

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077766.D
 Acq On : 19 May 2023 16:00
 Operator : JC\MD
 Sample : 02862-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-58-60

Quant Time: May 29 09:50:03 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)

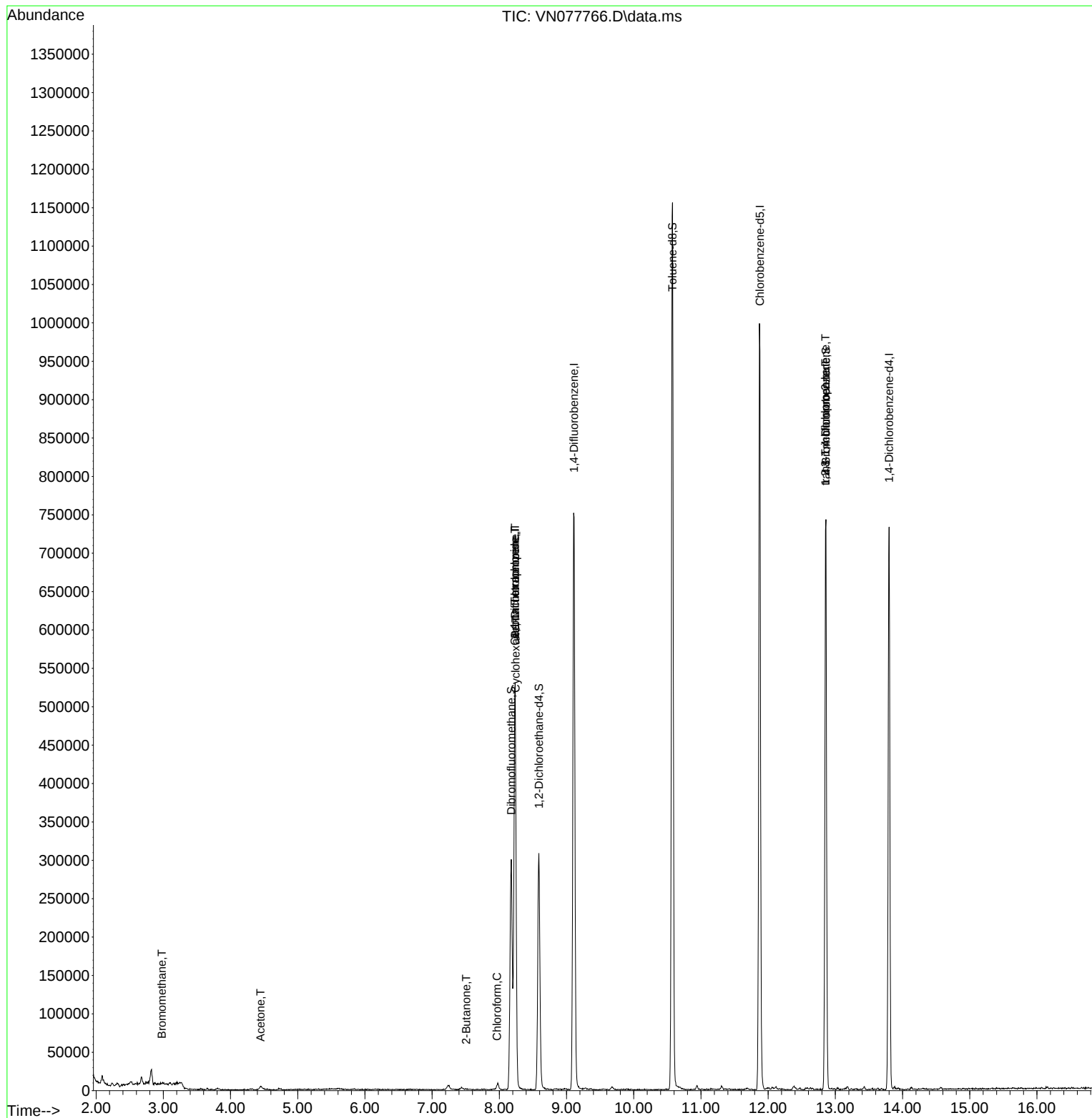
Internal Standards						
1) Pentafluorobenzene	8.236	168	383157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	680464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	595374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	251401	43.851	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.700%		
35) Dibromofluoromethane	8.177	113	216310	48.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.500%		
50) Toluene-d8	10.577	98	844017	49.418	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.840%		
62) 4-Bromofluorobenzene	12.859	95	269478	44.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.340%		
Target Compounds						
3) Chloromethane	2.377	50	1010	Below Cal	#	62
5) Bromomethane	2.977	94	1498	0.368	ug/l #	52
13) Acrolein	4.195	56	89	Below Cal	#	27
16) Acetone	4.448	43	7450	4.130	ug/l	94
20) Methylene Chloride	5.277	84	234	Below Cal	#	13
25) 2-Butanone	7.506	43	1691	0.599	ug/l #	77
30) Chloroform	7.965	83	7532	0.805	ug/l #	63
31) Cyclohexane	8.241	56	9171	1.177	ug/l #	40
36) 1,1-Dichloropropene	8.236	75	31402	4.838	ug/l #	48
38) Carbon Tetrachloride	8.230	117	41423	6.321	ug/l #	14
76) 1,2,3-Trichloropropane	12.853	75	141533	27.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	141533	88.763	ug/l #	15

