

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)

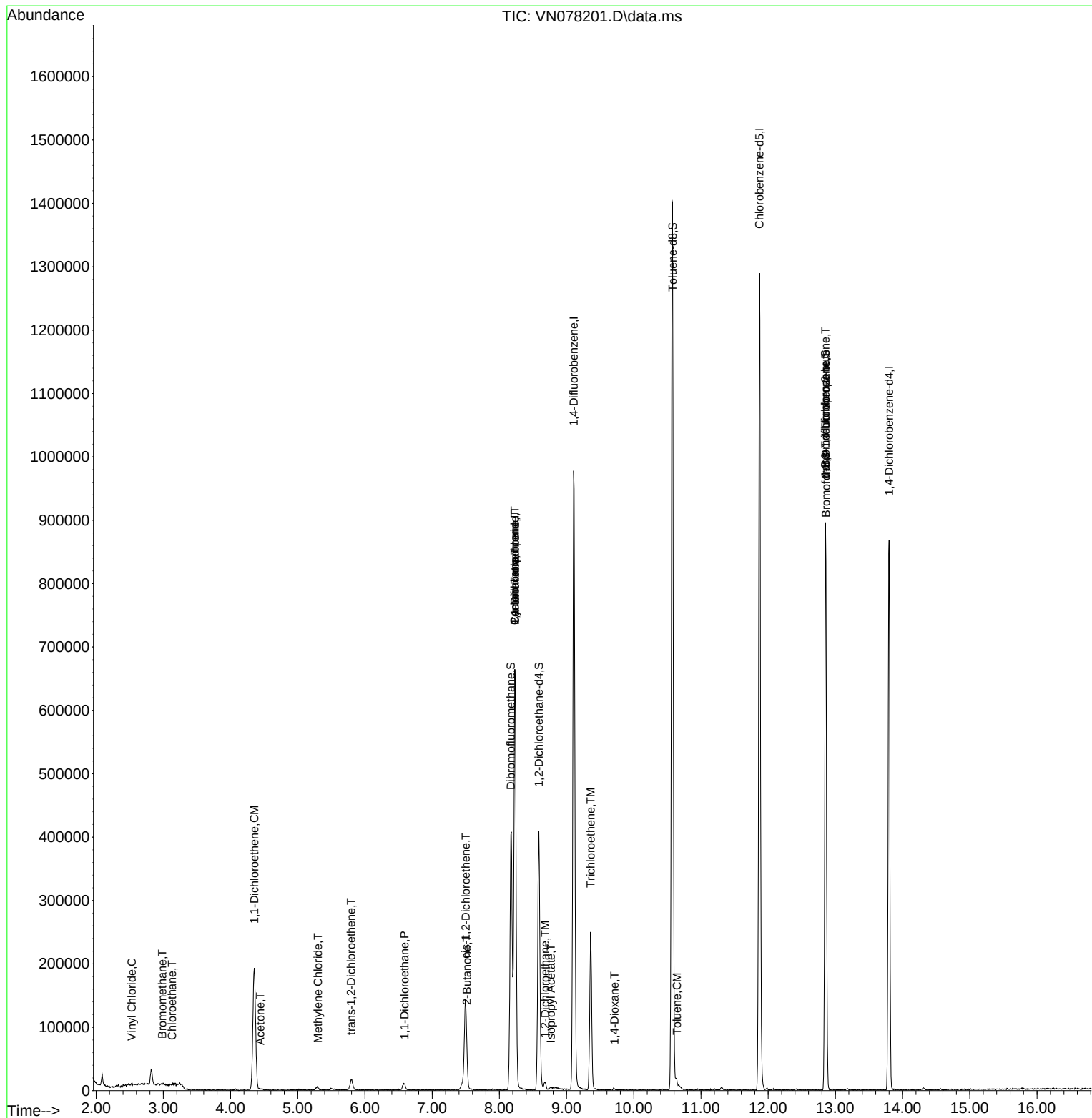
Internal Standards						
1) Pentafluorobenzene	8.229	168	471849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	876645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	766292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
3) Chloromethane	2.377	50	1215	Below Cal	#	42
4) Vinyl Chloride	2.530	62	1404	0.201	ug/l #	80
5) Bromomethane	2.983	94	1119	0.212	ug/l #	63
6) Chloroethane	3.130	64	1018	0.214	ug/l #	43
12) 1,1-Dichloroethene	4.353	96	115962	22.506	ug/l #	81
16) Acetone	4.441	43	1173	0.648	ug/l #	40
20) Methylene Chloride	5.300	84	2980	0.498	ug/l	96
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
25) 2-Butanone	7.518	43	588	0.211	ug/l #	12
27) cis-1,2-Dichloroethene	7.500	96	84379	12.729	ug/l	97
31) Cyclohexane	8.229	56	12095	1.499	ug/l #	42
36) 1,1-Dichloropropene	8.229	75	39621	4.983	ug/l #	48
38) Carbon Tetrachloride	8.229	117	54042	6.437	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	9797	1.204	ug/l	94
43) Isopropyl Acetate	8.765	43	2678	0.225	ug/l #	49
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
71) Bromoform	12.859	173	2119	0.544	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.876	83	321	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	173499	31.309	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	173499	96.190	ug/l #	15

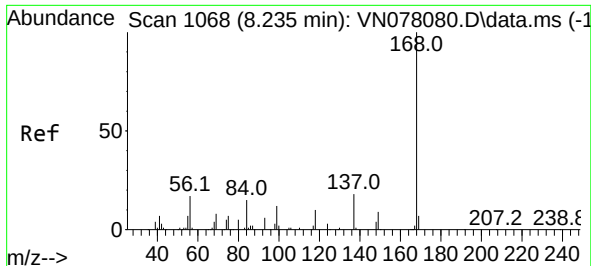
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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Response via : Initial Calibration

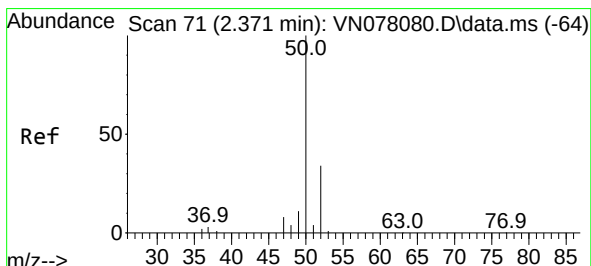
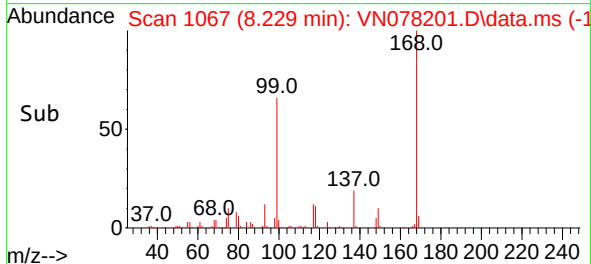
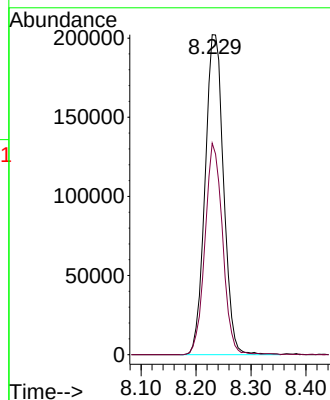
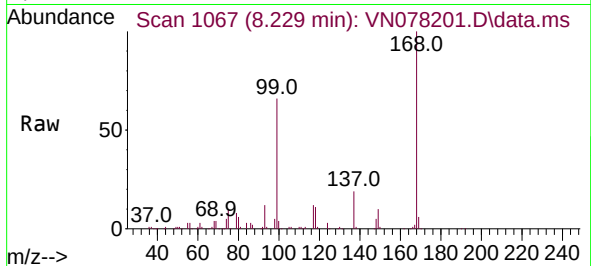




