

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)

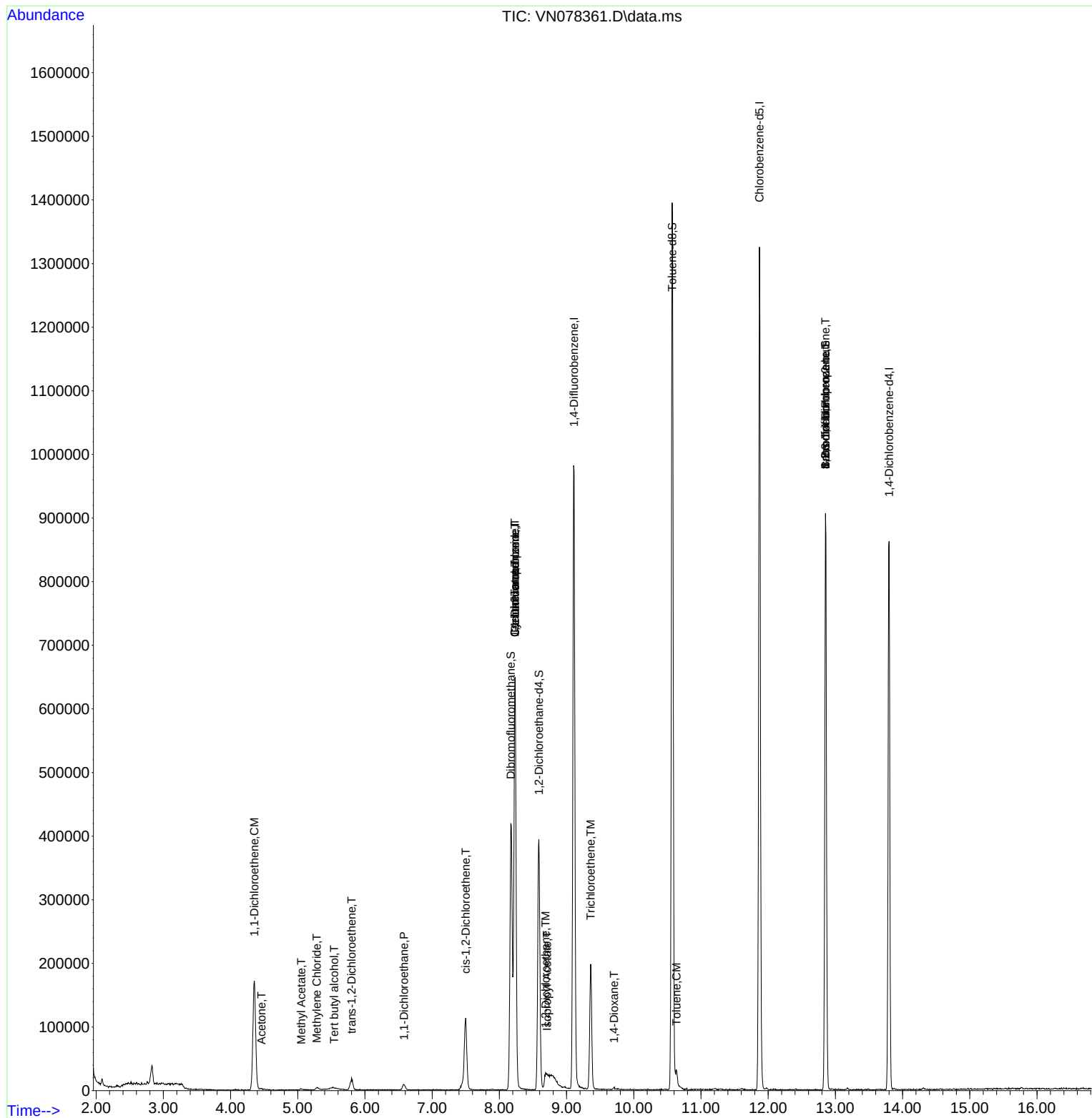
Internal Standards						
1) Pentafluorobenzene	8.235	168	472079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	879661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	781726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
3) Chloromethane	2.371	50	1170	Below Cal	#	42
11) Tert butyl alcohol	5.542	59	1460	1.680	ug/l #	72
12) 1,1-Dichloroethene	4.353	96	106178	20.597	ug/l	96
16) Acetone	4.459	43	1403	0.774	ug/l #	40
18) Methyl Acetate	5.053	43	2052	0.246	ug/l #	71
20) Methylene Chloride	5.283	84	2597	0.434	ug/l #	71
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
31) Cyclohexane	8.230	56	11097	1.374	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	39531	4.955	ug/l #	50
38) Carbon Tetrachloride	8.230	117	52133	6.189	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	8132	0.996	ug/l	76
43) Isopropyl Acetate	8.712	43	17364	1.457	ug/l #	49
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
71) Bromoform	12.853	173	2446	0.616	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	69	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	172287	29.842	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	172287	91.683	ug/l #	15

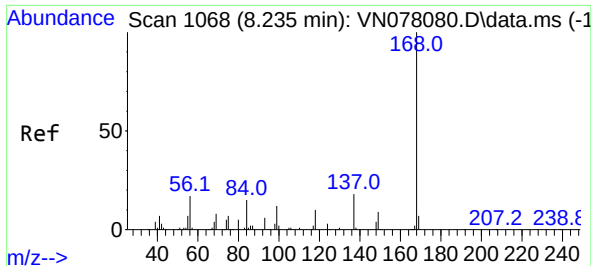
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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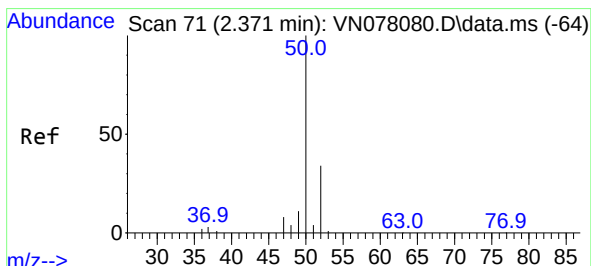
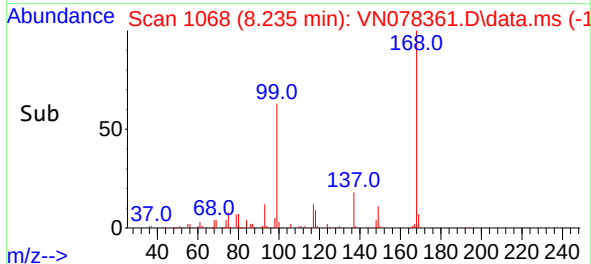
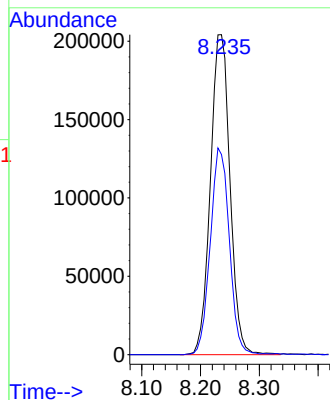
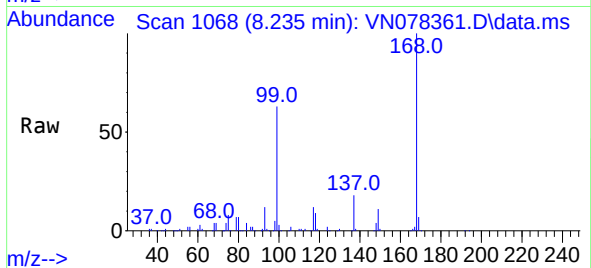




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

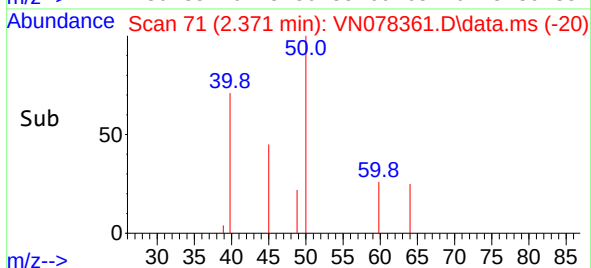
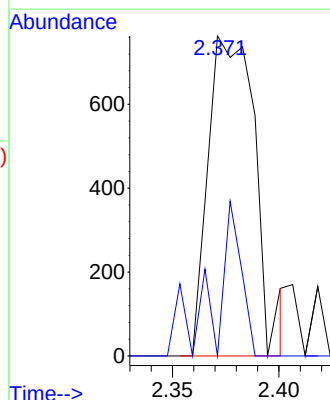
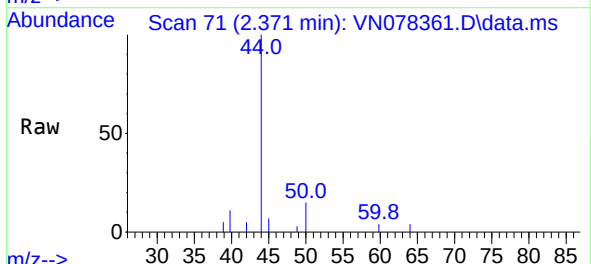
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

