

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078353.D
 Acq On : 22 Jun 2023 16:28
 Operator : JC\MD
 Sample : 03378-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-306-326-062123

Quant Time: Jun 23 08:03:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

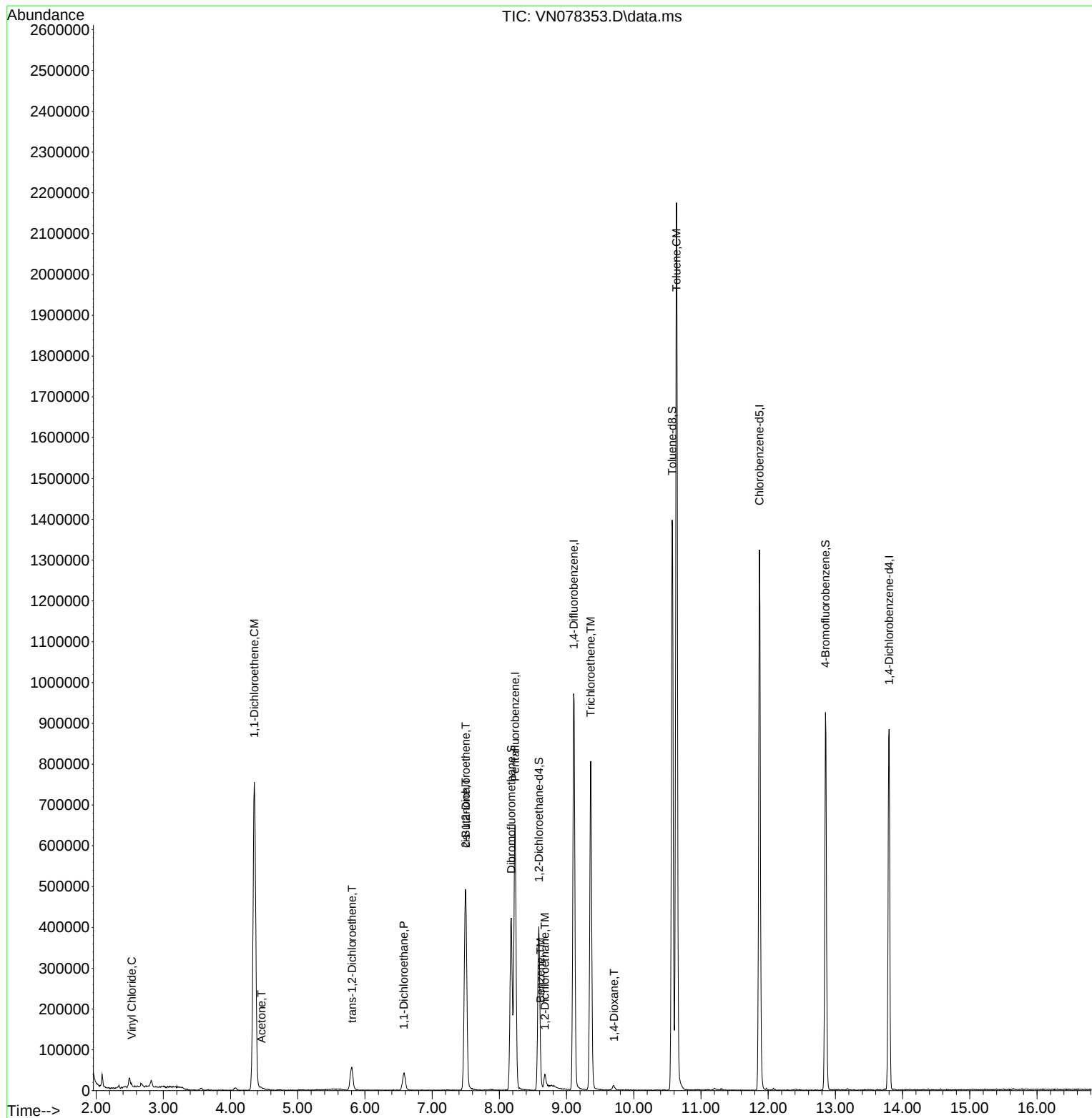
Internal Standards						
1) Pentafluorobenzene	8.236	168	478287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	886409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	791906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	322205	50.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.060%			
35) Dibromofluoromethane	8.177	113	304351	54.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.600%			
50) Toluene-d8	10.571	98	1021187	47.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.520%			
62) 4-Bromofluorobenzene	12.853	95	331213	49.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.620%			
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.530	62	4425	0.625	ug/l #	75
12) 1,1-Dichloroethene	4.353	96	454736	87.066	ug/l	89
16) Acetone	4.459	43	5481	2.986	ug/l #	80
21) trans-1,2-Dichloroethene	5.806	96	35784	6.352	ug/l #	80
24) 1,1-Dichloroethane	6.577	63	59956	6.060	ug/l	95
25) 2-Butanone	7.500	43	13389	4.743	ug/l #	45
27) cis-1,2-Dichloroethene	7.500	96	306558	45.623	ug/l	96
40) Benzene	8.612	78	6410	0.267	ug/l #	89
42) 1,2-Dichloroethane	8.677	62	35144	4.271	ug/l	100
44) Trichloroethene	9.359	130	286021	45.126	ug/l	96
49) 1,4-Dioxane	9.706	88	7815	73.770	ug/l #	68
52) Toluene	10.635	92	972752	64.194	ug/l	95

