

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078201.D
 Acq On : 14 Jun 2023 13:20
 Operator : JC\MD
 Sample : 03225-03DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 15 02:42:57 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)

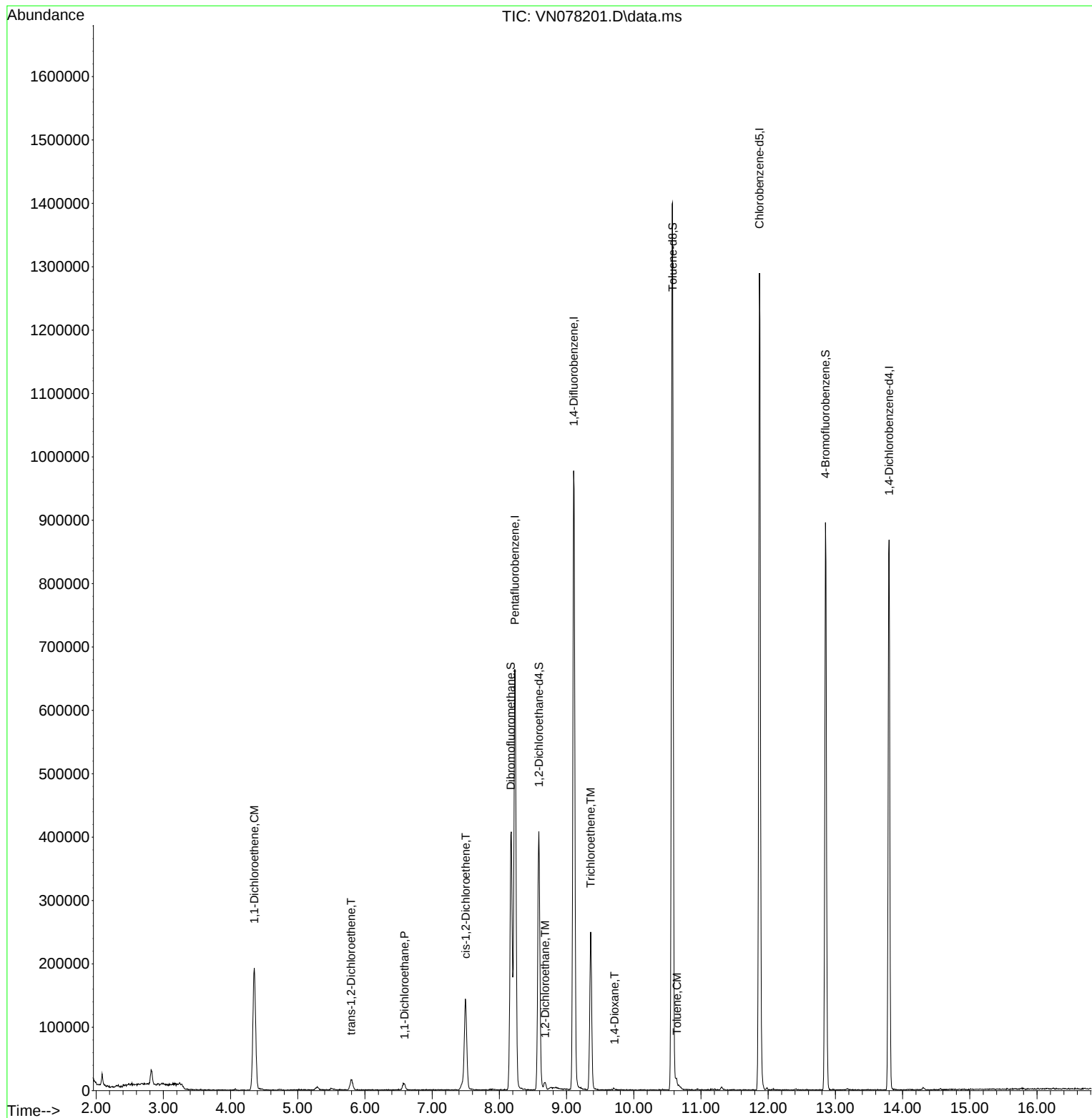
Internal Standards						
1) Pentafluorobenzene	8.229	168	471849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	876645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	766292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	332320	52.823	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.640%	
35) Dibromofluoromethane	8.171	113	296785	53.543	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.080%	
50) Toluene-d8	10.576	98	1029663	48.186	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.380%	
62) 4-Bromofluorobenzene	12.853	95	321151	48.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.680%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.353	96	115962	22.506	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	10208	1.837	ug/l	87
24) 1,1-Dichloroethane	6.588	63	14801	1.517	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	84379	12.729	ug/l	97
42) 1,2-Dichloroethane	8.682	62	9797	1.204	ug/l	94
44) Trichloroethene	9.359	130	84527	13.485	ug/l	97
49) 1,4-Dioxane	9.712	88	2007	19.156	ug/l #	90
52) Toluene	10.641	92	3522	0.235	ug/l	84

