

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077771.D
 Acq On : 19 May 2023 17:58
 Operator : JC\MD
 Sample : 02862-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-218-220

Quant Time: May 29 09:52:04 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

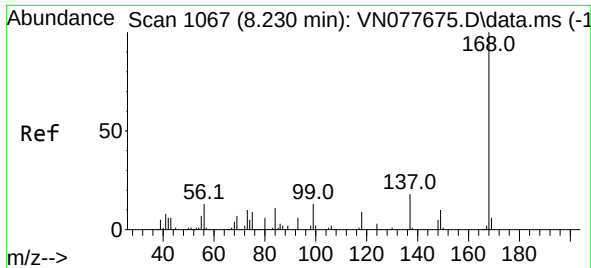
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	351426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	636553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	560584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	192571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238877	45.429	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.860%
35) Dibromofluoromethane	8.177	113	201698	48.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	10.577	98	784734	49.116	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.240%
62) 4-Bromofluorobenzene	12.853	95	253212	44.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1211	Below Cal	#	83
5) Bromomethane	2.983	94	976	0.262	ug/l #	71
13) Acrolein	4.218	56	321	Below Cal	#	69
16) Acetone	4.447	43	4011	2.425	ug/l #	69
20) Methylene Chloride	5.289	84	54	Below Cal	#	13
25) 2-Butanone	7.494	43	818	0.316	ug/l #	37
30) Chloroform	7.971	83	3520	0.410	ug/l	98
31) Cyclohexane	8.236	56	7468	1.045	ug/l #	32
32) 1,1,1-Trichloroethane	8.188	97	2327	0.319	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	29850	4.917	ug/l #	49
38) Carbon Tetrachloride	8.230	117	37569	6.128	ug/l #	17
44) Trichloroethene	9.359	130	2181	0.481	ug/l	63
60) Dibromochloromethane	11.118	129	1969	0.431	ug/l #	11
64) Tetrachloroethene	11.118	164	1649	0.421	ug/l #	73
76) 1,2,3-Trichloropropane	12.853	75	132672	27.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	132672	87.937	ug/l #	15

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

Quant Time: May 29 09:52:04 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

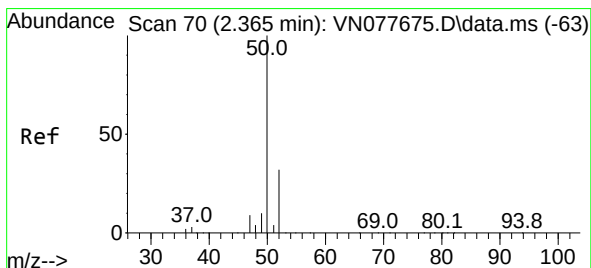
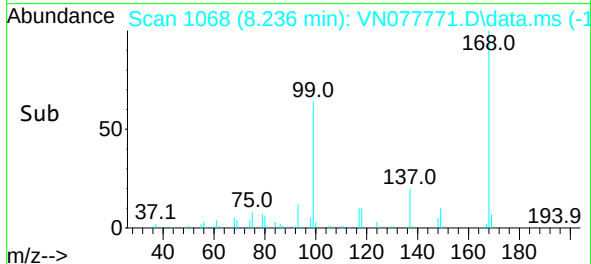
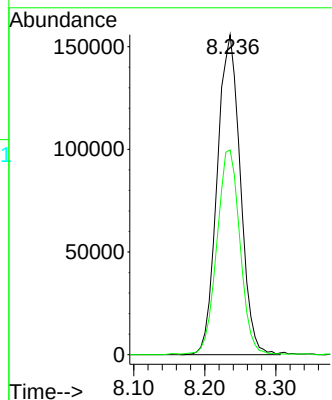
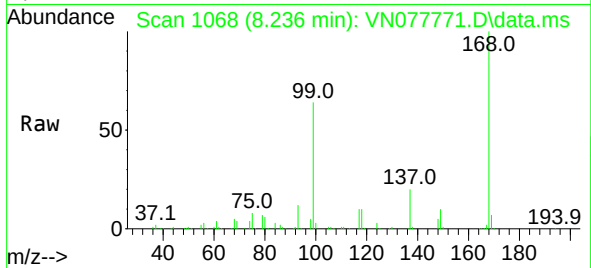




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

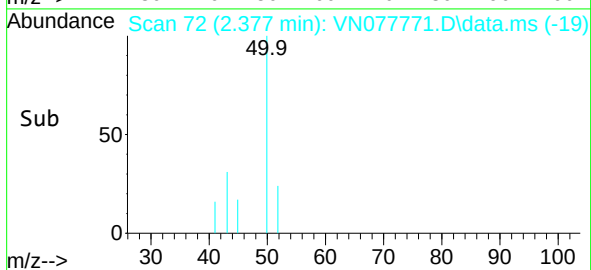
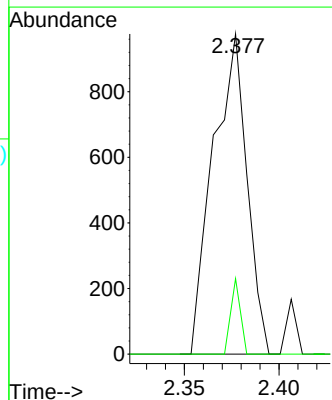
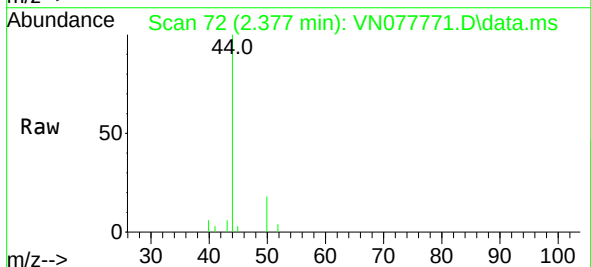
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

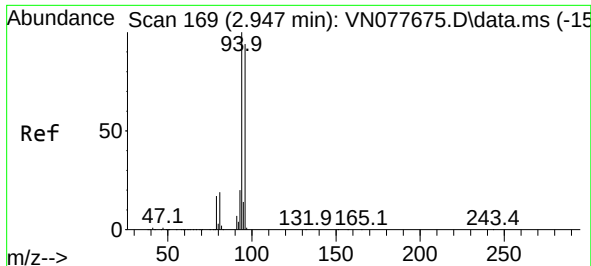
Tgt Ion:168 Resp: 351426
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 50 Resp: 1211
Ion Ratio Lower Upper
50 100
52 23.6 26.5 39.7#