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

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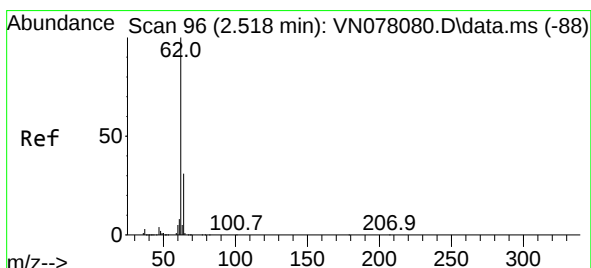
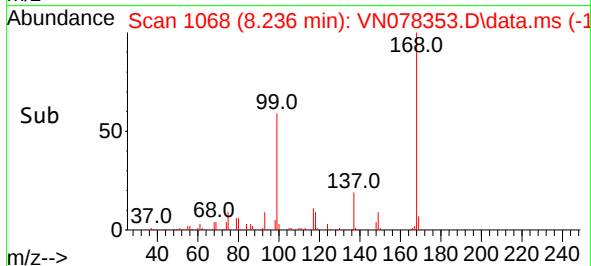
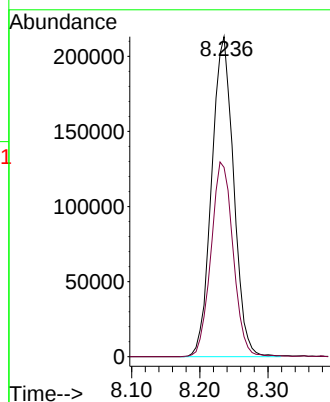
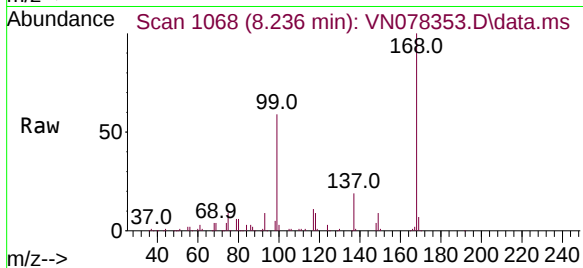




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

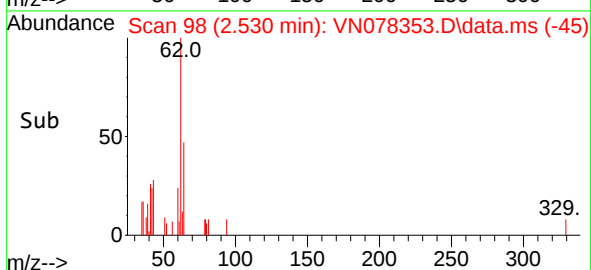
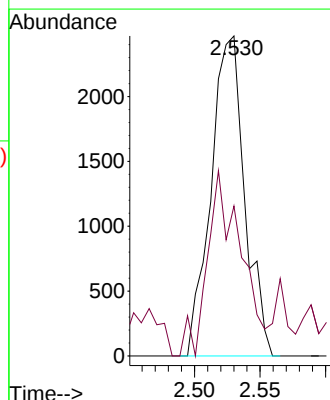
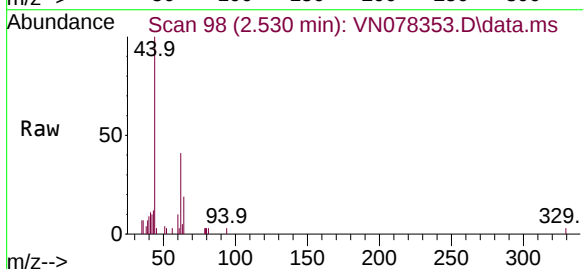
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-306-326-062123

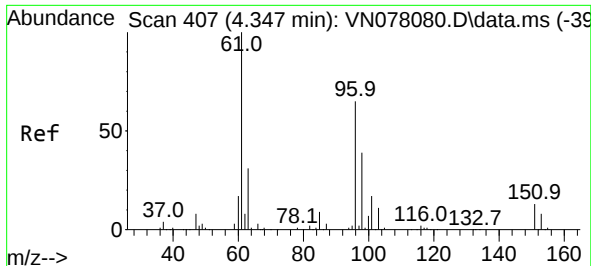
Tgt Ion:168 Resp: 478287
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#4
Vinyl Chloride
Concen: 0.625 ug/l
RT: 2.530 min Scan# 98
Delta R.T. 0.012 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Tgt Ion: 62 Resp: 4425
Ion Ratio Lower Upper
62 100
64 46.9 26.2 39.2#





#12

1,1-Dichloroethene

Concen: 87.066 ug/l

RT: 4.353 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN078353.D

Acq: 22 Jun 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-306-326-062123

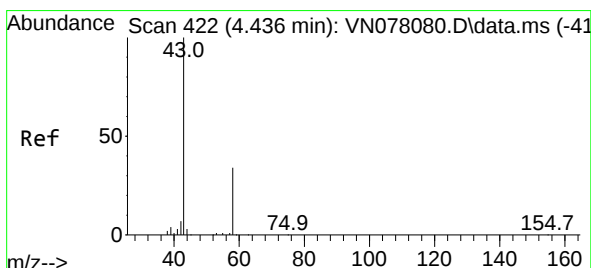
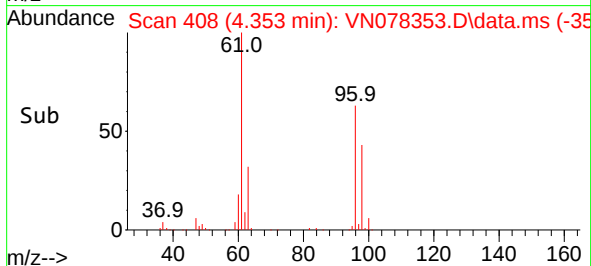
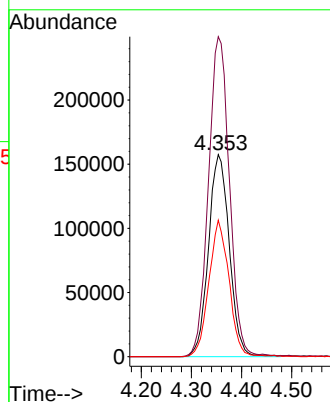
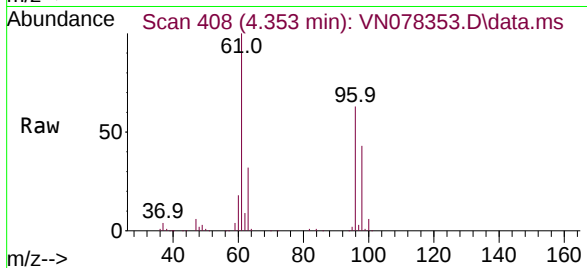
Tgt Ion: 96 Resp: 454736