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

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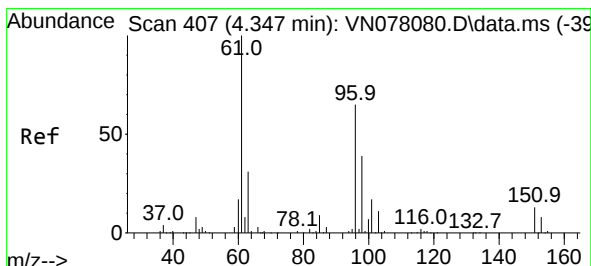
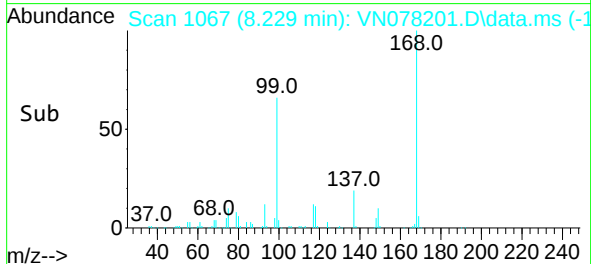
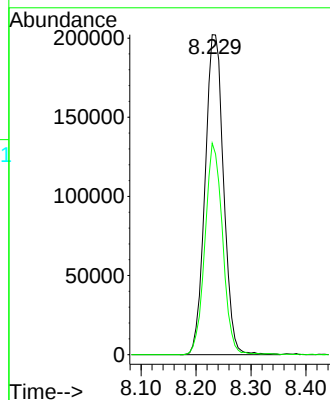
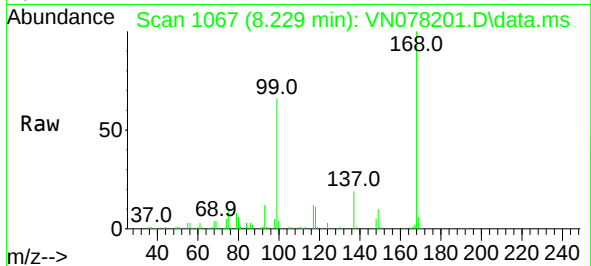




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

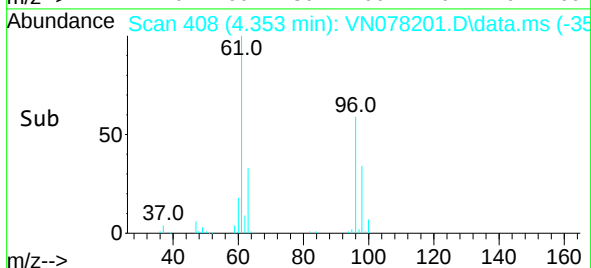
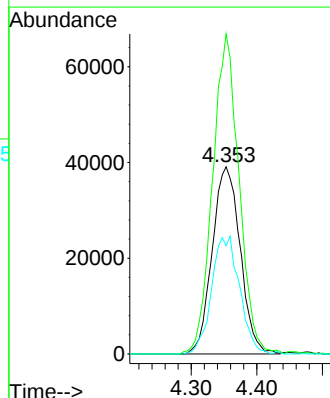
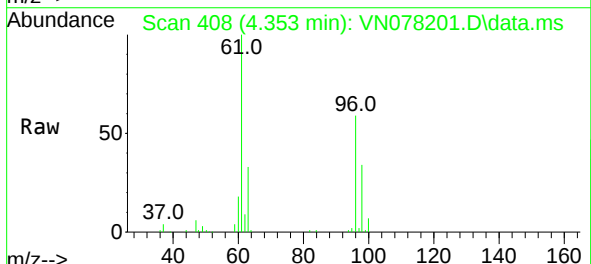
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

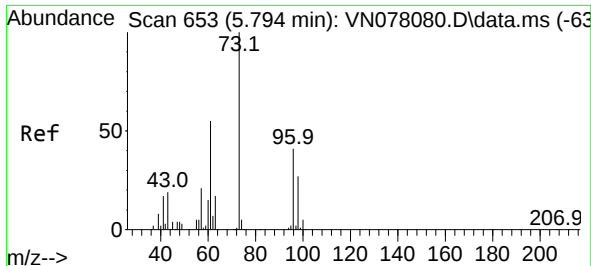
Tgt Ion:168 Resp: 471849
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#12
1,1-Dichloroethene
Concen: 22.506 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

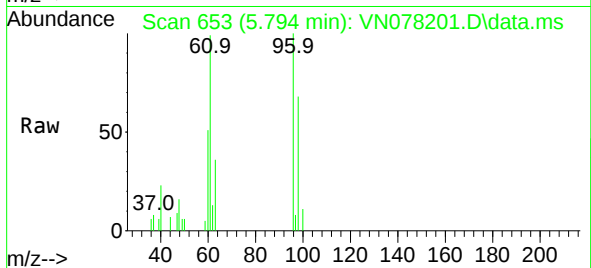
Tgt Ion: 96 Resp: 115962
Ion Ratio Lower Upper
96 100
61 170.9 112.7 169.1#
98 57.8 51.2 76.8



