

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078200.D
 Acq On : 14 Jun 2023 12:56
 Operator : JC\MD
 Sample : 03225-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323

Quant Time: Jun 15 02:42:34 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)

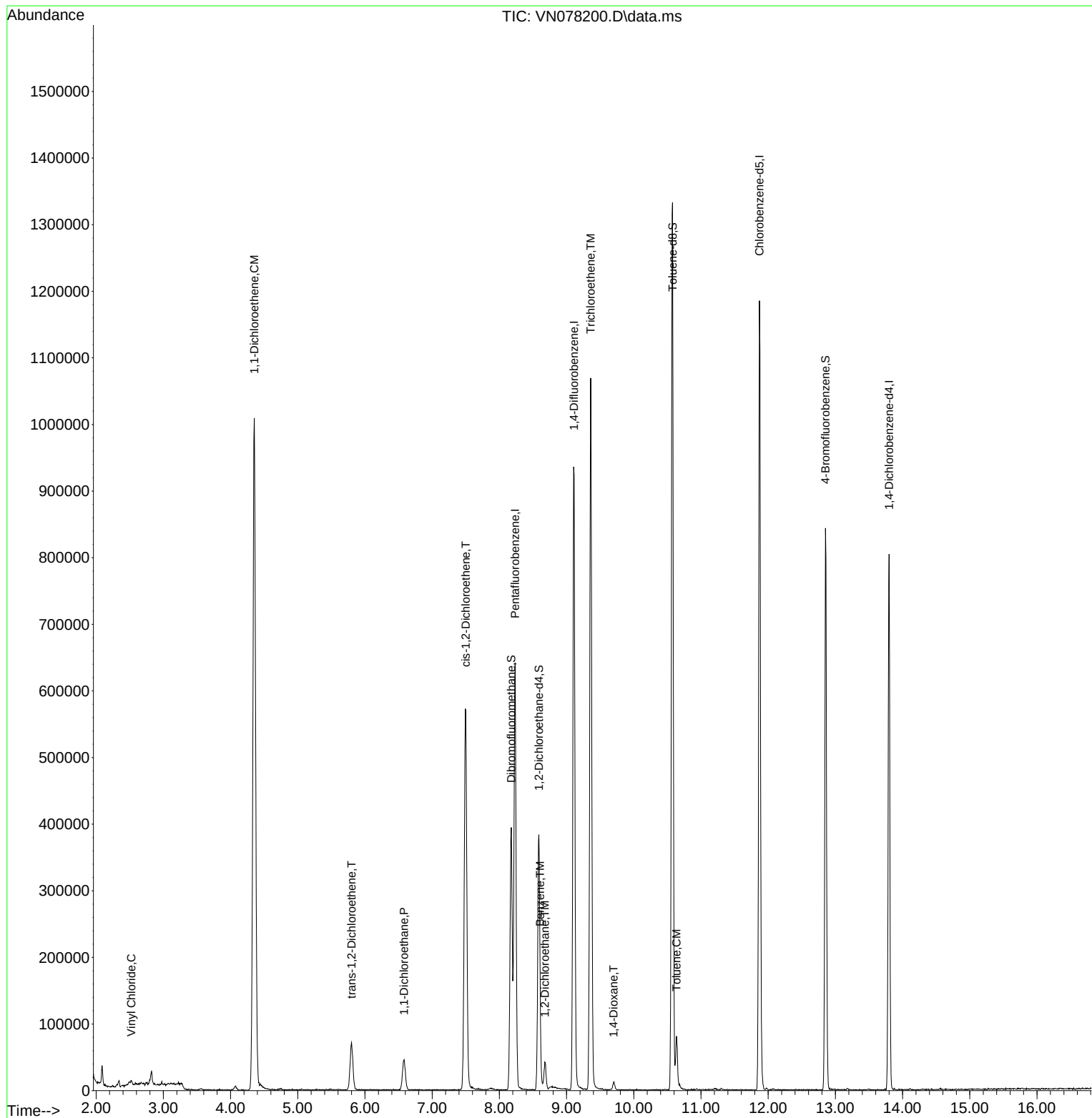
Internal Standards						
1) Pentafluorobenzene	8.235	168	448457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	832008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	721742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	217752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	320342	53.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.160%	
35) Dibromofluoromethane	8.177	113	280457	53.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.620%	
50) Toluene-d8	10.576	98	978986	48.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	12.853	95	298610	47.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.720%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.524	62	4826	0.727	ug/l	98
12) 1,1-Dichloroethene	4.353	96	601313	122.788	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	44386	8.403	ug/l	91
24) 1,1-Dichloroethane	6.583	63	64892	6.996	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	357532	56.748	ug/l	96
40) Benzene	8.606	78	5194	0.231	ug/l #	89
42) 1,2-Dichloroethane	8.677	62	36777	4.761	ug/l	99
44) Trichloroethene	9.359	130	377027	63.374	ug/l	100
49) 1,4-Dioxane	9.700	88	10308	103.665	ug/l #	89
52) Toluene	10.635	92	31602	2.222	ug/l	96