Ion Ratio Lower Upper

96 100

61 158.3 112.7 169.1

98 67.5 51.2 76.8



#16

Acetone

Concen: 2.986 ug/l

RT: 4.459 min Scan# 426

Delta R.T. 0.024 min

Lab File: VN078353.D

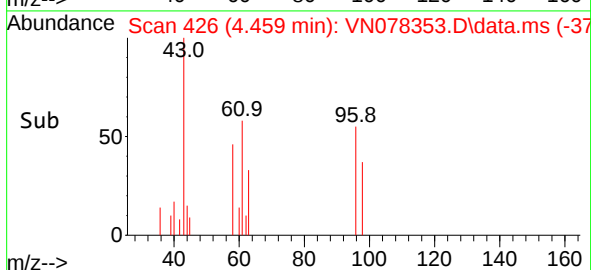
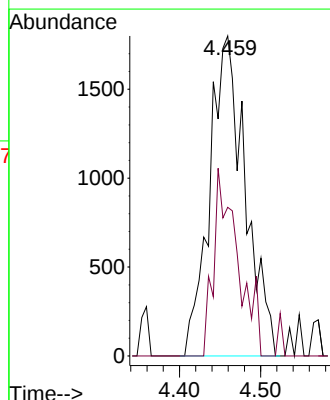
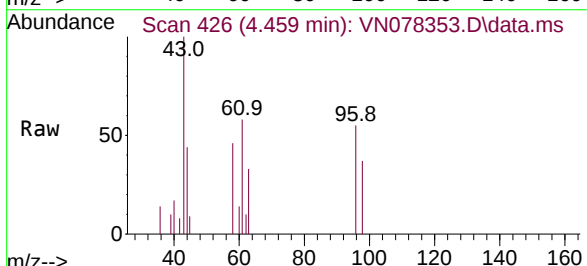
Acq: 22 Jun 2023 16:28

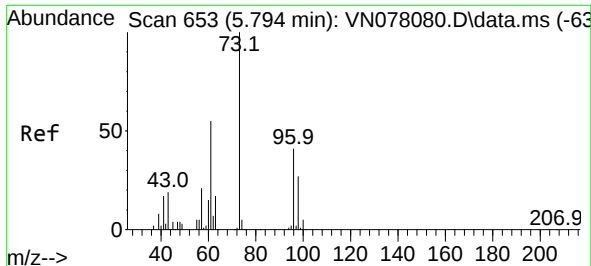
Tgt Ion: 43 Resp: 5481

Ion Ratio Lower Upper

43 100

58 46.4 28.0 42.0#

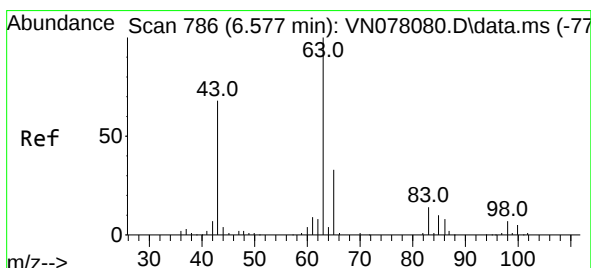
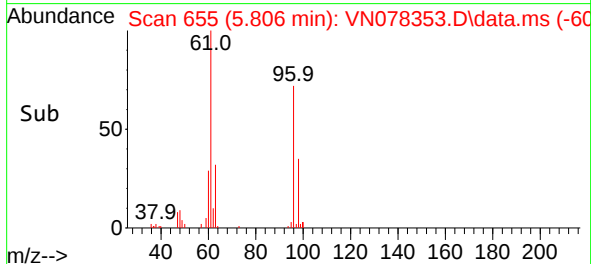
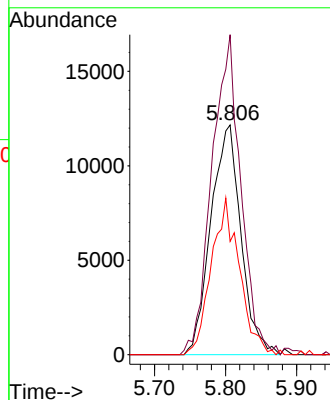
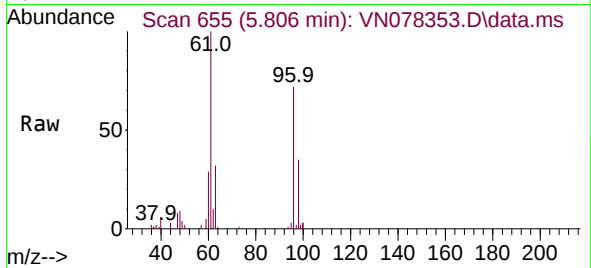




#21
trans-1,2-Dichloroethene
Concen: 6.352 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

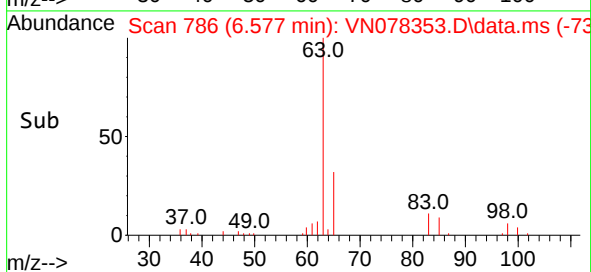
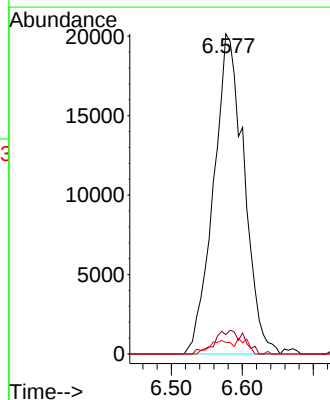
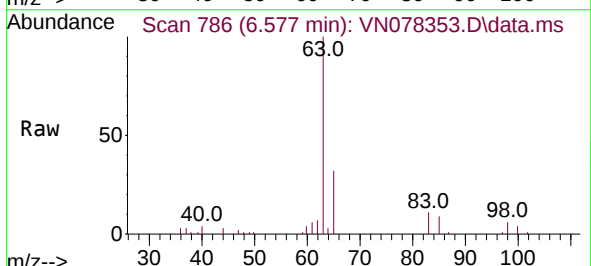
Instrument :
MSVOA_N
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GWOW-BR-05-306-326-062123