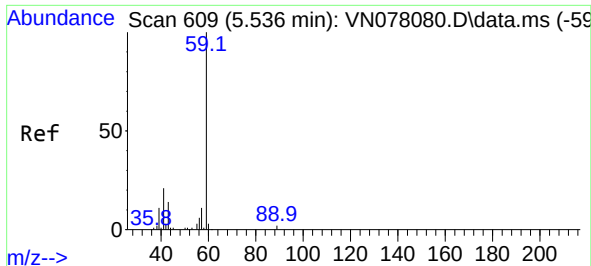
Tgt Ion:168 Resp: 472079
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 50 Resp: 1170
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

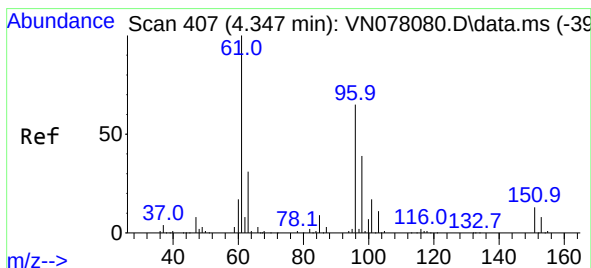
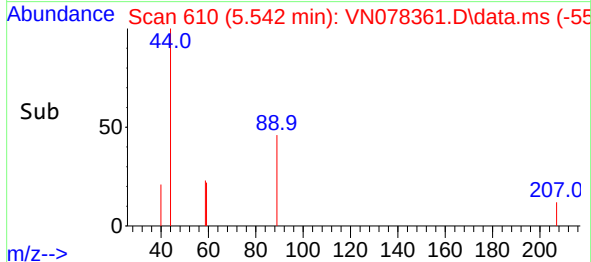
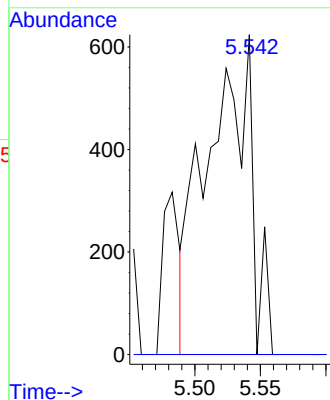
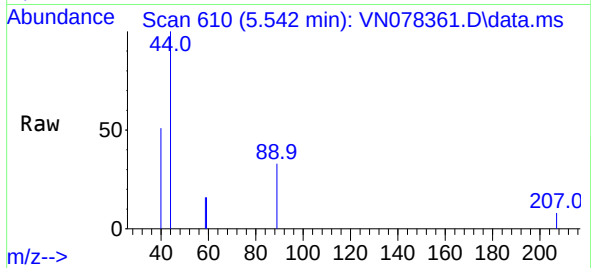




#11
Tert butyl alcohol
Concen: 1.680 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

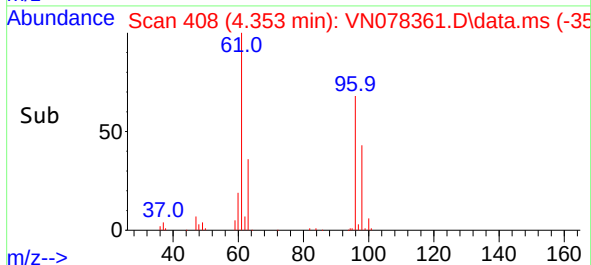
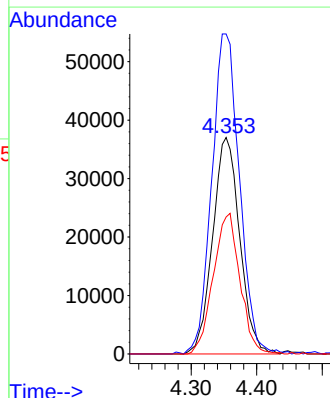
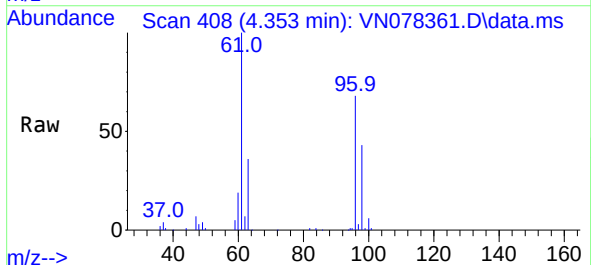
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

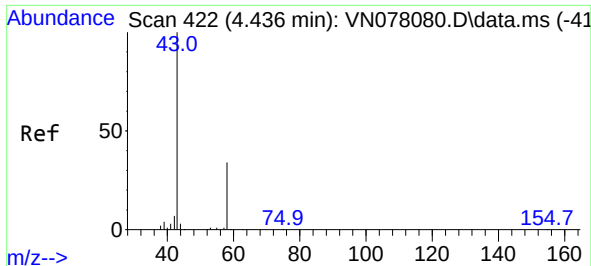
Tgt Ion: 59 Resp: 1460
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#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

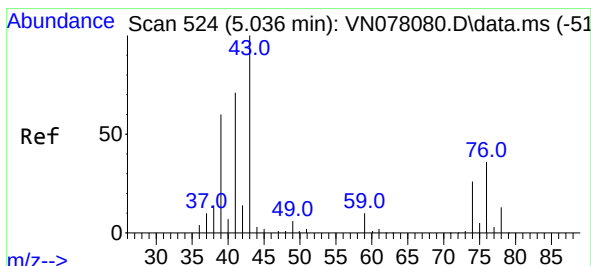
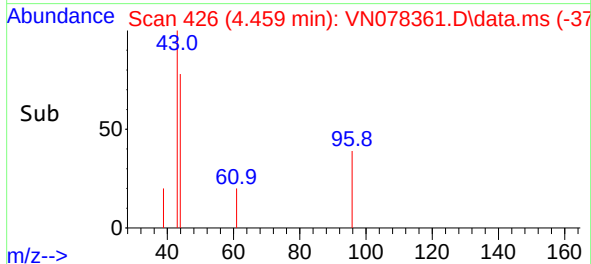
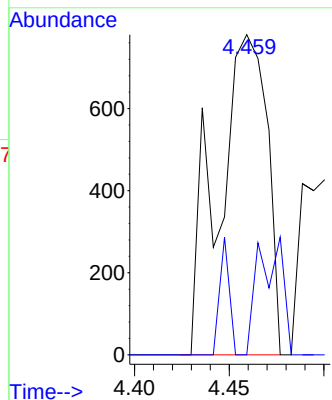
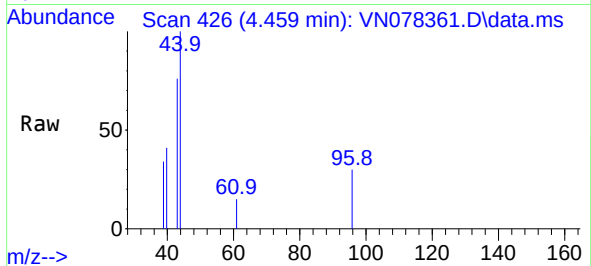




#16
Acetone
Concen: 0.774 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

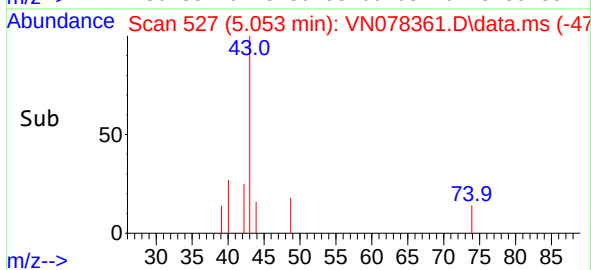
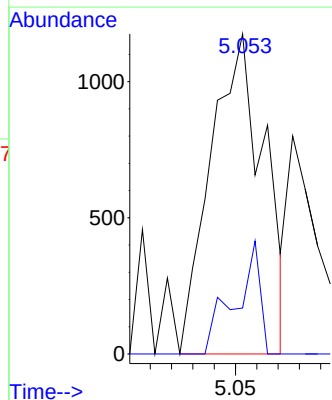
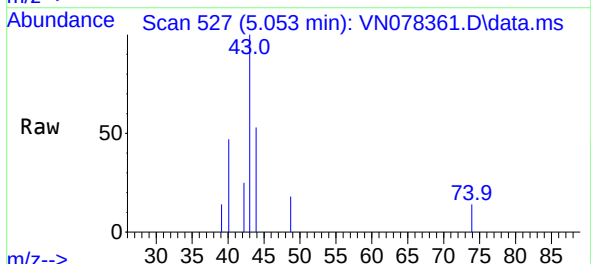
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

