

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077906.D
 Acq On : 25 May 2023 16:50
 Operator : JC\MD
 Sample : 02944-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-378-380

Quant Time: May 26 04:34:41 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)

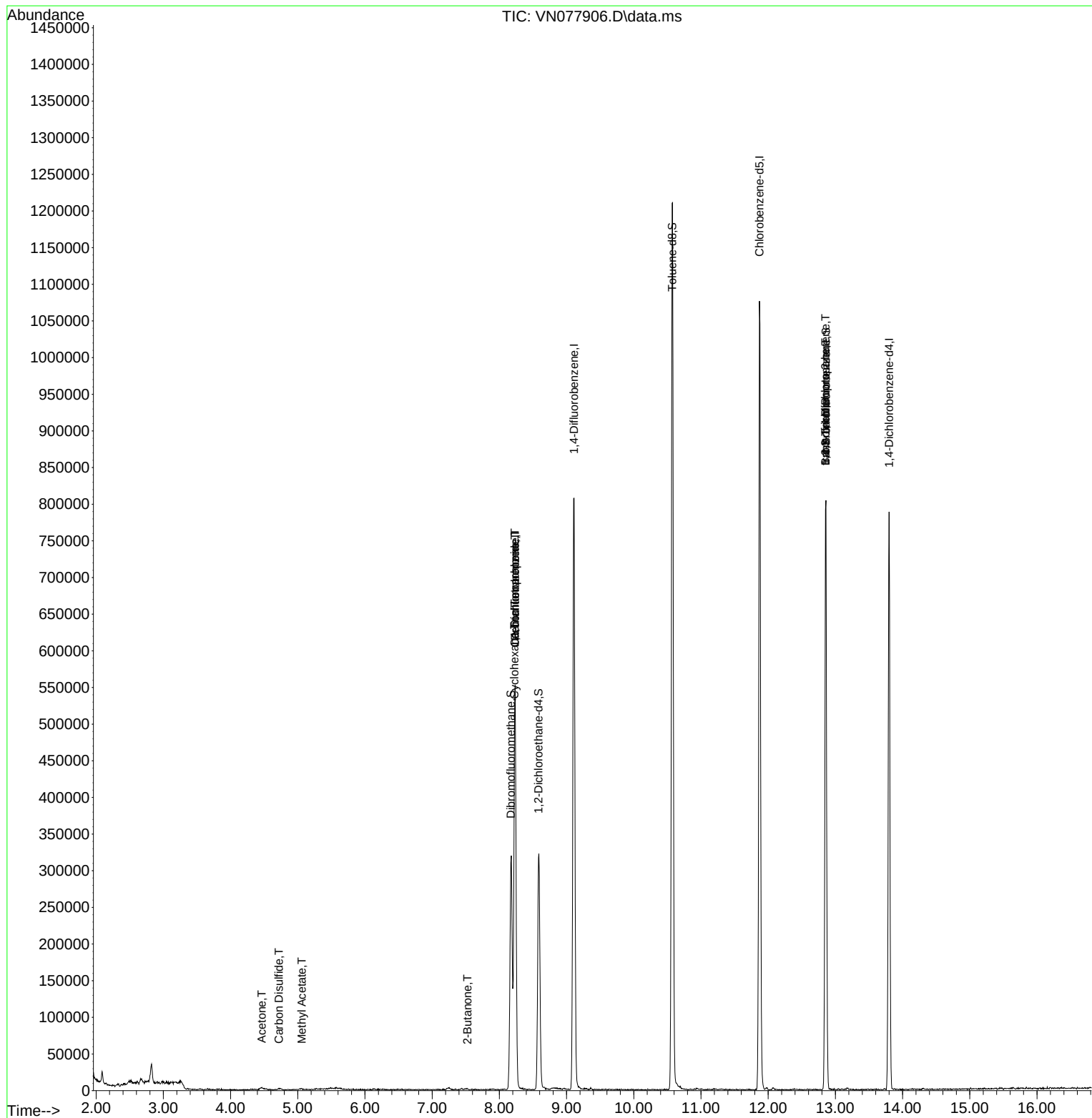
Internal Standards						
1) Pentafluorobenzene	8.235	168	393580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	738488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	655382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	213532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	273735	46.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.171	113	235776	48.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.920%		
50) Toluene-d8	10.571	98	902650	48.698	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.859	95	298088	45.535	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.060%		
Target Compounds						
3) Chloromethane	2.371	50	1514	Below Cal	#	74
13) Acrolein	4.159	56	57	Below Cal	#	16
16) Acetone	4.465	43	4211	2.273	ug/l #	86
17) Carbon Disulfide	4.718	76	3309	0.297	ug/l #	75
18) Methyl Acetate	5.059	43	2789	0.359	ug/l #	46
20) Methylene Chloride	5.277	84	427	Below Cal	#	57
25) 2-Butanone	7.524	43	1718	0.593	ug/l #	37
31) Cyclohexane	8.224	56	9562	1.195	ug/l #	53
36) 1,1-Dichloropropene	8.230	75	32856	4.665	ug/l #	48
38) Carbon Tetrachloride	8.230	117	42130	5.923	ug/l #	16
71) Bromoform	12.853	173	1766	0.540	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	157362	29.427	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157362	94.063	ug/l #	15

