

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078304.D
 Acq On : 20 Jun 2023 13:00
 Operator : JC\MD
 Sample : 03338-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-248-268-061923

Quant Time: Jun 21 05:45:25 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)

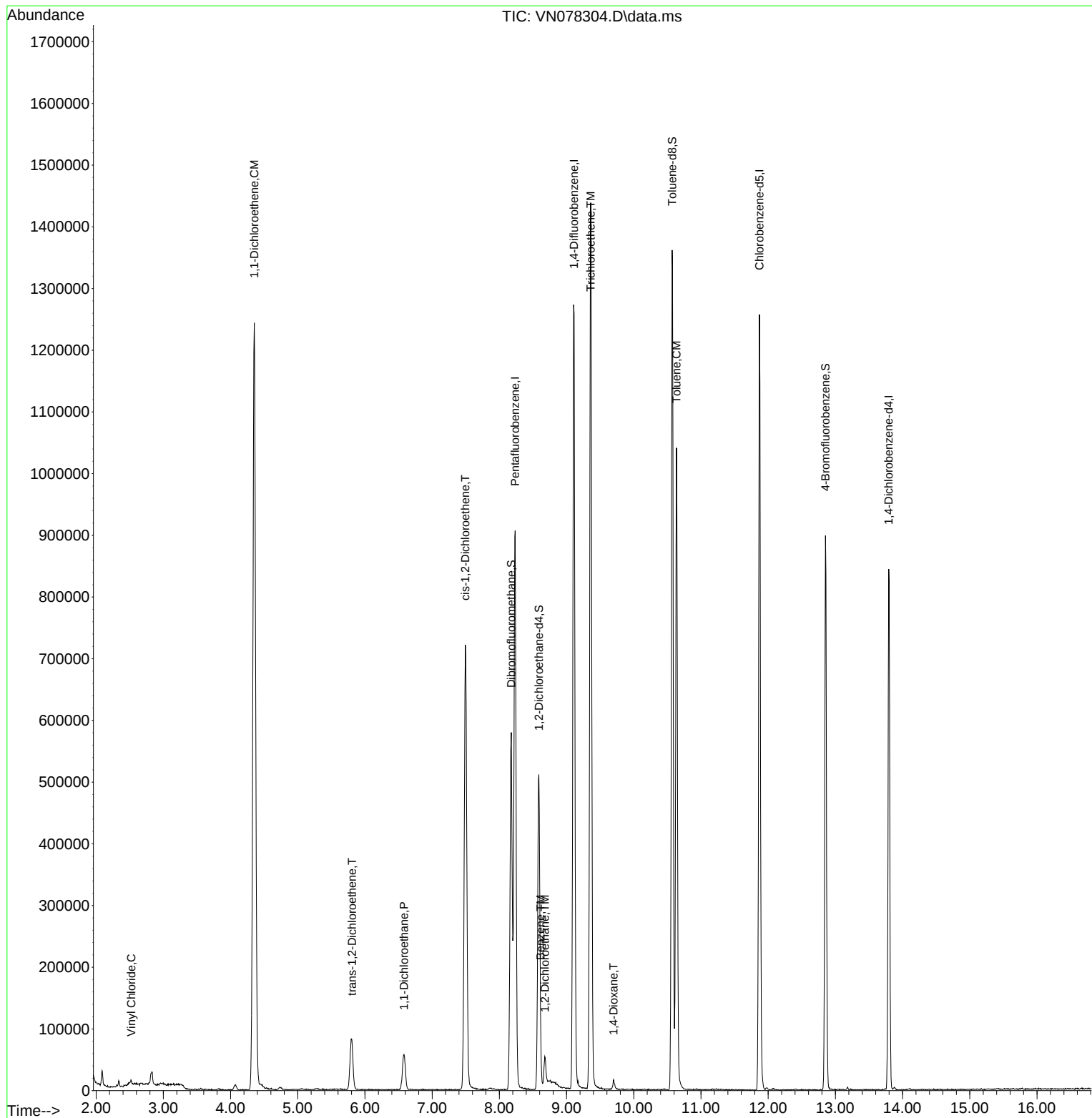
Internal Standards						
1) Pentafluorobenzene	8.235	168	684632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1161140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	744157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	418103	45.803	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.600%
35) Dibromofluoromethane	8.177	113	409597	55.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.580%
50) Toluene-d8	10.571	98	990621	35.000	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	70.000%#
62) 4-Bromofluorobenzene	12.853	95	317451	36.079	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	72.160%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.524	62	4935	0.487	ug/l #	80
12) 1,1-Dichloroethene	4.353	96	759646	101.609	ug/l	90
21) trans-1,2-Dichloroethene	5.806	96	55405	6.871	ug/l	94
24) 1,1-Dichloroethane	6.583	63	83306	5.883	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	450782	46.867	ug/l	97
40) Benzene	8.612	78	7360	0.234	ug/l	98
42) 1,2-Dichloroethane	8.677	62	48801	4.527	ug/l	99
44) Trichloroethene	9.359	130	536203	64.582	ug/l	95
49) 1,4-Dioxane	9.700	88	10569	76.162	ug/l #	89
52) Toluene	10.635	92	453674	22.855	ug/l	95

