

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077548.D
 Acq On : 01 May 2023 17:36
 Operator : JC\MD
 Sample : 02547-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-RW10-MW01S-GW-20230427

Quant Time: May 01 22:04:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

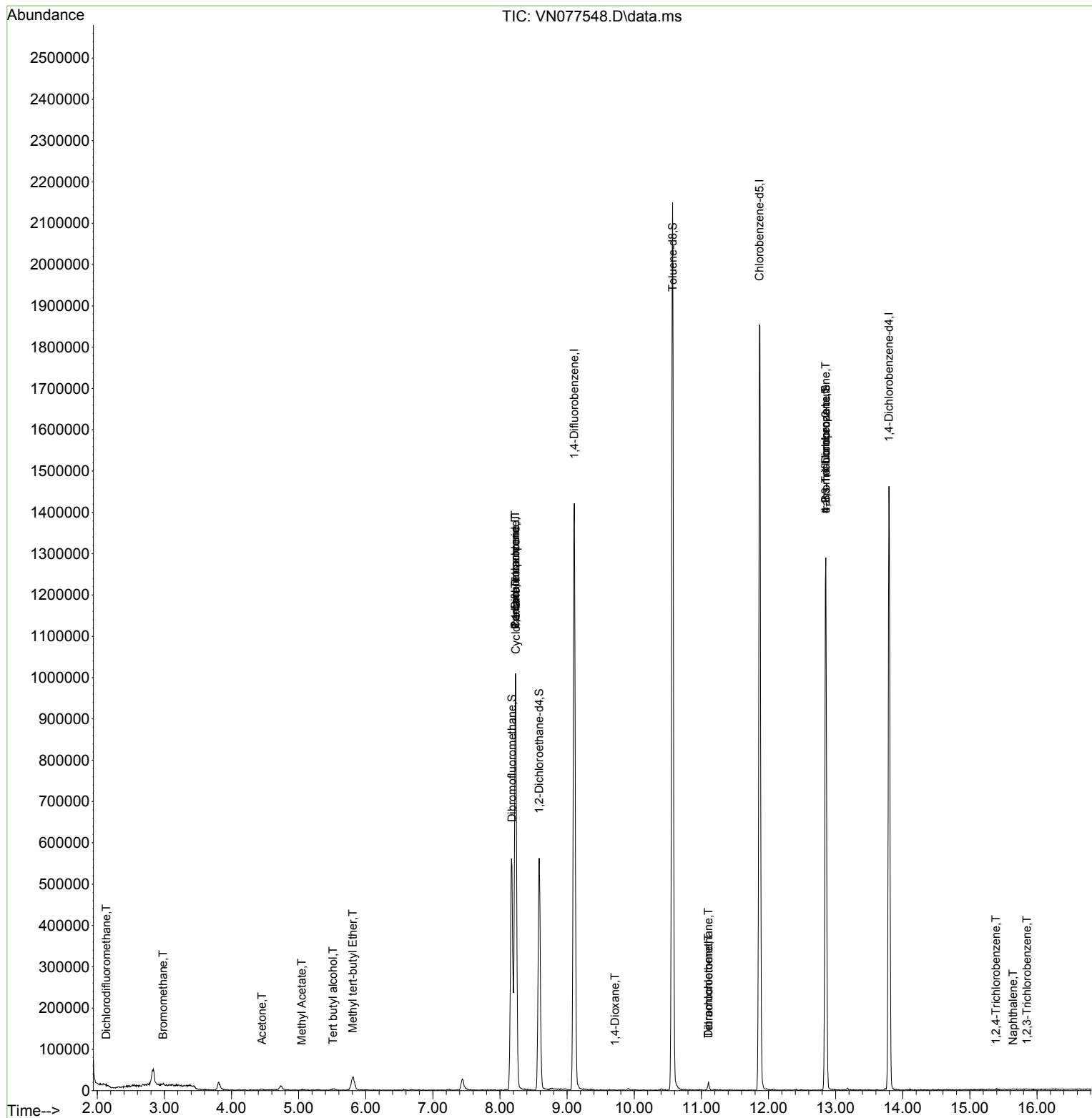
Internal Standards						
1) Pentafluorobenzene	8.230	168	711709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1312740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1162138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	397780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	471065	50.723	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.440%
35) Dibromofluoromethane	8.178	113	415613	52.675	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.360%
50) Toluene-d8	10.571	98	1579394	52.229	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.854	95	479852	48.501	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	59	0.316	ug/l #	43
5) Bromomethane	2.978	94	2999	0.364	ug/l	81
11) Tert butyl alcohol	5.513	59	1878	1.260	ug/l #	72
16) Acetone	4.454	43	3574	1.210	ug/l	89
18) Methyl Acetate	5.048	43	2599	0.228	ug/l #	69
19) Methyl tert-butyl Ether	5.807	73	57104	2.162	ug/l	96
31) Cyclohexane	8.236	56	17197	1.307	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	62314	5.467	ug/l #	48
38) Carbon Tetrachloride	8.230	117	81774	6.502	ug/l #	15
49) 1,4-Dioxane	9.713	88	54	0.316	ug/l #	1
60) Dibromochloromethane	11.107	129	3797	0.400	ug/l #	11
64) Tetrachloroethene	11.107	164	3094	0.445	ug/l #	50
76) 1,2,3-Trichloropropane	12.854	75	255026	27.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	255026	77.891	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	171	0.857	ug/l #	14
95) Naphthalene	15.642	128	2526	1.378	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.848	180	743	0.755	ug/l #	73

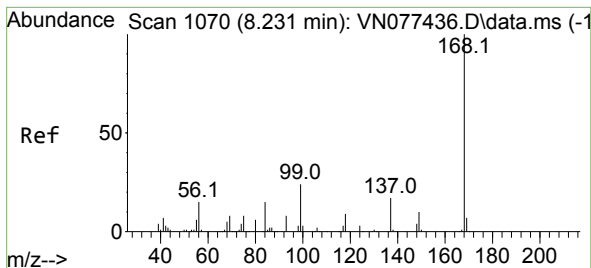
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
Data File : VN077548.D
Acq On : 01 May 2023 17:36
Operator : JC\MD
Sample : 02547-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427

Quant Time: May 01 22:04:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

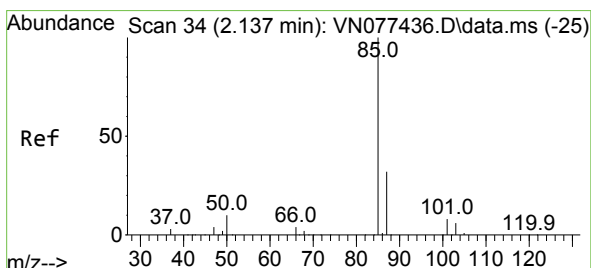
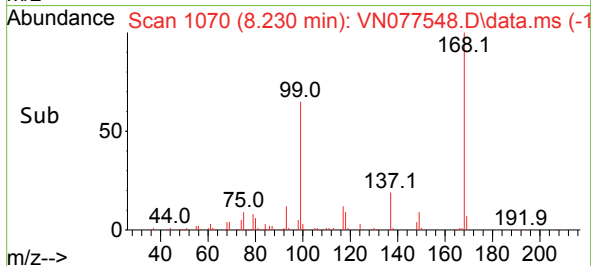
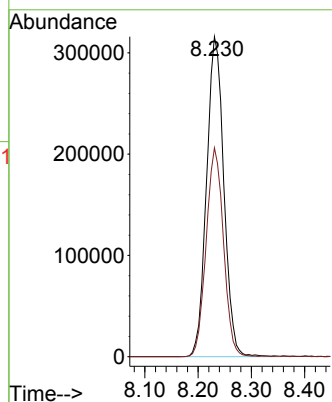
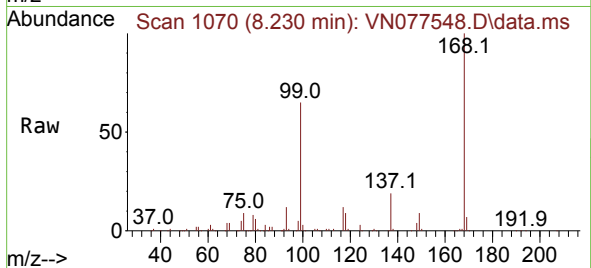
BP-TT-RW10-MW01S-GW-20230427

