

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078361.D
 Acq On : 22 Jun 2023 19:40
 Operator : JC\MD
 Sample : 03378-03DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-345-365-062123DL

Quant Time: Jun 23 08:04:28 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)

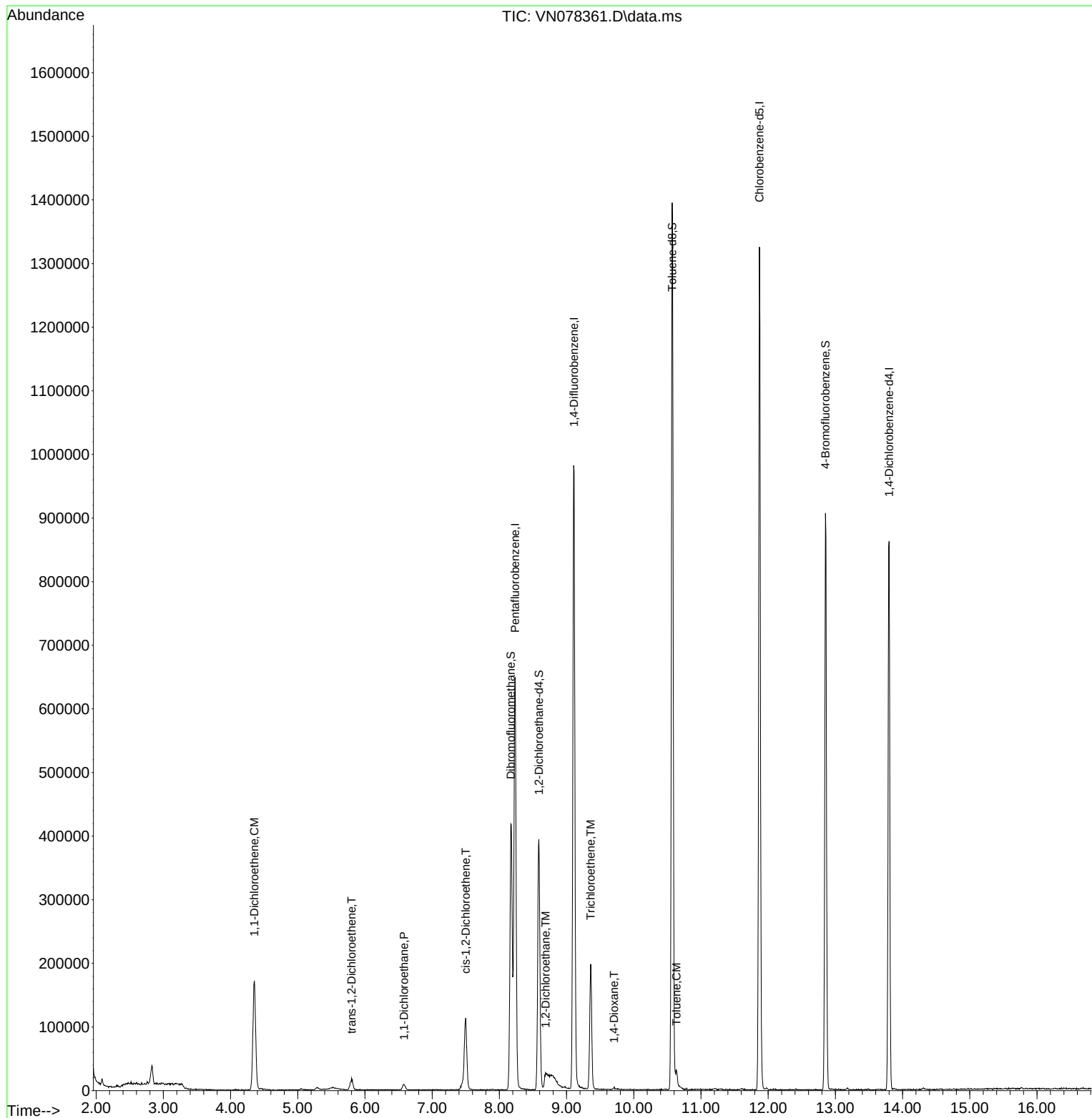
Internal Standards						
1) Pentafluorobenzene	8.235	168	472079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	879661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	781726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	325900	51.777	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.560%	
35) Dibromofluoromethane	8.171	113	307024	55.200	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.400%	
50) Toluene-d8	10.571	98	1020730	47.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.200%	
62) 4-Bromofluorobenzene	12.853	95	330470	49.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.160%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.353	96	106178	20.597	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	10307	1.854	ug/l #	68
24) 1,1-Dichloroethane	6.583	63	13320	1.364	ug/l #	93
27) cis-1,2-Dichloroethene	7.500	96	69530	10.484	ug/l	94
42) 1,2-Dichloroethane	8.688	62	8132	0.996	ug/l	76
44) Trichloroethene	9.359	130	72054	11.455	ug/l	98
49) 1,4-Dioxane	9.706	88	2121	20.175	ug/l #	65
52) Toluene	10.635	92	10983	0.730	ug/l	93

