

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078354.D
 Acq On : 22 Jun 2023 16:52
 Operator : JC\MD
 Sample : 03378-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 23 08:03:14 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)

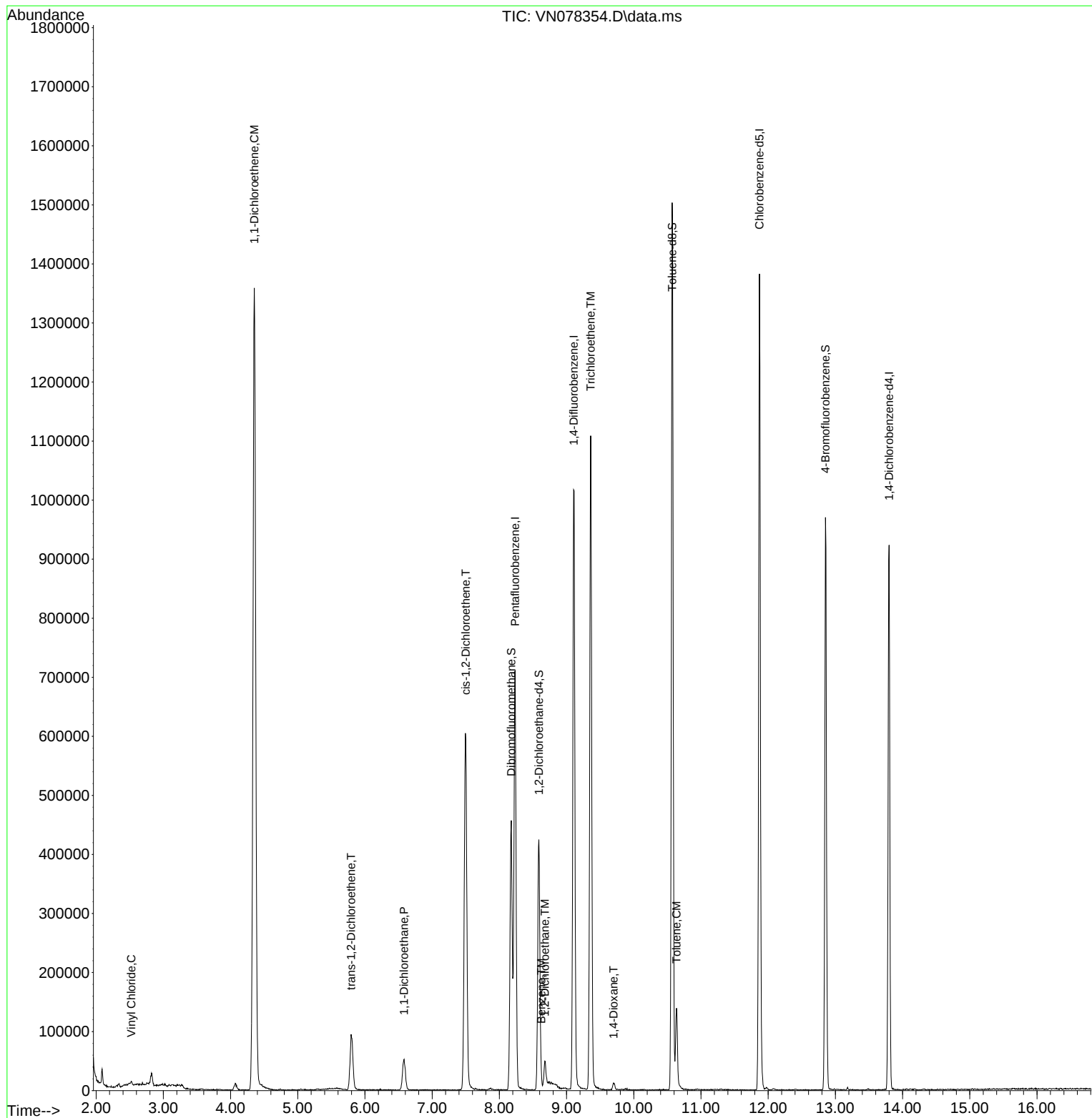
Internal Standards						
1) Pentafluorobenzene	8.235	168	506344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	933534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	823462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	257958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	344632	51.048	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.100%	
35) Dibromofluoromethane	8.177	113	323626	54.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.660%	
50) Toluene-d8	10.571	98	1084495	47.659	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.320%	
62) 4-Bromofluorobenzene	12.853	95	341301	48.247	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.500%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.524	62	5394	0.720	ug/l	90
12) 1,1-Dichloroethene	4.353	96	815514	147.490	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	60304	10.112	ug/l	91
24) 1,1-Dichloroethane	6.583	63	74233	7.088	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	384312	54.025	ug/l	95
40) Benzene	8.624	78	7843	0.310	ug/l	94
42) 1,2-Dichloroethane	8.677	62	43183	4.983	ug/l	99
44) Trichloroethene	9.359	130	397310	59.520	ug/l	94
49) 1,4-Dioxane	9.700	88	10234	91.728	ug/l #	93
52) Toluene	10.635	92	56299	3.528	ug/l	88