Tgt Ion:168 Resp: 711709

Ion Ratio Lower Upper

168 100

99 65.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.316 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN077548.D

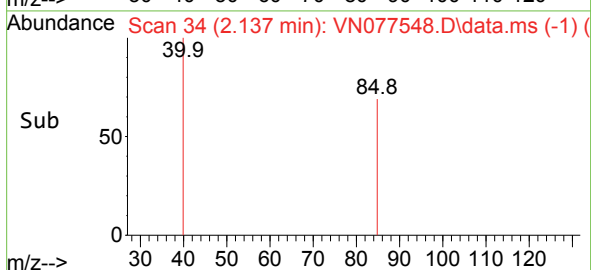
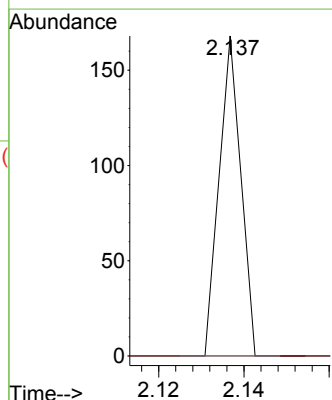
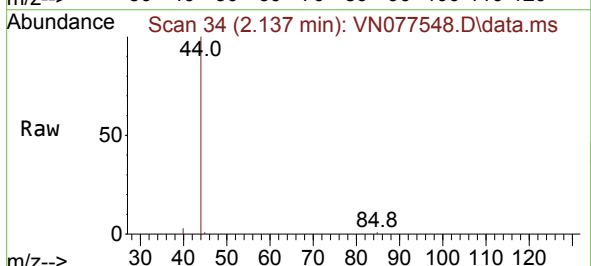
Acq: 01 May 2023 17:36

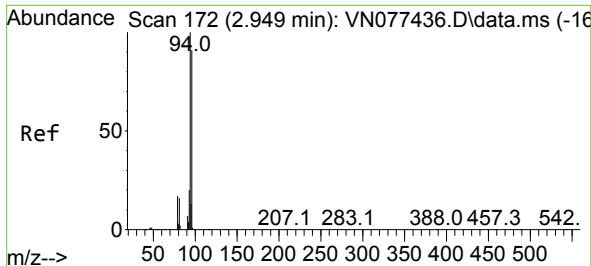
Tgt Ion: 85 Resp: 59

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#

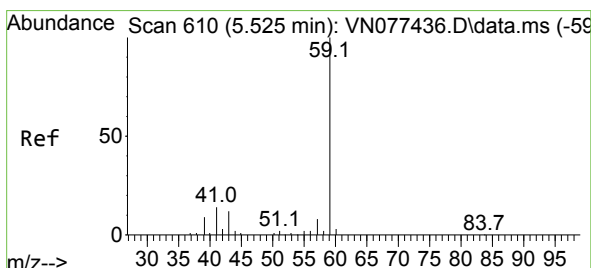
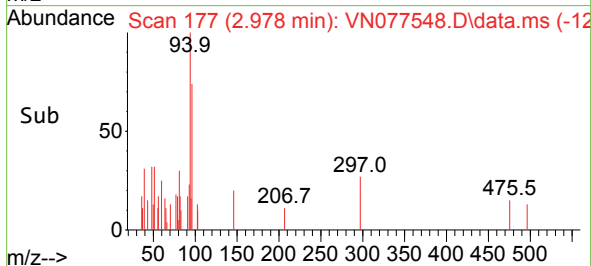
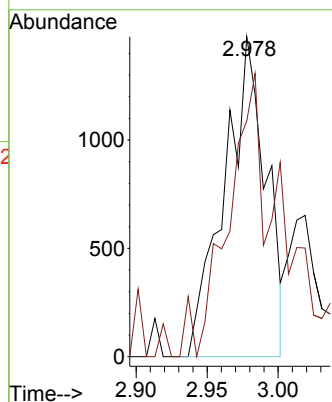
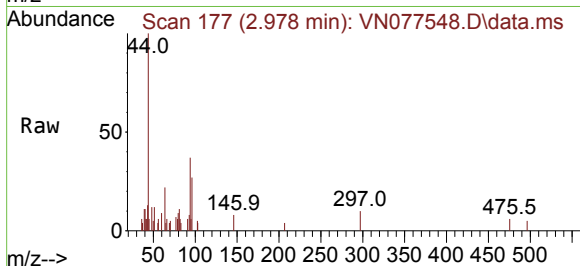




#5
Bromomethane
Concen: 0.364 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

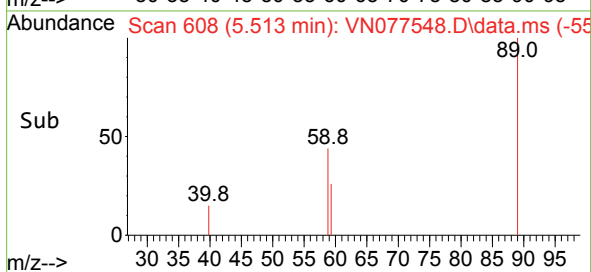
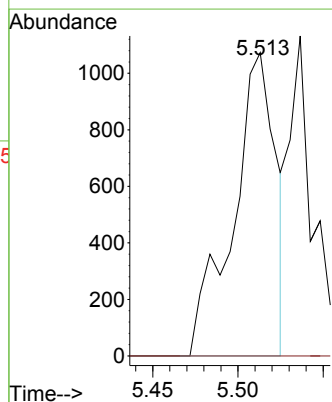
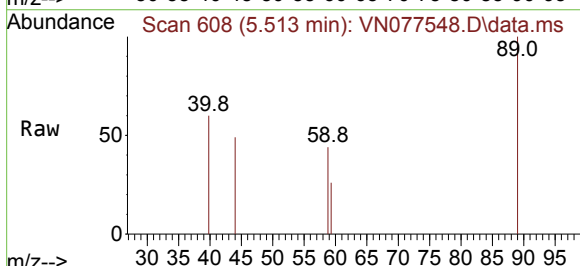
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427

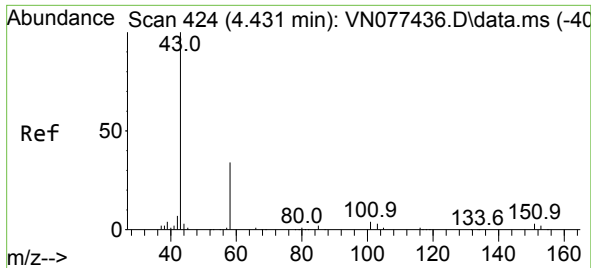
Tgt Ion: 94 Resp: 2999
Ion Ratio Lower Upper
94 100
96 73.7 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.260 ug/l
RT: 5.513 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion: 59 Resp: 1878
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