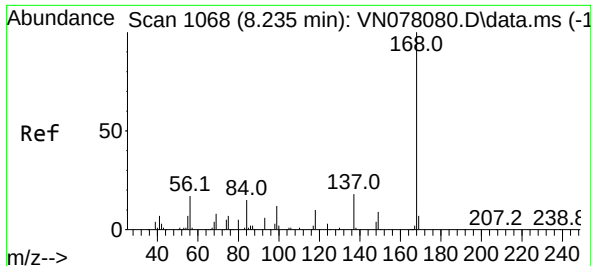
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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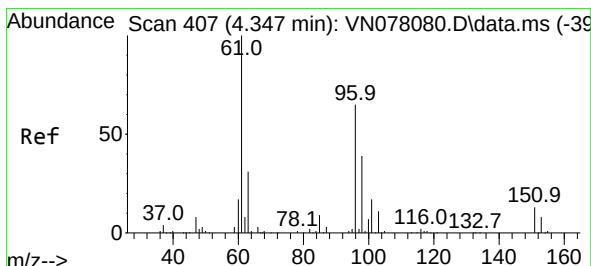
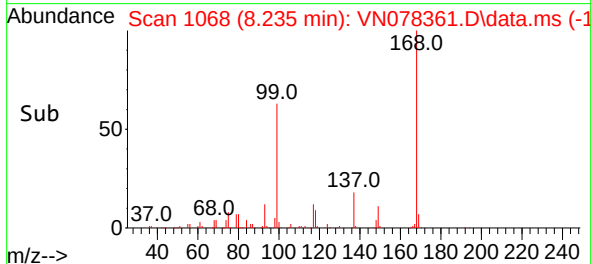
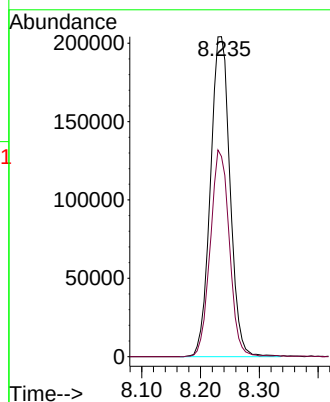
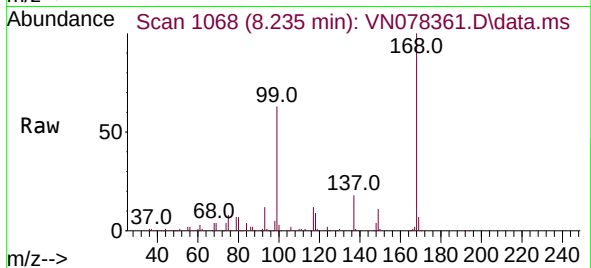




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

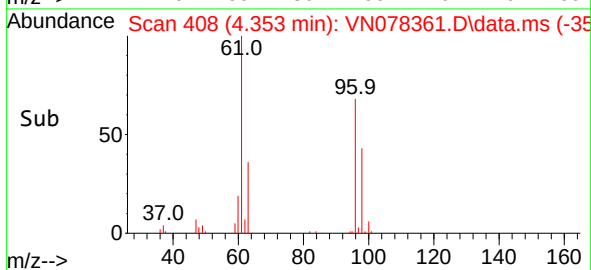
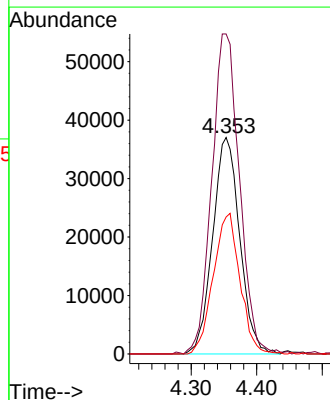
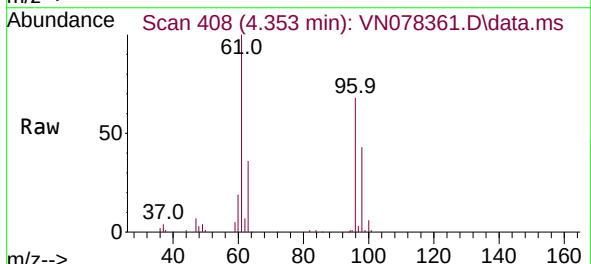
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

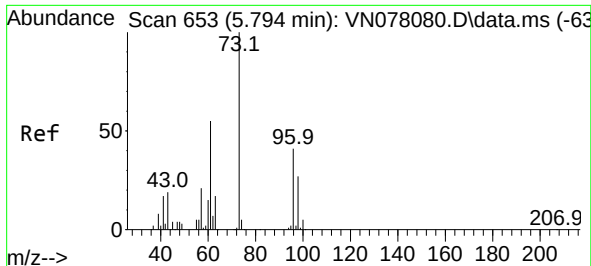
Tgt Ion:168 Resp: 472079
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#12
1,1-Dichloroethene
Concen: 20.597 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 96 Resp: 106178
Ion Ratio Lower Upper
96 100
61 147.3 112.7 169.1
98 63.2 51.2 76.8