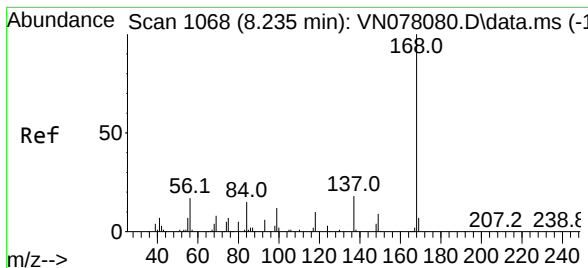
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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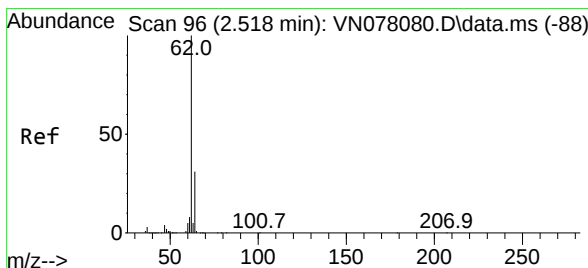
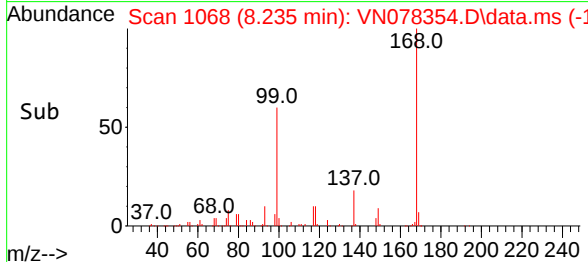
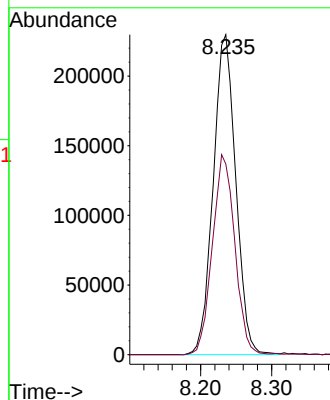
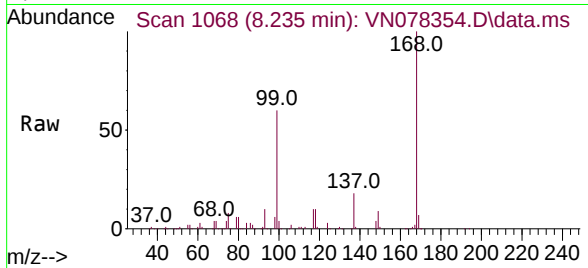




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

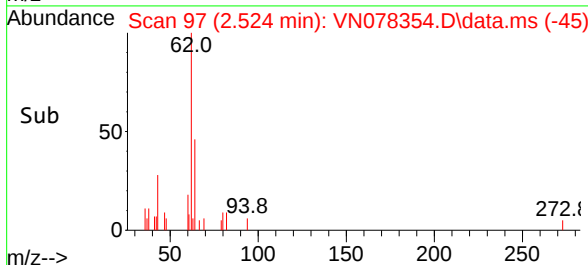
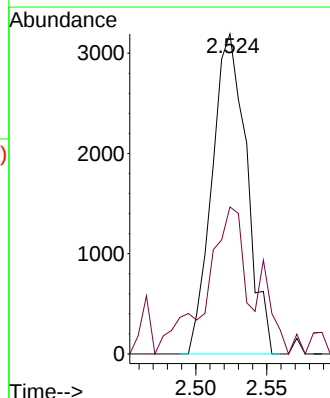
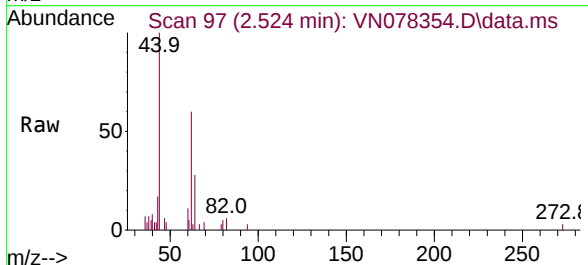
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123

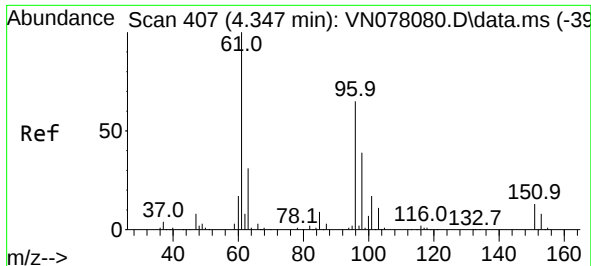
Tgt Ion:168 Resp: 506344
Ion Ratio Lower Upper
168 100
99 59.6 53.0 79.6



#4
Vinyl Chloride
Concen: 0.720 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

Tgt Ion: 62 Resp: 5394
Ion Ratio Lower Upper
62 100
64 38.4 26.2 39.2

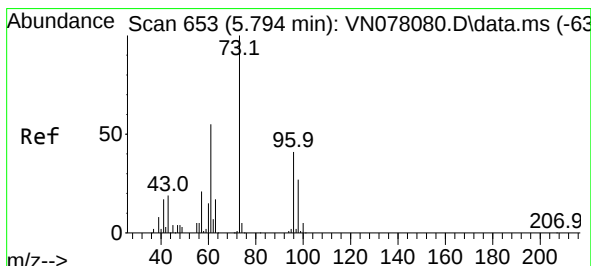
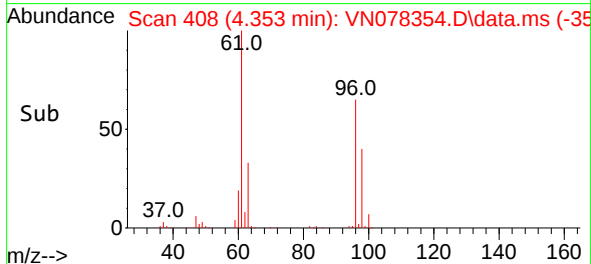
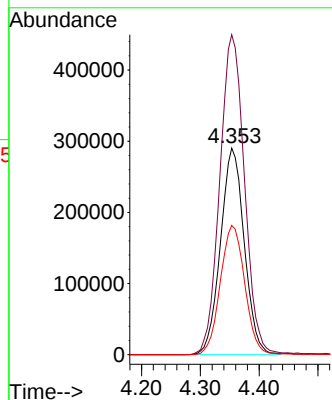
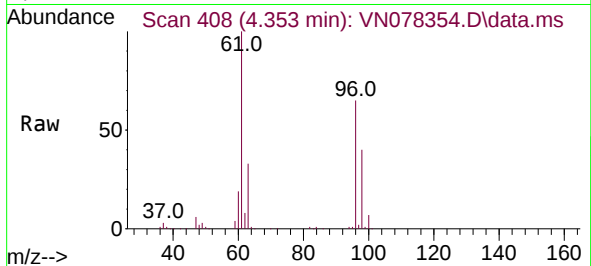