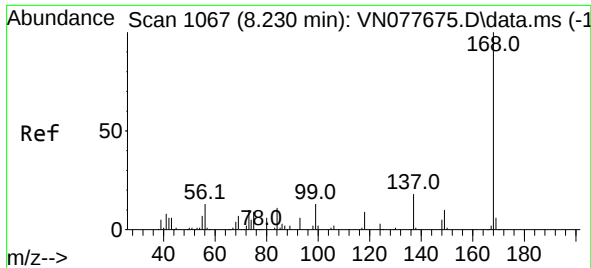
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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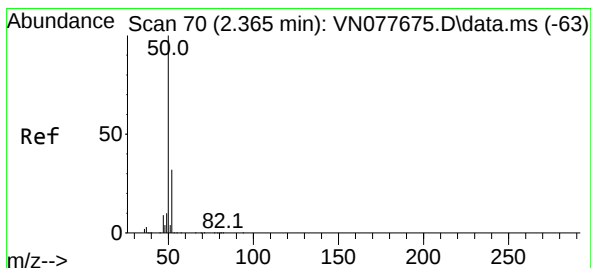
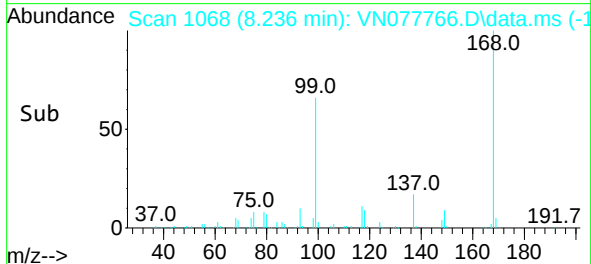
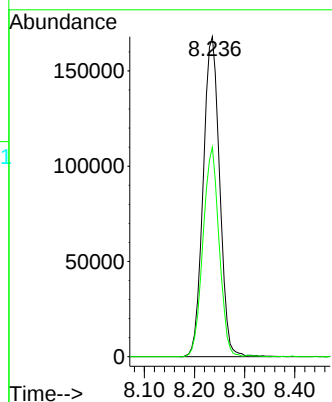
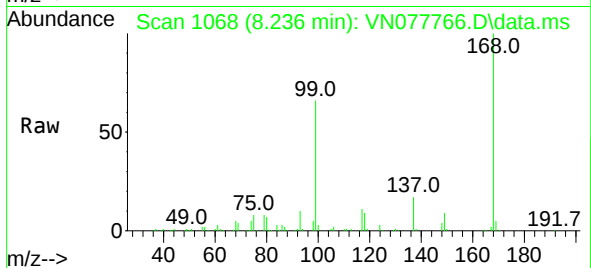




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

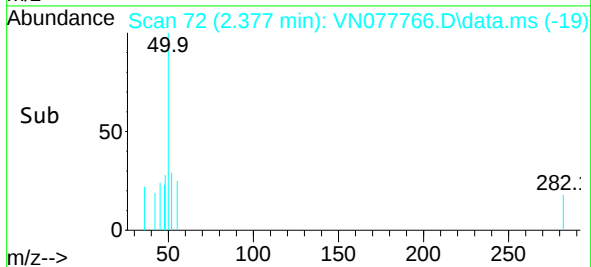
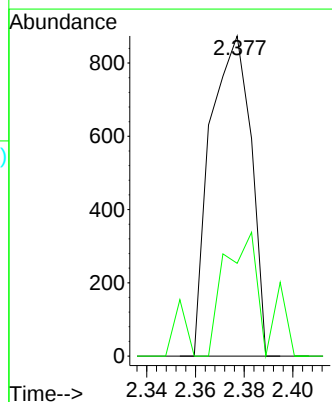
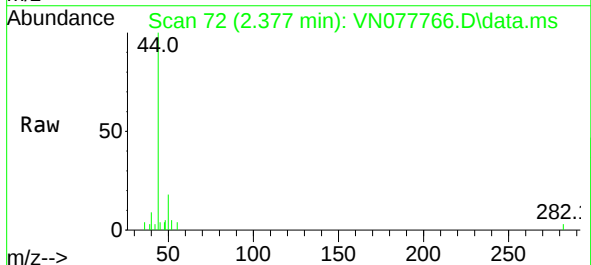
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

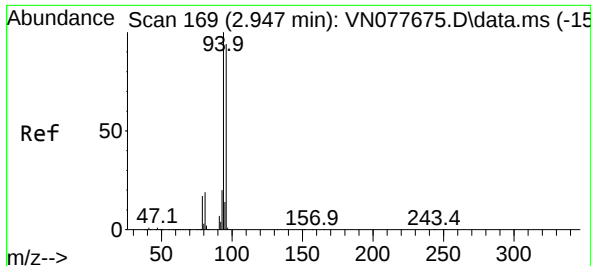
Tgt Ion:168 Resp: 383157
Ion Ratio Lower Upper
168 100
99 65.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion: 50 Resp: 1010
Ion Ratio Lower Upper
50 100
52 11.3 26.5 39.7#

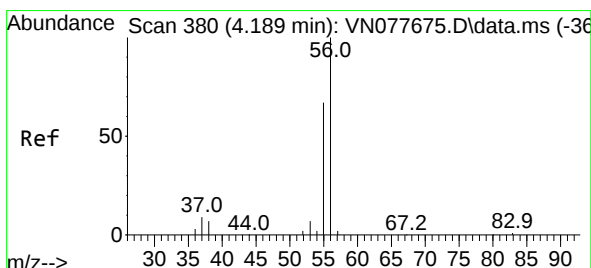
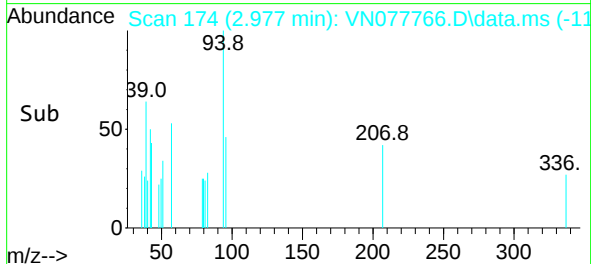
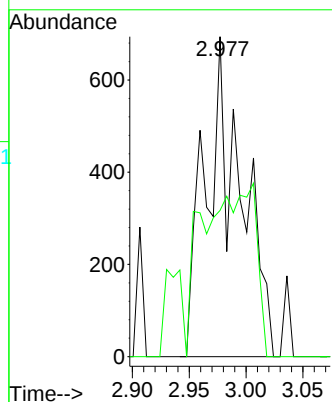
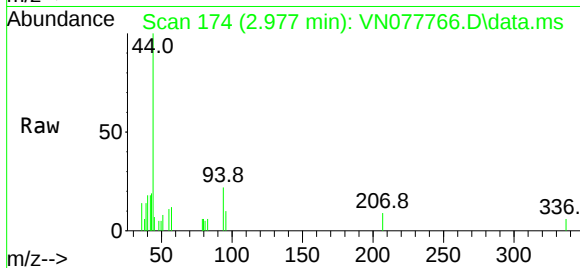




