

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078199.D
 Acq On : 14 Jun 2023 12:32
 Operator : JC\MD
 Sample : 03225-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-84-104-061323

Quant Time: Jun 15 02:42:08 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)

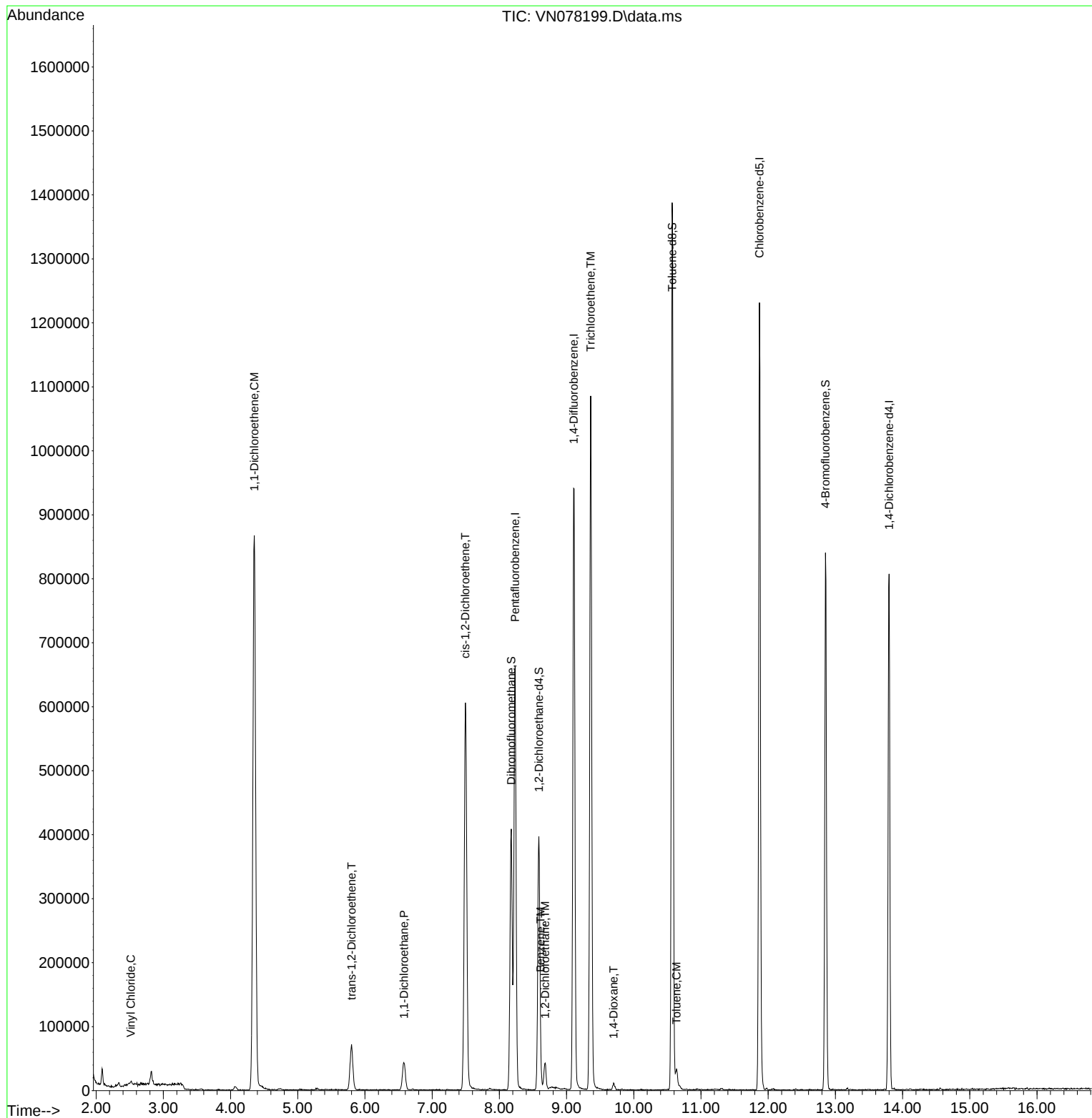
Internal Standards						
1) Pentafluorobenzene	8.235	168	472187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	864952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	749395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	326413	51.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.700%	
35) Dibromofluoromethane	8.177	113	293783	53.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.440%	
50) Toluene-d8	10.570	98	1034661	49.075	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.140%	
62) 4-Bromofluorobenzene	12.853	95	301564	46.010	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.020%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.518	62	4740	0.678	ug/l #	86
12) 1,1-Dichloroethene	4.353	96	533663	103.498	ug/l	88
21) trans-1,2-Dichloroethene	5.800	96	42598	7.660	ug/l #	82
24) 1,1-Dichloroethane	6.583	63	64741	6.629	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	379938	57.274	ug/l	96
40) Benzene	8.612	78	5856	0.250	ug/l	94
42) 1,2-Dichloroethane	8.682	62	39041	4.862	ug/l	99
44) Trichloroethene	9.359	130	390850	63.195	ug/l	99
49) 1,4-Dioxane	9.700	88	8089	78.251	ug/l #	82
52) Toluene	10.635	92	11060	0.748	ug/l	99