#12
1,1-Dichloroethene
Concen: 147.490 ug/l
RT: 4.353 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

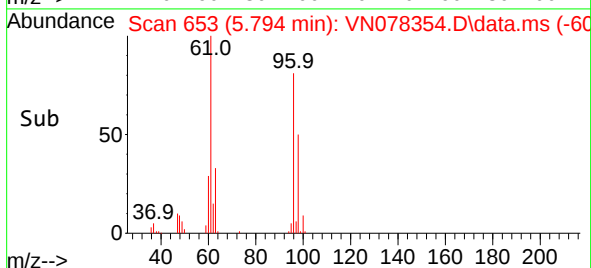
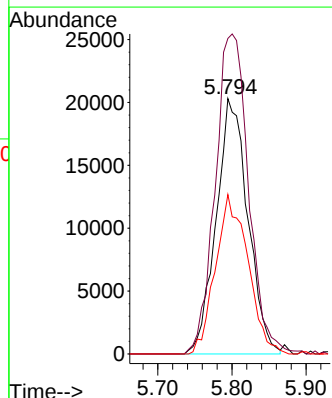
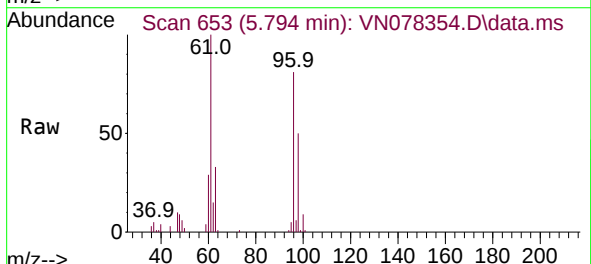
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123

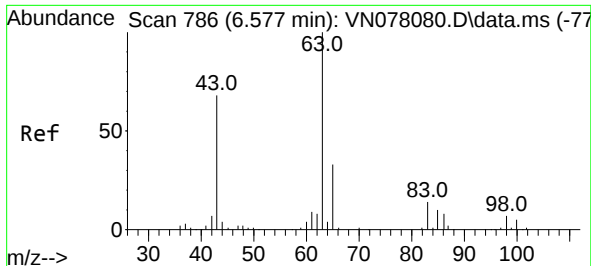
Tgt Ion: 96 Resp: 815514
Ion Ratio Lower Upper
96 100
61 154.9 112.7 169.1
98 62.6 51.2 76.8



#21
trans-1,2-Dichloroethene
Concen: 10.112 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

Tgt Ion: 96 Resp: 60304
Ion Ratio Lower Upper
96 100
61 123.6 90.1 135.1
98 62.4 46.4 69.6

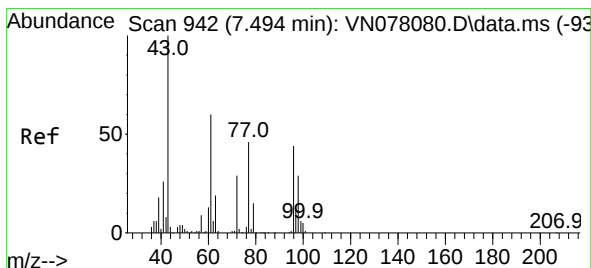
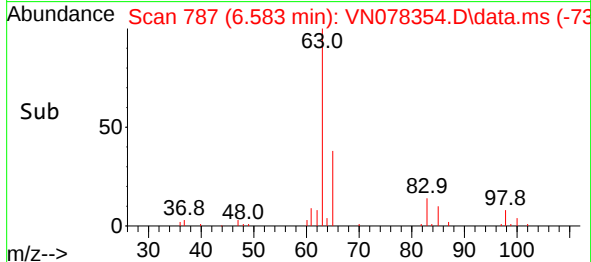
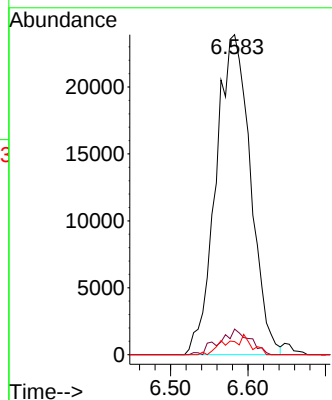
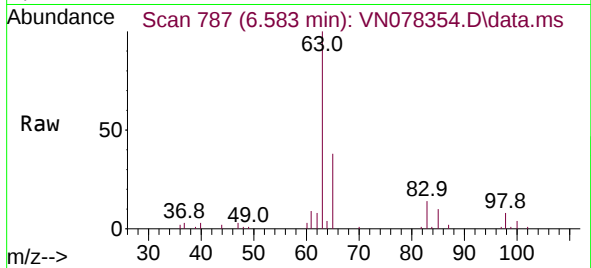




#24
1,1-Dichloroethane
Concen: 7.088 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

