

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041723\
 Data File : VN077357.D
 Acq On : 17 Apr 2023 15:07
 Operator : JC\MD
 Sample : 02355-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-RW5B-20230413

Quant Time: Apr 18 04:41:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

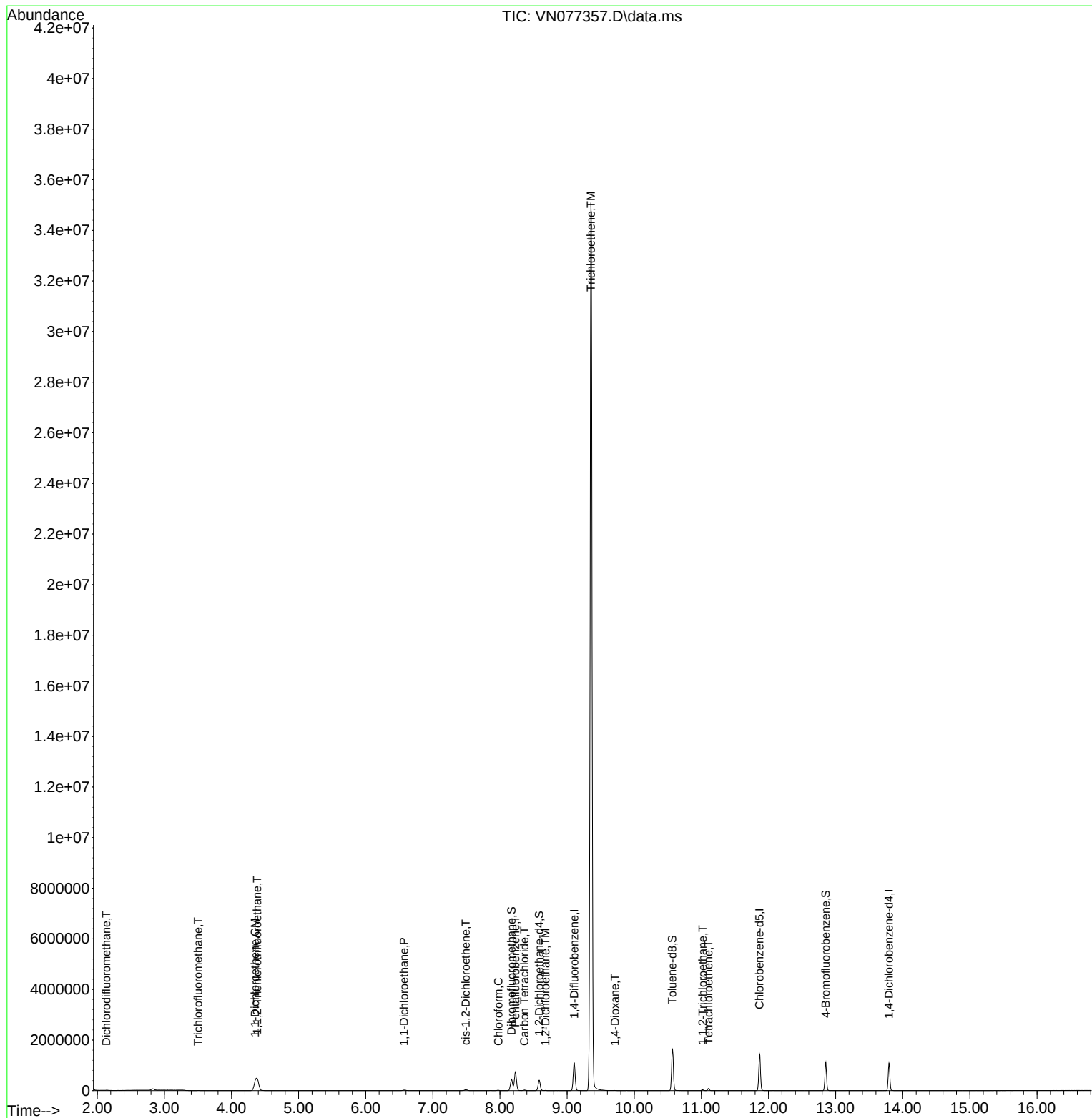
Internal Standards						
1) Pentafluorobenzene	8.231	168	530228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1010857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	881337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	288881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	323278	44.610	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.220%
35) Dibromofluoromethane	8.172	113	305938	47.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.560%
50) Toluene-d8	10.566	98	1221215	46.878	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.854	95	388101	44.794	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	3409	0.504	ug/l	91
7) Trichlorofluoromethane	3.502	101	2545	0.258	ug/l #	57
9) 1,1,2-Trichlorotrifluo...	4.384	101	292482	48.472	ug/l	98
12) 1,1-Dichloroethene	4.348	96	165598	26.661	ug/l	87
24) 1,1-Dichloroethane	6.572	63	34096	2.807	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	29666	3.572	ug/l	85
30) Chloroform	7.978	83	15809	1.221	ug/l #	82
38) Carbon Tetrachloride	8.366	117	16282	1.660	ug/l	93
42) 1,2-Dichloroethane	8.678	62	5261	0.573	ug/l	98
44) Trichloroethene	9.354	130	12101443	1694.170	ug/l	97
49) 1,4-Dioxane	9.713	88	4297	26.294	ug/l #	82
55) 1,1,2-Trichloroethane	11.019	97	12000	1.564	ug/l #	88
64) Tetrachloroethene	11.107	164	17160	3.152	ug/l	91