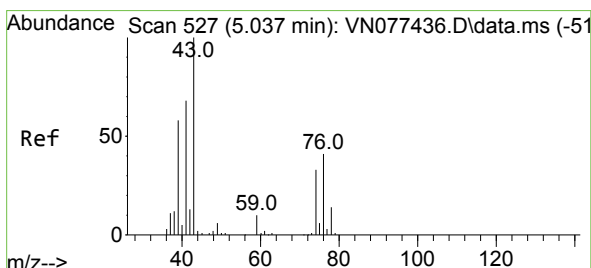
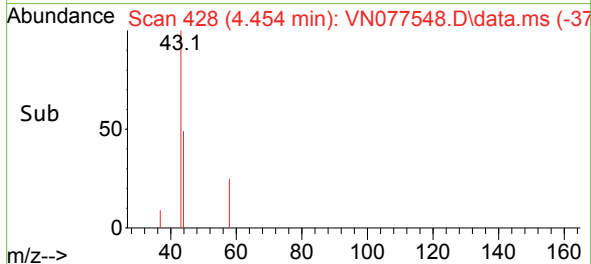
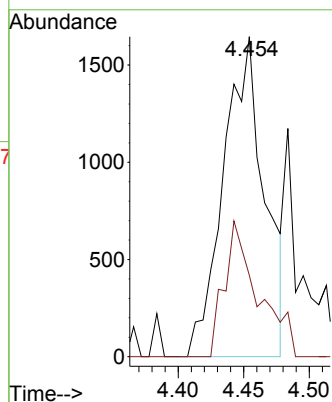
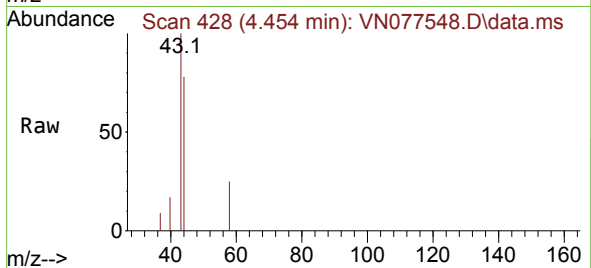




#16
Acetone
Concen: 1.210 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

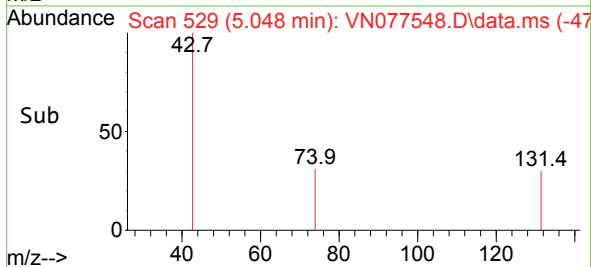
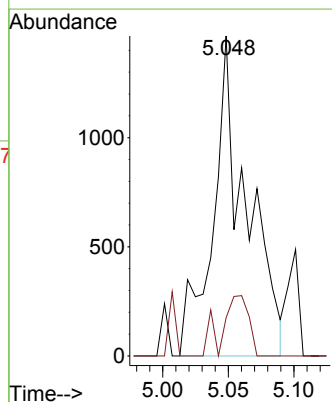
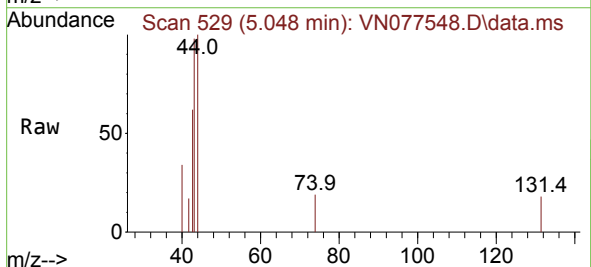
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427

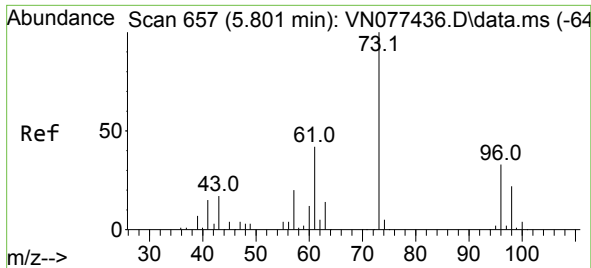
Tgt Ion: 43 Resp: 3574
Ion Ratio Lower Upper
43 100
58 41.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
74 15.1 26.2 39.4#

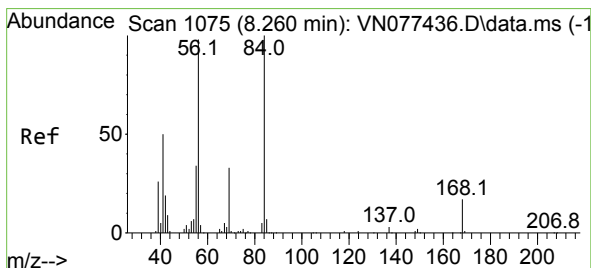
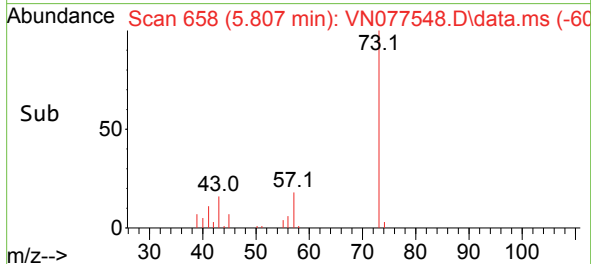
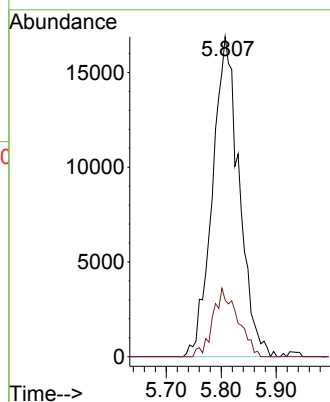
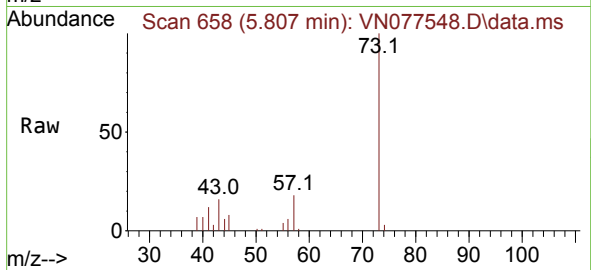




#19
Methyl tert-butyl Ether
Concen: 2.162 ug/l
RT: 5.807 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

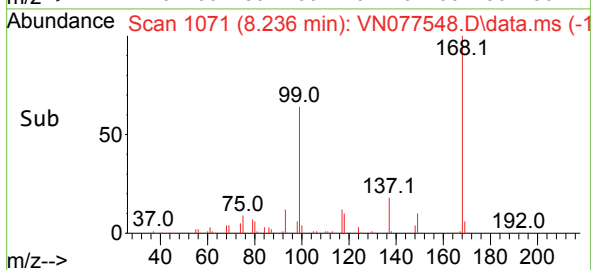
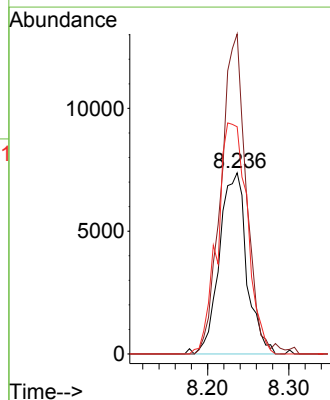
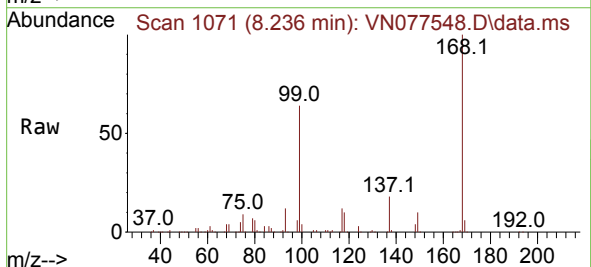
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW10-MW01S-GW-20230427