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

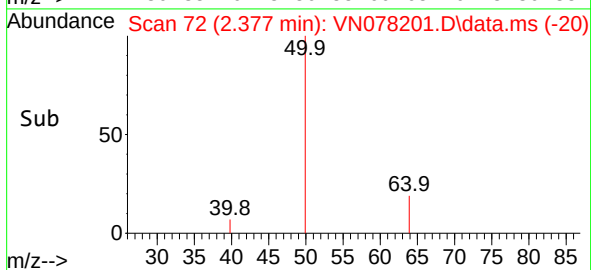
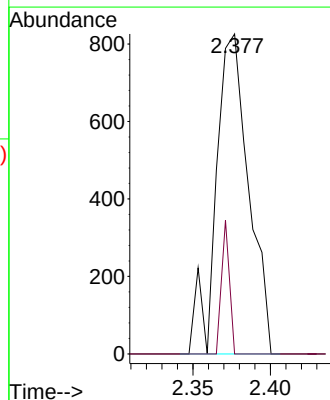
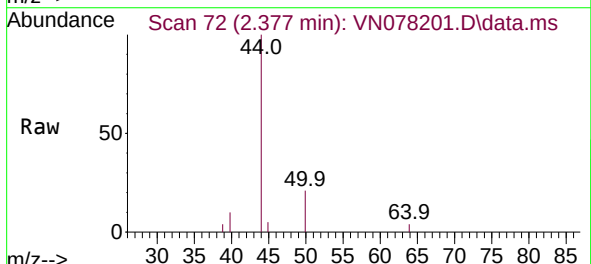
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

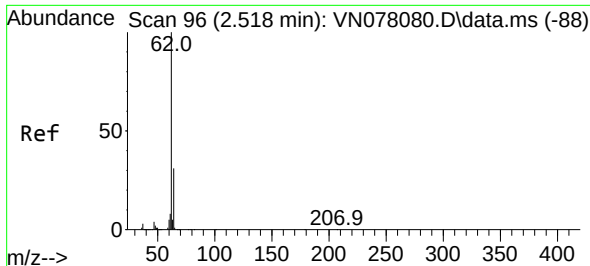
Tgt Ion:168 Resp: 471849
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion: 50 Resp: 1215
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

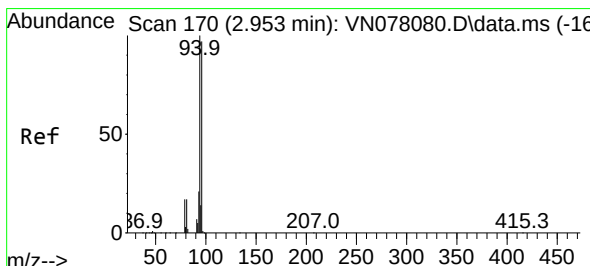
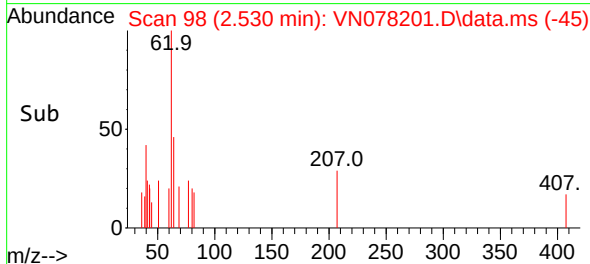
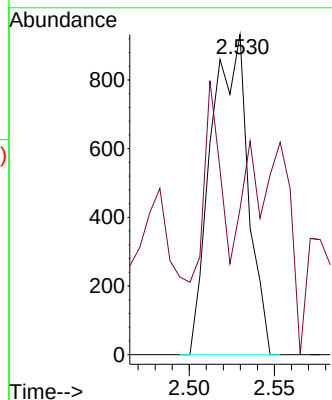
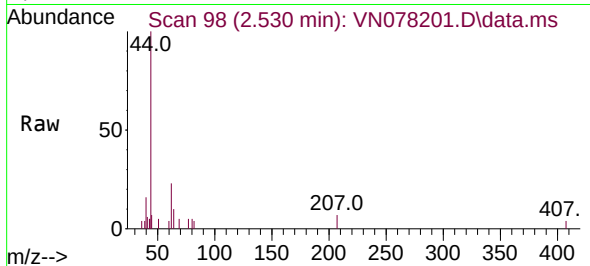




#4
 Vinyl Chloride
 Concen: 0.201 ug/l
 RT: 2.530 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VN078201.D
 Acq: 14 Jun 2023 13:20

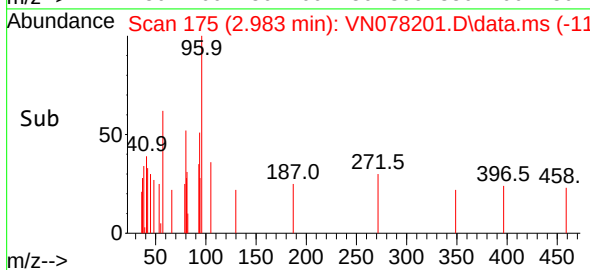
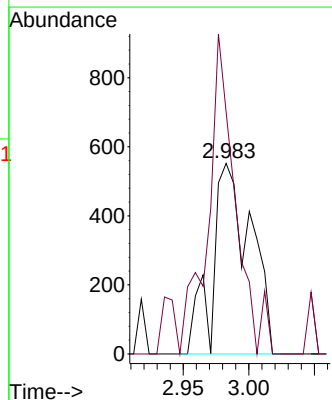
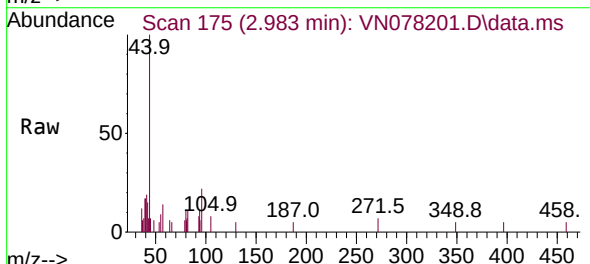
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-05-84-104-061323DL

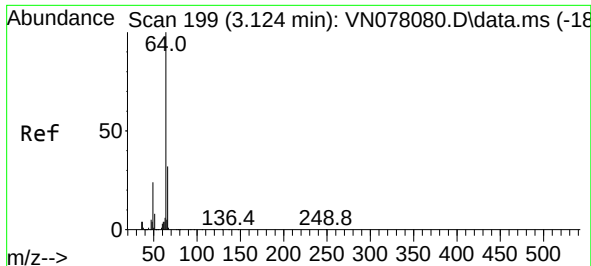
Tgt Ion: 62 Resp: 1404
 Ion Ratio Lower Upper
 62 100
 64 21.4 26.2 39.2#



#5
 Bromomethane
 Concen: 0.212 ug/l
 RT: 2.983 min Scan# 175
 Delta R.T. 0.029 min
 Lab File: VN078201.D
 Acq: 14 Jun 2023 13:20