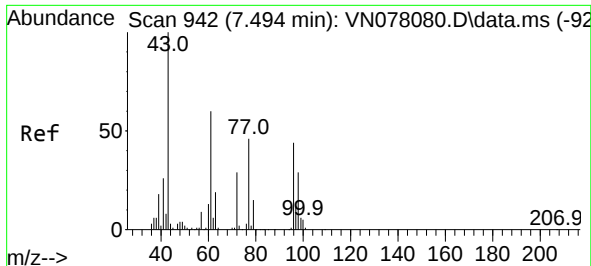
Tgt Ion: 96 Resp: 35784
Ion Ratio Lower Upper
96 100
61 139.3 90.1 135.1#
98 49.3 46.4 69.6



#24
1,1-Dichloroethane
Concen: 6.060 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.000 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Tgt Ion: 63 Resp: 59956
Ion Ratio Lower Upper
63 100
98 6.0 3.9 11.7
100 3.7 2.5 7.4

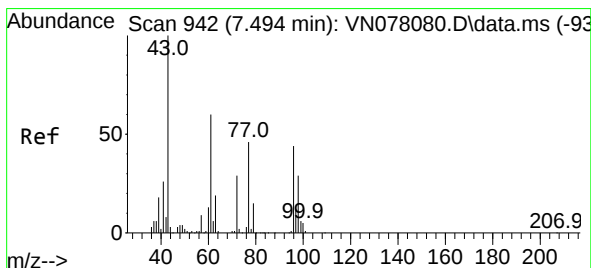
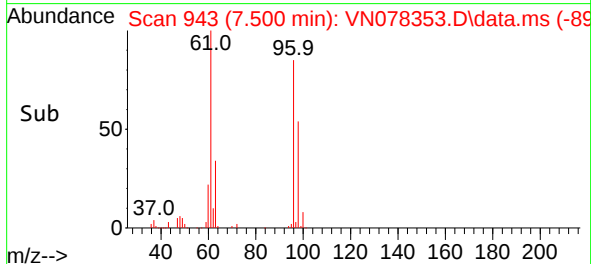
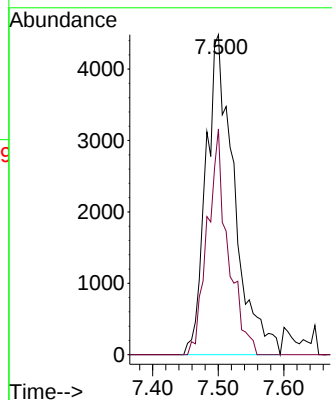
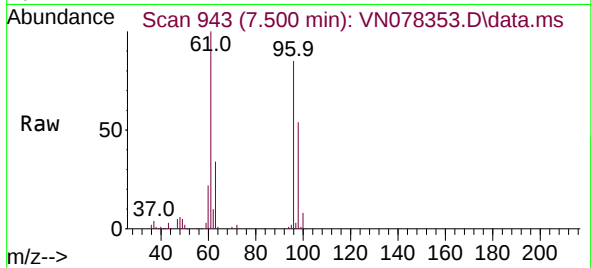




#25
2-Butanone
Concen: 4.743 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

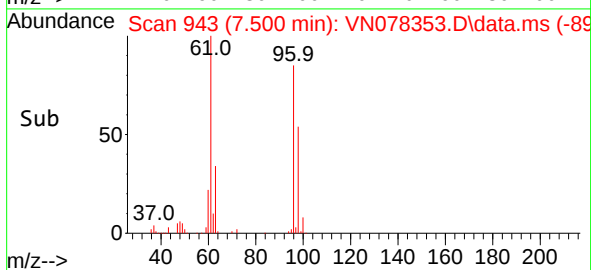
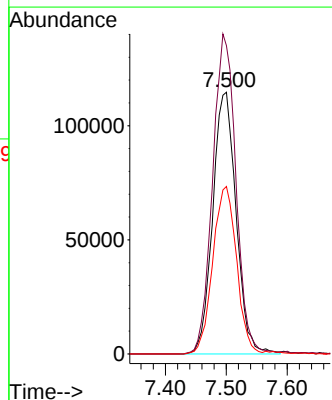
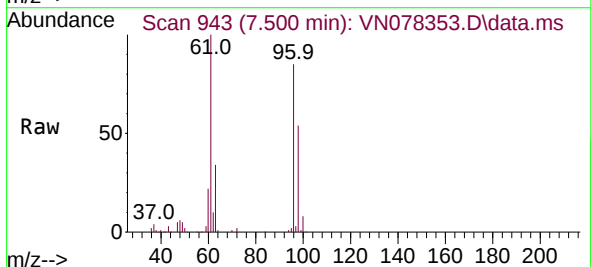
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-306-326-062123

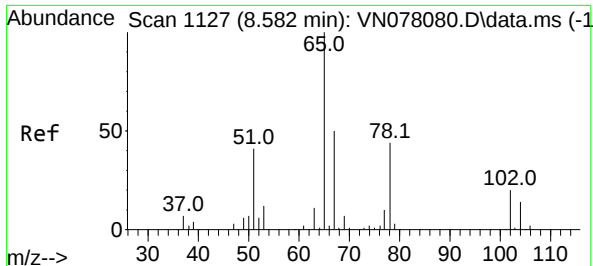
Tgt Ion: 43 Resp: 13389
Ion Ratio Lower Upper
43 100
72 70.5 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 45.623 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Tgt Ion: 96 Resp: 306558
Ion Ratio Lower Upper
96 100
61 121.6 0.0 255.2
98 64.9 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 50.526 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078353.D