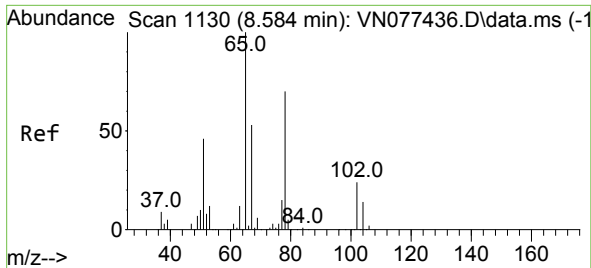
Tgt Ion: 73 Resp: 57104
Ion Ratio Lower Upper
73 100
57 17.7 15.6 23.4



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion: 56 Resp: 17197
Ion Ratio Lower Upper
56 100
69 176.6 26.8 40.2#
84 125.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.723 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

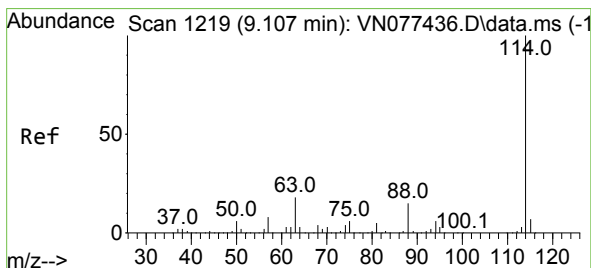
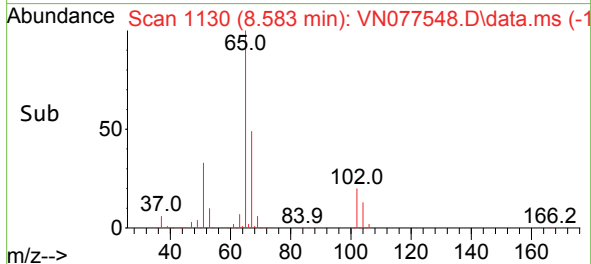
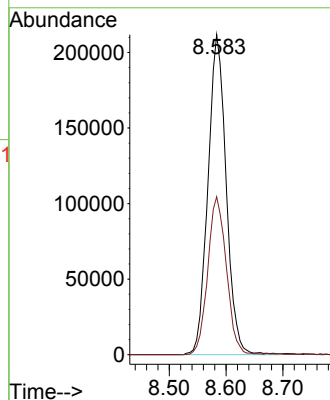
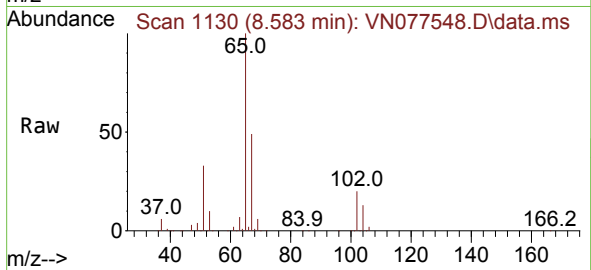
BP-TT-RW10-MW01S-GW-20230427

Tgt Ion: 65 Resp: 471065

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

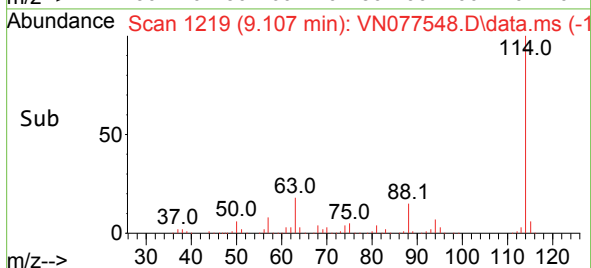
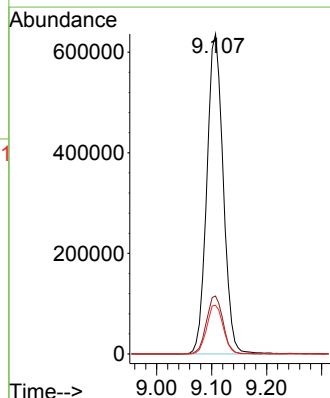
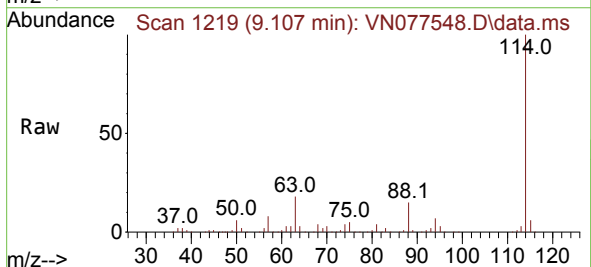
Tgt Ion: 114 Resp: 1312740

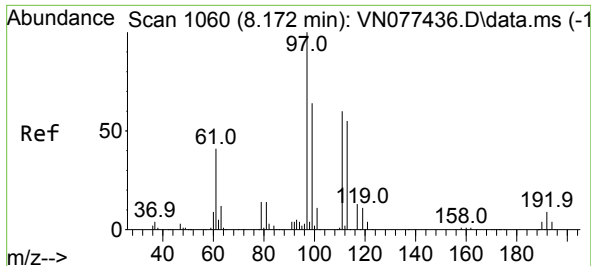
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.675 ug/l

RT: 8.178 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW10-MW01S-GW-20230427

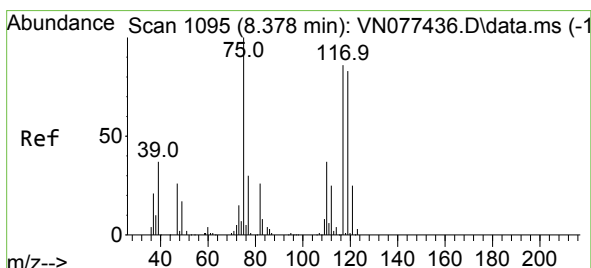
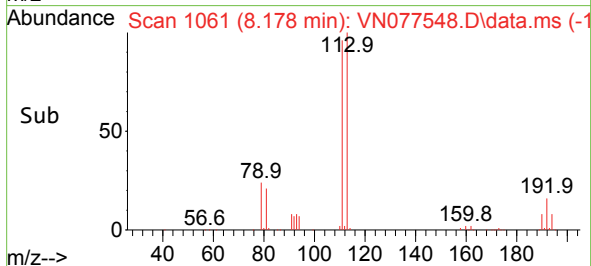
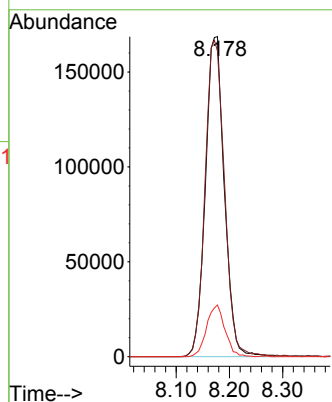
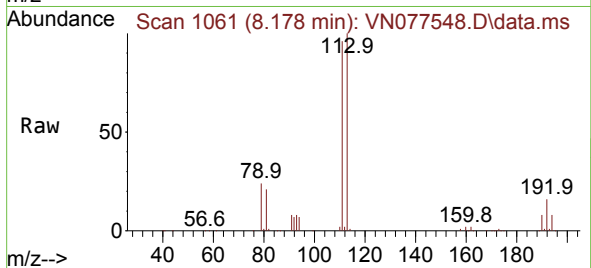
Tgt Ion:113 Resp: 415613

Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 15.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.467 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

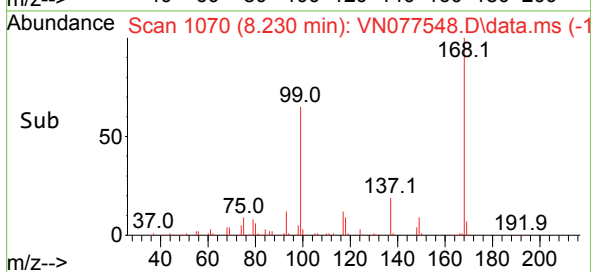
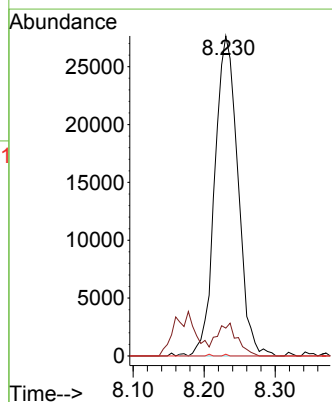
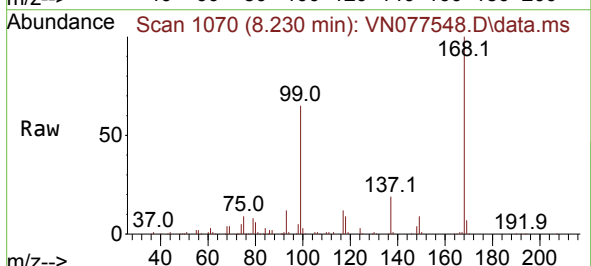
Tgt Ion: 75 Resp: 62314

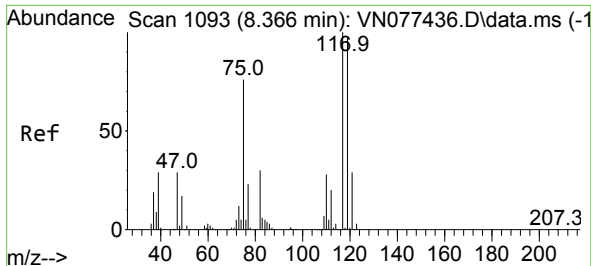
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.1 25.0 37.4#

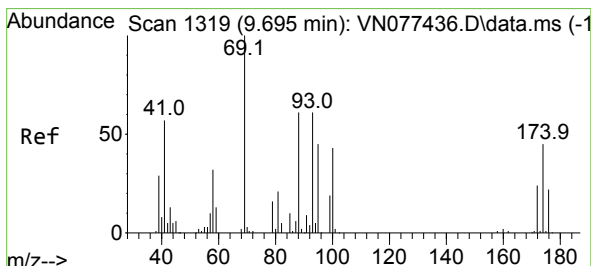
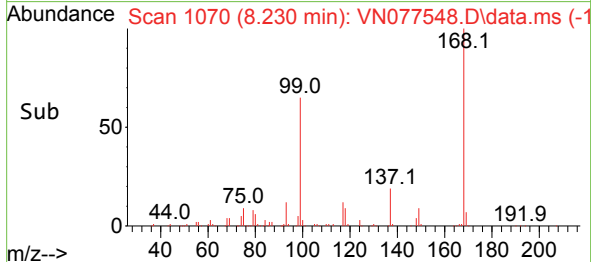
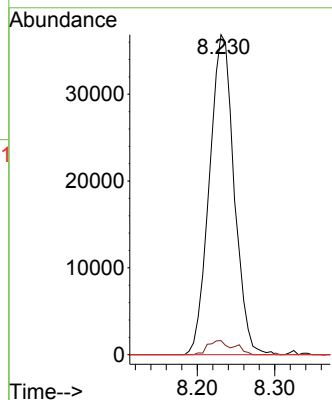
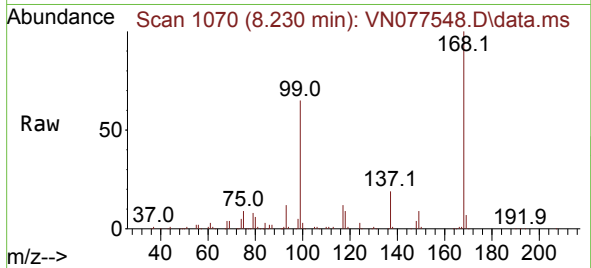




#38
Carbon Tetrachloride
Concen: 6.502 ug/l
RT: 8.230 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

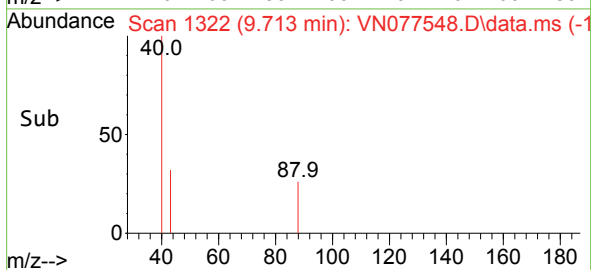
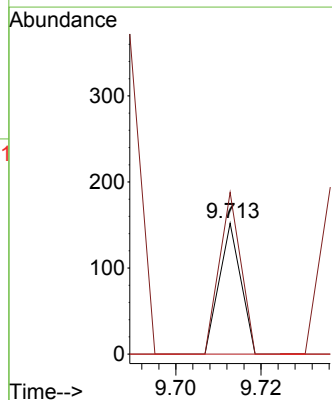
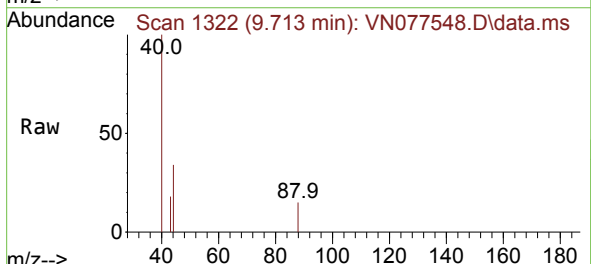
Instrument : MSVOA_N
ClientSampleId : BP-TT-RW10-MW01S-GW-20230427

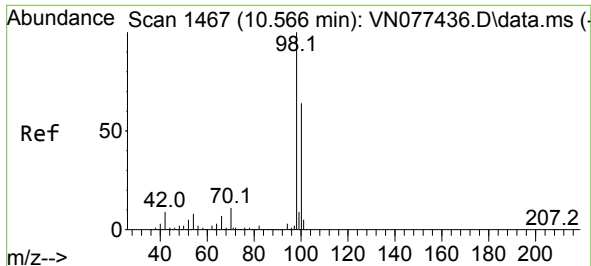
Tgt Ion:117 Resp: 81774
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#49
1,4-Dioxane
Concen: 0.316 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. 0.017 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 122.2 17.0 25.6#
58 0.0 47.0 70.4#