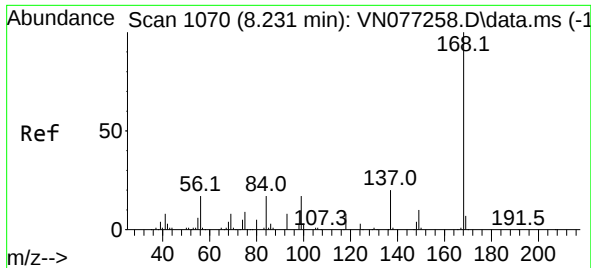
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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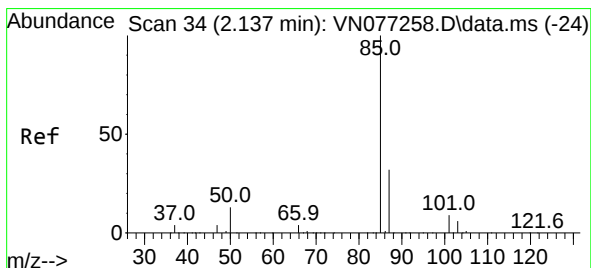
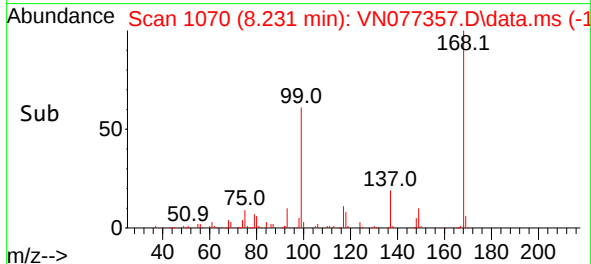
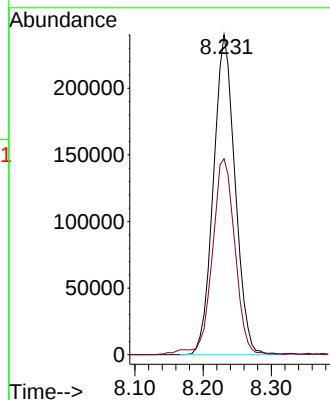
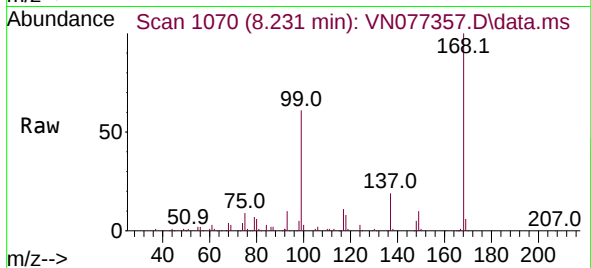




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

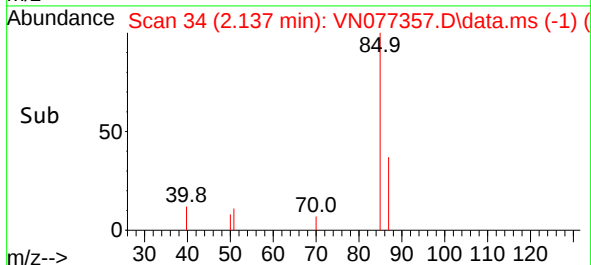
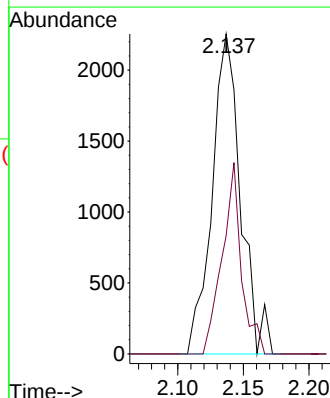
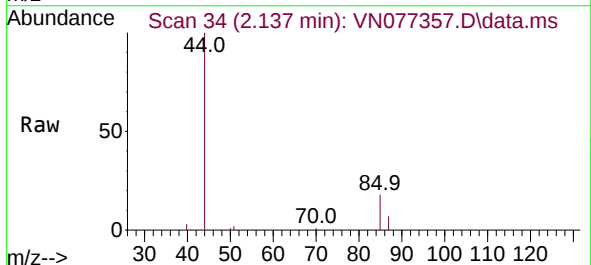
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413

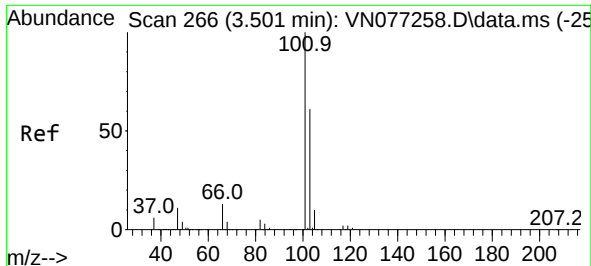
Tgt Ion:168 Resp: 530228
Ion Ratio Lower Upper
168 100
99 61.0 50.6 75.8



#2
Dichlorodifluoromethane
Concen: 0.504 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

Tgt Ion: 85 Resp: 3409
Ion Ratio Lower Upper
85 100
87 36.9 16.1 48.2

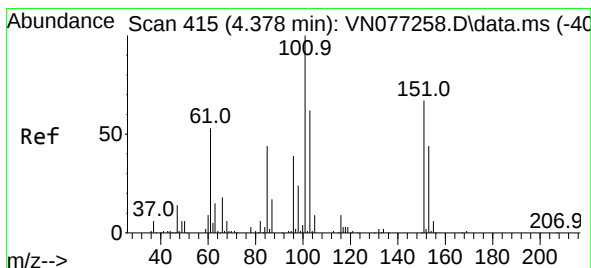
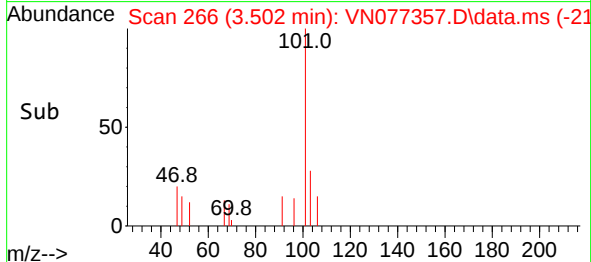
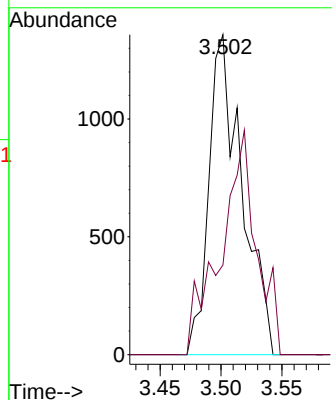
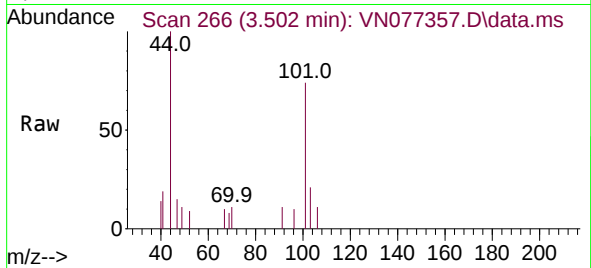




#7
Trichlorofluoromethane
Concen: 0.258 ug/l
RT: 3.502 min Scan# 20
Delta R.T. 0.001 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