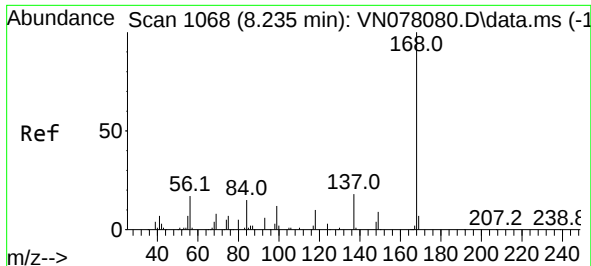
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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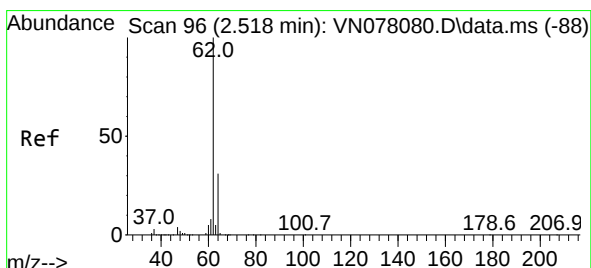
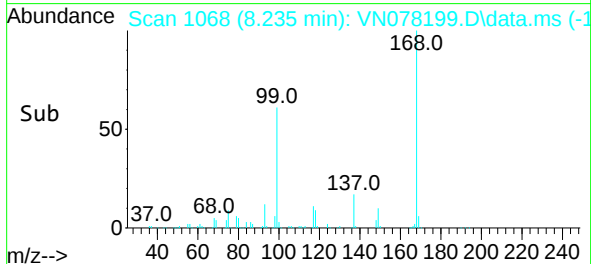
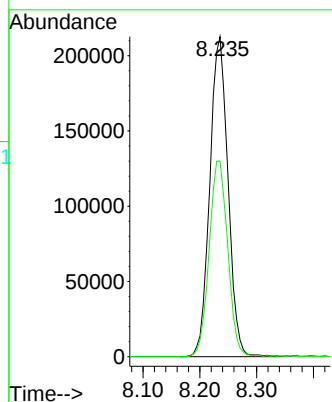
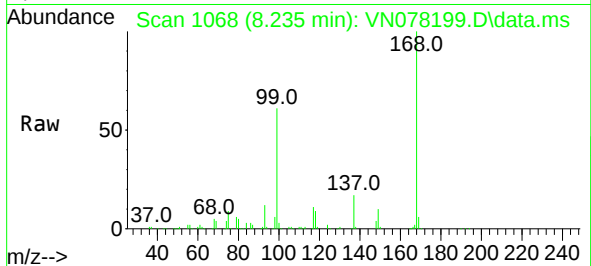




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078199.D
Acq: 14 Jun 2023 12:32

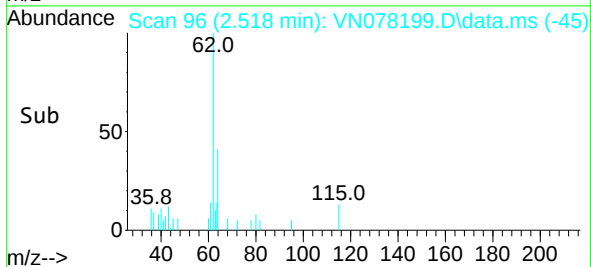
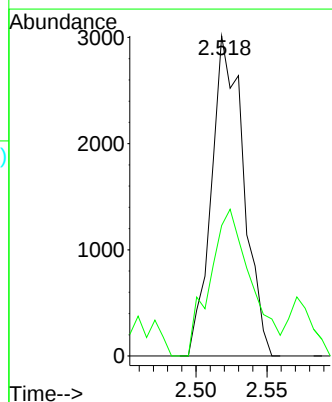
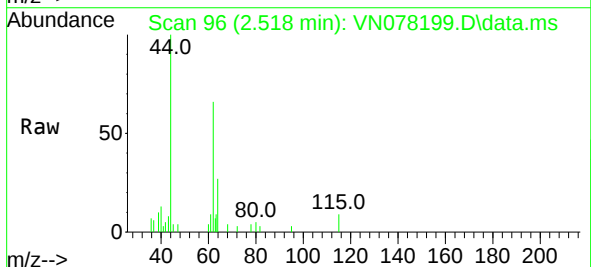
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

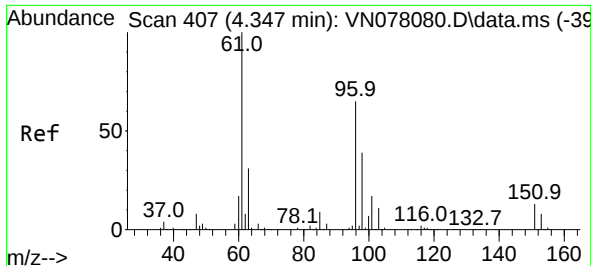
Tgt Ion:168 Resp: 472187
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#4
Vinyl Chloride
Concen: 0.678 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN078199.D
Acq: 14 Jun 2023 12:32

Tgt Ion: 62 Resp: 4740
Ion Ratio Lower Upper
62 100
64 40.8 26.2 39.2#

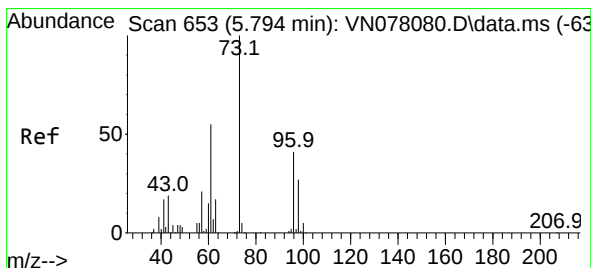
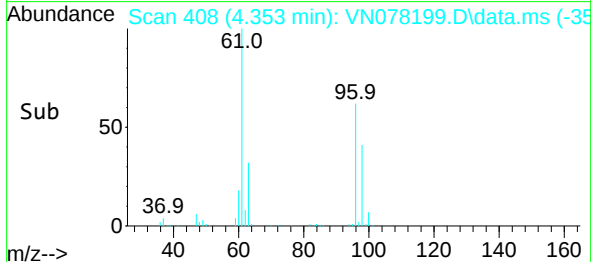
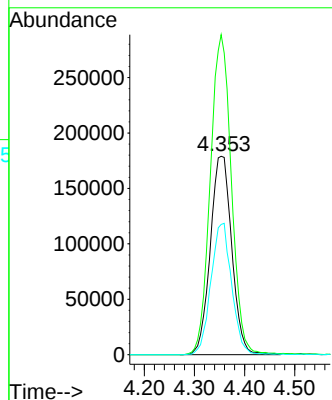
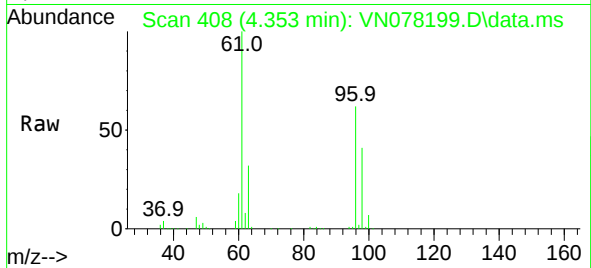