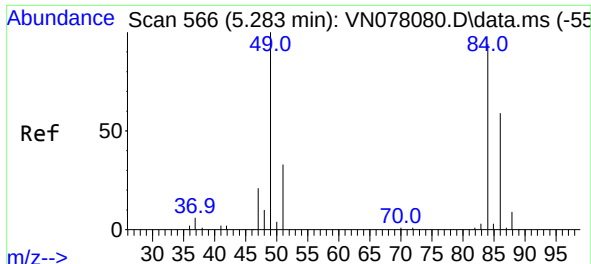
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
74 16.4 26.2 39.4#

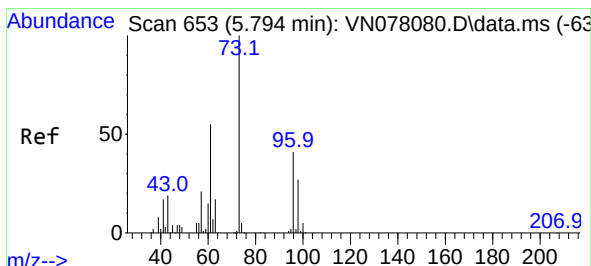
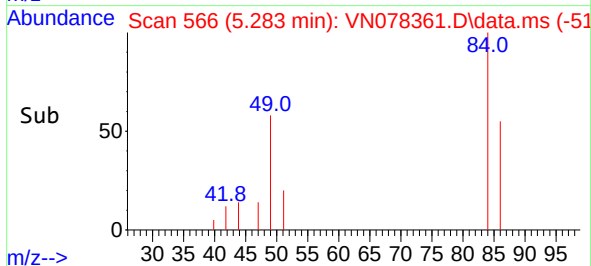
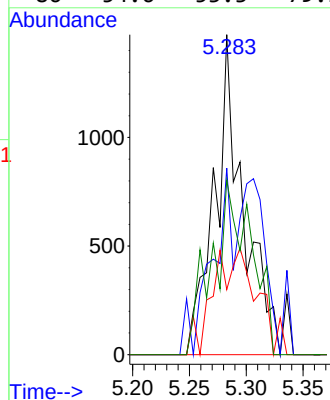
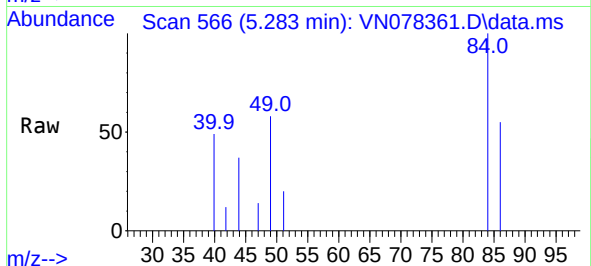




#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

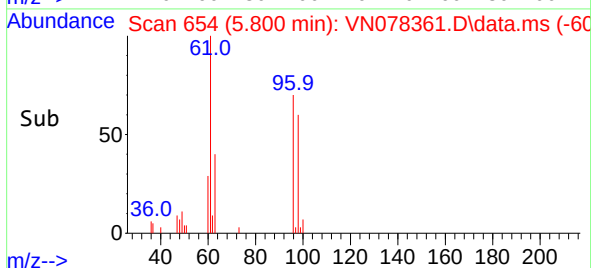
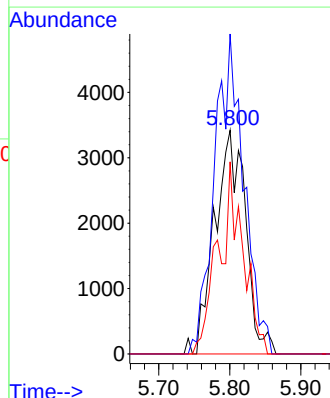
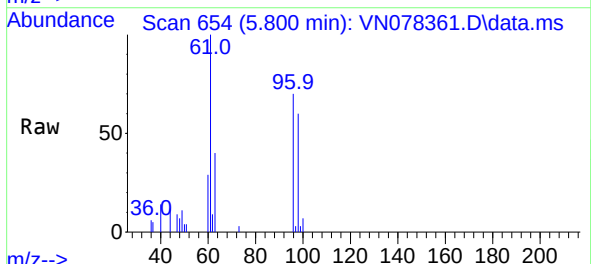
Instrument :
MSVOA_N
ClientSampleId :
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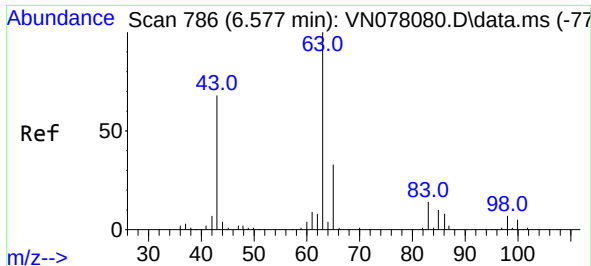
Tgt Ion:	84	Resp:	2597
Ion	Ratio	Lower	Upper
84	100		
49	58.3	79.7	119.5#
51	20.4	25.2	37.8#
86	54.6	53.3	79.9



#21
trans-1,2-Dichloroethene
Concen: 1.854 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

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#

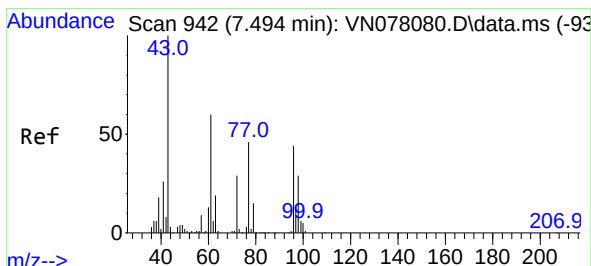
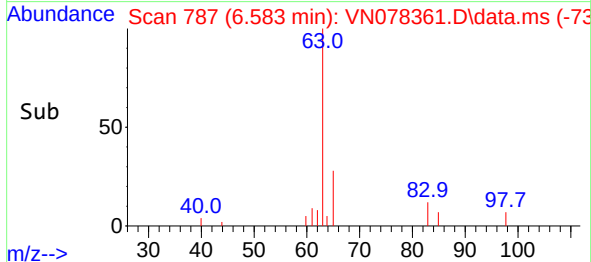
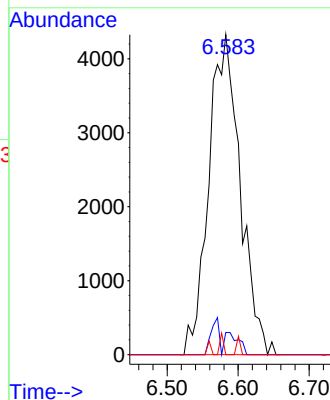
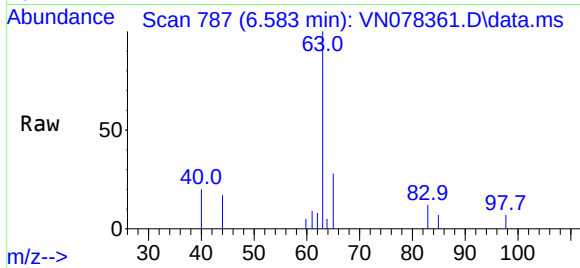




#24
1,1-Dichloroethane
Concen: 1.364 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

