

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078202.D
 Acq On : 14 Jun 2023 13:44
 Operator : JC\MD
 Sample : 03225-04DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323DL

Quant Time: Jun 15 02:43:20 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)

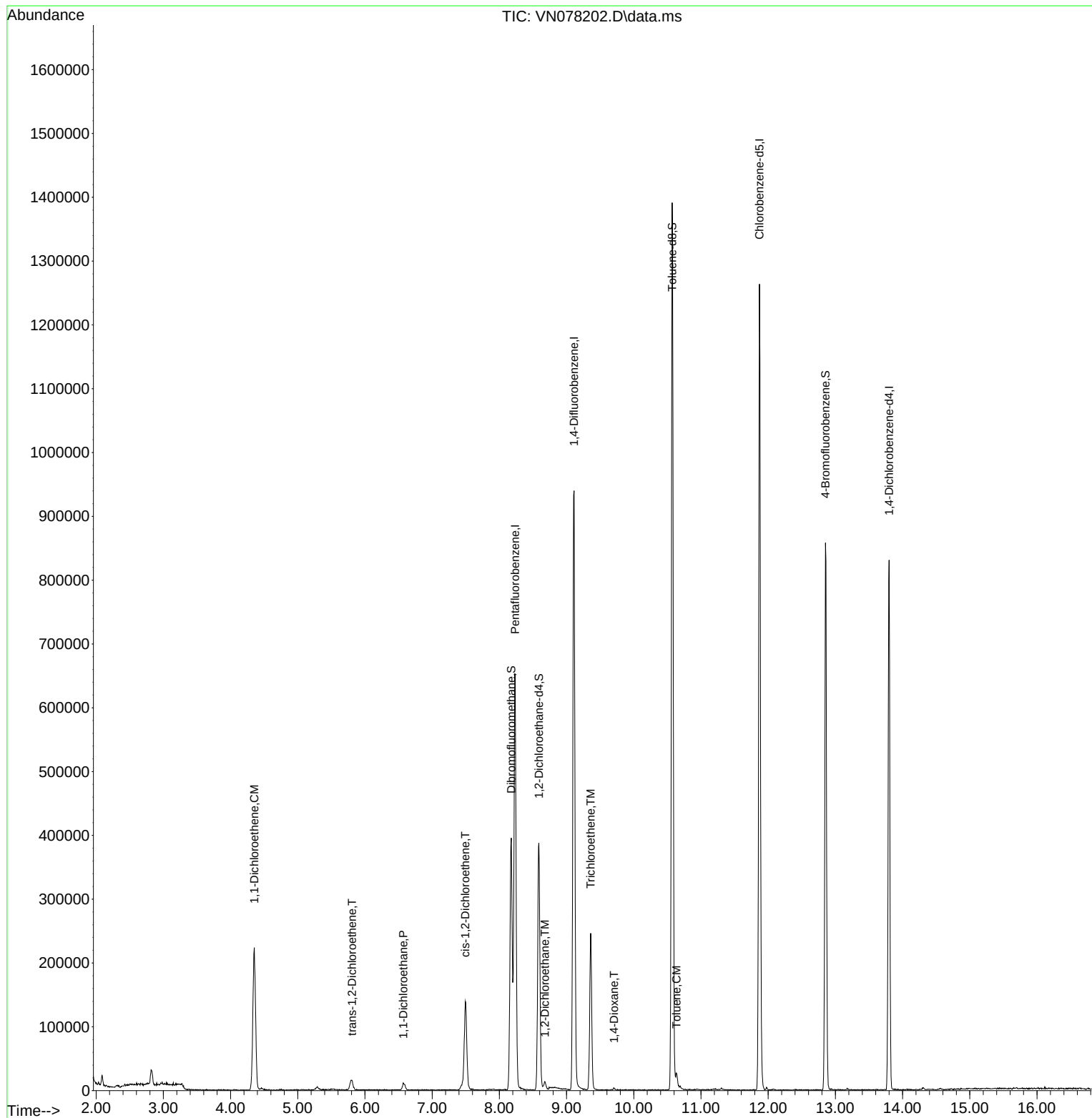
Internal Standards						
1) Pentafluorobenzene	8.235	168	467852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	853777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	750274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	227487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	328632	52.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.360%	
35) Dibromofluoromethane	8.177	113	285131	52.818	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.640%	
50) Toluene-d8	10.570	98	999841	48.044	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.080%	
62) 4-Bromofluorobenzene	12.853	95	306055	47.306	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.620%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.353	96	135177	26.459	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	10405	1.888	ug/l	96
24) 1,1-Dichloroethane	6.571	63	15174	1.568	ug/l #	92
27) cis-1,2-Dichloroethene	7.494	96	82664	12.577	ug/l	99
42) 1,2-Dichloroethane	8.676	62	9555	1.206	ug/l	84
44) Trichloroethene	9.359	130	87026	14.255	ug/l	100
49) 1,4-Dioxane	9.706	88	1942	19.032	ug/l #	84
52) Toluene	10.635	92	7828	0.536	ug/l	96

