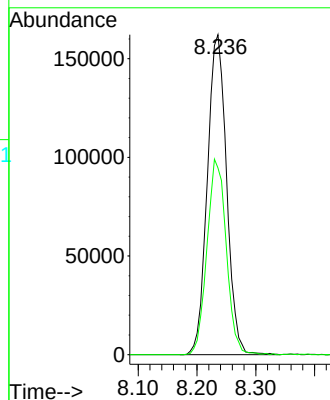
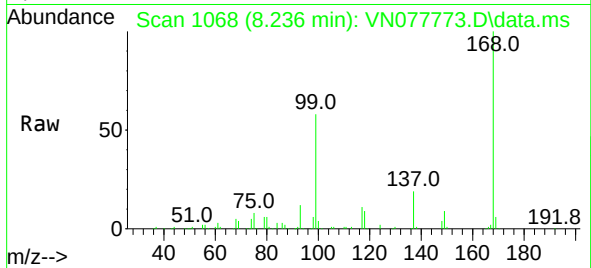




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

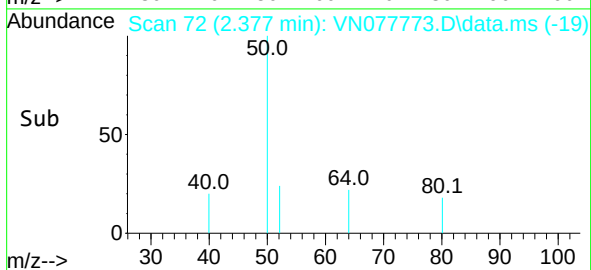
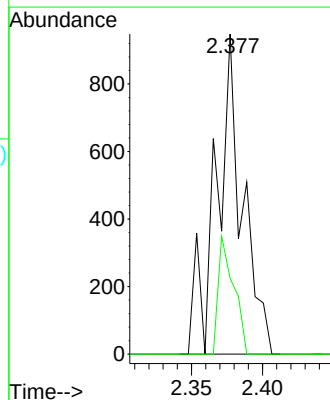
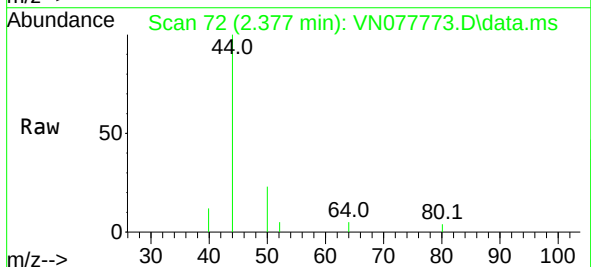
Instrument :
MSVOA_N
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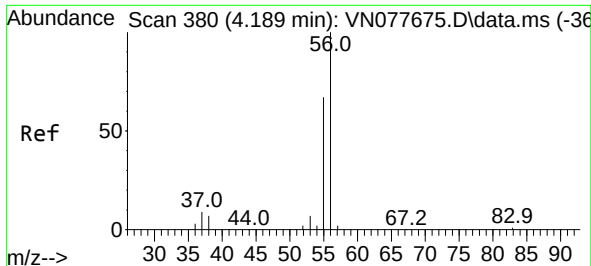
Tgt Ion:168 Resp: 368310
Ion Ratio Lower Upper
168 100
99 58.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 50 Resp: 1228
Ion Ratio Lower Upper
50 100
52 23.6 26.5 39.7#

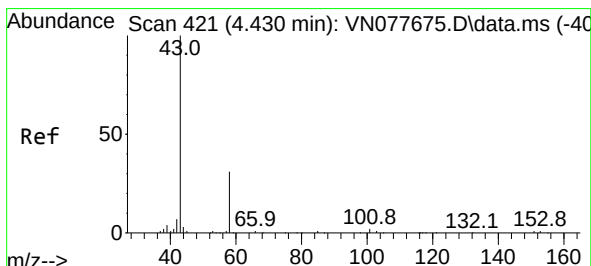
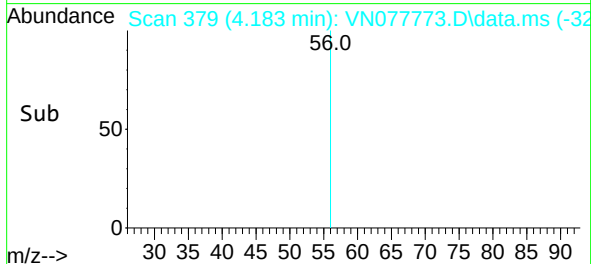
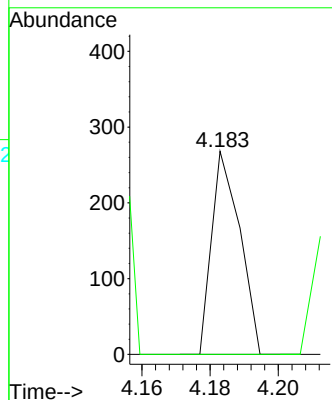
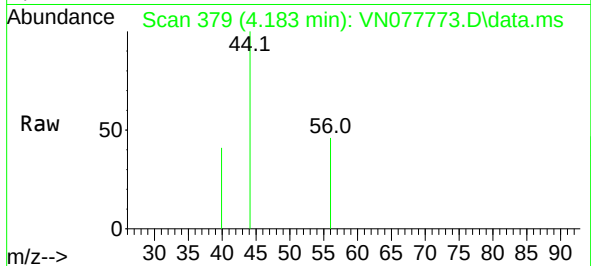