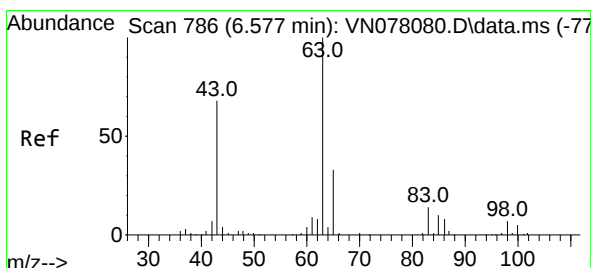
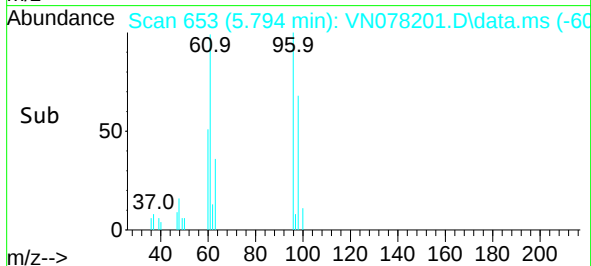
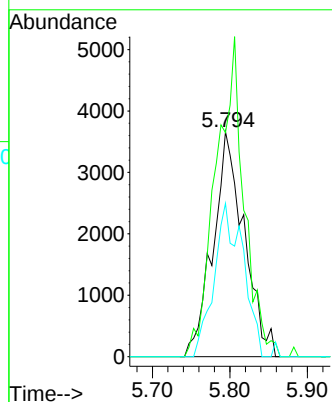


#21
trans-1,2-Dichloroethene
Concen: 1.837 ug/l
RT: 5.794 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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

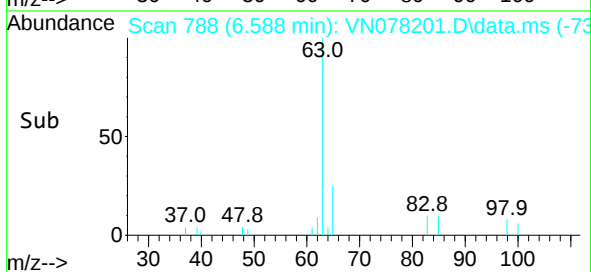
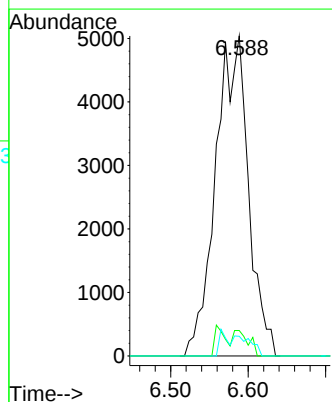
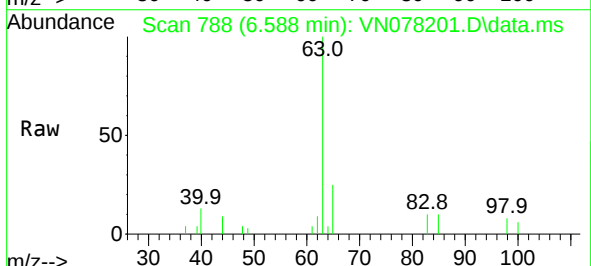


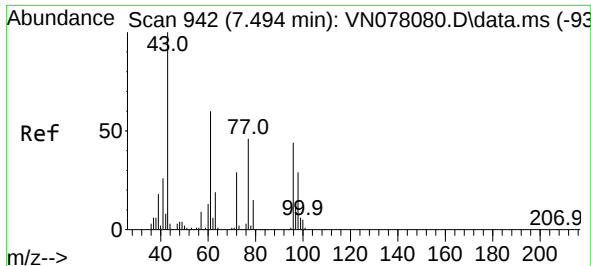
Tgt Ion: 96 Resp: 10208
Ion Ratio Lower Upper
96 100
61 99.5 90.1 135.1
98 68.1 46.4 69.6



#24
1,1-Dichloroethane
Concen: 1.517 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.012 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion: 63 Resp: 14801
Ion Ratio Lower Upper
63 100
98 8.0 3.9 11.7
100 6.2 2.5 7.4