Tgt Ion: 94 Resp: 1119
 Ion Ratio Lower Upper
 94 100
 96 127.0 73.1 109.7#

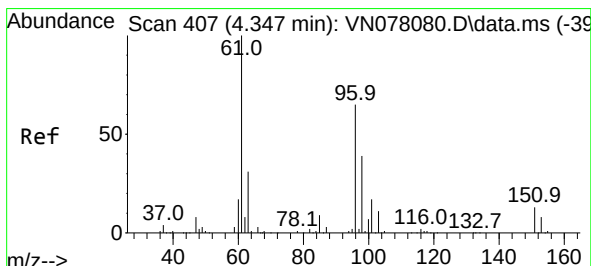
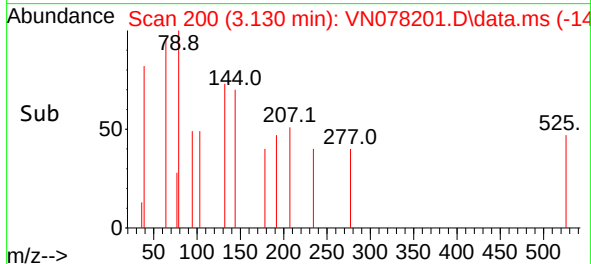
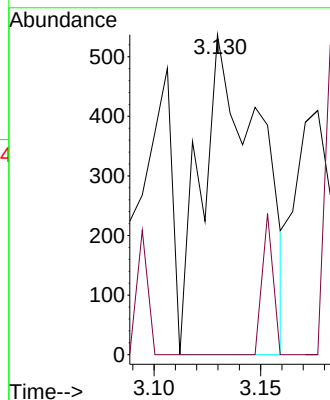
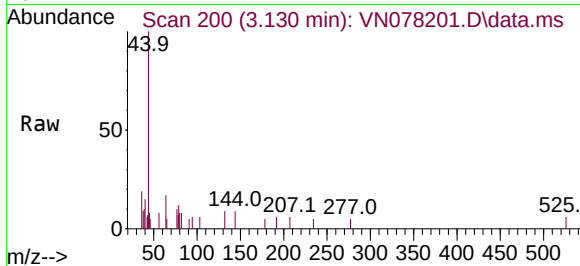




#6
Chloroethane
Concen: 0.214 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

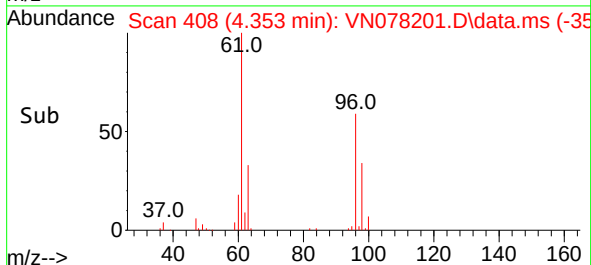
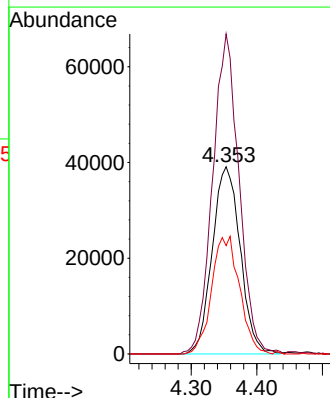
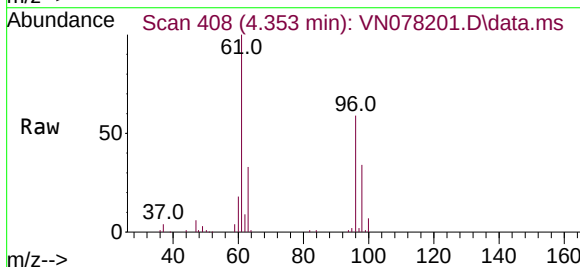
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

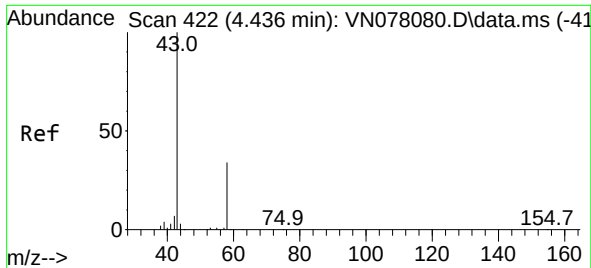
Tgt Ion: 64 Resp: 1018
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#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

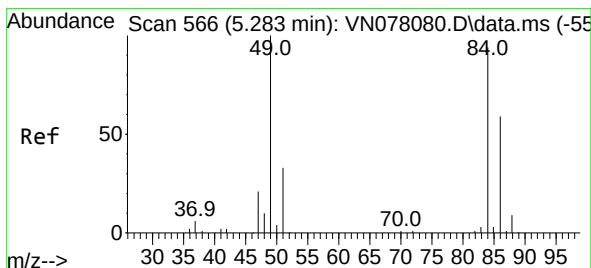
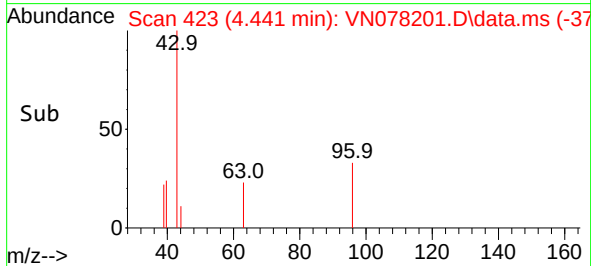
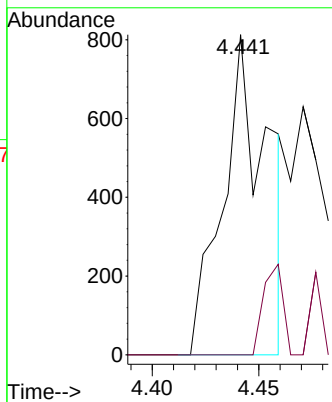
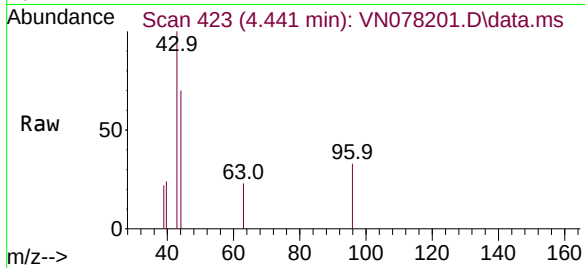




#16
Acetone
Concen: 0.648 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

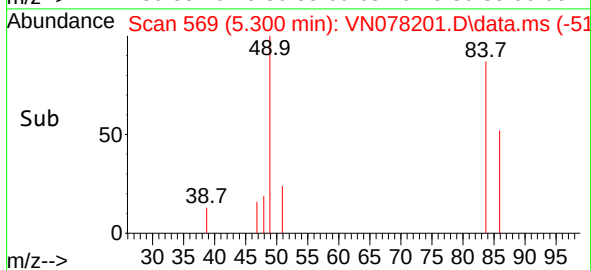
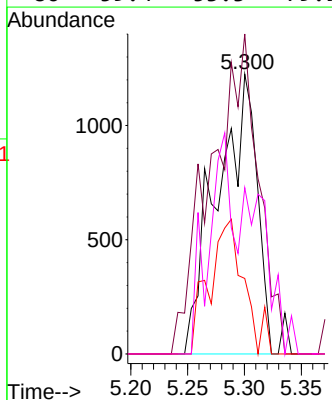
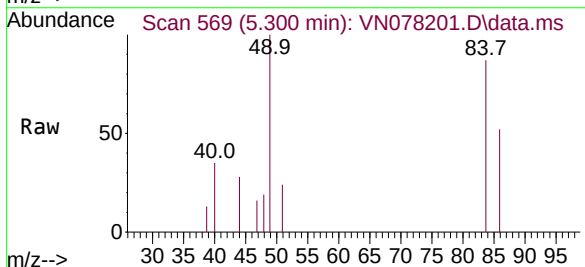
Instrument :
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ClientSampleId :
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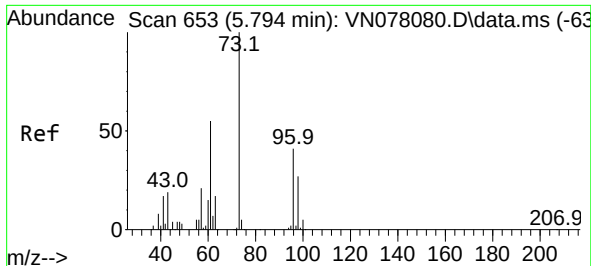
Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.498 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.018 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