#5
Bromomethane
Concen: 0.368 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

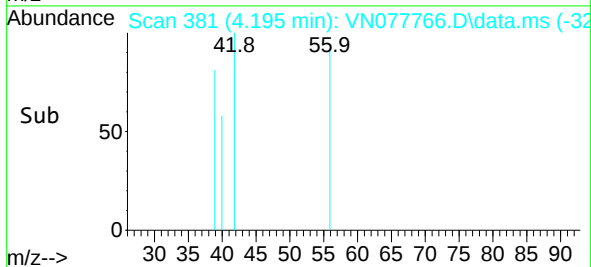
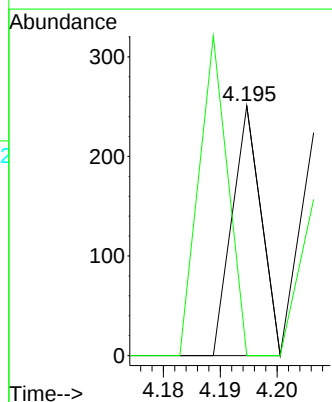
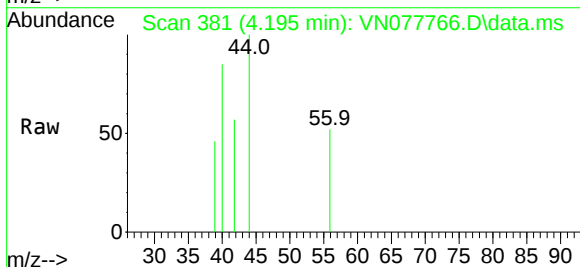
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

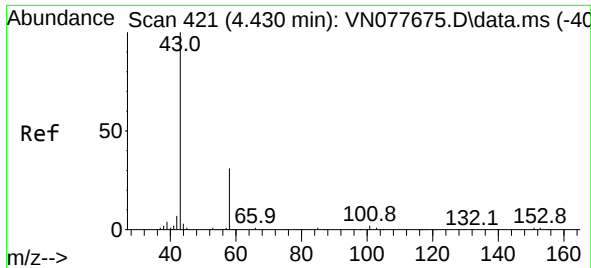
Tgt Ion: 94 Resp: 1498
Ion Ratio Lower Upper
94 100
96 45.7 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 127.0 54.5 81.7#





#16

Acetone

Concen: 4.130 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

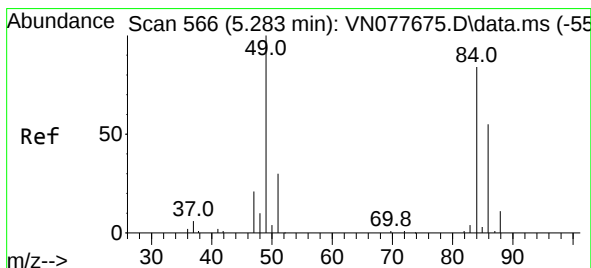
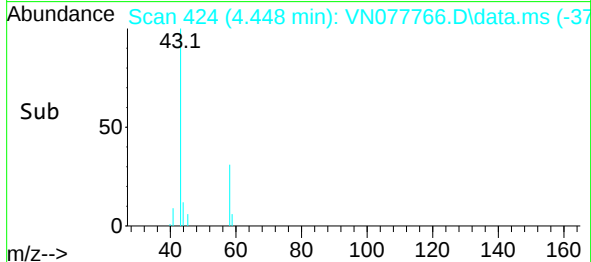
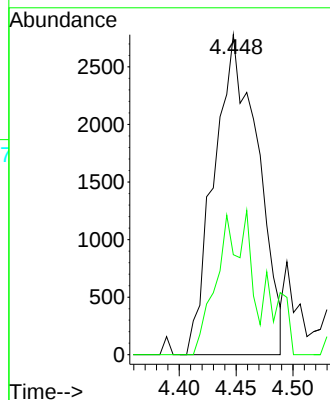
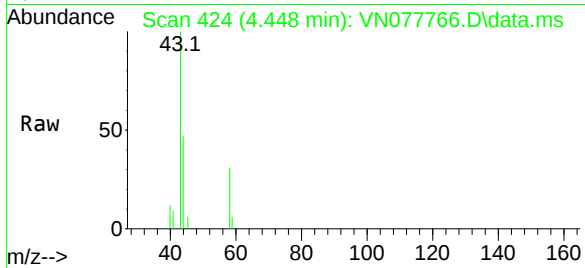
BP-VPB-RW11-GW-58-60

Tgt Ion: 43 Resp: 7450

Ion Ratio Lower Upper

43 100

58 31.3 28.0 42.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

Tgt Ion: 84 Resp: 234

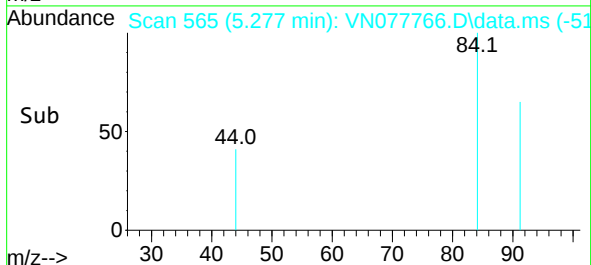
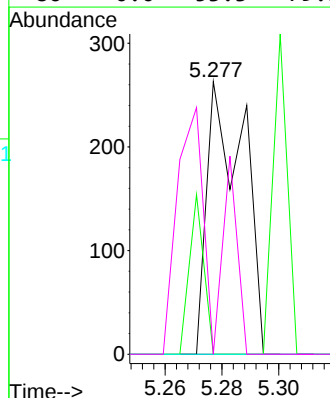
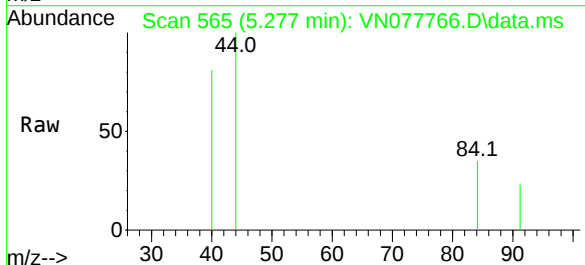
Ion Ratio Lower Upper