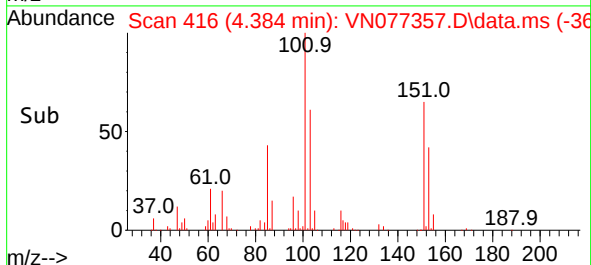
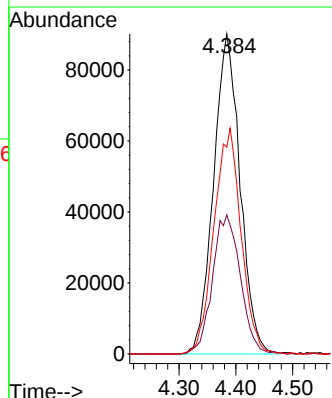
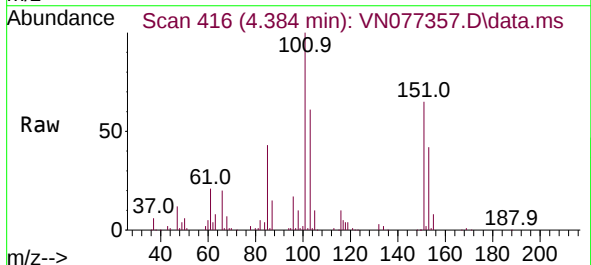
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413

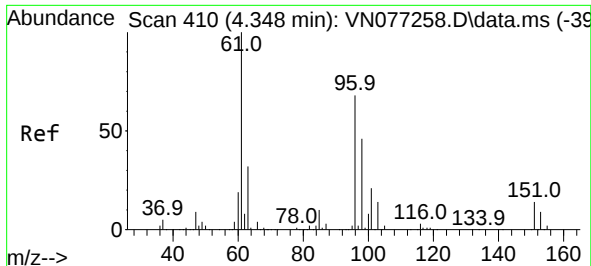
Tgt Ion:101 Resp: 2545
Ion Ratio Lower Upper
101 100
103 28.0 49.0 73.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.472 ug/l
RT: 4.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

Tgt Ion:101 Resp: 292482
Ion Ratio Lower Upper
101 100
85 45.6 37.3 55.9
151 72.2 56.3 84.5

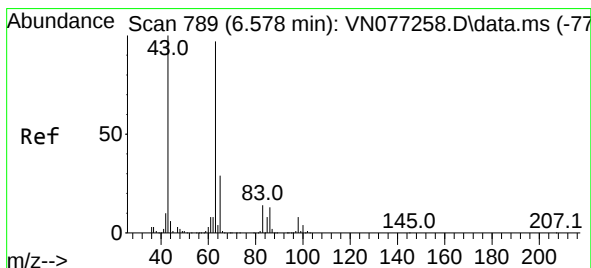
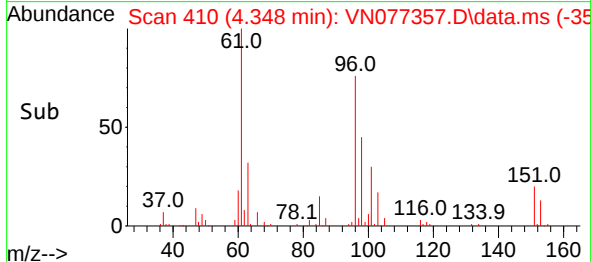
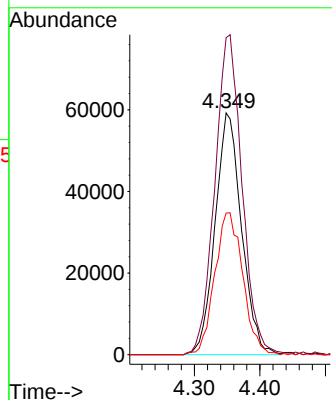
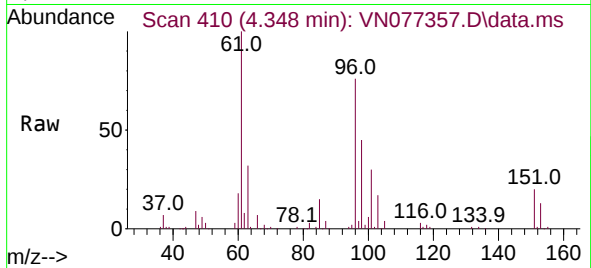




#12
1,1-Dichloroethene
Concen: 26.661 ug/l
RT: 4.348 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

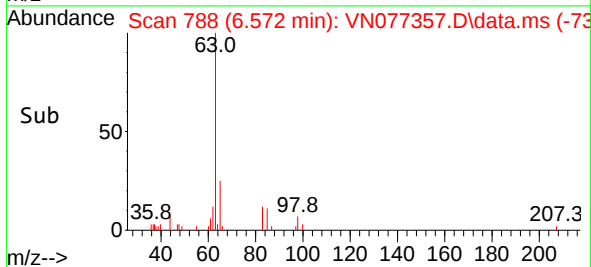
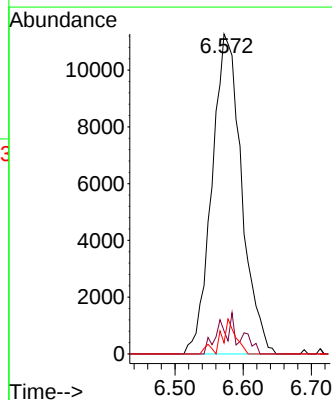
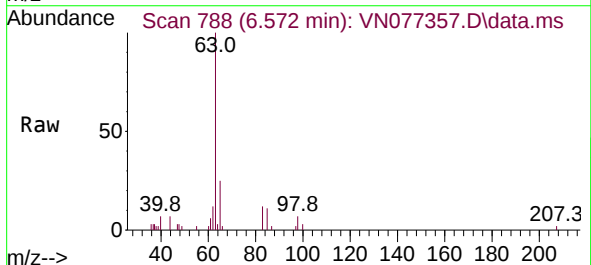
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413

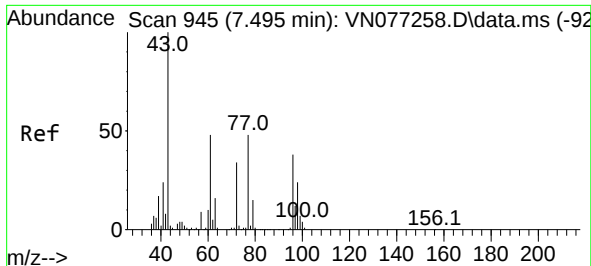
Tgt Ion: 96 Resp: 165598
Ion Ratio Lower Upper
96 100
61 131.1 118.3 177.5
98 58.6 54.5 81.7



#24
1,1-Dichloroethane
Concen: 2.807 ug/l
RT: 6.572 min Scan# 788
Delta R.T. -0.006 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

Tgt Ion: 63 Resp: 34096
Ion Ratio Lower Upper
63 100
98 7.2 4.0 12.0
100 3.5 2.3 6.9