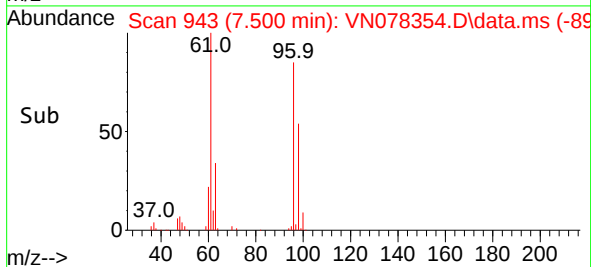
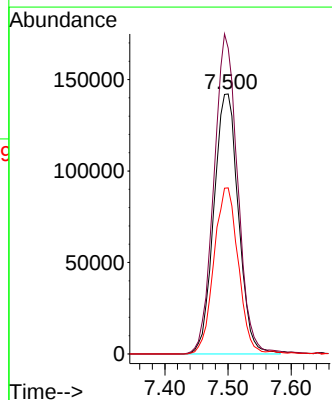
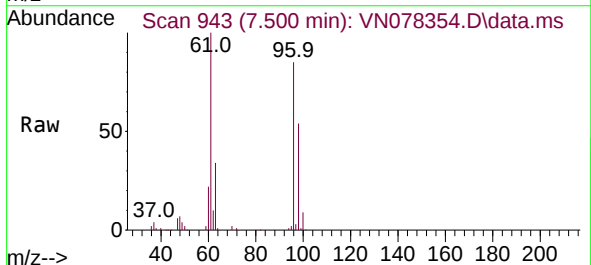
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123

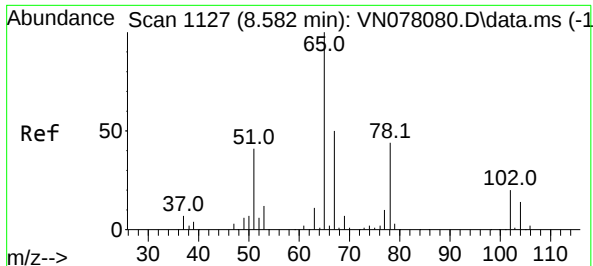
Tgt Ion: 63 Resp: 74233
Ion Ratio Lower Upper
63 100
98 8.0 3.9 11.7
100 4.1 2.5 7.4



#27
cis-1,2-Dichloroethene
Concen: 54.025 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

Tgt Ion: 96 Resp: 384312
Ion Ratio Lower Upper
96 100
61 119.6 0.0 255.2
98 63.2 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 51.048 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078354.D

Acq: 22 Jun 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

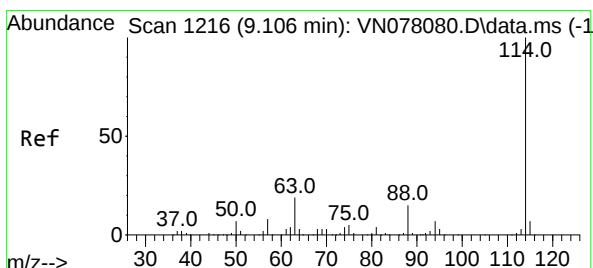
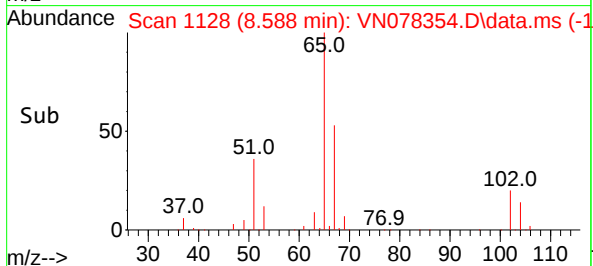
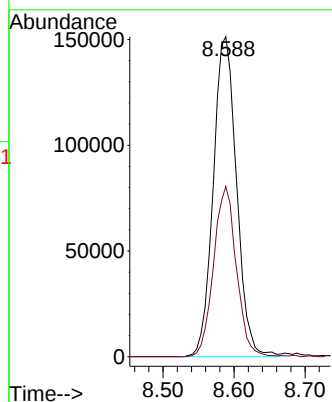
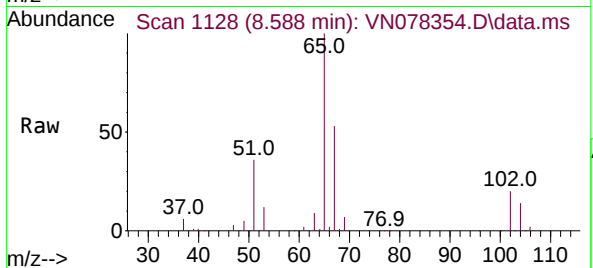
GWOW-BR-05-345-365-062123

Tgt Ion: 65 Resp: 344632

Ion Ratio Lower Upper

65 100

67 51.8 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: VN078354.D

Acq: 22 Jun 2023 16:52

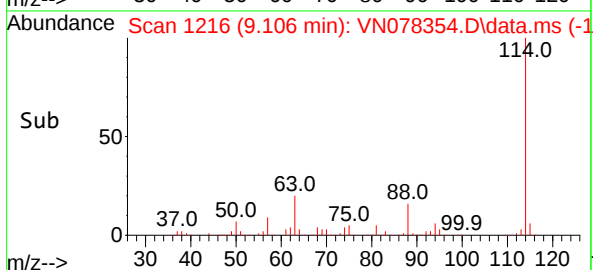
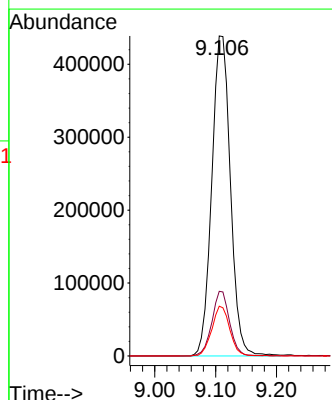
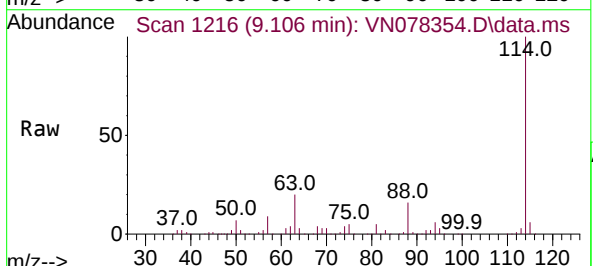
Tgt Ion: 114 Resp: 933534