#12
1,1-Dichloroethene
Concen: 103.498 ug/l
RT: 4.353 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN078199.D
Acq: 14 Jun 2023 12:32

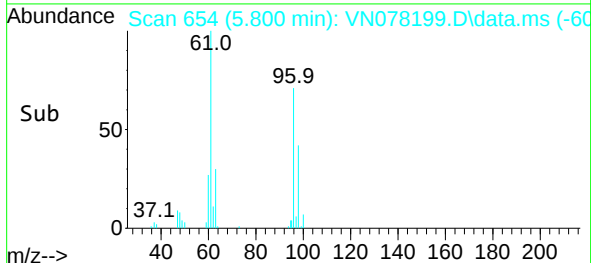
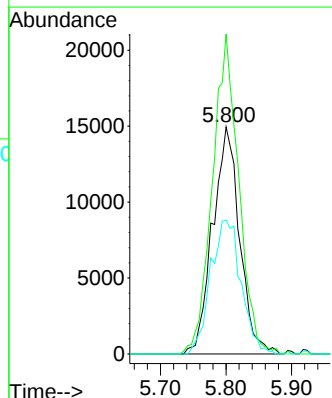
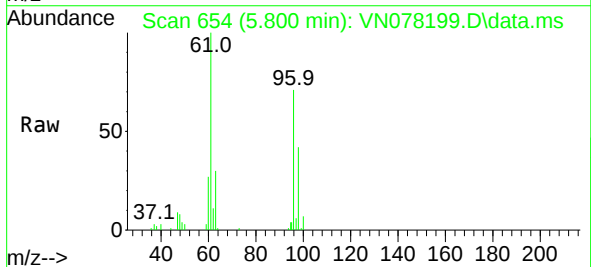
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

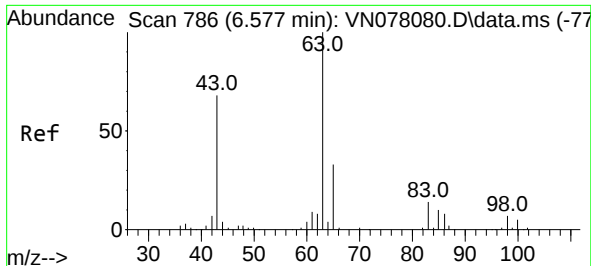
Tgt Ion: 96 Resp: 533663
Ion Ratio Lower Upper
96 100
61 161.2 112.7 169.1
98 65.6 51.2 76.8



#21
trans-1,2-Dichloroethene
Concen: 7.660 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN078199.D
Acq: 14 Jun 2023 12:32

Tgt Ion: 96 Resp: 42598
Ion Ratio Lower Upper
96 100
61 140.9 90.1 135.1#
98 58.9 46.4 69.6

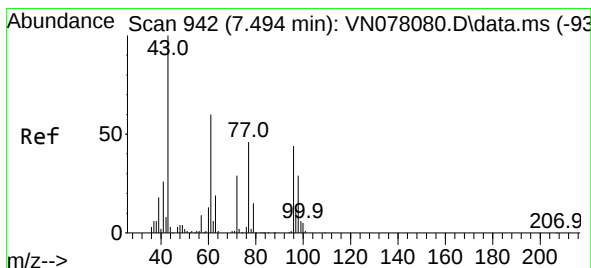
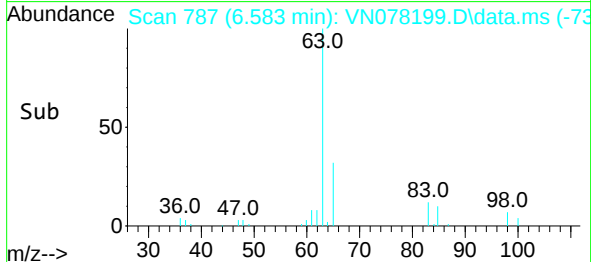
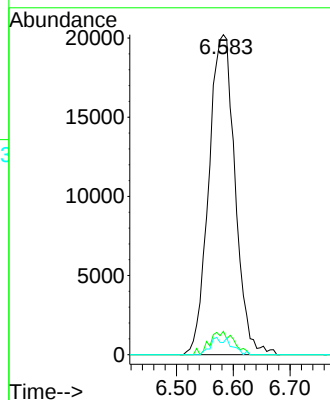
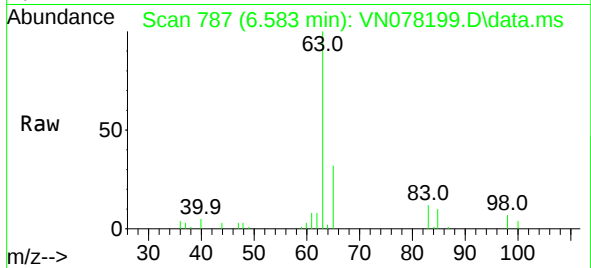