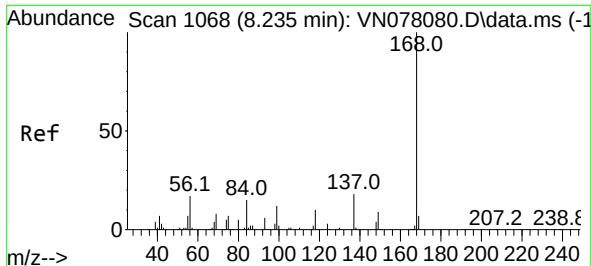
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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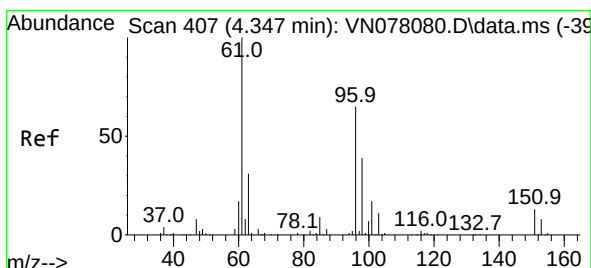
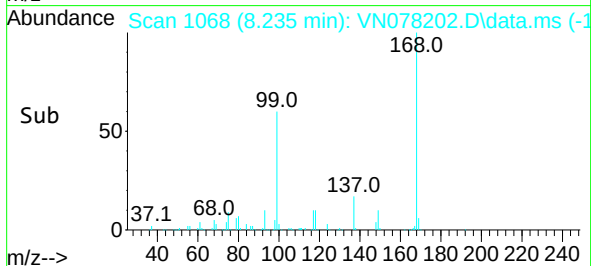
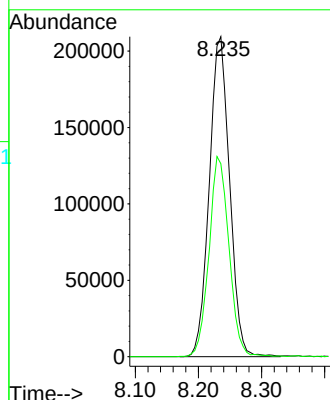
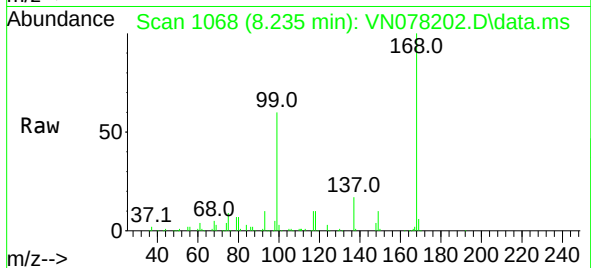




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

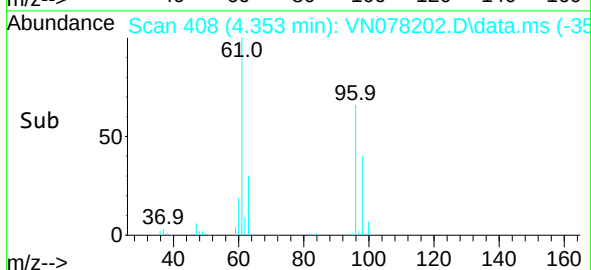
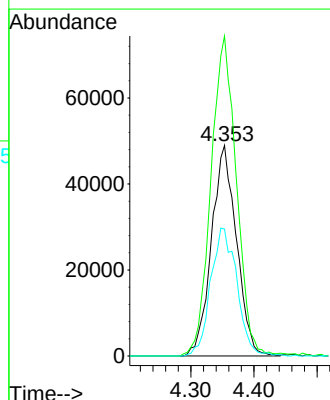
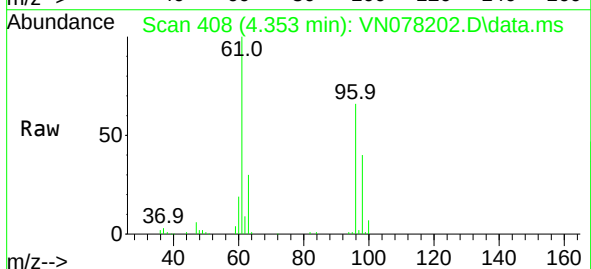
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323DL

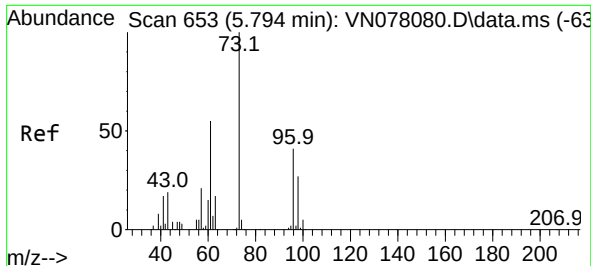
Tgt Ion:168 Resp: 467852
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#12
1,1-Dichloroethene
Concen: 26.459 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

Tgt Ion: 96 Resp: 135177
Ion Ratio Lower Upper
96 100
61 152.0 112.7 169.1
98 60.2 51.2 76.8