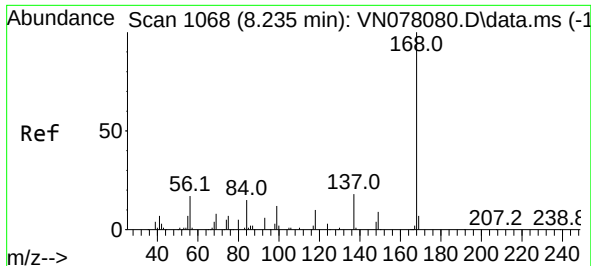
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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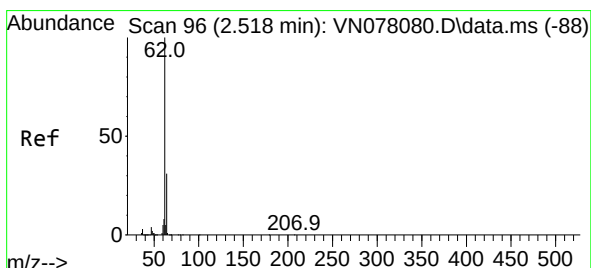
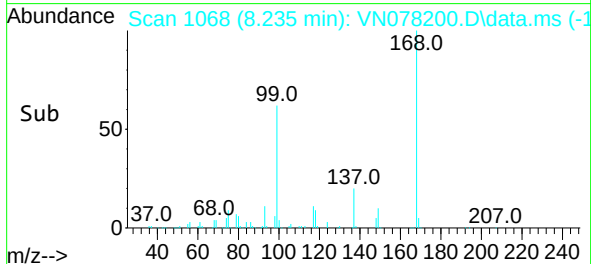
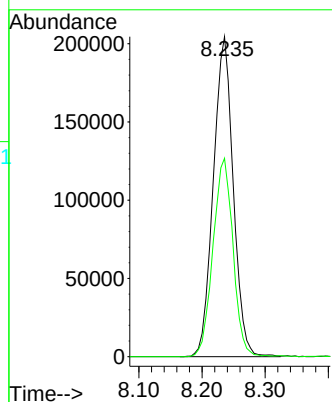
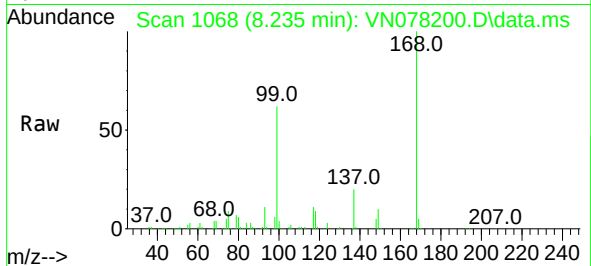




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

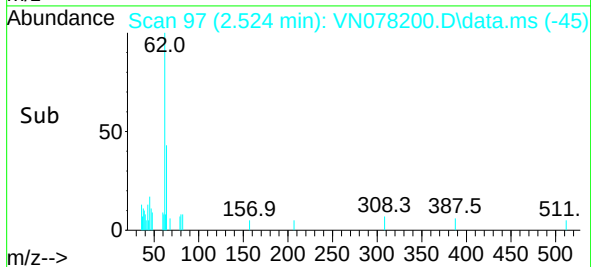
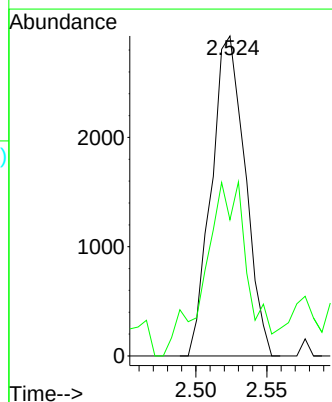
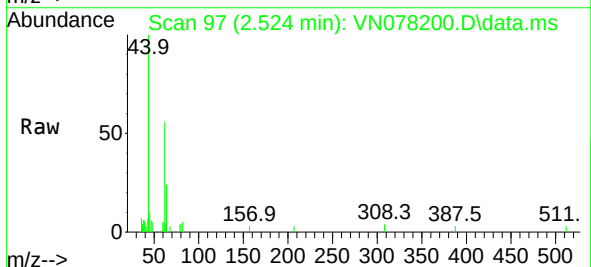
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323

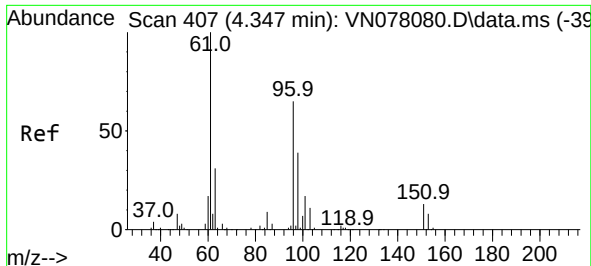
Tgt Ion:168 Resp: 448457
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#4
Vinyl Chloride
Concen: 0.727 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

Tgt Ion: 62 Resp: 4826
Ion Ratio Lower Upper
62 100
64 33.9 26.2 39.2

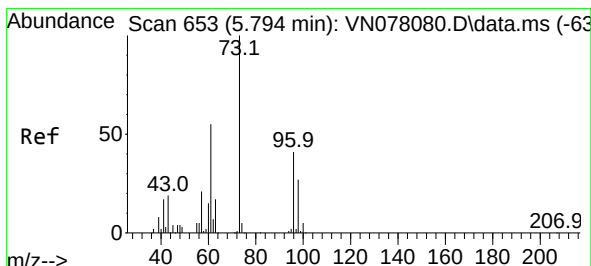
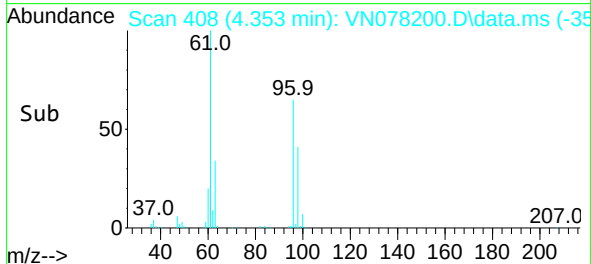
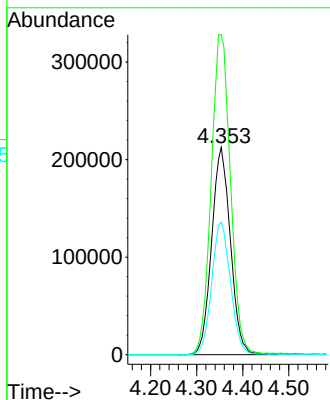
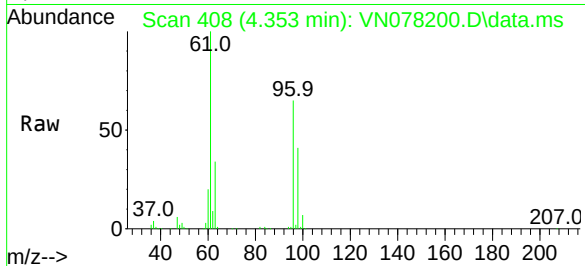




