

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077910.D
 Acq On : 25 May 2023 18:26
 Operator : JC\MD
 Sample : 02944-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-478-480

Quant Time: May 26 04:36:35 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)

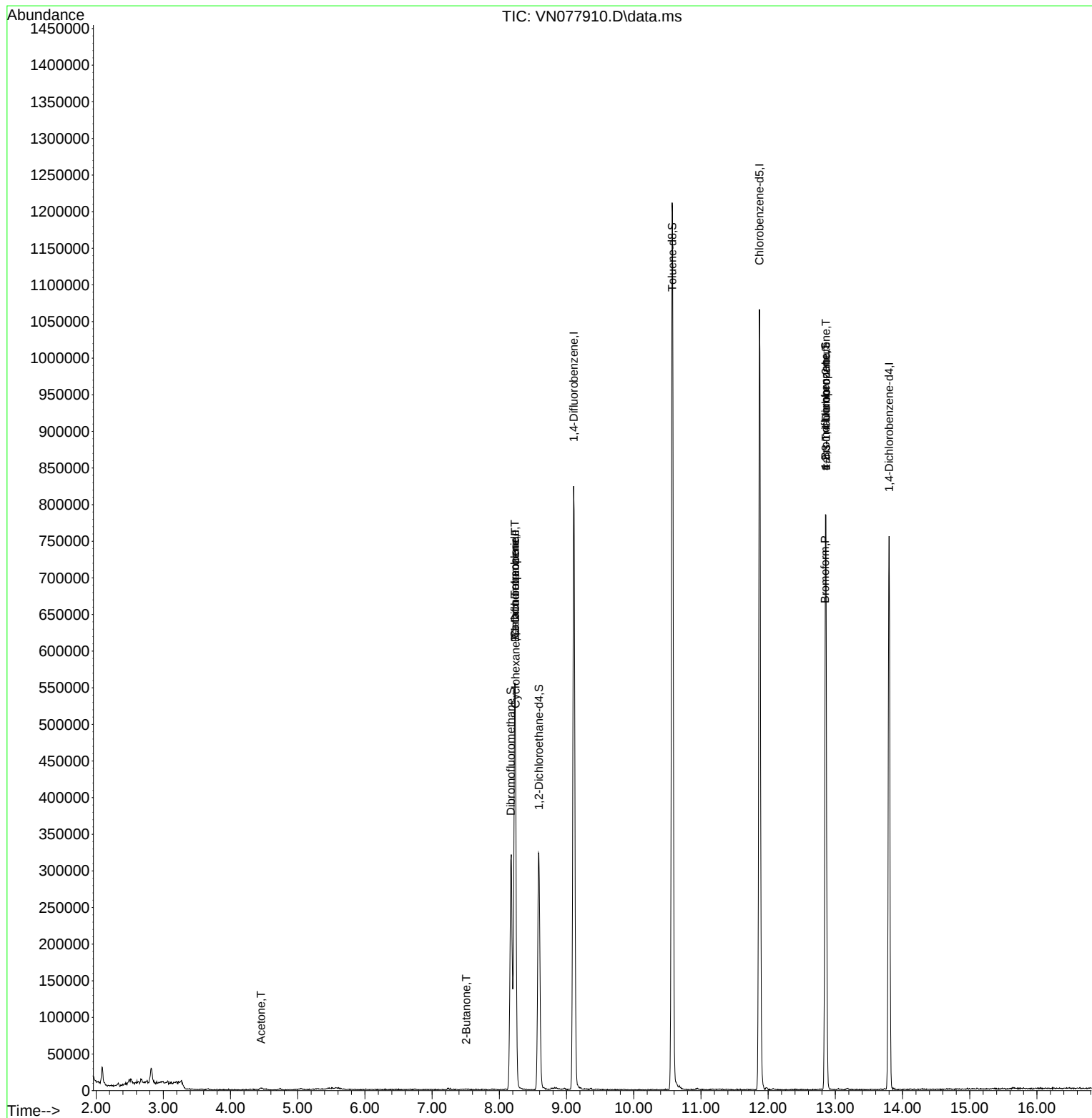
Internal Standards						
1) Pentafluorobenzene	8.236	168	397582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	730705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	639705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	276231	46.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.860%		
35) Dibromofluoromethane	8.171	113	227713	47.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	10.571	98	898207	48.975	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.853	95	293908	45.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.740%		
Target Compounds						
3) Chloromethane	2.366	50	1579	Below Cal	Qvalue 91	
13) Acrolein	4.207	56	93	Below Cal	# 42	
16) Acetone	4.454	43	3657	1.954 ug/l	# 81	
20) Methylene Chloride	5.289	84	493	Below Cal	# 20	
25) 2-Butanone	7.506	43	1184	0.404 ug/l	97	
31) Cyclohexane	8.242	56	9981	1.234 ug/l	# 61	
36) 1,1-Dichloropropene	8.236	75	33045	4.741 ug/l	# 50	
38) Carbon Tetrachloride	8.230	117	45293	6.436 ug/l	# 18	
71) Bromoform	12.847	173	1572	0.492 ug/l	# 28	
76) 1,2,3-Trichloropropane	12.859	75	154375	30.338 ug/l	# 1	
81) trans-1,4-Dichloro-2-b...	12.859	75	154375	96.976 ug/l	# 15	

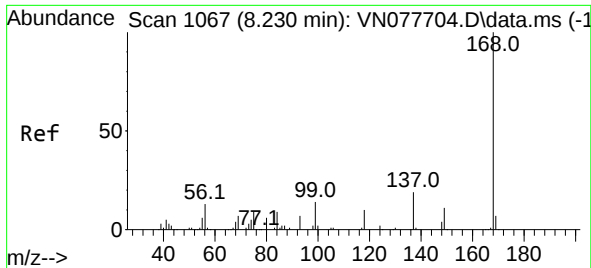
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