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

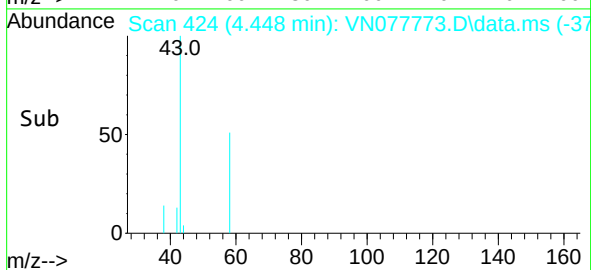
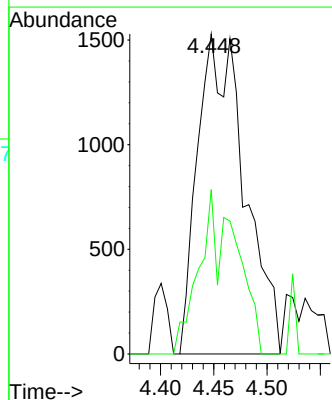
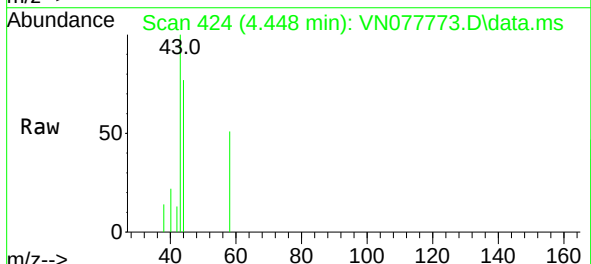
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

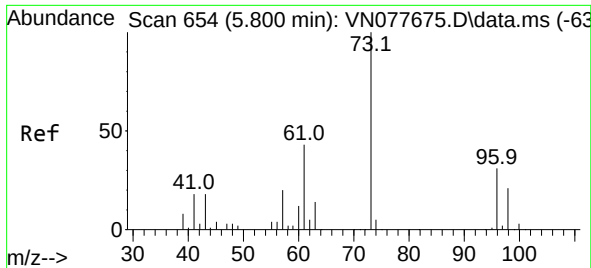
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 2.700 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 43 Resp: 4682
Ion Ratio Lower Upper
43 100
58 51.3 28.0 42.0#

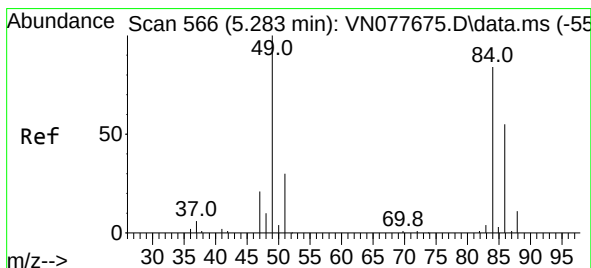
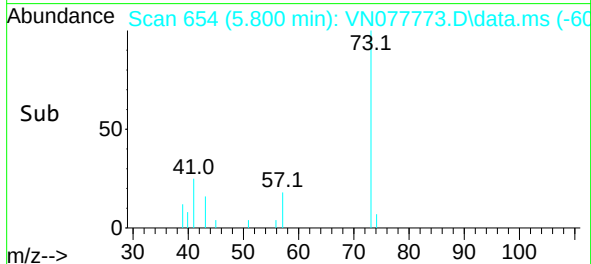
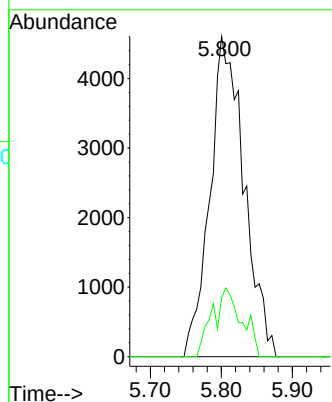
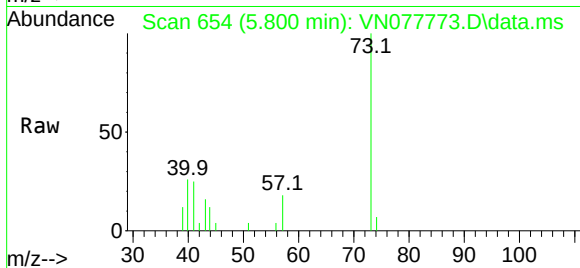




#19
Methyl tert-butyl Ether
Concen: 1.094 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

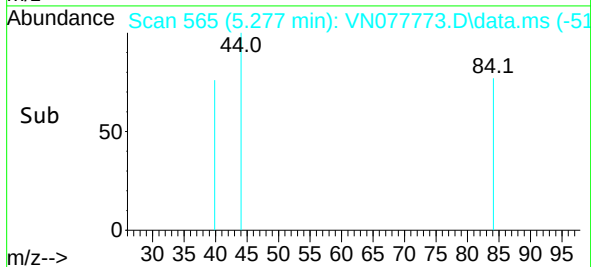
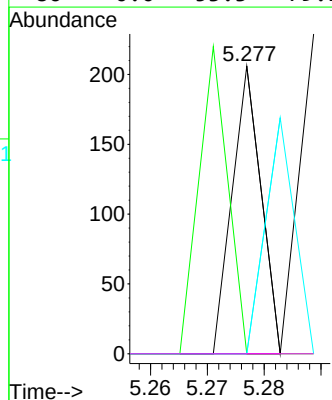
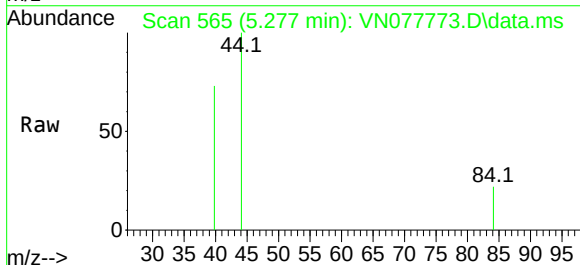
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