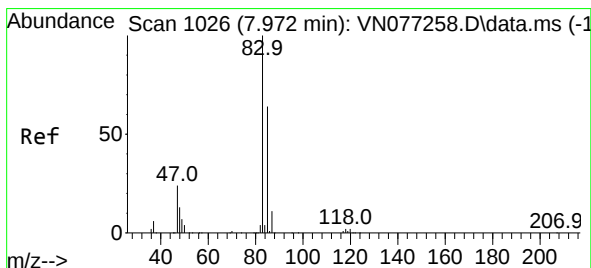
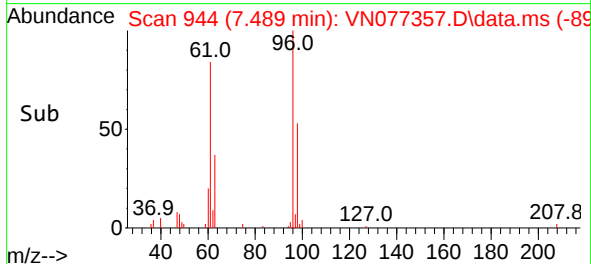
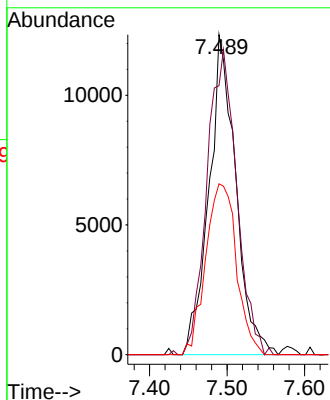
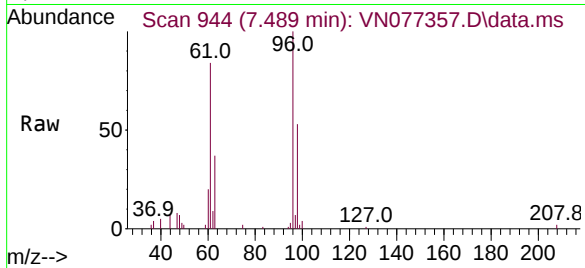




#27
 cis-1,2-Dichloroethene
 Concen: 3.572 ug/l
 RT: 7.489 min Scan# 945
 Delta R.T. -0.006 min
 Lab File: VN077357.D
 Acq: 17 Apr 2023 15:07

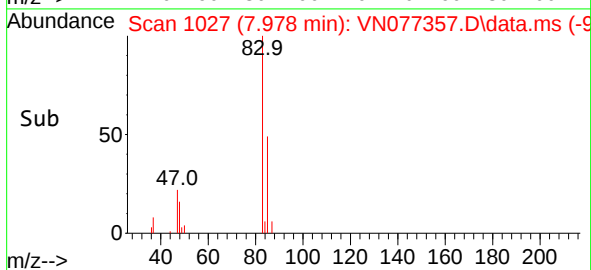
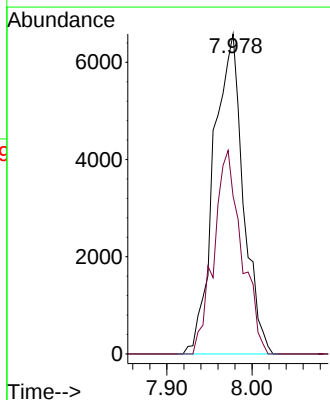
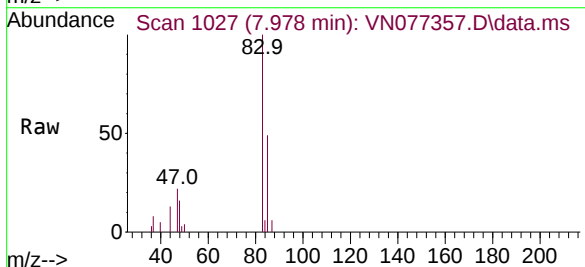
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-RW5B-20230413

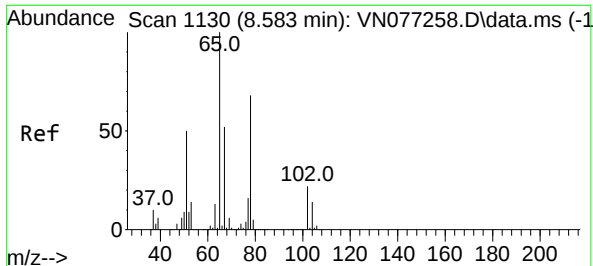
Tgt Ion: 96 Resp: 29666
 Ion Ratio Lower Upper
 96 100
 61 105.8 0.0 261.0
 98 61.2 0.0 128.0



#30
 Chloroform
 Concen: 1.221 ug/l
 RT: 7.978 min Scan# 1027
 Delta R.T. 0.006 min
 Lab File: VN077357.D
 Acq: 17 Apr 2023 15:07

Tgt Ion: 83 Resp: 15809
 Ion Ratio Lower Upper
 83 100
 85 49.3 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 44.610 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

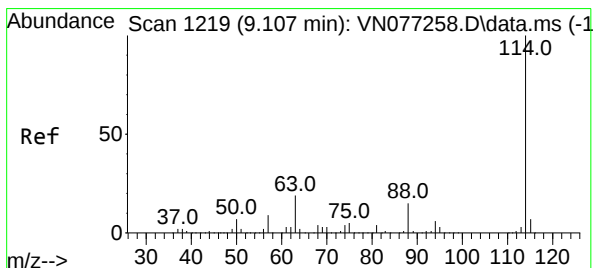
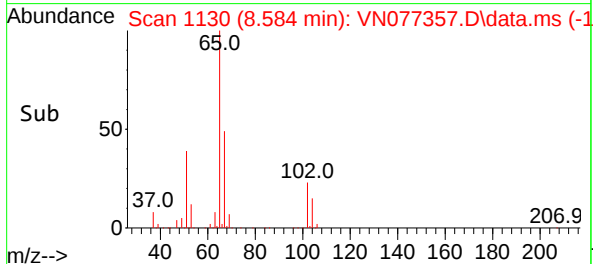
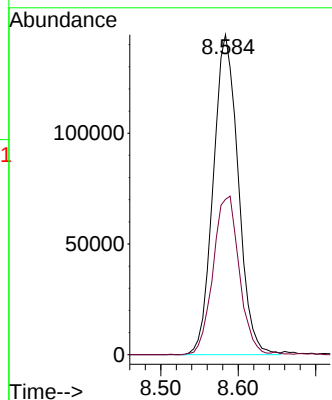
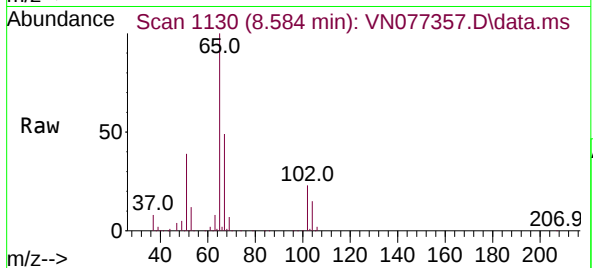
BP-TT-RW5B-20230413