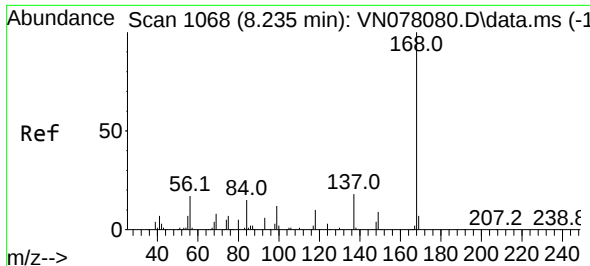
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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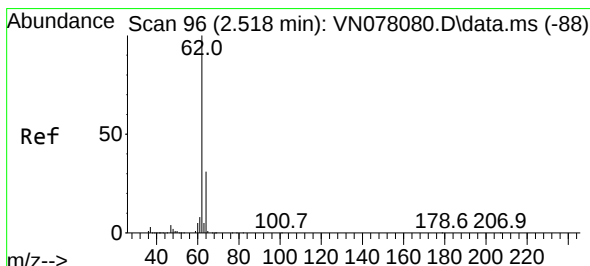
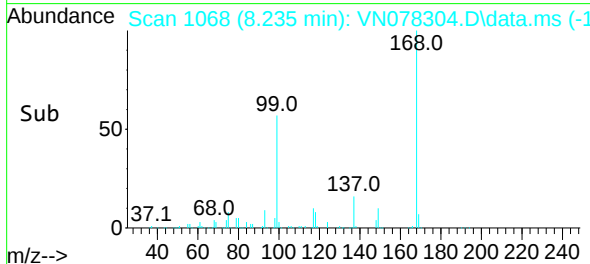
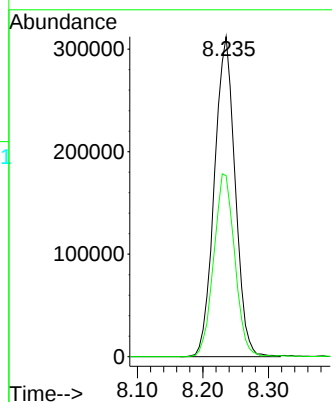
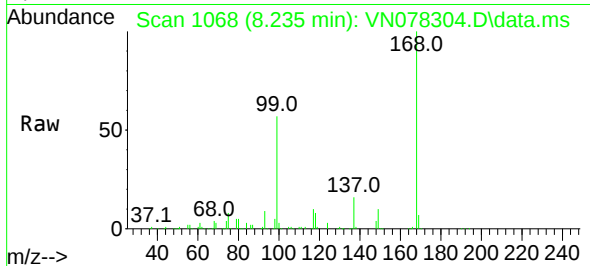




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

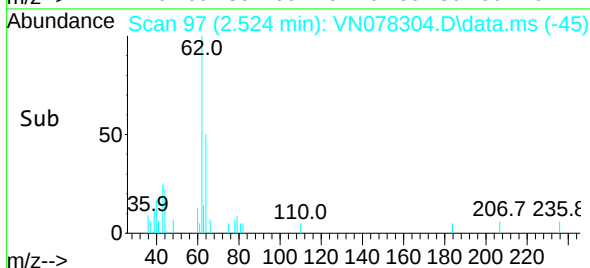
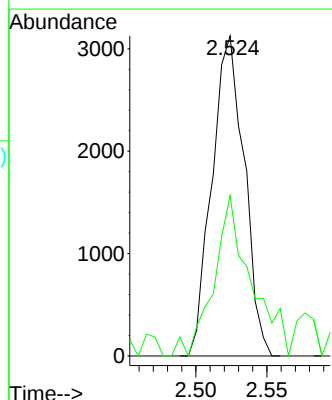
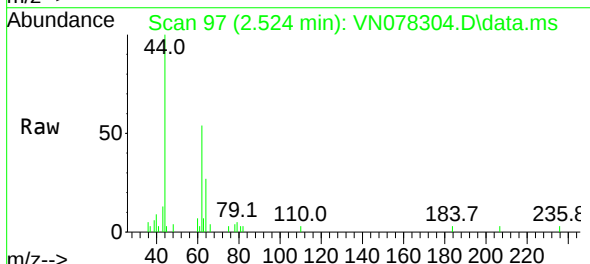
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-248-268-061923

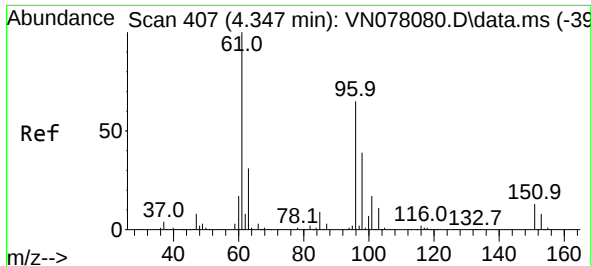
Tgt Ion:168 Resp: 684632
Ion Ratio Lower Upper
168 100
99 56.5 53.0 79.6



#4
Vinyl Chloride
Concen: 0.487 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Tgt Ion: 62 Resp: 4935
Ion Ratio Lower Upper
62 100
64 44.1 26.2 39.2#