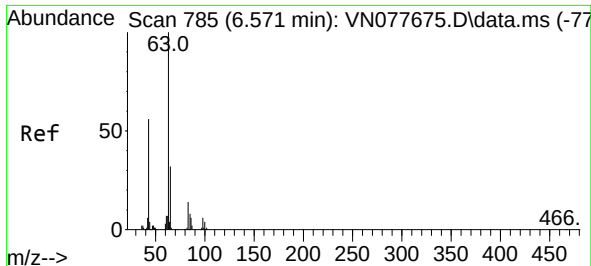
Tgt Ion: 73 Resp: 15334
Ion Ratio Lower Upper
73 100
57 18.4 15.6 23.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 84 Resp: 73
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

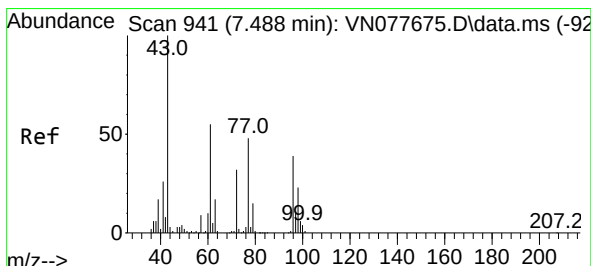
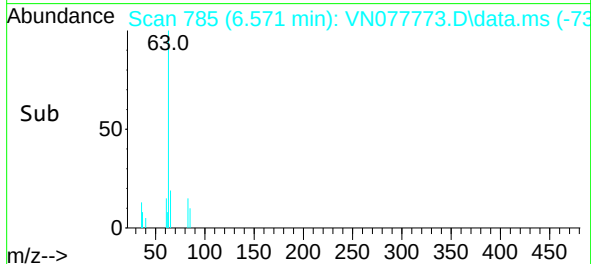
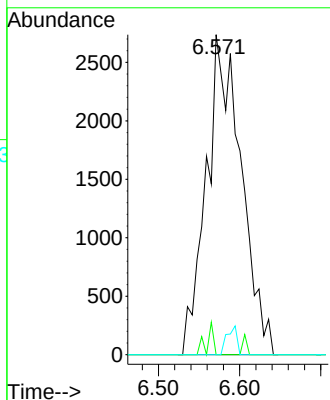
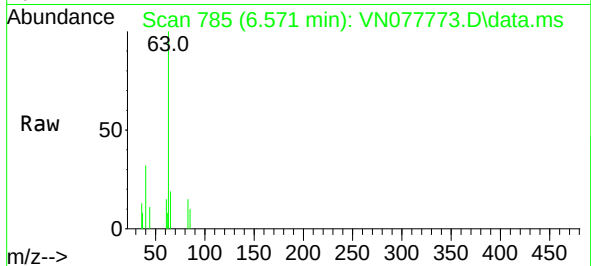




#24
1,1-Dichloroethane
Concen: 1.001 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

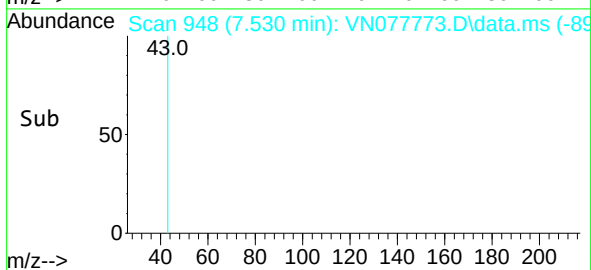
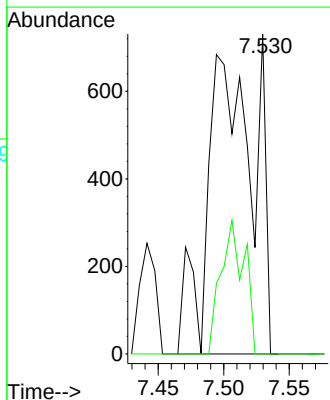
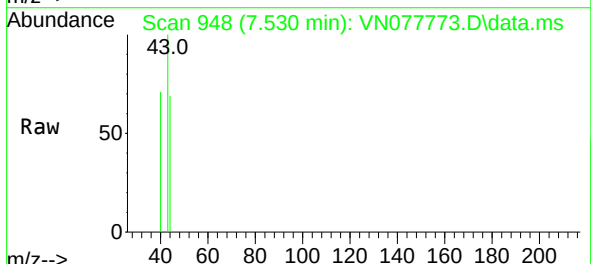
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

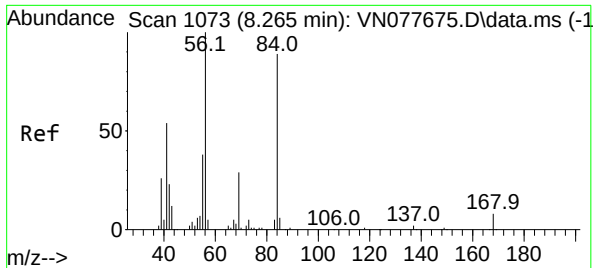
Tgt Ion: 63 Resp: 8179
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 0.624 ug/l
RT: 7.530 min Scan# 948
Delta R.T. 0.042 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

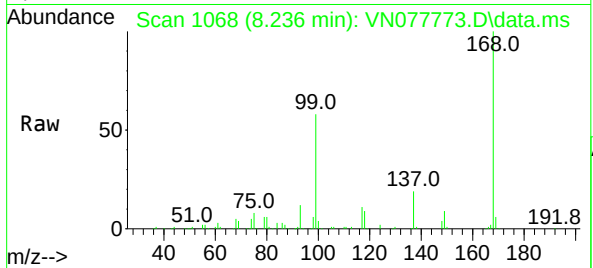
Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