#24
 1,1-Dichloroethane
 Concen: 6.629 ug/l
 RT: 6.583 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN078199.D
 Acq: 14 Jun 2023 12:32

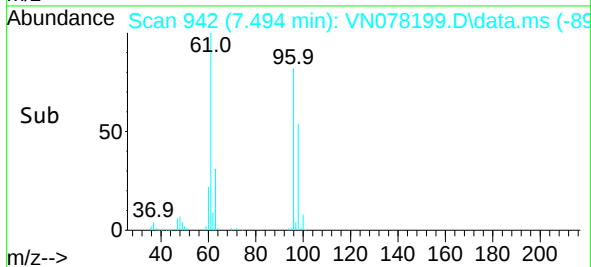
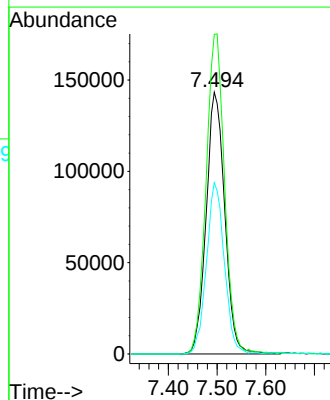
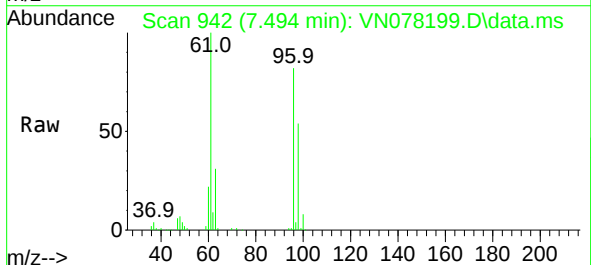
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-84-104-061323

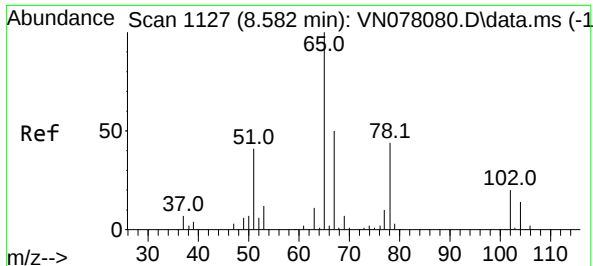
Tgt Ion: 63 Resp: 64741
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.9 11.7
 100 3.8 2.5 7.4



#27
 cis-1,2-Dichloroethene
 Concen: 57.274 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. -0.000 min
 Lab File: VN078199.D
 Acq: 14 Jun 2023 12:32

Tgt Ion: 96 Resp: 379938
 Ion Ratio Lower Upper
 96 100
 61 122.0 0.0 255.2
 98 62.7 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 51.847 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

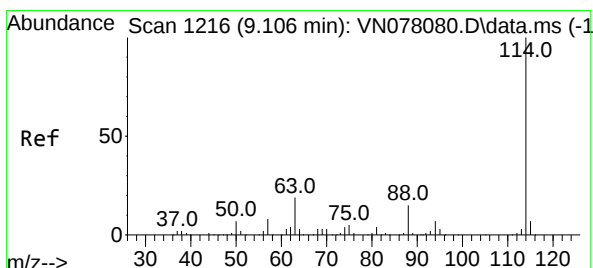
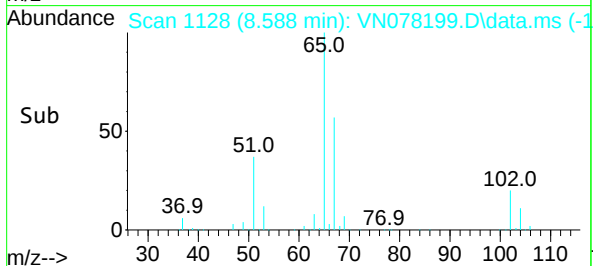
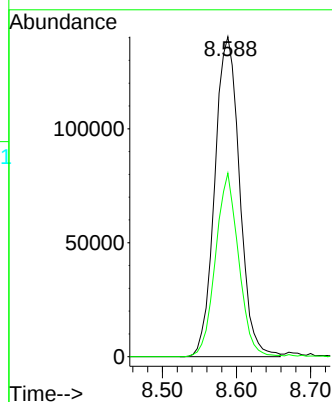
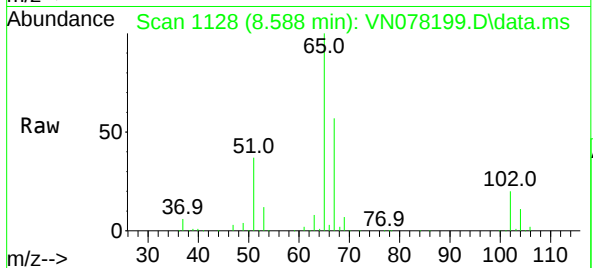
GWOW-BR-05-84-104-061323

