

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077770.D
 Acq On : 19 May 2023 17:35
 Operator : JC\MD
 Sample : 02862-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-DUP-20230517

Quant Time: May 29 09:51:33 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)

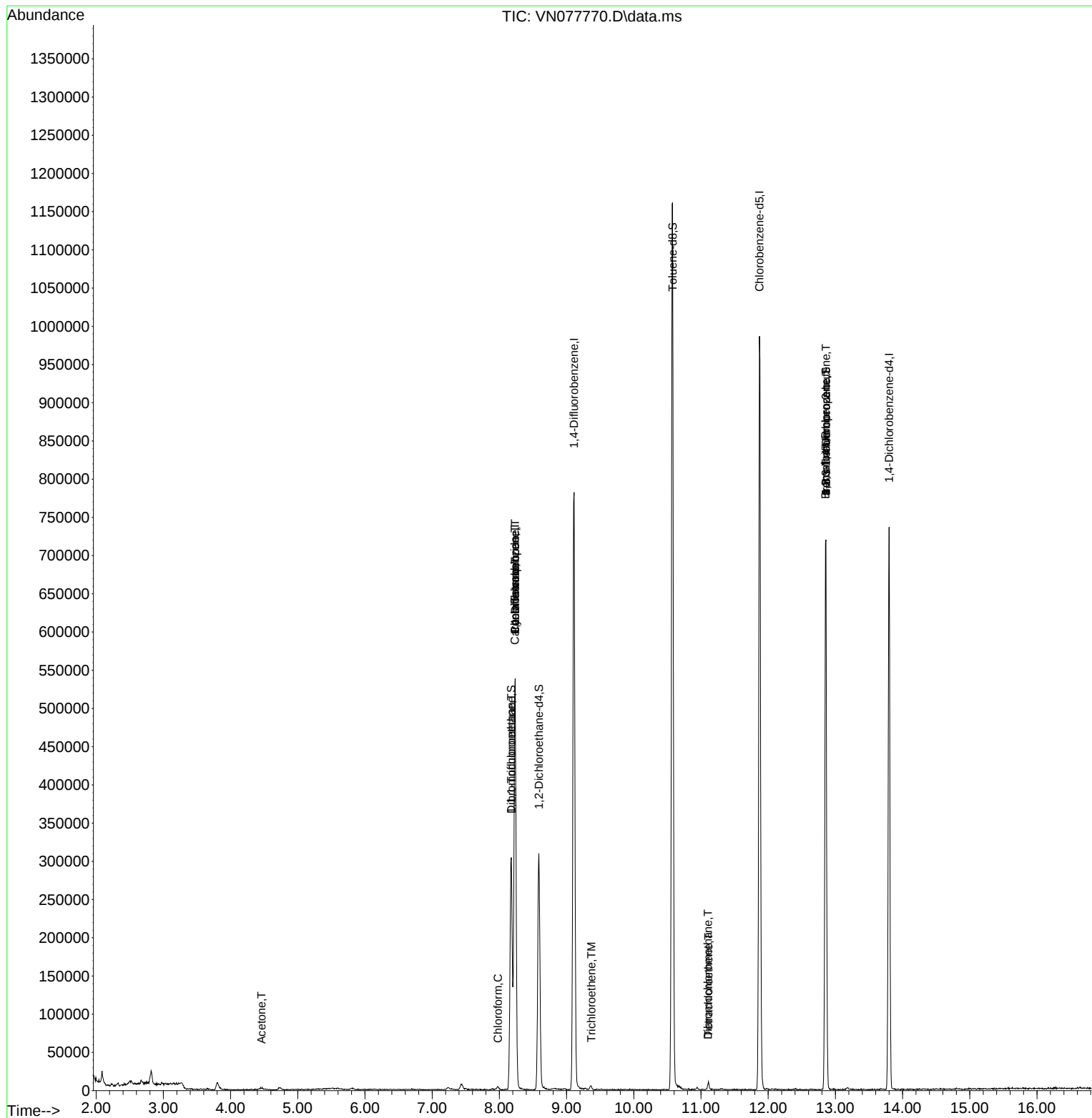
Internal Standards						
1) Pentafluorobenzene	8.235	168	387125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	702541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	597882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257903	44.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.040%		
35) Dibromofluoromethane	8.177	113	220655	48.165	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.576	98	858382	48.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.360%		
62) 4-Bromofluorobenzene	12.859	95	268914	43.180	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.360%		
Target Compounds						
3) Chloromethane	2.371	50	1034	Below Cal	#	52
13) Acrolein	4.195	56	120	Below Cal		88
16) Acetone	4.459	43	4024	2.208	ug/l	94
20) Methylene Chloride	5.289	84	127	Below Cal	#	24
30) Chloroform	7.977	83	4244	0.449	ug/l	84
31) Cyclohexane	8.235	56	9139	1.161	ug/l #	27
32) 1,1,1-Trichloroethane	8.177	97	2552	0.318	ug/l #	48
36) 1,1-Dichloropropene	8.235	75	32549	4.858	ug/l #	48
38) Carbon Tetrachloride	8.230	117	43344	6.406	ug/l #	16
44) Trichloroethene	9.371	130	1708	0.341	ug/l	54
60) Dibromochloromethane	11.106	129	2115	0.419	ug/l #	11
64) Tetrachloroethene	11.112	164	1791	0.428	ug/l	86
71) Bromoform	12.853	173	1448	0.485	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	138587	28.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	138587	91.019	ug/l #	15

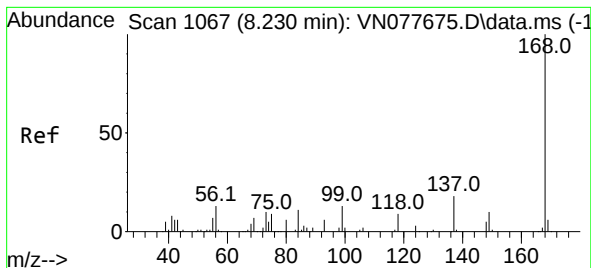
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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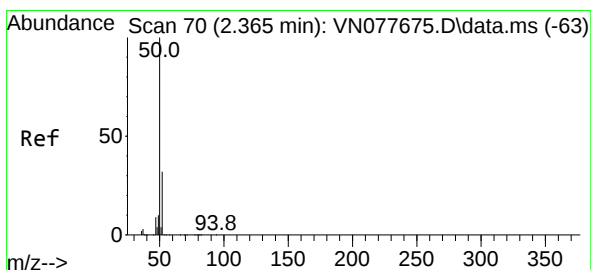
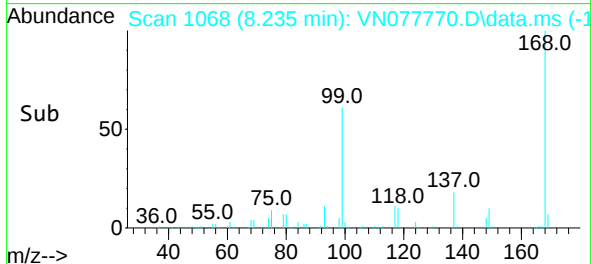
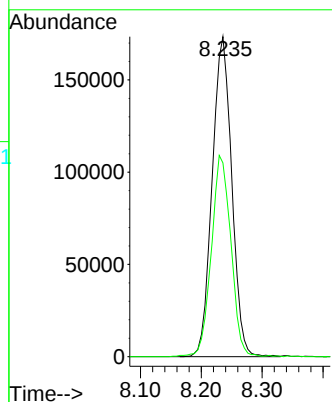
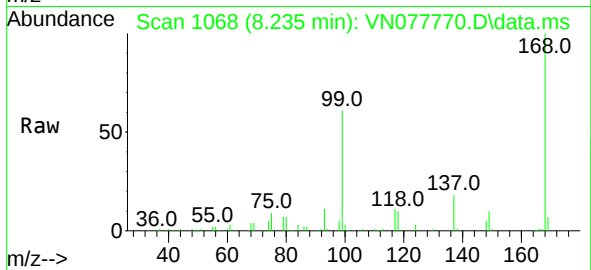