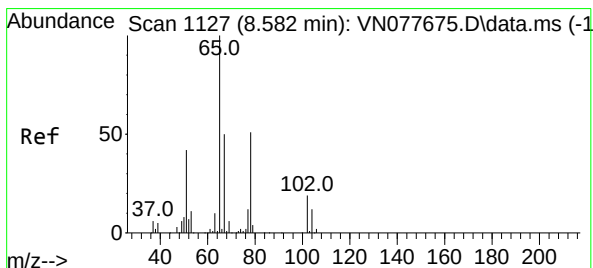
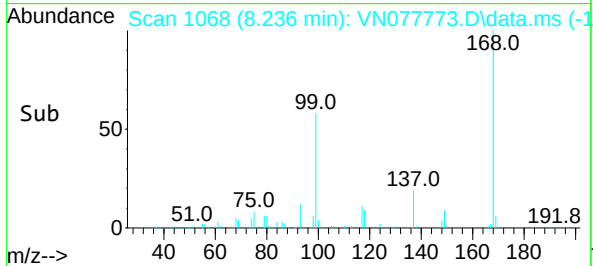
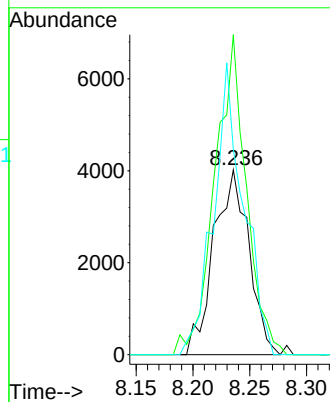


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

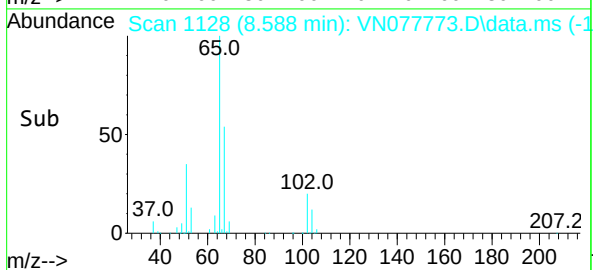
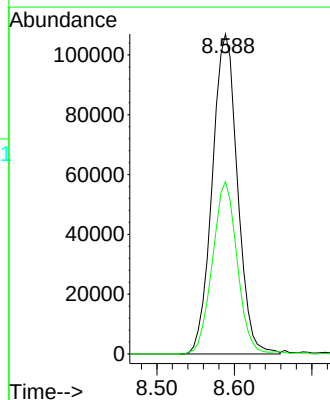
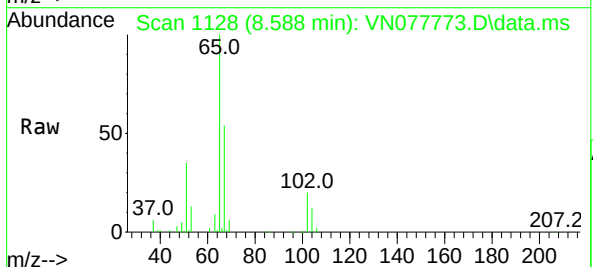


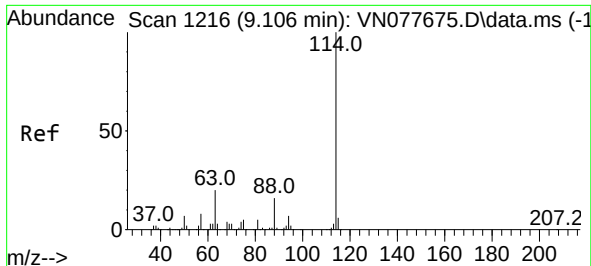
Tgt Ion: 56 Resp: 8597
Ion Ratio Lower Upper
56 100
69 168.6 26.8 40.2#
84 111.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.837 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 65 Resp: 241580
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6

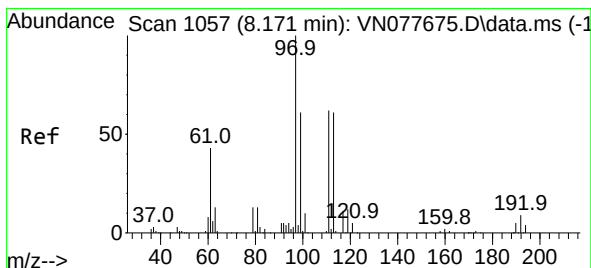
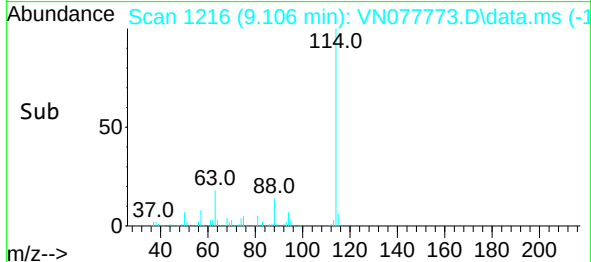
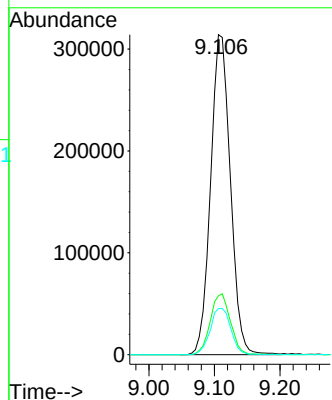
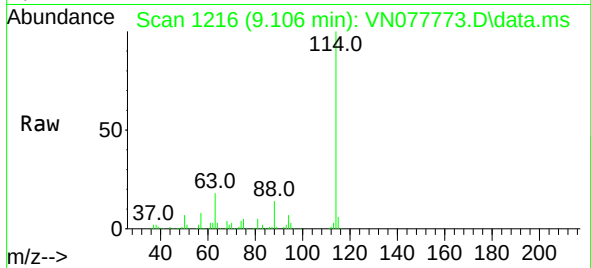