Acq: 22 Jun 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

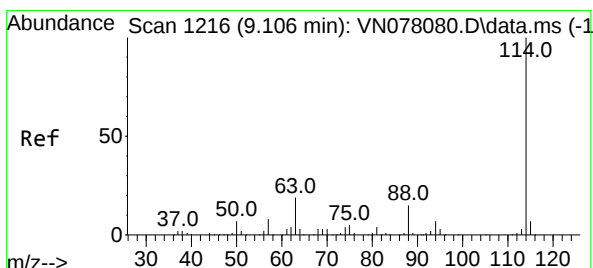
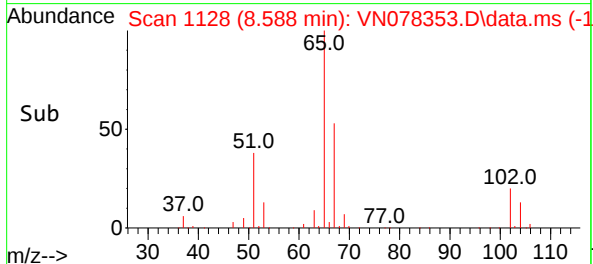
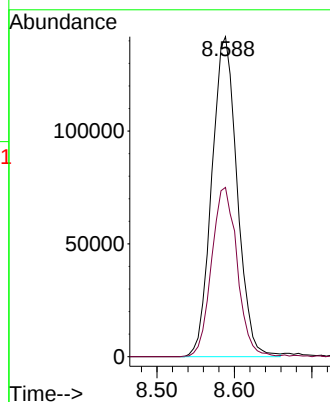
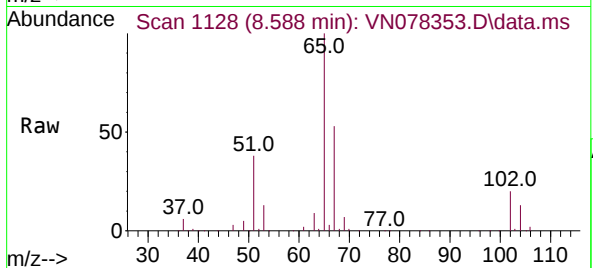
GWOW-BR-05-306-326-062123

Tgt Ion: 65 Resp: 322205

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078353.D

Acq: 22 Jun 2023 16:28

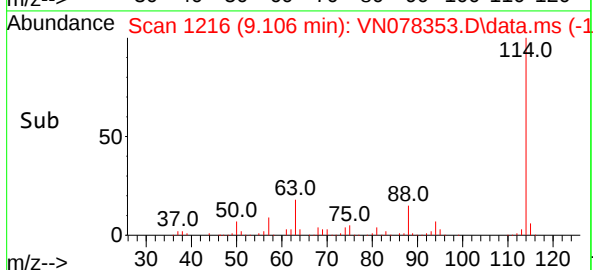
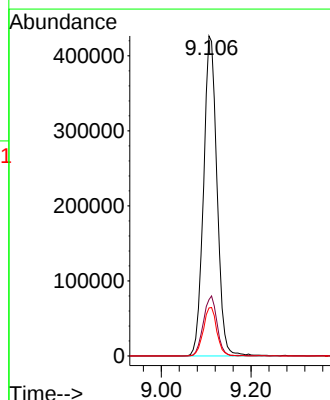
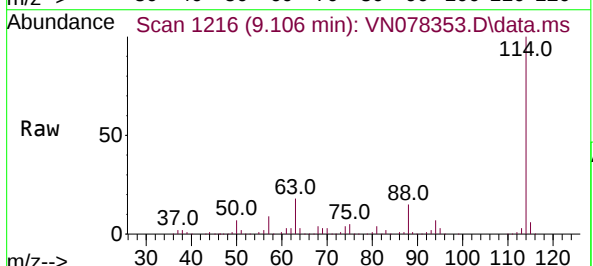
Tgt Ion: 114 Resp: 886409

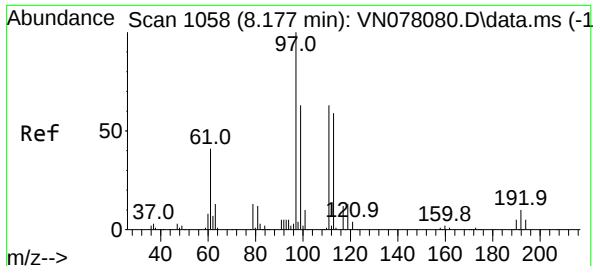
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.303 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VN078353.D

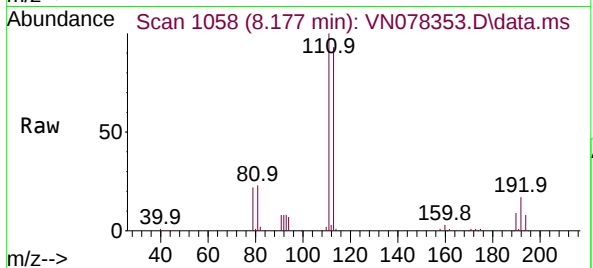
Acq: 22 Jun 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-306-326-062123



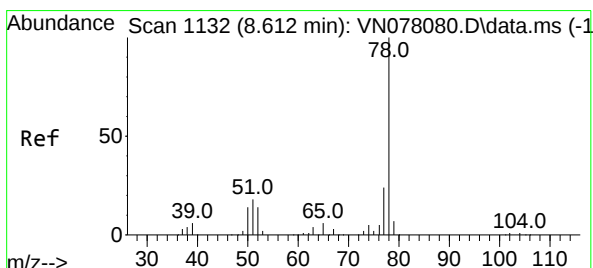
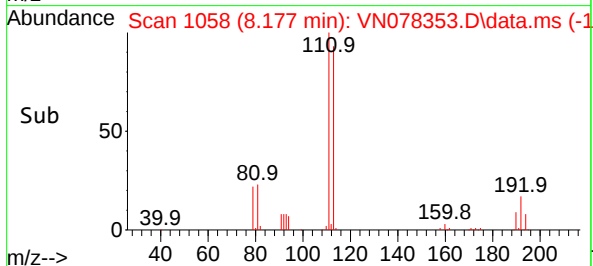
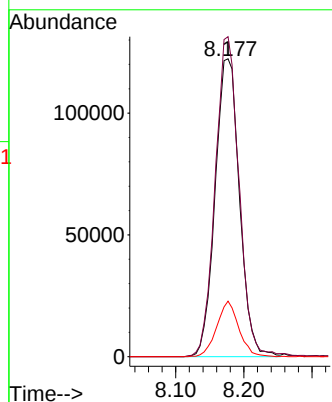
Tgt Ion:113 Resp: 304351