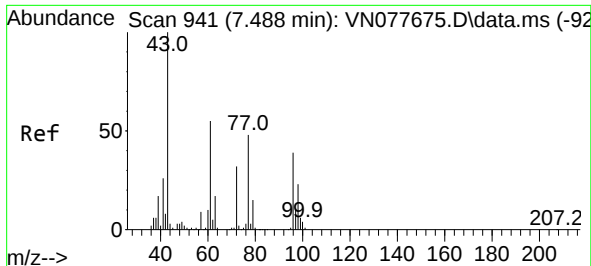
84 100

49 0.0 79.7 119.5#

51 0.0 25.2 37.8#

86 0.0 53.3 79.9#

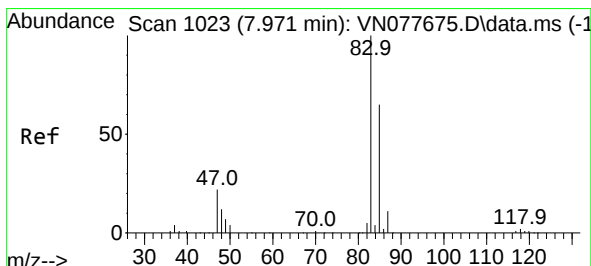
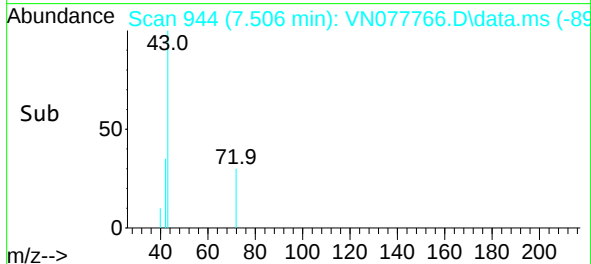
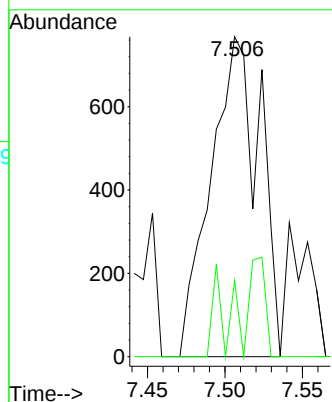
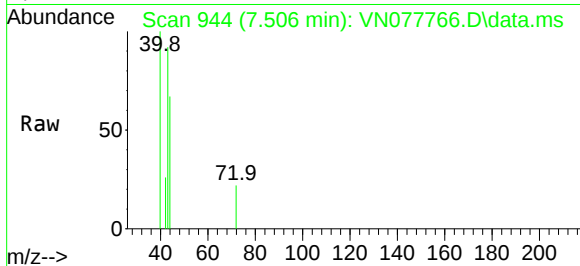




#25
2-Butanone
Concen: 0.599 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

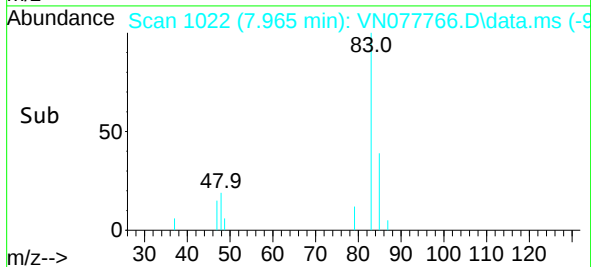
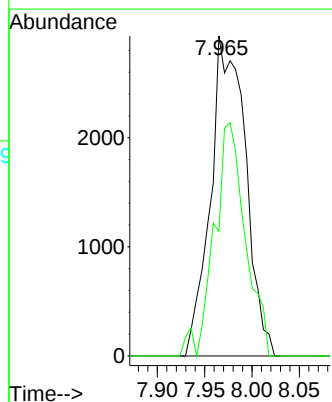
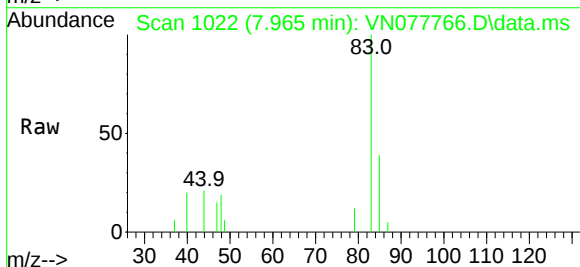
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

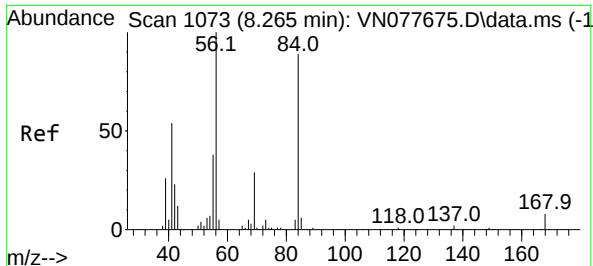
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
72 23.8 30.2 45.2#



#30
Chloroform
Concen: 0.805 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

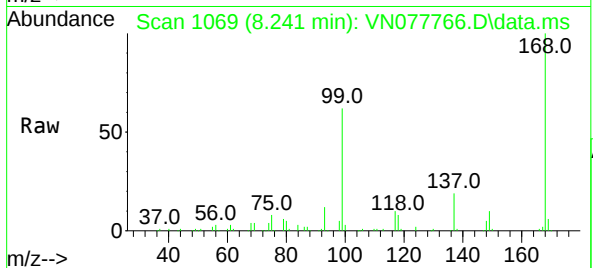
Tgt Ion: 83 Resp: 7532
Ion Ratio Lower Upper
83 100
85 38.9 55.4 83.0#