Tgt Ion: 65 Resp: 326413

Ion Ratio Lower Upper

65 100

67 53.5 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: VN078199.D

Acq: 14 Jun 2023 12:32

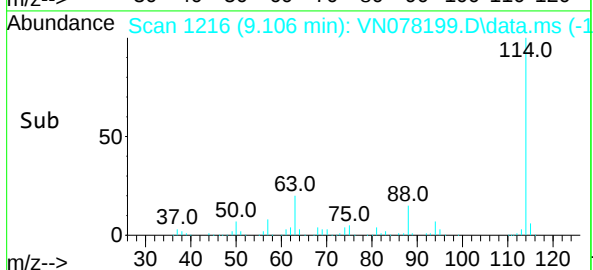
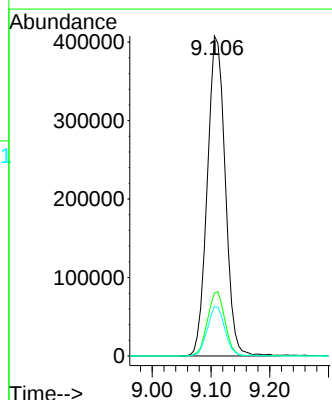
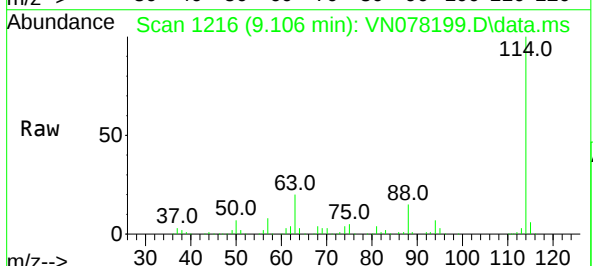
Tgt Ion: 114 Resp: 864952

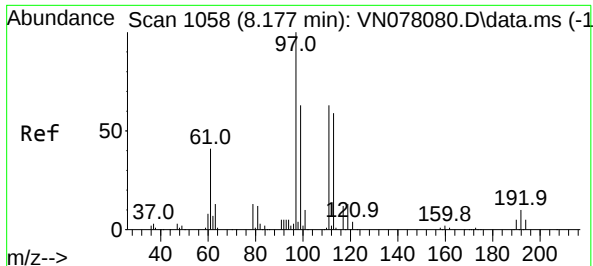
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.718 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

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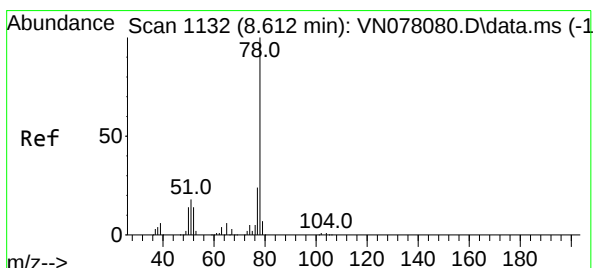
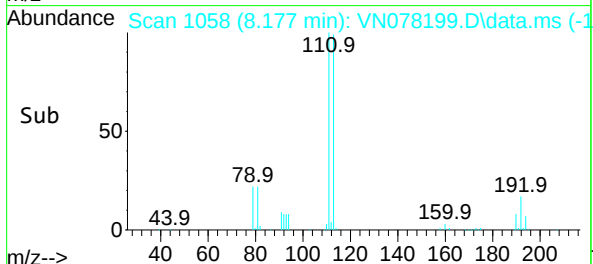
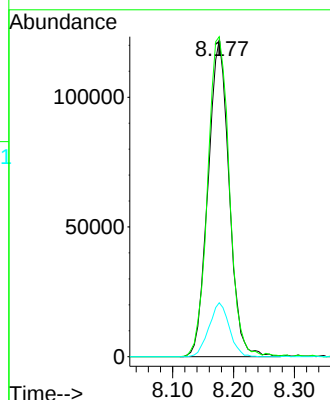
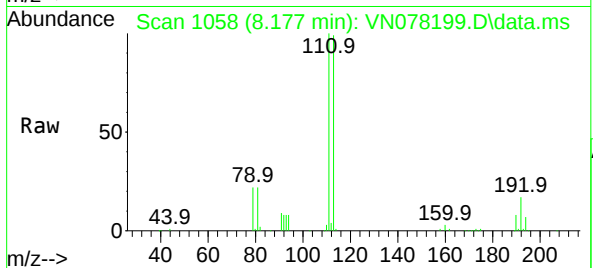
Tgt Ion:113 Resp: 293783

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 16.4 12.7 19.1



#40

Benzene

Concen: 0.250 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN078199.D

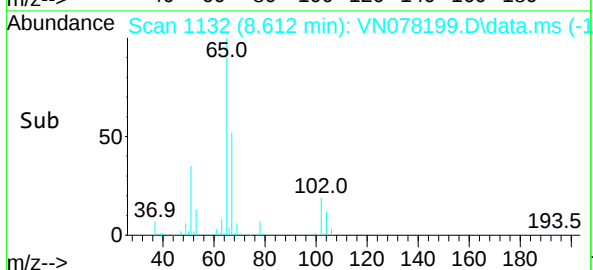
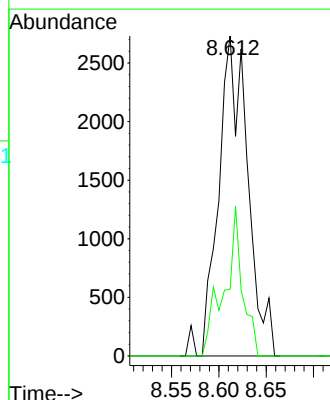
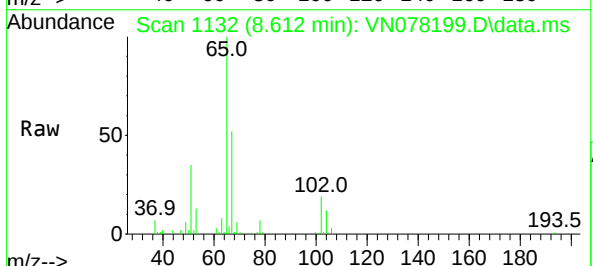
Acq: 14 Jun 2023 12:32