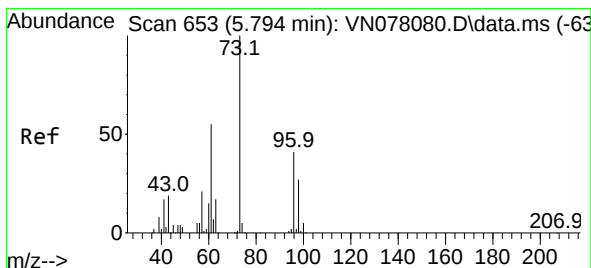
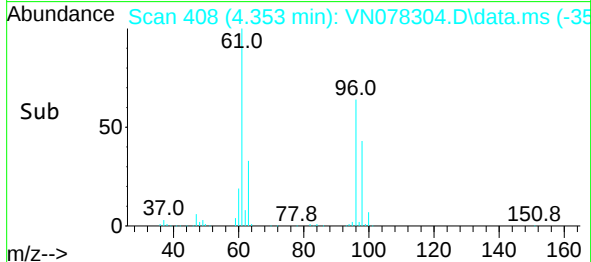
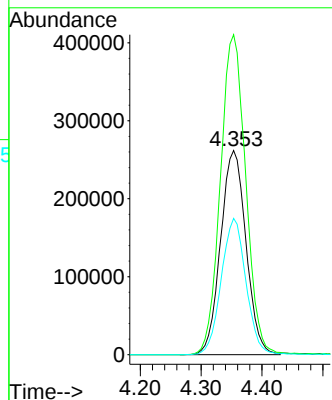
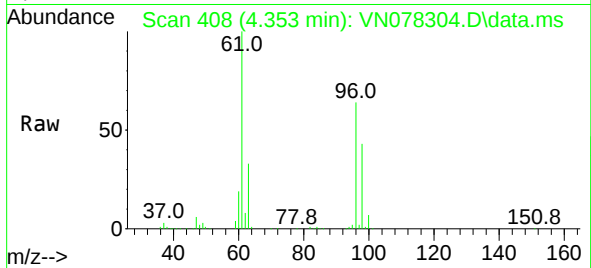




#12
1,1-Dichloroethene
Concen: 101.609 ug/l
RT: 4.353 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

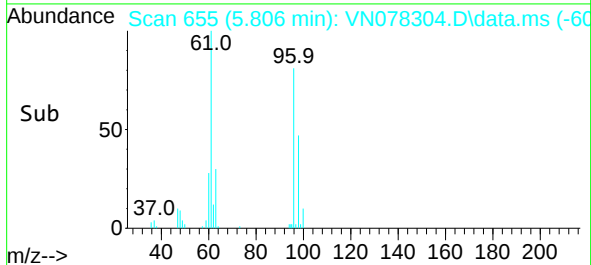
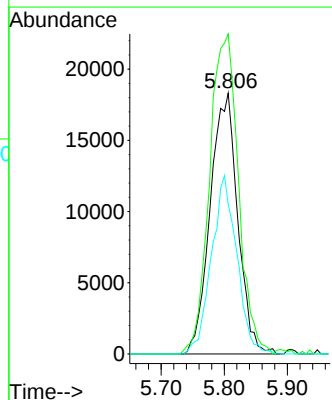
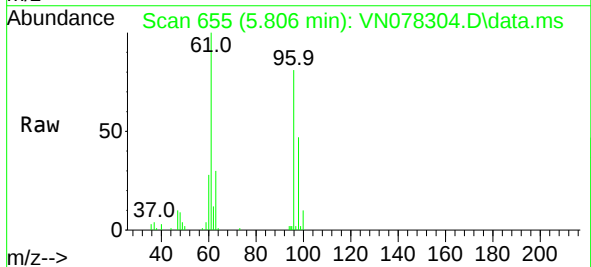
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-248-268-061923

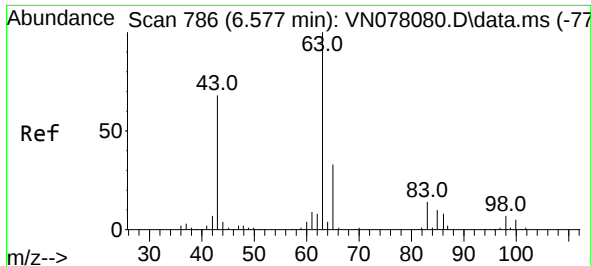
Tgt Ion: 96 Resp: 759646
Ion Ratio Lower Upper
96 100
61 156.7 112.7 169.1
98 66.7 51.2 76.8



#21
trans-1,2-Dichloroethene
Concen: 6.871 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.012 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Tgt Ion: 96 Resp: 55405
Ion Ratio Lower Upper
96 100
61 122.7 90.1 135.1
98 57.5 46.4 69.6

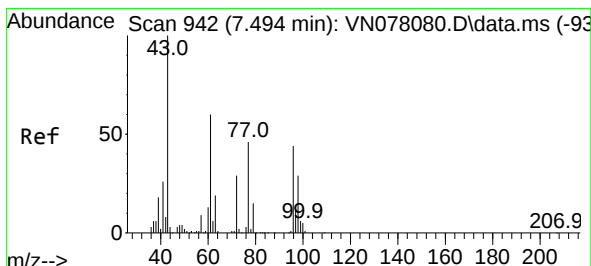
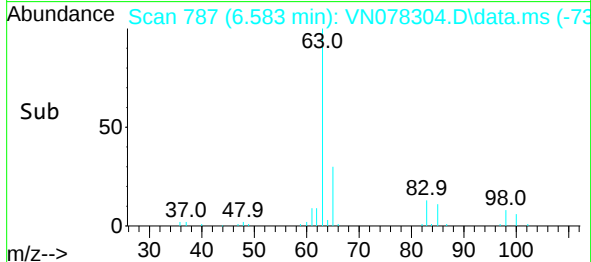
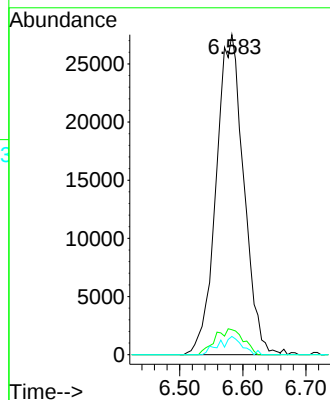
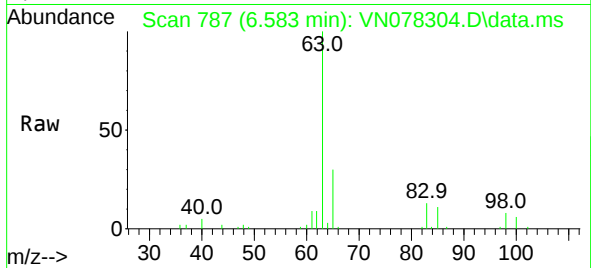