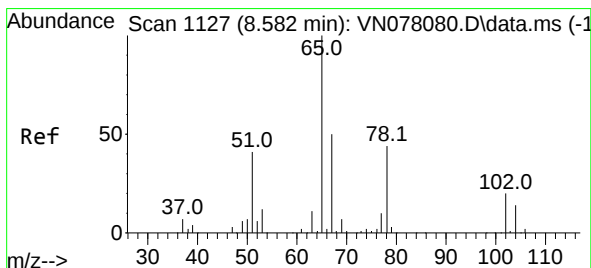
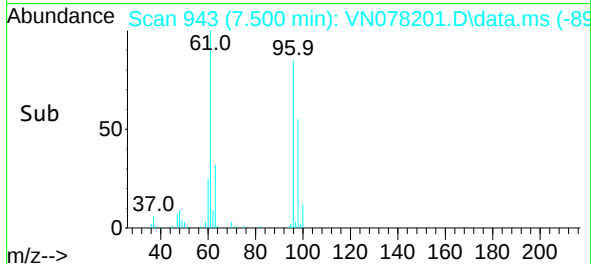
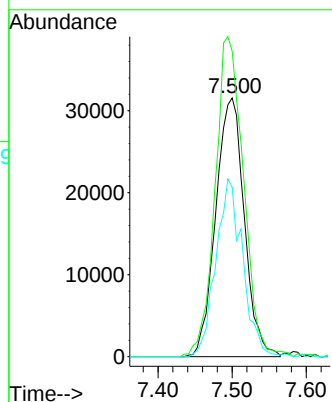
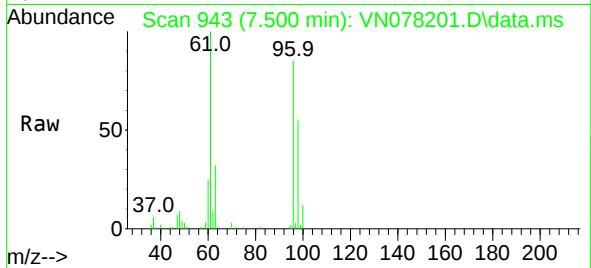




#27
cis-1,2-Dichloroethene
Concen: 12.729 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

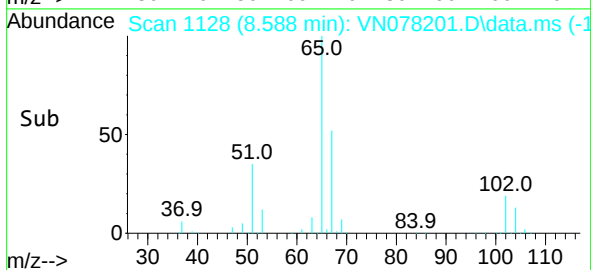
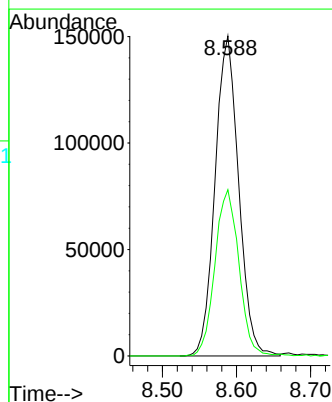
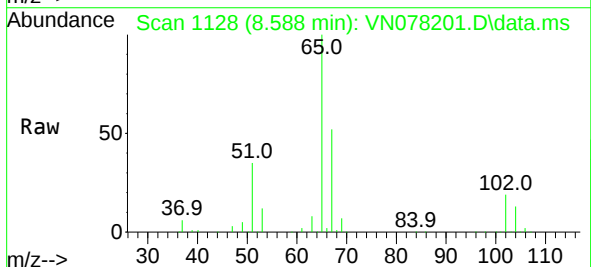
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

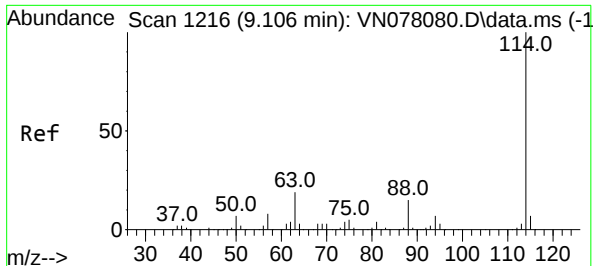
Tgt Ion: 96 Resp: 84379
Ion Ratio Lower Upper
96 100
61 122.5 0.0 255.2
98 64.4 0.0 128.8



#33
1,2-Dichloroethane-d4
Concen: 52.823 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion: 65 Resp: 332320
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-05-84-104-061323DL