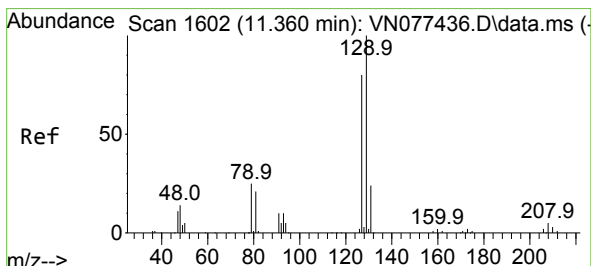
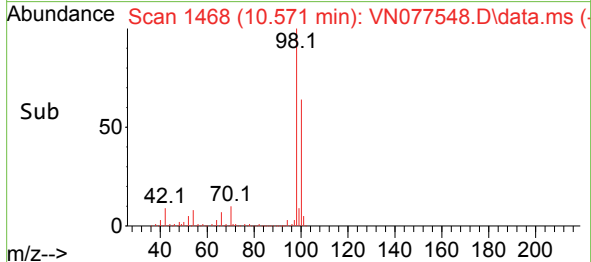
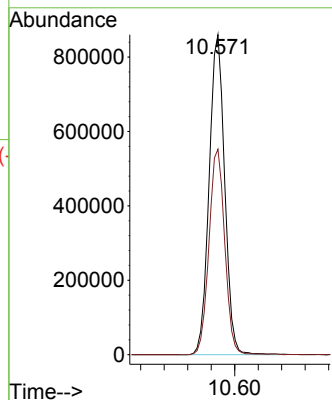
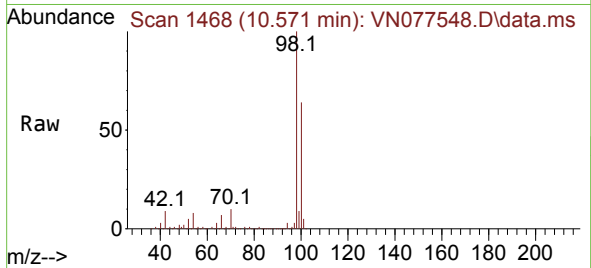




#50
Toluene-d8
Concen: 52.229 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

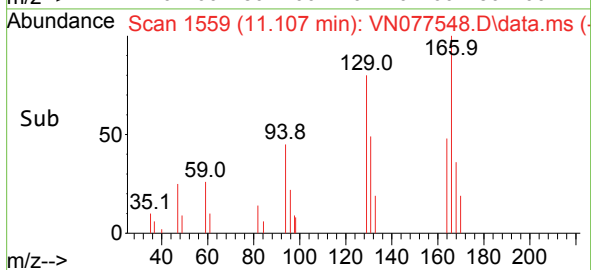
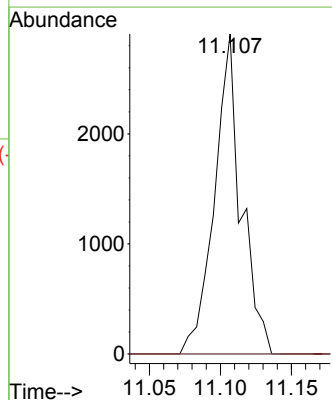
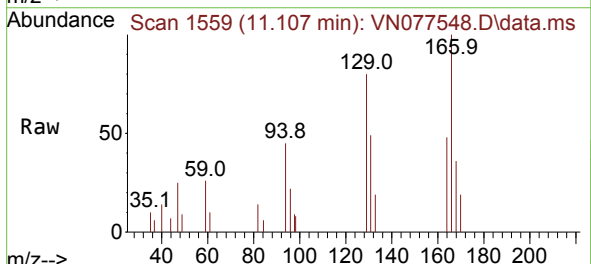
Instrument : MSVOA_N
ClientSampleId : BP-TT-RW10-MW01S-GW-20230427

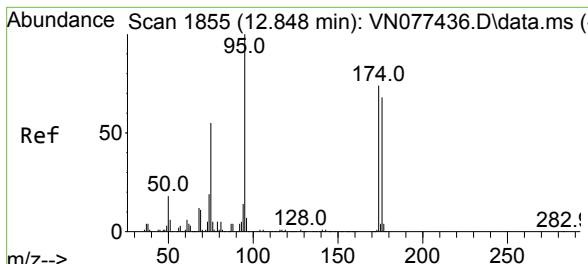
Tgt Ion: 98 Resp: 1579394
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#60
Dibromochloromethane
Concen: 0.400 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.253 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion:129 Resp: 3797
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

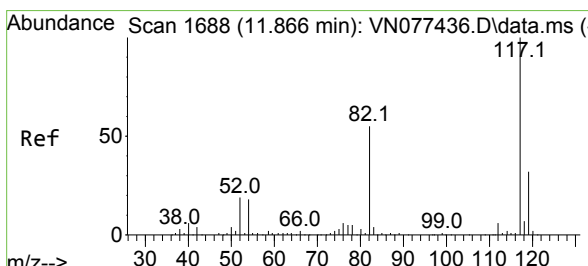
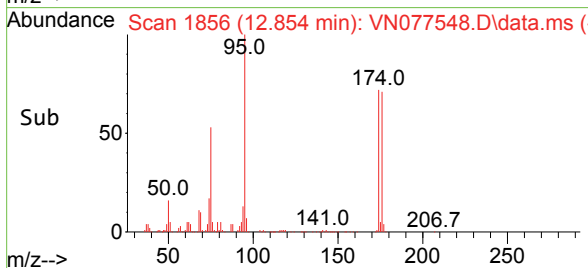
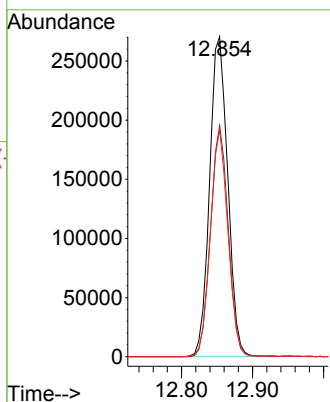
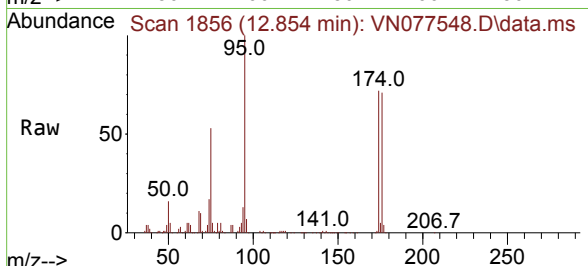




#62
4-Bromofluorobenzene
Concen: 48.501 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

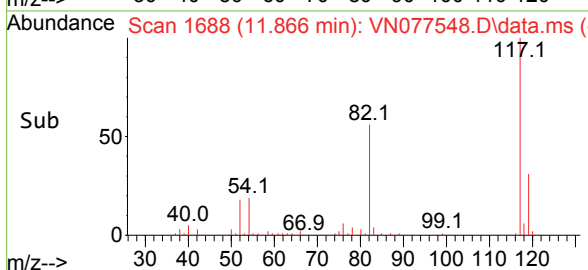
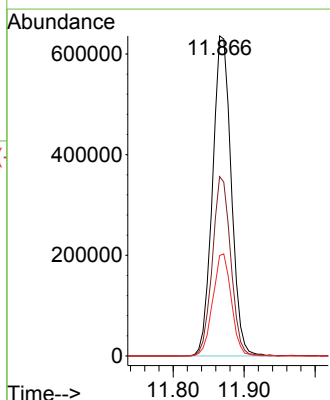
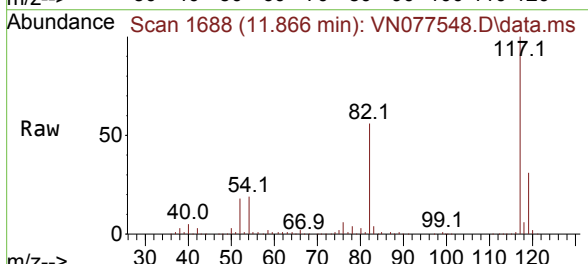
Instrument : MSVOA_N
ClientSampleId : BP-TT-RW10-MW01S-GW-20230427