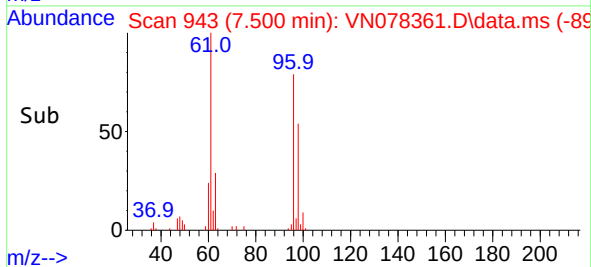
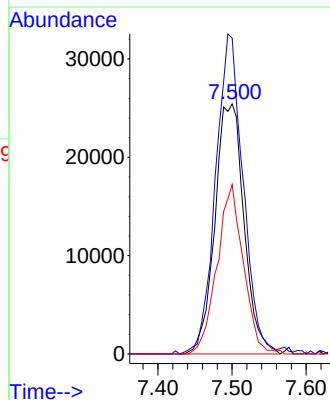
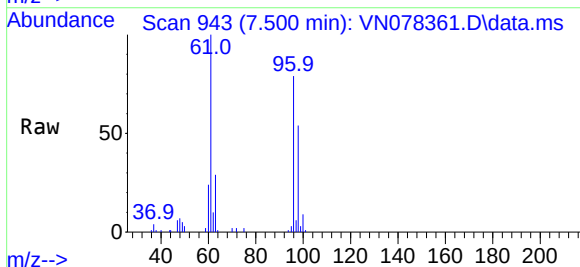
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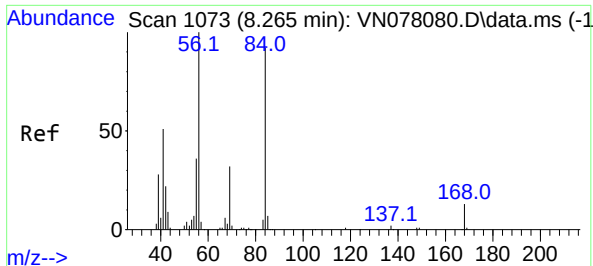
Tgt Ion: 63 Resp: 13320
Ion Ratio Lower Upper
63 100
98 6.9 3.9 11.7
100 0.0 2.5 7.4#



#27
cis-1,2-Dichloroethene
Concen: 10.484 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

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

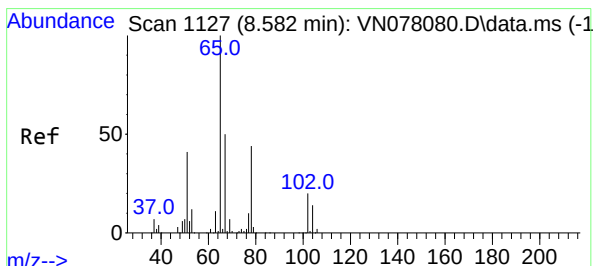
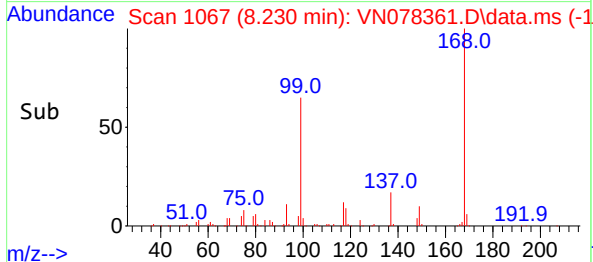
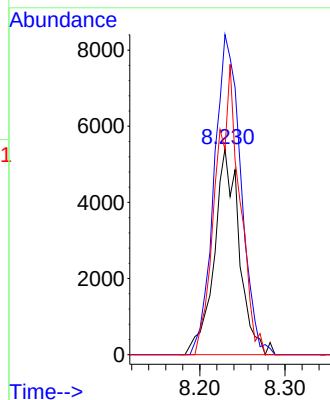
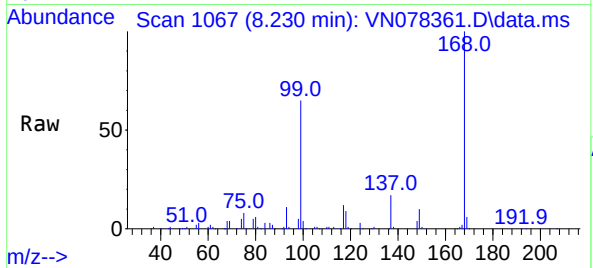




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.230 min Scan# 11097
Delta R.T. -0.035 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

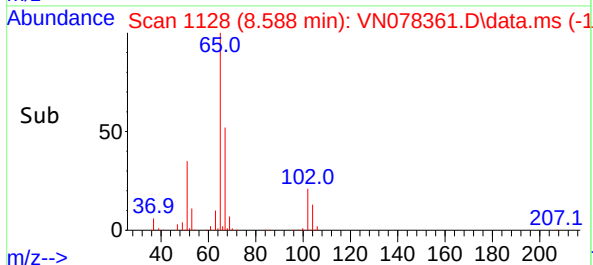
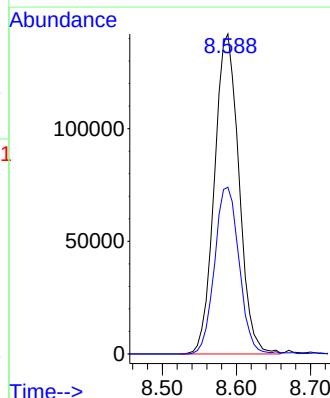
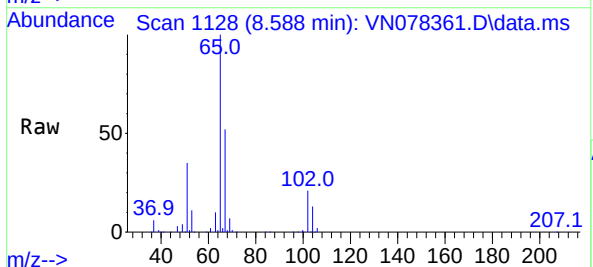
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-345-365-062123DL

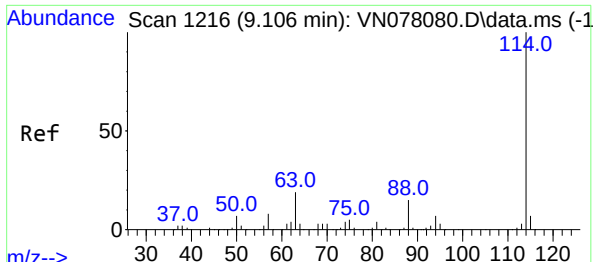
Tgt Ion: 56 Resp: 11097
Ion Ratio Lower Upper
56 100
69 155.4 26.8 40.2#
84 99.6 81.8 122.6



#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



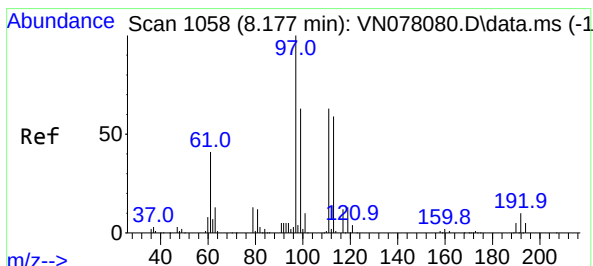
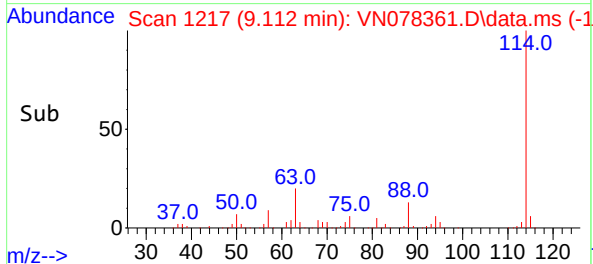
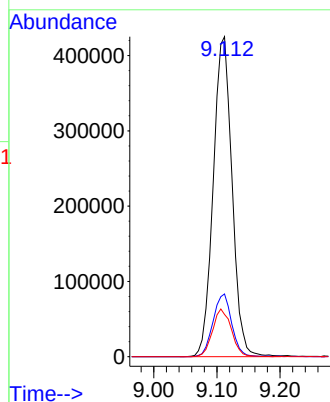
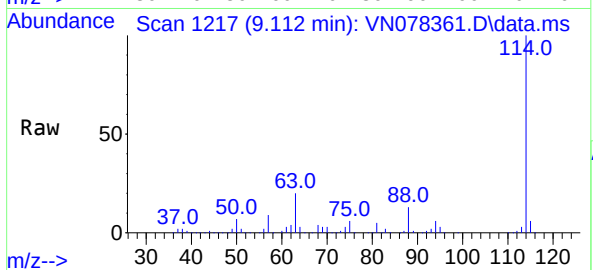