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

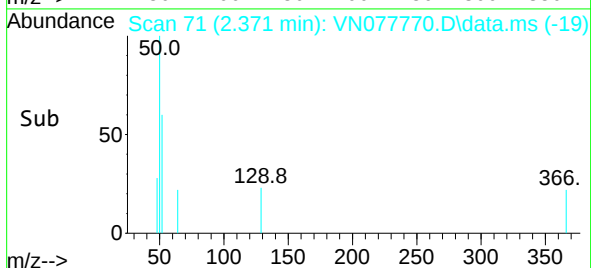
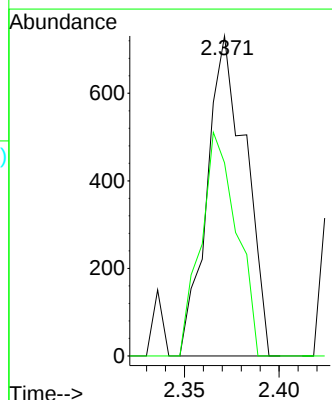
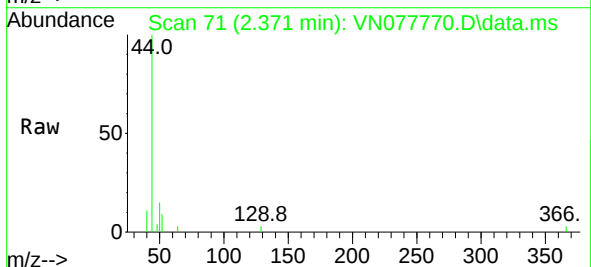
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-DUP-20230517

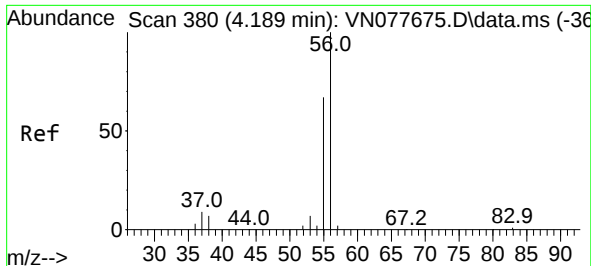
Tgt Ion:168 Resp: 387125
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Tgt Ion: 50 Resp: 1034
Ion Ratio Lower Upper
50 100
52 60.3 26.5 39.7#

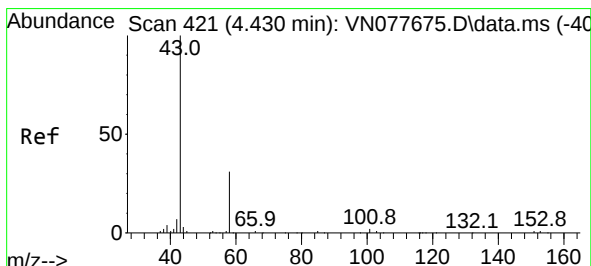
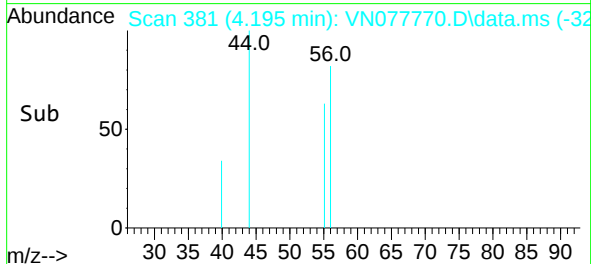
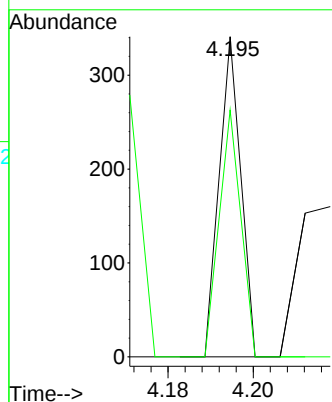
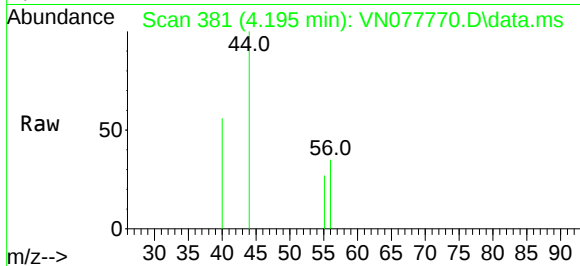




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

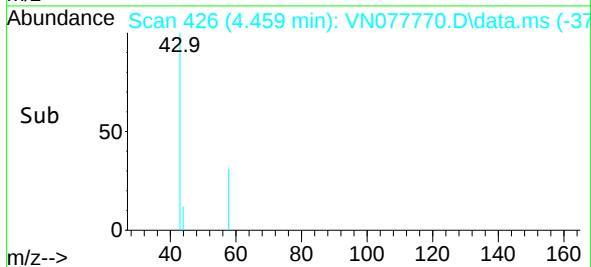
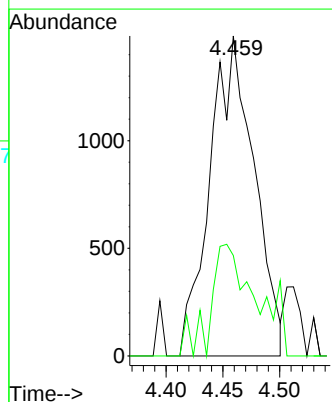
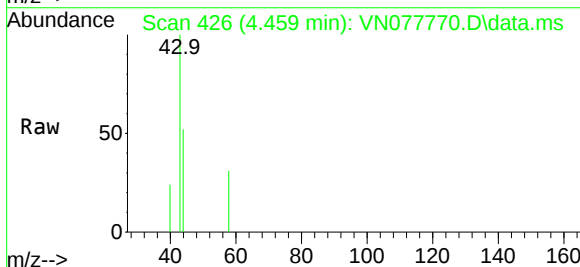
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-DUP-20230517