#24
1,1-Dichloroethane
Concen: 5.883 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

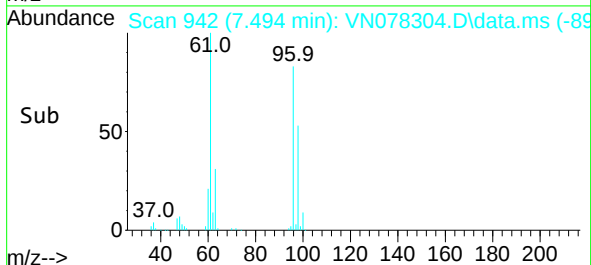
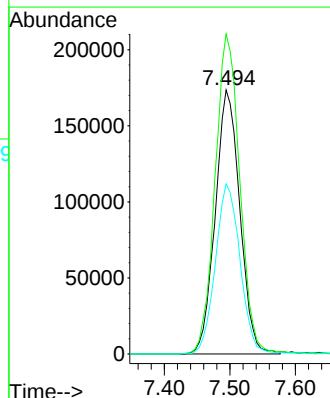
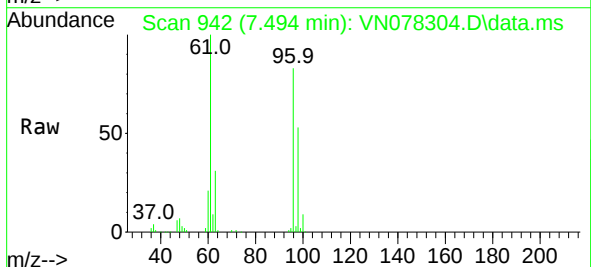
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-248-268-061923

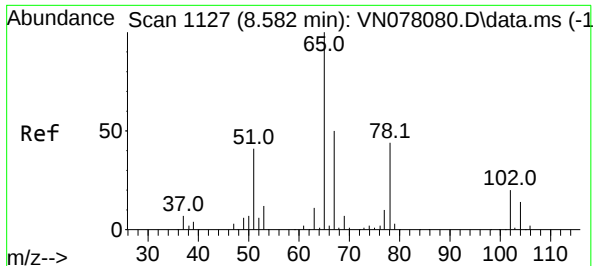
Tgt Ion: 63 Resp: 83306
Ion Ratio Lower Upper
63 100
98 7.8 3.9 11.7
100 5.7 2.5 7.4



#27
cis-1,2-Dichloroethene
Concen: 46.867 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Tgt Ion: 96 Resp: 450782
Ion Ratio Lower Upper
96 100
61 122.5 0.0 255.2
98 65.2 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 45.803 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078304.D

Acq: 20 Jun 2023 13:00

Instrument :

MSVOA_N

ClientSampleId :

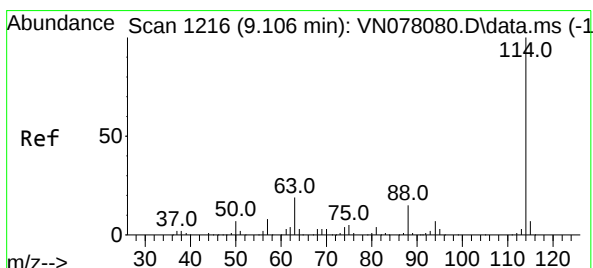
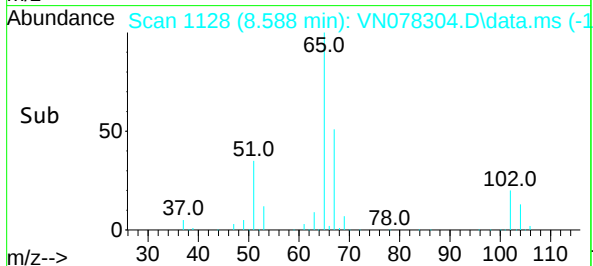
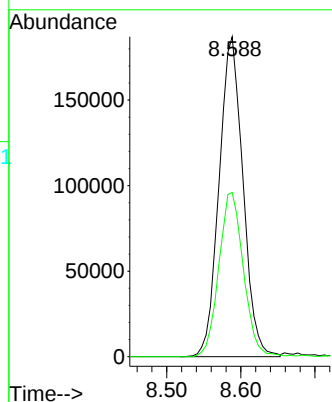
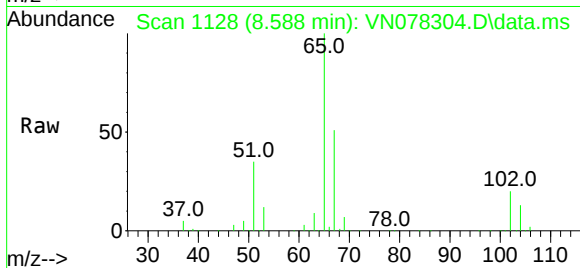
GWOW-BR-05-248-268-061923