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

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

Tgt Ion:114 Resp: 879661

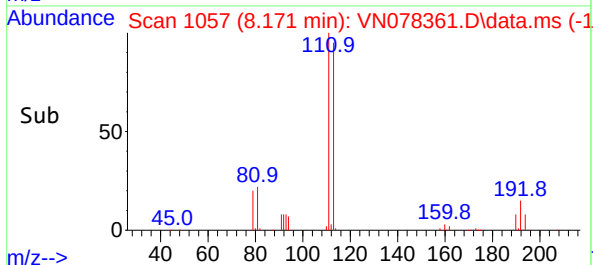
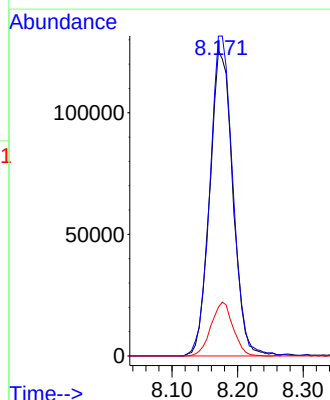
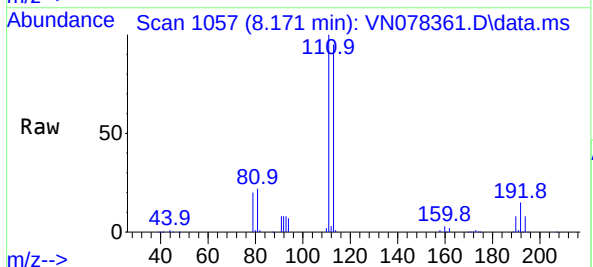
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	36.4
88	13.2	0.0	30.6

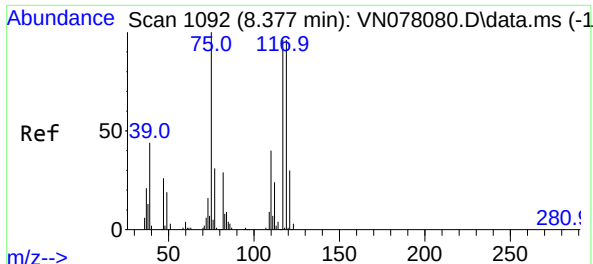


#35
Dibromofluoromethane
Concen: 55.200 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

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

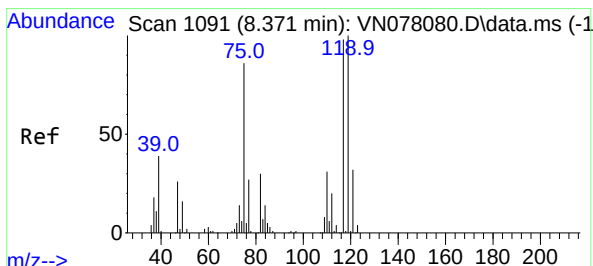
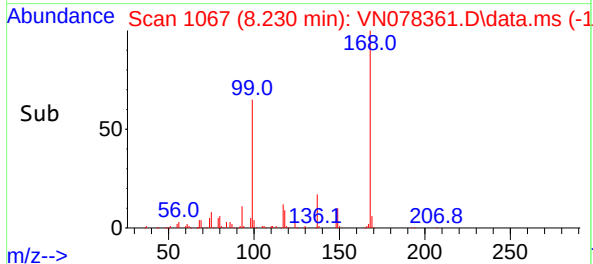
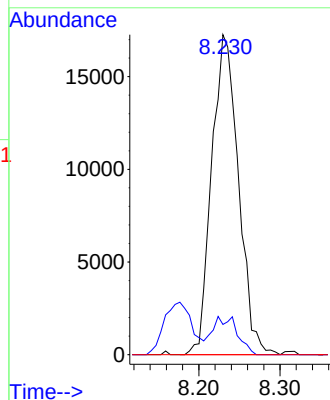
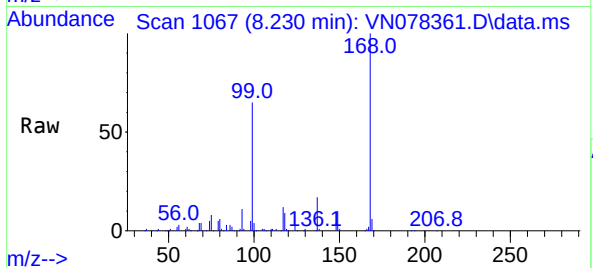




#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

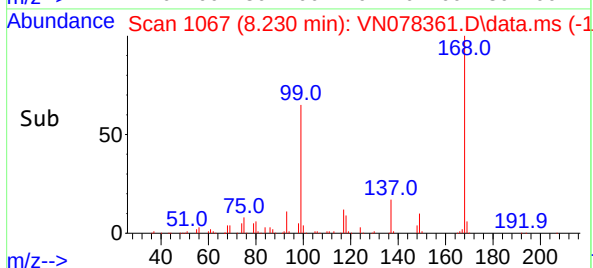
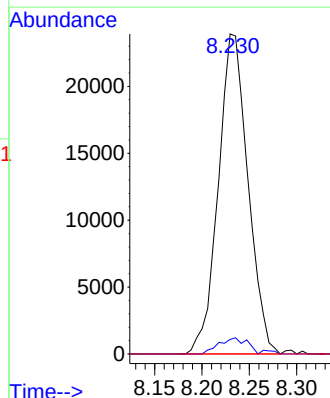
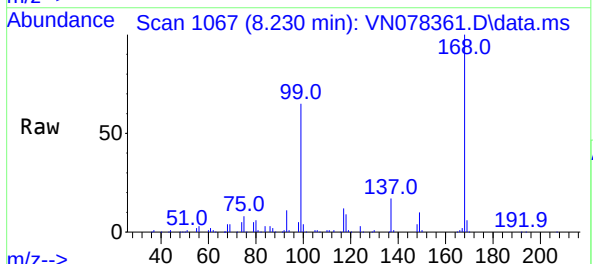
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-345-365-062123DL

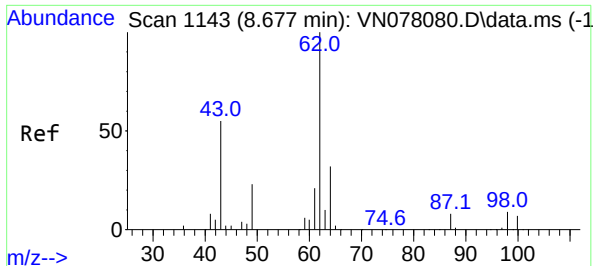
Tgt Ion: 75 Resp: 39531
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 117 Resp: 52133
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#

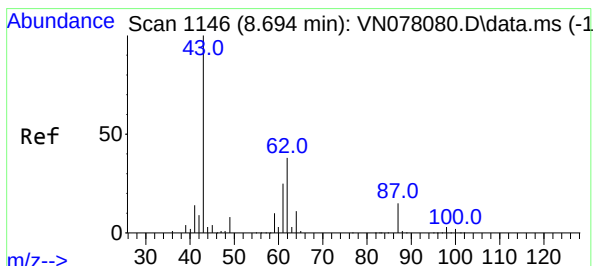
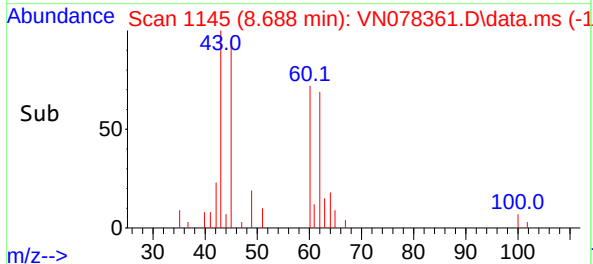
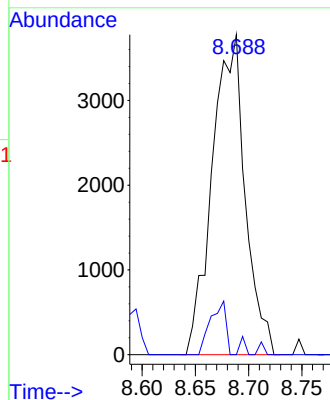
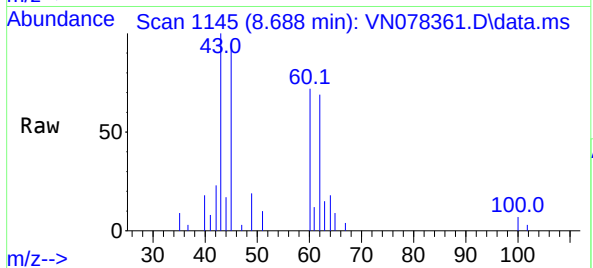