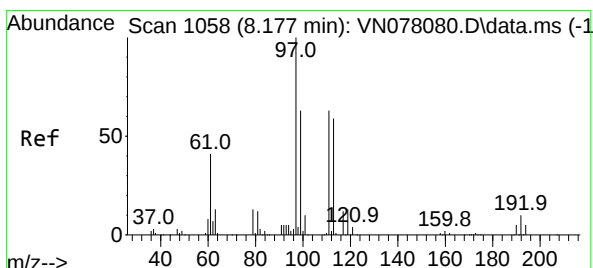
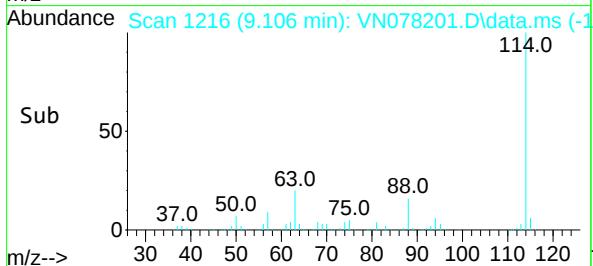
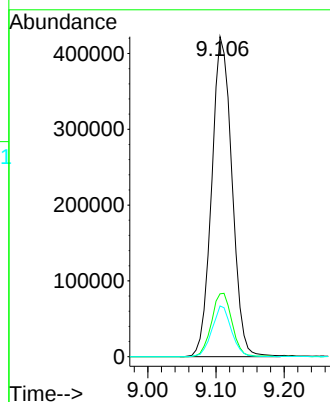
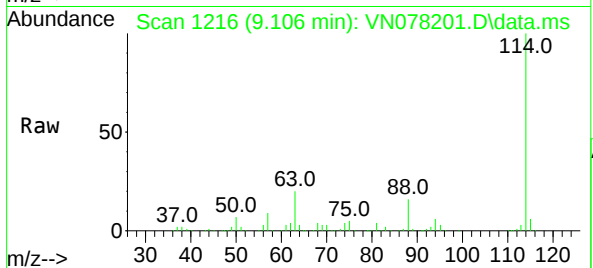
Tgt Ion:114 Resp: 876645

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.543 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

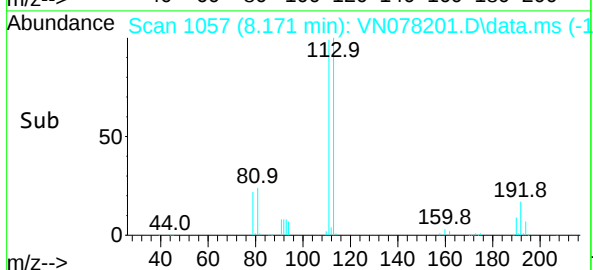
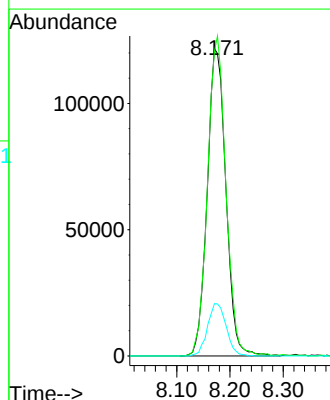
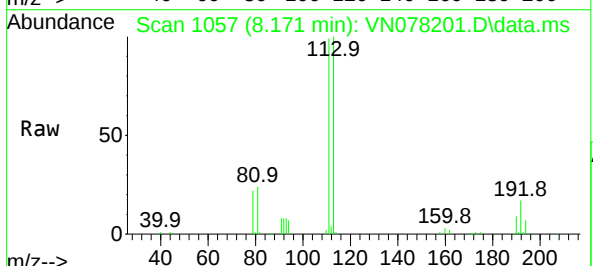
Tgt Ion:113 Resp: 296785

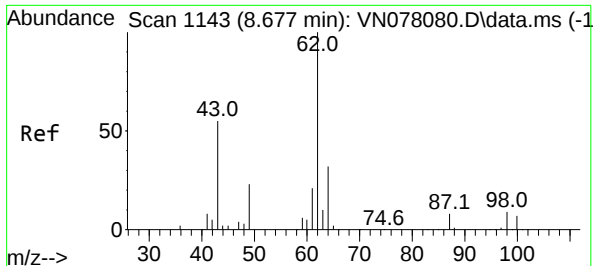
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.0 12.7 19.1





#42

1,2-Dichloroethane

Concen: 1.204 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

Instrument :

MSVOA_N

ClientSampleId :

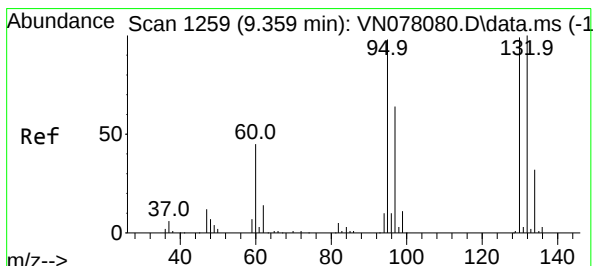
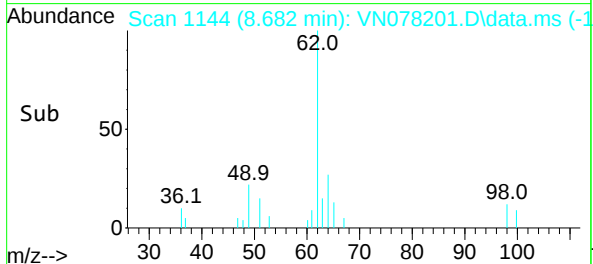
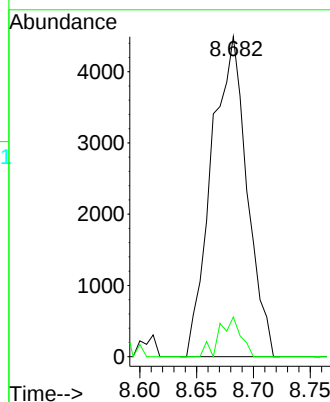
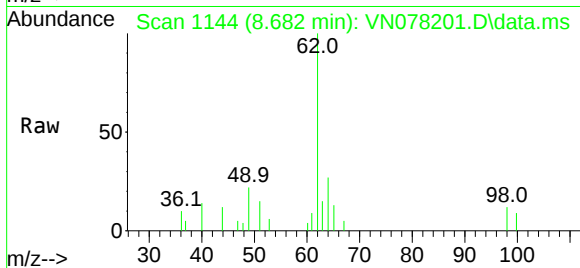
GWOW-BR-05-84-104-061323DL