#12
 1,1-Dichloroethene
 Concen: 122.788 ug/l
 RT: 4.353 min Scan# 407
 Delta R.T. 0.006 min
 Lab File: VN078200.D
 Acq: 14 Jun 2023 12:56

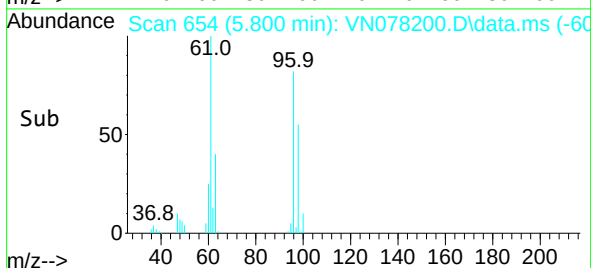
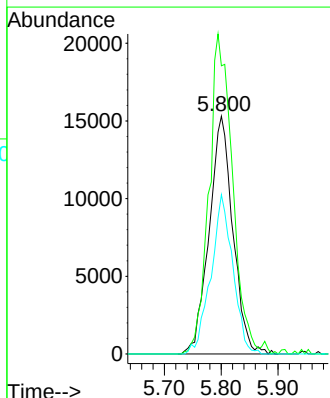
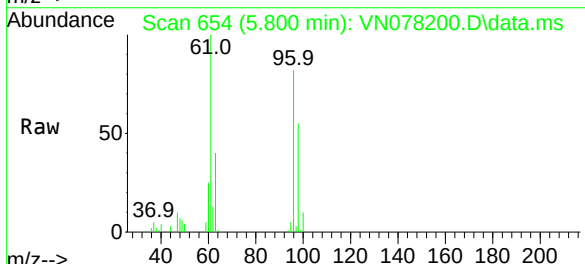
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323

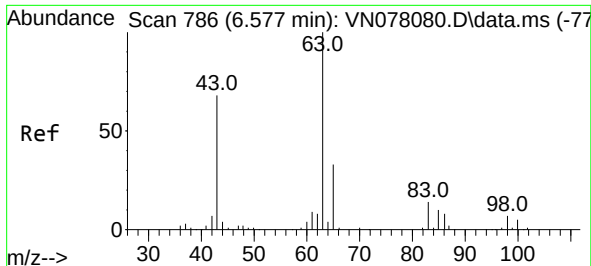
Tgt Ion: 96 Resp: 601313
 Ion Ratio Lower Upper
 96 100
 61 154.3 112.7 169.1
 98 63.9 51.2 76.8



#21
 trans-1,2-Dichloroethene
 Concen: 8.403 ug/l
 RT: 5.800 min Scan# 654
 Delta R.T. 0.006 min
 Lab File: VN078200.D
 Acq: 14 Jun 2023 12:56

Tgt Ion: 96 Resp: 44386
 Ion Ratio Lower Upper
 96 100
 61 121.2 90.1 135.1
 98 67.0 46.4 69.6

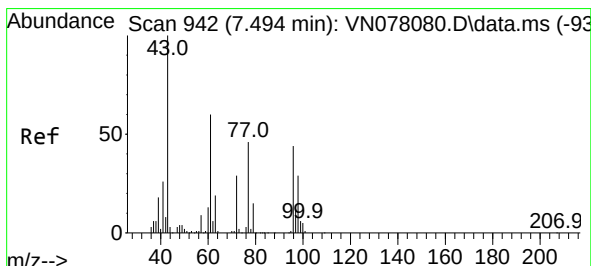
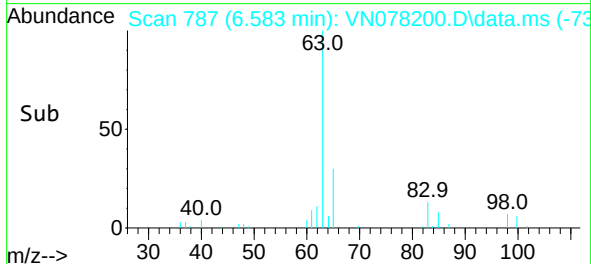
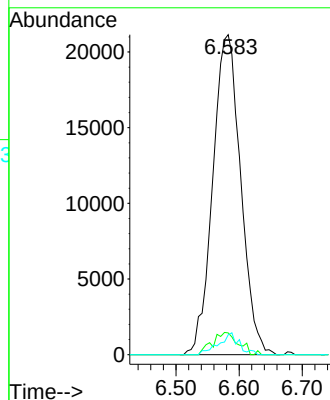
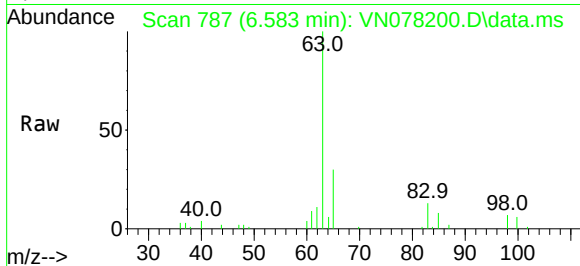