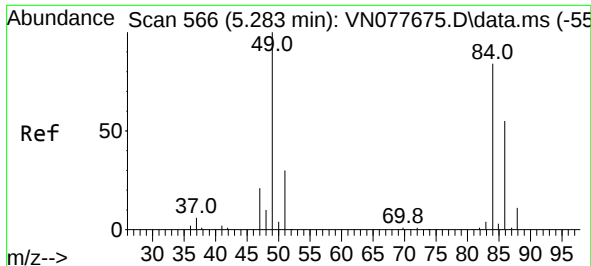
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 77.5 54.5 81.7



#16
Acetone
Concen: 2.208 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.029 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Tgt Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
58 31.4 28.0 42.0





#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN077770.D

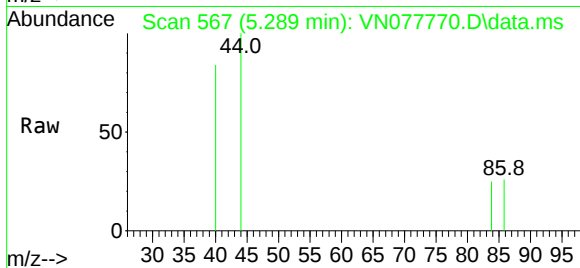
Acq: 19 May 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-DUP-20230517



Tgt Ion: 84 Resp: 127

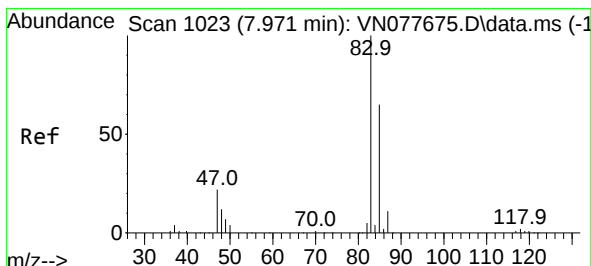
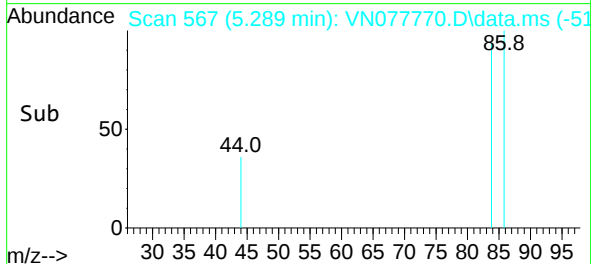
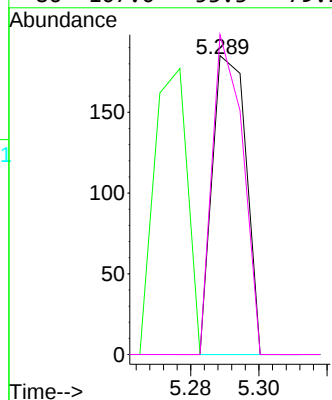
Ion Ratio Lower Upper

84 100

49 0.0 79.7 119.5#

51 0.0 25.2 37.8#

86 107.0 53.3 79.9#



#30

Chloroform

Concen: 0.449 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077770.D

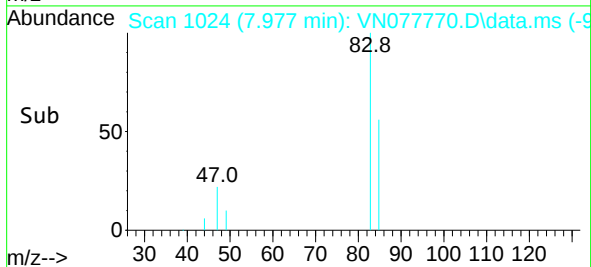
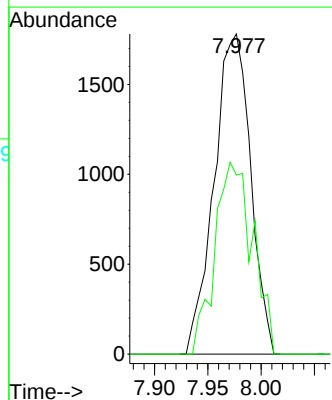
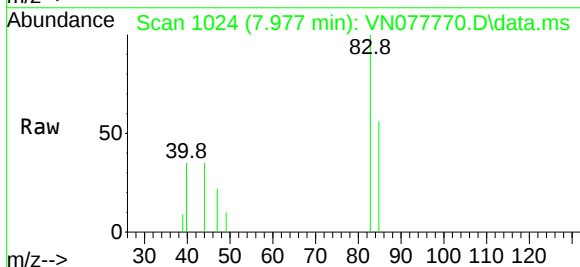
Acq: 19 May 2023 17:35

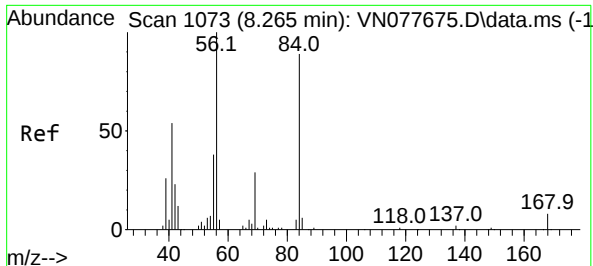
Tgt Ion: 83 Resp: 4244

Ion Ratio Lower Upper

83 100

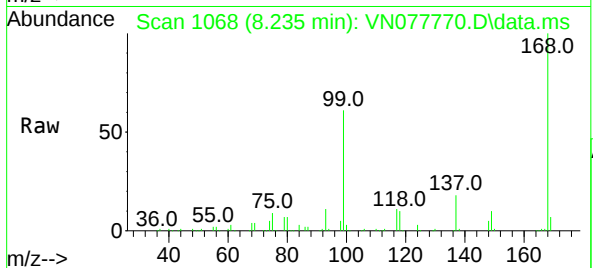
85 56.0 55.4 83.0



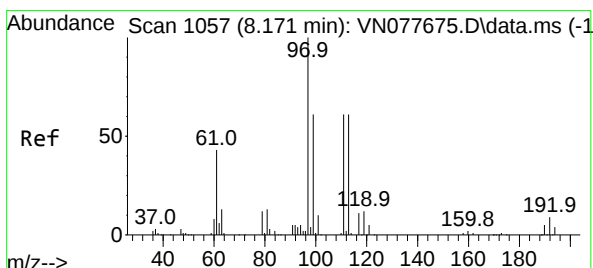
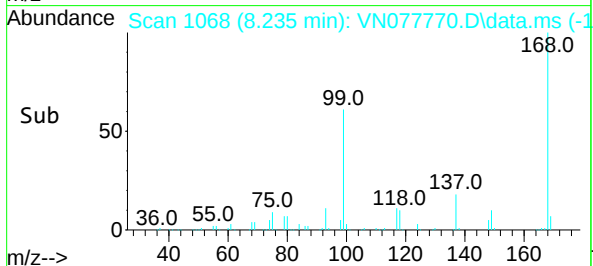
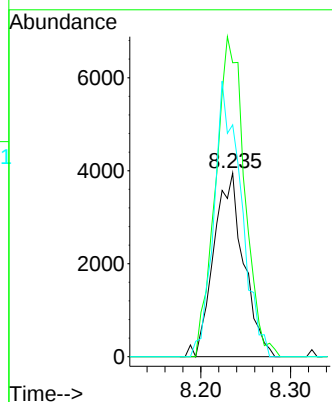