Tgt Ion: 65 Resp: 323278

Ion Ratio Lower Upper

65 100

67 51.8 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

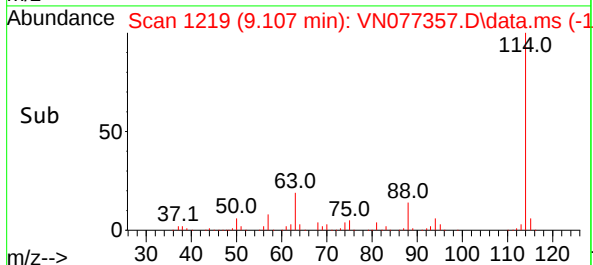
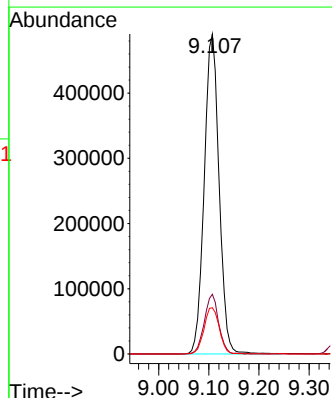
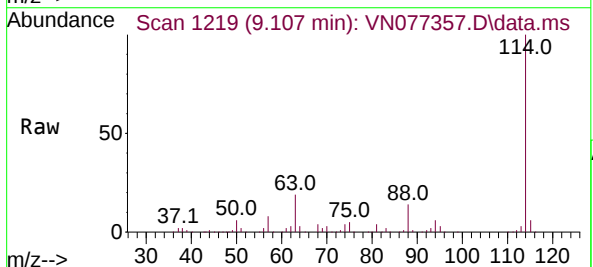
Tgt Ion: 114 Resp: 1010857

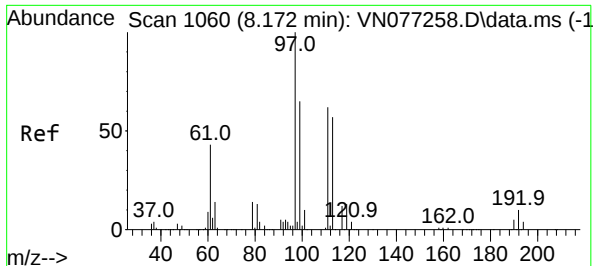
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.277 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW5B-20230413

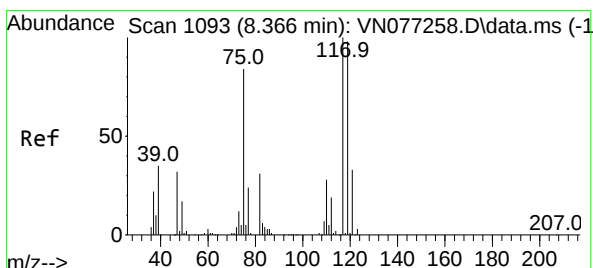
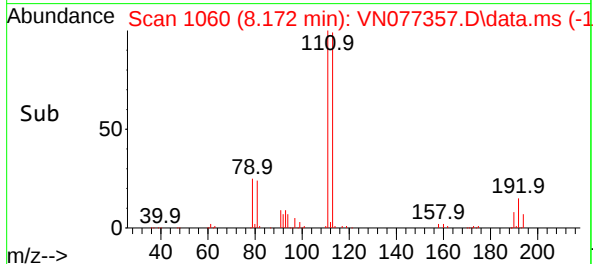
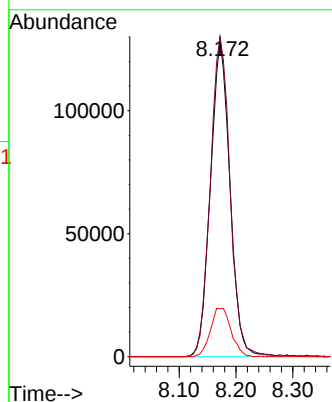
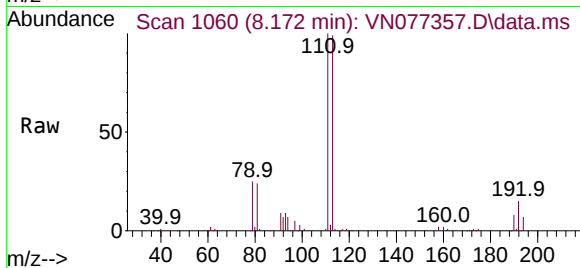
Tgt Ion:113 Resp: 305938

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.0

192 16.2 13.5 20.3



#38

Carbon Tetrachloride

Concen: 1.660 ug/l

RT: 8.366 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

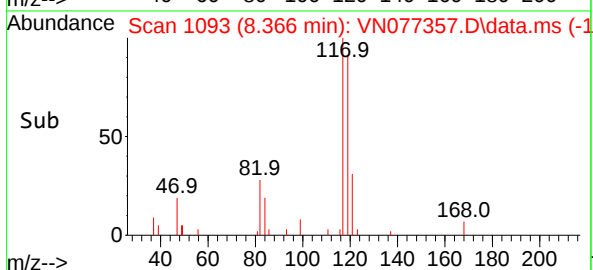
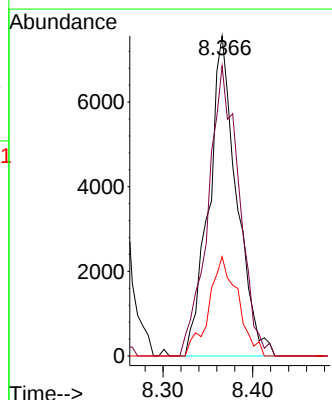
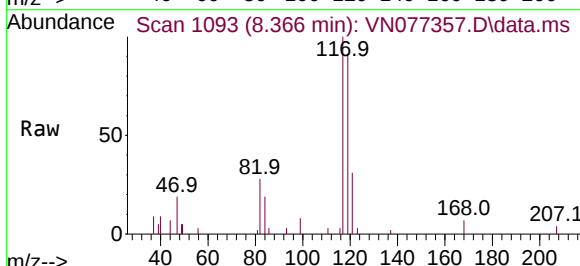
Tgt Ion:117 Resp: 16282