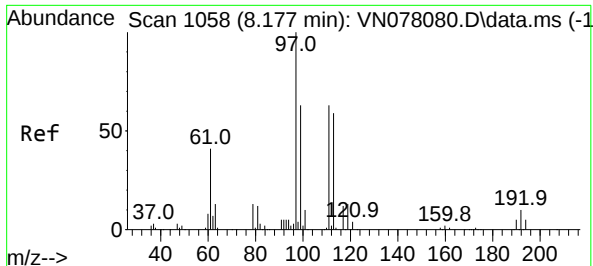
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.828 ug/l

RT: 8.177 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN078354.D

Acq: 22 Jun 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-345-365-062123

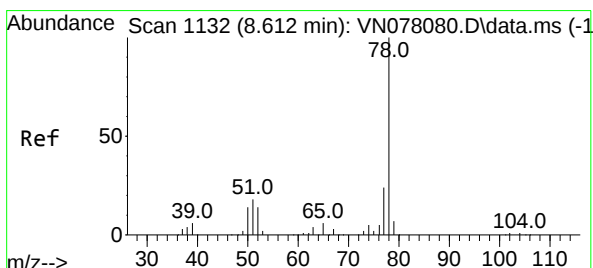
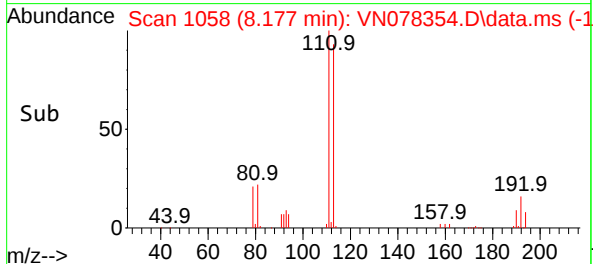
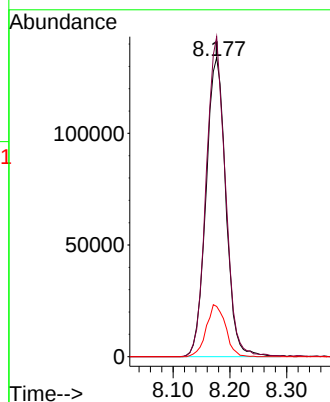
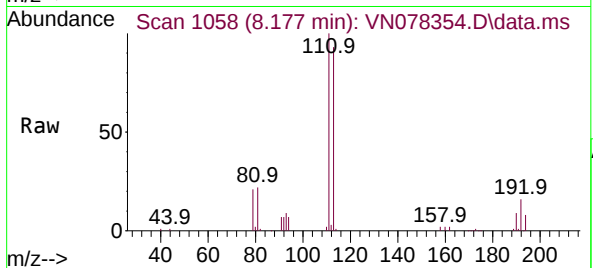
Tgt Ion:113 Resp: 323626

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 16.9 12.7 19.1



#40

Benzene

Concen: 0.310 ug/l

RT: 8.624 min Scan# 1134

Delta R.T. 0.012 min

Lab File: VN078354.D

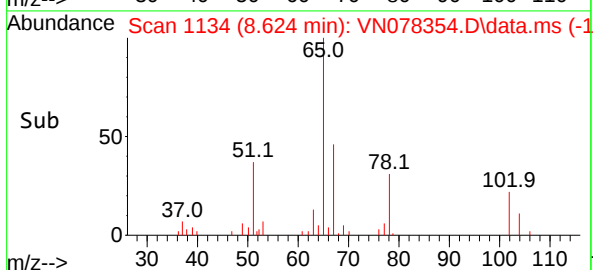
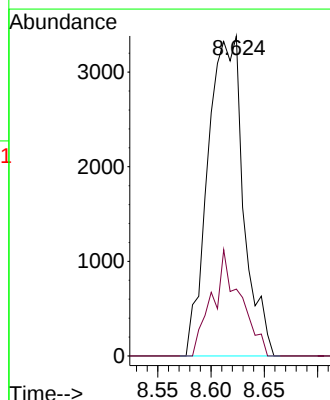
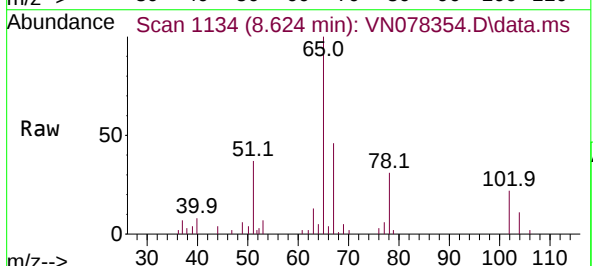
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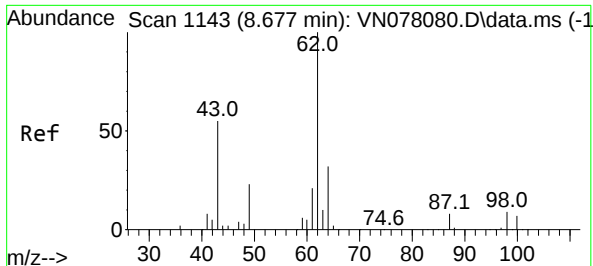
Tgt Ion: 78 Resp: 7843