Tgt Ion: 65 Resp: 418103

Ion Ratio Lower Upper

65 100

67 52.8 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: VN078304.D

Acq: 20 Jun 2023 13:00

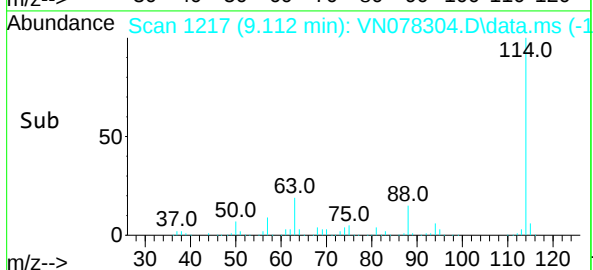
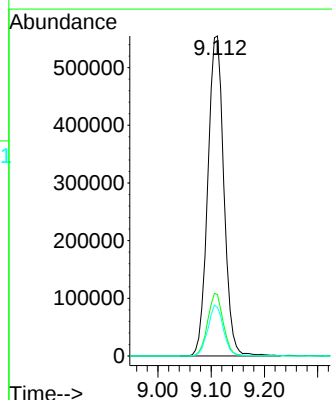
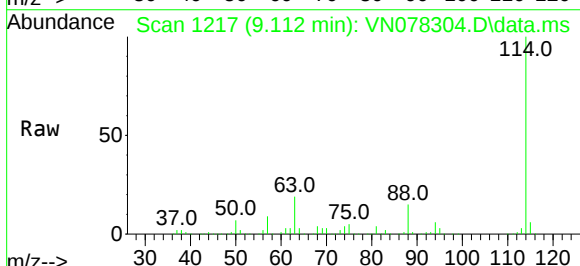
Tgt Ion: 114 Resp: 1161140

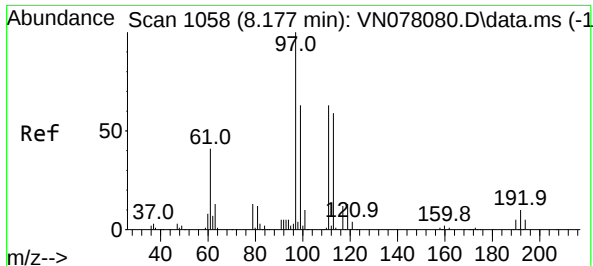
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.790 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078304.D

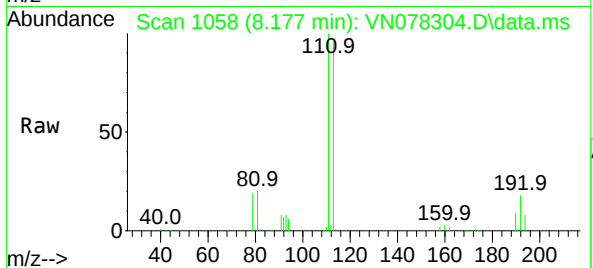
Acq: 20 Jun 2023 13:00

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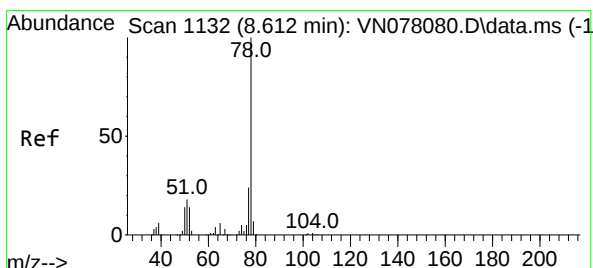
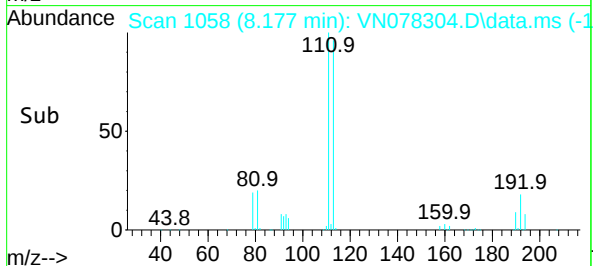
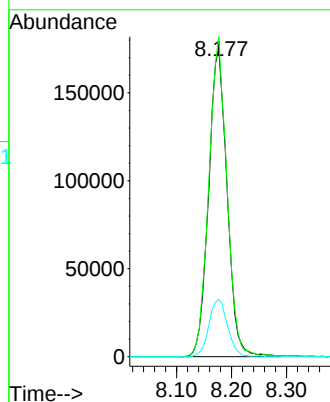
Tgt Ion:113 Resp: 409597

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.8 12.7 19.1



#40

Benzene

Concen: 0.234 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078304.D

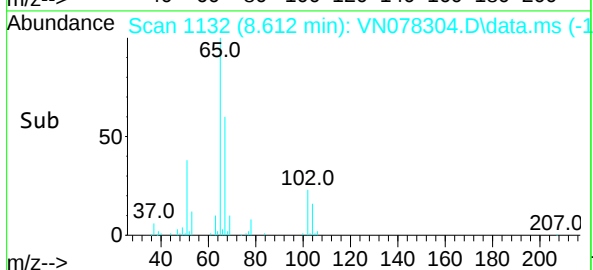
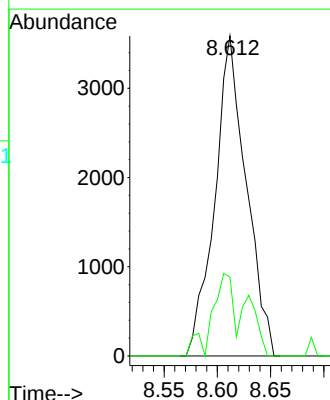
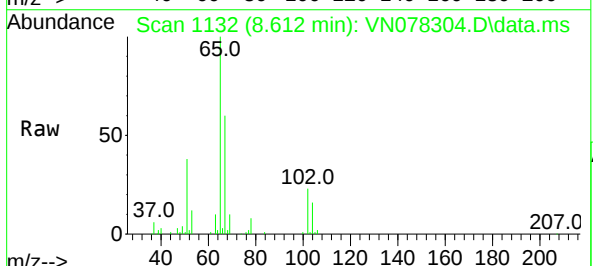
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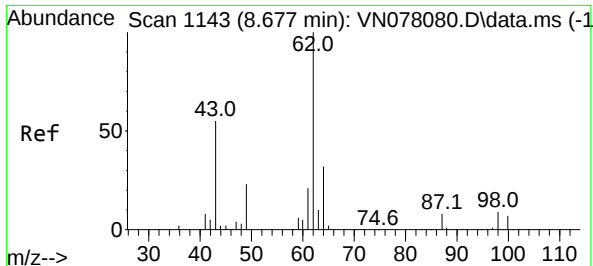
Tgt Ion: 78 Resp: 7360