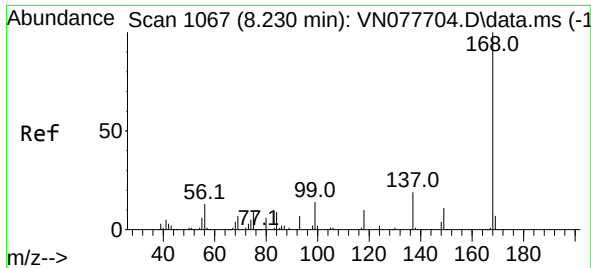
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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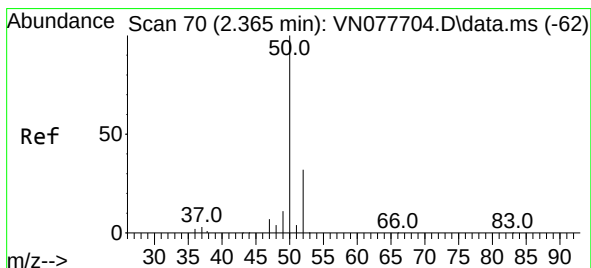
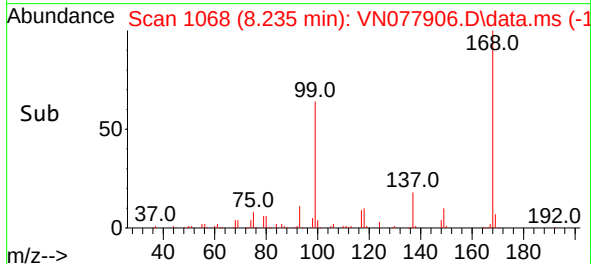
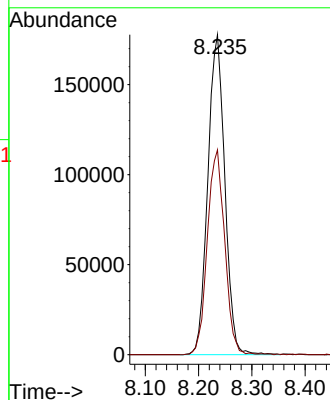
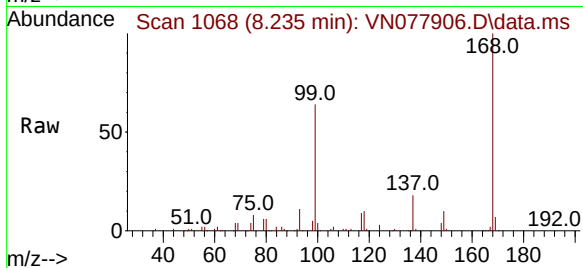




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

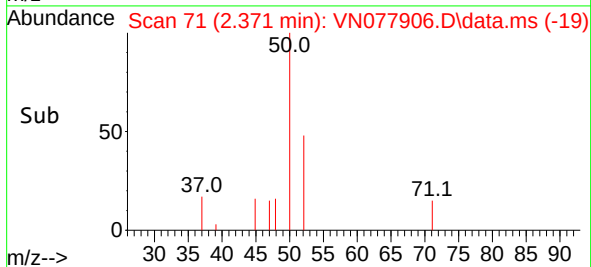
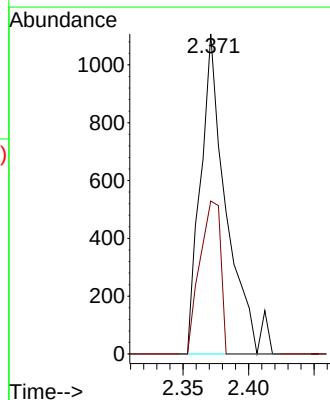
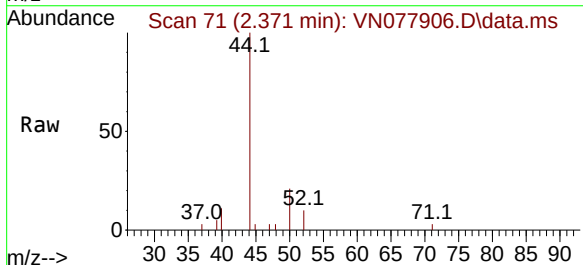
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-378-380

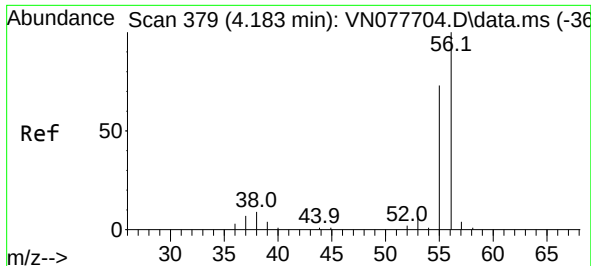
Tgt Ion:168 Resp: 393580
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

Tgt Ion: 50 Resp: 1514
Ion Ratio Lower Upper
50 100
52 47.8 26.5 39.7#

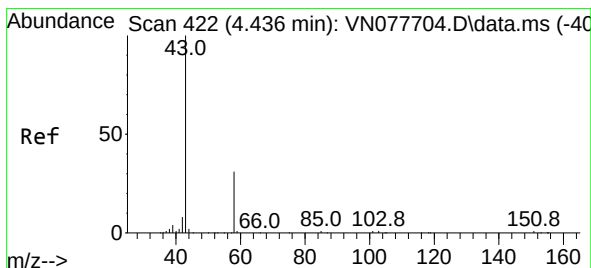
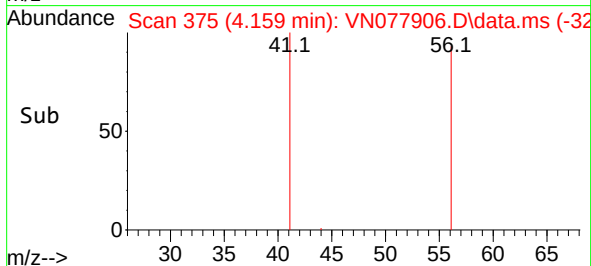
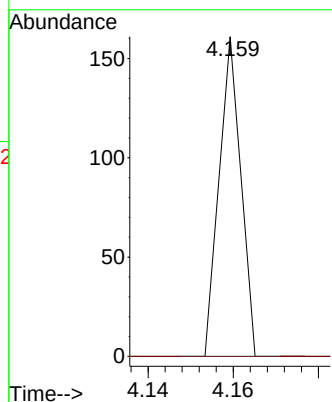
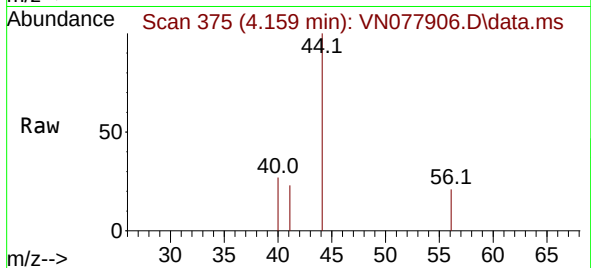




#13
Acrolein
Concen: Below Cal
RT: 4.159 min Scan# 31
Delta R.T. -0.030 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