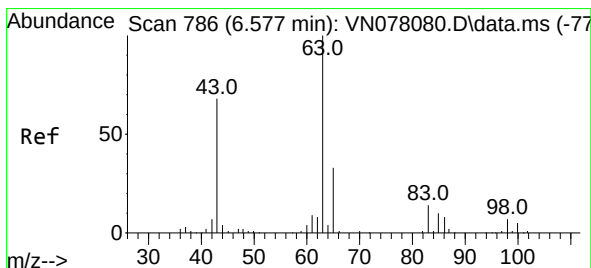
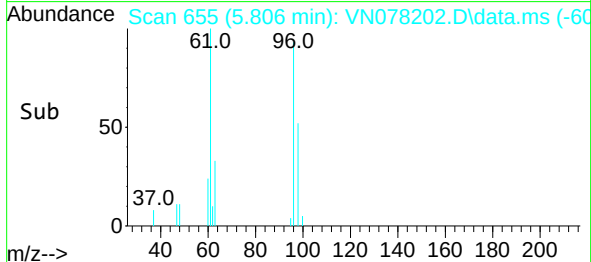
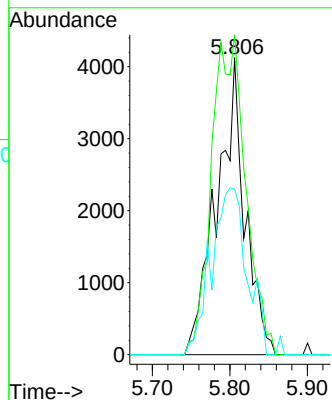
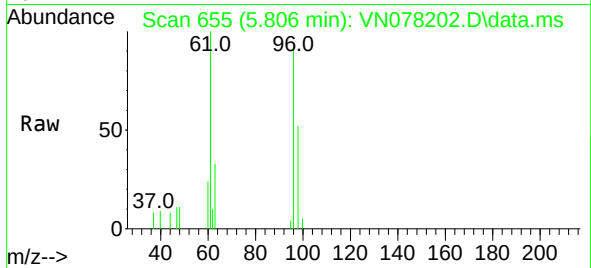




#21
trans-1,2-Dichloroethene
Concen: 1.888 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

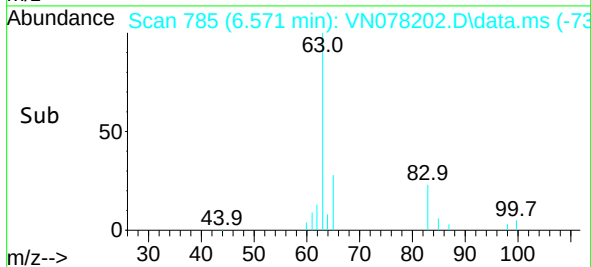
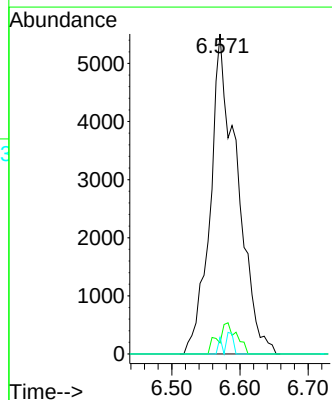
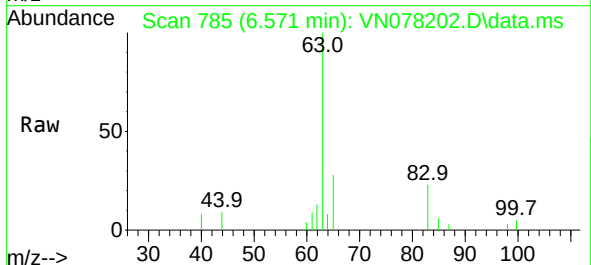
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323DL

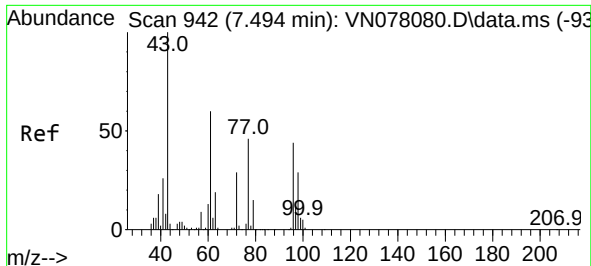
Tgt Ion: 96 Resp: 10405
Ion Ratio Lower Upper
96 100
61 107.7 90.1 135.1
98 55.7 46.4 69.6



#24
1,1-Dichloroethane
Concen: 1.568 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

Tgt Ion: 63 Resp: 15174
Ion Ratio Lower Upper
63 100
98 3.5 3.9 11.7#
100 5.2 2.5 7.4