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-DUP-20230517

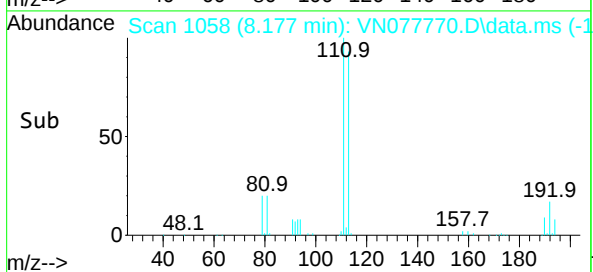
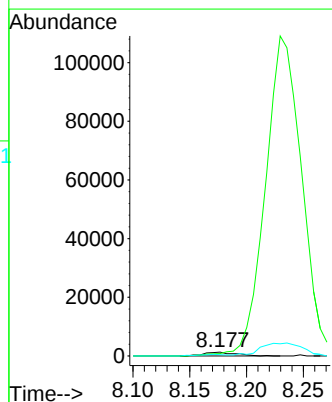
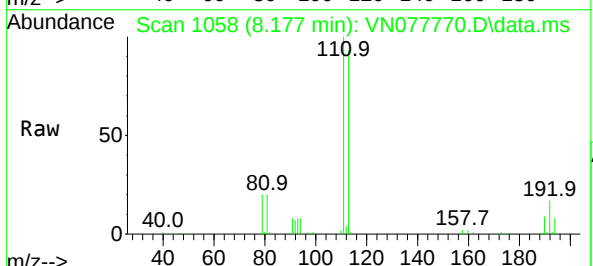


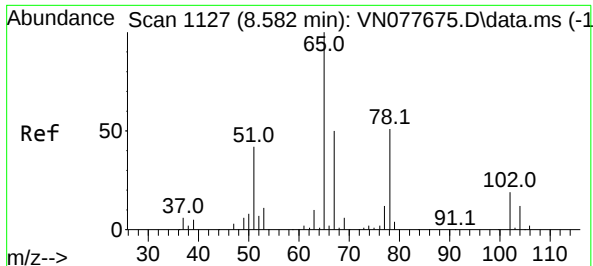
Tgt Ion: 56 Resp: 9139
Ion Ratio Lower Upper
56 100
69 160.0 26.8 40.2#
84 126.2 81.8 122.6#



#32
1,1,1-Trichloroethane
Concen: 0.318 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Tgt Ion: 97 Resp: 2552
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 37.4 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 44.525 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077770.D

Acq: 19 May 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :

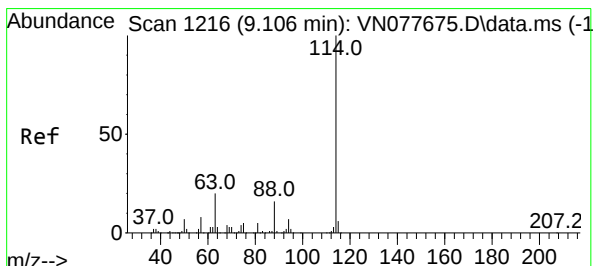
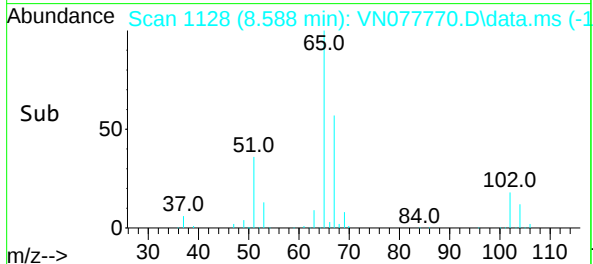
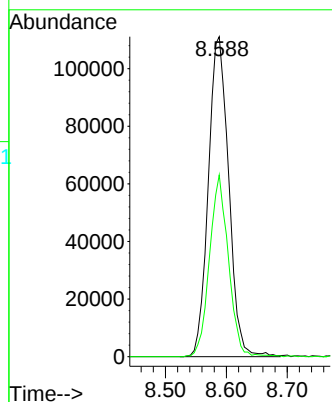
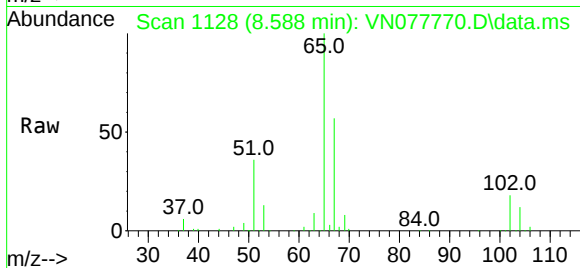
BP-VPB-RW11-DUP-20230517

Tgt Ion: 65 Resp: 257903

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077770.D

Acq: 19 May 2023 17:35

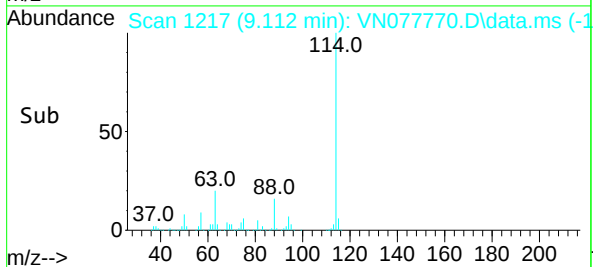
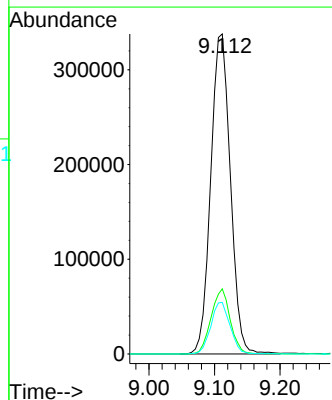
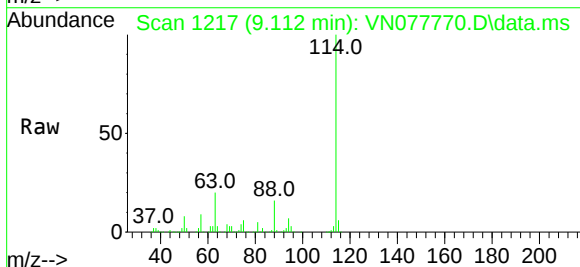
Tgt Ion: 114 Resp: 702541

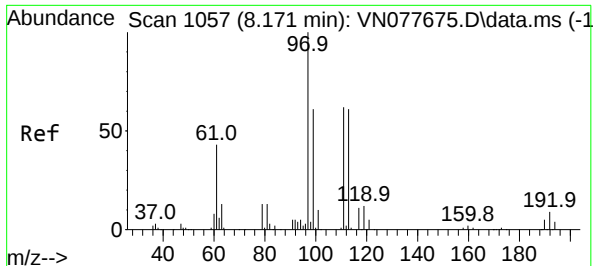
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.165 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077770.D