#24
1,1-Dichloroethane
Concen: 6.996 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

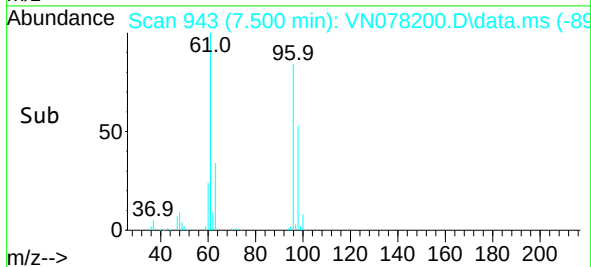
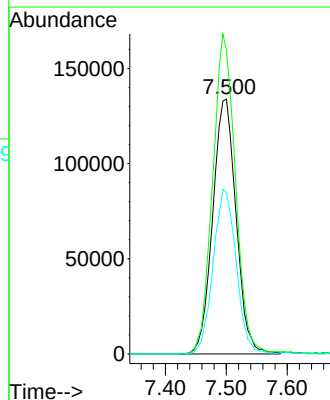
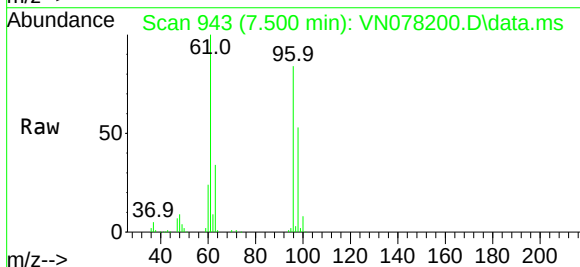
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323

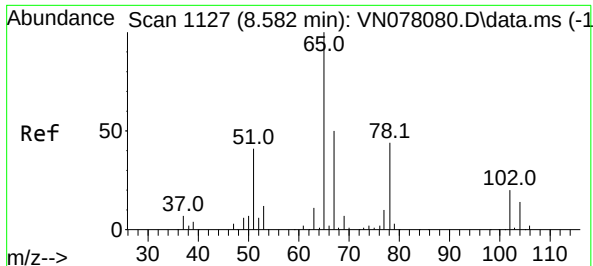
Tgt Ion: 63 Resp: 64892
Ion Ratio Lower Upper
63 100
98 6.8 3.9 11.7
100 6.2 2.5 7.4



#27
cis-1,2-Dichloroethene
Concen: 56.748 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

Tgt Ion: 96 Resp: 357532
Ion Ratio Lower Upper
96 100
61 122.0 0.0 255.2
98 63.6 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 53.575 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078200.D

Acq: 14 Jun 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

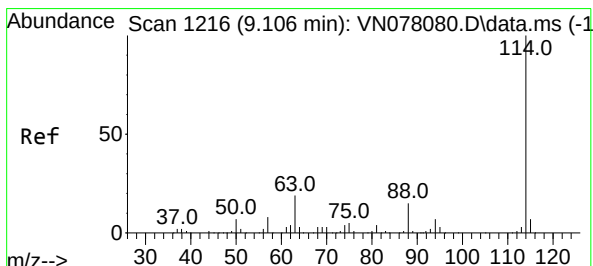
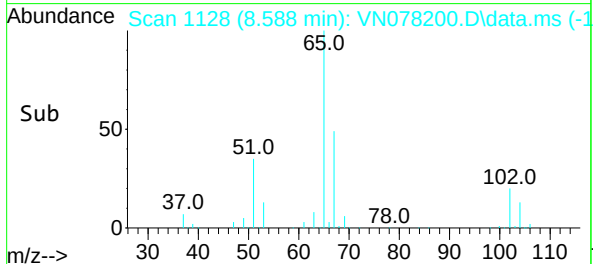
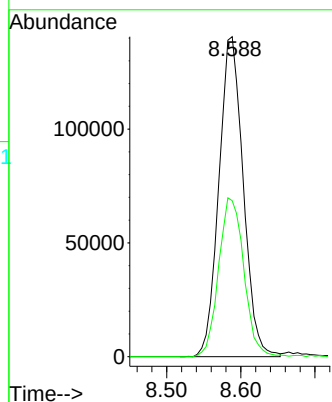
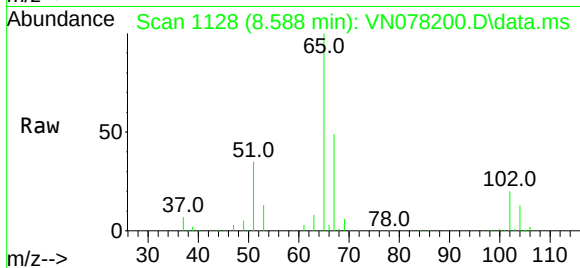
GWOW-BR-05-103-123-061323