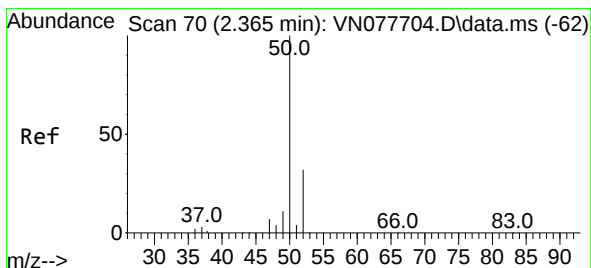
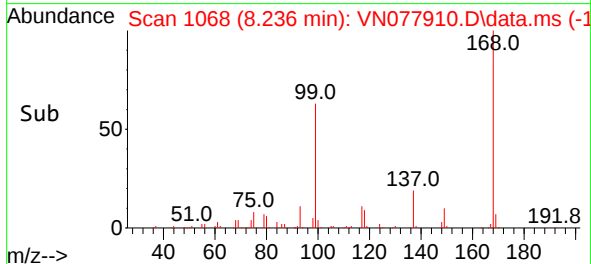
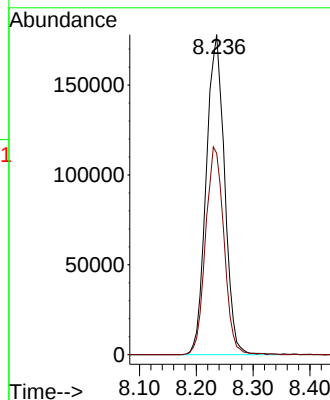
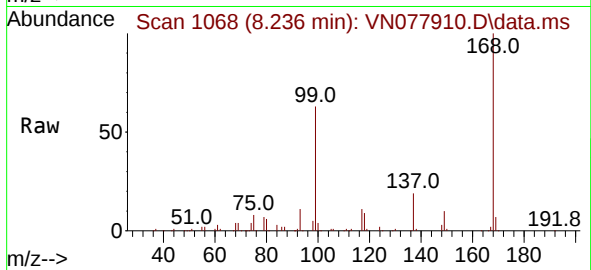




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

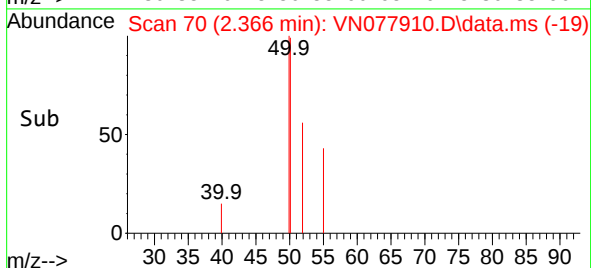
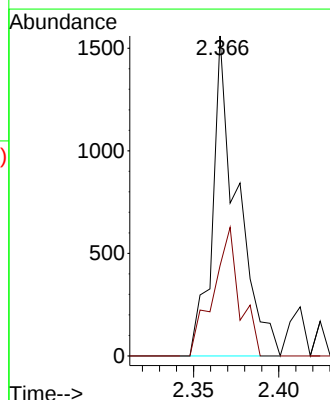
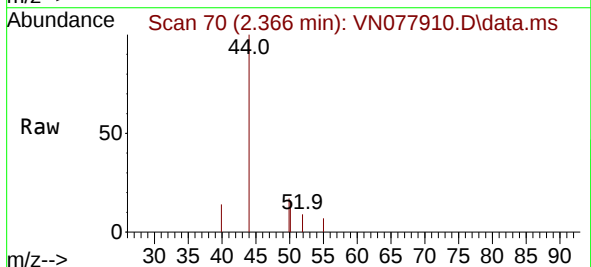
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-478-480

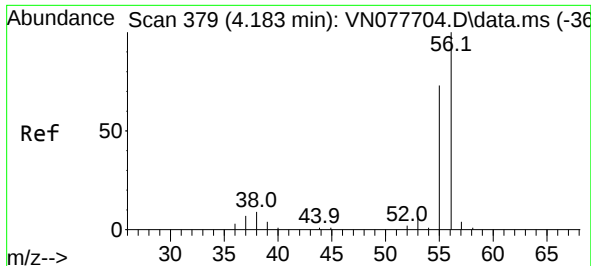
Tgt Ion:168 Resp: 397582
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.366 min Scan# 70
Delta R.T. 0.001 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion: 50 Resp: 1579
Ion Ratio Lower Upper
50 100
52 28.2 26.5 39.7

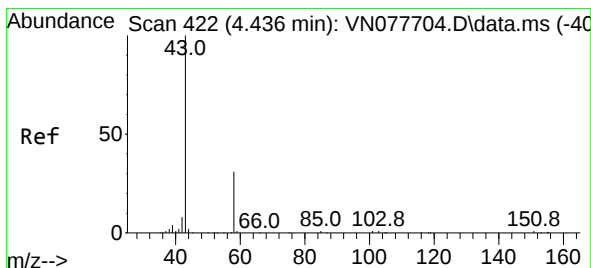
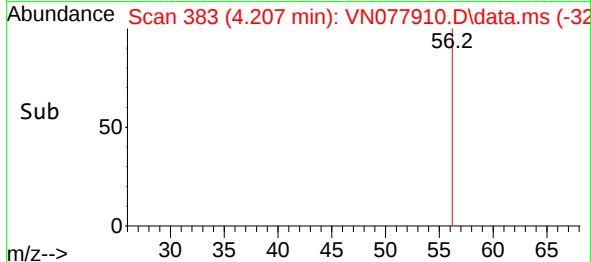
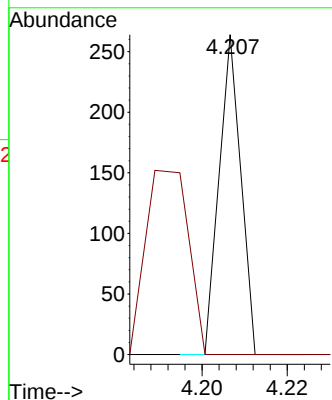
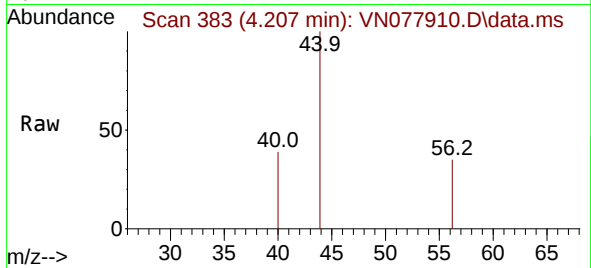