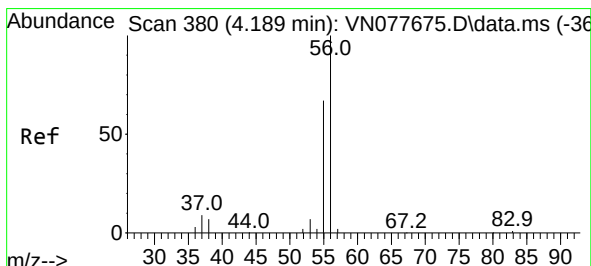
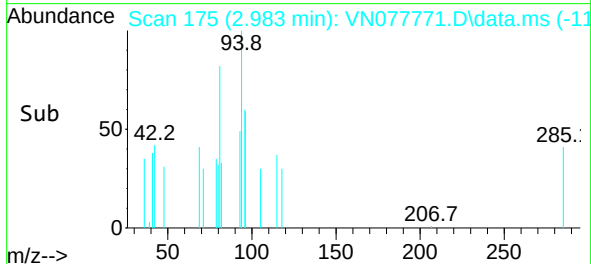
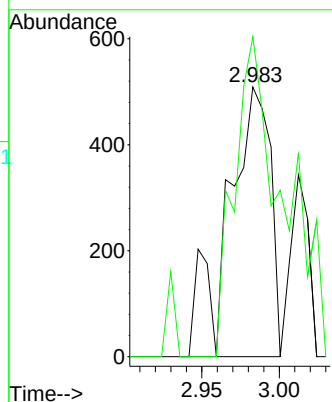
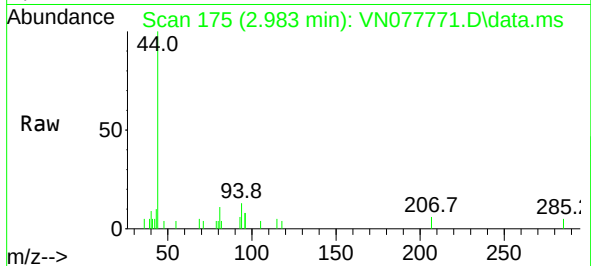




#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

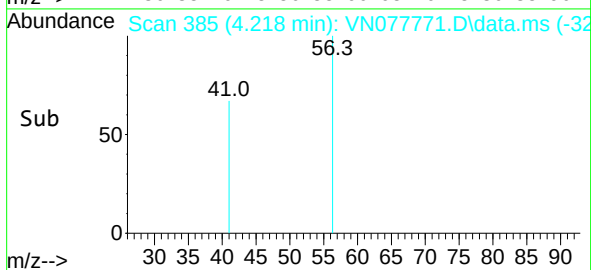
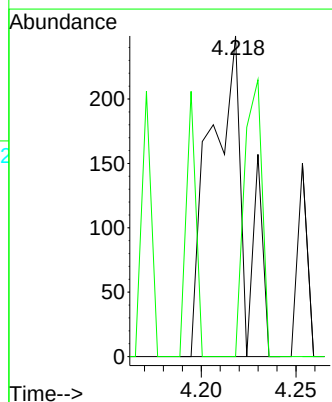
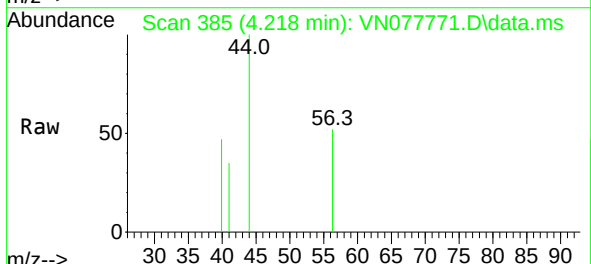
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

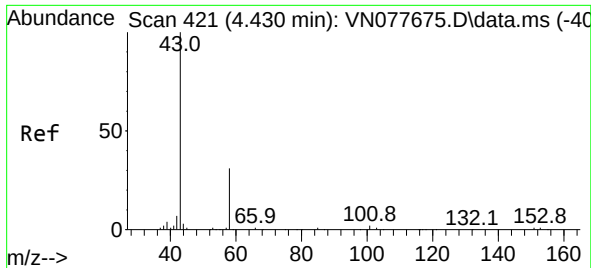
Tgt Ion: 94 Resp: 976
Ion Ratio Lower Upper
94 100
96 118.7 73.1 109.7#



#13
Acrolein
Concen: Below Cal
RT: 4.218 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 43.3 54.5 81.7#

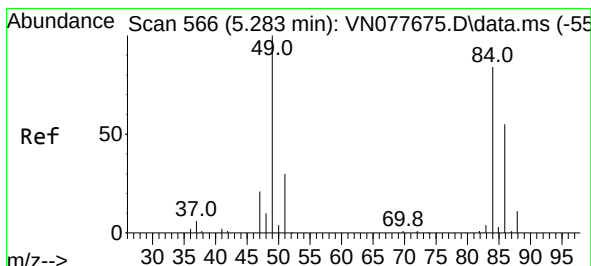
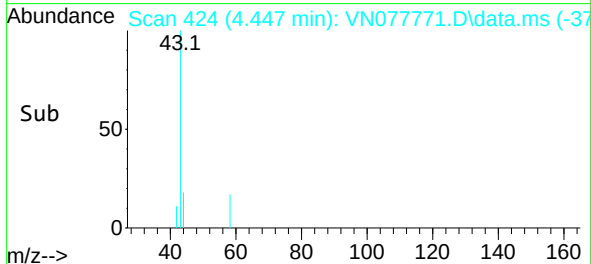
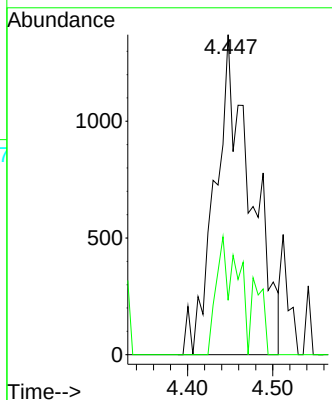
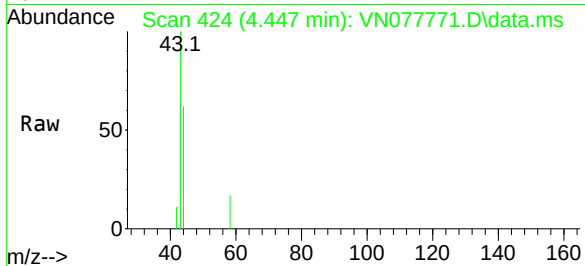