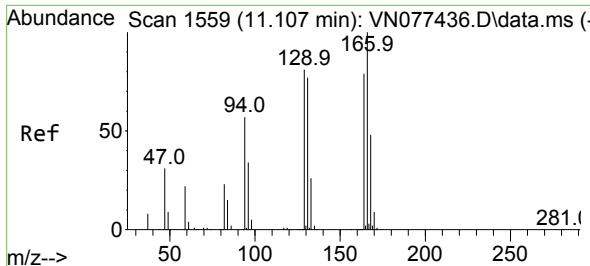
Tgt Ion:	95	Resp:	479852
Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	143.8
176	68.6	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion:	117	Resp:	1162138
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.0	66.0
119	31.4	25.6	38.4

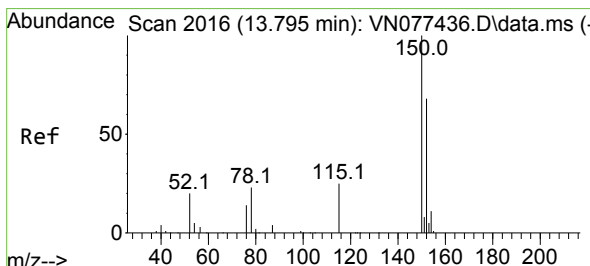
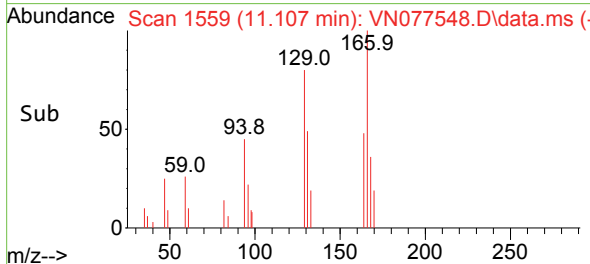
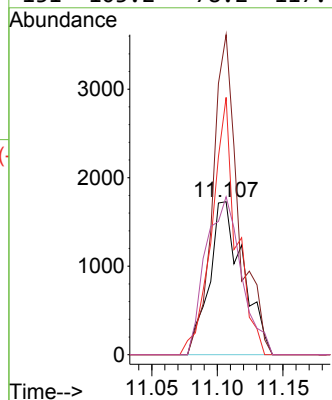
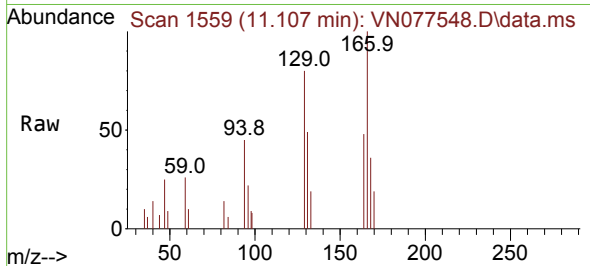




#64
Tetrachloroethene
Concen: 0.445 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

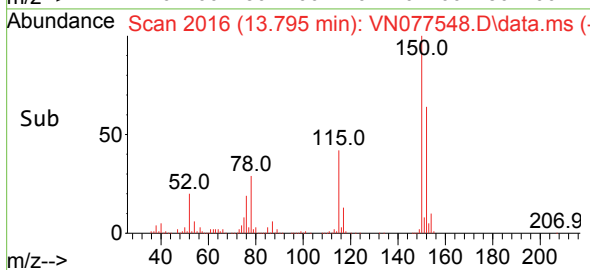
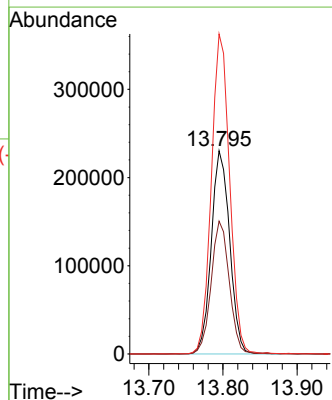
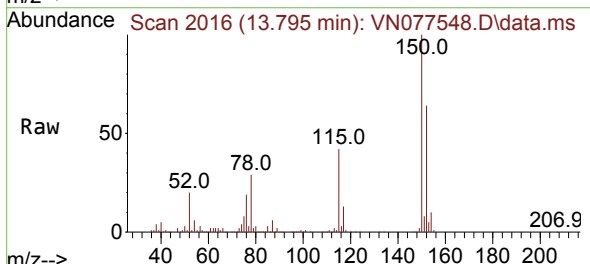
Instrument : MSVOA_N
ClientSampleId : BP-TT-RW10-MW01S-GW-20230427

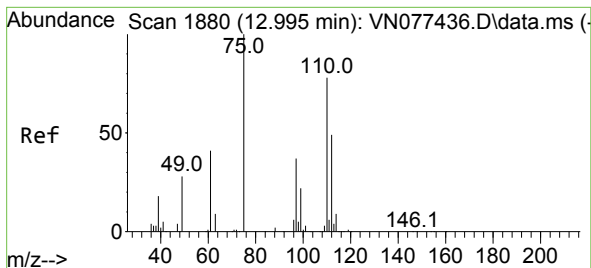
Tgt Ion:164	Resp:	3094
Ion Ratio	Lower	Upper
164	100	
166	209.1	101.4 152.0#
129	168.2	82.4 123.6#
131	103.2	78.2 117.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077548.D
Acq: 01 May 2023 17:36

Tgt Ion:152	Resp:	397780
Ion Ratio	Lower	Upper
152	100	
115	64.4	32.3 96.8
150	156.4	0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.571 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

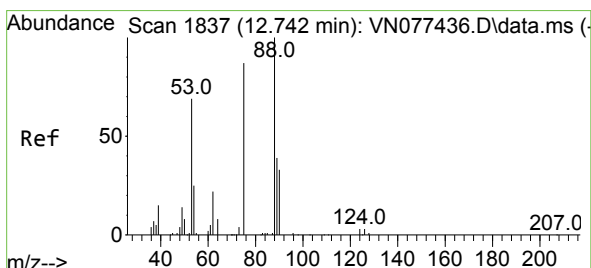
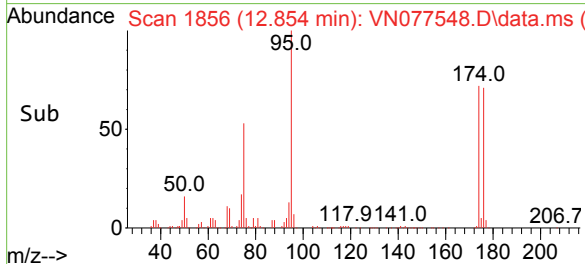
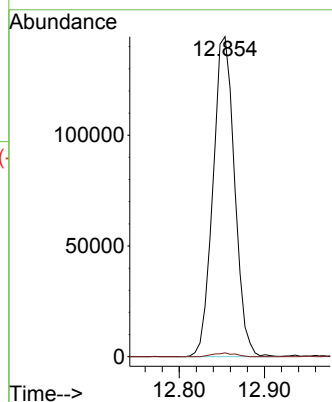
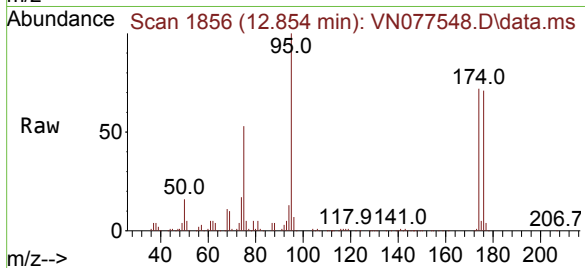
BP-TT-RW10-MW01S-GW-20230427