Tgt Ion: 62 Resp: 9797

Ion Ratio Lower Upper

62 100

98 7.5 0.0 19.8



#44

Trichloroethene

Concen: 13.485 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078201.D

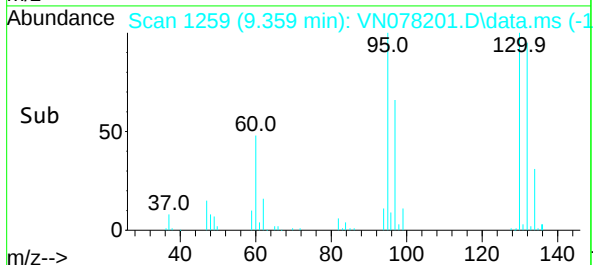
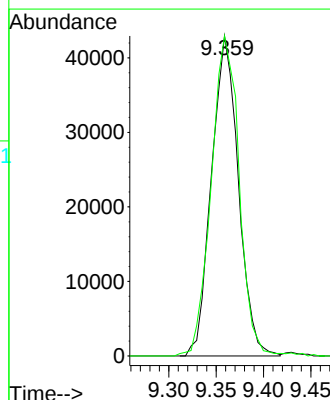
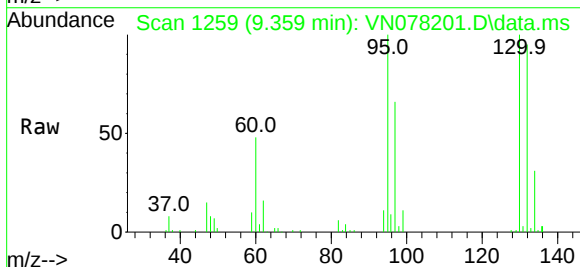
Acq: 14 Jun 2023 13:20

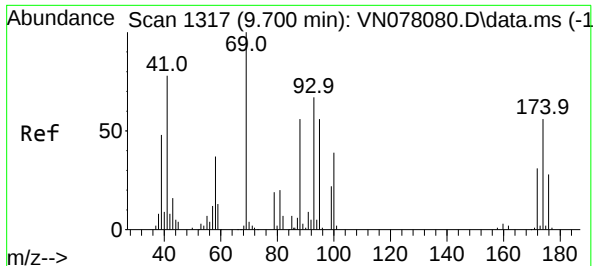
Tgt Ion: 130 Resp: 84527

Ion Ratio Lower Upper

130 100

95 99.3 0.0 204.6





#49

1,4-Dioxane

Concen: 19.156 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN078201.D

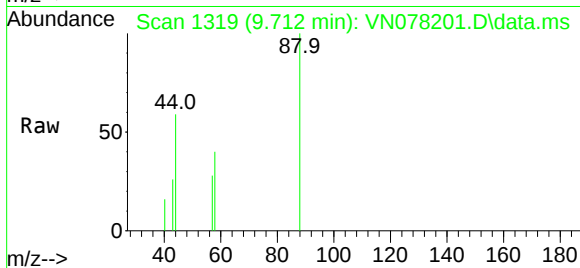
Acq: 14 Jun 2023 13:20

Instrument :

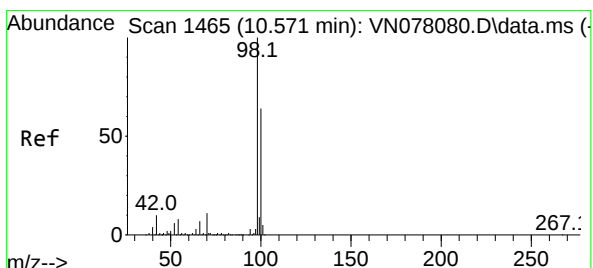
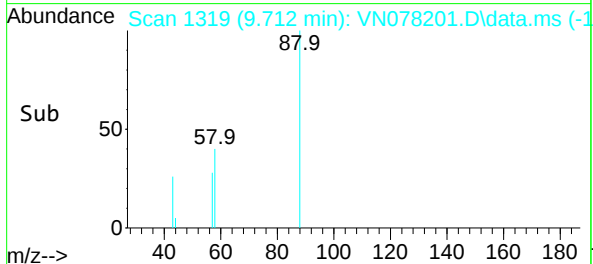
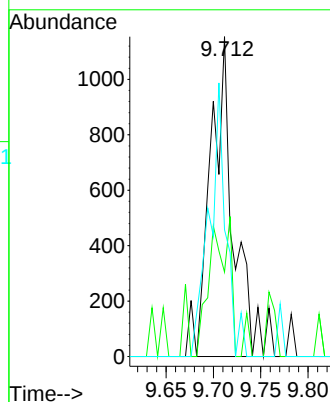
MSVOA_N