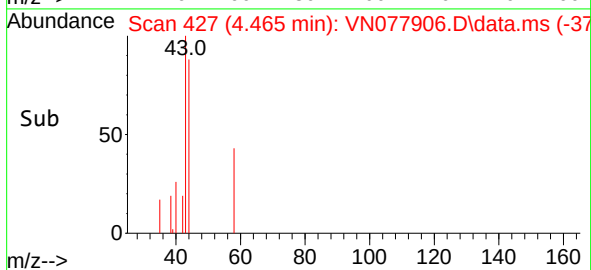
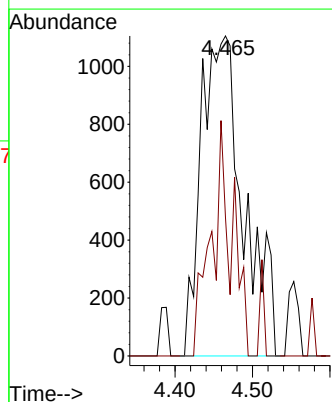
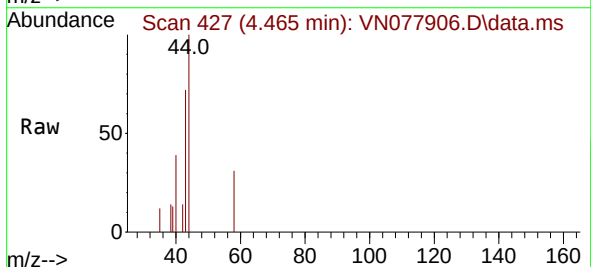
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-378-380

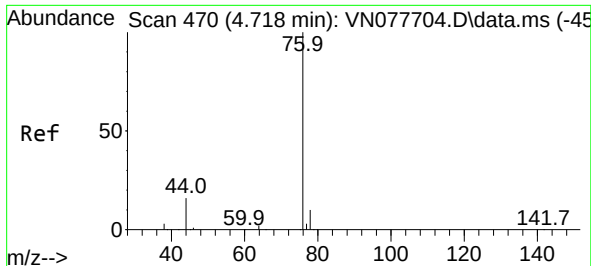
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 2.273 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.035 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

Tgt Ion: 43 Resp: 4211
Ion Ratio Lower Upper
43 100
58 43.3 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

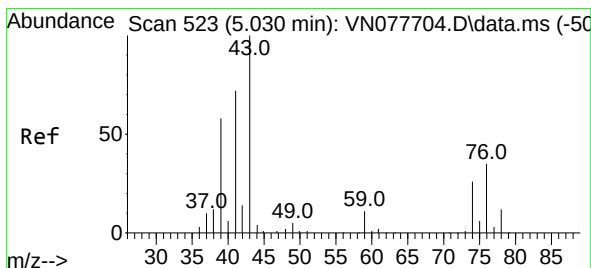
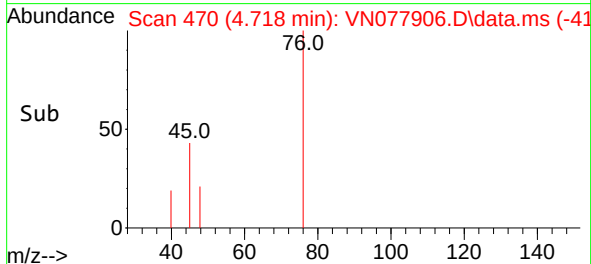
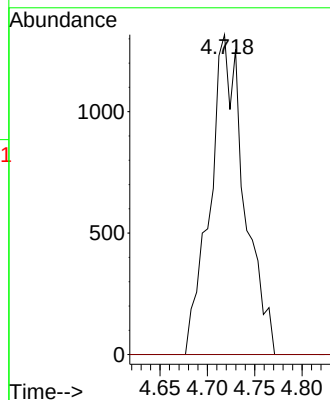
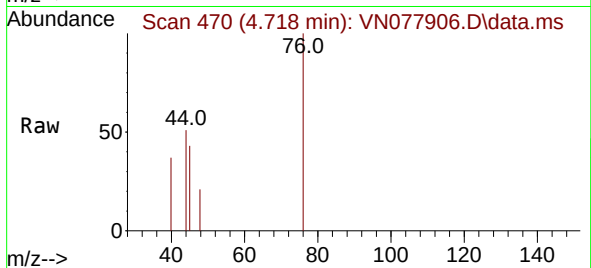
BP-VPB-RW11-GW-378-380

Tgt Ion: 76 Resp: 3309

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#18

Methyl Acetate

Concen: 0.359 ug/l

RT: 5.059 min Scan# 528

Delta R.T. 0.023 min

Lab File: VN077906.D

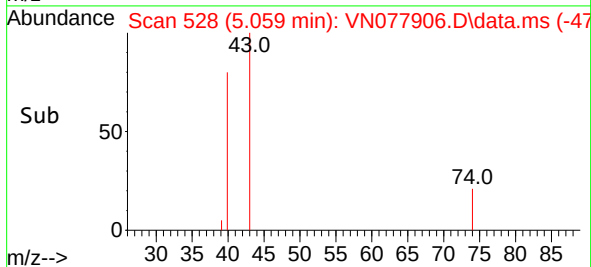
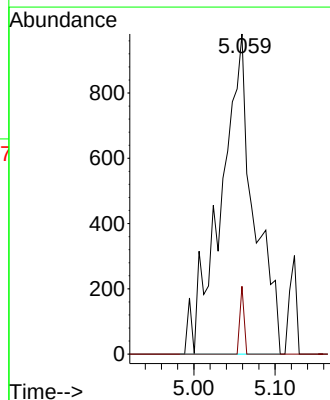
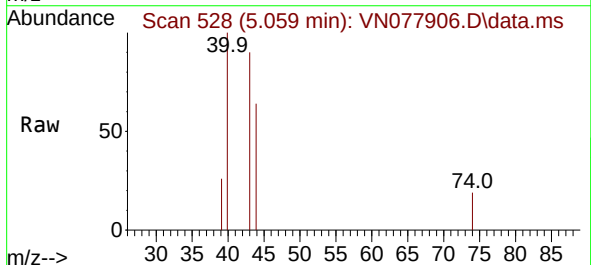
Acq: 25 May 2023 16:50

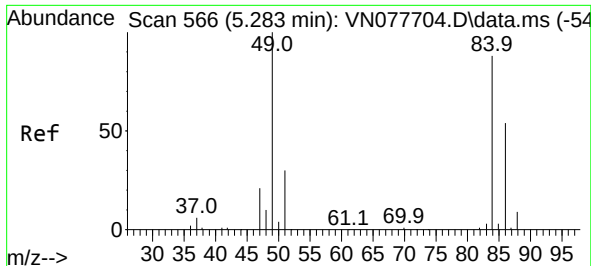
Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