Tgt Ion: 75 Resp: 255026

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.891 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

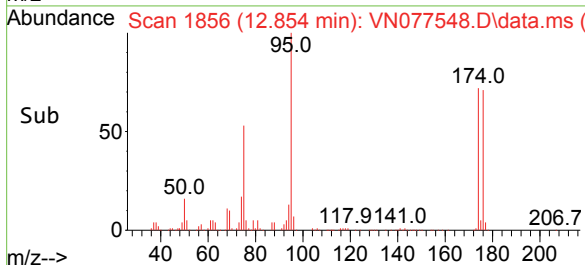
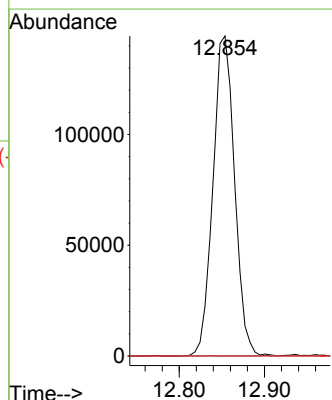
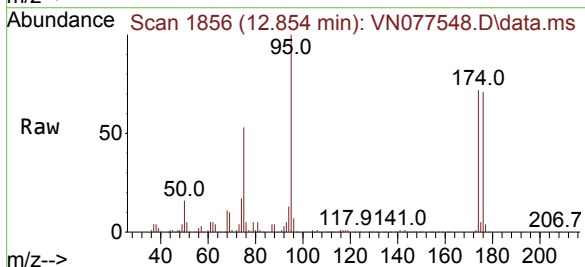
Tgt Ion: 75 Resp: 255026

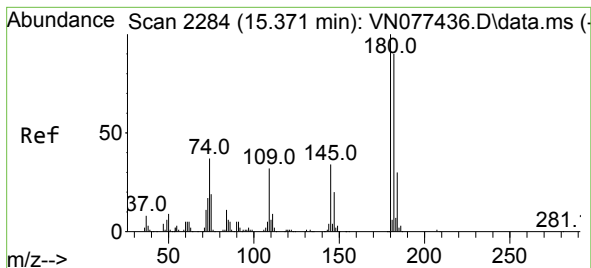
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.857 ug/l

RT: 15.389 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN077548.D

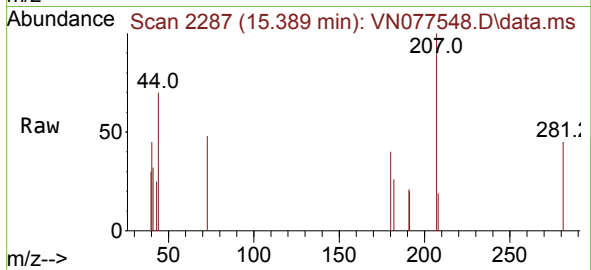
Acq: 01 May 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW10-MW01S-GW-20230427



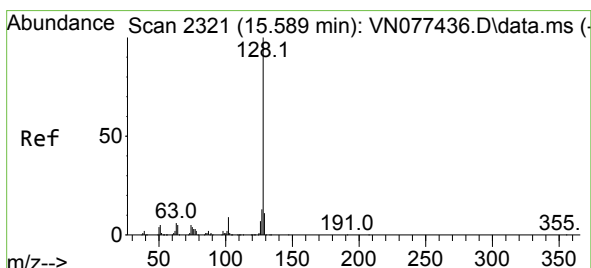
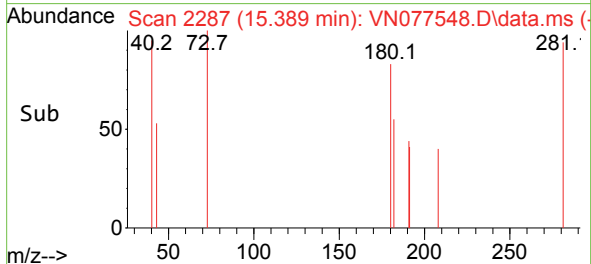
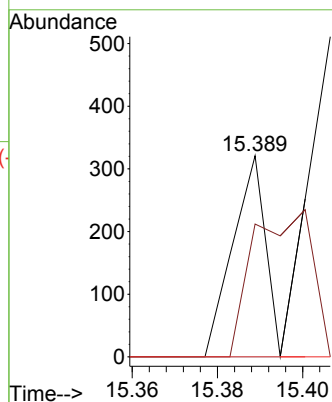
Tgt Ion:180 Resp: 171

Ion Ratio Lower Upper

180 100

182 0.0 46.1 138.2#

145 0.0 16.6 49.8#



#95

Naphthalene

Concen: 1.378 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. 0.053 min

Lab File: VN077548.D

Acq: 01 May 2023 17:36

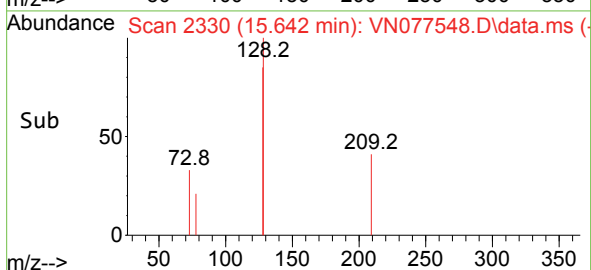
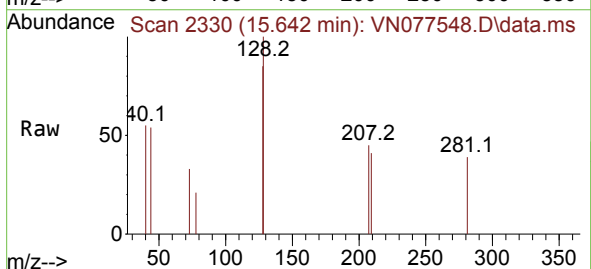
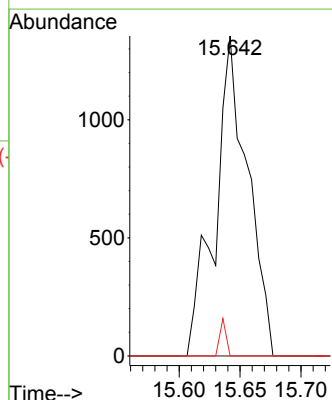
Tgt Ion:128 Resp: 2526

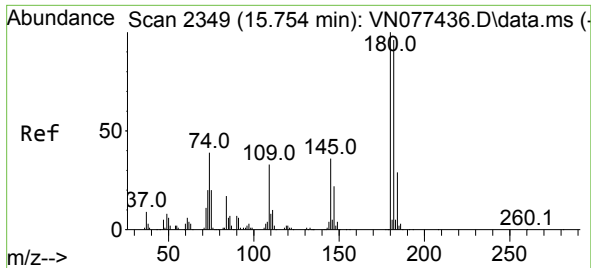
Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 2.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.755 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.094 min
 Lab File: VN077548.D
 Acq: 01 May 2023 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-RW10-MW01S-GW-20230427

Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.4	46.2	138.6
145	7.1	17.5	52.6