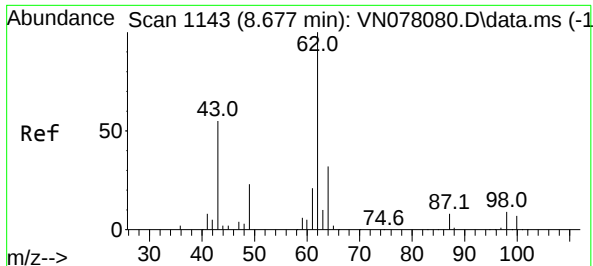
Tgt Ion: 78 Resp: 5856

Ion Ratio Lower Upper

78 100

77 20.9 19.0 28.6





#42

1,2-Dichloroethane

Concen: 4.862 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

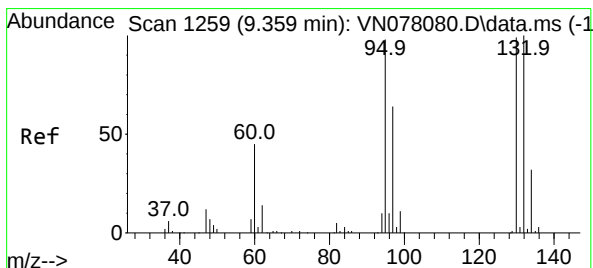
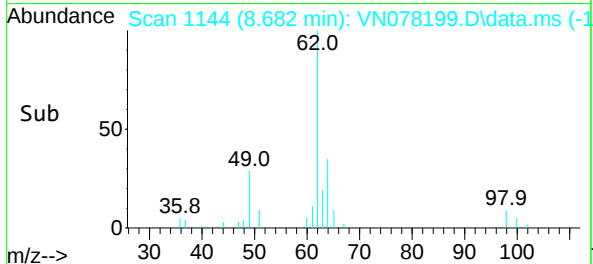
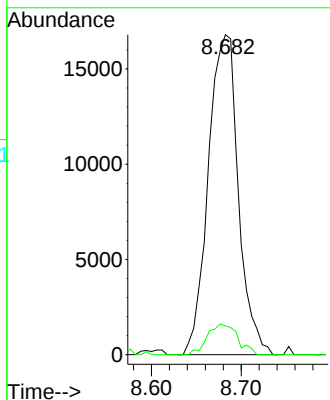
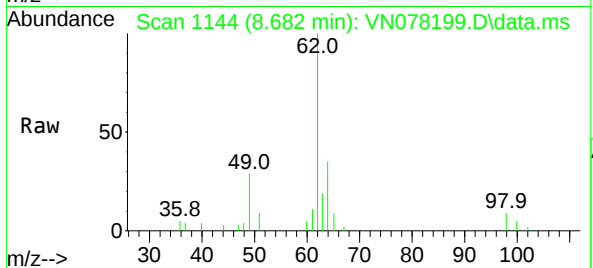
GWOW-BR-05-84-104-061323

Tgt Ion: 62 Resp: 39041

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.8



#44

Trichloroethene

Concen: 63.195 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078199.D

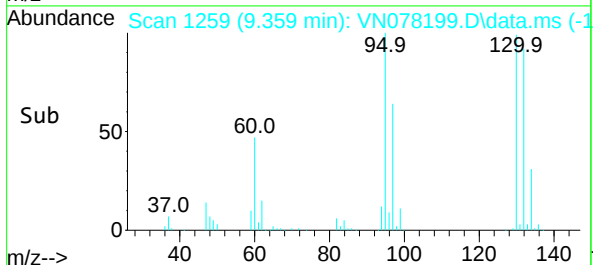
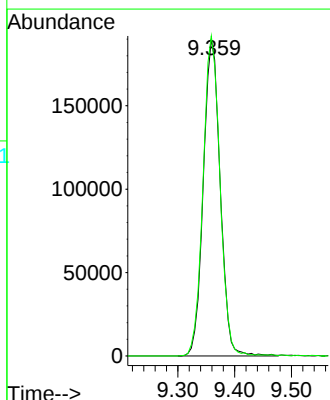
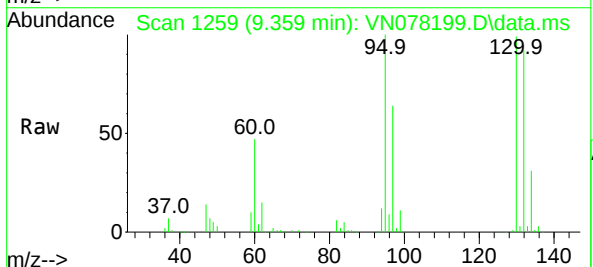
Acq: 14 Jun 2023 12:32