Tgt Ion: 84 Resp: 2980
Ion Ratio Lower Upper
84 100
49 99.5 79.7 119.5
51 27.0 25.2 37.8
86 59.4 53.3 79.9

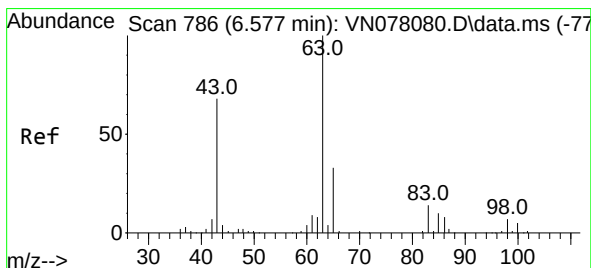
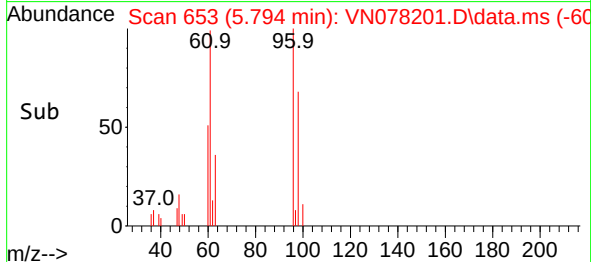
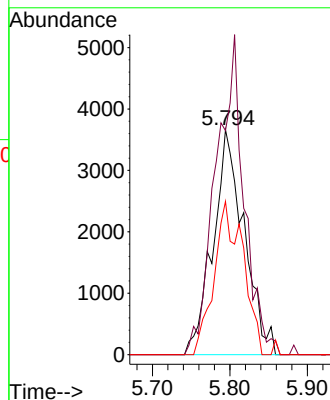
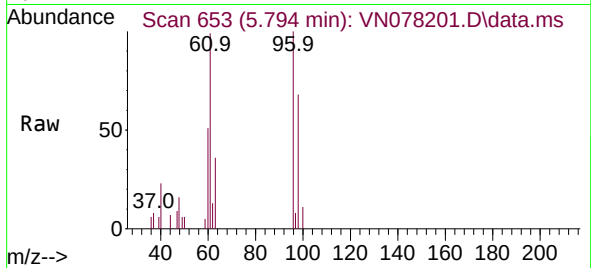




#21
trans-1,2-Dichloroethene
Concen: 1.837 ug/l
RT: 5.794 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

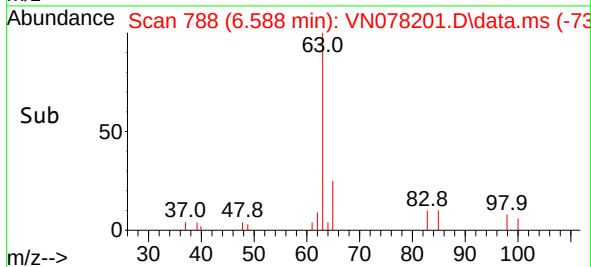
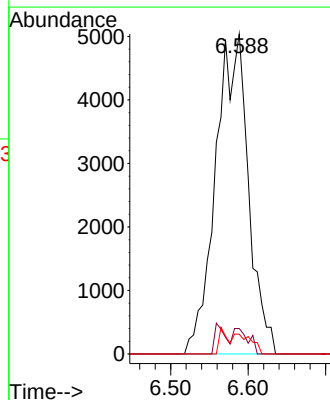
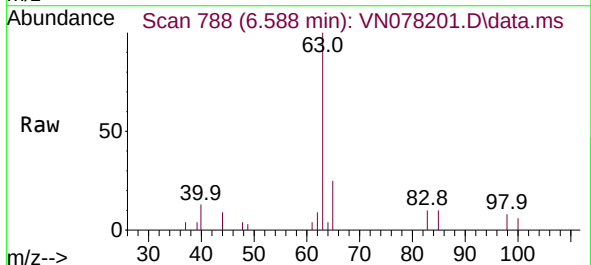
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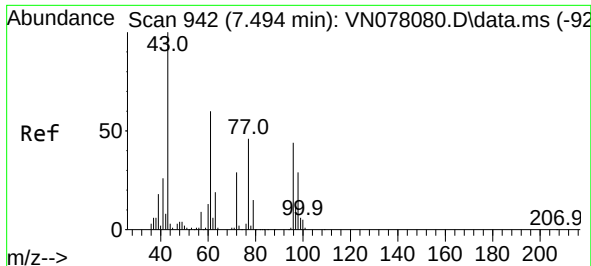
Tgt Ion: 96 Resp: 10208
Ion Ratio Lower Upper
96 100
61 99.5 90.1 135.1
98 68.1 46.4 69.6



#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

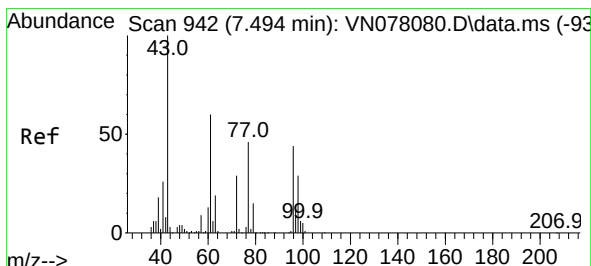
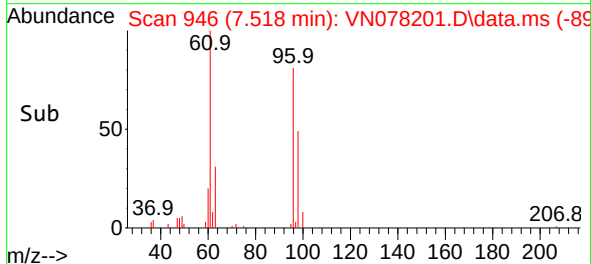
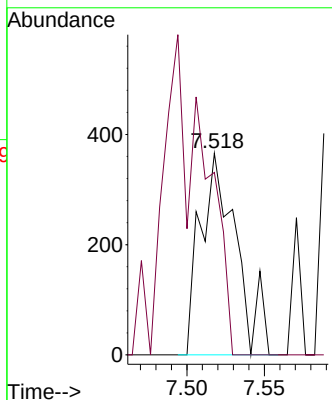
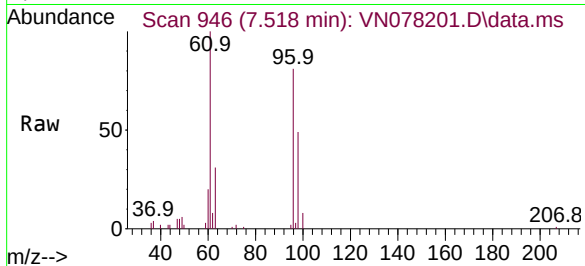




#25
2-Butanone
Concen: 0.211 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.023 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