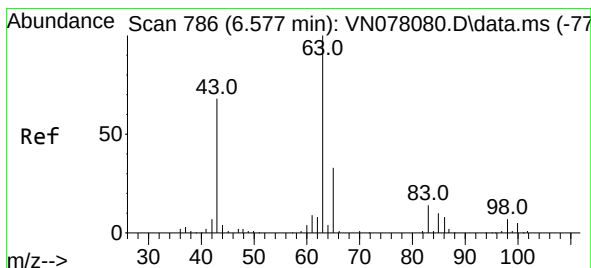
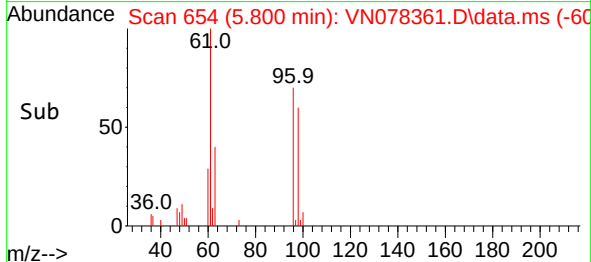
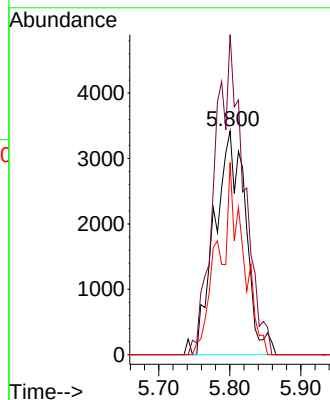
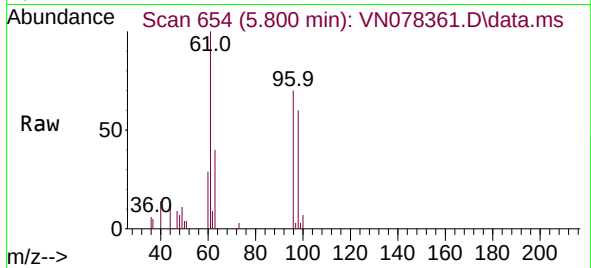




#21
trans-1,2-Dichloroethene
Concen: 1.854 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

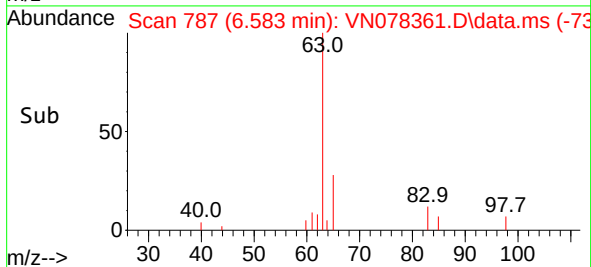
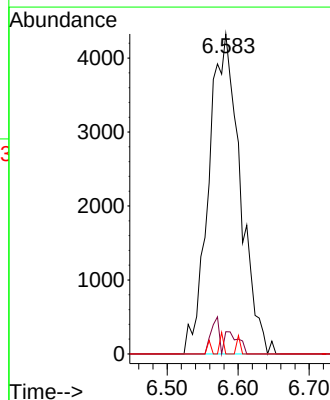
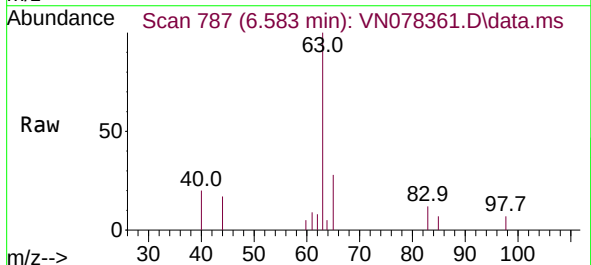
Instrument :
MSVOA_N
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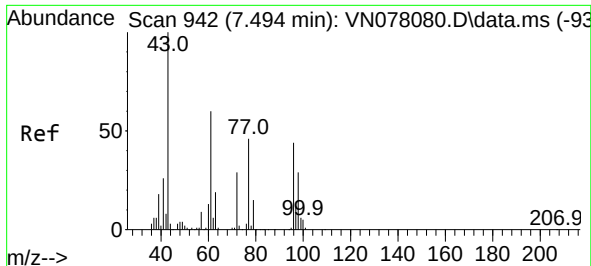
Tgt Ion: 96 Resp: 10307
Ion Ratio Lower Upper
96 100
61 143.1 90.1 135.1#
98 85.9 46.4 69.6#



#24
1,1-Dichloroethane
Concen: 1.364 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 63 Resp: 13320
Ion Ratio Lower Upper
63 100
98 6.9 3.9 11.7
100 0.0 2.5 7.4#