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

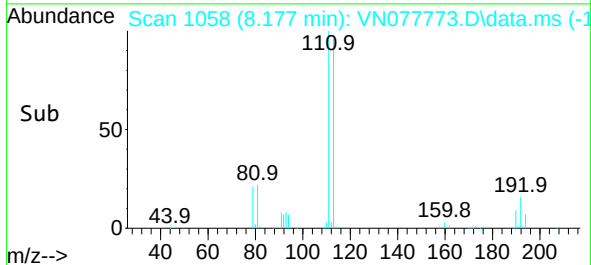
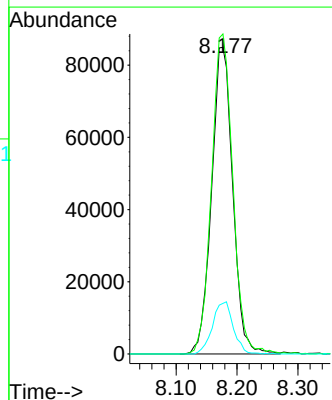
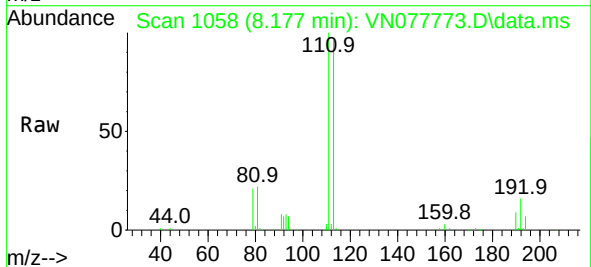
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BP-VPB-RW11-GW-258-260

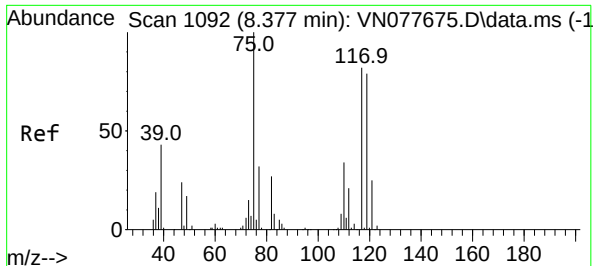
Tgt Ion:114 Resp: 656347
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.981 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion:113 Resp: 205358
Ion Ratio Lower Upper
113 100
111 104.8 82.6 123.8
192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 8.230 min Scan# 1092

Delta R.T. -0.147 min

Lab File: VN077773.D

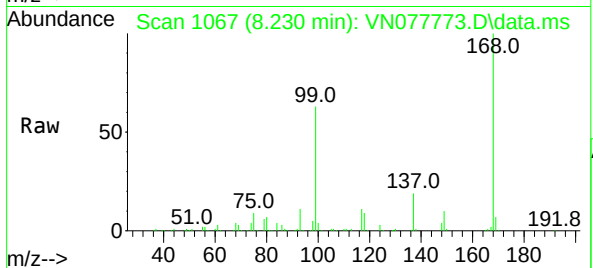
Acq: 19 May 2023 18:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-258-260



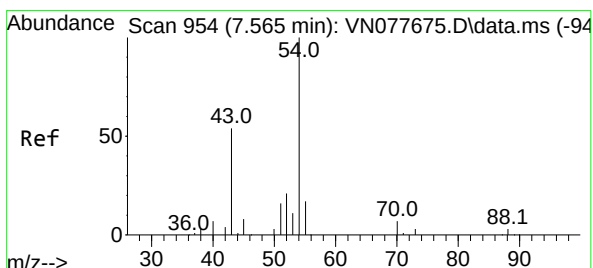
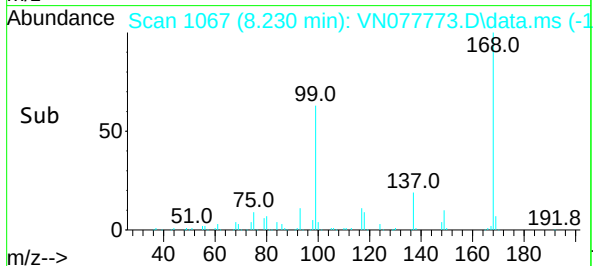
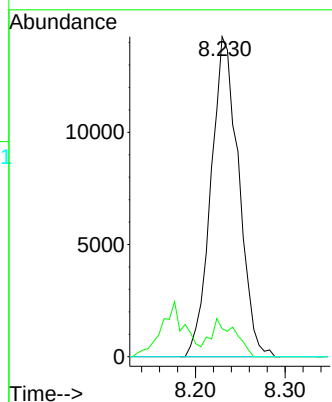
Tgt Ion: 75 Resp: 30456