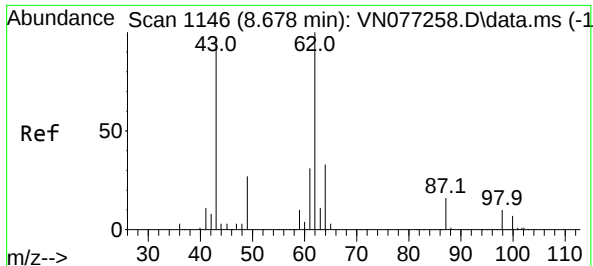
Ion Ratio Lower Upper

117 100

119 90.7 78.5 117.7

121 31.0 26.6 40.0





#42

1,2-Dichloroethane

Concen: 0.573 ug/l

RT: 8.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN077357.D

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ClientSampleId :

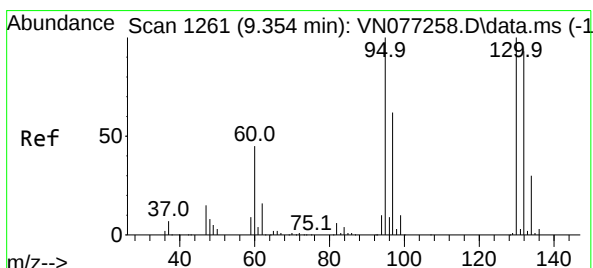
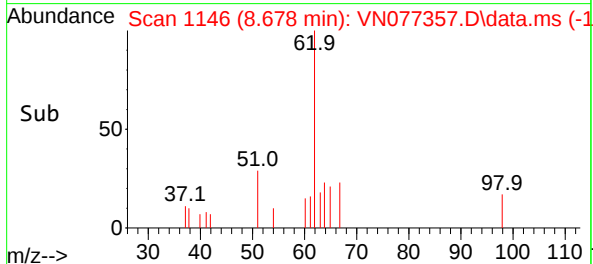
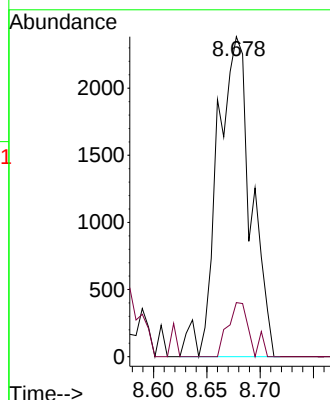
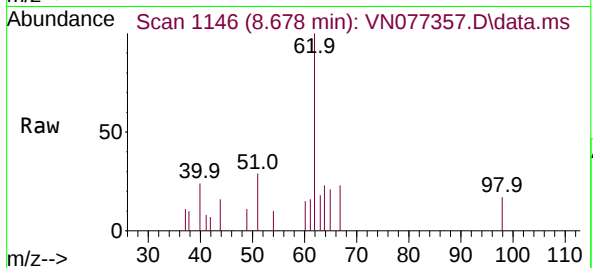
BP-TT-RW5B-20230413

Tgt Ion: 62 Resp: 5261

Ion Ratio Lower Upper

62 100

98 10.9 0.0 20.2



#44

Trichloroethene

Concen: 1694.170 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VN077357.D

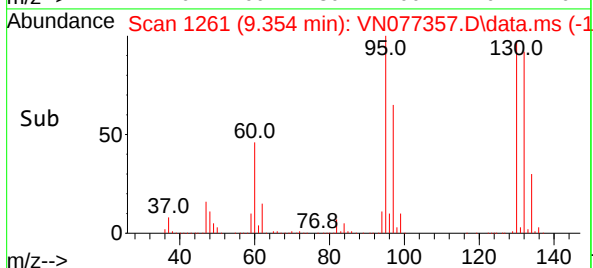
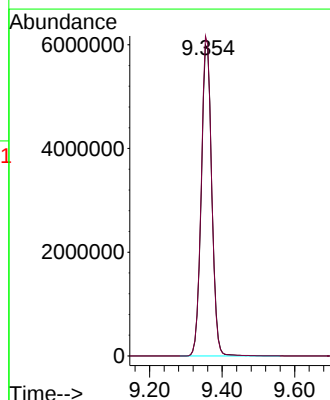
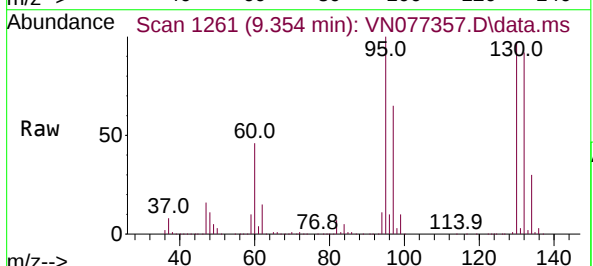
Acq: 17 Apr 2023 15:07

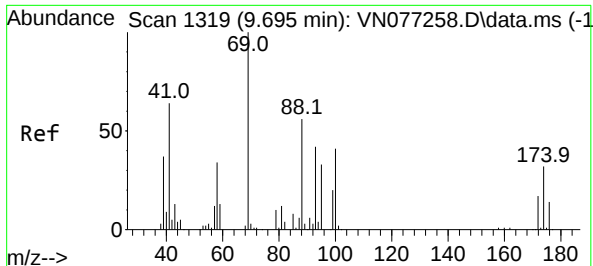
Tgt Ion: 130 Resp: 12101443

Ion Ratio Lower Upper

130 100

95 102.9 0.0 200.2

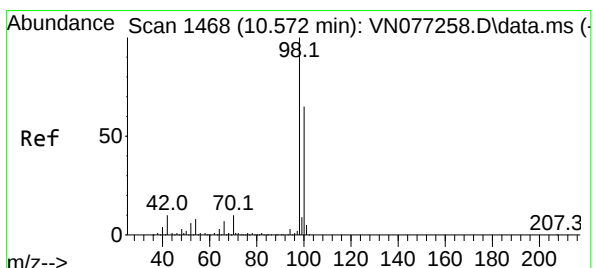
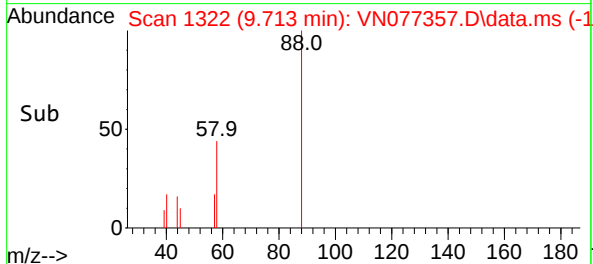
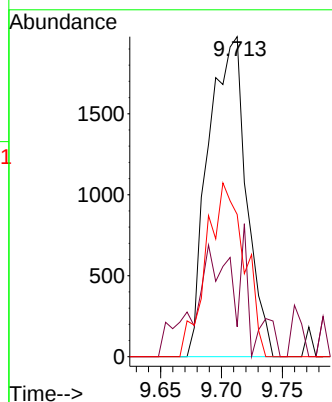
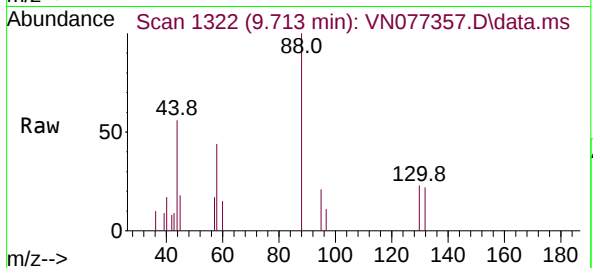