Ion Ratio Lower Upper

78 100

77 20.9 19.0 28.6





#42

1,2-Dichloroethane

Concen: 4.983 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VN078354.D

Acq: 22 Jun 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :

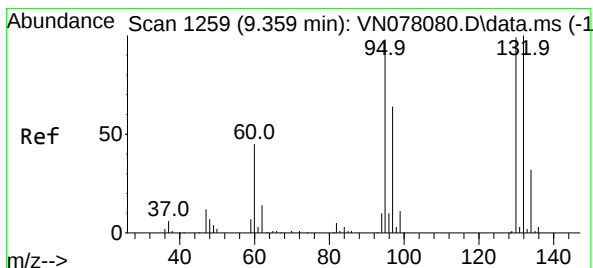
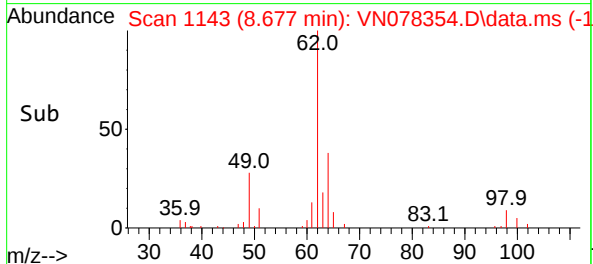
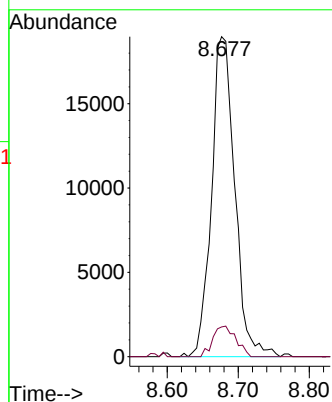
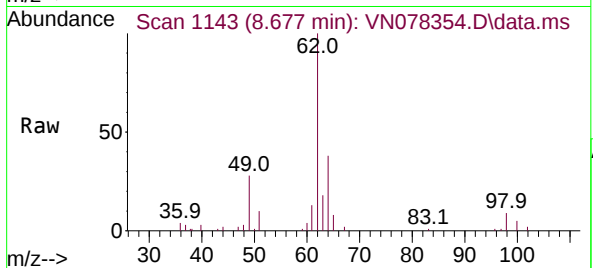
GWOW-BR-05-345-365-062123

Tgt Ion: 62 Resp: 43183

Ion Ratio Lower Upper

62 100

98 9.5 0.0 19.8



#44

Trichloroethene

Concen: 59.520 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078354.D

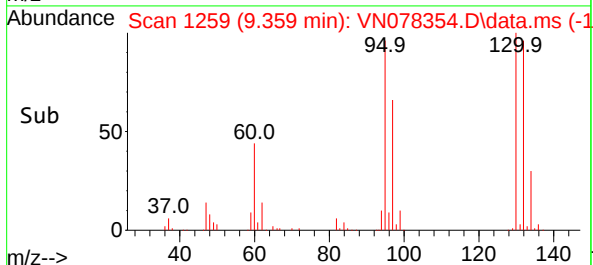
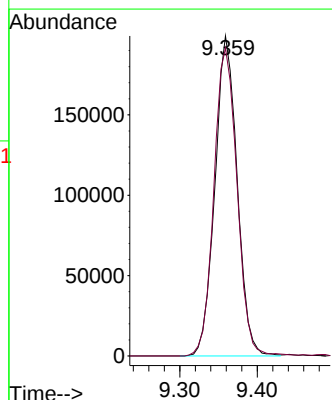
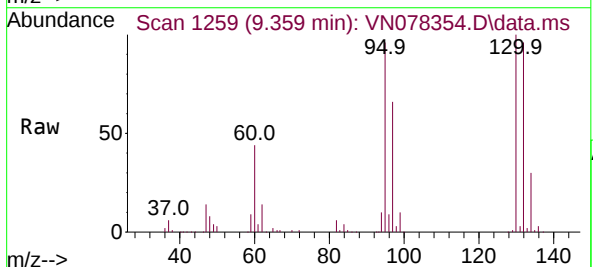
Acq: 22 Jun 2023 16:52