#16
Acetone
Concen: 2.425 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

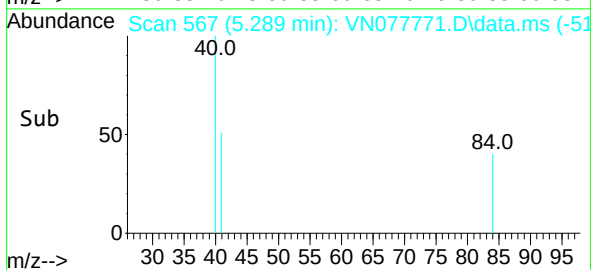
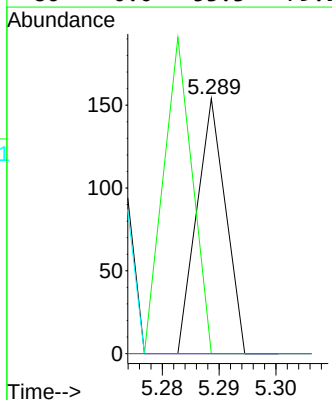
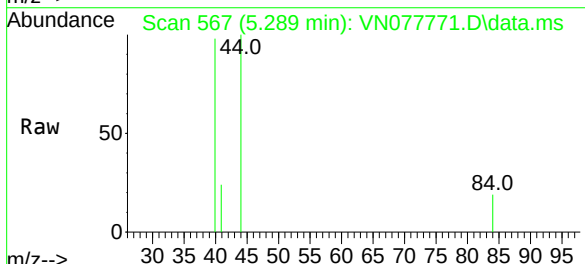
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

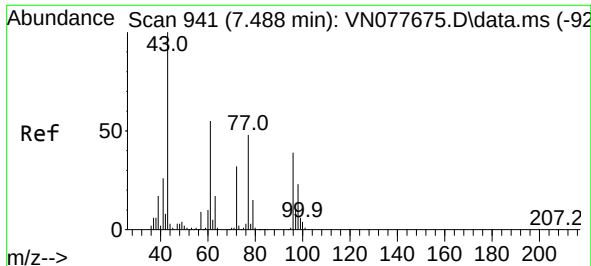
Tgt Ion: 43 Resp: 4011
Ion Ratio Lower Upper
43 100
58 17.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 84 Resp: 54
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#

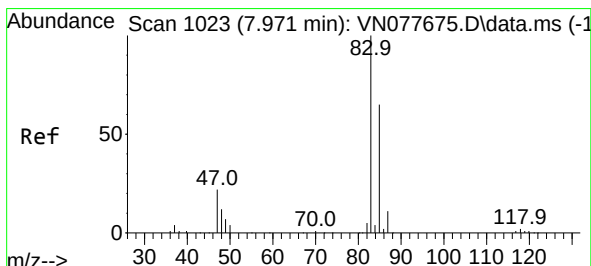
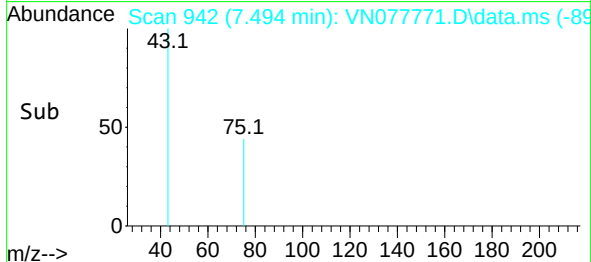
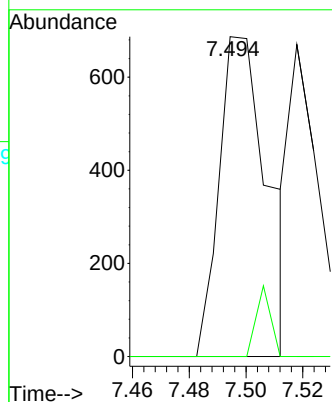
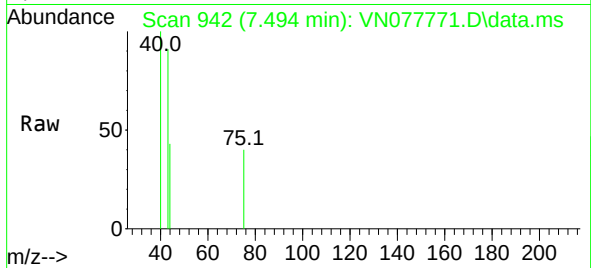




#25
2-Butanone
Concen: 0.316 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

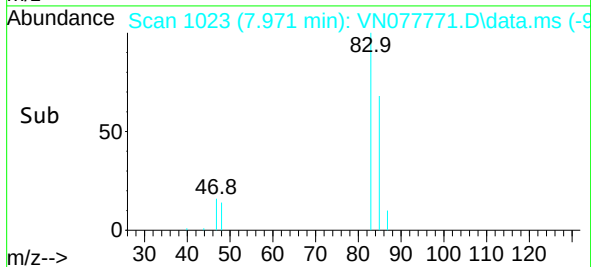
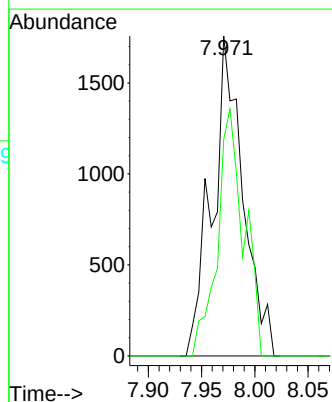
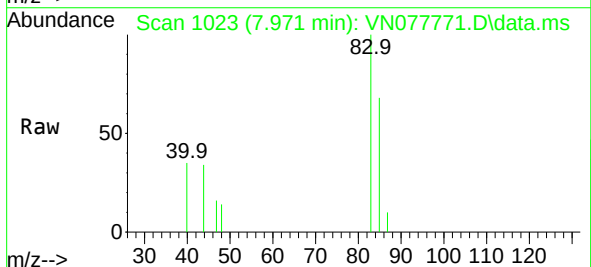
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

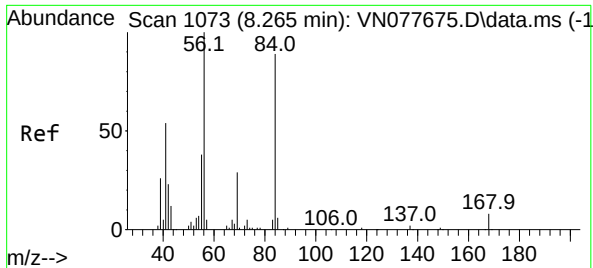
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#30
Chloroform
Concen: 0.410 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 83 Resp: 3520
Ion Ratio Lower Upper
83 100
85 67.6 55.4 83.0