43 100

74 2.6 26.2 39.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN077906.D

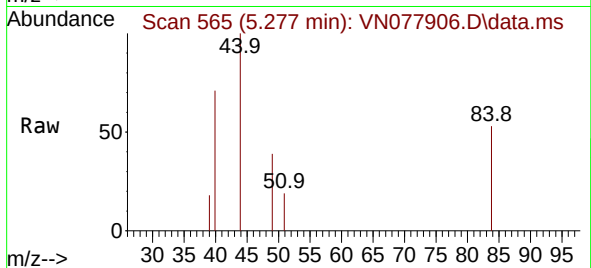
Acq: 25 May 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-378-380



Tgt Ion: 84 Resp: 427

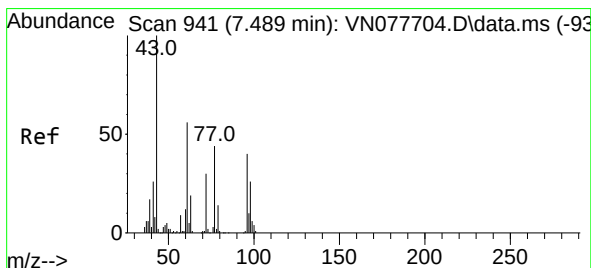
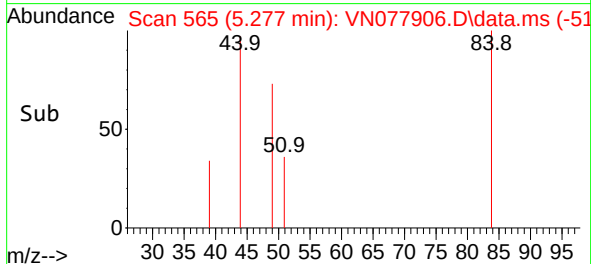
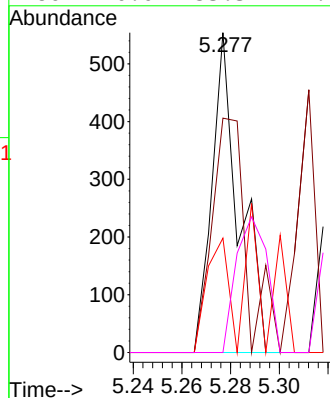
Ion Ratio Lower Upper

84 100

49 73.3 79.7 119.5#

51 35.7 25.2 37.8

86 0.0 53.3 79.9#



#25

2-Butanone

Concen: 0.593 ug/l

RT: 7.524 min Scan# 947

Delta R.T. 0.036 min

Lab File: VN077906.D

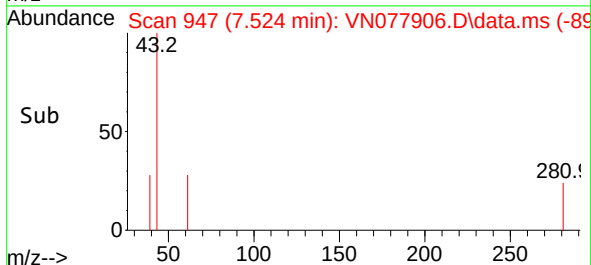
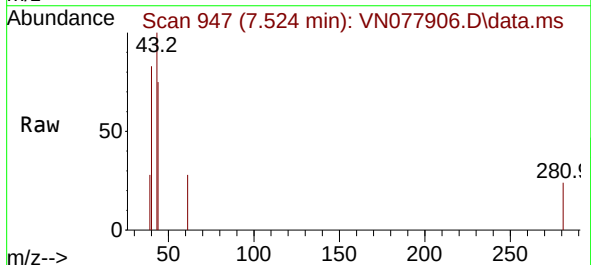
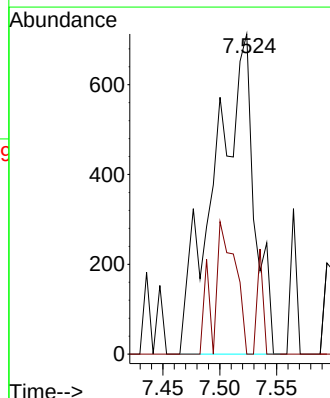
Acq: 25 May 2023 16:50

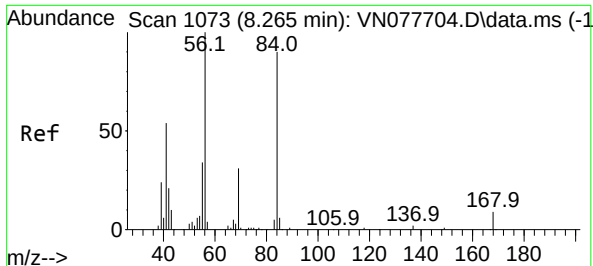
Tgt Ion: 43 Resp: 1718

Ion Ratio Lower Upper

43 100

72 0.0 30.2 45.2#

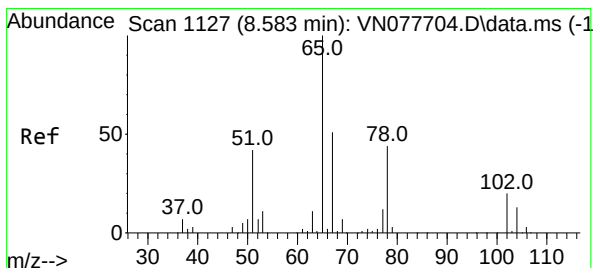
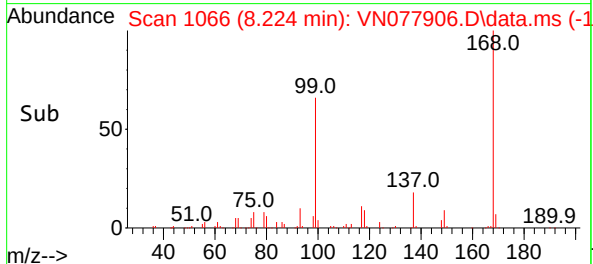
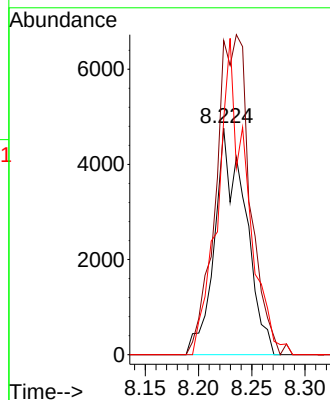
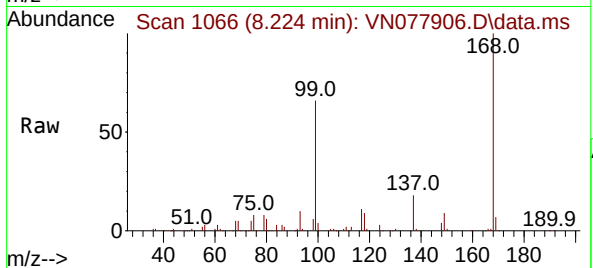