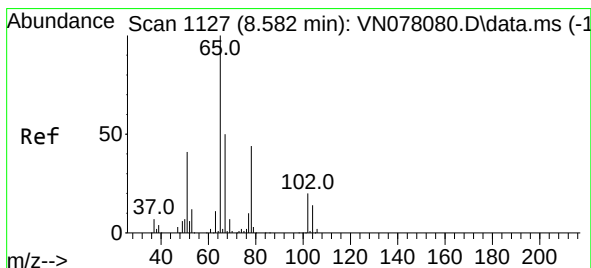
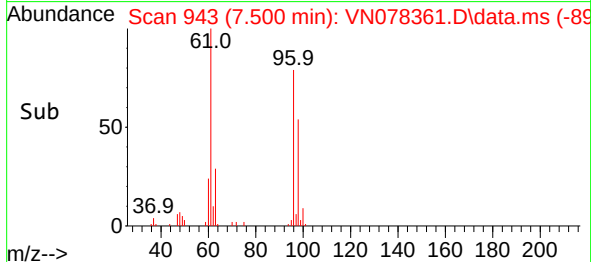
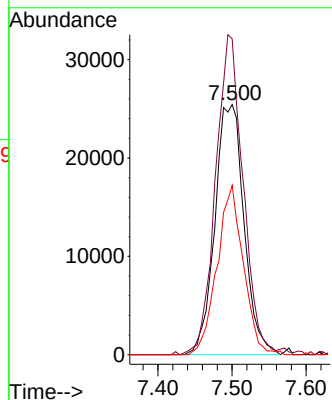
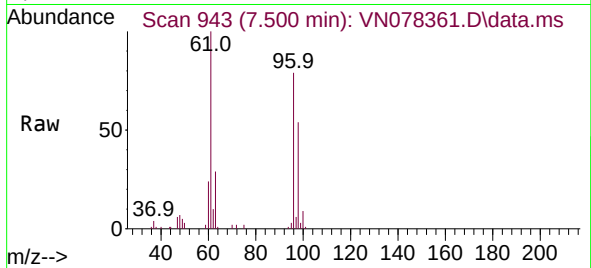




#27
 cis-1,2-Dichloroethene
 Concen: 10.484 ug/l
 RT: 7.500 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VN078361.D
 Acq: 22 Jun 2023 19:40

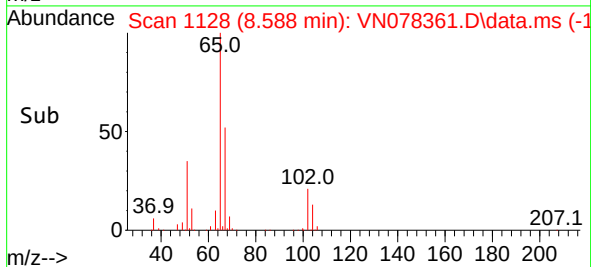
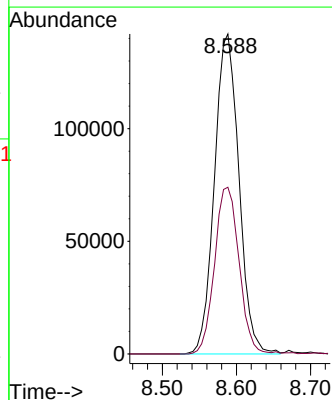
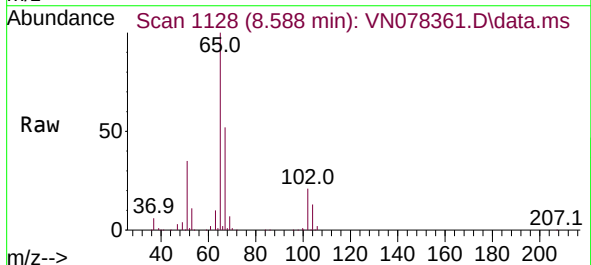
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-345-365-062123DL

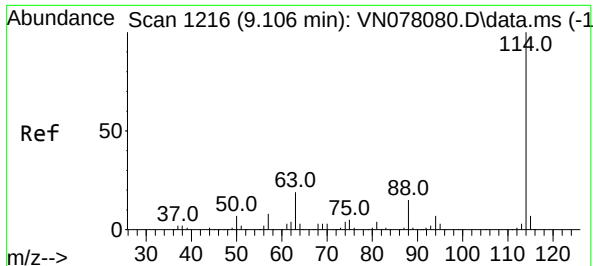
Tgt Ion: 96 Resp: 69530
 Ion Ratio Lower Upper
 96 100
 61 120.2 0.0 255.2
 98 61.2 0.0 128.8



#33
 1,2-Dichloroethane-d4
 Concen: 51.777 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VN078361.D
 Acq: 22 Jun 2023 19:40

Tgt Ion: 65 Resp: 325900
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078361.D

Acq: 22 Jun 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-345-365-062123DL