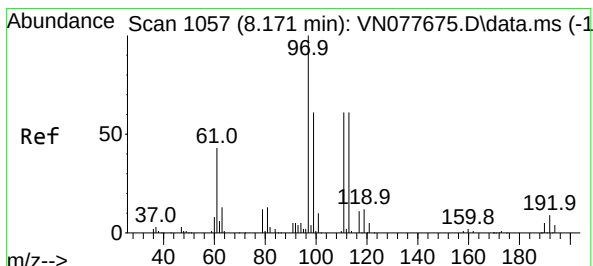
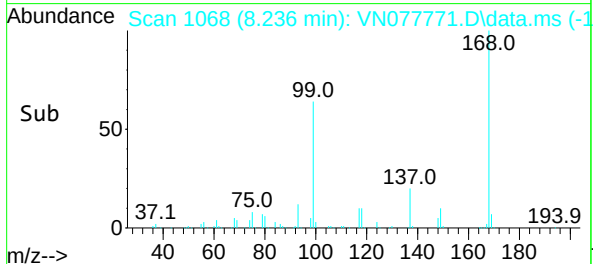
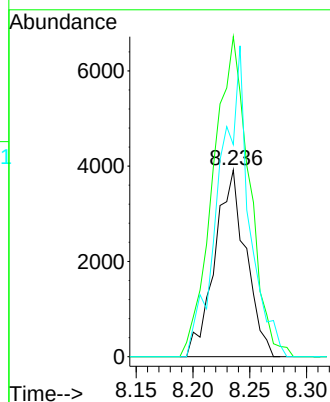
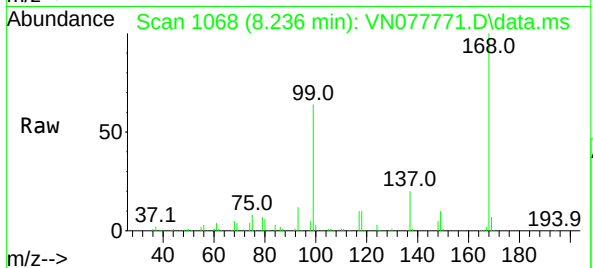




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

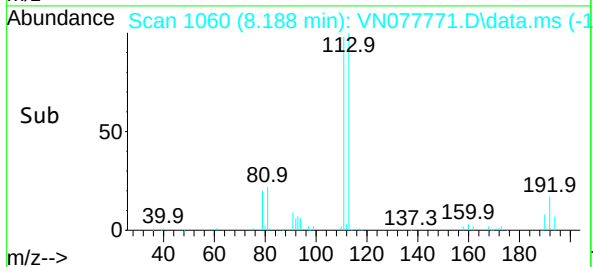
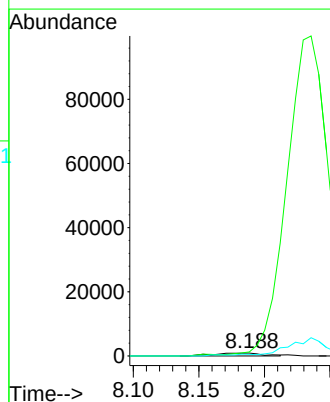
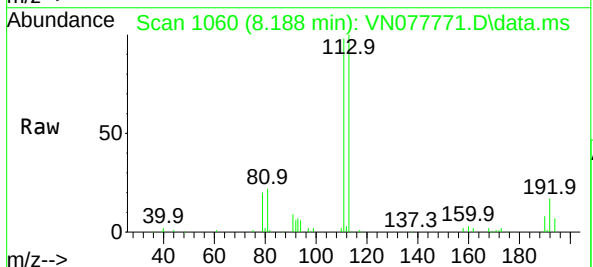
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-GW-218-220

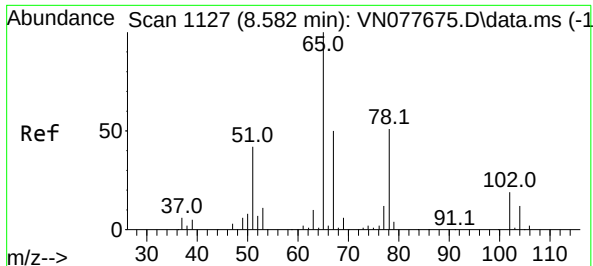
Tgt Ion: 56 Resp: 7468
Ion Ratio Lower Upper
56 100
69 171.4 26.8 40.2#
84 113.6 81.8 122.6



#32
1,1,1-Trichloroethane
Concen: 0.319 ug/l
RT: 8.188 min Scan# 1060
Delta R.T. 0.017 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 97 Resp: 2327
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 45.429 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077771.D

Acq: 19 May 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

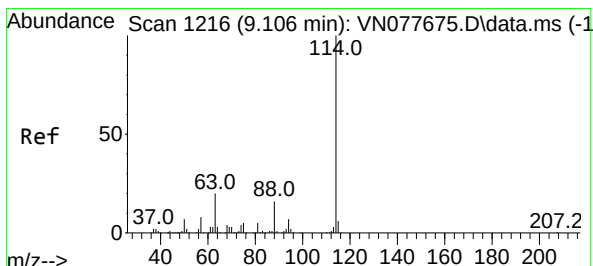
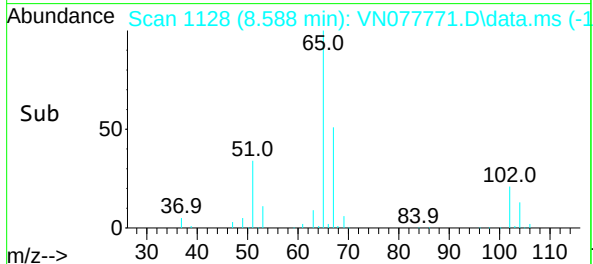
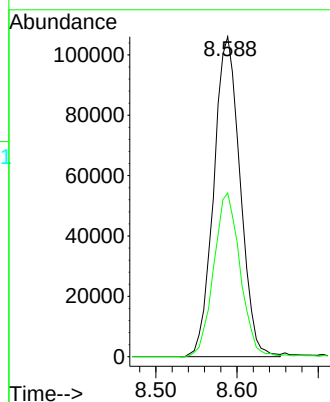
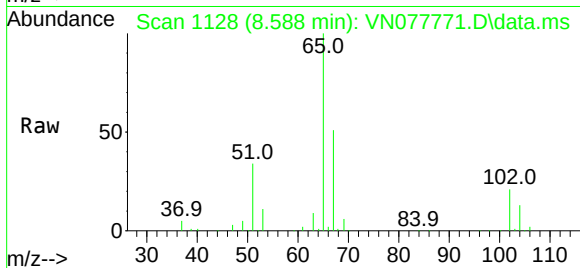
BP-VPB-RW11-GW-218-220