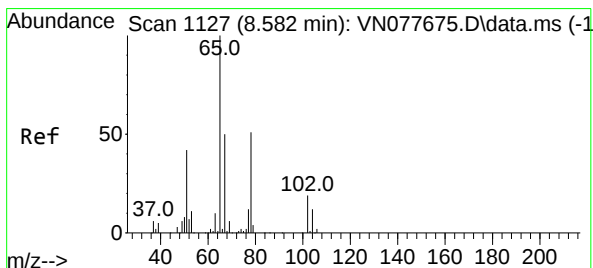
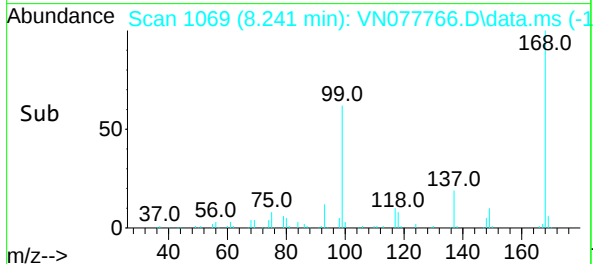
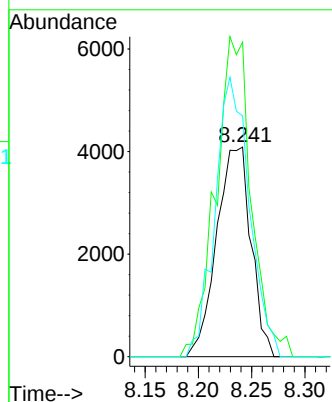


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

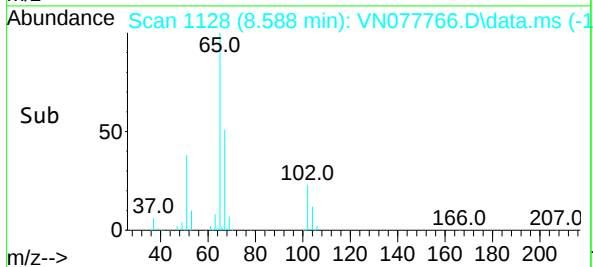
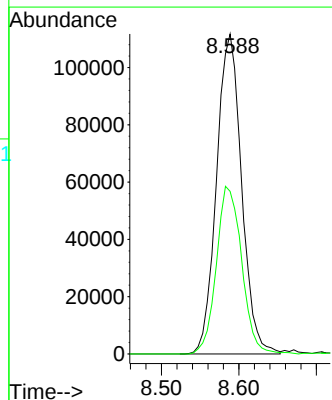
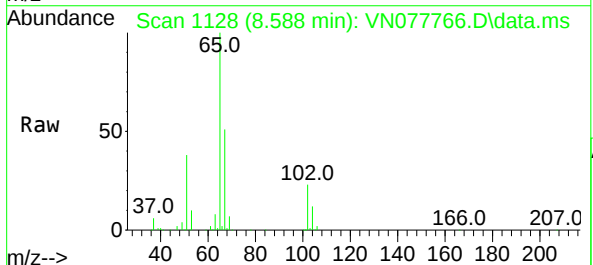


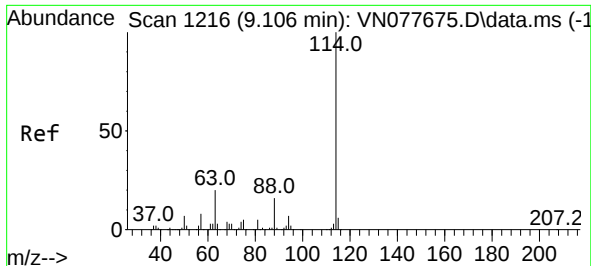
Tgt Ion: 56 Resp: 9171
Ion Ratio Lower Upper
56 100
69 150.1 26.8 40.2#
84 114.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 43.851 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion: 65 Resp: 251401
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

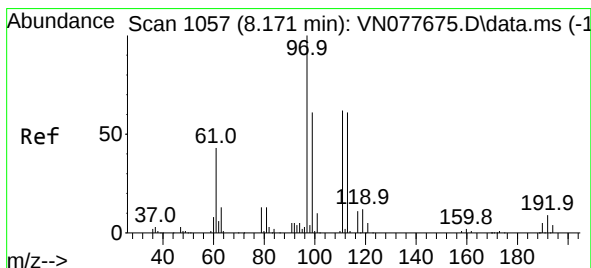
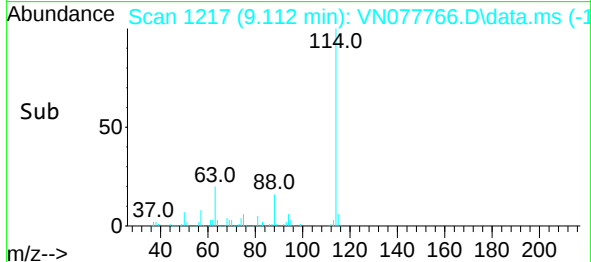
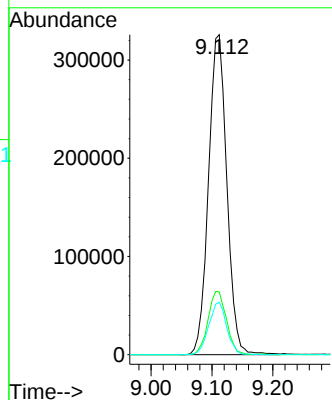
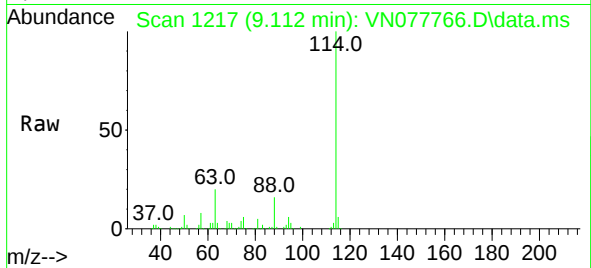