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

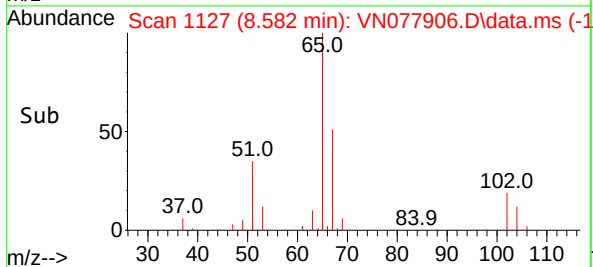
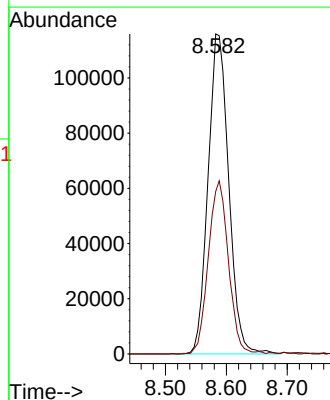
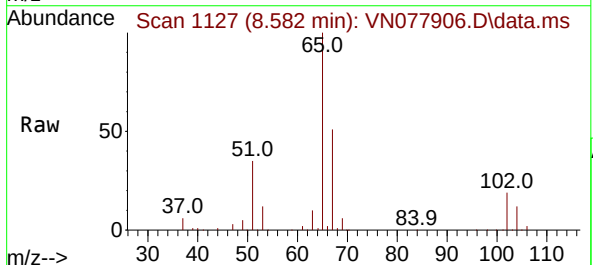
Instrument :
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BP-VPB-RW11-GW-378-380

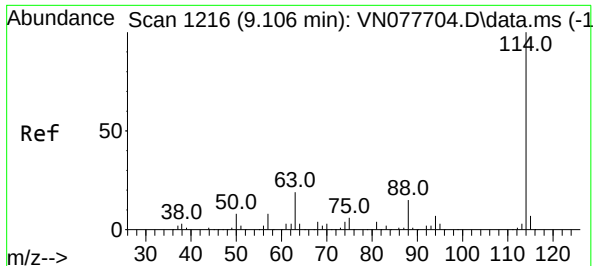
Tgt Ion: 56 Resp: 9562
Ion Ratio Lower Upper
56 100
69 138.8 26.8 40.2#
84 104.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.483 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

Tgt Ion: 65 Resp: 273735
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-378-380

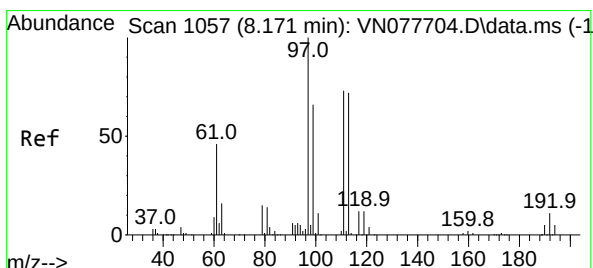
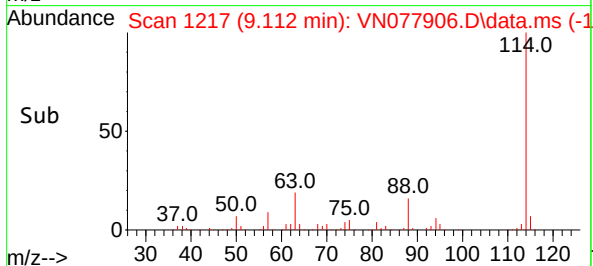
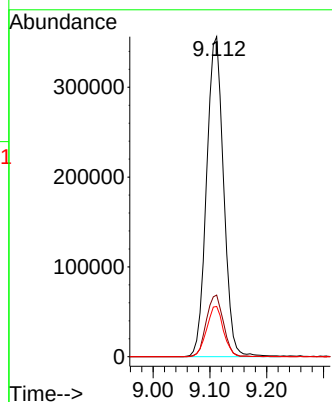
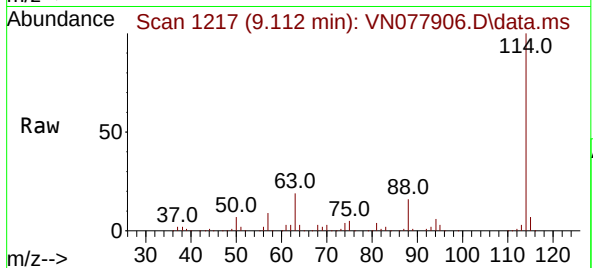
Tgt Ion:114 Resp: 738488

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.961 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

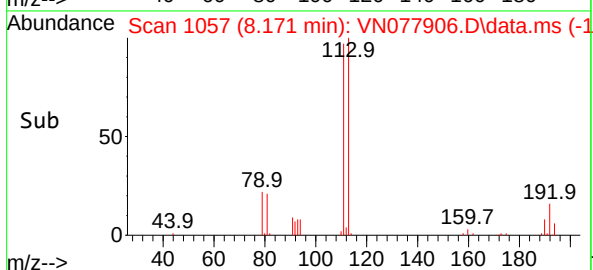
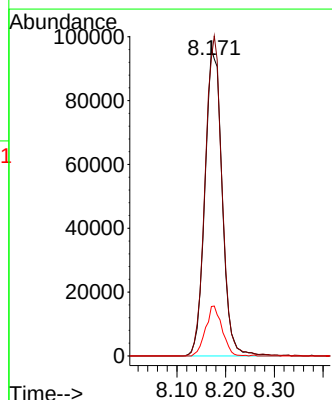
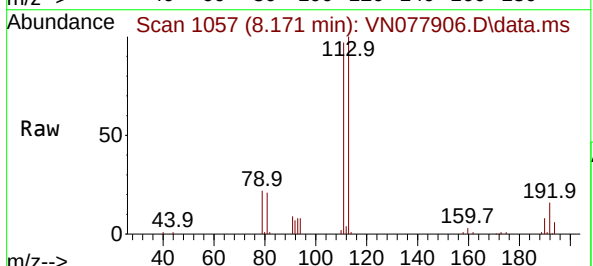
Tgt Ion:113 Resp: 235776