ClientSampleId :

GWOW-BR-05-84-104-061323DL



Tgt Ion:	88	Resp:	2007
Ion	Ratio	Lower	Upper
88	100		
43	36.3	17.0	25.6#
58	60.1	47.0	70.4



#50

Toluene-d8

Concen: 48.186 ug/l

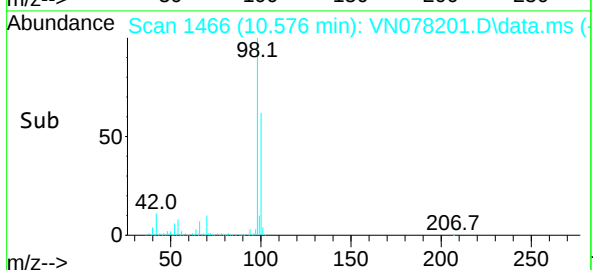
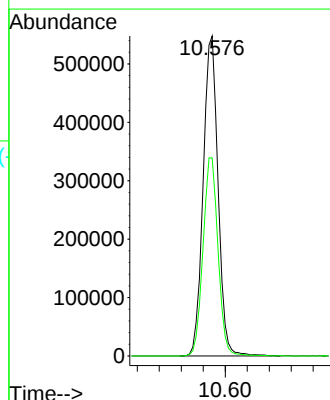
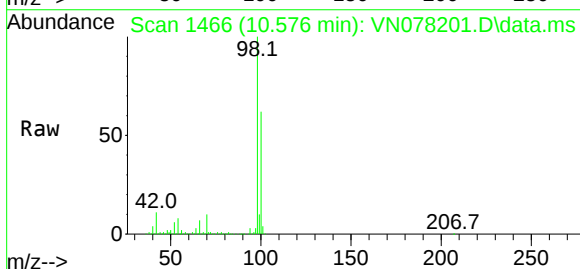
RT: 10.576 min Scan# 1466

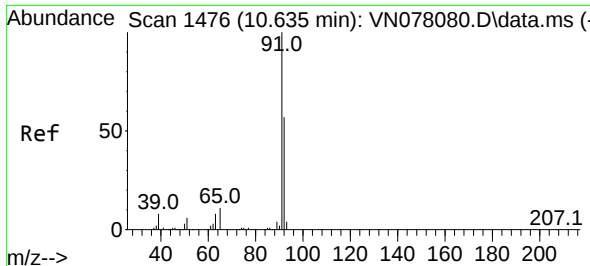
Delta R.T. 0.006 min

Lab File: VN078201.D

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Tgt Ion:	98	Resp:	1029663
Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.0	78.0

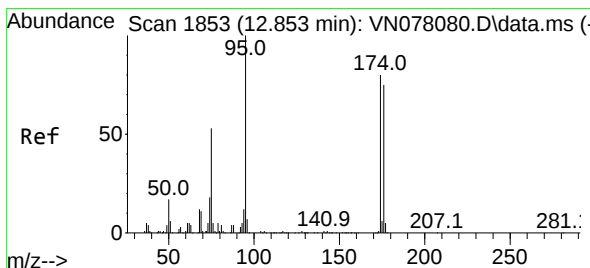
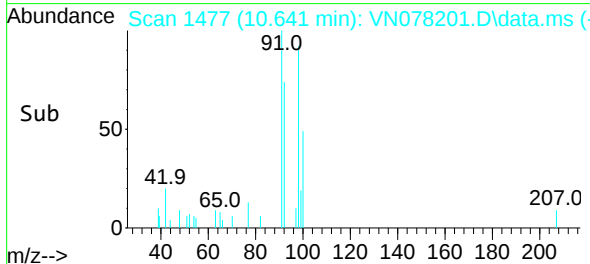
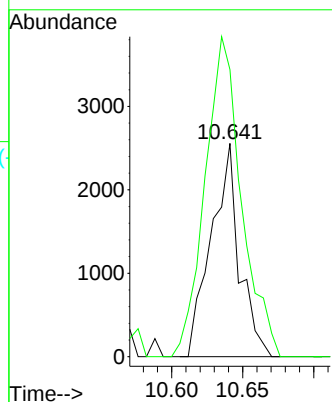
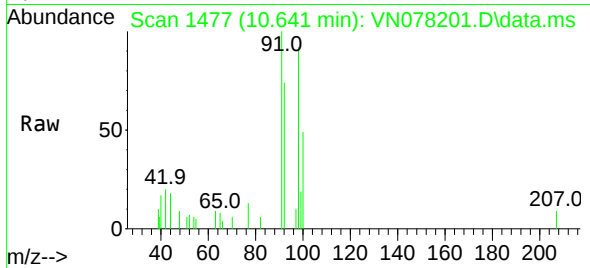