#13
Acrolein
Concen: Below Cal
RT: 4.207 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

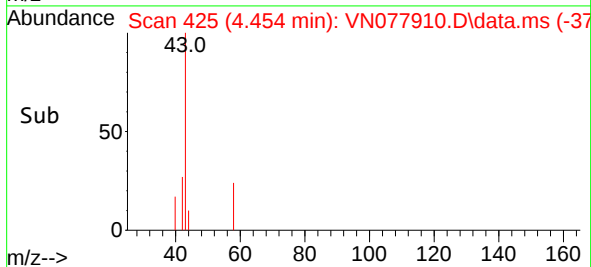
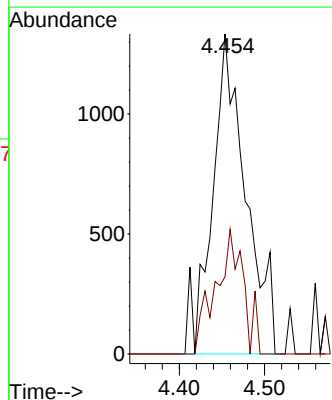
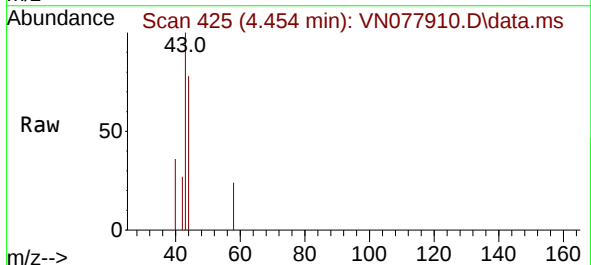
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-478-480

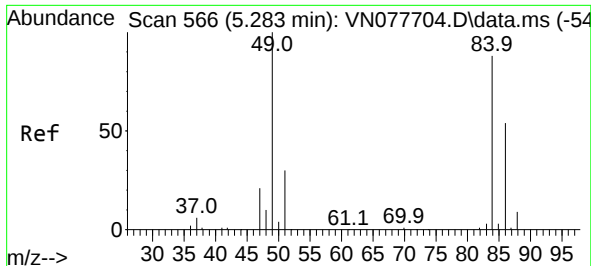
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 115.1 54.5 81.7#



#16
Acetone
Concen: 1.954 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.024 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion: 43 Resp: 3657
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#

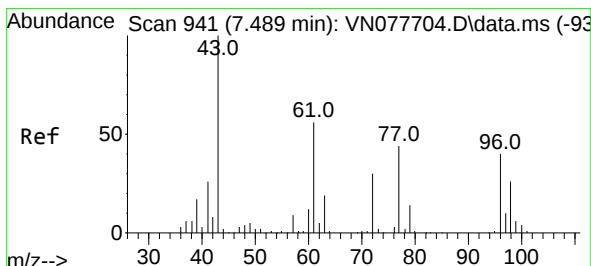
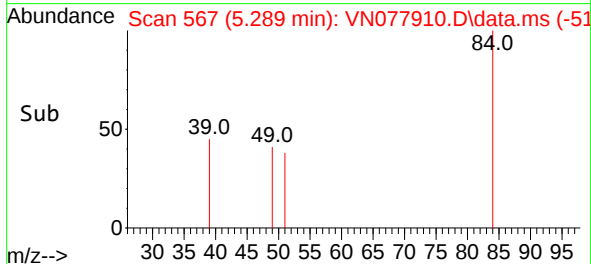
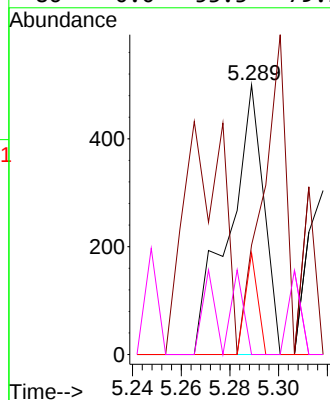
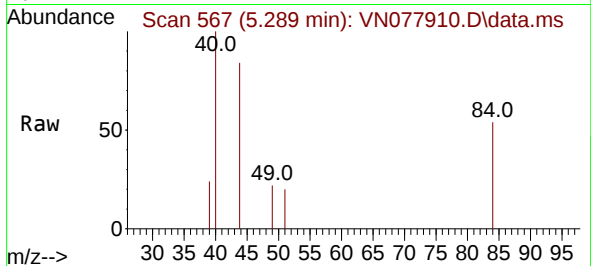