Ion Ratio Lower Upper

113 100

111 105.5 82.6 123.8

192 16.9 12.7 19.1



#40

Benzene

Concen: 0.267 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078353.D

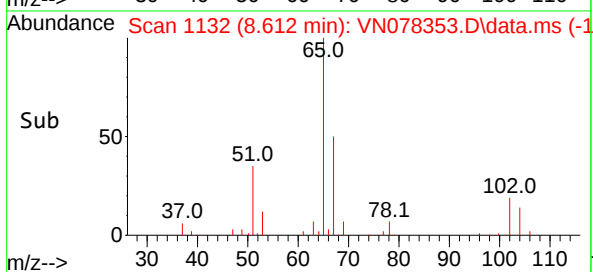
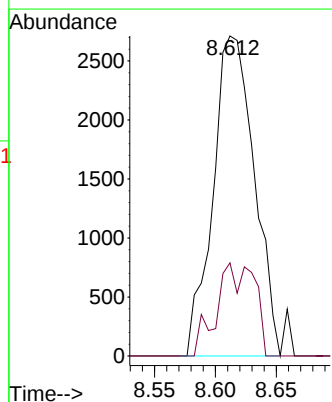
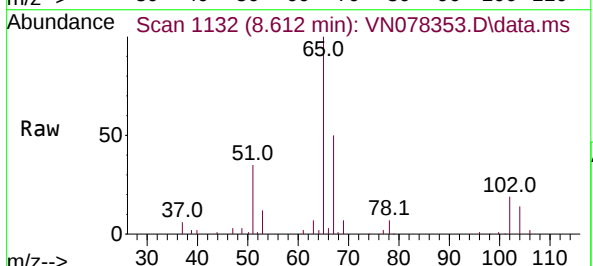
Acq: 22 Jun 2023 16:28

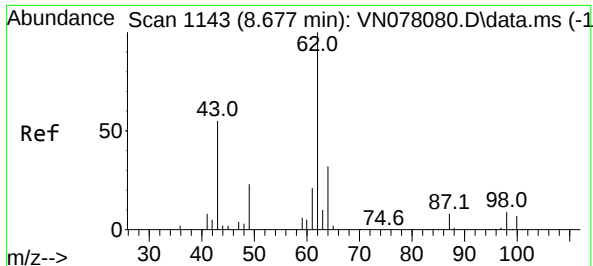
Tgt Ion: 78 Resp: 6410

Ion Ratio Lower Upper

78 100

77 29.1 19.0 28.6#





#42

1,2-Dichloroethane

Concen: 4.271 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VN078353.D

Acq: 22 Jun 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

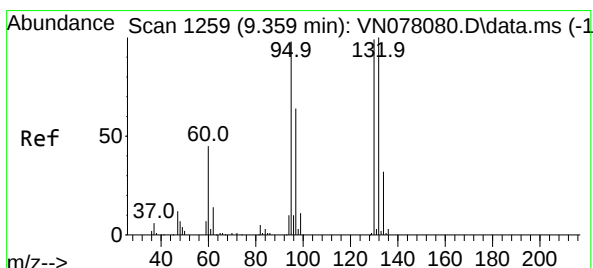
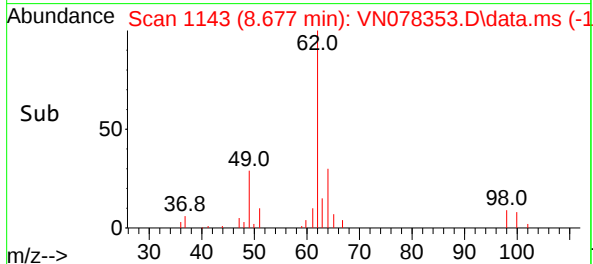
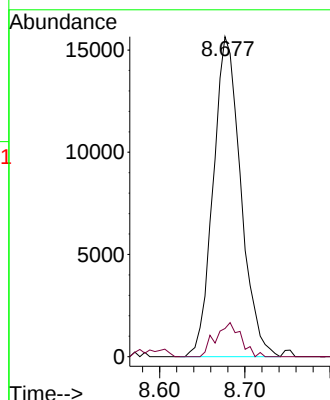
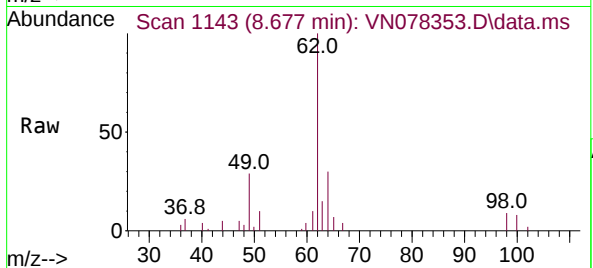
GWOW-BR-05-306-326-062123

Tgt Ion: 62 Resp: 35144

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.8



#44

Trichloroethene

Concen: 45.126 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078353.D

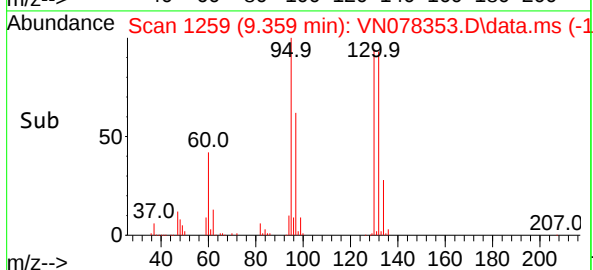
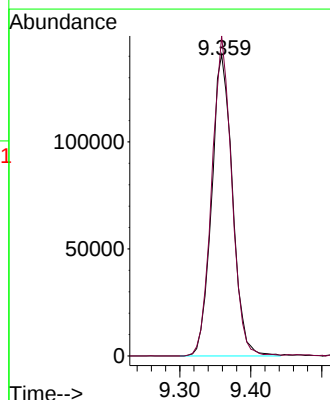
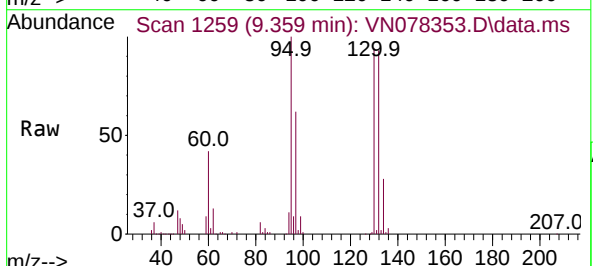
Acq: 22 Jun 2023 16:28