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.6





#42

1,2-Dichloroethane

Concen: 4.527 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN078304.D

Acq: 20 Jun 2023 13:00

Instrument :

MSVOA_N

ClientSampleId :

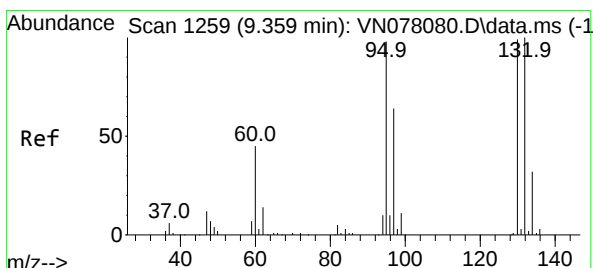
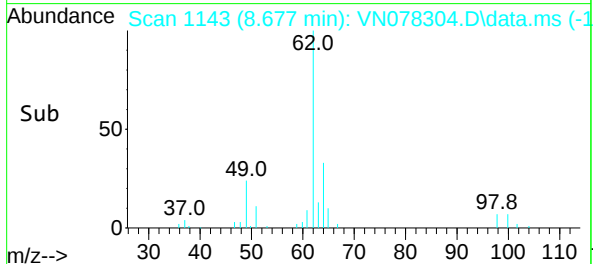
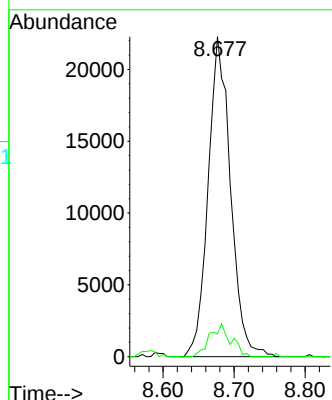
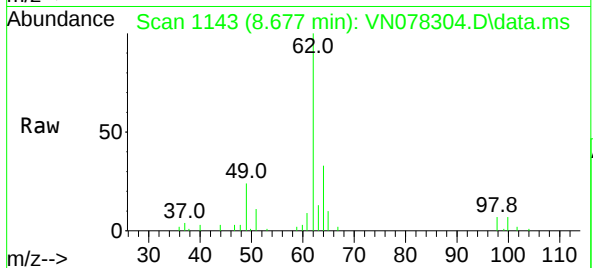
GWOW-BR-05-248-268-061923

Tgt Ion: 62 Resp: 48801

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.8



#44

Trichloroethene

Concen: 64.582 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078304.D

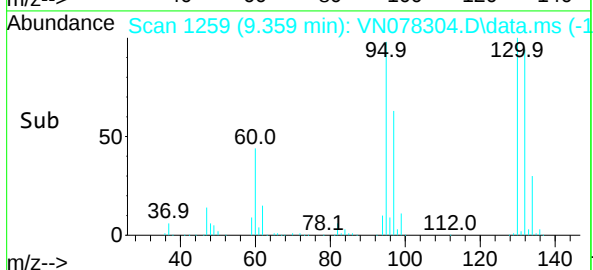
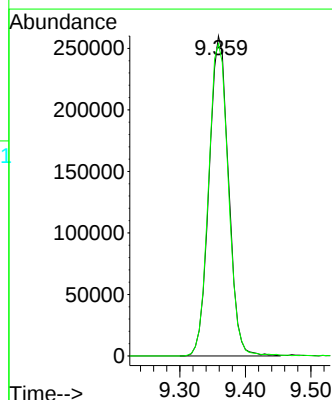
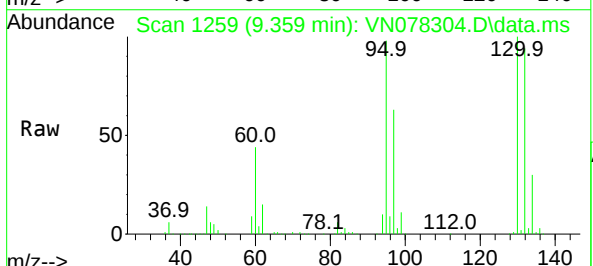
Acq: 20 Jun 2023 13:00

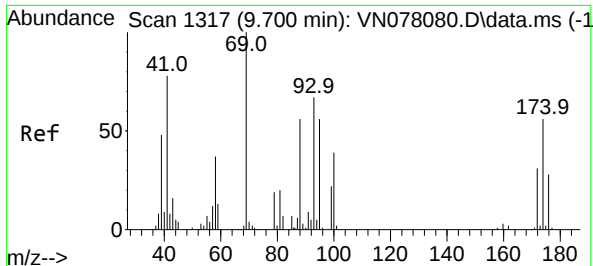
Tgt Ion: 130 Resp: 536203

Ion Ratio Lower Upper

130 100

95 97.6 0.0 204.6





#49

1,4-Dioxane

Concen: 76.162 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078304.D

Acq: 20 Jun 2023 13:00

Instrument :