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

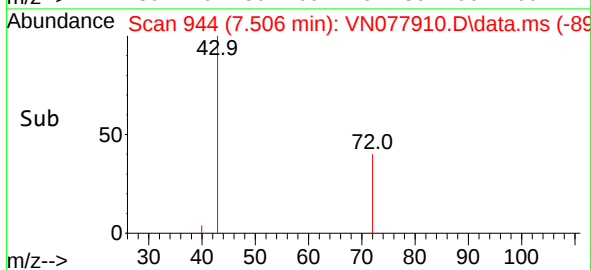
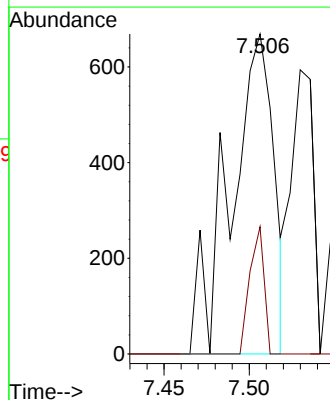
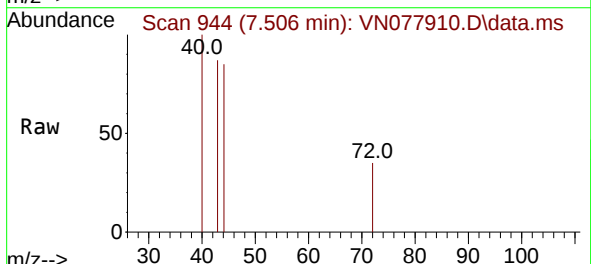
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-478-480

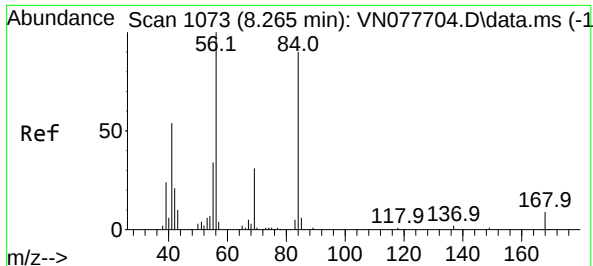
Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 37.6 25.2 37.8
86 0.0 53.3 79.9#



#25
2-Butanone
Concen: 0.404 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
72 39.8 30.2 45.2

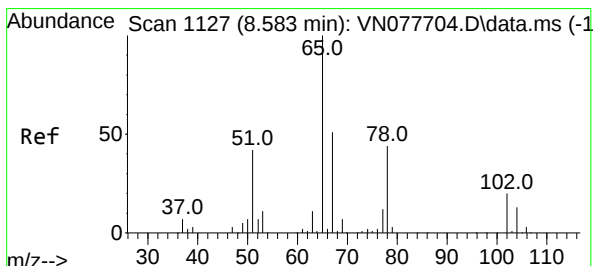
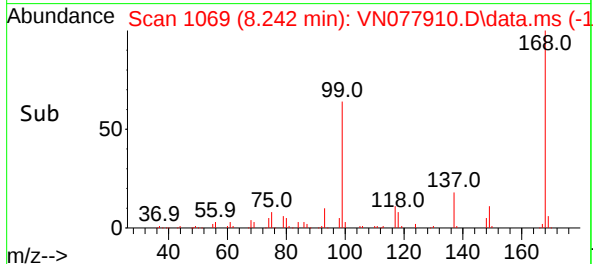
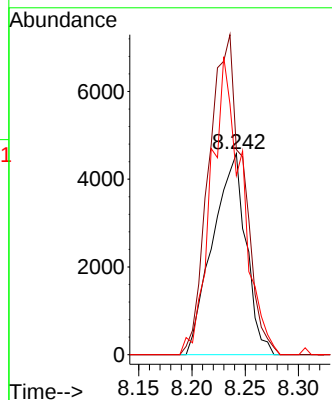
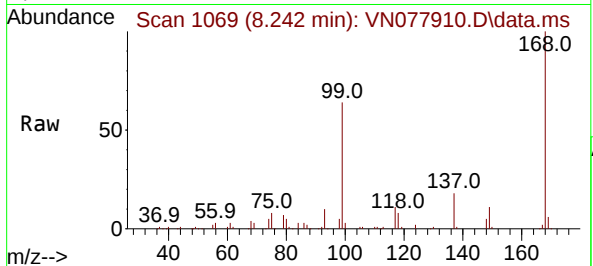




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.242 min Scan# 1069
Delta R.T. -0.023 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

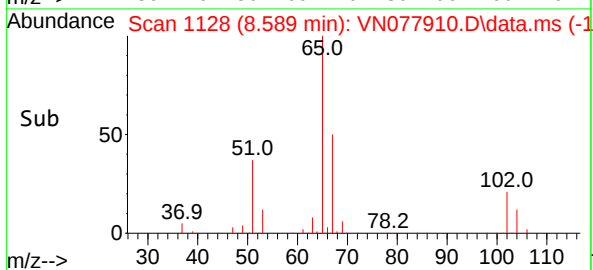
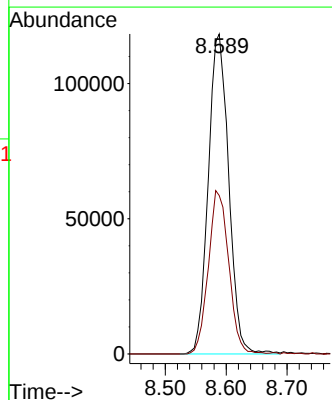
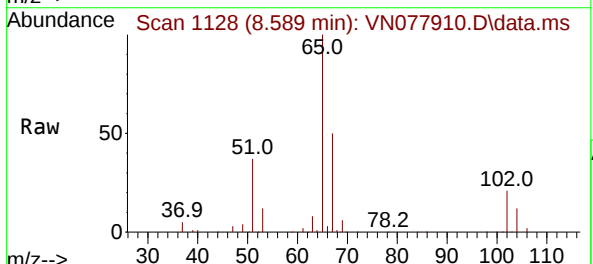
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-478-480