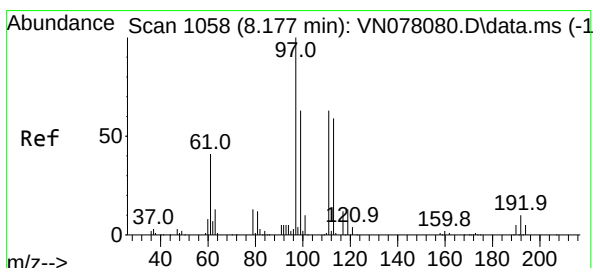
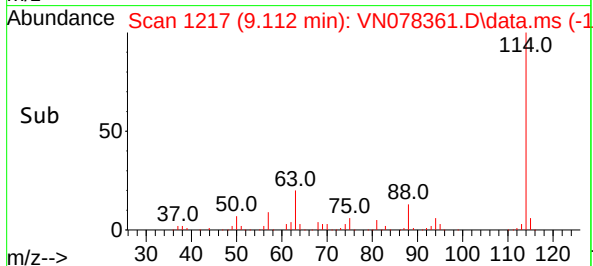
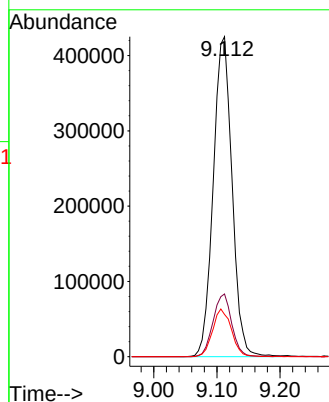
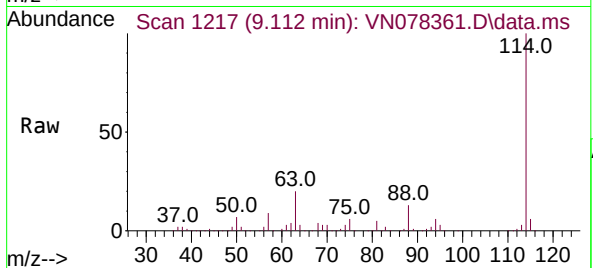
Tgt Ion:114 Resp: 879661

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 13.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.200 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078361.D

Acq: 22 Jun 2023 19:40

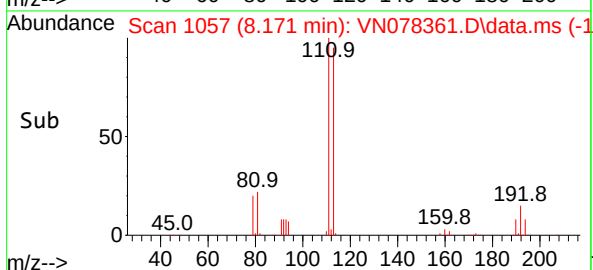
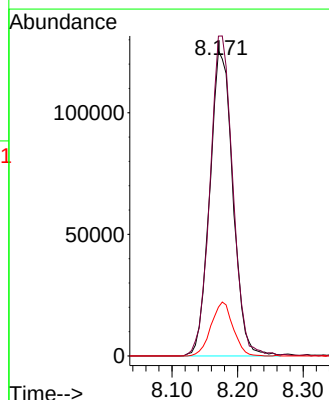
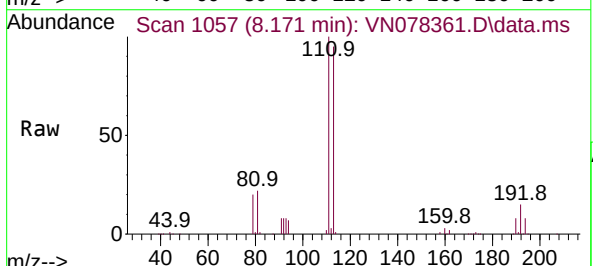
Tgt Ion:113 Resp: 307024

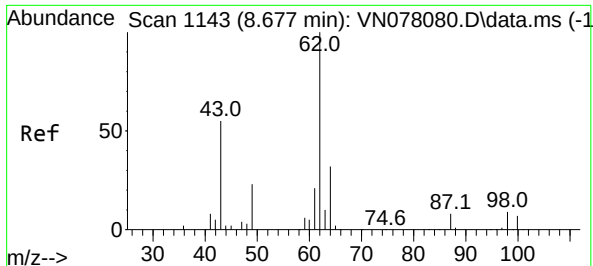
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 16.8 12.7 19.1