Tgt Ion: 65 Resp: 238877

Ion Ratio Lower Upper

65 100

67 51.2 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: VN077771.D

Acq: 19 May 2023 17:58

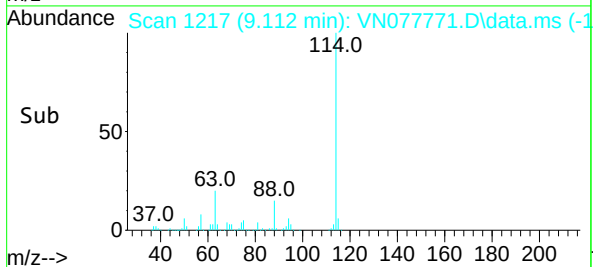
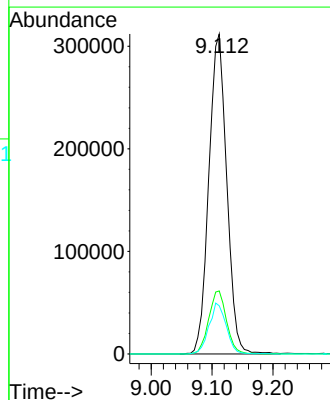
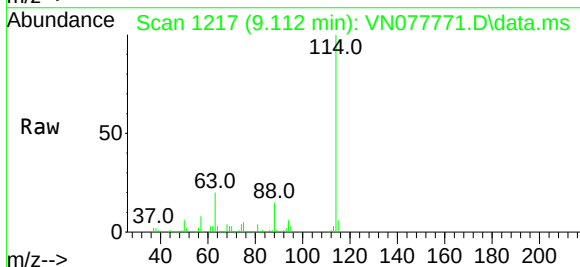
Tgt Ion: 114 Resp: 636553

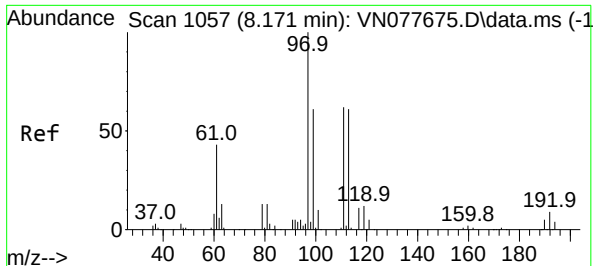
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.1 0.0 30.6

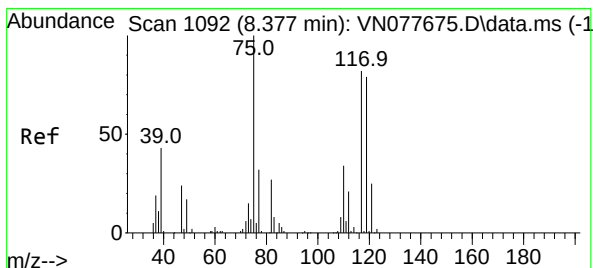
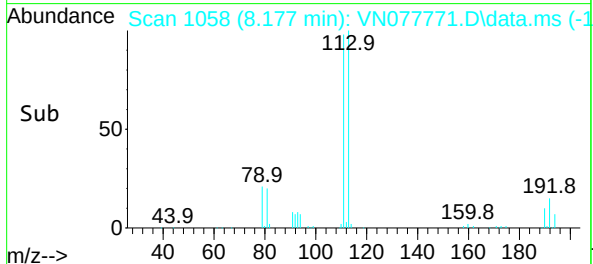
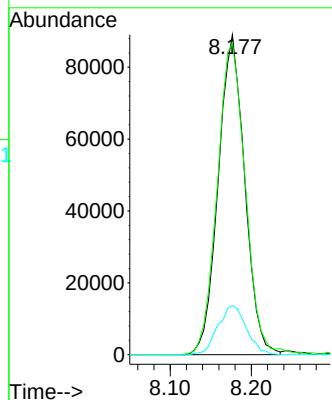
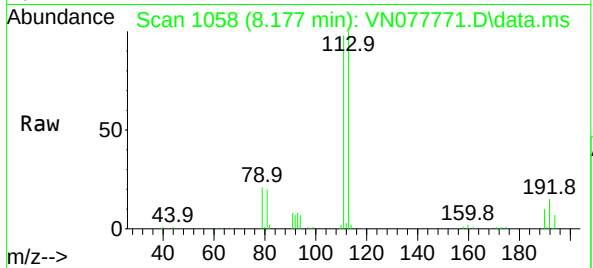




#35
Dibromofluoromethane
Concen: 48.592 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

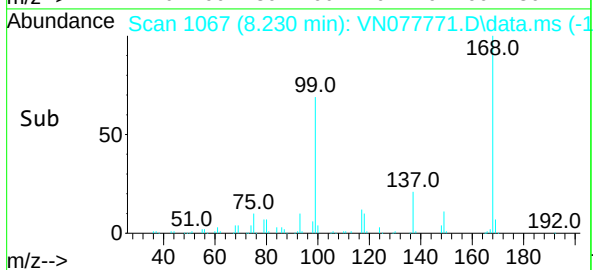
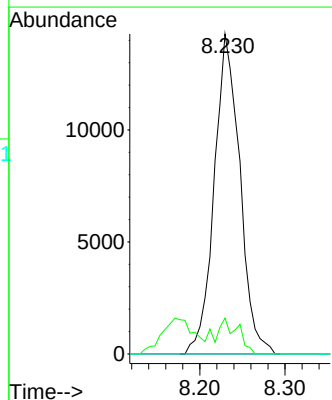
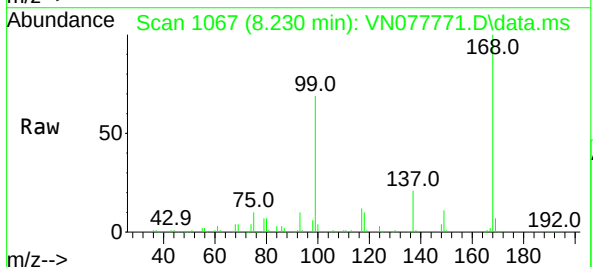
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

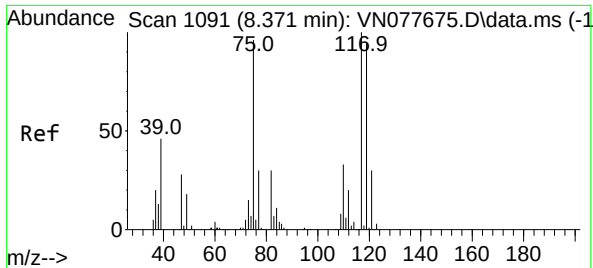
Tgt Ion:113 Resp: 201698
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

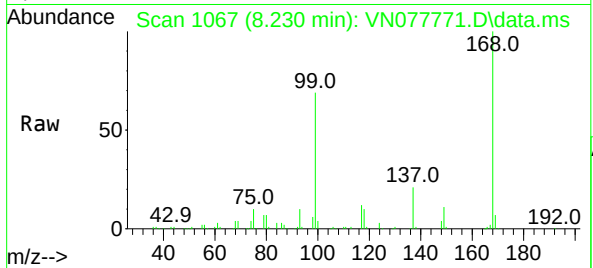
Tgt Ion: 75 Resp: 29850
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