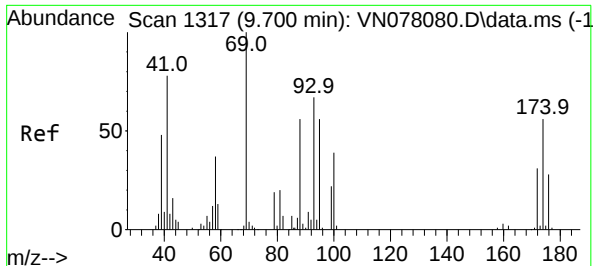
Tgt Ion:130 Resp: 286021

Ion Ratio Lower Upper

130 100

95 106.2 0.0 204.6





#49

1,4-Dioxane

Concen: 73.770 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078353.D

Acq: 22 Jun 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-306-326-062123

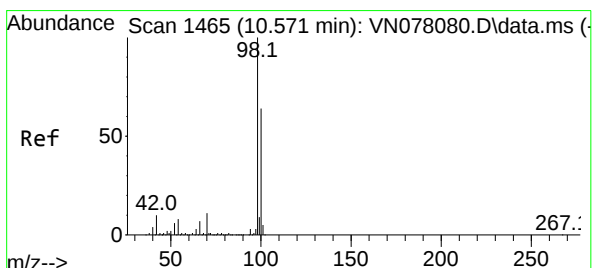
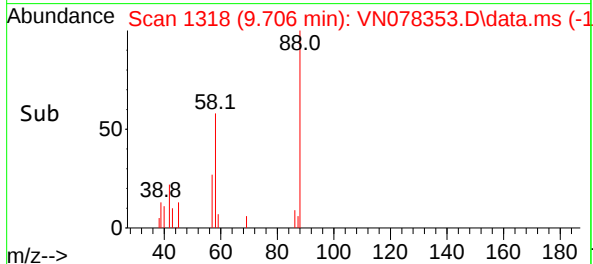
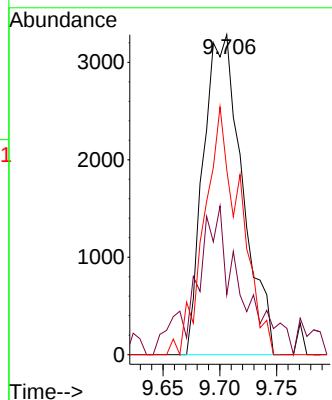
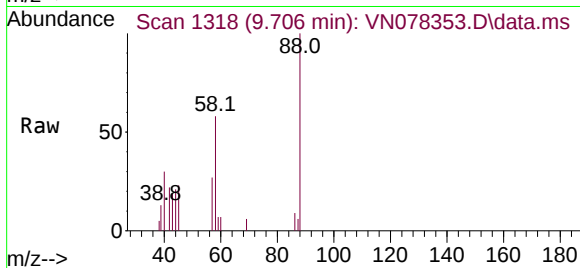
Tgt Ion: 88 Resp: 7815

Ion Ratio Lower Upper

88 100

43 54.2 17.0 25.6#

58 71.9 47.0 70.4#



#50

Toluene-d8

Concen: 47.263 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078353.D

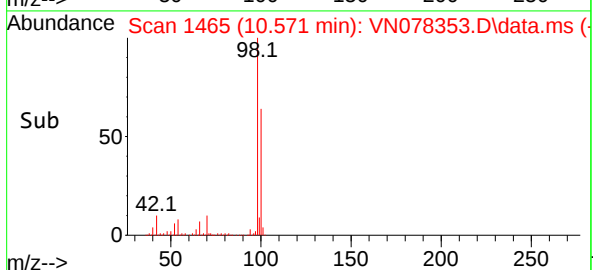
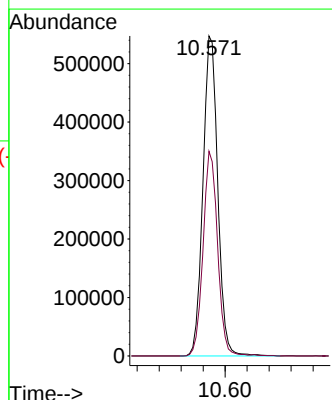
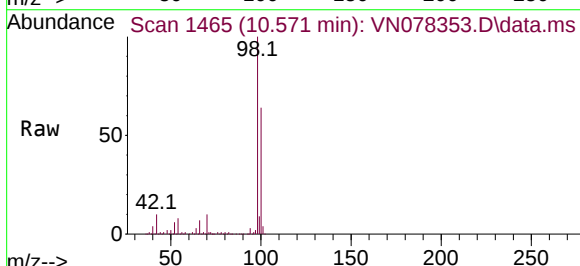
Acq: 22 Jun 2023 16:28