#42

1,2-Dichloroethane

Concen: 0.996 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN078361.D

Acq: 22 Jun 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

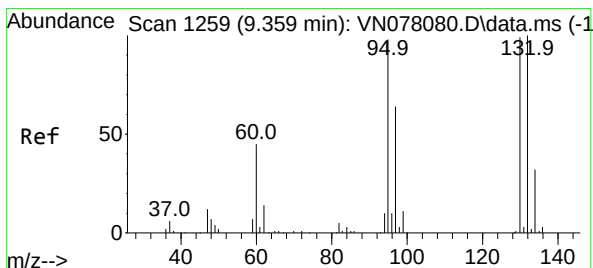
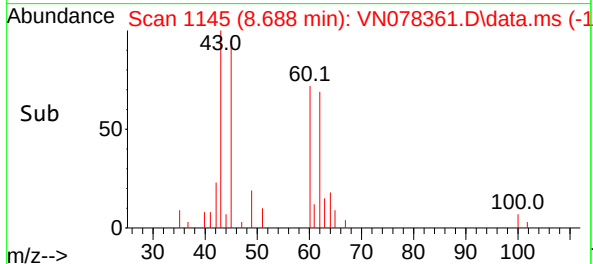
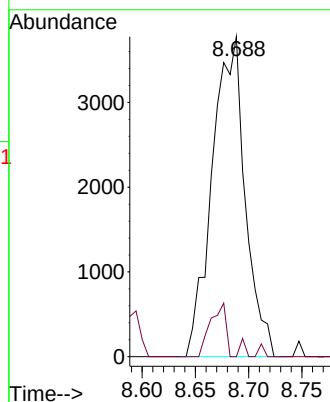
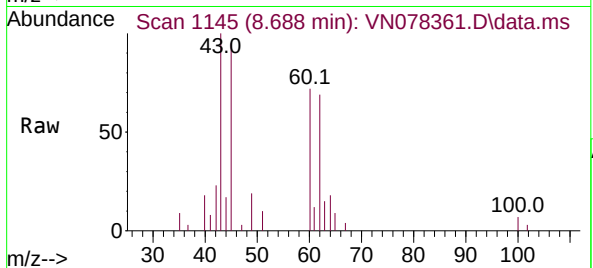
GWOW-BR-05-345-365-062123DL

Tgt Ion: 62 Resp: 8132

Ion Ratio Lower Upper

62 100

98 0.9 0.0 19.8



#44

Trichloroethene

Concen: 11.455 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078361.D

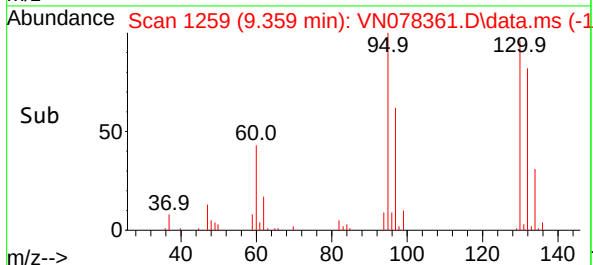
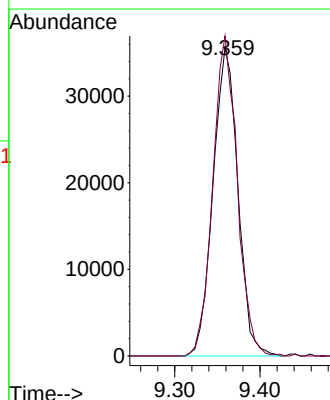
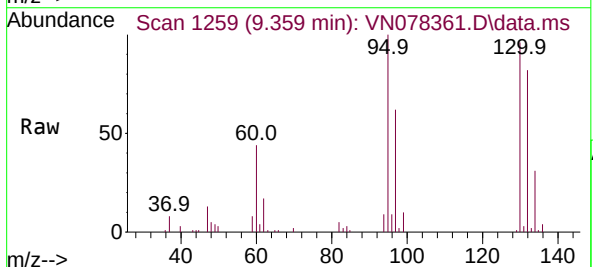
Acq: 22 Jun 2023 19:40

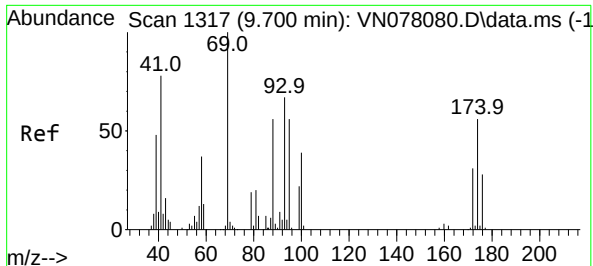
Tgt Ion: 130 Resp: 72054

Ion Ratio Lower Upper

130 100

95 103.8 0.0 204.6





#49

1,4-Dioxane

Concen: 20.175 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078361.D

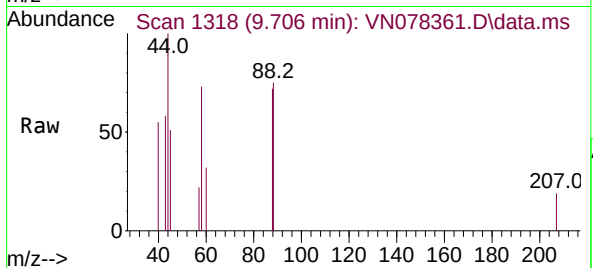
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Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-345-365-062123DL



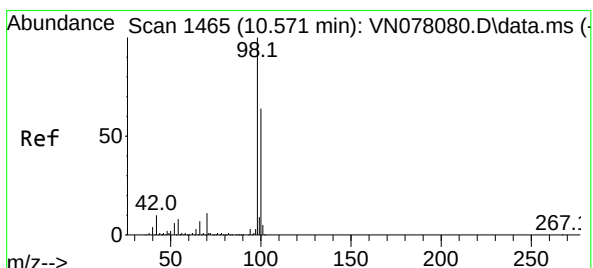
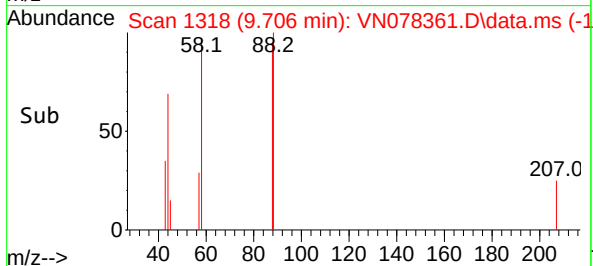
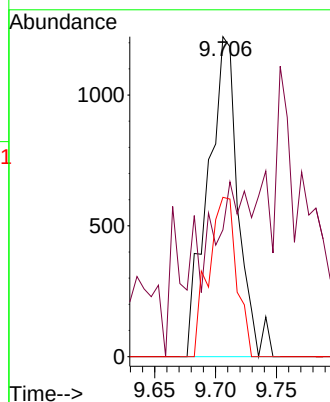
Tgt Ion: 88 Resp: 2121