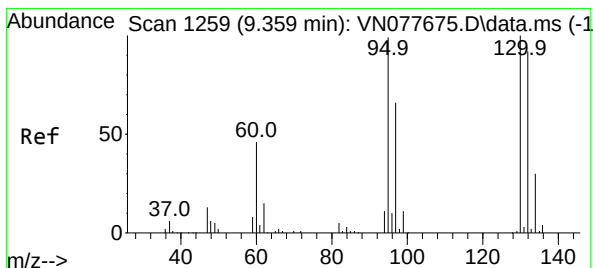
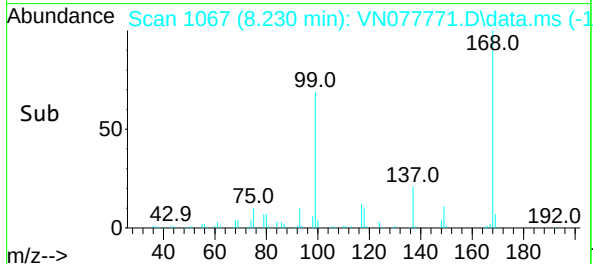
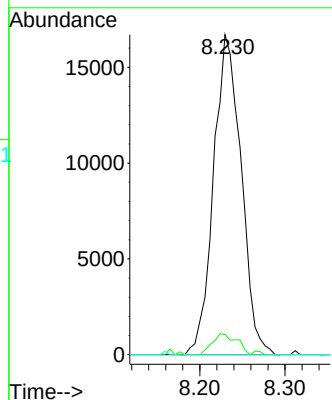


#38
Carbon Tetrachloride
Concen: 6.128 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-GW-218-220

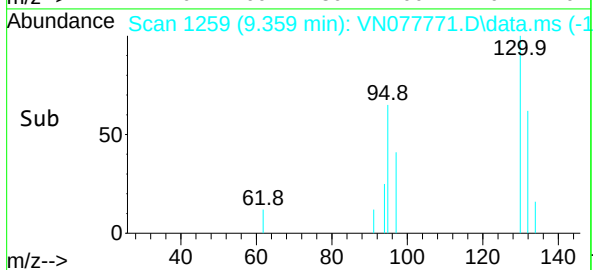
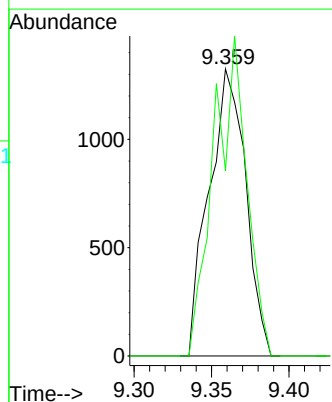
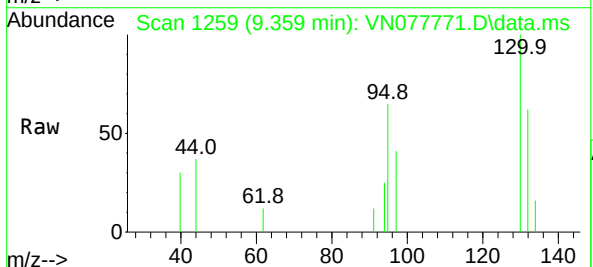


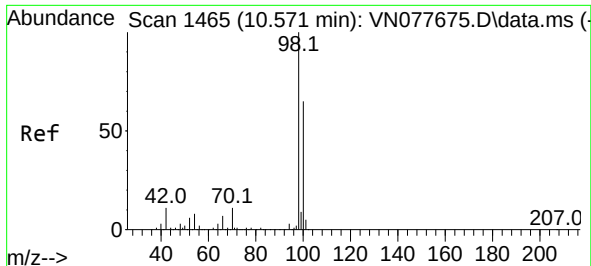
Tgt Ion:117 Resp: 37569
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 0.481 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion:130 Resp: 2181
Ion Ratio Lower Upper
130 100
95 64.5 0.0 204.6

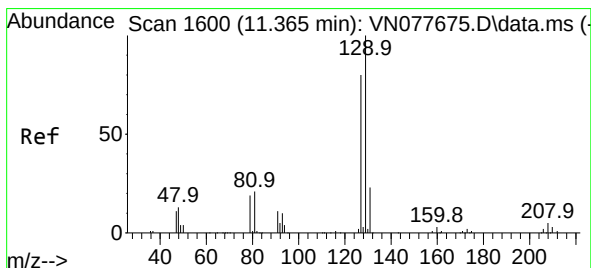
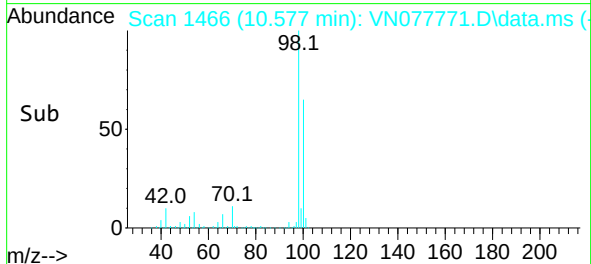
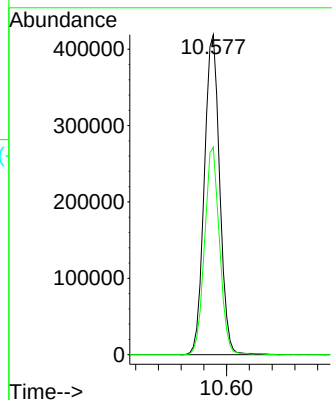
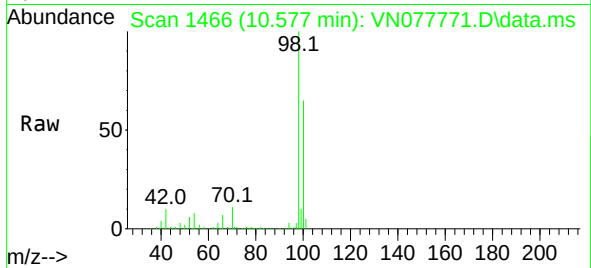




#50
Toluene-d8
Concen: 49.116 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