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

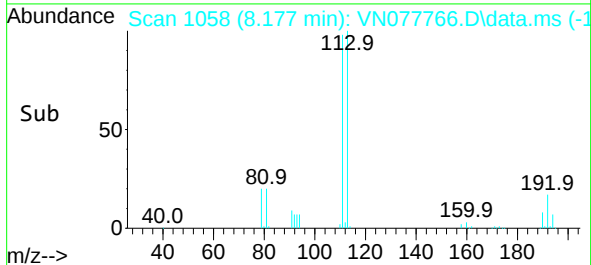
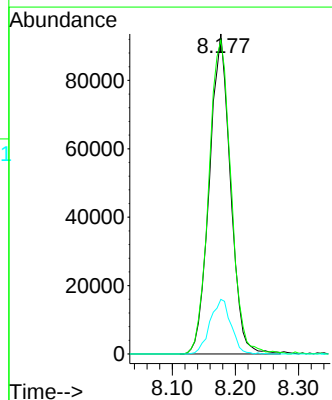
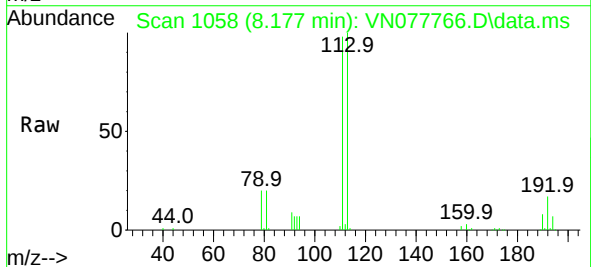
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ClientSampleId :
BP-VPB-RW11-GW-58-60

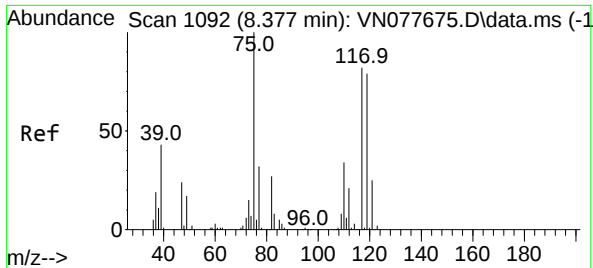
Tgt Ion:114 Resp: 680464
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.749 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion:113 Resp: 216310
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.838 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-58-60

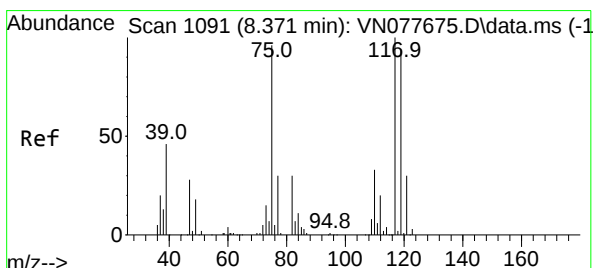
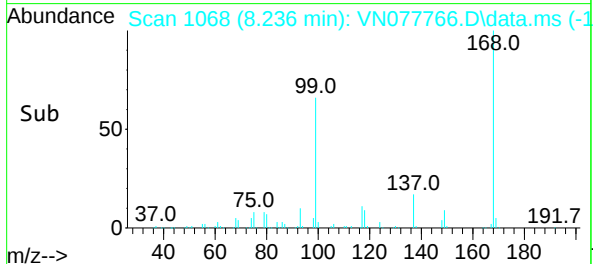
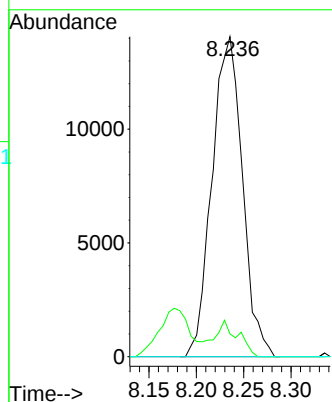
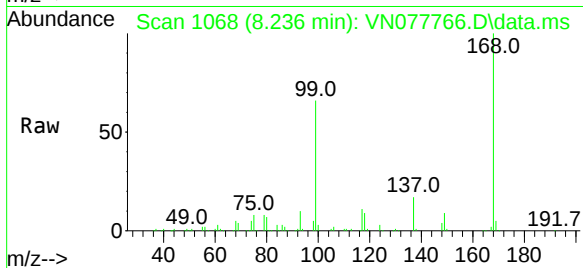
Tgt Ion: 75 Resp: 31402

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

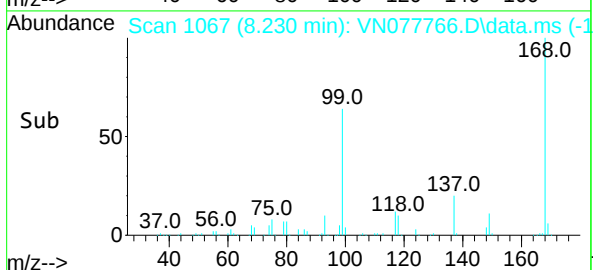
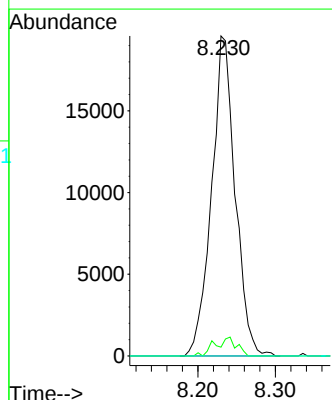
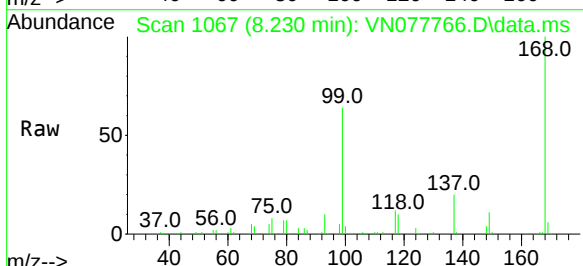
Tgt Ion: 117 Resp: 41423