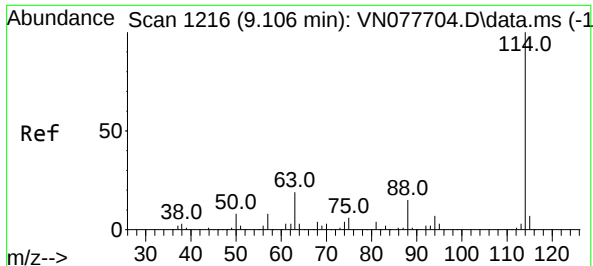
Tgt Ion: 56 Resp: 9981
Ion Ratio Lower Upper
56 100
69 102.0 26.8 40.2#
84 89.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.007 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion: 65 Resp: 276231
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.6

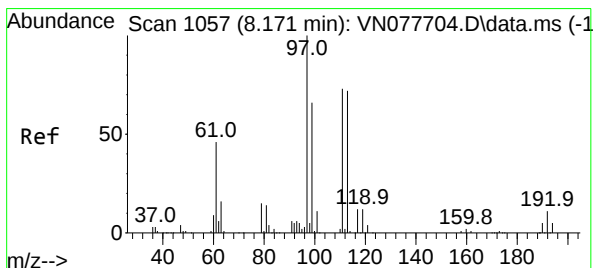
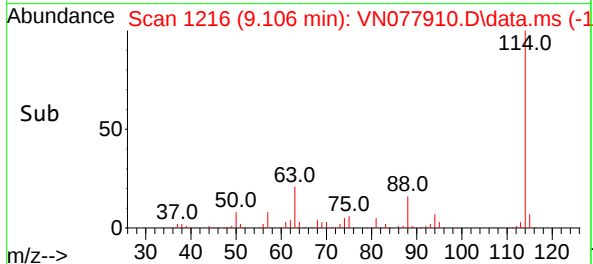
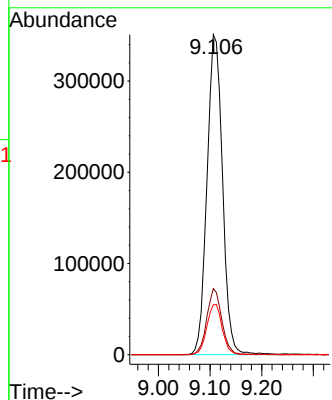
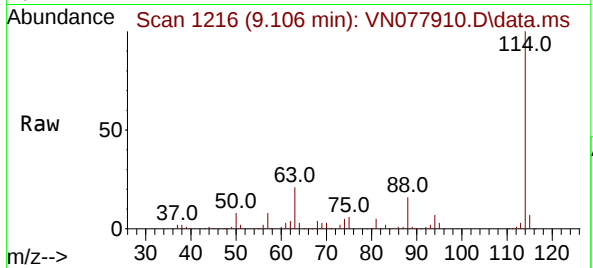




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

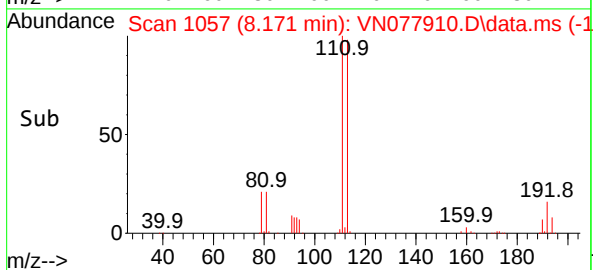
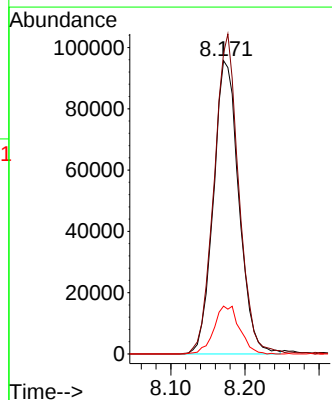
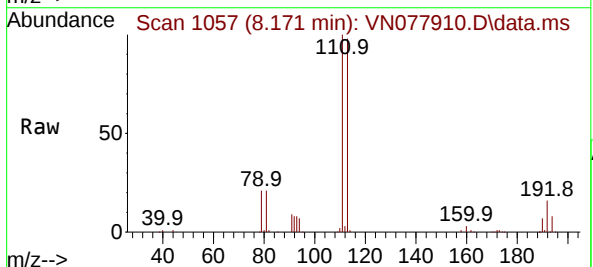
Instrument :
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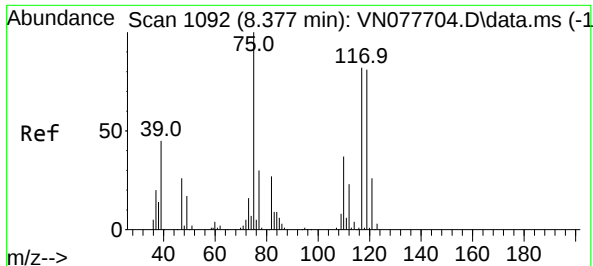
Tgt Ion:114 Resp: 730705
Ion Ratio Lower Upper
114 100
63 20.7 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.790 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion:113 Resp: 227713
Ion Ratio Lower Upper
113 100
111 106.5 82.6 123.8
192 16.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077910.D

Acq: 25 May 2023 18:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-478-480