Ion Ratio Lower Upper

88 100

43 60.6 17.0 25.6#

58 46.1 47.0 70.4#



#50

Toluene-d8

Concen: 47.604 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078361.D

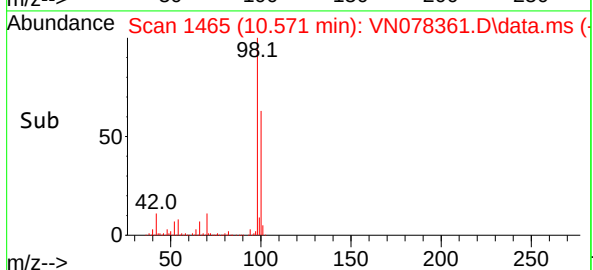
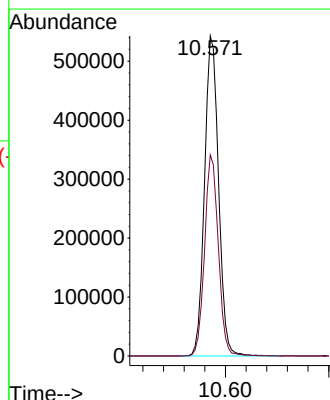
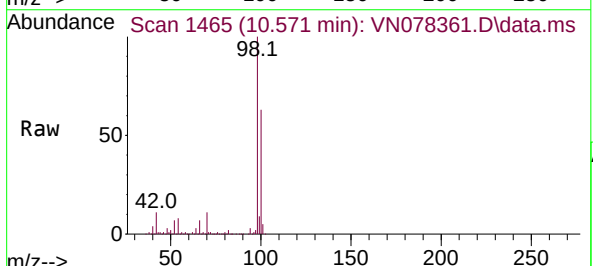
Acq: 22 Jun 2023 19:40

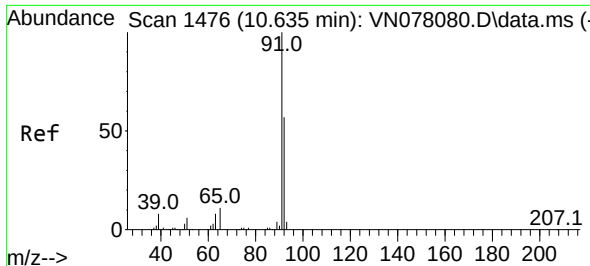
Tgt Ion: 98 Resp: 1020730

Ion Ratio Lower Upper

98 100

100 61.6 52.0 78.0

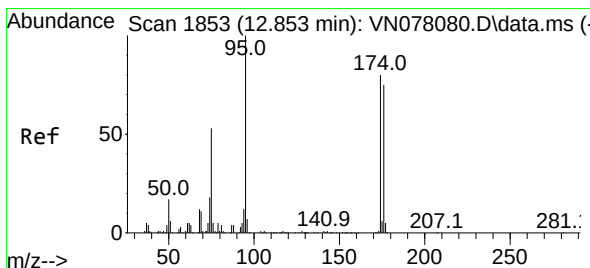
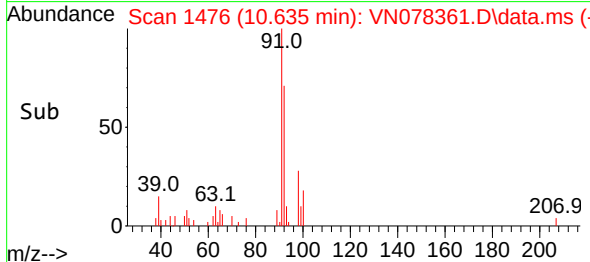
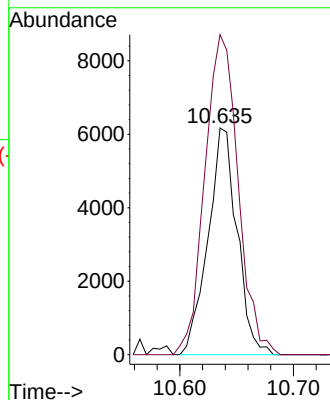
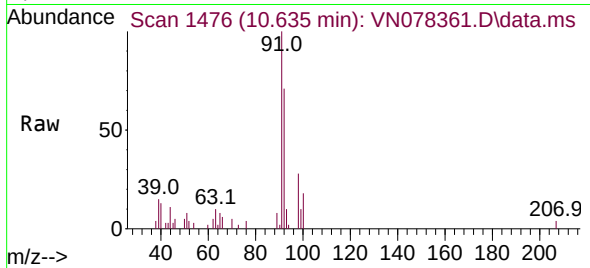