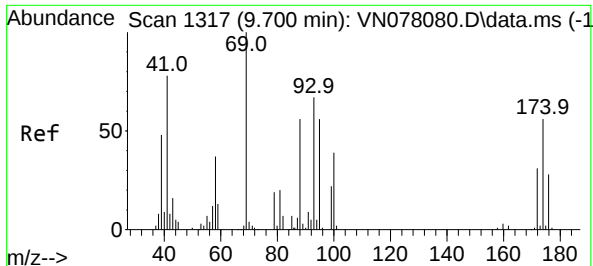
Tgt Ion:130 Resp: 390850

Ion Ratio Lower Upper

130 100

95 101.0 0.0 204.6





#49

1,4-Dioxane

Concen: 78.251 ug/l

RT: 9.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

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GWOW-BR-05-84-104-061323

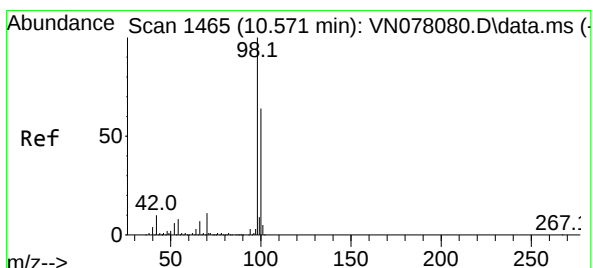
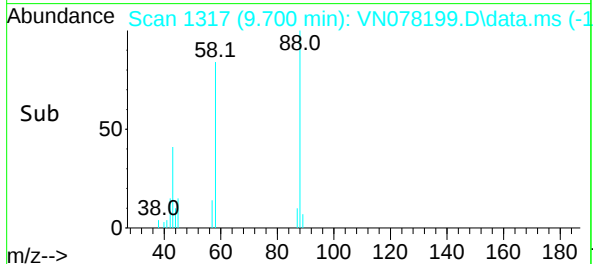
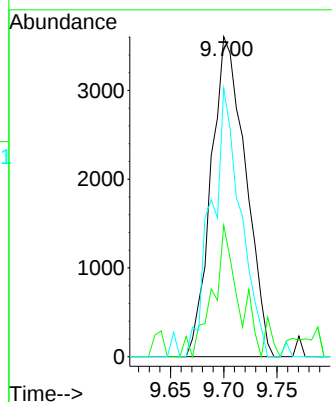
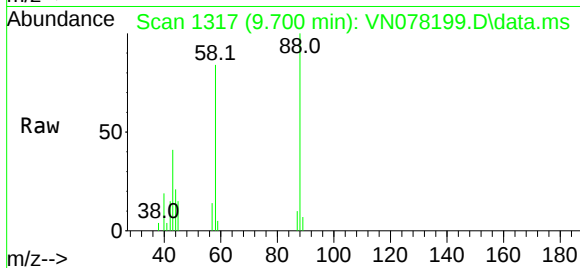
Tgt Ion: 88 Resp: 8089

Ion Ratio Lower Upper

88 100

43 30.5 17.0 25.6#

58 71.6 47.0 70.4#



#50

Toluene-d8

Concen: 49.075 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078199.D

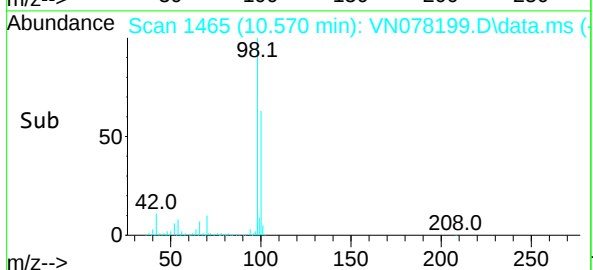
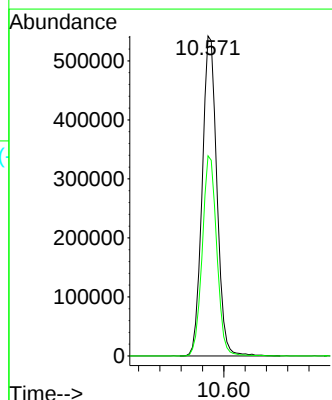
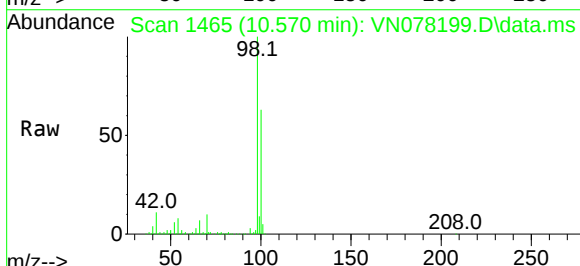
Acq: 14 Jun 2023 12:32

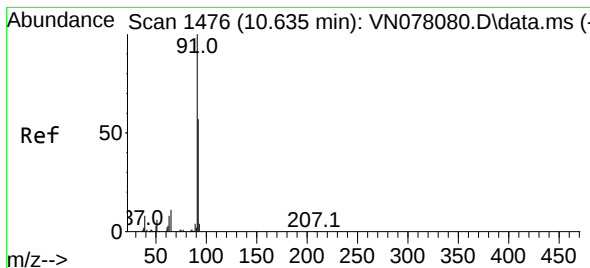
Tgt Ion: 98 Resp: 1034661

Ion Ratio Lower Upper

98 100

100 61.9 52.0 78.0





#52

Toluene

Concen: 0.748 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

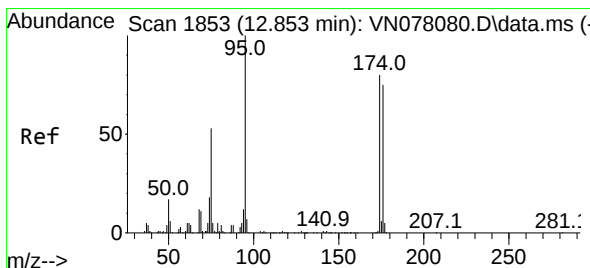
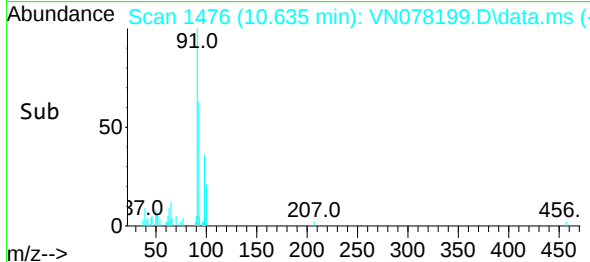
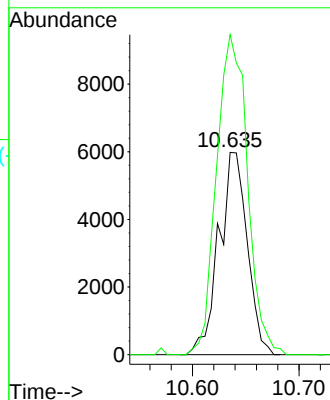
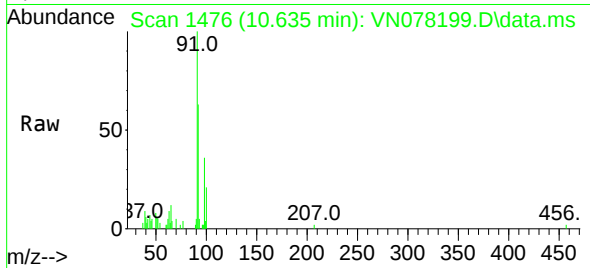
GWOW-BR-05-84-104-061323