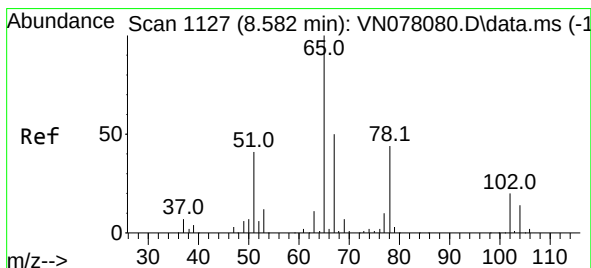
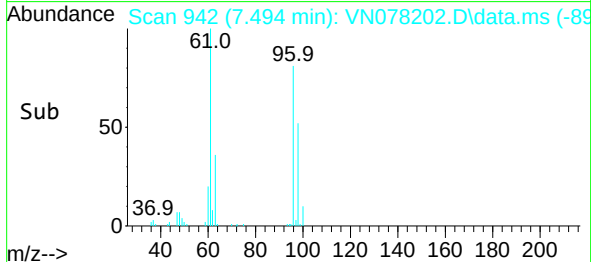
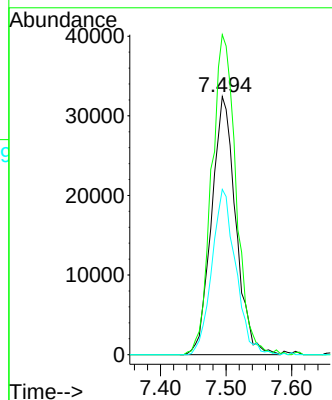
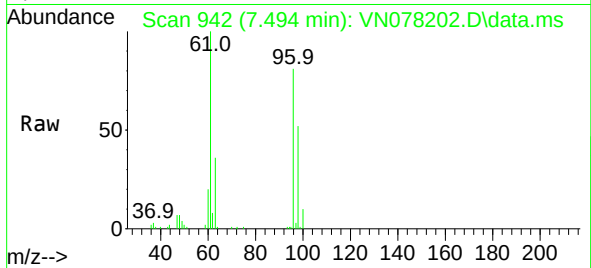




#27
 cis-1,2-Dichloroethene
 Concen: 12.577 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN078202.D
 Acq: 14 Jun 2023 13:44

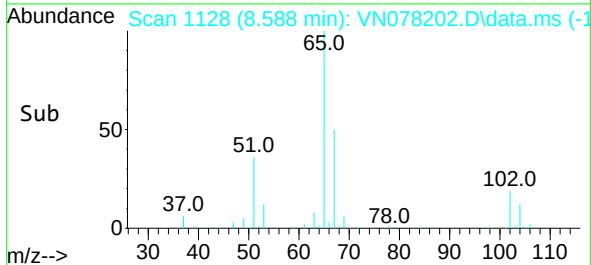
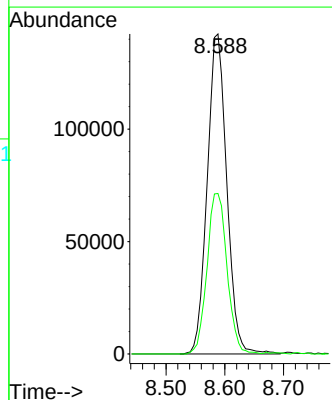
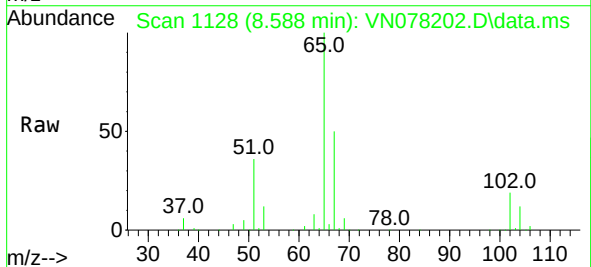
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-103-123-061323DL

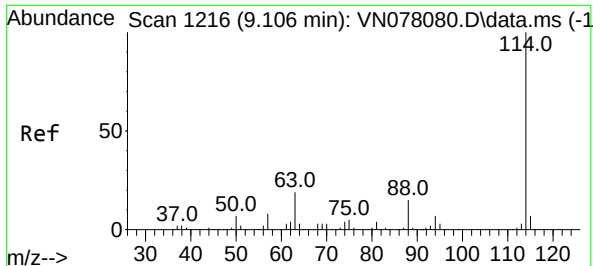
Tgt Ion: 96 Resp: 82664
 Ion Ratio Lower Upper
 96 100
 61 125.6 0.0 255.2
 98 63.6 0.0 128.8



#33
 1,2-Dichloroethane-d4
 Concen: 52.683 ug/l
 RT: 8.588 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VN078202.D
 Acq: 14 Jun 2023 13:44