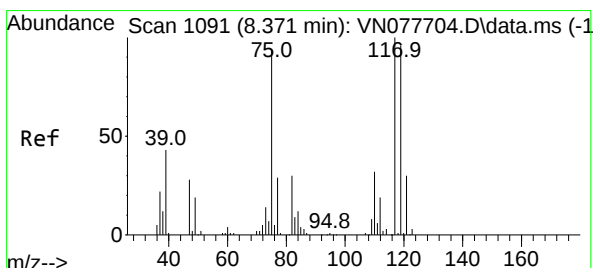
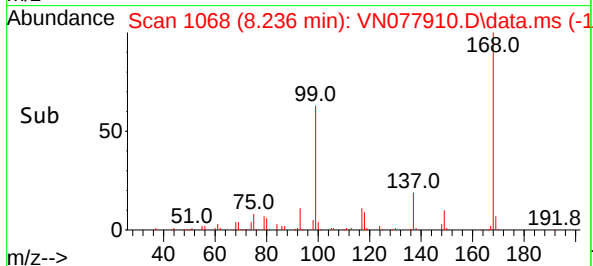
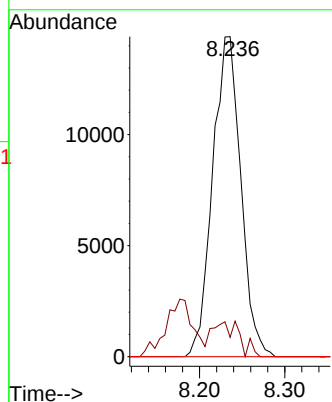
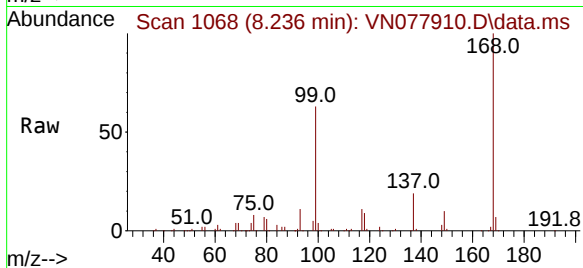
Tgt Ion: 75 Resp: 33045

Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.436 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077910.D

Acq: 25 May 2023 18:26

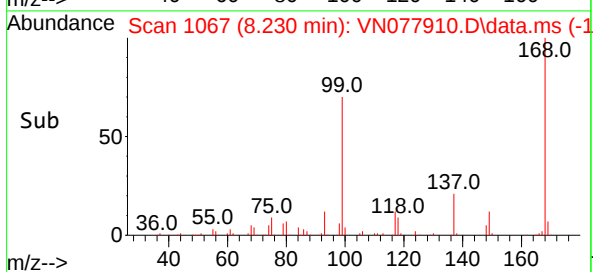
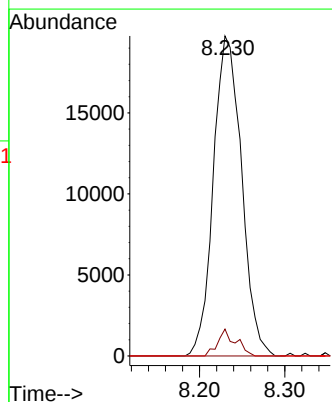
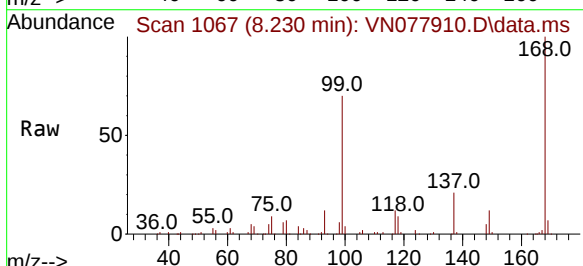
Tgt Ion: 117 Resp: 45293

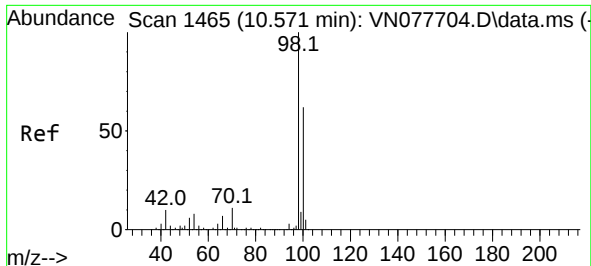
Ion Ratio Lower Upper

117 100

119 8.4 77.3 115.9#

121 0.0 23.3 34.9#

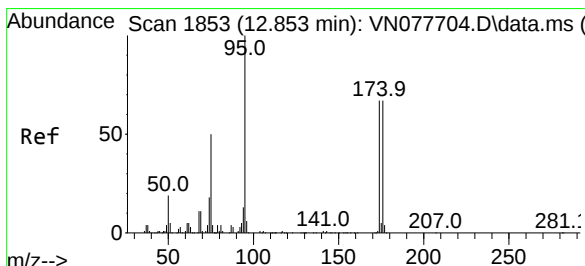
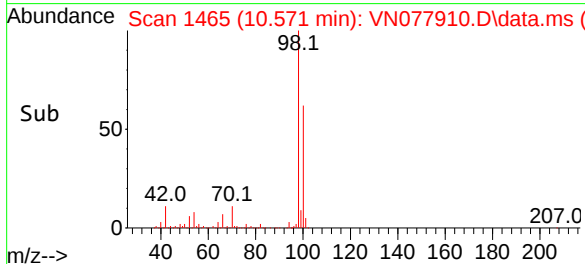
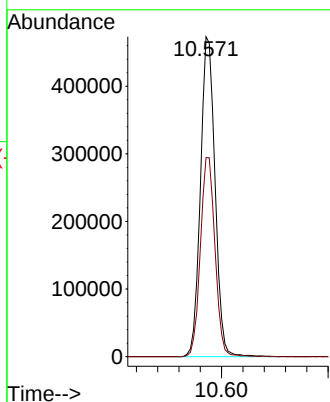
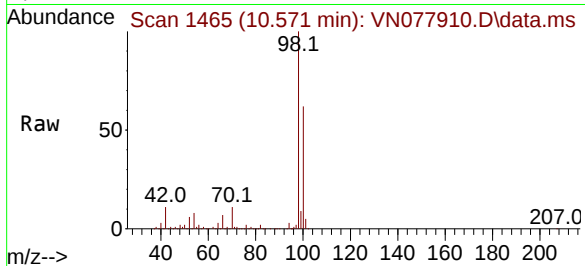




#50
Toluene-d8
Concen: 48.975 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