Ion Ratio Lower Upper

75 100

110 10.4 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.303 ug/l

RT: 7.530 min Scan# 948

Delta R.T. -0.035 min

Lab File: VN077773.D

Acq: 19 May 2023 18:46

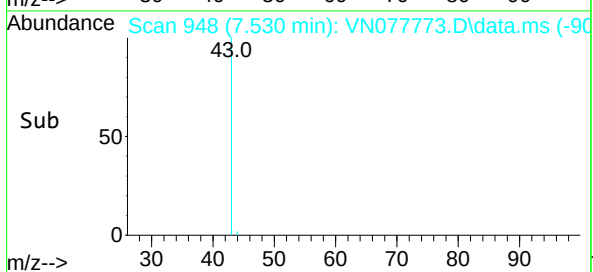
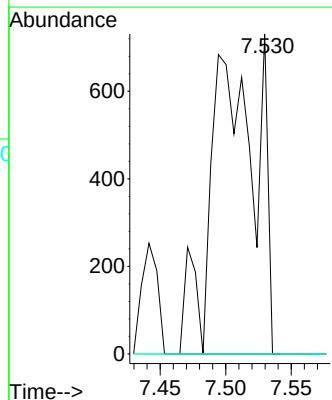
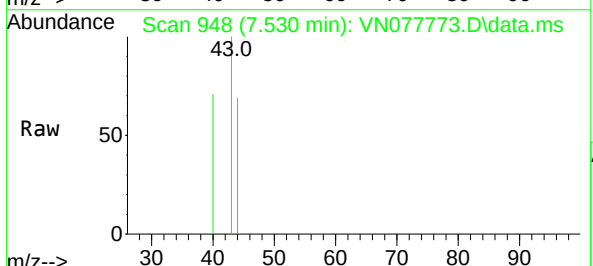
Tgt Ion: 43 Resp: 1692

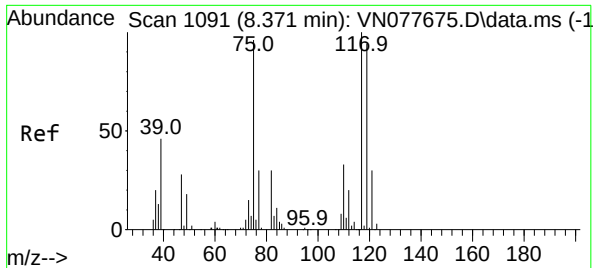
Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#

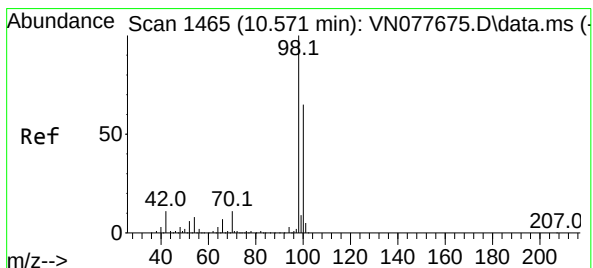
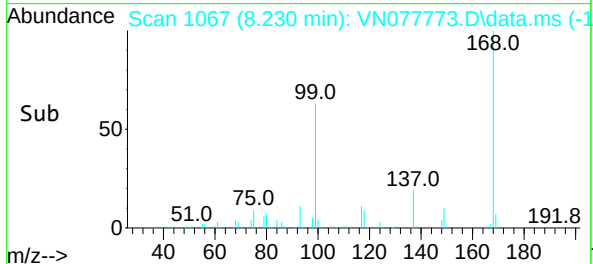
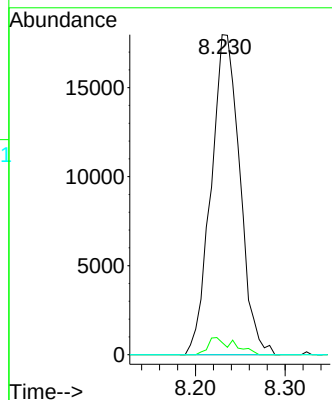
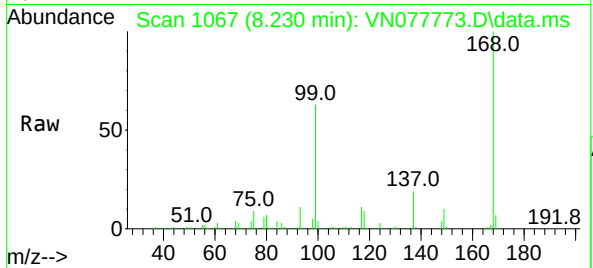




#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

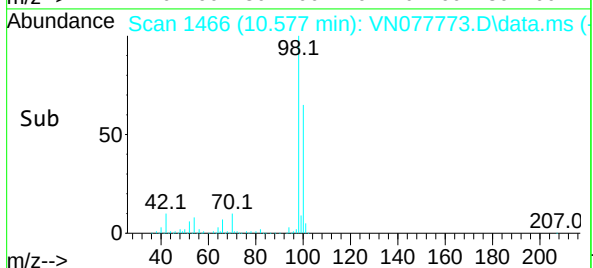
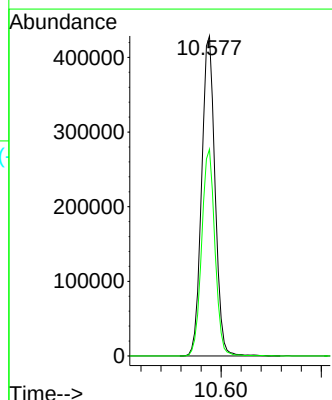
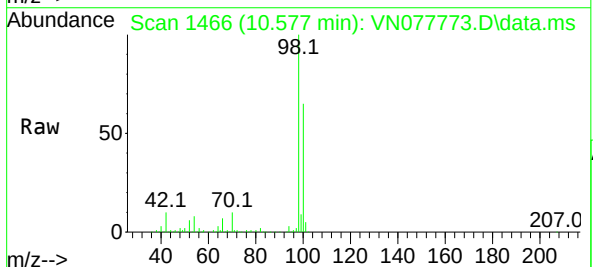
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-GW-258-260

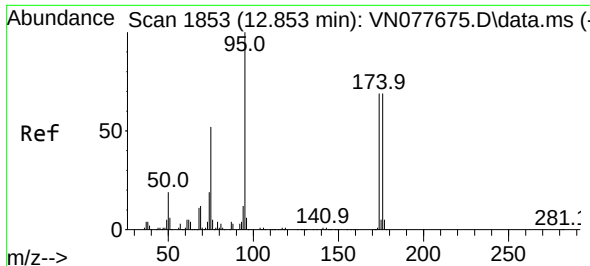
Tgt Ion:117 Resp: 39944
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.226 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 98 Resp: 794474
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