Tgt Ion: 65 Resp: 328632
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.6

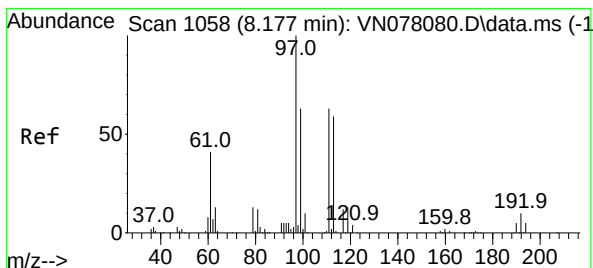
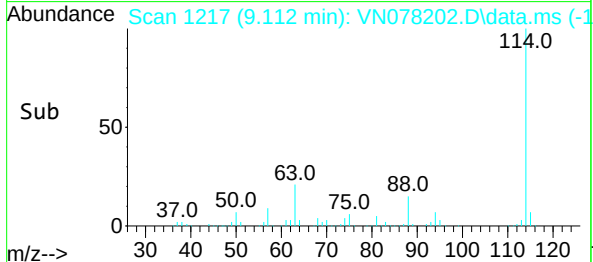
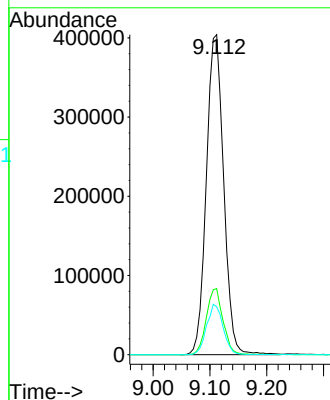
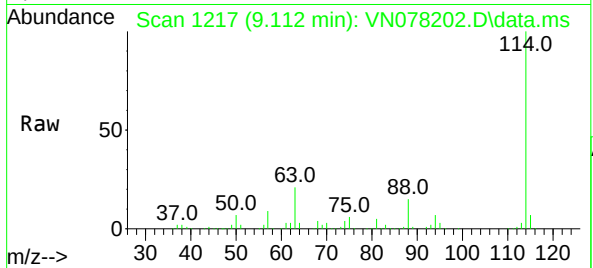




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

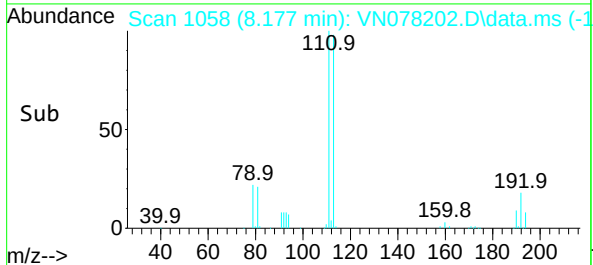
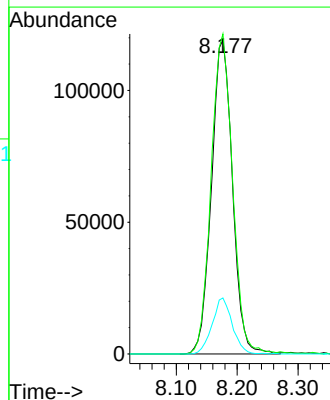
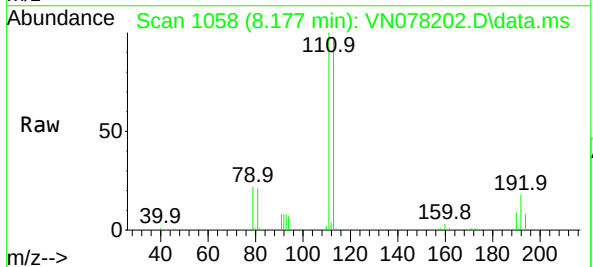
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323DL

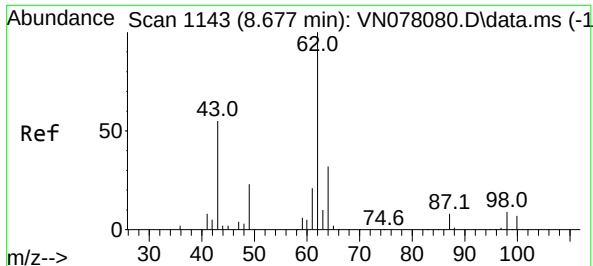
Tgt Ion:114 Resp: 853777
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.818 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

Tgt Ion:113 Resp: 285131
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 17.1 12.7 19.1





#42

1,2-Dichloroethane

Concen: 1.206 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN078202.D

Acq: 14 Jun 2023 13:44

Instrument :

MSVOA_N

ClientSampleId :

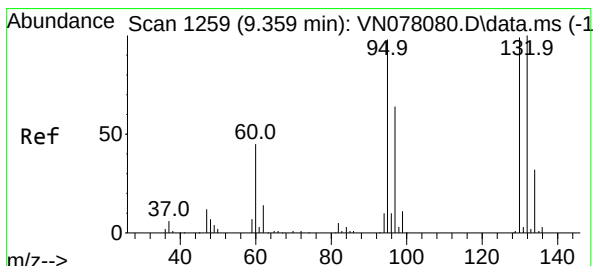
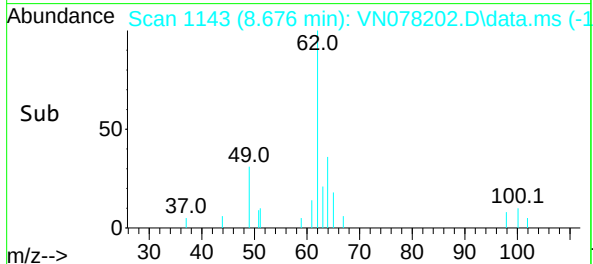
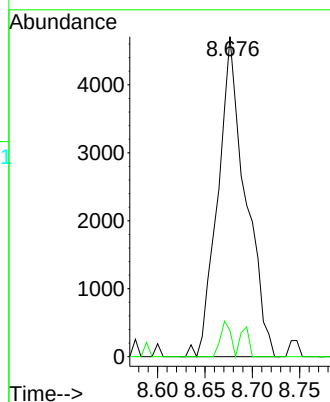
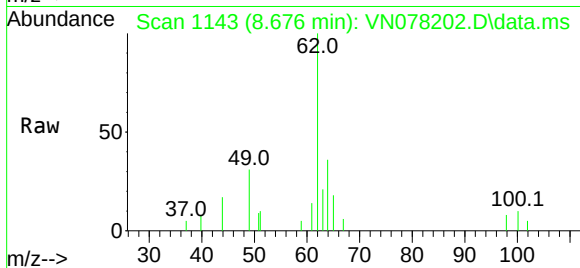
GWOW-BR-05-103-123-061323DL