#49
1,4-Dioxane
Concen: 26.294 ug/l
RT: 9.713 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

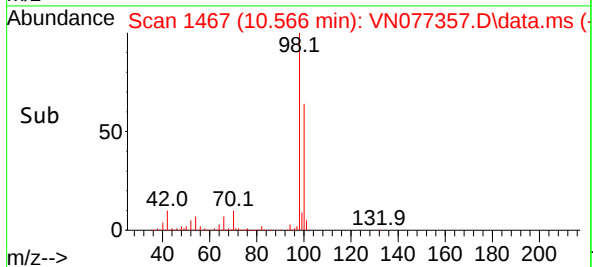
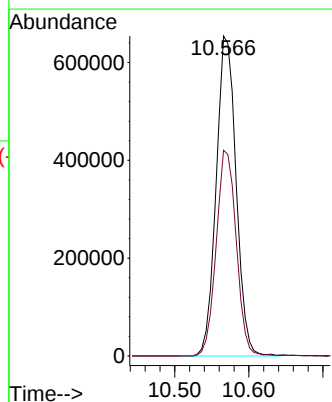
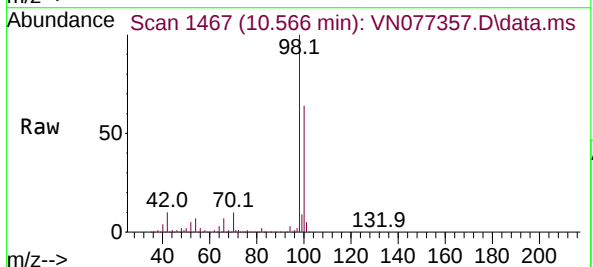
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413

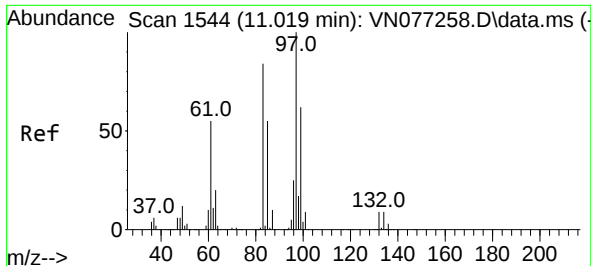
Tgt Ion: 88 Resp: 4297
Ion Ratio Lower Upper
88 100
43 40.8 17.0 25.6#
58 54.2 49.8 74.6



#50
Toluene-d8
Concen: 46.878 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.006 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

Tgt Ion: 98 Resp: 1221215
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9

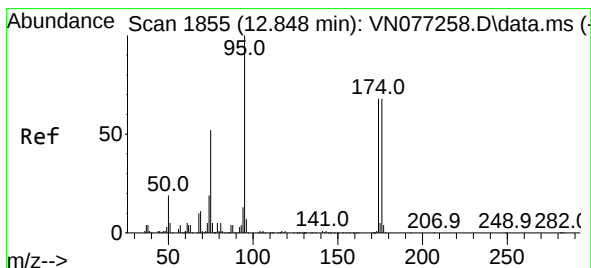
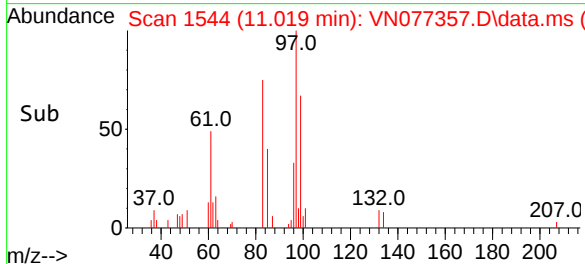
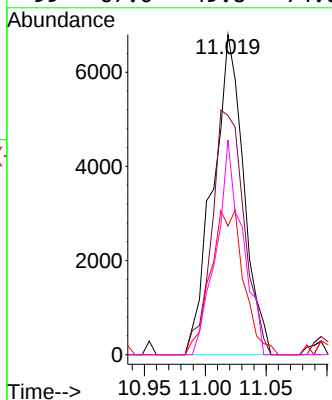
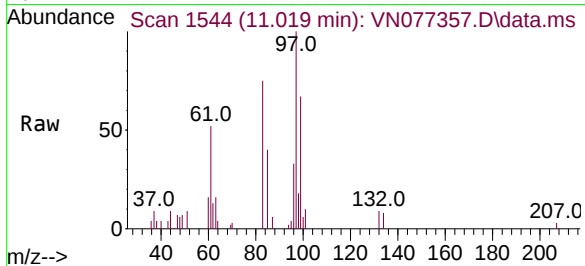




#55
1,1,2-Trichloroethane
Concen: 1.564 ug/l
RT: 11.019 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

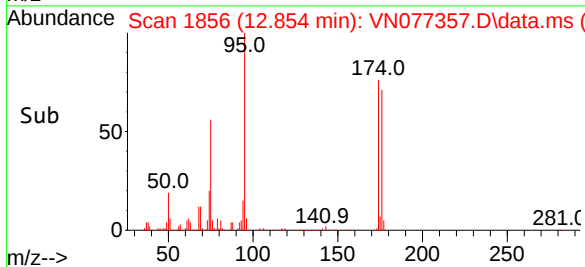
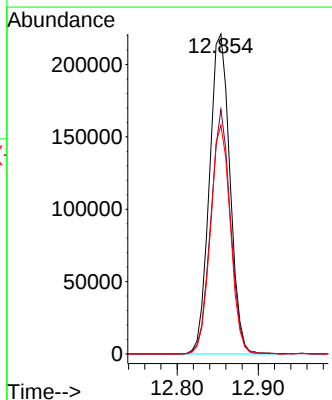
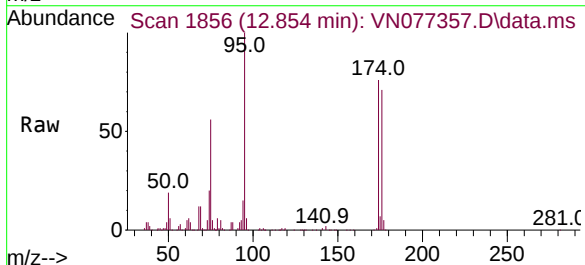
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-RW5B-20230413