#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

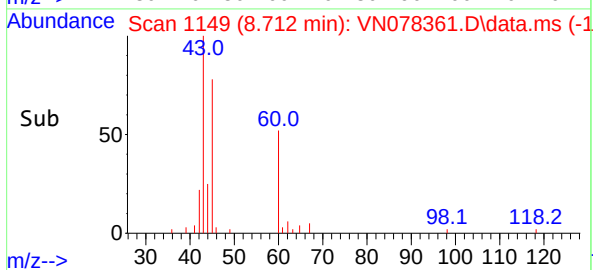
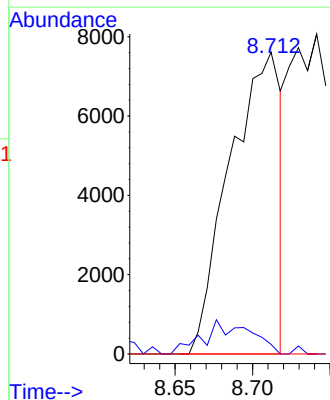
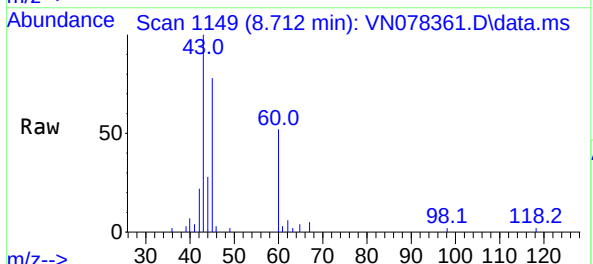
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-345-365-062123DL

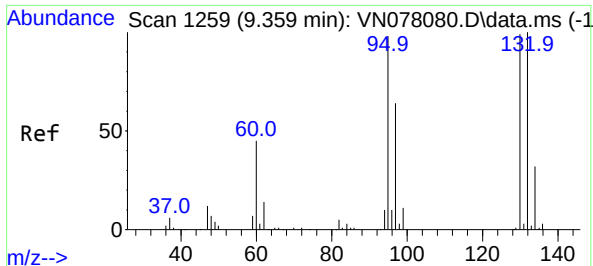
Tgt Ion: 62 Resp: 8132
Ion Ratio Lower Upper
62 100
98 0.9 0.0 19.8



#43
Isopropyl Acetate
Concen: 1.457 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

Tgt Ion: 43 Resp: 17364
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 11.455 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078361.D

Acq: 22 Jun 2023 19:40

Instrument :

MSVOA_N

ClientSampleId :

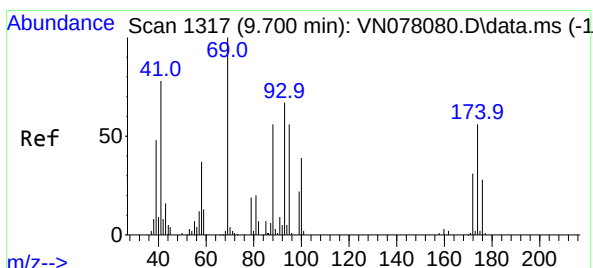
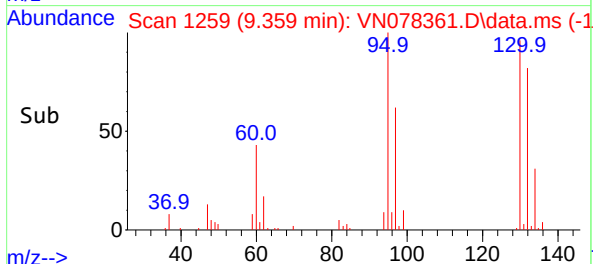
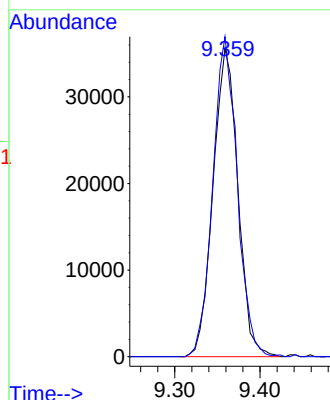
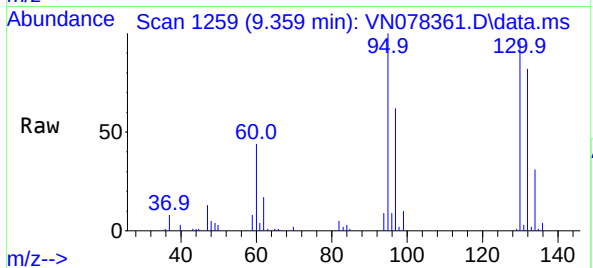
GWOW-BR-05-345-365-062123DL

Tgt Ion: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# 1318

Delta R.T. 0.006 min

Lab File: VN078361.D

Acq: 22 Jun 2023 19:40

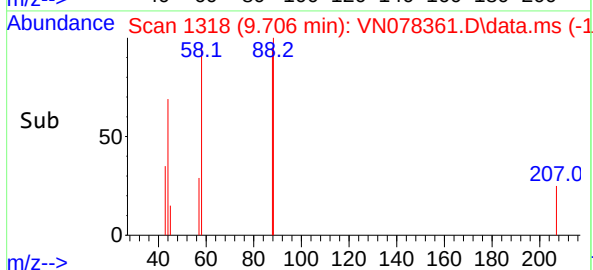
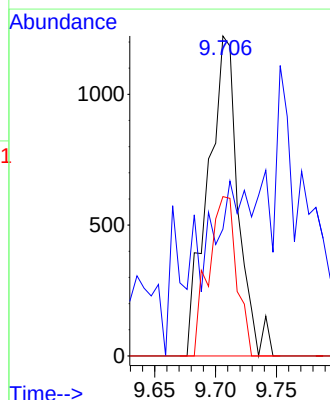
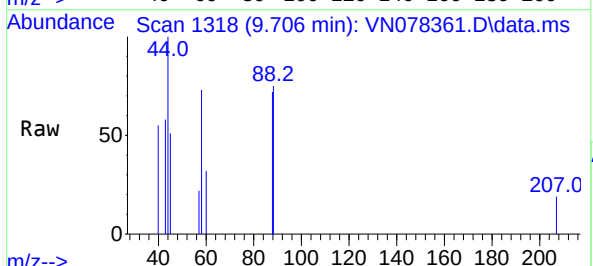
Tgt Ion: 88 Resp: 2121

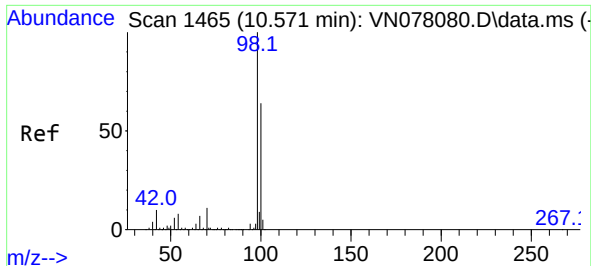
Ion Ratio Lower Upper

88 100

43 60.6 17.0 25.6#

58 46.1 47.0 70.4#

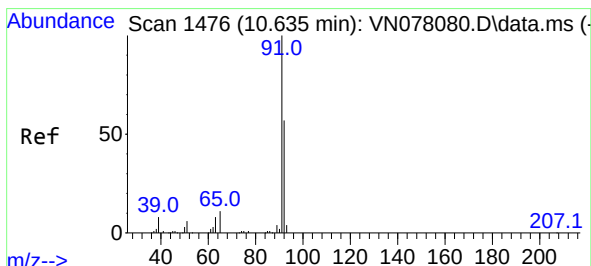
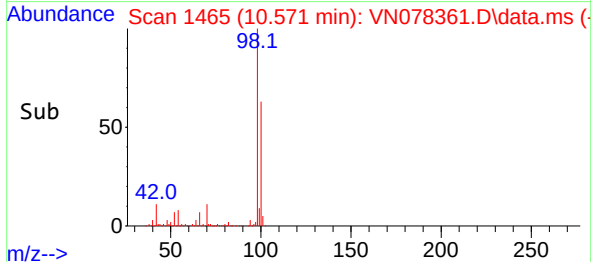
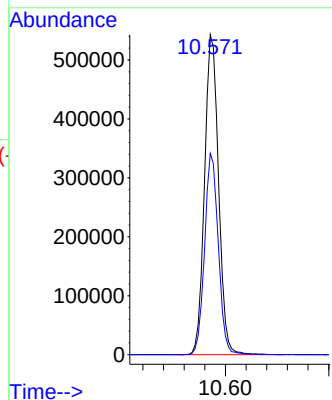
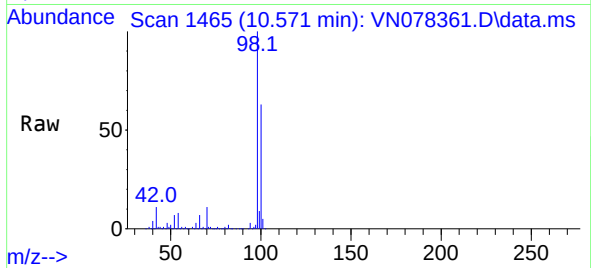