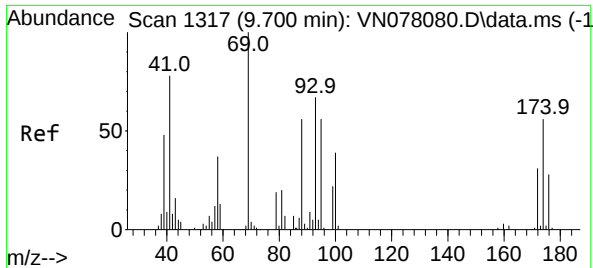
Tgt Ion: 130 Resp: 397310

Ion Ratio Lower Upper

130 100

95 96.3 0.0 204.6





#49

1,4-Dioxane

Concen: 91.728 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078354.D

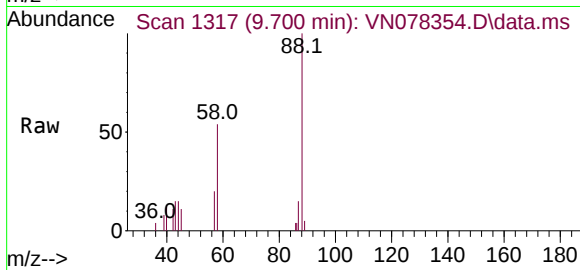
Acq: 22 Jun 2023 16:52

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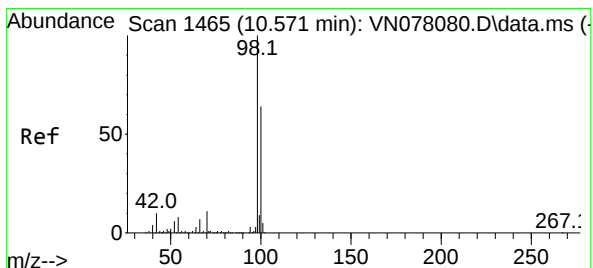
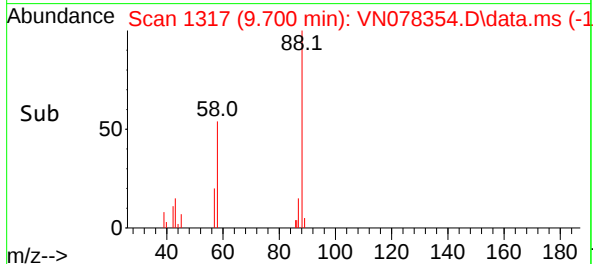
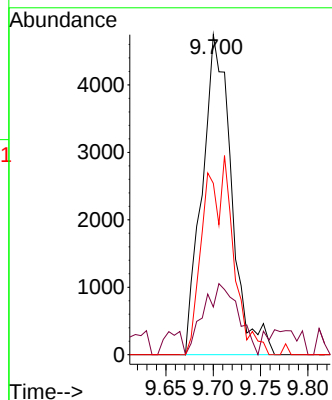
MSVOA_N

ClientSampleId :

GWOW-BR-05-345-365-062123



Tgt Ion:	88	Resp:	10234
Ion	Ratio	Lower	Upper
88	100		
43	26.0	17.0	25.6#
58	62.7	47.0	70.4



#50

Toluene-d8

Concen: 47.659 ug/l

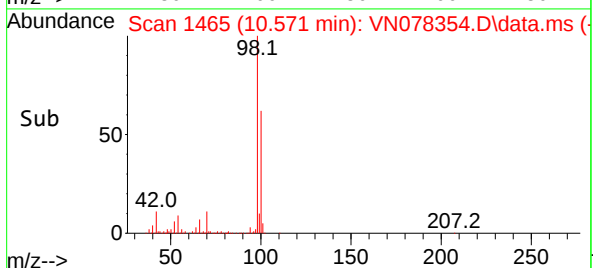
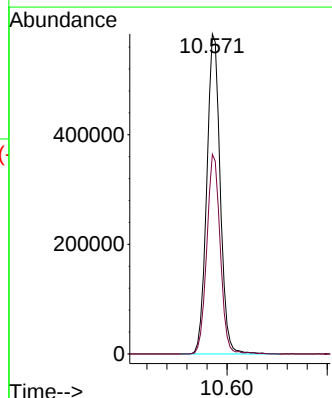
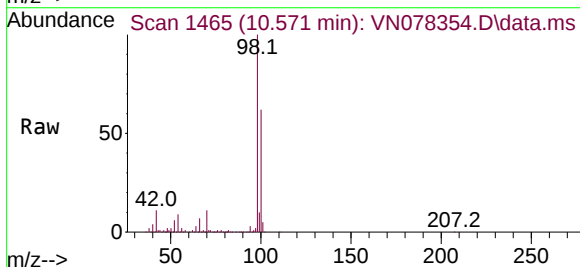
RT: 10.571 min Scan# 1465

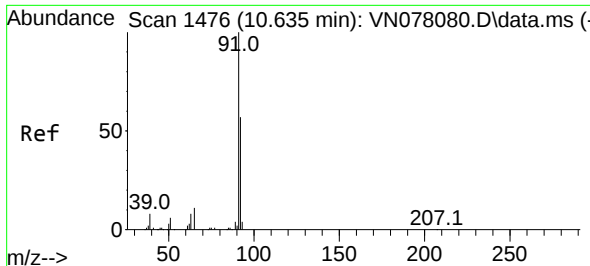
Delta R.T. 0.000 min

Lab File: VN078354.D

Acq: 22 Jun 2023 16:52

Tgt Ion:	98	Resp:	1084495
Ion	Ratio	Lower	Upper
98	100		
100	62.5	52.0	78.0

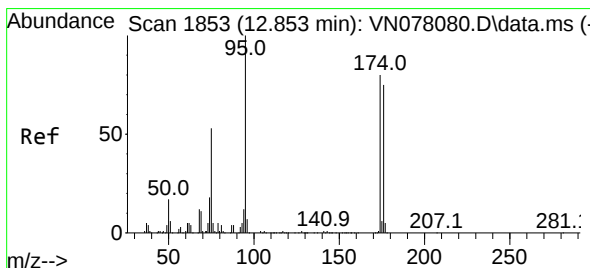
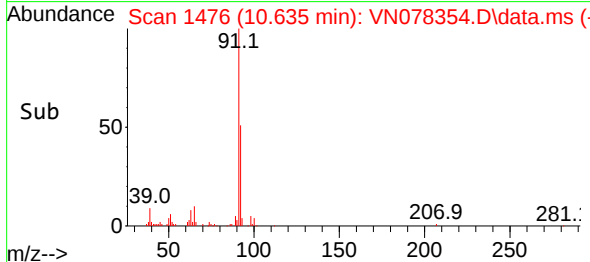
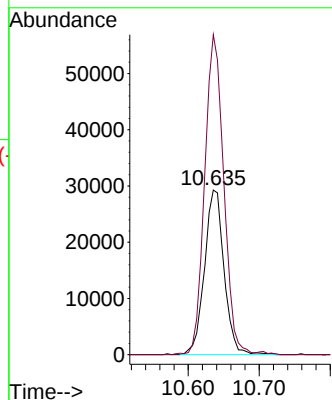
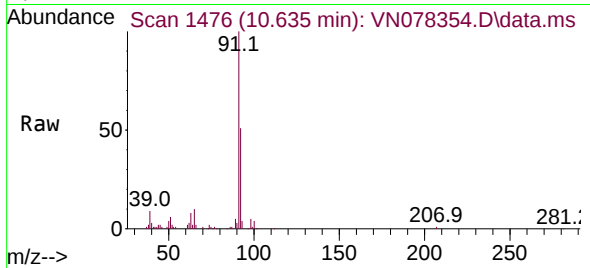