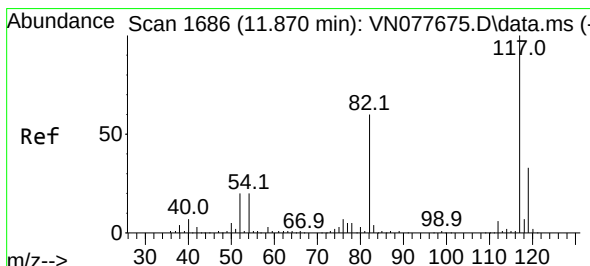
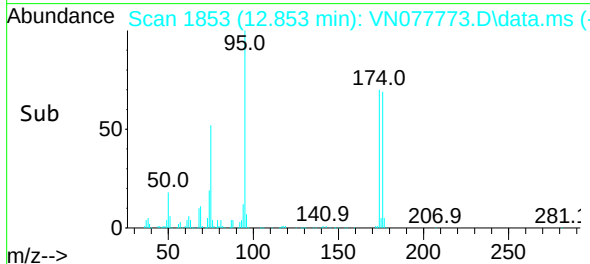
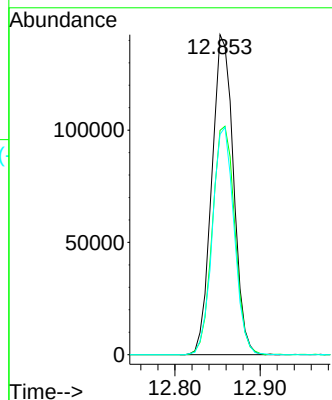
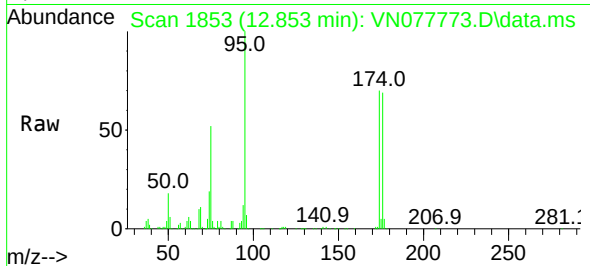




#62
4-Bromofluorobenzene
Concen: 43.284 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

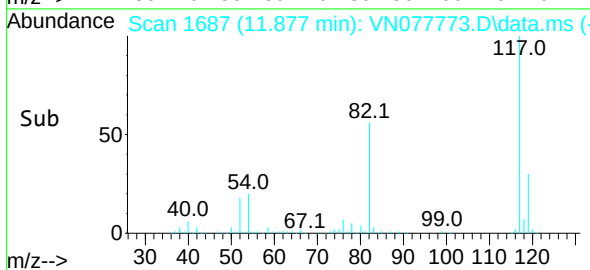
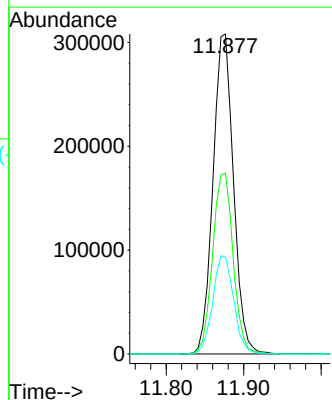
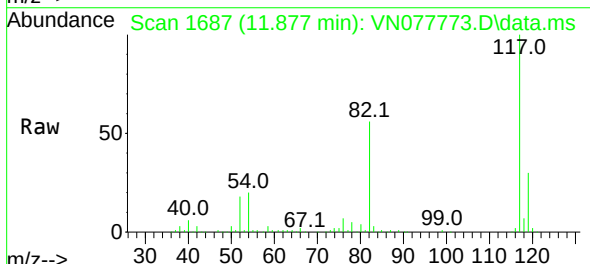
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

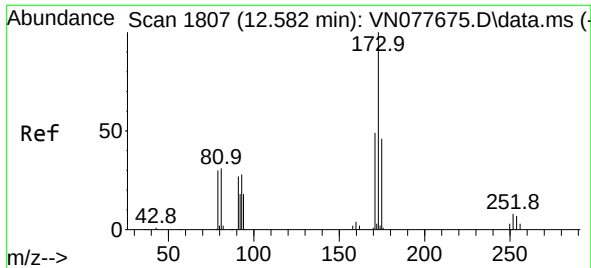
Tgt Ion: 95 Resp: 251835
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.877 min Scan# 1687
Delta R.T. 0.007 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 117 Resp: 565904
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 30.3 25.6 38.4

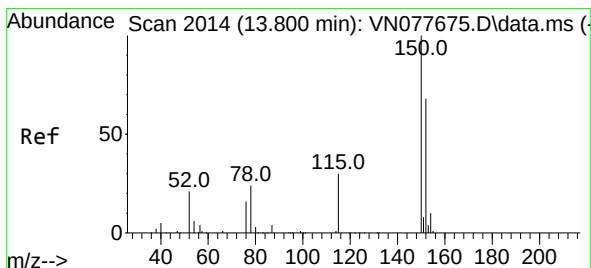
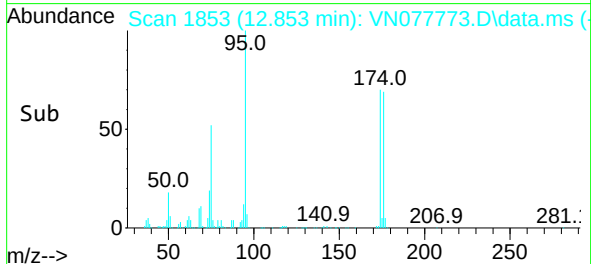
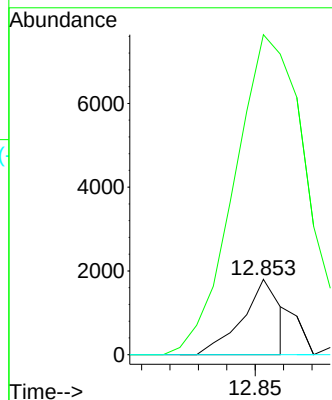
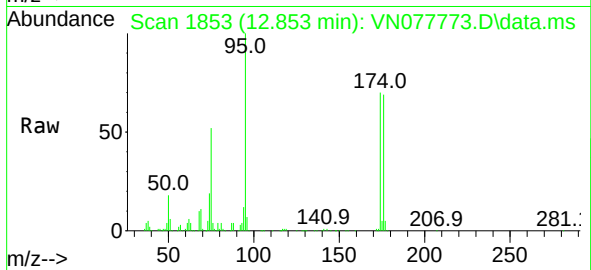