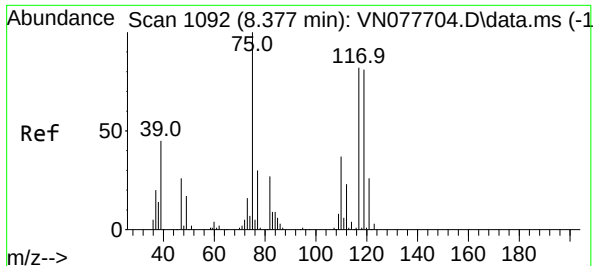
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 15.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077906.D

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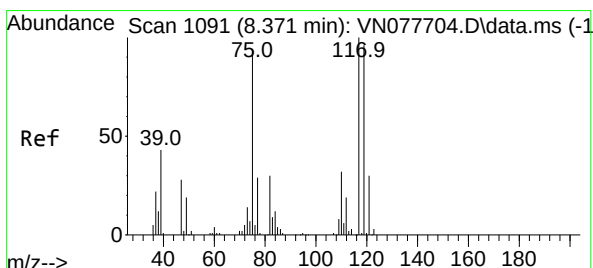
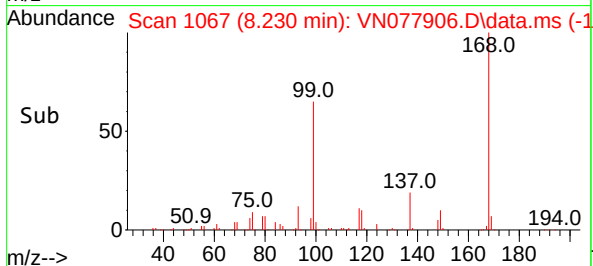
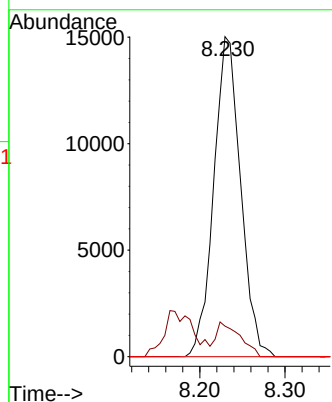
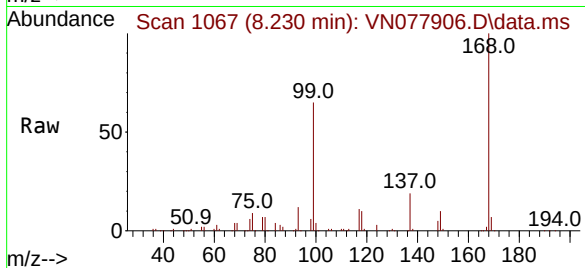
Tgt Ion: 75 Resp: 32856

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

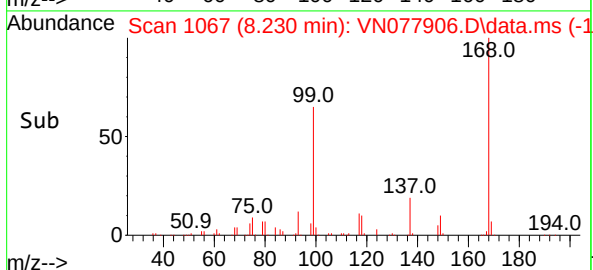
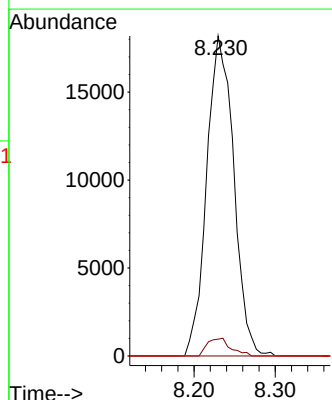
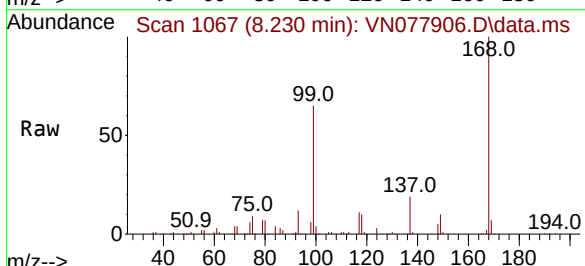
Tgt Ion: 117 Resp: 42130

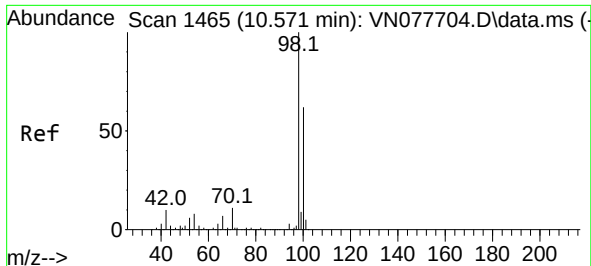
Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#

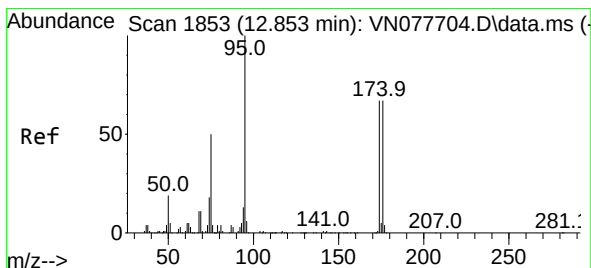
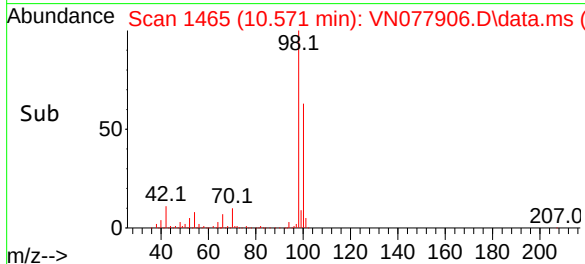
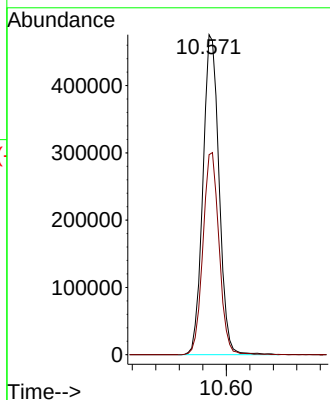
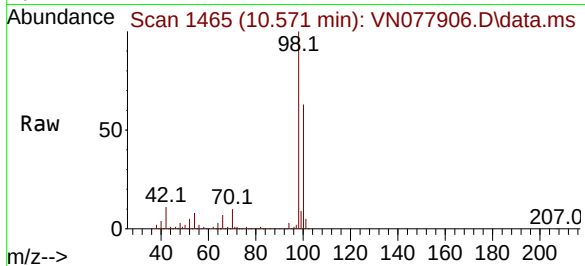