#50
Toluene-d8
Concen: 47.604 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

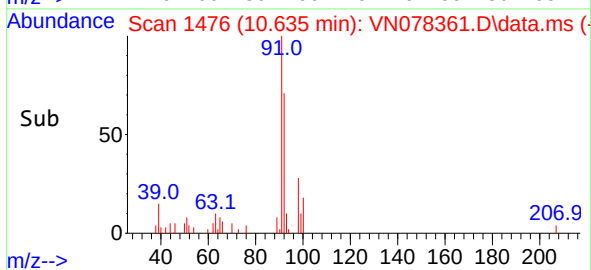
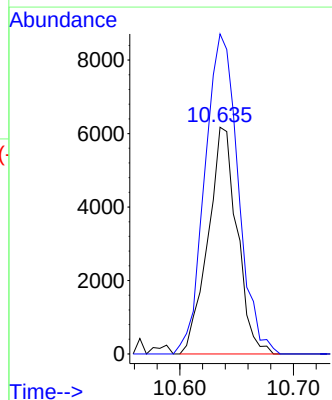
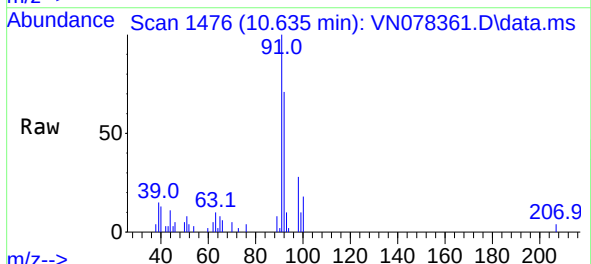
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-345-365-062123DL

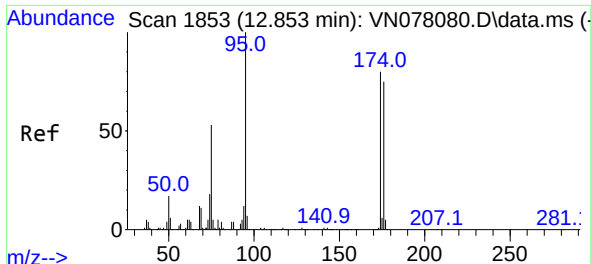
Tgt Ion: 98 Resp: 1020730
Ion Ratio Lower Upper
98 100
100 61.6 52.0 78.0



#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

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

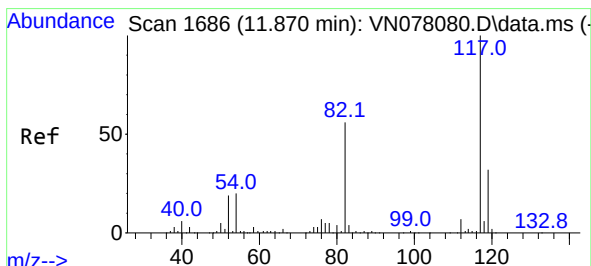
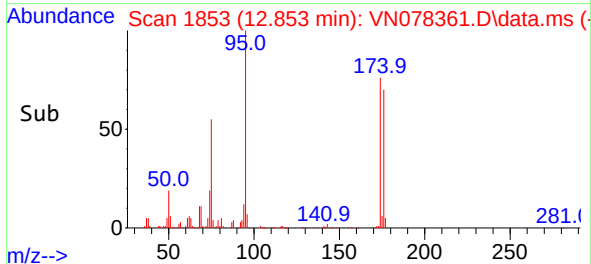
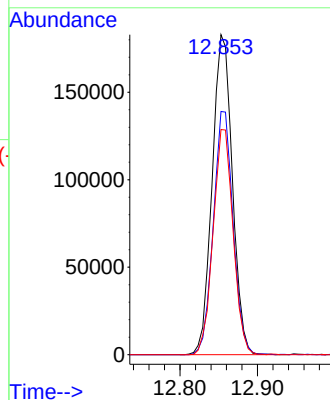
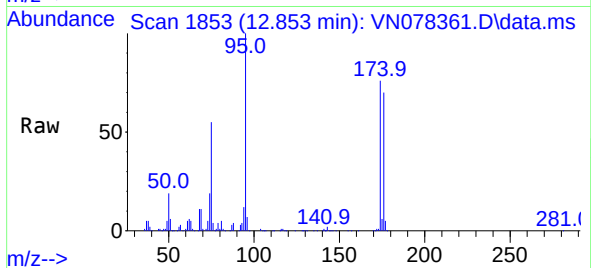




#62
4-Bromofluorobenzene
Concen: 49.577 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

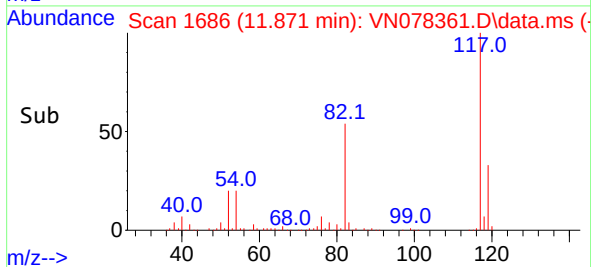
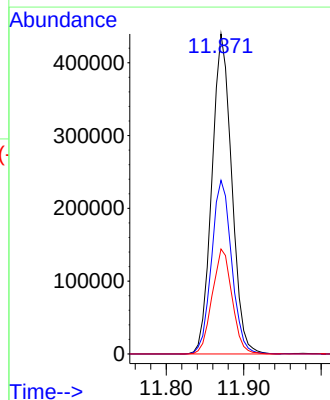
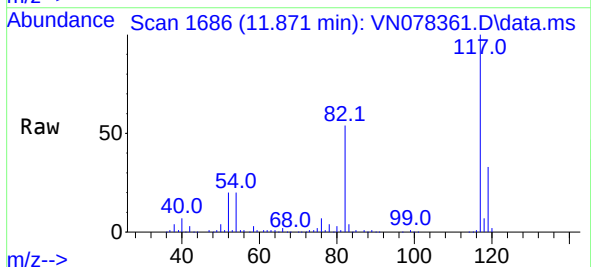
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

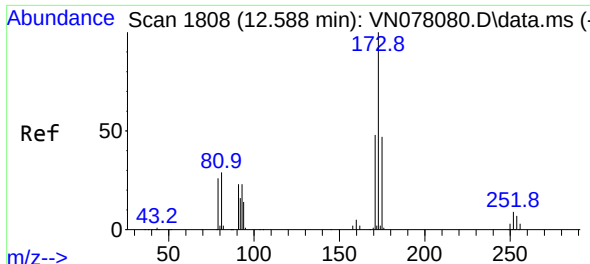
Tgt Ion: 95 Resp: 330470
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 69.7 0.0 135.8