Tgt Ion: 65 Resp: 320342

Ion Ratio Lower Upper

65 100

67 51.4 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: VN078200.D

Acq: 14 Jun 2023 12:56

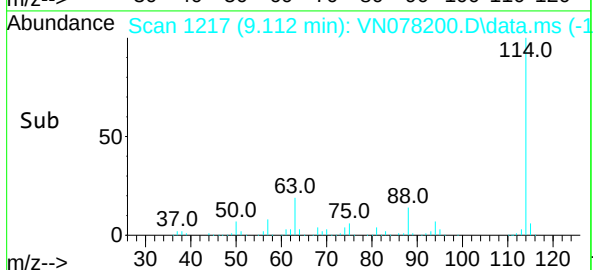
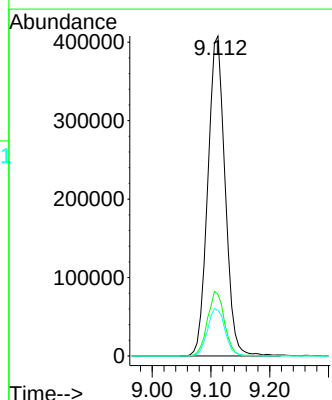
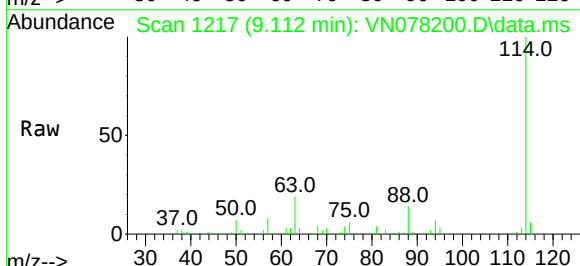
Tgt Ion: 114 Resp: 832008

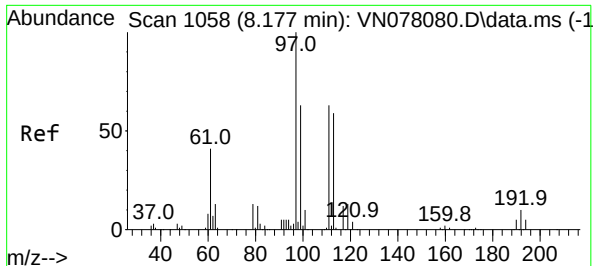
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

88 14.2 0.0 30.6

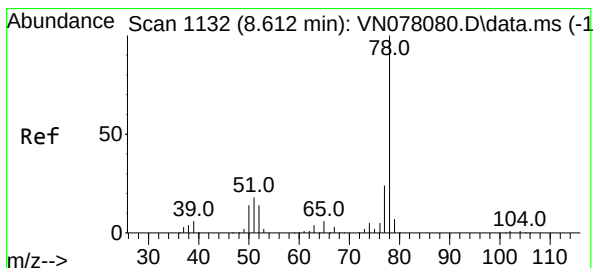
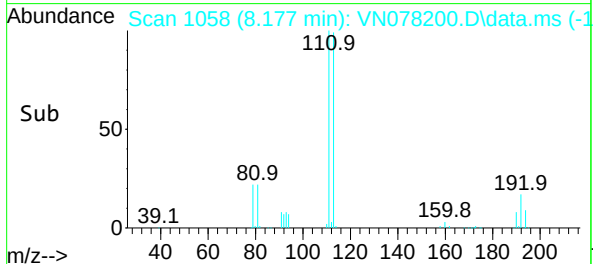
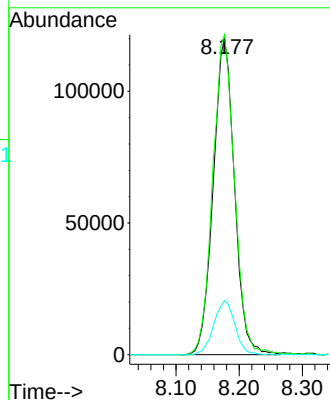
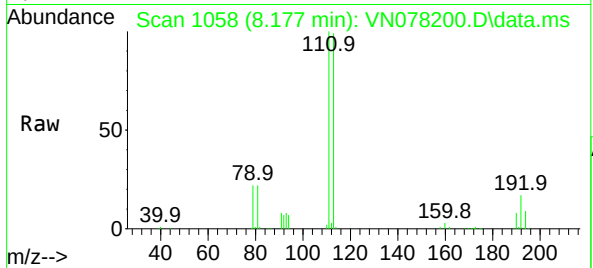




#35
Dibromofluoromethane
Concen: 53.312 ug/l
RT: 8.177 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

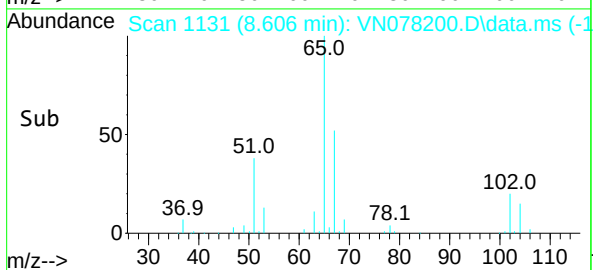
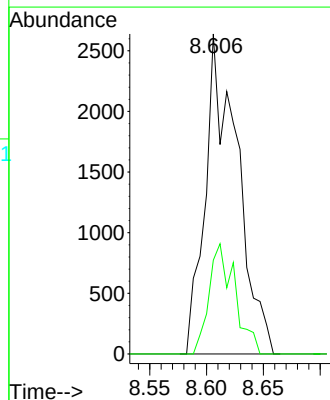
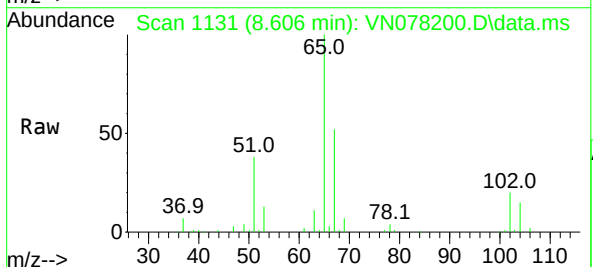
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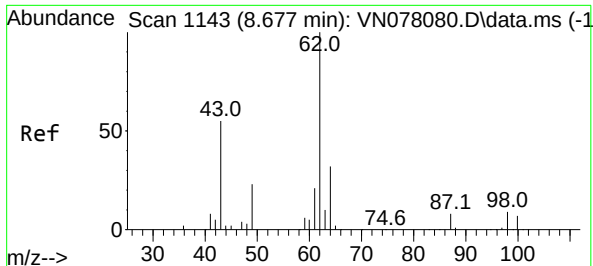
Tgt Ion:113 Resp: 280457
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.0 12.7 19.1