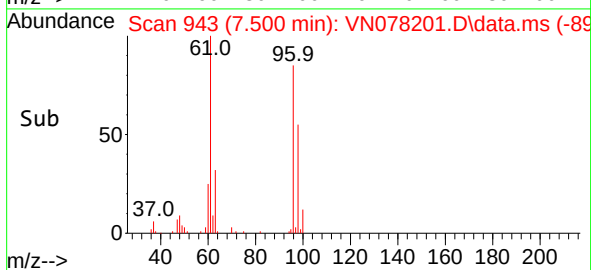
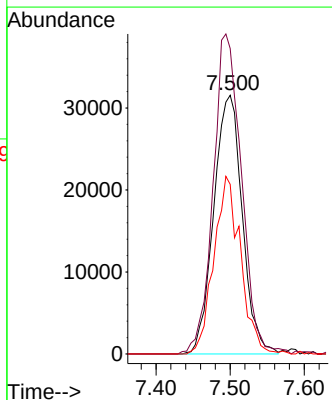
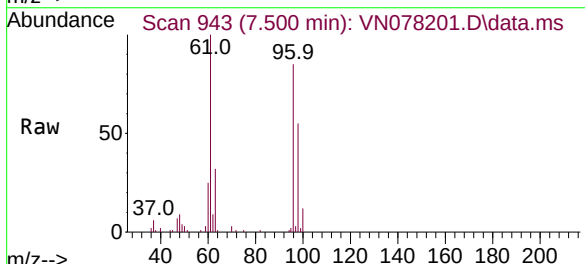
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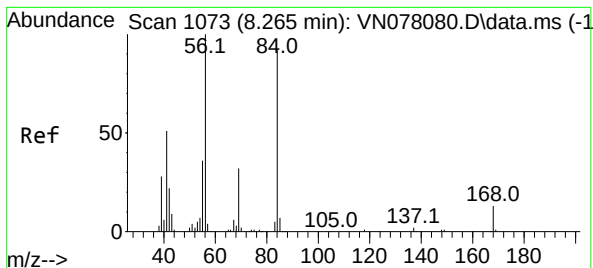
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
72 90.4 30.2 45.2#



#27
cis-1,2-Dichloroethene
Concen: 12.729 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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





#31

Cyclohexane

Concen: 1.499 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

Instrument :

MSVOA_N

ClientSampleId :

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

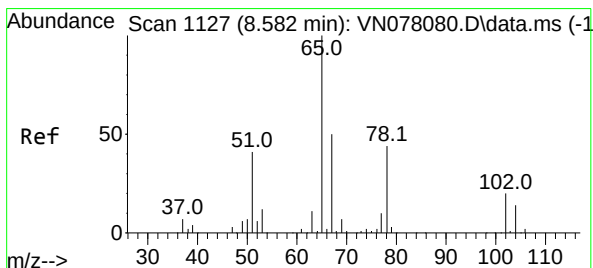
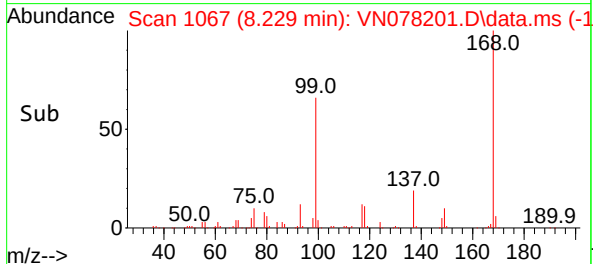
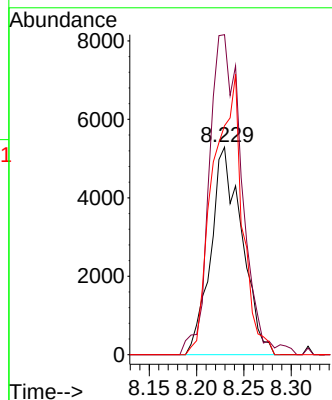
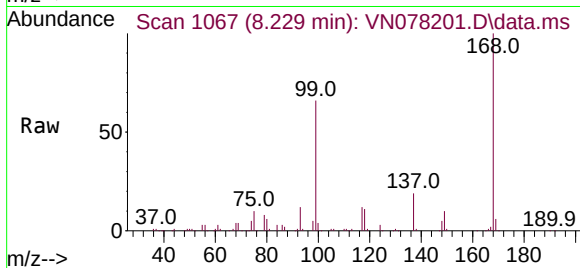
Tgt Ion: 56 Resp: 12095

Ion Ratio Lower Upper

56 100

69 154.2 26.8 40.2#

84 110.3 81.8 122.6



#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

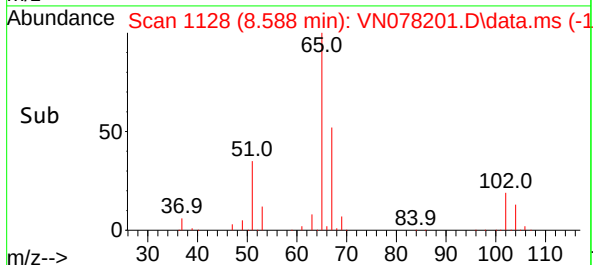
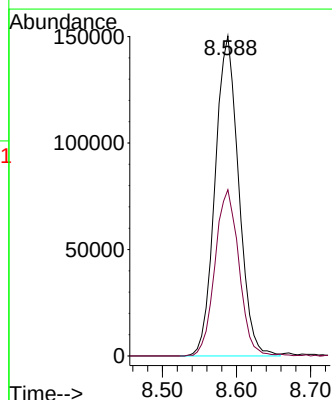
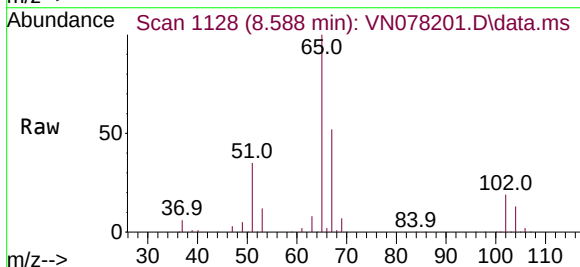
Acq: 14 Jun 2023 13:20

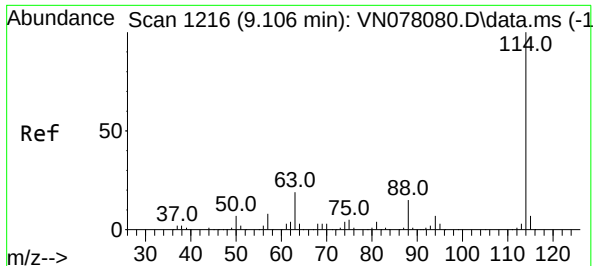
Tgt Ion: 65 Resp: 332320

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

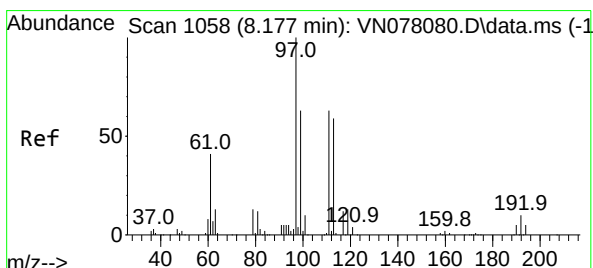
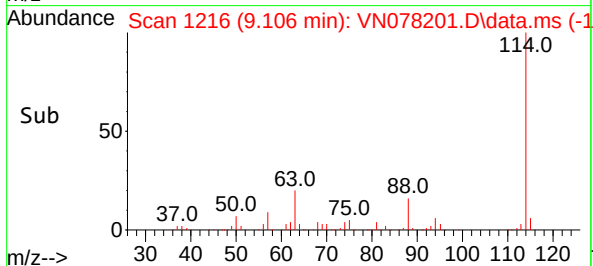
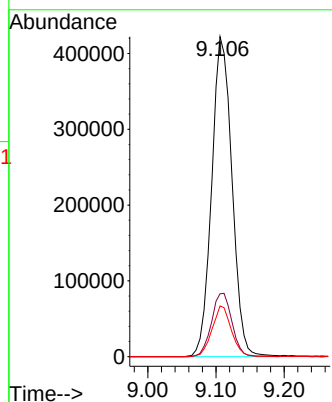
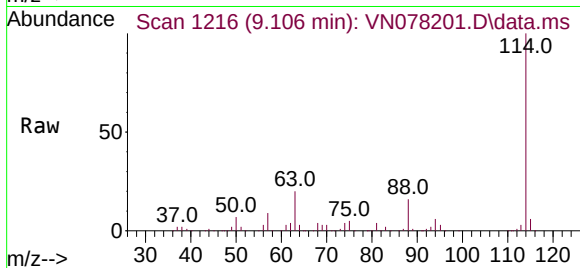
Tgt Ion:114 Resp: 876645