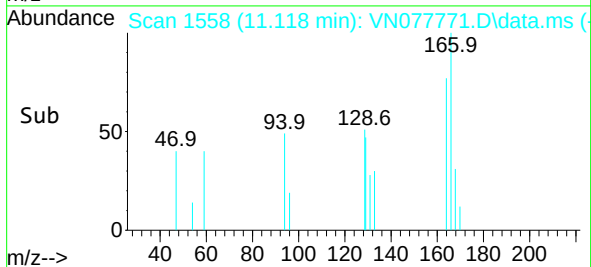
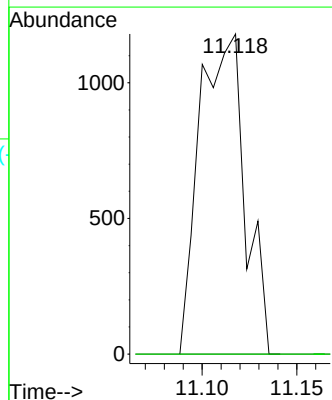
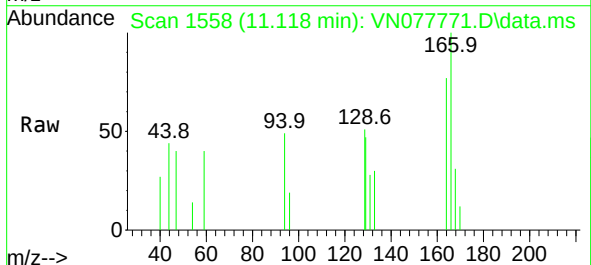
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

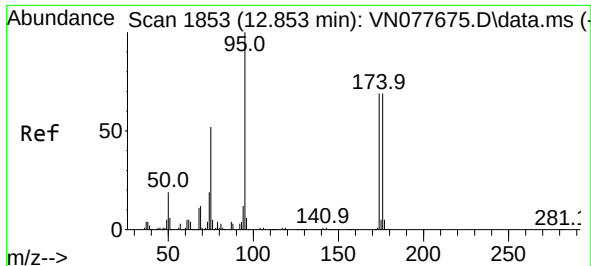
Tgt Ion: 98 Resp: 784734
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#60
Dibromochloromethane
Concen: 0.431 ug/l
RT: 11.118 min Scan# 1558
Delta R.T. -0.247 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 129 Resp: 1969
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

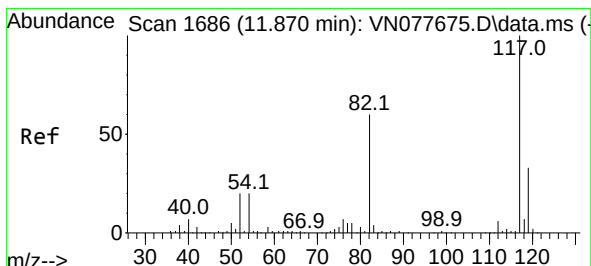
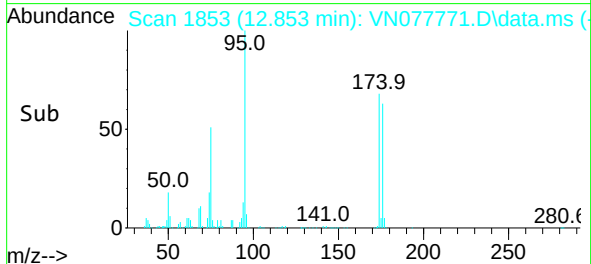
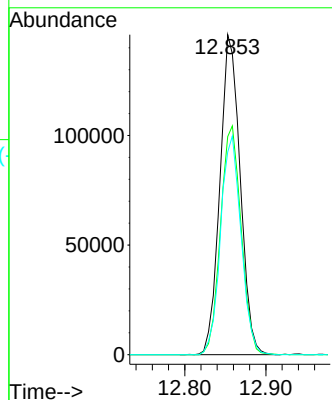
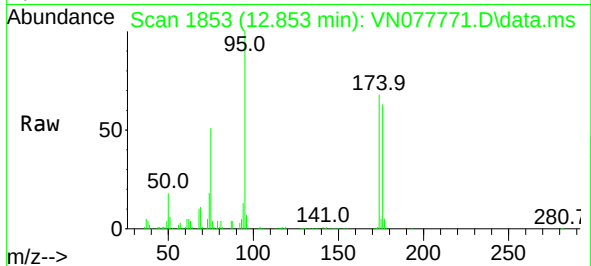




#62
4-Bromofluorobenzene
Concen: 44.874 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

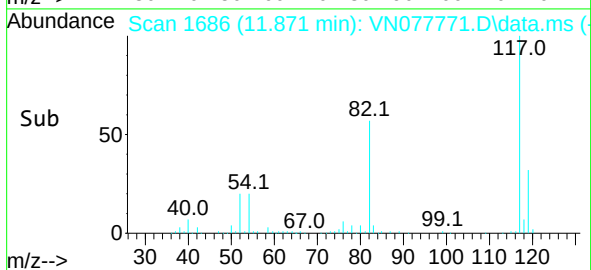
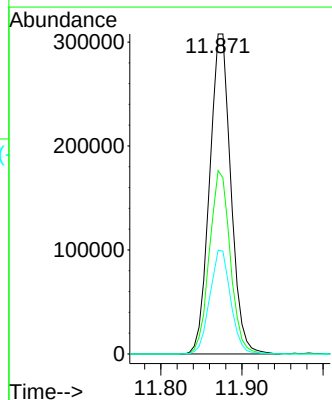
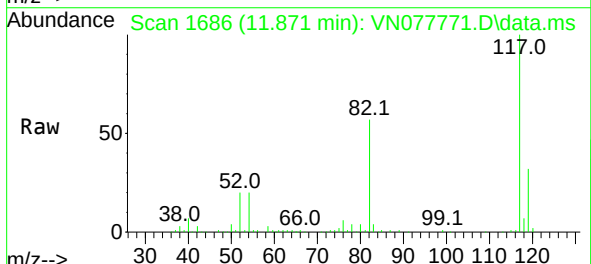
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

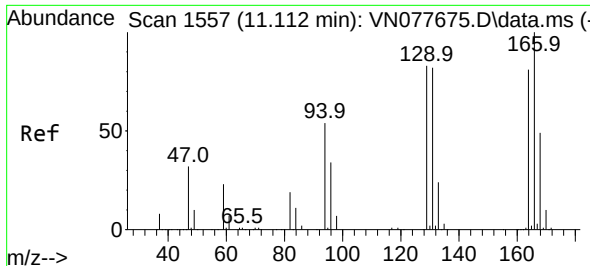
Tgt Ion: 95 Resp: 253212
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 69.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion: 117 Resp: 560584
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 32.5 25.6 38.4