#40
Benzene
Concen: 0.231 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

Tgt Ion: 78 Resp: 5194
Ion Ratio Lower Upper
78 100
77 29.3 19.0 28.6#





#42

1,2-Dichloroethane

Concen: 4.761 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VN078200.D

Acq: 14 Jun 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

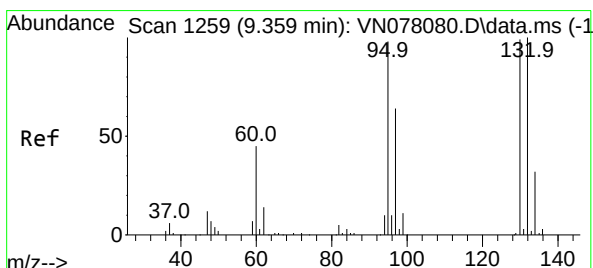
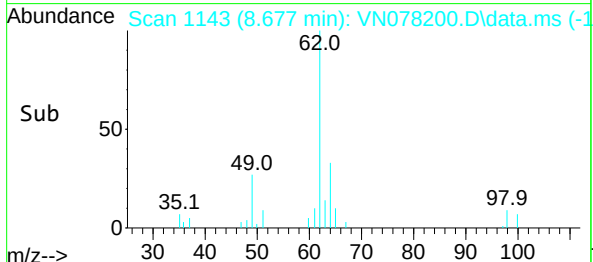
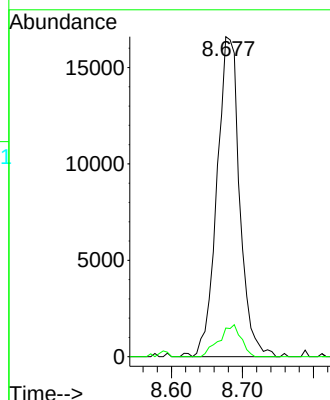
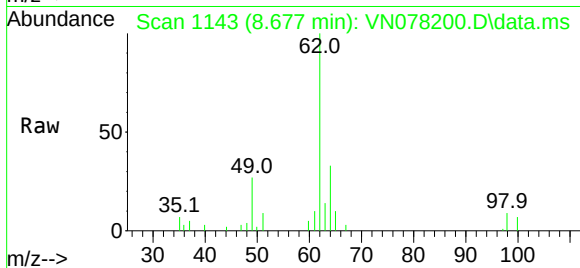
GWOW-BR-05-103-123-061323

Tgt Ion: 62 Resp: 36777

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.8



#44

Trichloroethene

Concen: 63.374 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078200.D

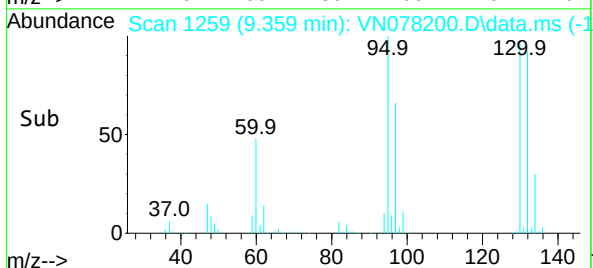
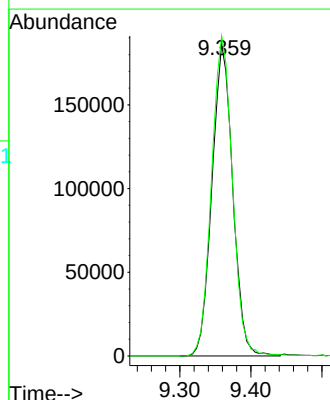
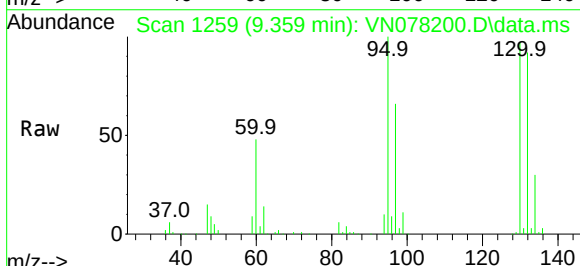
Acq: 14 Jun 2023 12:56

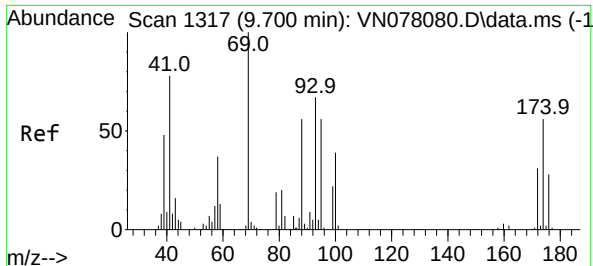
Tgt Ion:130 Resp: 377027

Ion Ratio Lower Upper

130 100

95 102.7 0.0 204.6





#49

1,4-Dioxane

Concen: 103.665 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078200.D

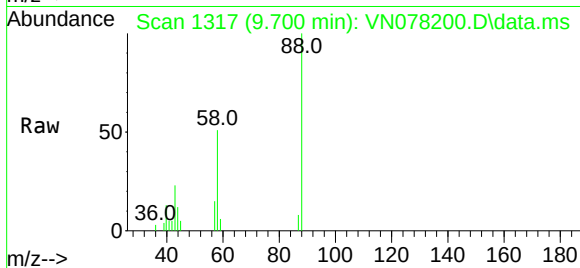
Acq: 14 Jun 2023 12:56

Instrument :