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GWOW-BR-05-248-268-061923

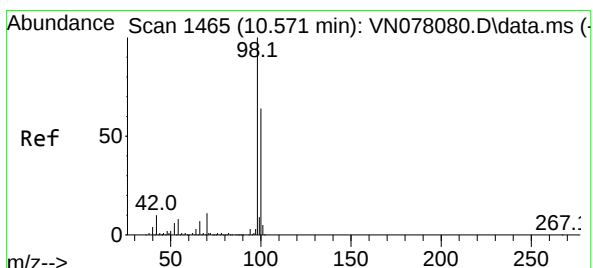
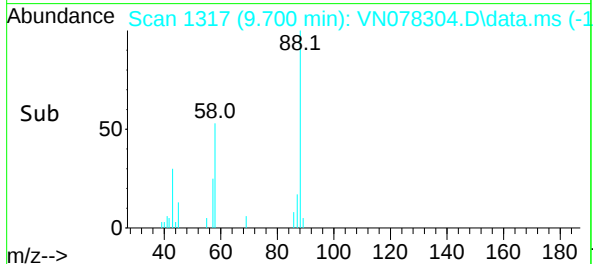
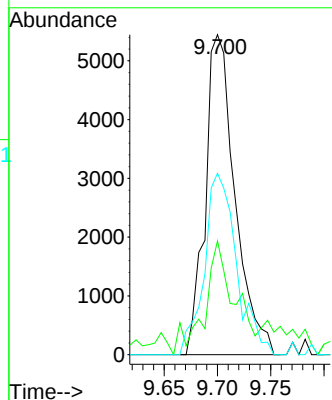
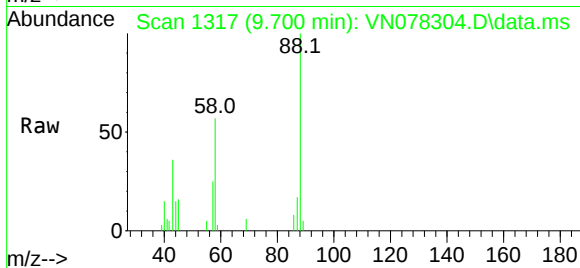
Tgt Ion: 88 Resp: 10569

Ion Ratio Lower Upper

88 100

43 35.7 17.0 25.6#

58 61.3 47.0 70.4



#50

Toluene-d8

Concen: 35.000 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078304.D

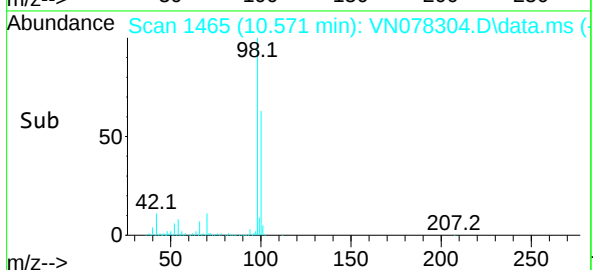
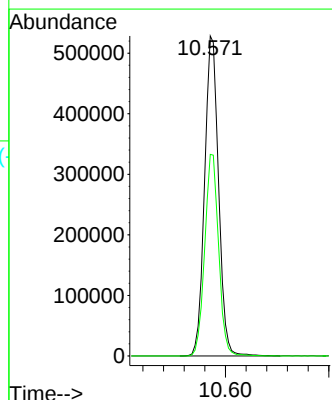
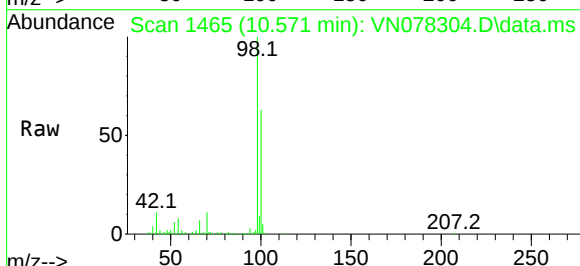
Acq: 20 Jun 2023 13:00

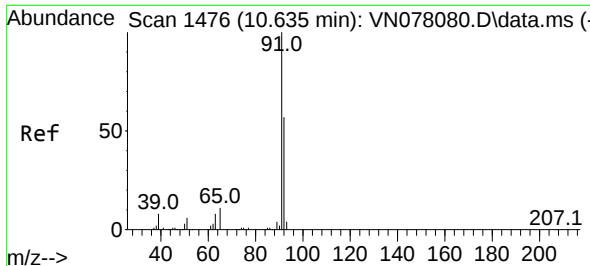
Tgt Ion: 98 Resp: 990621

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

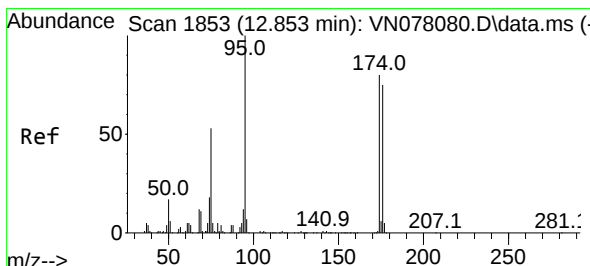
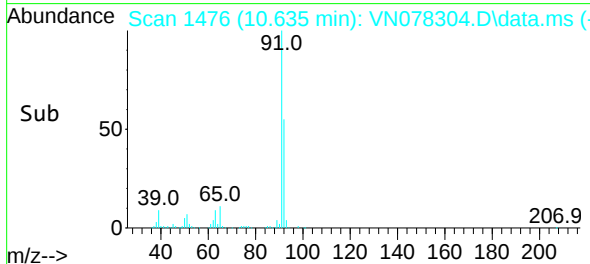
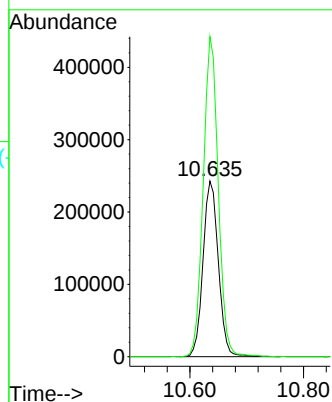
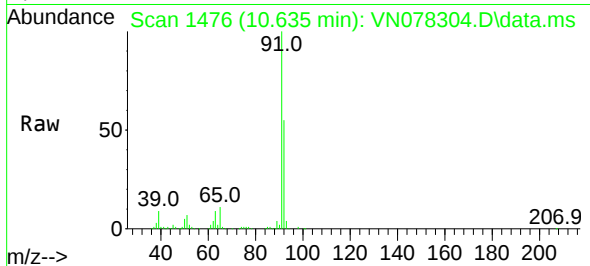