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

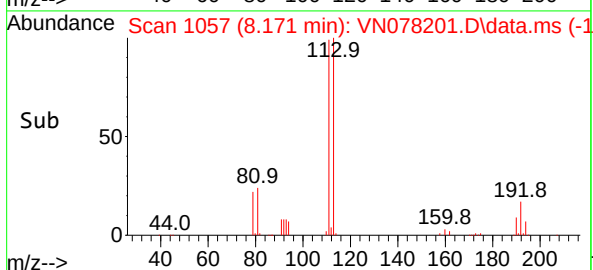
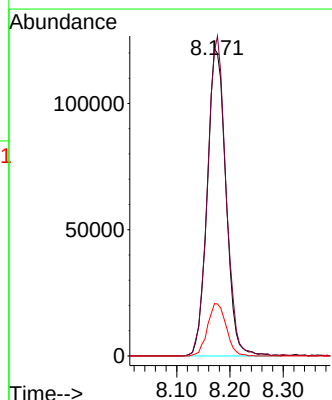
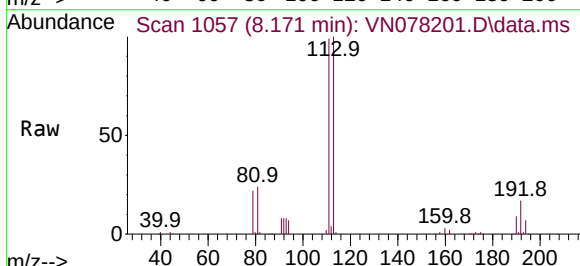
Tgt Ion:113 Resp: 296785

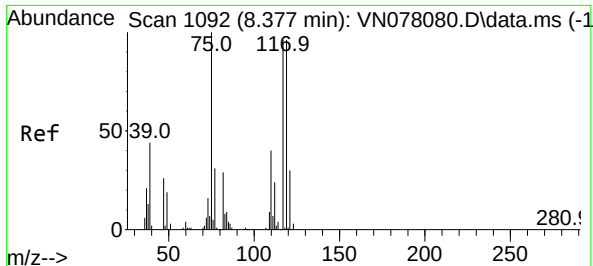
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.983 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

Instrument :

MSVOA_N

ClientSampleId :

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

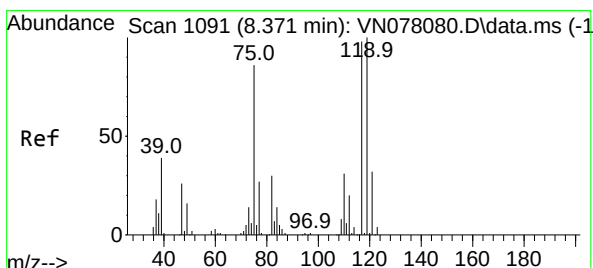
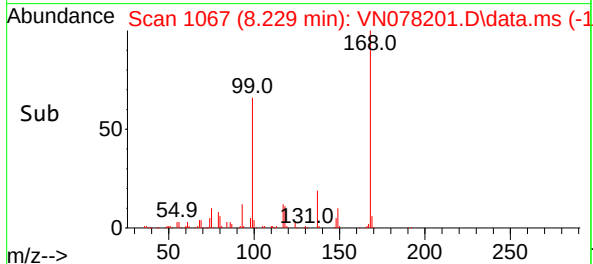
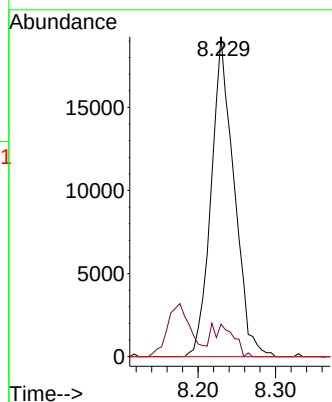
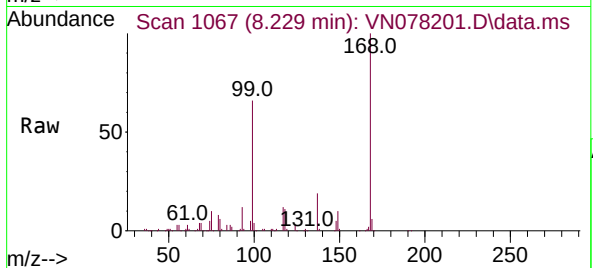
Tgt Ion: 75 Resp: 39621

Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.437 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

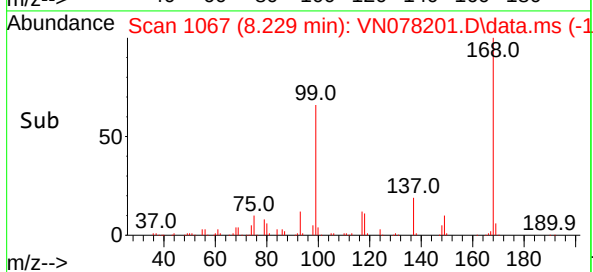
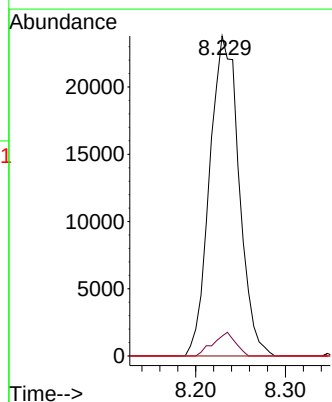
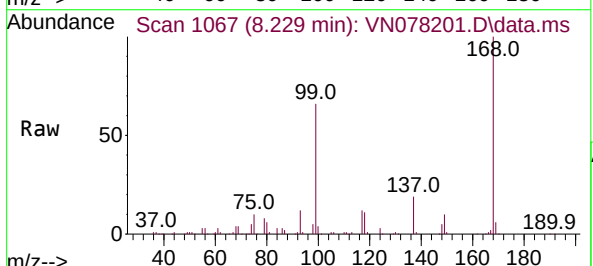
Tgt Ion: 117 Resp: 54042

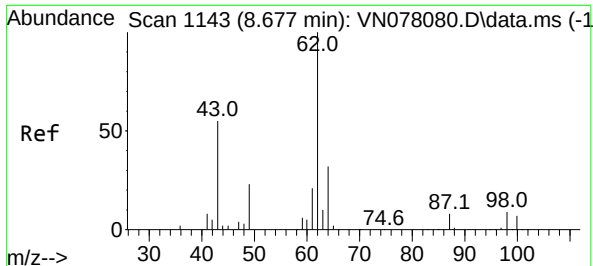
Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 23.3 34.9#





#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 :