#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

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

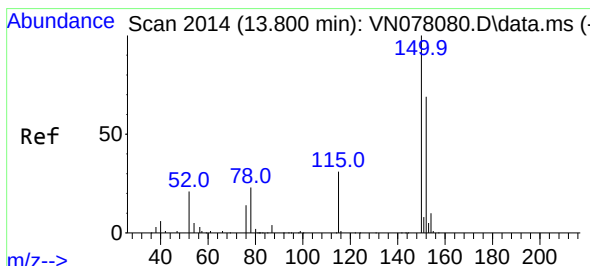
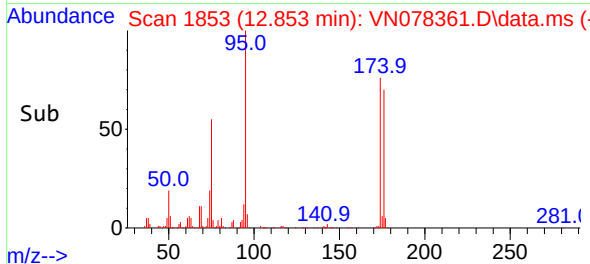
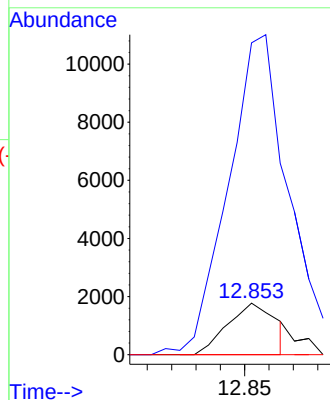
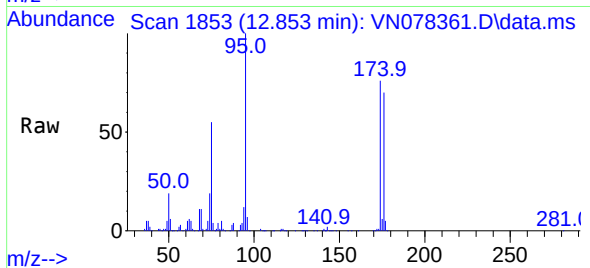




#71
Bromoform
Concen: 0.616 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

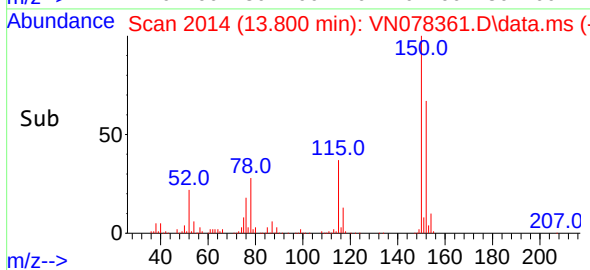
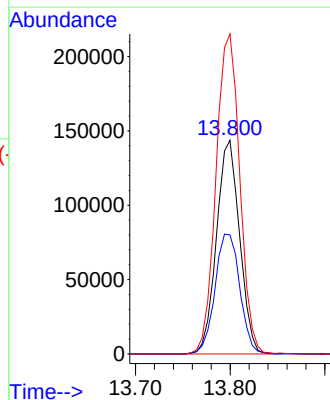
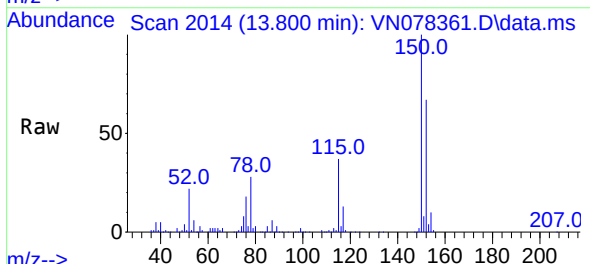
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

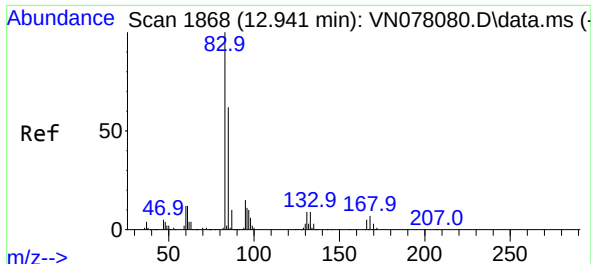
Tgt Ion:173 Resp: 2446
Ion Ratio Lower Upper
173 100
175 639.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
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

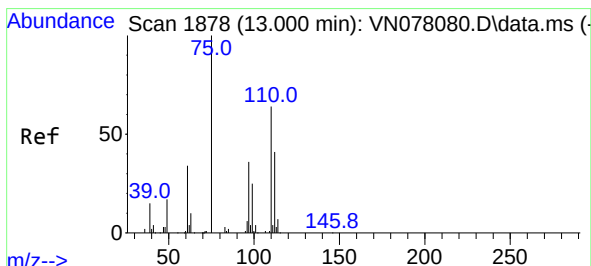
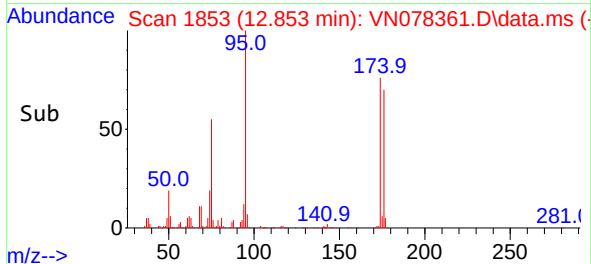
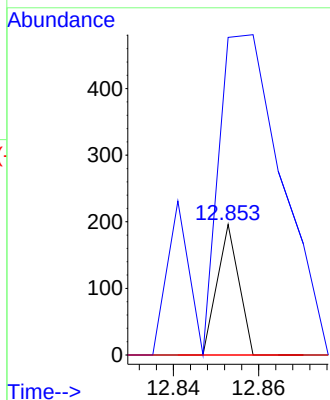
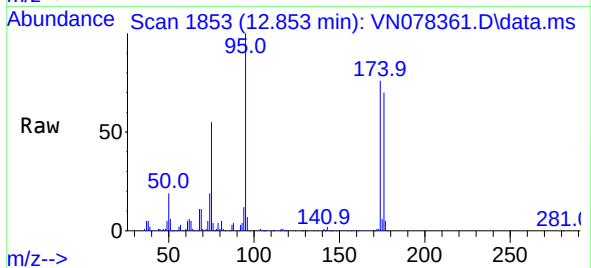




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.088 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

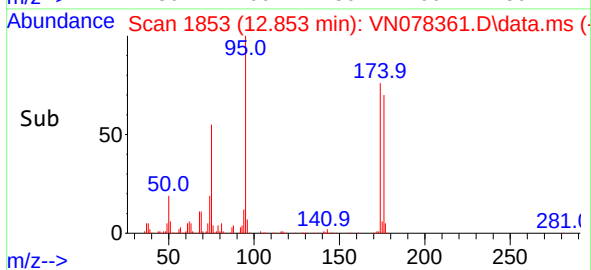
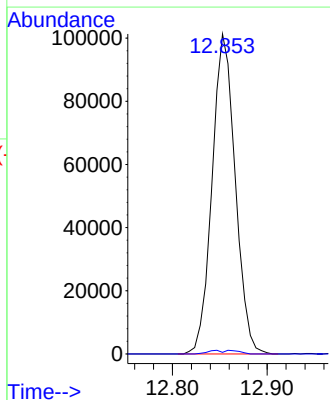
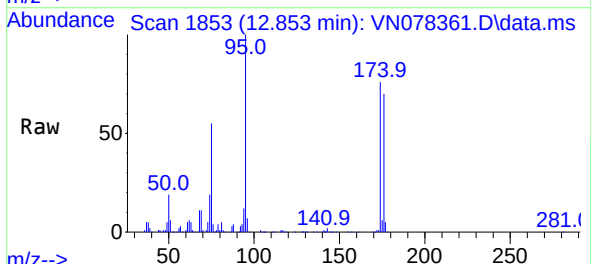
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123DL

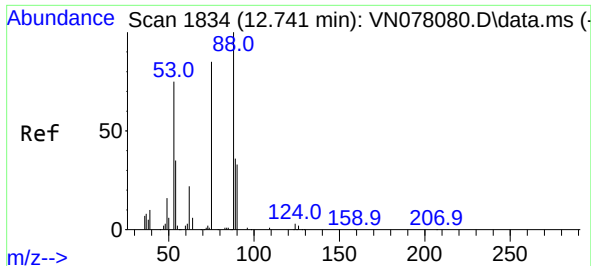
Tgt Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
131 834.8 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.842 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078361.D
Acq: 22 Jun 2023 19:40

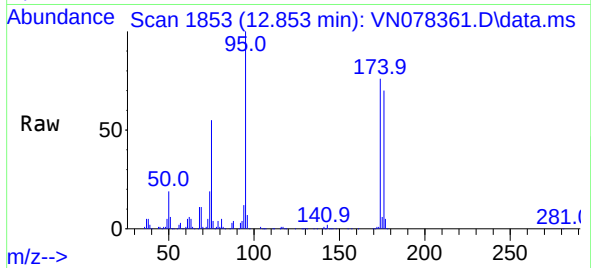
Tgt Ion: 75 Resp: 172287
Ion Ratio Lower Upper
75 100
77 0.7 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.683 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078361.D
 Acq: 22 Jun 2023 19:40

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



Tgt Ion: 75 Resp: 172287
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