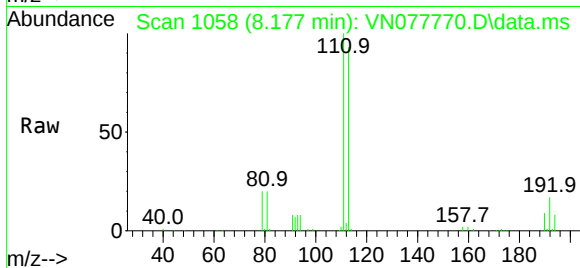
Acq: 19 May 2023 17:35

Instrument :

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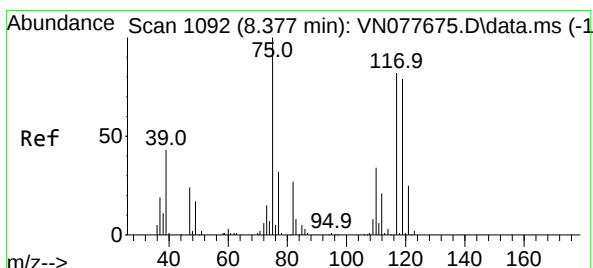
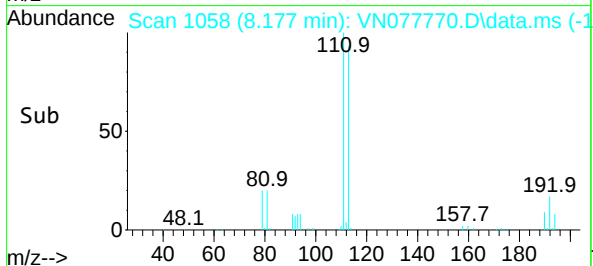
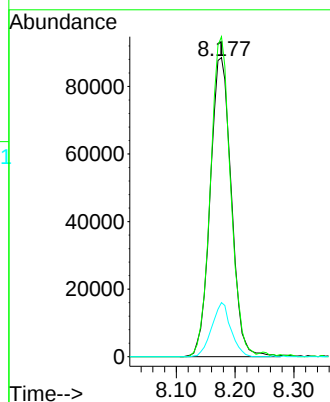
Tgt Ion:113 Resp: 220655

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077770.D

Acq: 19 May 2023 17:35

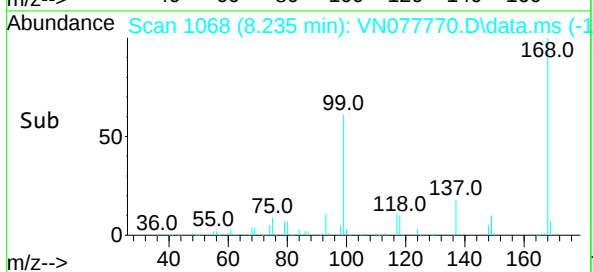
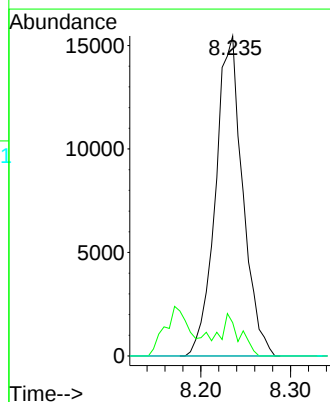
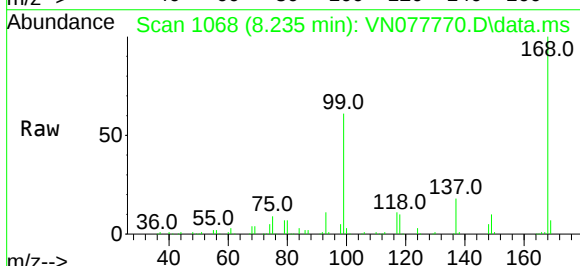
Tgt Ion: 75 Resp: 32549

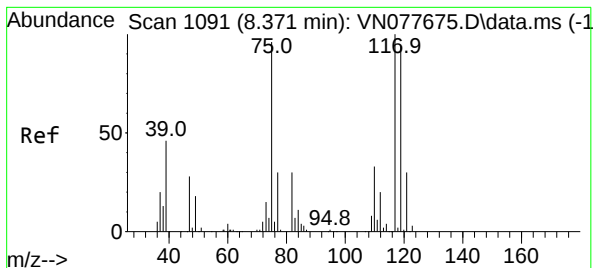
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN077770.D

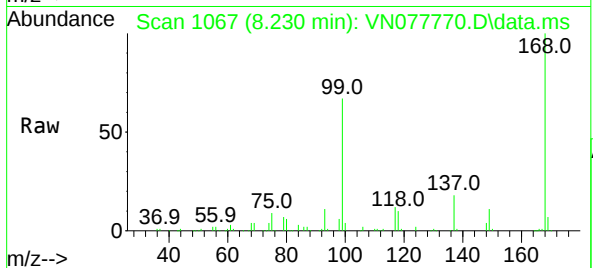
Acq: 19 May 2023 17:35

Instrument :

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BP-VPB-RW11-DUP-20230517



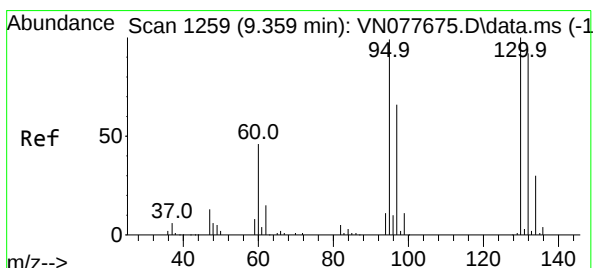
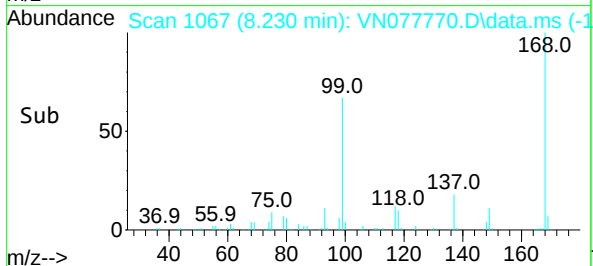
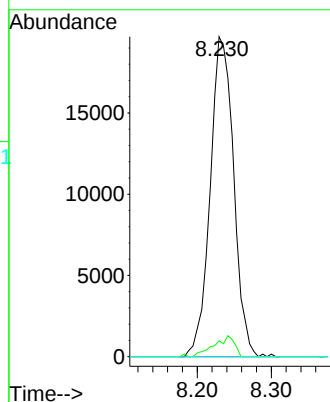
Tgt Ion:117 Resp: 43344