#52
Toluene
Concen: 0.235 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

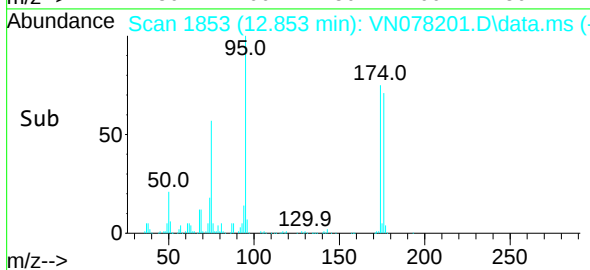
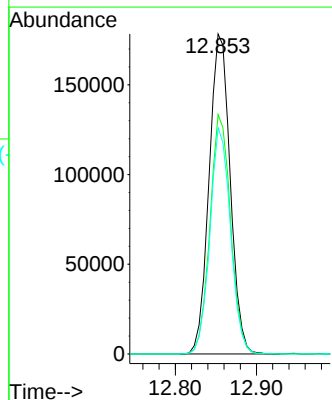
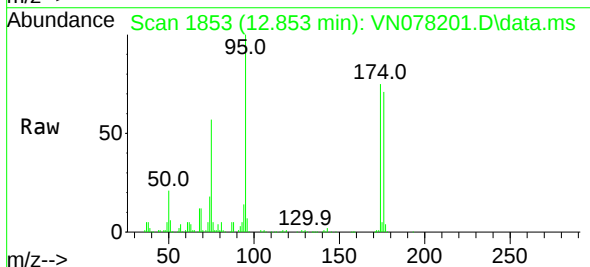
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

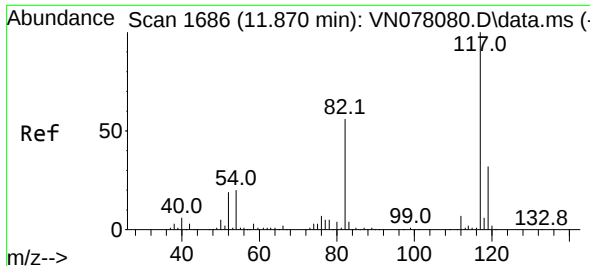
Tgt Ion: 92 Resp: 3522
Ion Ratio Lower Upper
92 100
91 194.2 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 48.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion: 95 Resp: 321151
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 68.9 0.0 135.8

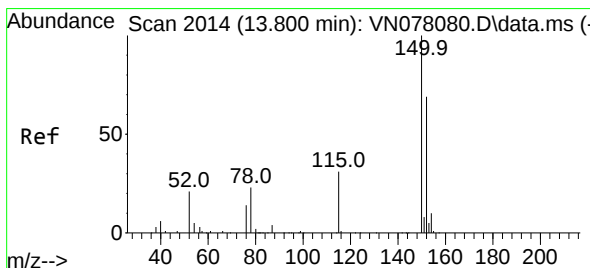
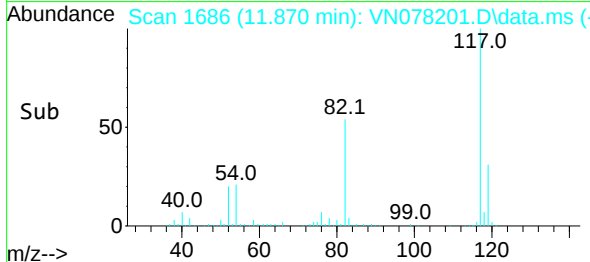
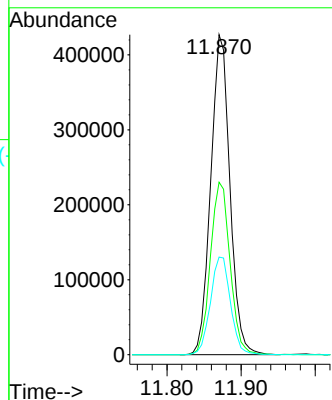
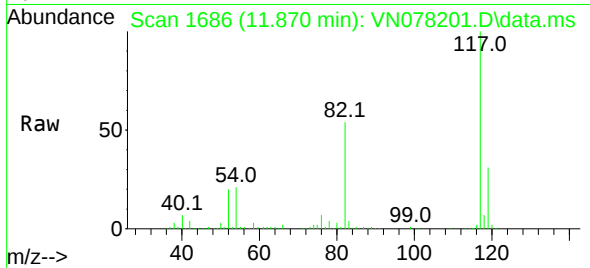




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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

Tgt Ion:117 Resp: 766292
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 30.5 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: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion:152 Resp: 234412
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 156.7 0.0 355.8