Tgt Ion: 62 Resp: 9555

Ion Ratio Lower Upper

62 100

98 4.1 0.0 19.8



#44

Trichloroethene

Concen: 14.255 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078202.D

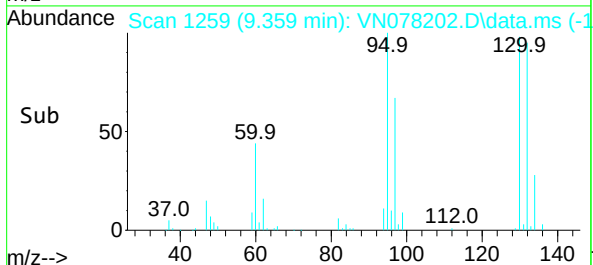
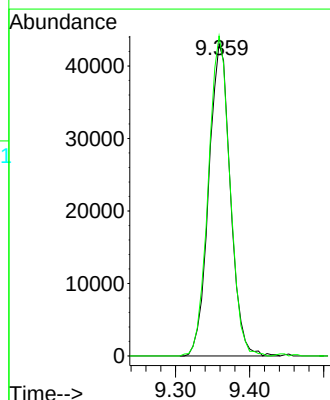
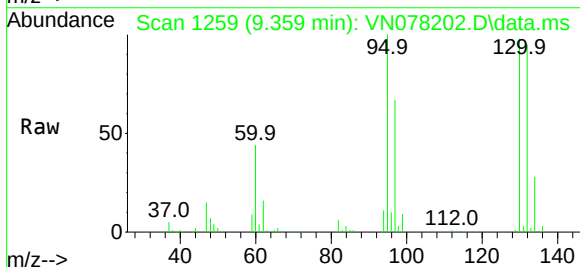
Acq: 14 Jun 2023 13:44

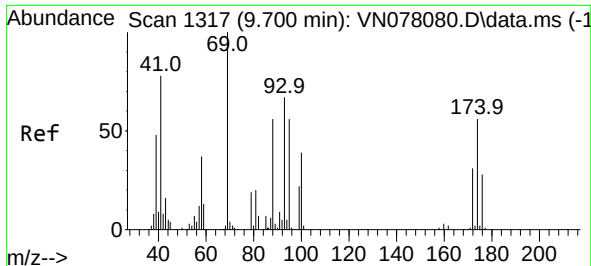
Tgt Ion: 130 Resp: 87026

Ion Ratio Lower Upper

130 100

95 102.4 0.0 204.6





#49

1,4-Dioxane

Concen: 19.032 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078202.D

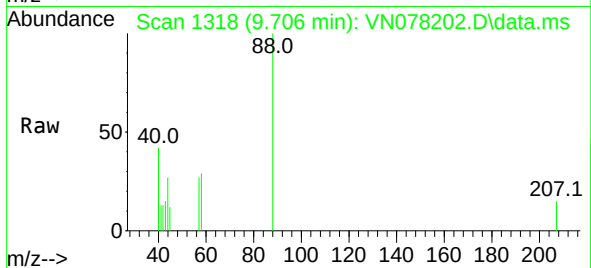
Acq: 14 Jun 2023 13:44

Instrument :

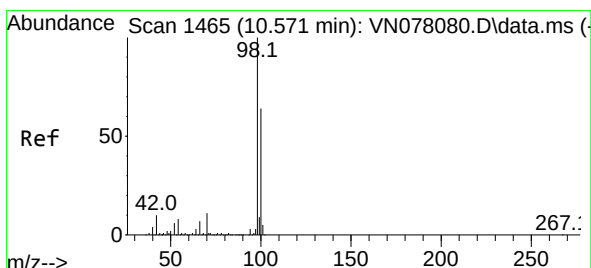
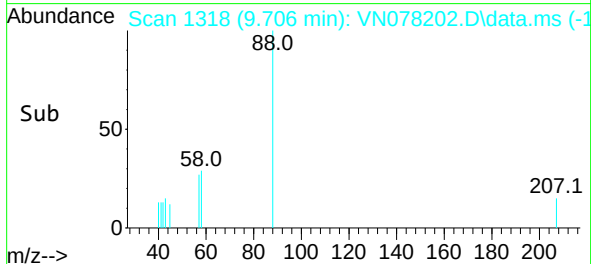
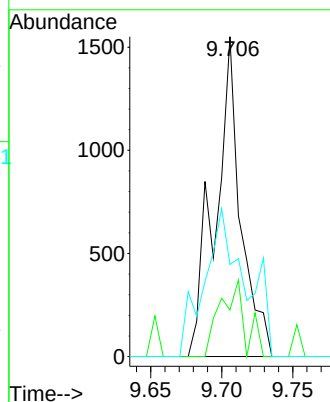
MSVOA_N