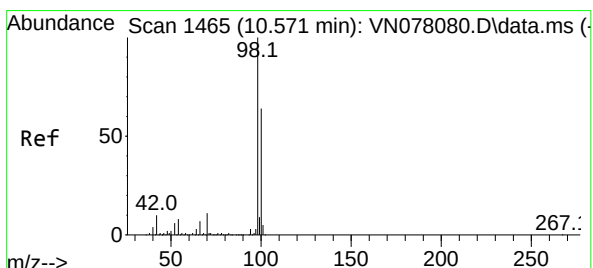
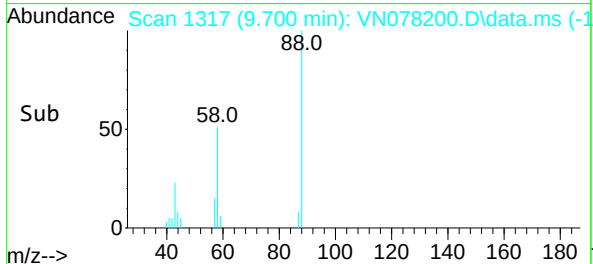
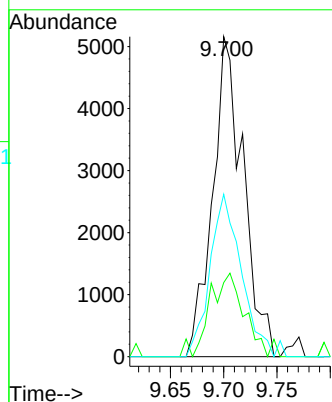
MSVOA_N

ClientSampleId :

GWOW-BR-05-103-123-061323



Tgt Ion:	88	Resp:	10308
Ion	Ratio	Lower	Upper
88	100		
43	30.3	17.0	25.6#
58	52.6	47.0	70.4



#50

Toluene-d8

Concen: 48.272 ug/l

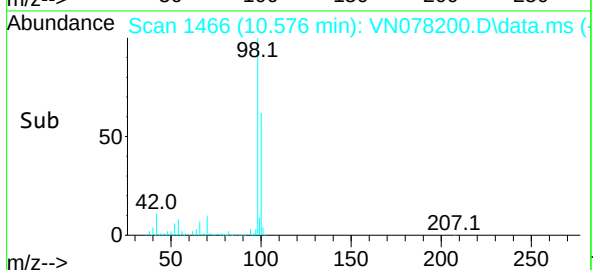
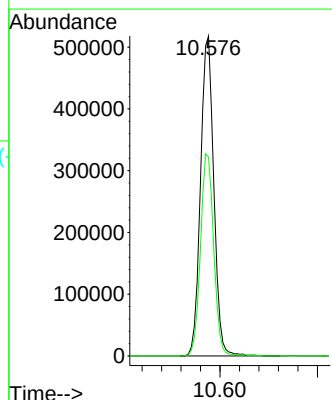
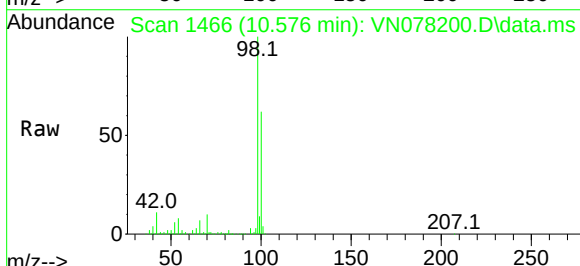
RT: 10.576 min Scan# 1466

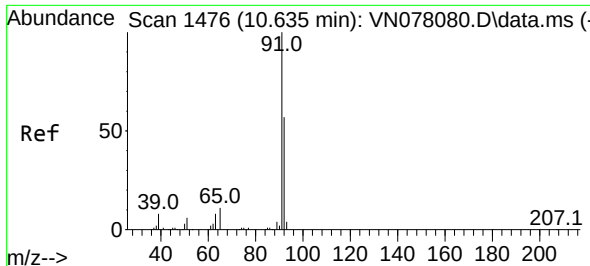
Delta R.T. 0.006 min

Lab File: VN078200.D

Acq: 14 Jun 2023 12:56

Tgt Ion:	98	Resp:	978986
Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.0	78.0

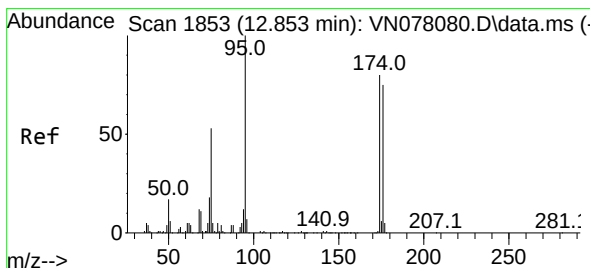
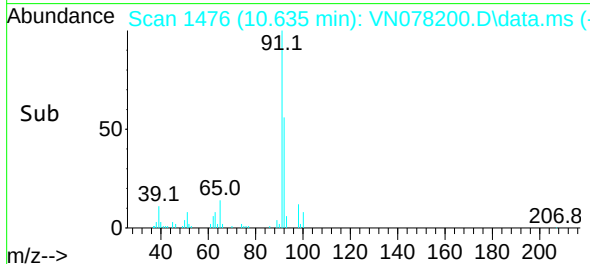
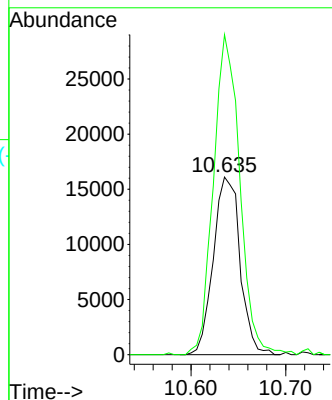
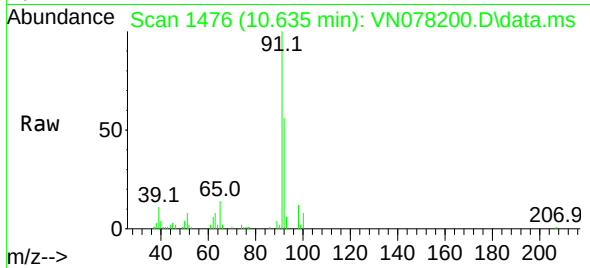