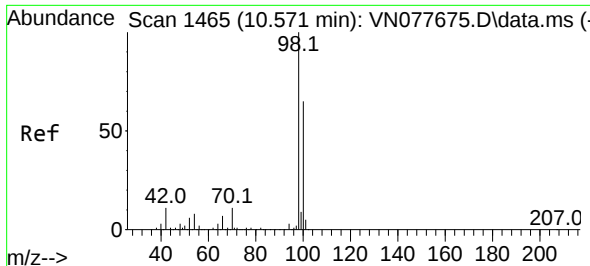
Ion Ratio Lower Upper

117 100

119 2.8 77.3 115.9#

121 0.0 23.3 34.9#

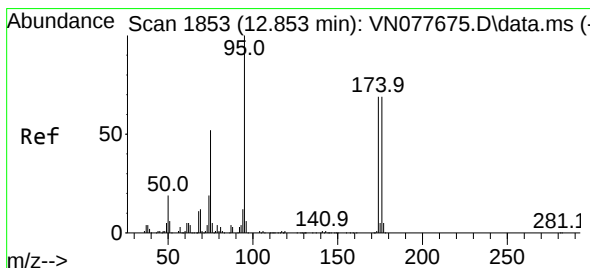
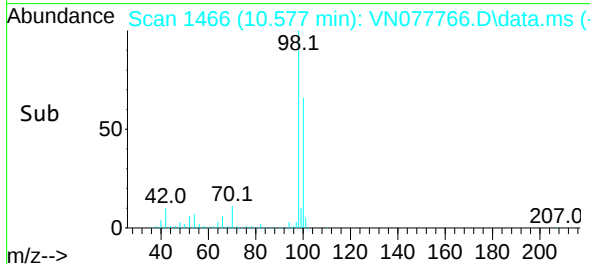
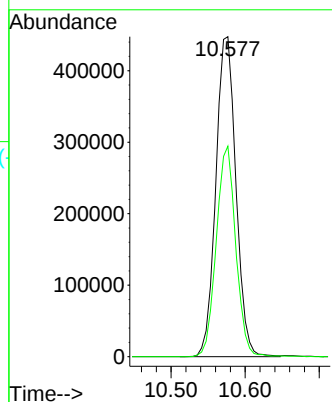
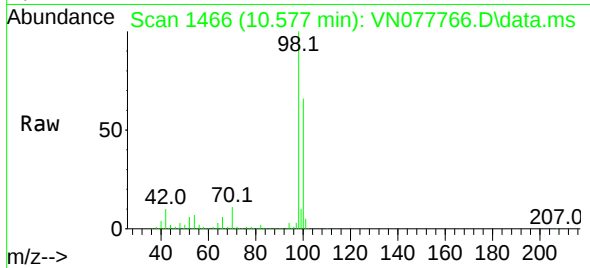




#50
Toluene-d8
Concen: 49.418 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

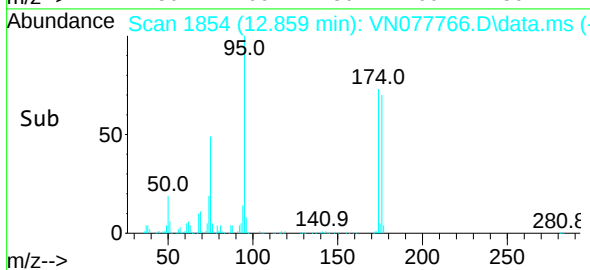
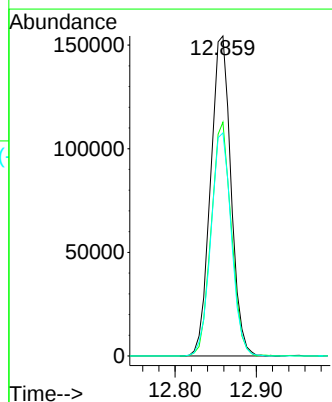
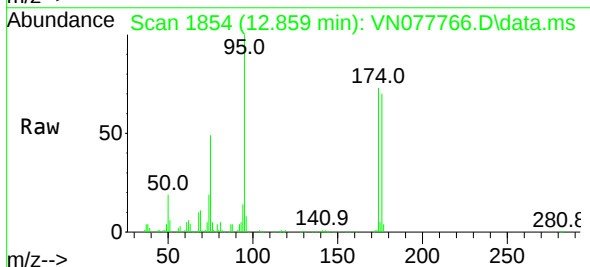
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

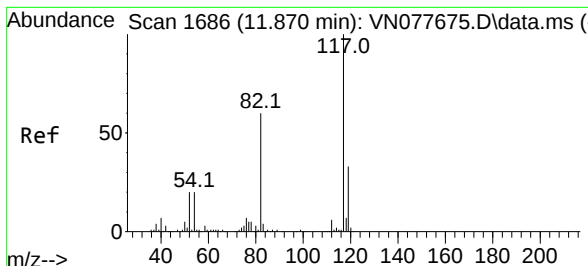
Tgt Ion: 98 Resp: 844017
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.674 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion: 95 Resp: 269478
Ion Ratio Lower Upper
95 100
174 71.7 0.0 143.8
176 69.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.877 min Scan# 1