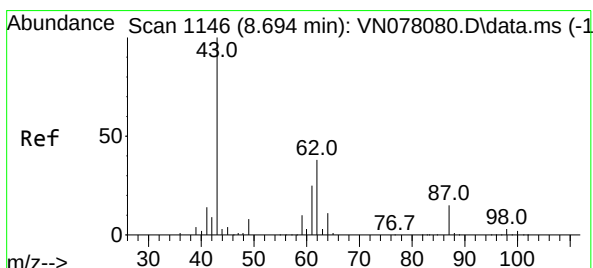
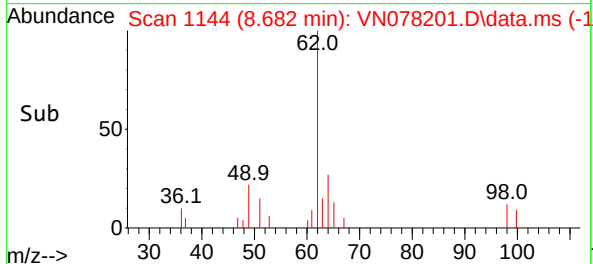
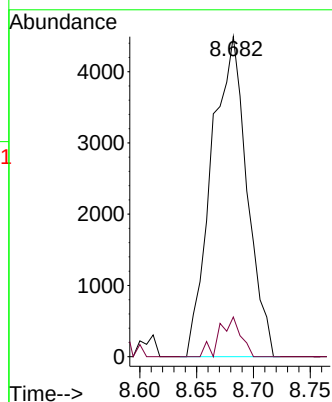
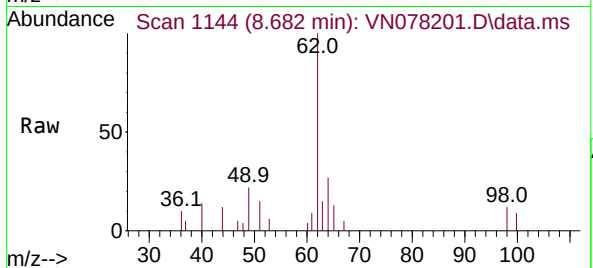
GWOW-BR-05-84-104-061323DL

Tgt Ion: 62 Resp: 9797

Ion Ratio Lower Upper

62 100

98 7.5 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.225 ug/l

RT: 8.765 min Scan# 1158

Delta R.T. 0.070 min

Lab File: VN078201.D

Acq: 14 Jun 2023 13:20

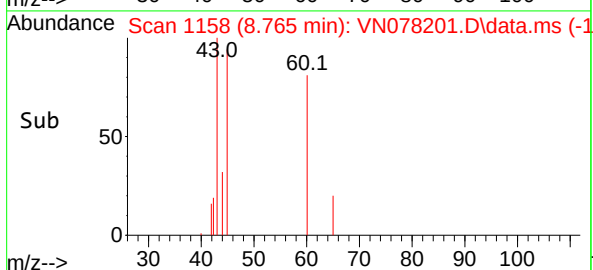
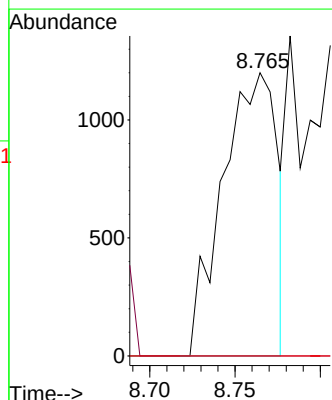
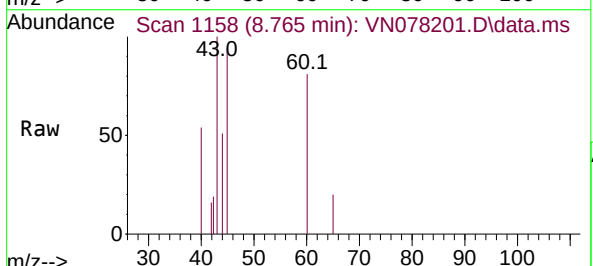
Tgt Ion: 43 Resp: 2678

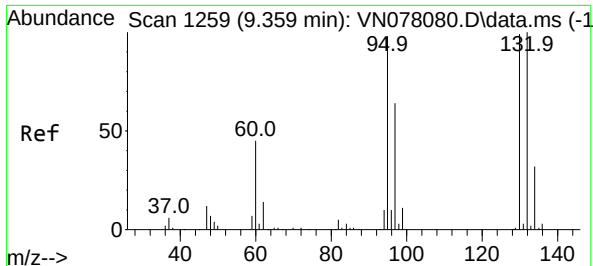
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

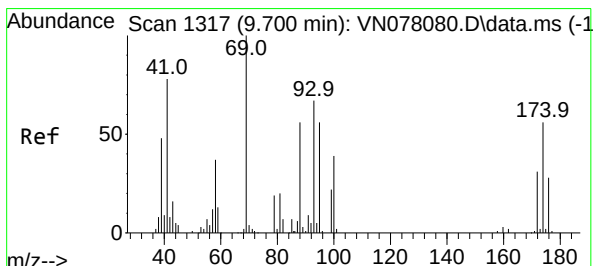
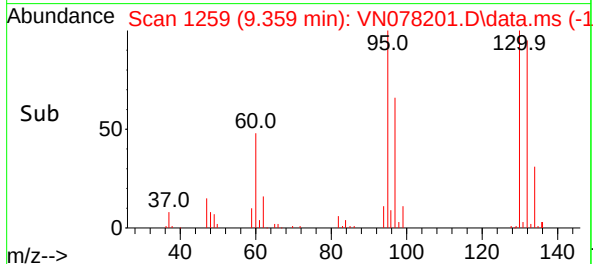
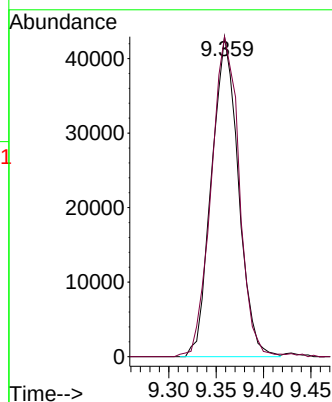
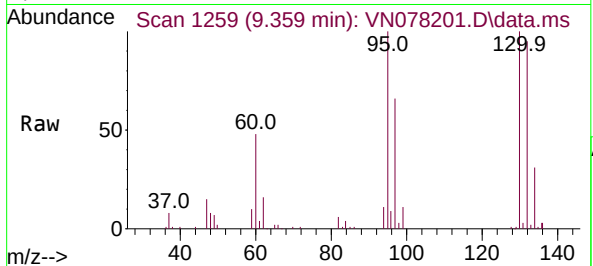




#44
Trichloroethene
Concen: 13.485 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

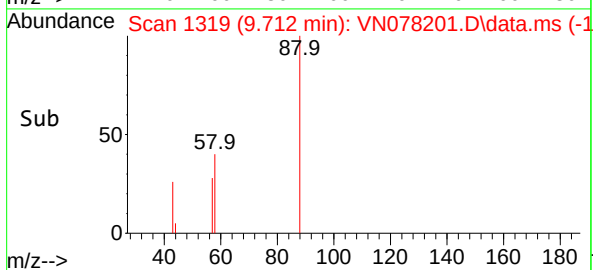
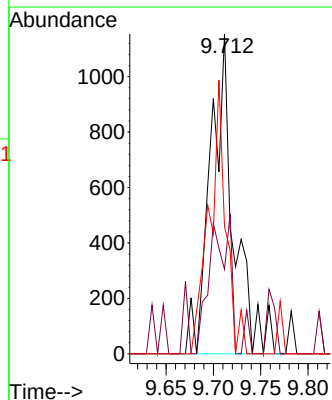
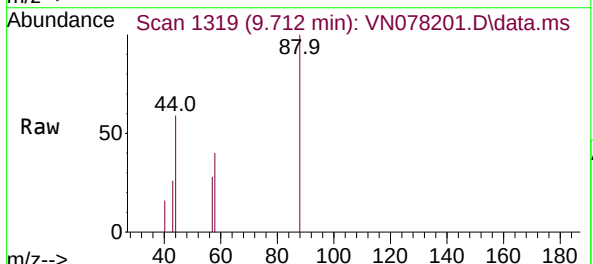
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