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 0.341 ug/l

RT: 9.371 min Scan# 1261

Delta R.T. 0.012 min

Lab File: VN077770.D

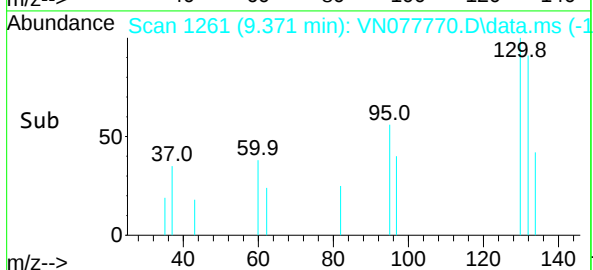
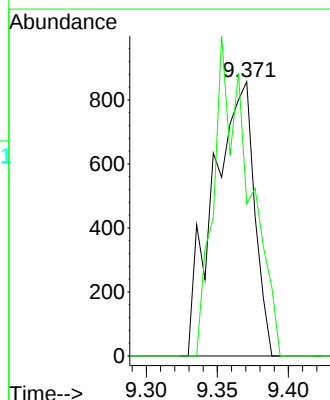
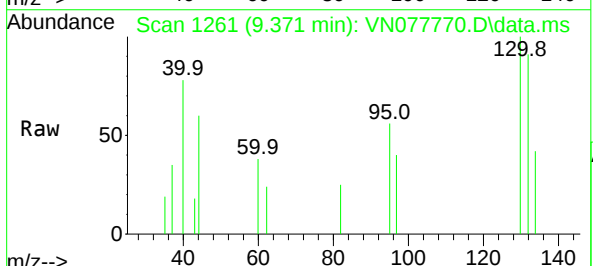
Acq: 19 May 2023 17:35

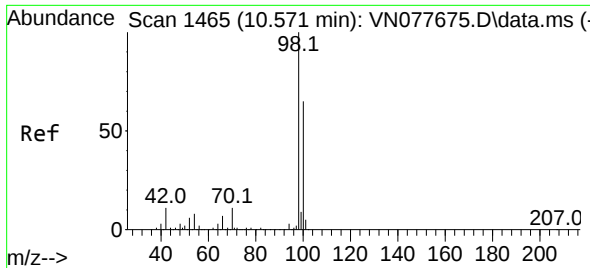
Tgt Ion:130 Resp: 1708

Ion Ratio Lower Upper

130 100

95 55.5 0.0 204.6

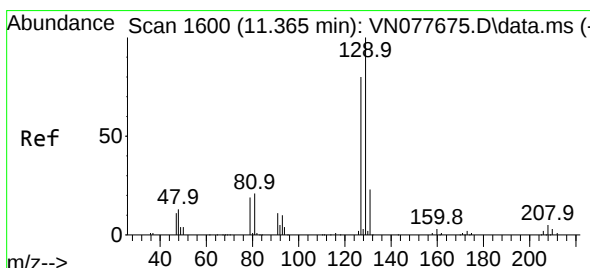
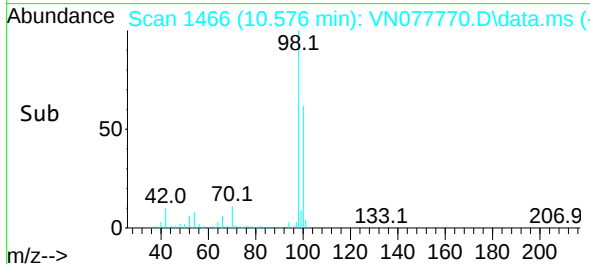
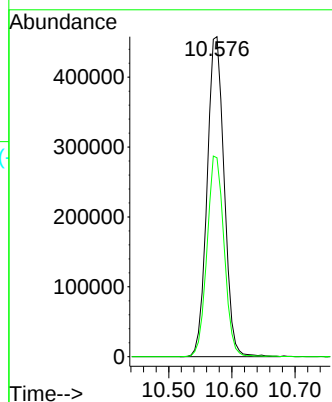
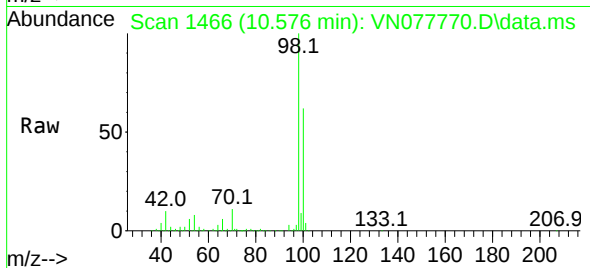




#50
Toluene-d8
Concen: 48.679 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

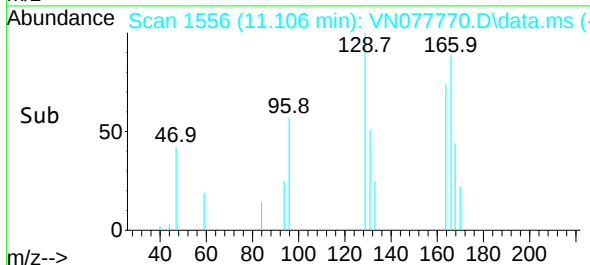
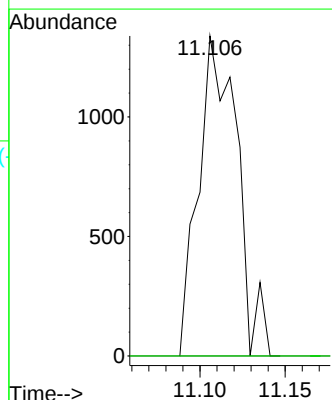
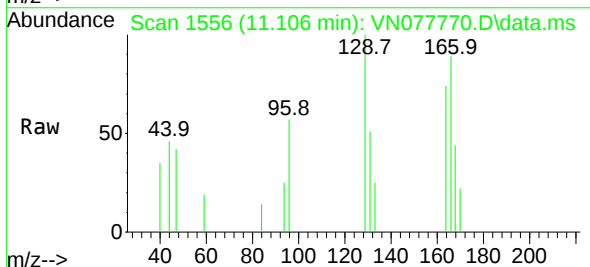
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-DUP-20230517

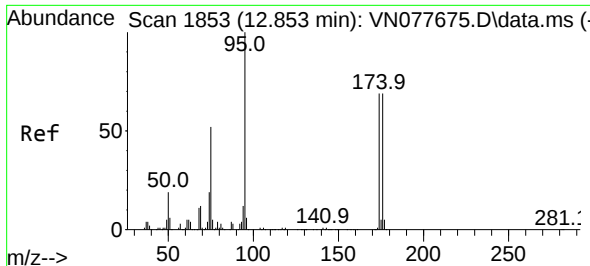
Tgt Ion: 98 Resp: 858382
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#60
Dibromochloromethane
Concen: 0.419 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Tgt Ion:129 Resp: 2115
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