ClientSampleId :

GWOW-BR-05-103-123-061323DL



Tgt Ion:	88	Resp:	1942
Ion	Ratio	Lower	Upper
88	100		
43	23.2	17.0	25.6
58	74.0	47.0	70.4



#50

Toluene-d8

Concen: 48.044 ug/l

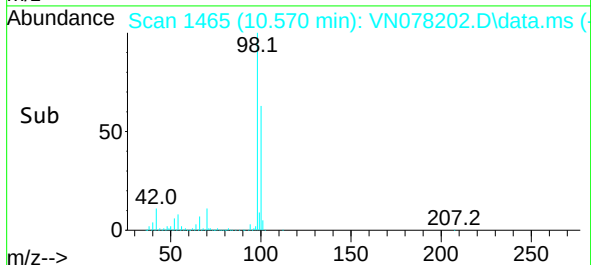
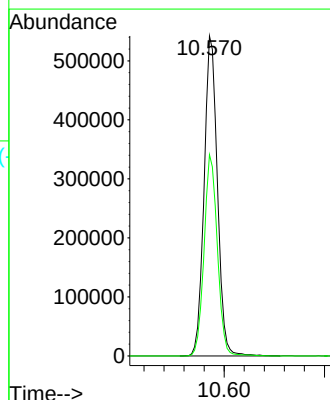
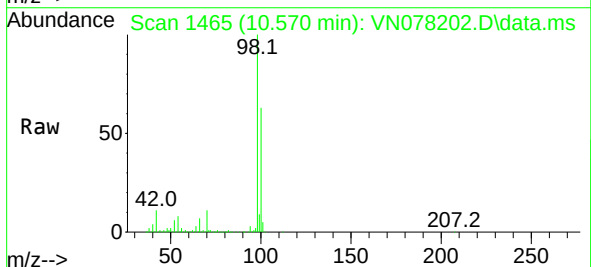
RT: 10.570 min Scan# 1465

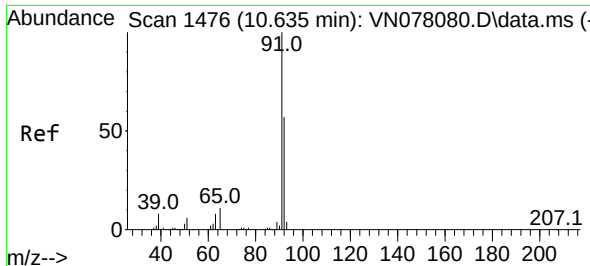
Delta R.T. -0.000 min

Lab File: VN078202.D

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Tgt Ion:	98	Resp:	999841
Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.0	78.0

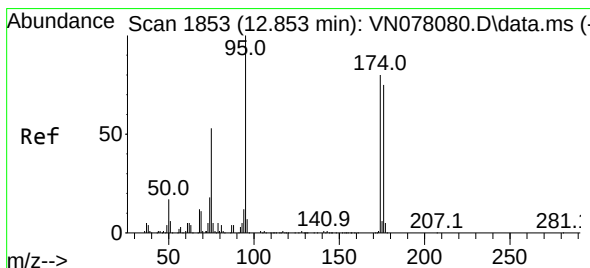
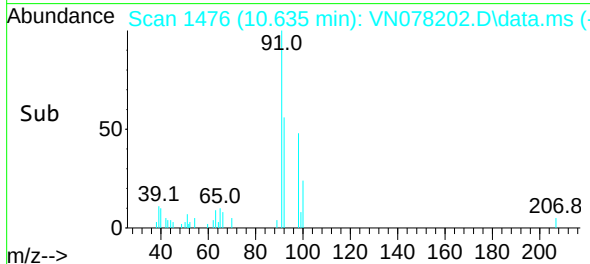
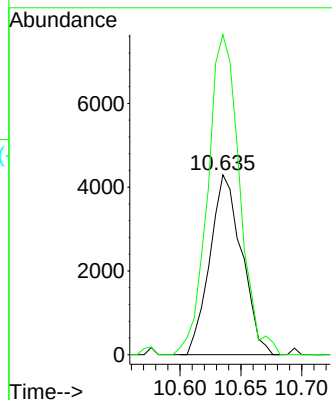
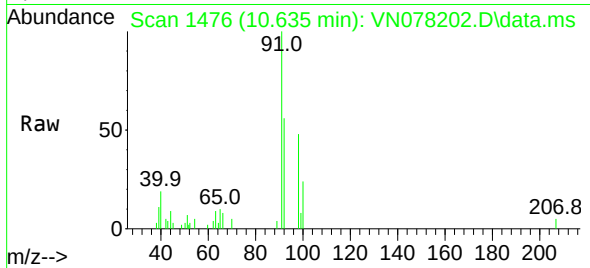