#50
Toluene-d8
Concen: 48.698 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

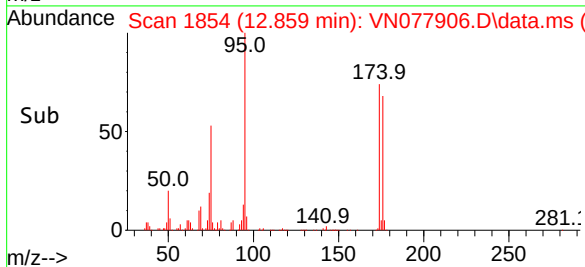
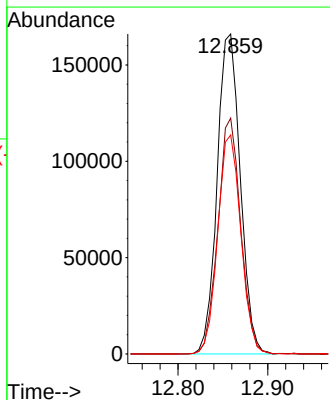
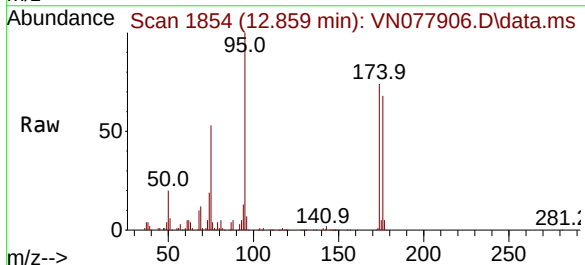
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-GW-378-380

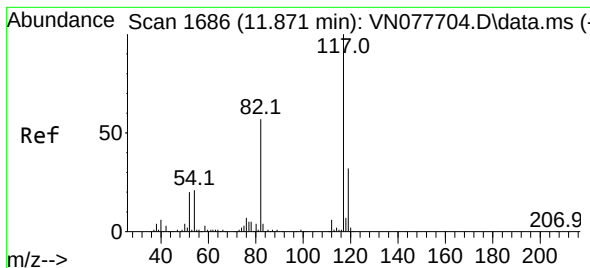
Tgt Ion: 98 Resp: 902650
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.535 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077906.D
Acq: 25 May 2023 16:50

Tgt Ion: 95 Resp: 298088
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 68.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-378-380

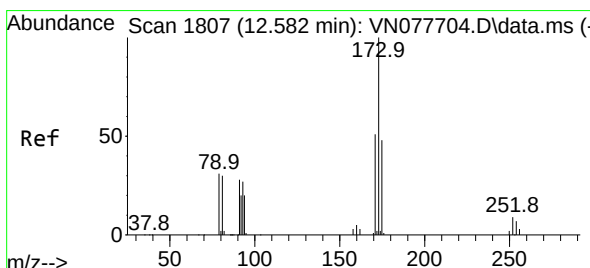
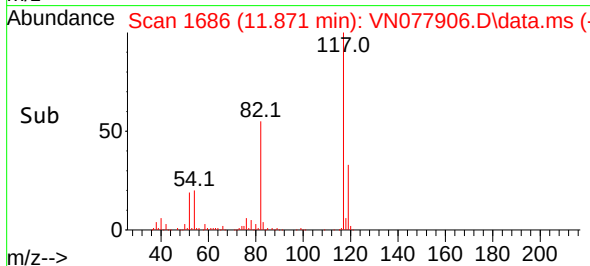
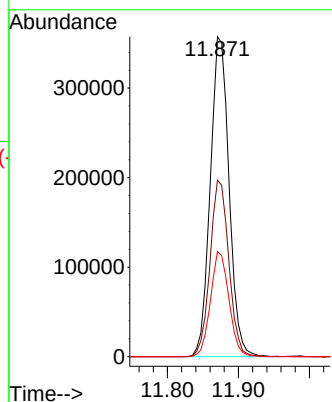
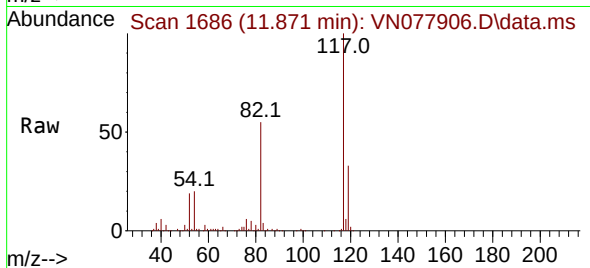
Tgt Ion:117 Resp: 655382

Ion Ratio Lower Upper

117 100

82 55.1 44.0 66.0

119 32.9 25.6 38.4



#71

Bromoform

Concen: 0.540 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN077906.D

Acq: 25 May 2023 16:50

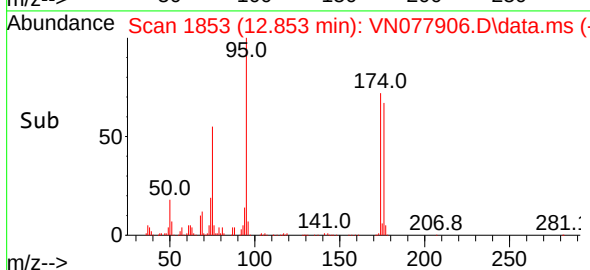
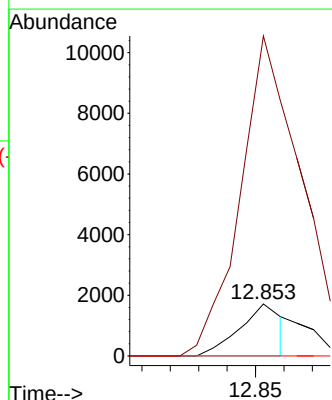
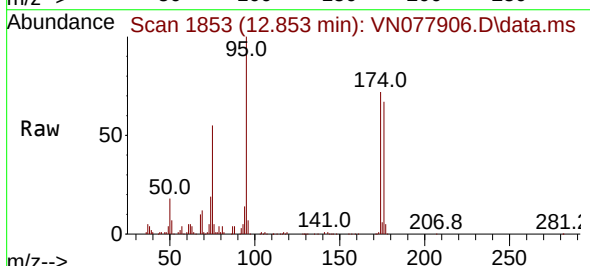
Tgt Ion:173 Resp: 1766