#52
Toluene
Concen: 2.222 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

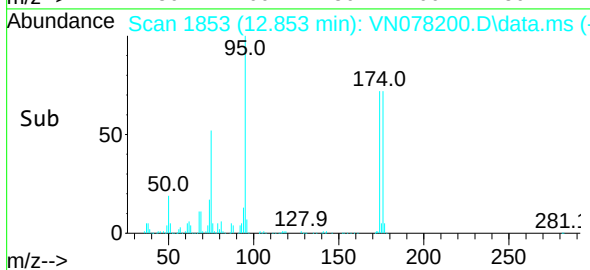
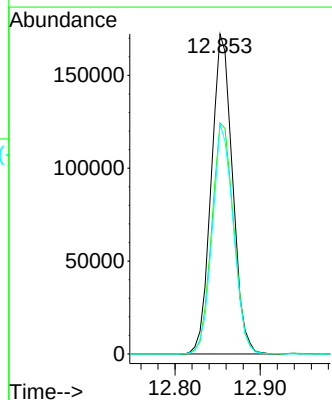
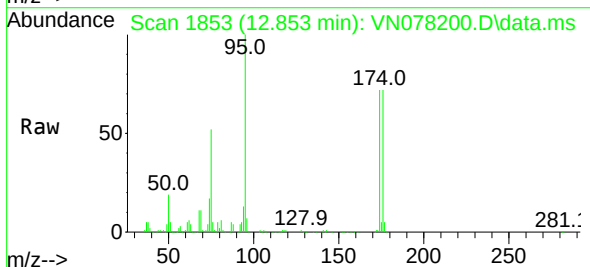
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-103-123-061323

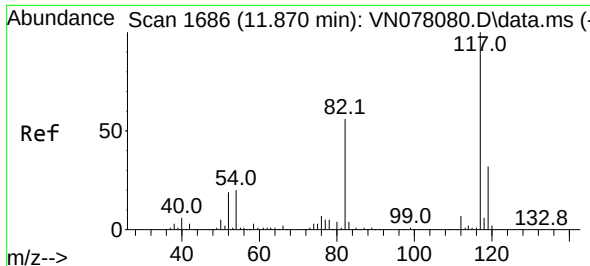
Tgt Ion: 92 Resp: 31602
Ion Ratio Lower Upper
92 100
91 177.8 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 47.363 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

Tgt Ion: 95 Resp: 298610
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 71.3 0.0 135.8

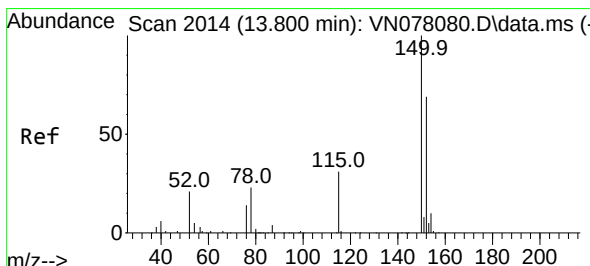
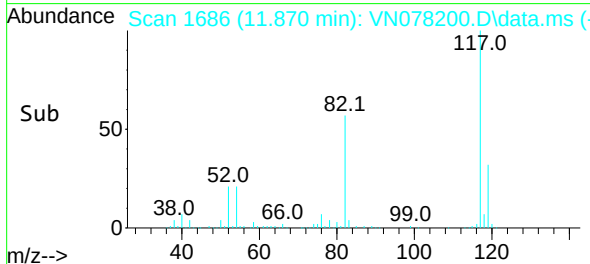
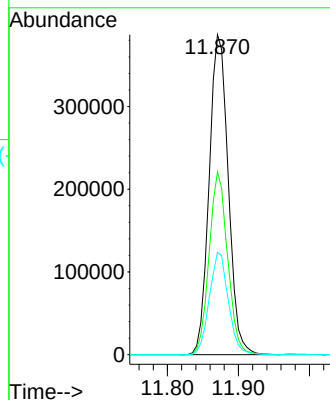
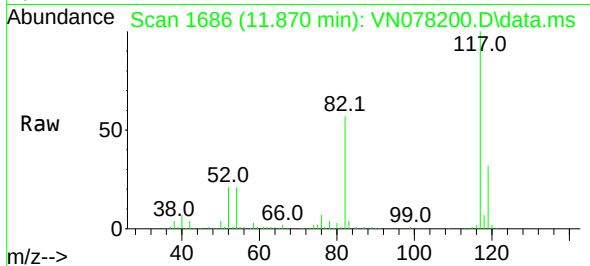




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078200.D
Acq: 14 Jun 2023 12:56

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323

Tgt Ion:117 Resp: 721742
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.0 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: VN078200.D
Acq: 14 Jun 2023 12:56

Tgt Ion:152 Resp: 217752
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 154.5 0.0 355.8