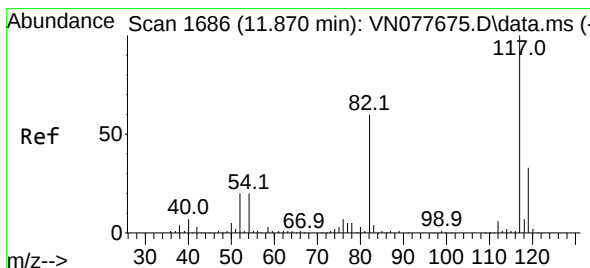
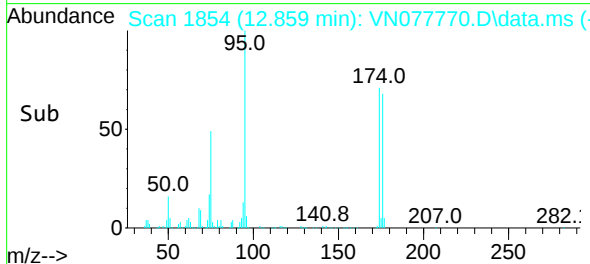
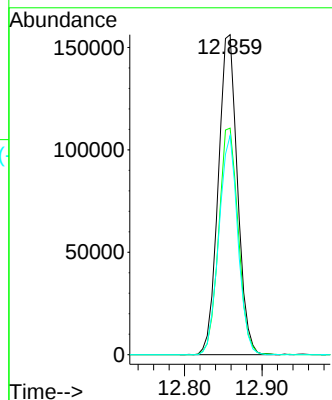
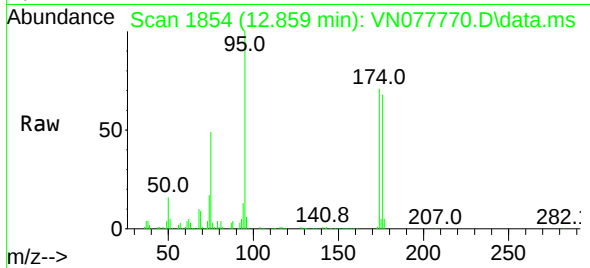




#62
4-Bromofluorobenzene
Concen: 43.180 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

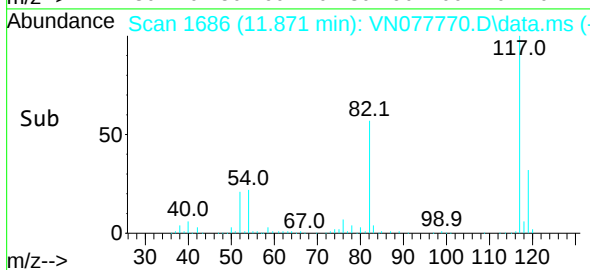
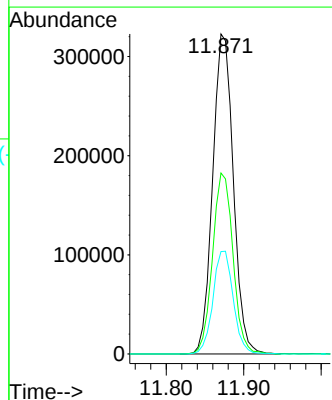
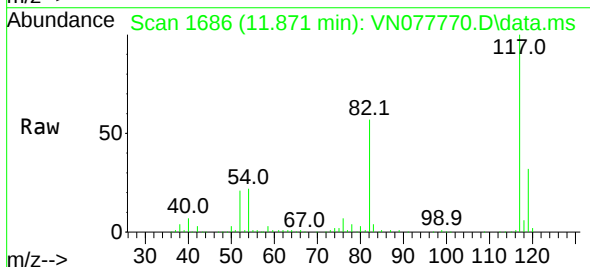
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-DUP-20230517

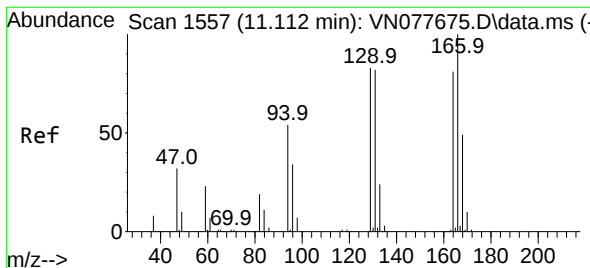
Tgt Ion: 95 Resp: 268914
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 67.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077770.D
Acq: 19 May 2023 17:35

Tgt Ion: 117 Resp: 597882
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 32.0 25.6 38.4





#64

Tetrachloroethene

Concen: 0.428 ug/l

RT: 11.112 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077770.D

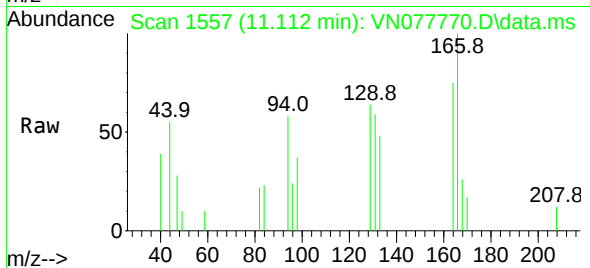
Acq: 19 May 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-DUP-20230517



Tgt Ion:164 Resp: 1791

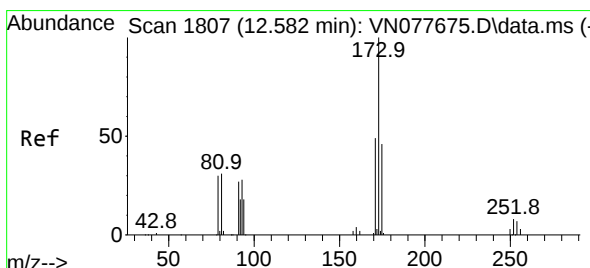
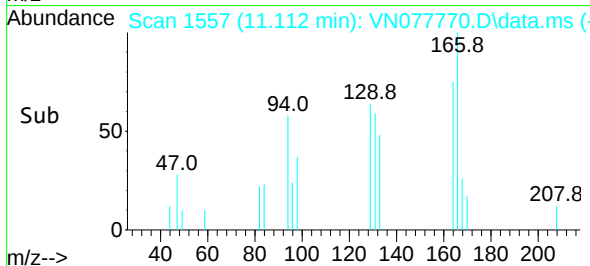
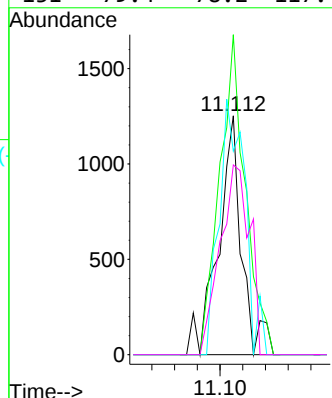
Ion Ratio Lower Upper