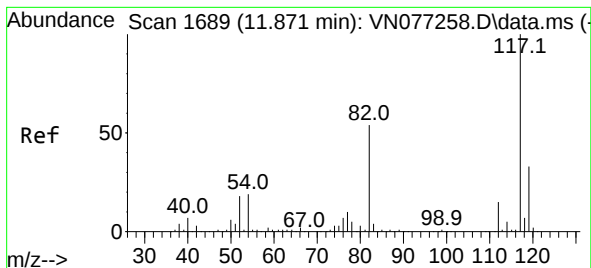
Tgt Ion:	97	Resp:	12000
Ion	Ratio	Lower	Upper
97	100		
83	74.7	67.4	101.2
85	40.2	44.1	66.1#
99	67.0	49.8	74.6



#62
4-Bromofluorobenzene
Concen: 44.794 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077357.D
Acq: 17 Apr 2023 15:07

Tgt Ion:	95	Resp:	388101
Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	146.8
176	69.6	0.0	139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW5B-20230413

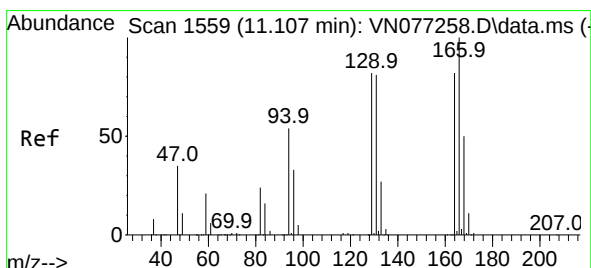
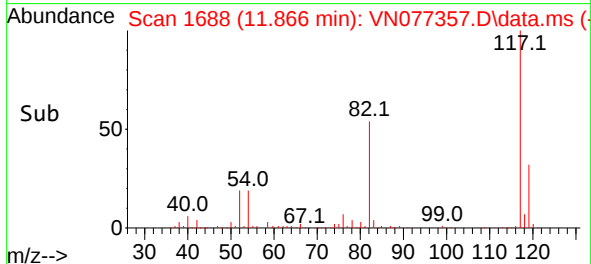
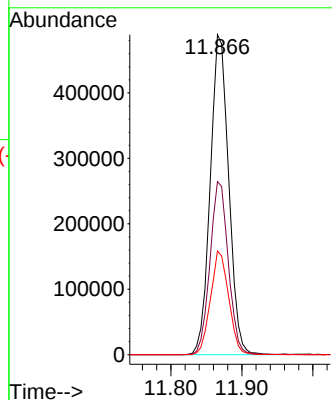
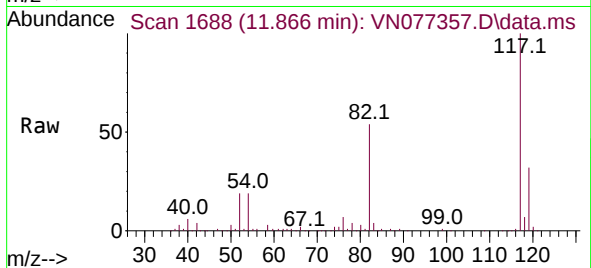
Tgt Ion:117 Resp: 881337

Ion Ratio Lower Upper

117 100

82 54.1 42.9 64.3

119 32.4 26.2 39.4



#64

Tetrachloroethene

Concen: 3.152 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VN077357.D

Acq: 17 Apr 2023 15:07

Tgt Ion:164 Resp: 17160

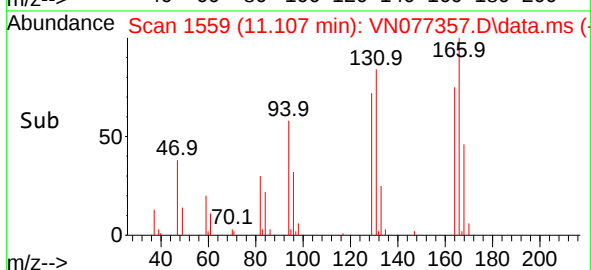
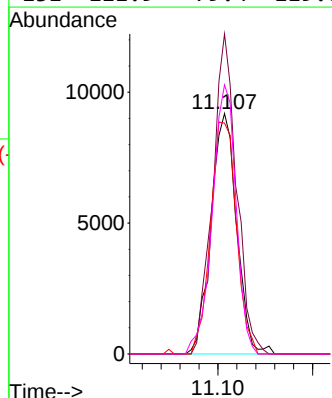
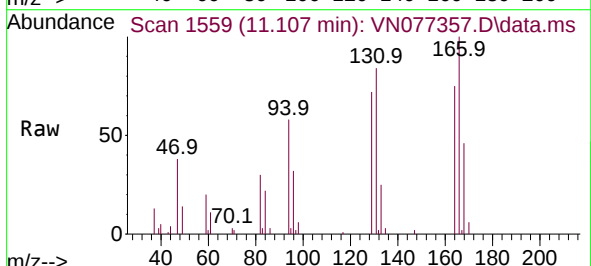
Ion Ratio Lower Upper

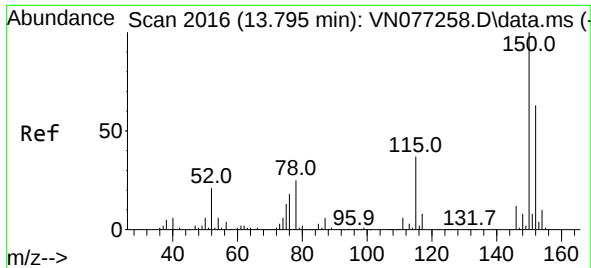
164 100

166 133.1 97.8 146.6

129 96.0 80.1 120.1

131 111.9 79.4 119.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077357.D

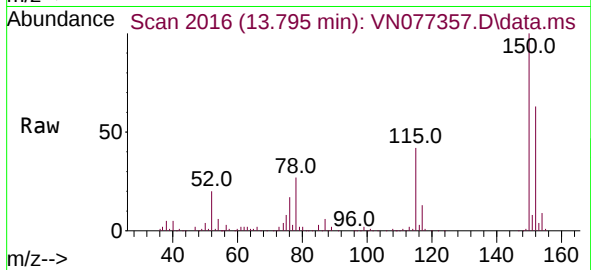
Acq: 17 Apr 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-RW5B-20230413



Tgt Ion:152 Resp: 288881

Ion Ratio Lower Upper

152 100

115 65.3 32.1 96.3

150 160.2 0.0 354.8