Tgt Ion: 92 Resp: 11060

Ion Ratio Lower Upper

92 100

91 172.7 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 46.010 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078199.D

Acq: 14 Jun 2023 12:32

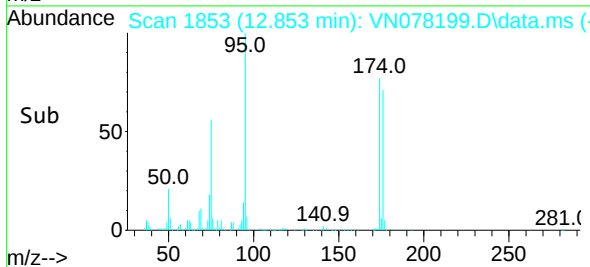
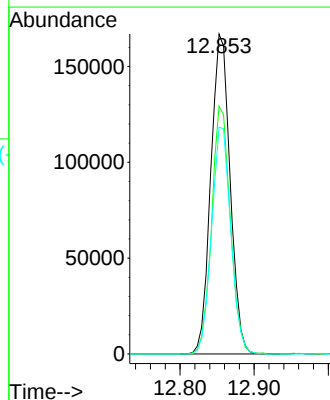
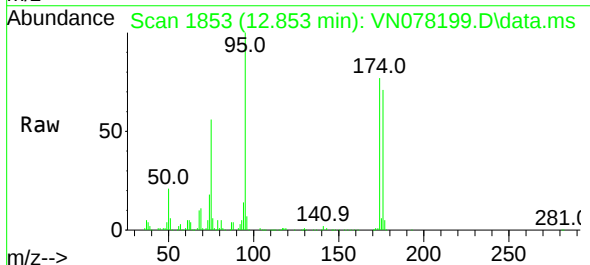
Tgt Ion: 95 Resp: 301564

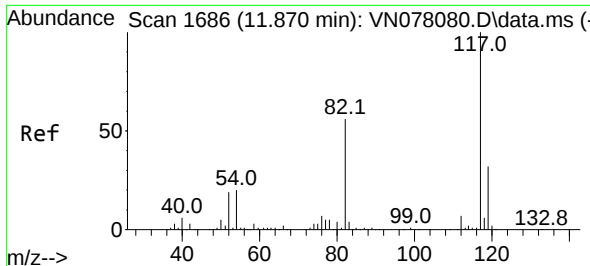
Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.8

176 70.8 0.0 135.8

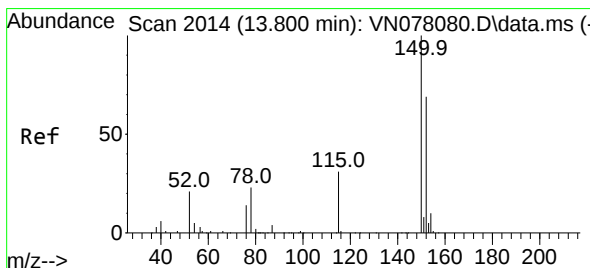
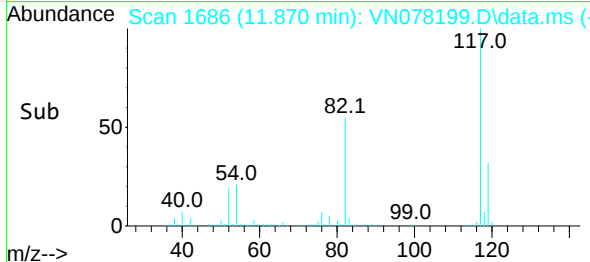
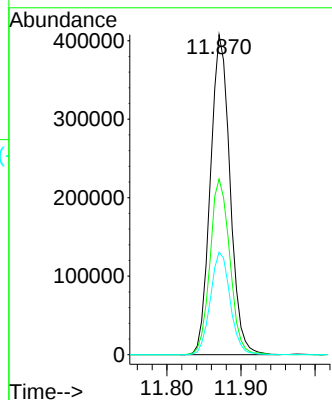
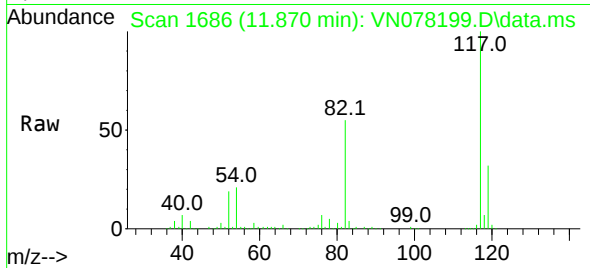




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078199.D
Acq: 14 Jun 2023 12:32

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

Tgt Ion:117 Resp: 749395
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 32.1 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: VN078199.D
Acq: 14 Jun 2023 12:32

Tgt Ion:152 Resp: 220240
Ion Ratio Lower Upper
152 100
115 63.6 32.3 96.8
150 160.4 0.0 355.8