#52
Toluene
Concen: 3.528 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

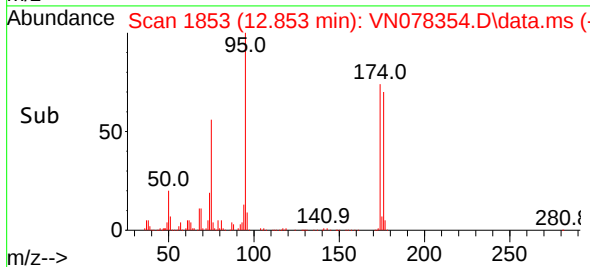
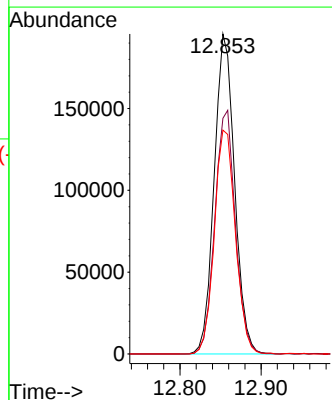
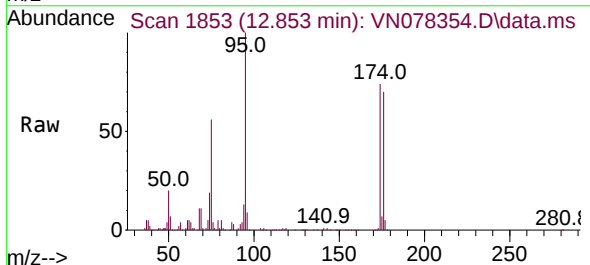
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-345-365-062123

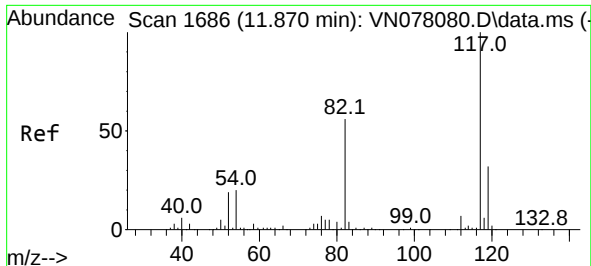
Tgt Ion: 92 Resp: 56299
Ion Ratio Lower Upper
92 100
91 188.8 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 48.247 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

Tgt Ion: 95 Resp: 341301
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 72.4 0.0 135.8

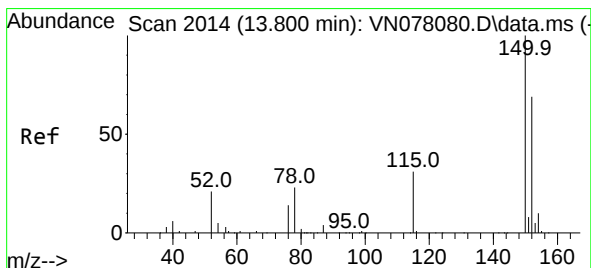
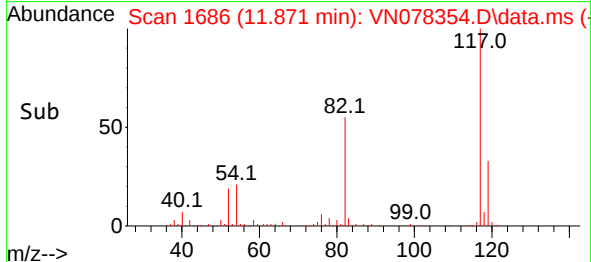
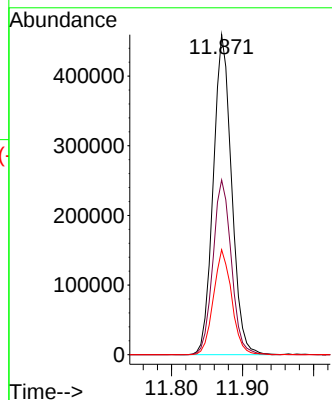
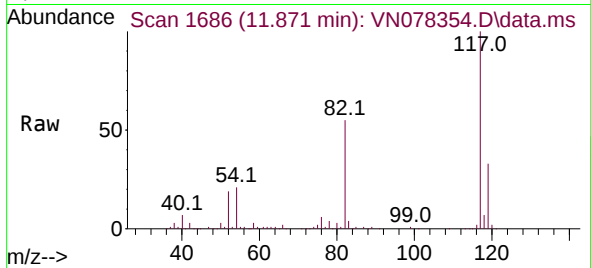




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

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

Tgt Ion:117 Resp: 823462
Ion Ratio Lower Upper
117 100
82 54.6 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# 2014
Delta R.T. 0.000 min
Lab File: VN078354.D
Acq: 22 Jun 2023 16:52

Tgt Ion:152 Resp: 257958
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 155.5 0.0 355.8