#52
Toluene
Concen: 22.855 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

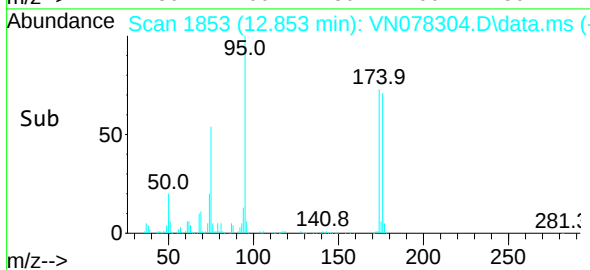
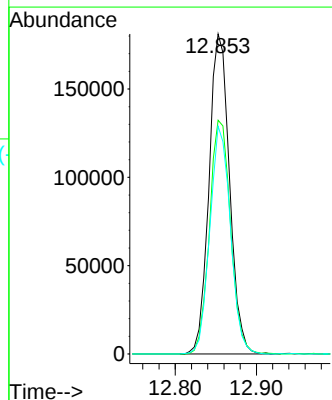
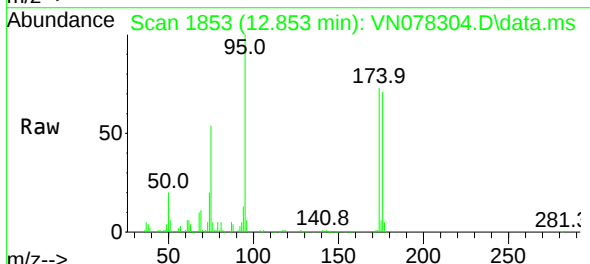
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-248-268-061923

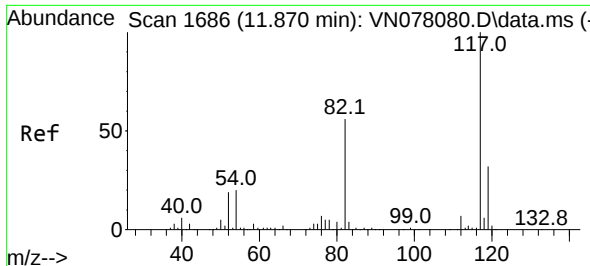
Tgt Ion: 92 Resp: 453674
Ion Ratio Lower Upper
92 100
91 178.8 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 36.079 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Tgt Ion: 95 Resp: 317451
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 71.3 0.0 135.8

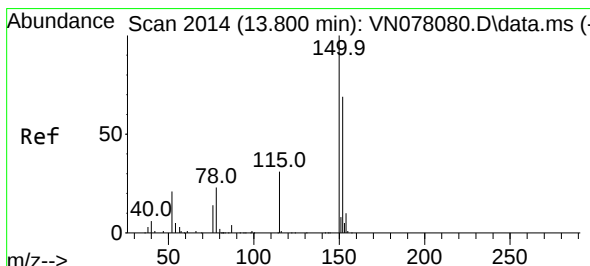
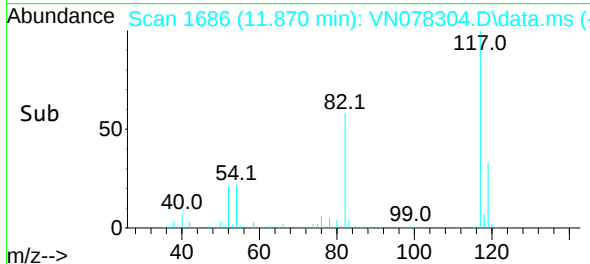
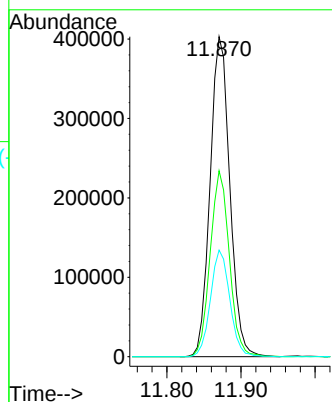
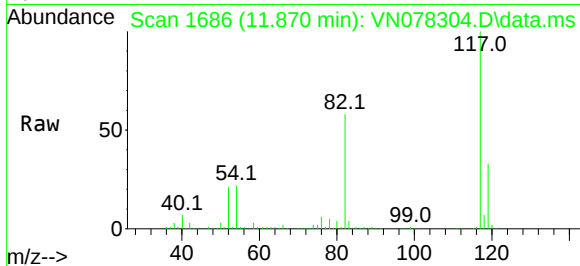




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-248-268-061923

Tgt Ion:117 Resp: 744157
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 33.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078304.D
Acq: 20 Jun 2023 13:00

Tgt Ion:152 Resp: 230114
Ion Ratio Lower Upper
152 100
115 61.8 32.3 96.8
150 159.5 0.0 355.8