#52
Toluene
Concen: 0.536 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

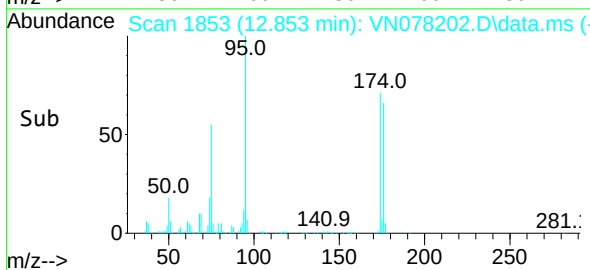
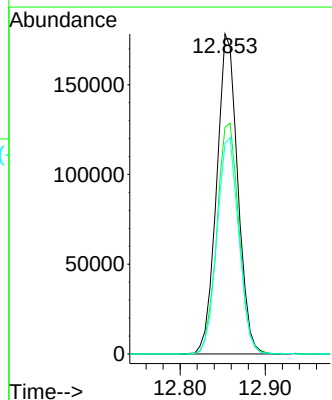
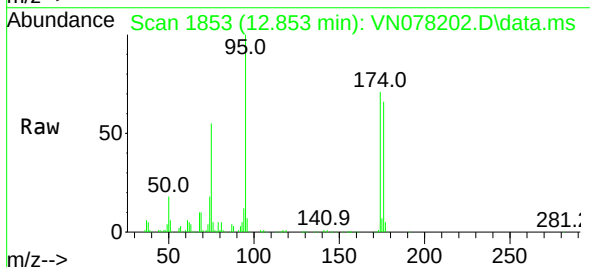
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-103-123-061323DL

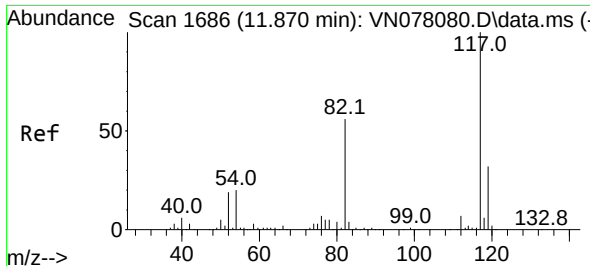
Tgt Ion: 92 Resp: 7828
Ion Ratio Lower Upper
92 100
91 177.6 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 47.306 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

Tgt Ion: 95 Resp: 306055
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 70.2 0.0 135.8

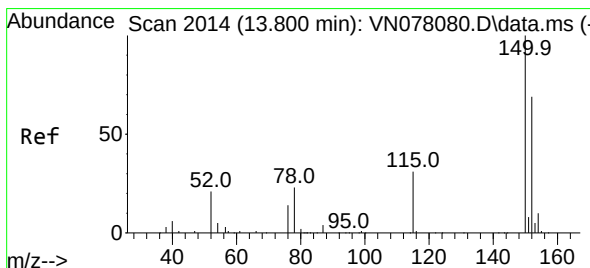
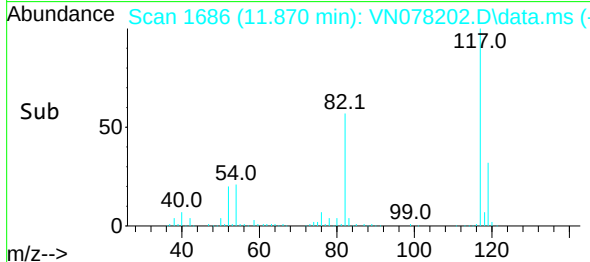
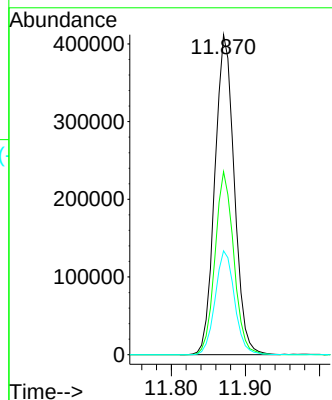
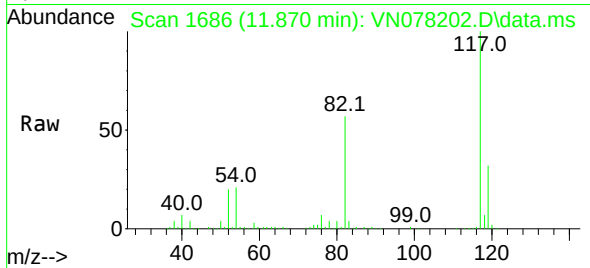




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078202.D
Acq: 14 Jun 2023 13:44

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-103-123-061323DL

Tgt Ion:117 Resp: 750274
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.5 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: VN078202.D
Acq: 14 Jun 2023 13:44

Tgt Ion:152 Resp: 227487
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 156.8 0.0 355.8