#52
Toluene
Concen: 0.730 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

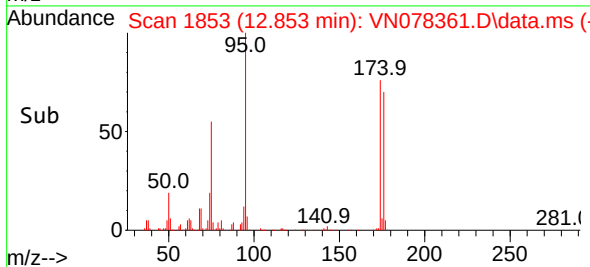
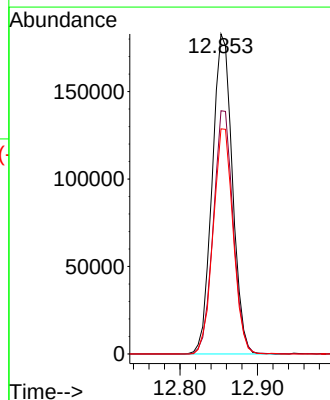
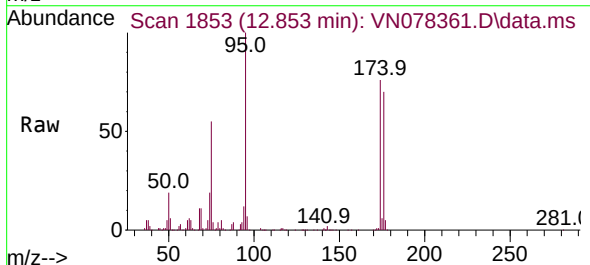
Instrument :
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GWOW-BR-05-345-365-062123DL

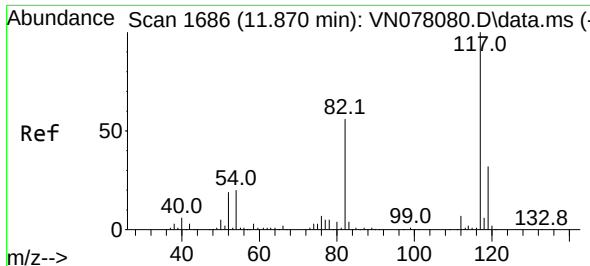
Tgt Ion: 92 Resp: 10983
Ion Ratio Lower Upper
92 100
91 161.7 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 49.577 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 95 Resp: 330470
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 69.7 0.0 135.8

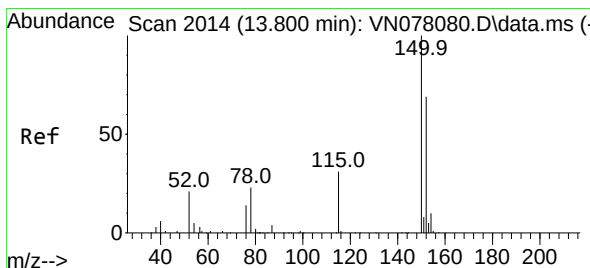
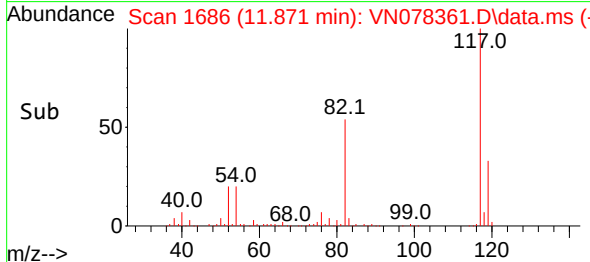
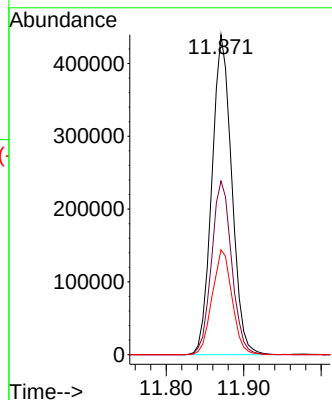
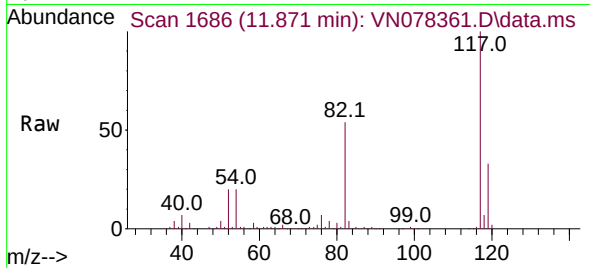




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

Tgt Ion:117 Resp: 781726
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 1204
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion:152 Resp: 244216
Ion Ratio Lower Upper
152 100
115 60.1 32.3 96.8
150 153.9 0.0 355.8