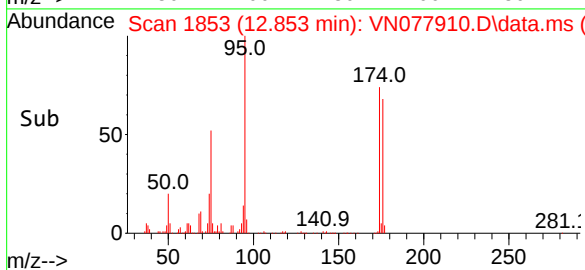
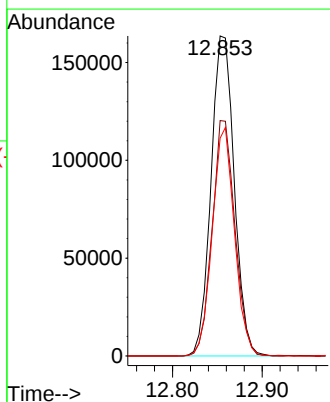
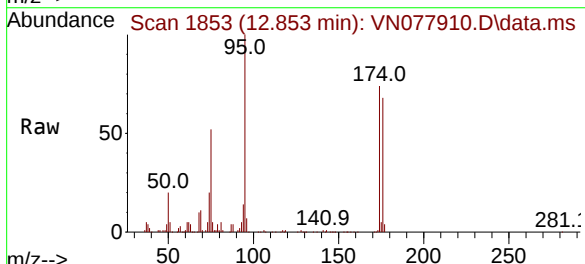
Instrument :
MSVOA_N
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BP-VPB-RW11-GW-478-480

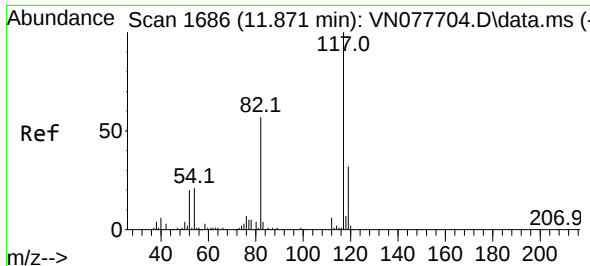
Tgt Ion: 98 Resp: 898207
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.374 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion: 95 Resp: 293908
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 68.3 0.0 135.8

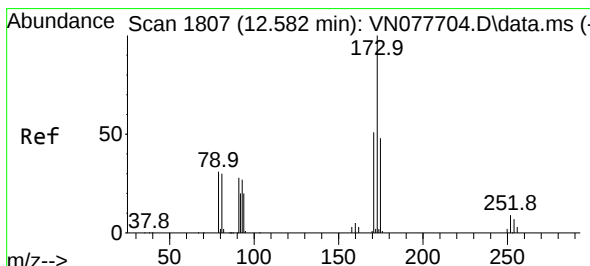
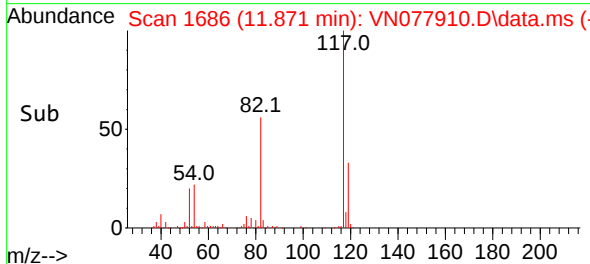
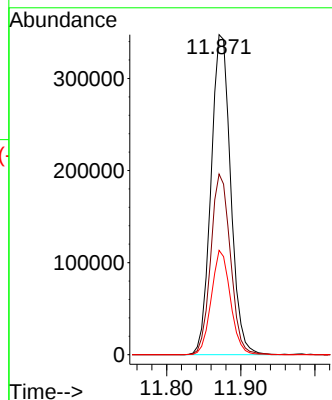
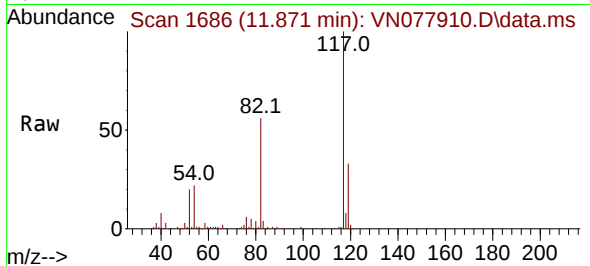




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

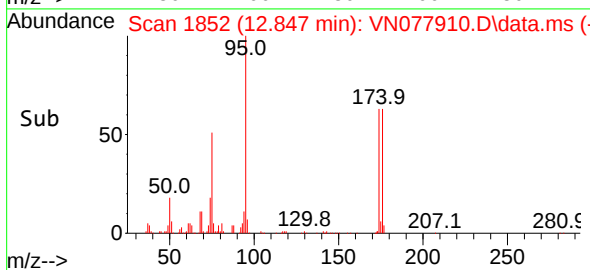
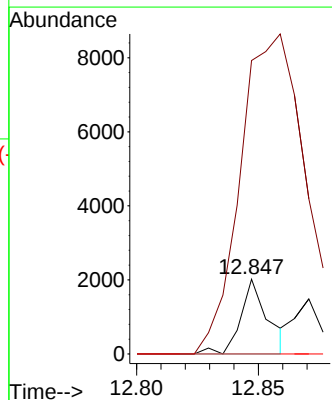
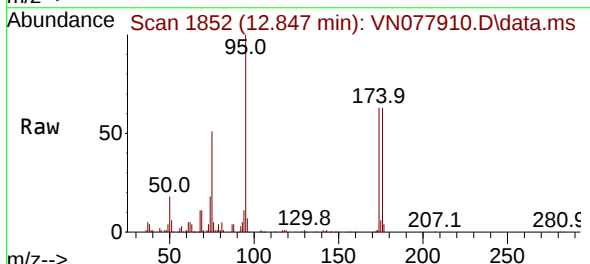
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-478-480