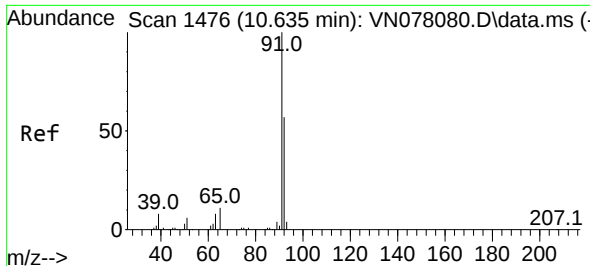
Tgt Ion: 98 Resp: 1021187

Ion Ratio Lower Upper

98 100

100 62.9 52.0 78.0

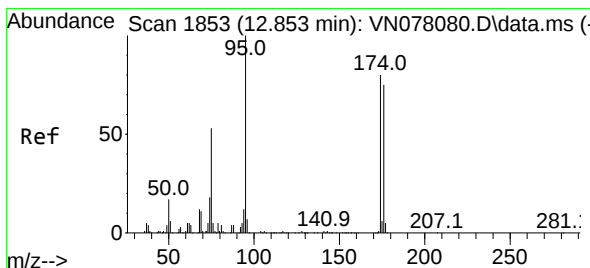
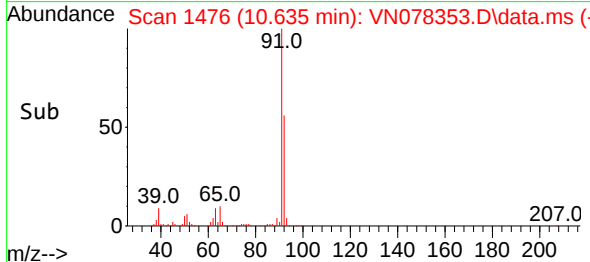
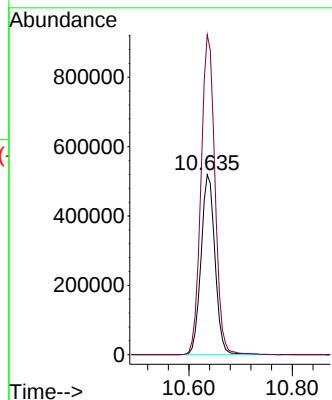
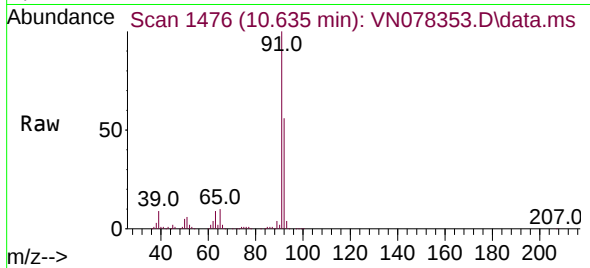




#52
Toluene
Concen: 64.194 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

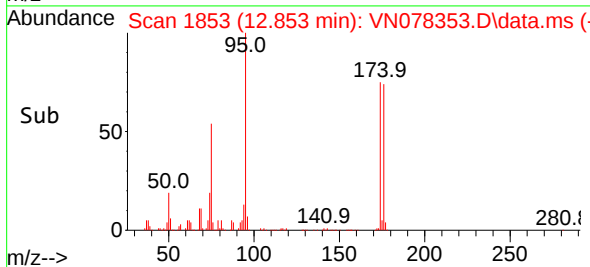
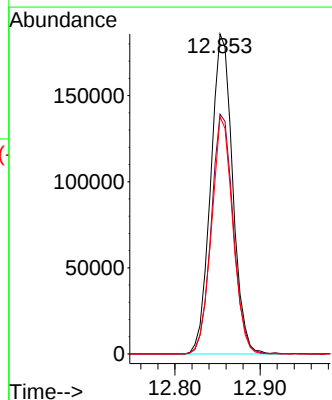
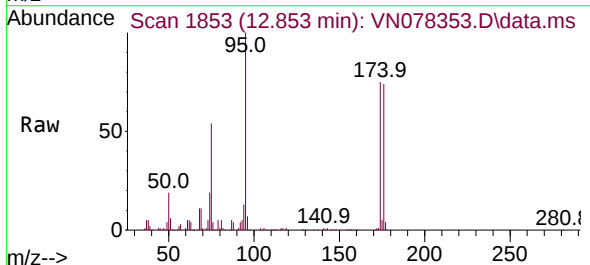
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-306-326-062123

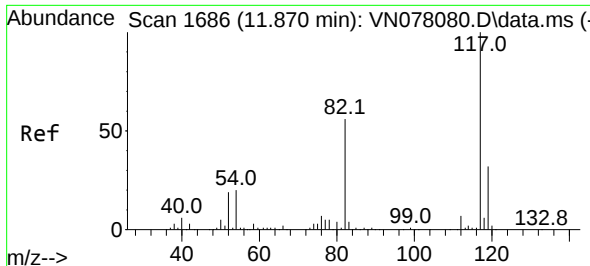
Tgt Ion: 92 Resp: 972752
Ion Ratio Lower Upper
92 100
91 178.3 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 49.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Tgt Ion: 95 Resp: 331213
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 72.1 0.0 135.8

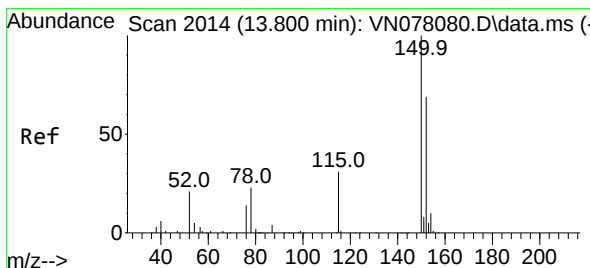
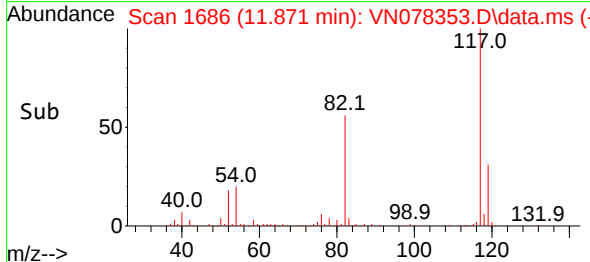
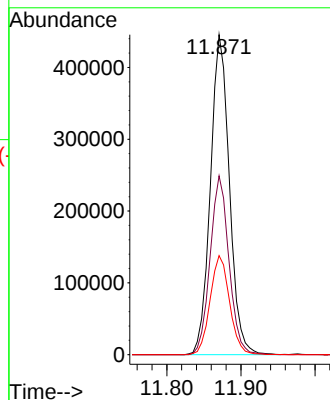
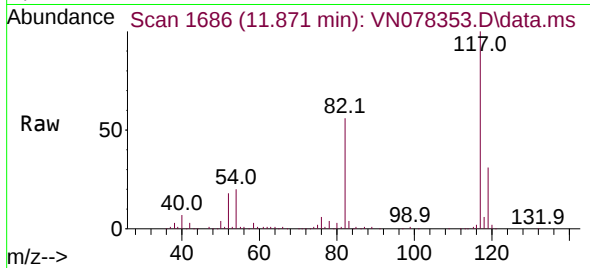




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-306-326-062123

Tgt Ion:117 Resp: 791906
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 30.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078353.D
Acq: 22 Jun 2023 16:28

Tgt Ion:152 Resp: 249100
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 154.4 0.0 355.8