#71
Bromoform
Concen: 0.587 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

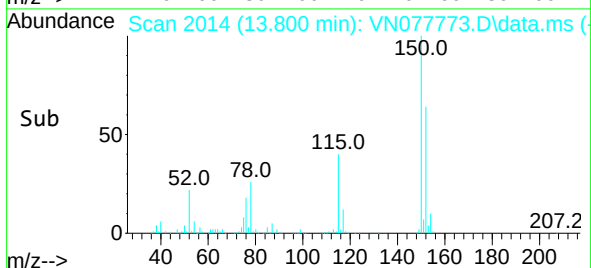
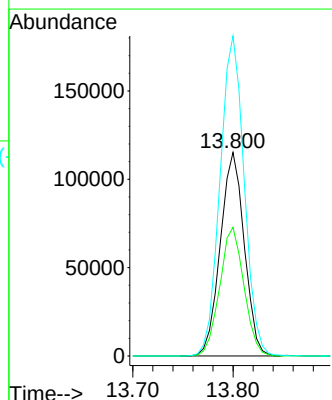
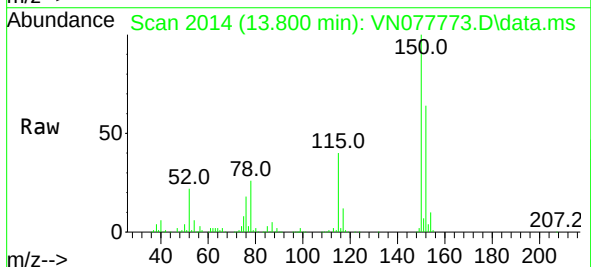
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

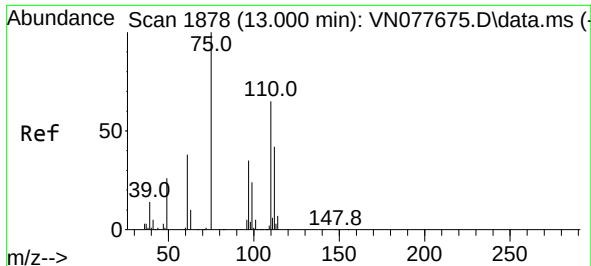
Tgt Ion:173 Resp: 1659
Ion Ratio Lower Upper
173 100
175 569.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion:152 Resp: 191088
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 158.1 0.0 355.8

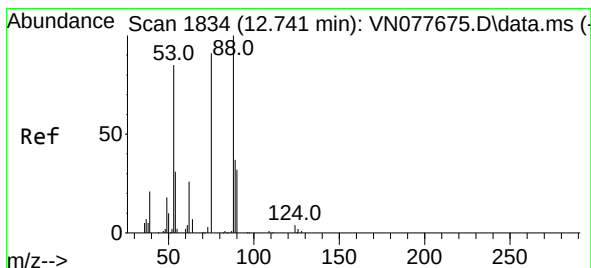
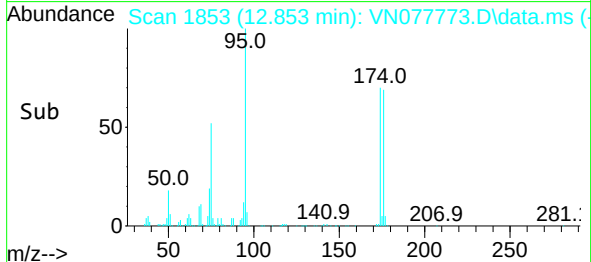
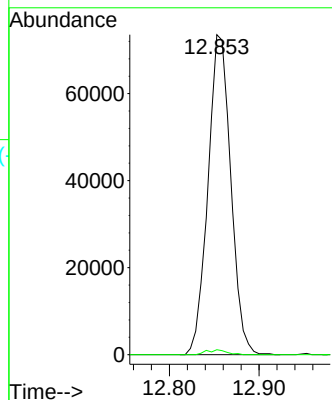
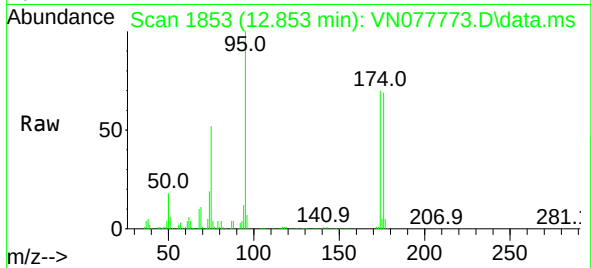




#76
1,2,3-Trichloropropane
Concen: 27.160 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-258-260

Tgt Ion: 75 Resp: 129976
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.818 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077773.D
Acq: 19 May 2023 18:46

Tgt Ion: 75 Resp: 129976
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