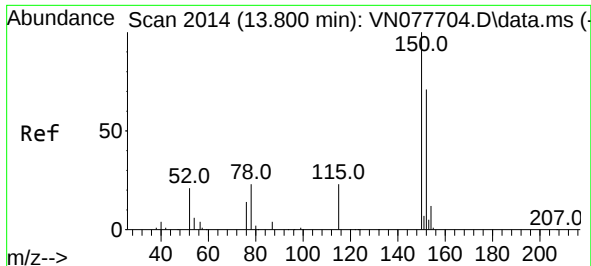
Tgt Ion:117 Resp: 639705
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.492 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077910.D
Acq: 25 May 2023 18:26

Tgt Ion:173 Resp: 1572
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

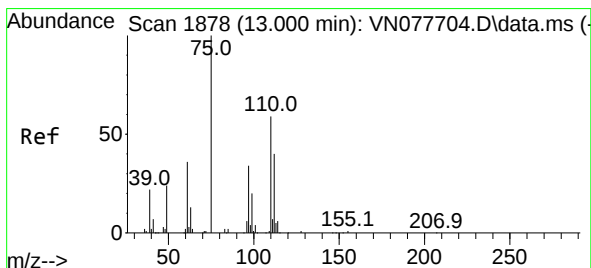
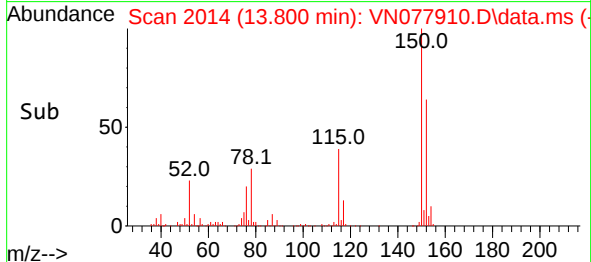
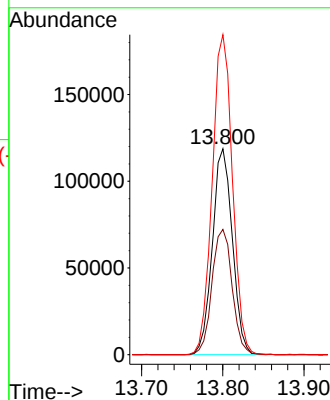
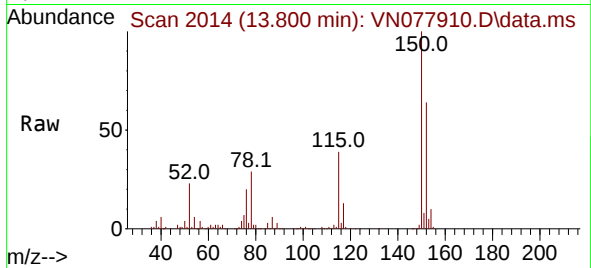




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN077910.D
 Acq: 25 May 2023 18:26

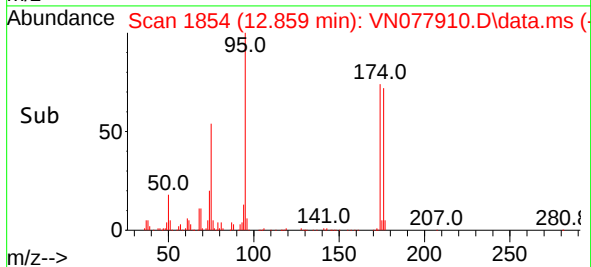
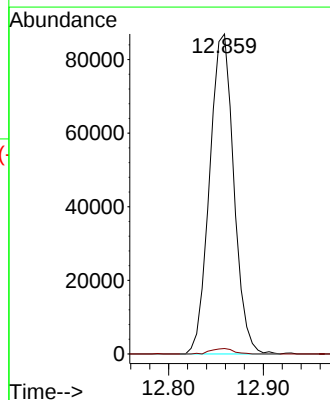
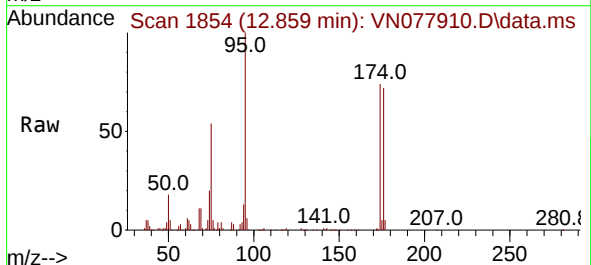
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-478-480

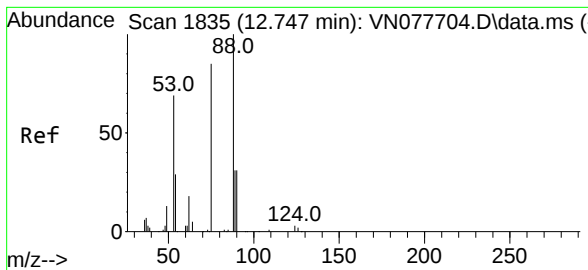
Tgt Ion:152 Resp: 203186
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 156.9 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 30.338 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077910.D
 Acq: 25 May 2023 18:26

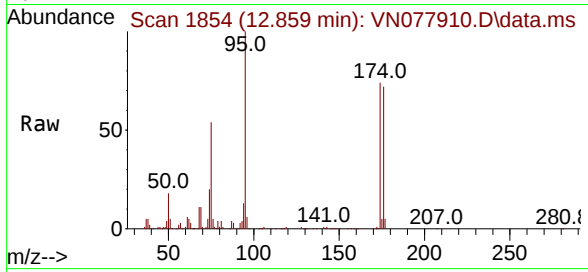
Tgt Ion: 75 Resp: 154375
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.976 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077910.D
 Acq: 25 May 2023 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-478-480



Tgt Ion: 75 Resp: 154375
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