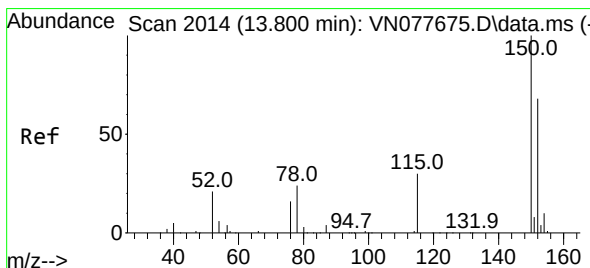
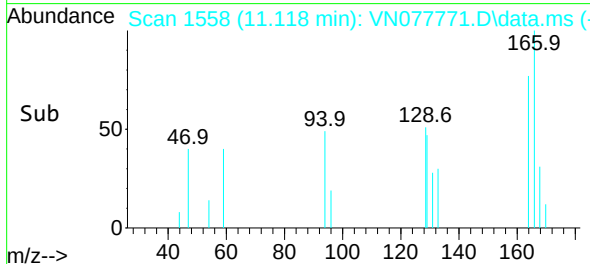
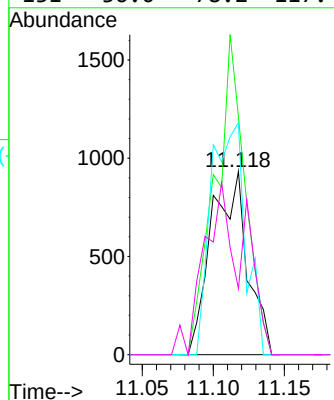
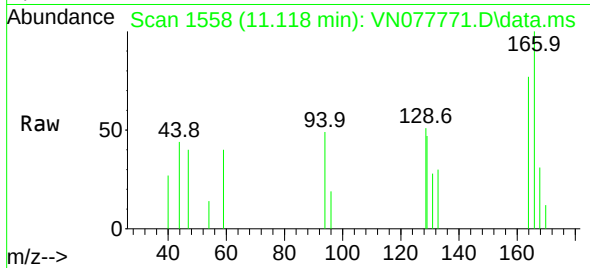




#64
Tetrachloroethene
Concen: 0.421 ug/l
RT: 11.118 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

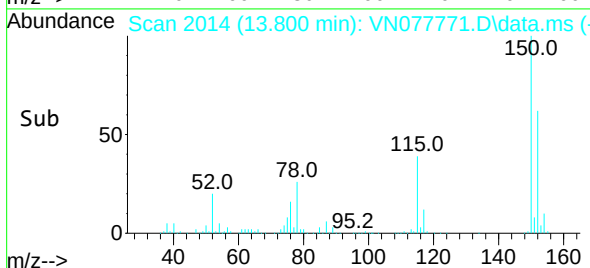
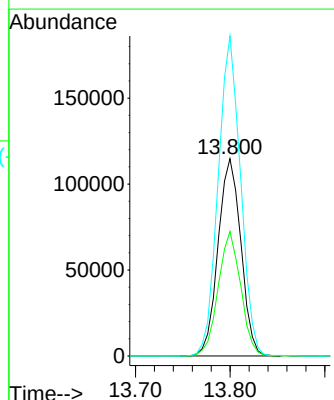
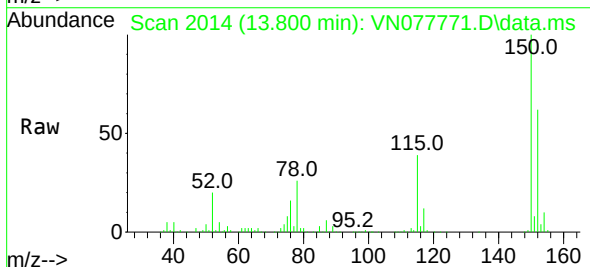
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-218-220

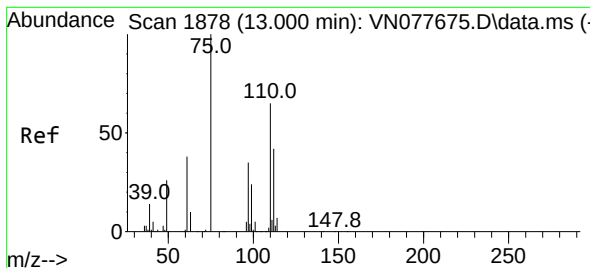
Tgt Ion:164 Resp: 1649
Ion Ratio Lower Upper
164 100
166 129.8 101.4 152.0
129 126.5 82.4 123.6#
131 36.0 78.2 117.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077771.D
Acq: 19 May 2023 17:58

Tgt Ion:152 Resp: 192571
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.510 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN077771.D

Acq: 19 May 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

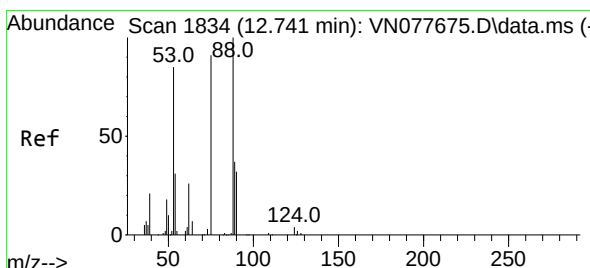
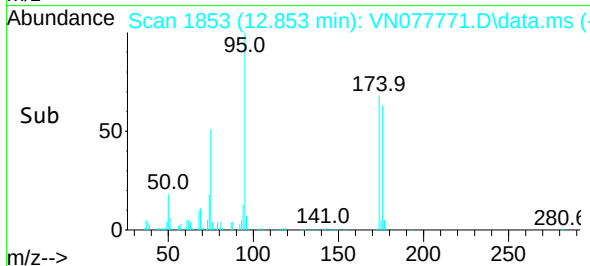
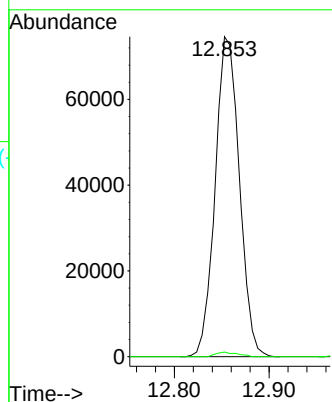
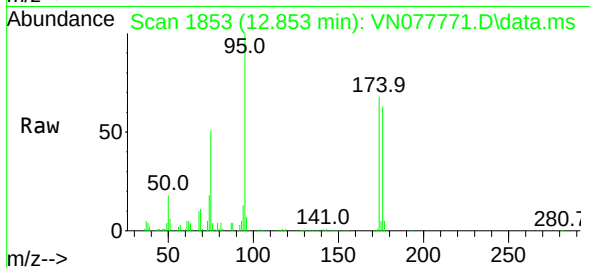
BP-VPB-RW11-GW-218-220

Tgt Ion: 75 Resp: 132672

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.937 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN077771.D

Acq: 19 May 2023 17:58

Tgt Ion: 75 Resp: 132672

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