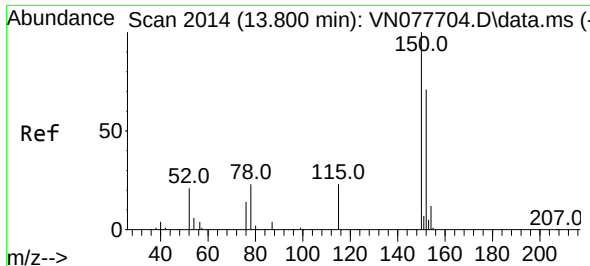
Ion Ratio Lower Upper

173 100

175 616.1 24.3 73.0#

254 0.0 0.0 0.0

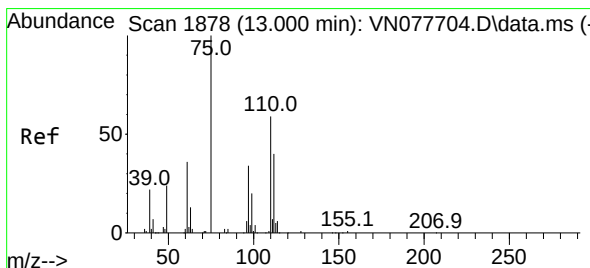
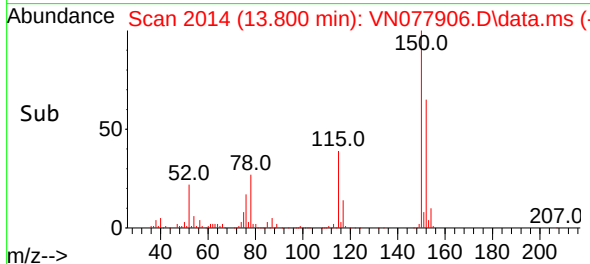
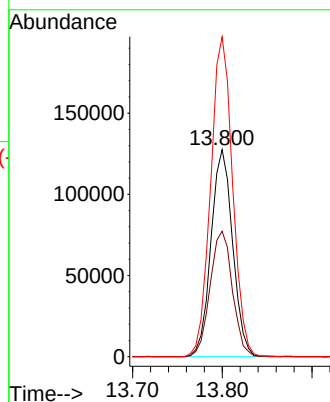
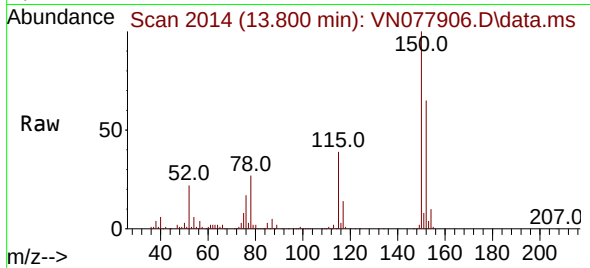




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077906.D
 Acq: 25 May 2023 16:50

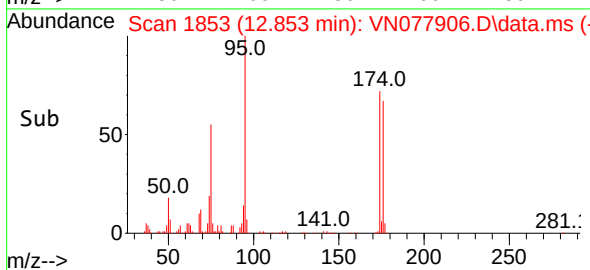
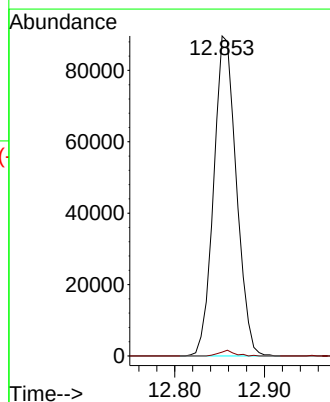
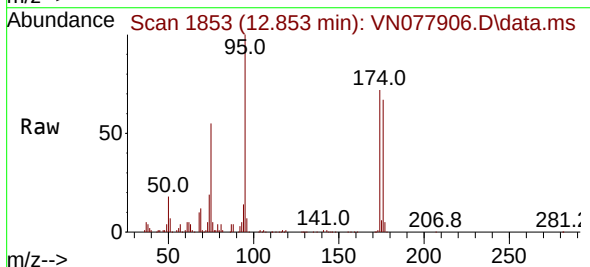
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-378-380

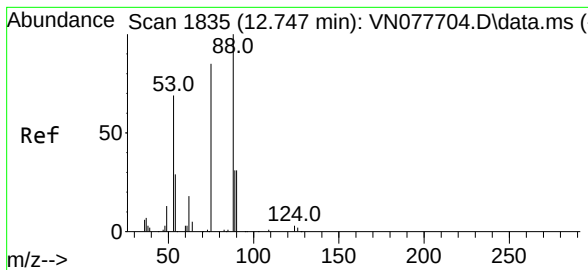
Tgt Ion:152 Resp: 213532
 Ion Ratio Lower Upper
 152 100
 115 62.5 32.3 96.8
 150 156.5 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.427 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN077906.D
 Acq: 25 May 2023 16:50

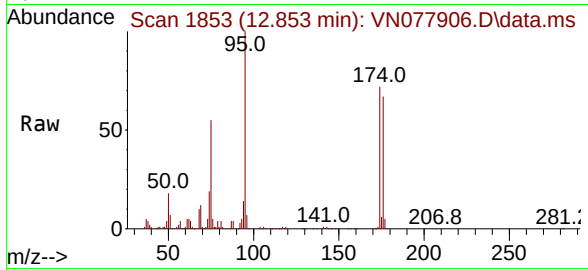
Tgt Ion: 75 Resp: 157362
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.063 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077906.D
 Acq: 25 May 2023 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-378-380



Tgt Ion: 75 Resp: 157362
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