Delta R.T. 0.007 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-58-60

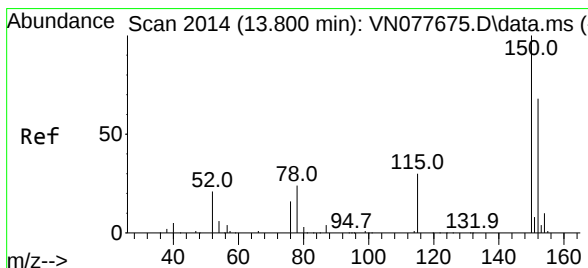
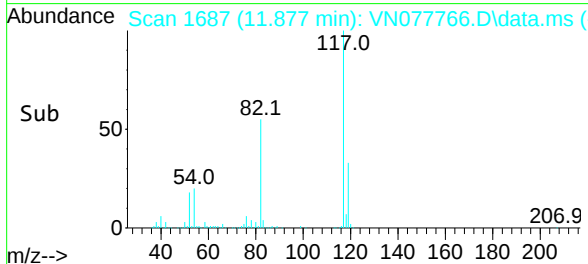
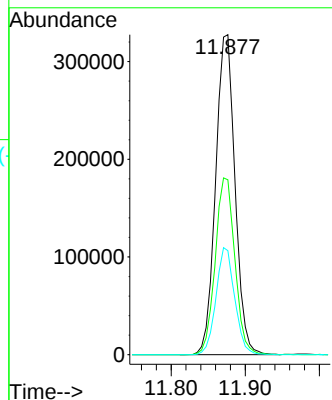
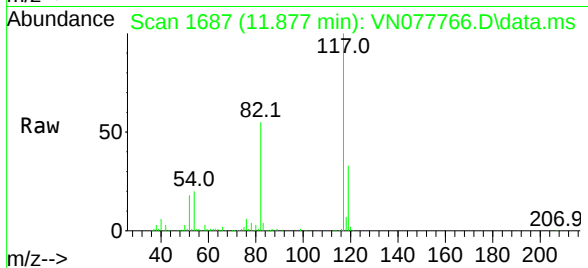
Tgt Ion:117 Resp: 595374

Ion Ratio Lower Upper

117 100

82 54.6 44.0 66.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077766.D

Acq: 19 May 2023 16:00

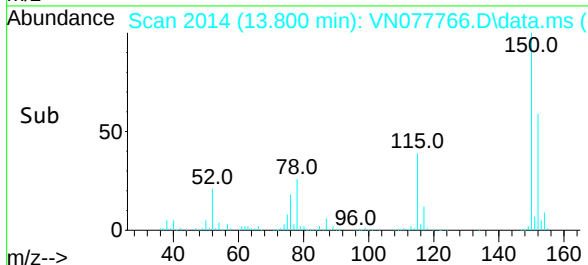
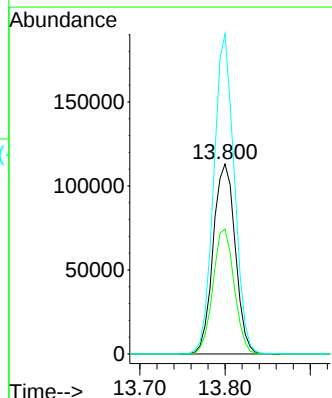
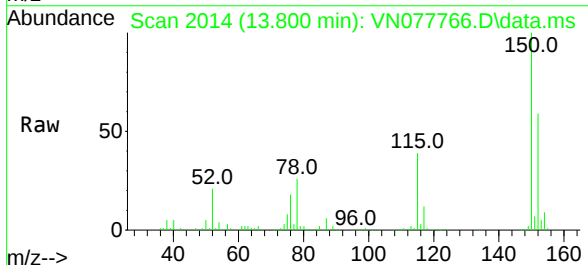
Tgt Ion:152 Resp: 203520

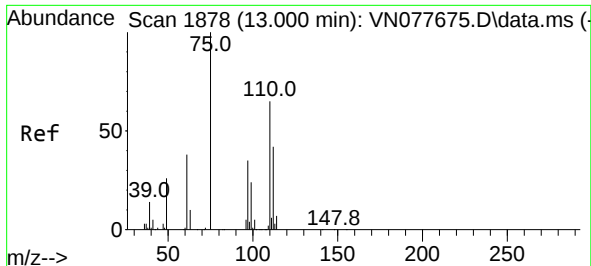
Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 156.9 0.0 355.8

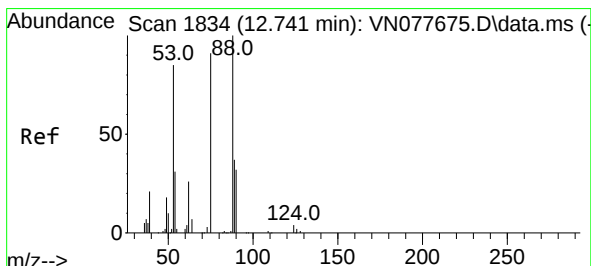
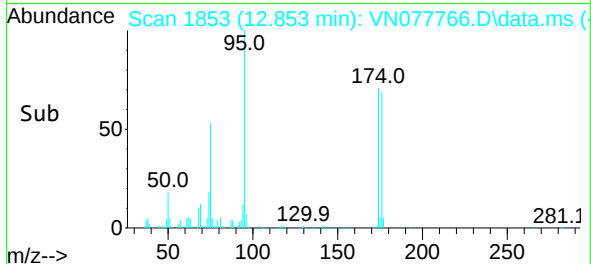
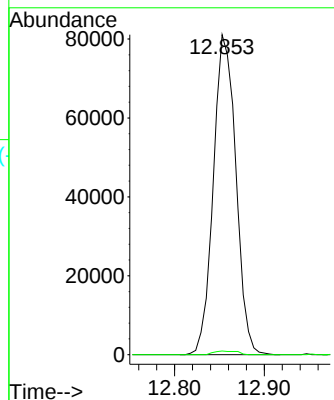
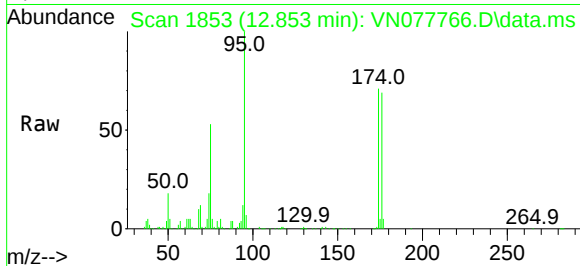




#76
1,2,3-Trichloropropane
Concen: 27.769 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-58-60

Tgt Ion: 75 Resp: 141533
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.763 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077766.D
Acq: 19 May 2023 16:00

Tgt Ion: 75 Resp: 141533
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