164 100

166 133.9 101.4 152.0

129 85.2 82.4 123.6

131 79.4 78.2 117.4



#71

Bromoform

Concen: 0.485 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN077770.D

Acq: 19 May 2023 17:35

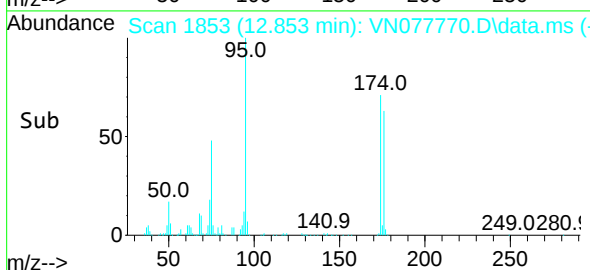
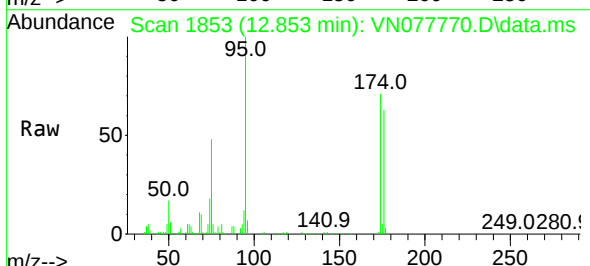
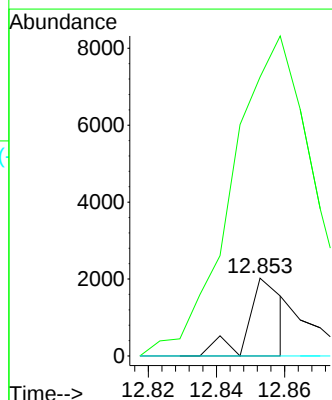
Tgt Ion:173 Resp: 1448

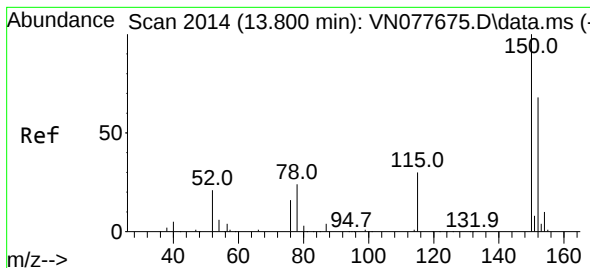
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.000 min

Lab File: VN077770.D

Acq: 19 May 2023 17:35

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-DUP-20230517

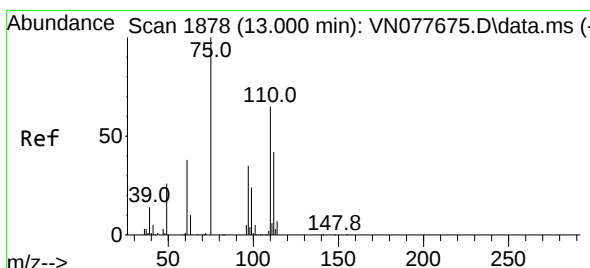
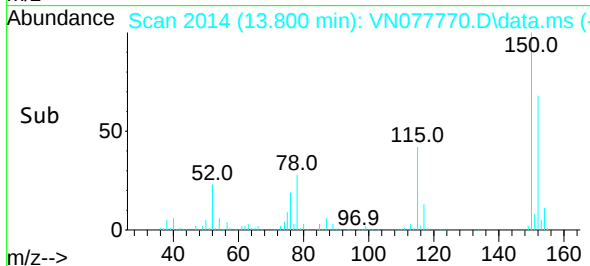
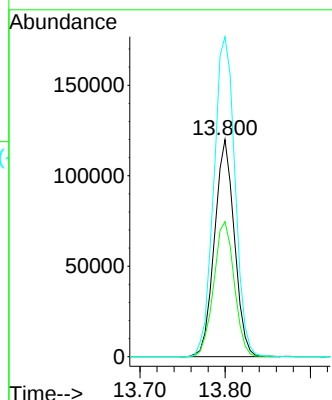
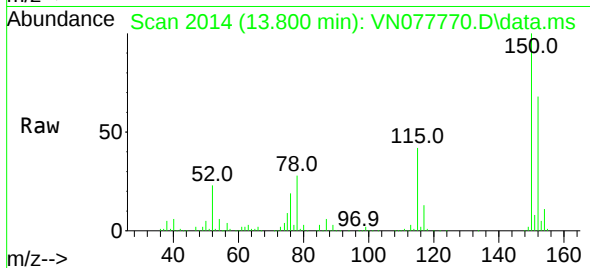
Tgt Ion:152 Resp: 194343

Ion Ratio Lower Upper

152 100

115 64.2 32.3 96.8

150 157.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 28.475 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077770.D

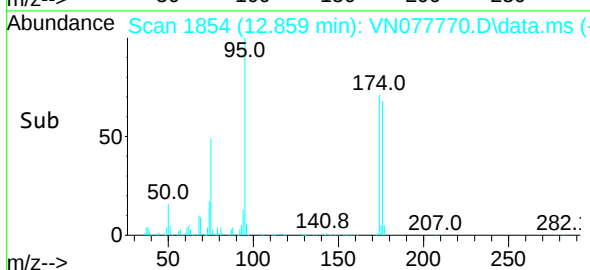
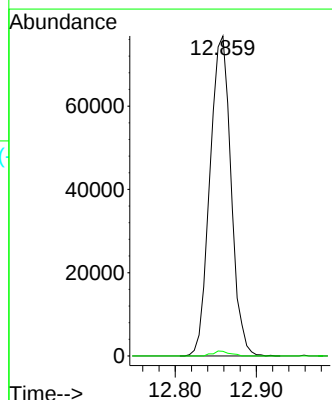
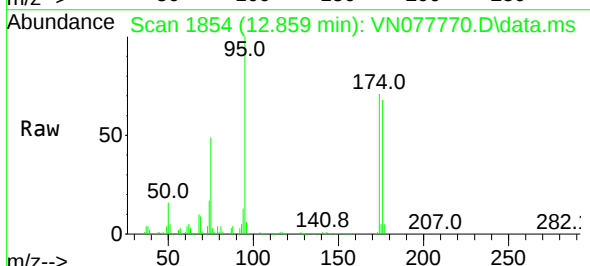
Acq: 19 May 2023 17:35

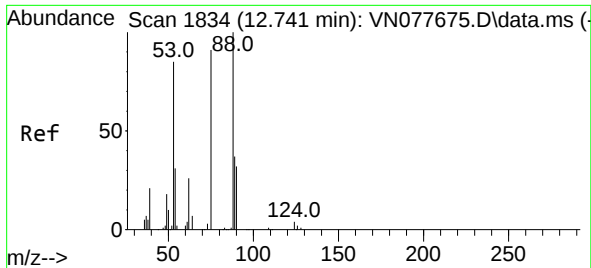
Tgt Ion: 75 Resp: 138587

Ion Ratio Lower Upper

75 100

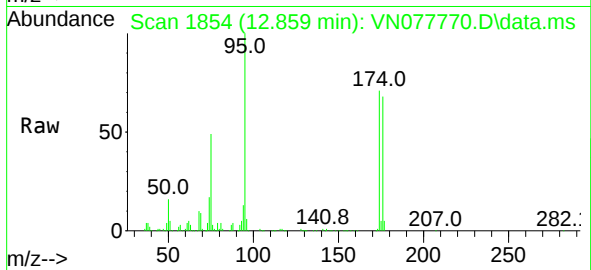
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.019 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077770.D
 Acq: 19 May 2023 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-DUP-20230517



Tgt Ion: 75 Resp: 138587
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