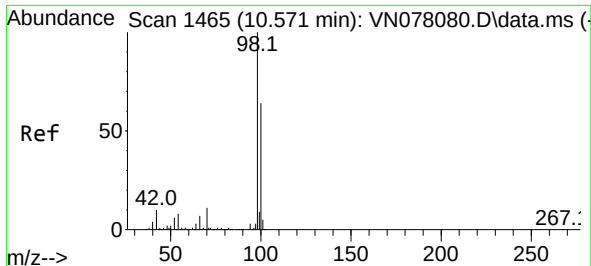
Tgt Ion:130 Resp: 84527
Ion Ratio Lower Upper
130 100
95 99.3 0.0 204.6



#49
1,4-Dioxane
Concen: 19.156 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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

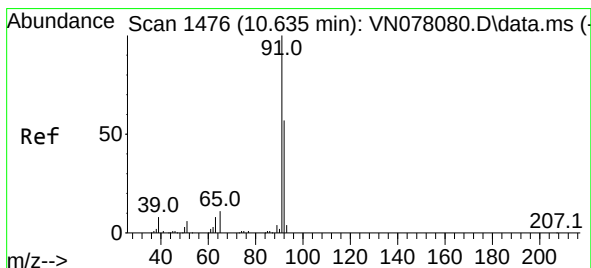
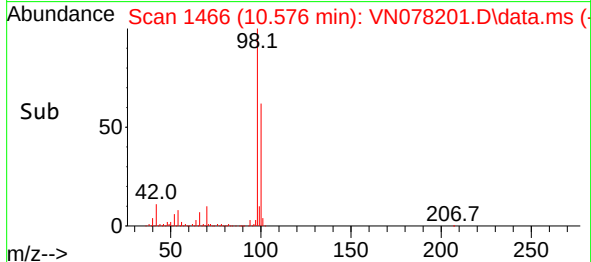
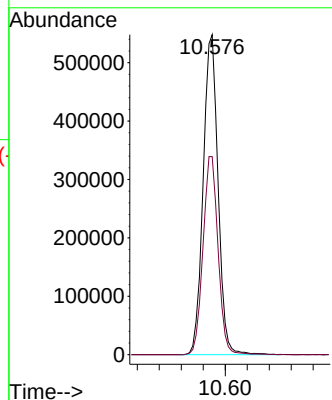
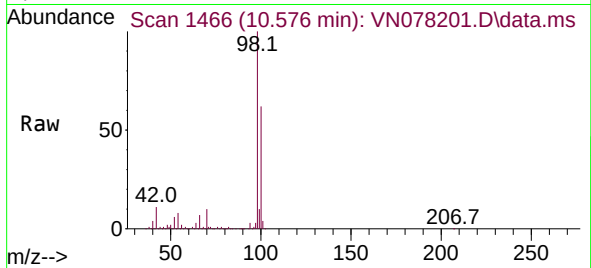




#50
Toluene-d8
Concen: 48.186 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

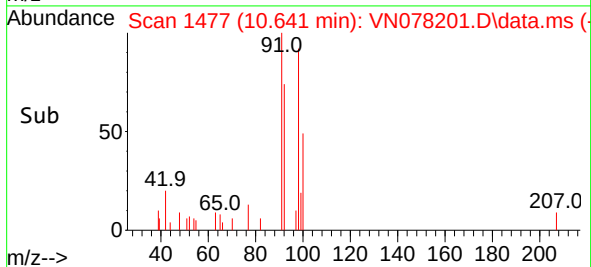
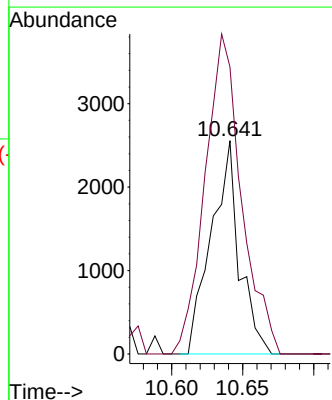
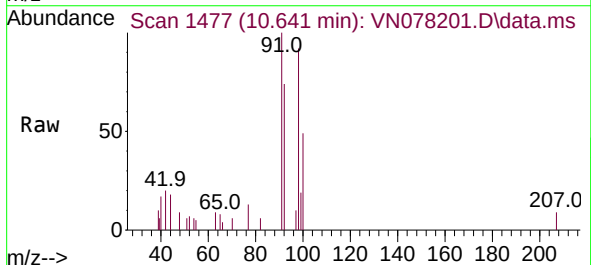
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

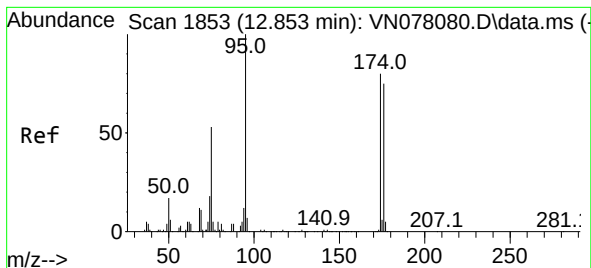
Tgt Ion: 98 Resp: 1029663
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0



#52
Toluene
Concen: 0.235 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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

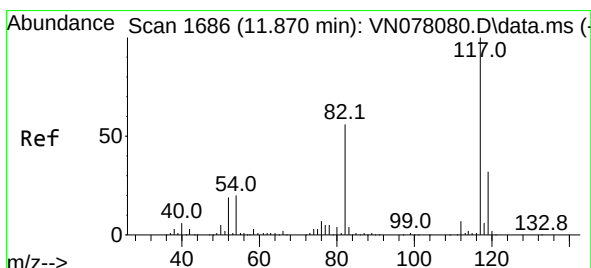
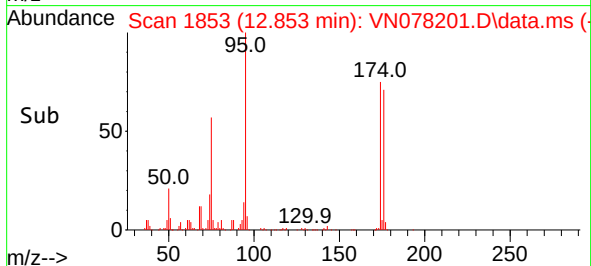
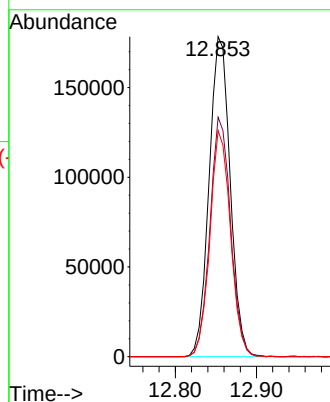
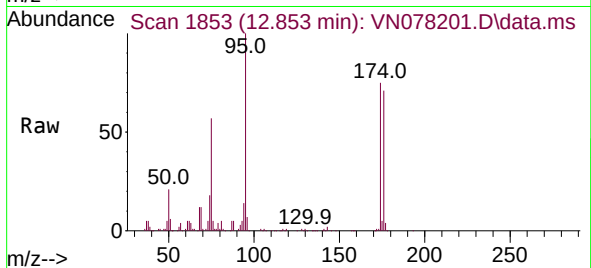




#62
4-Bromofluorobenzene
Concen: 48.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

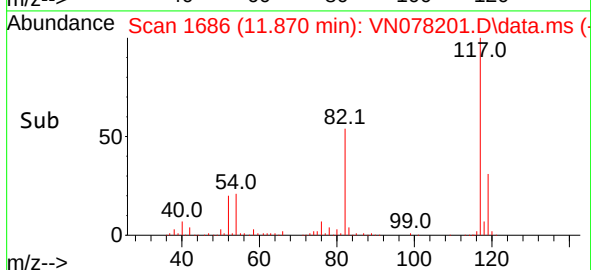
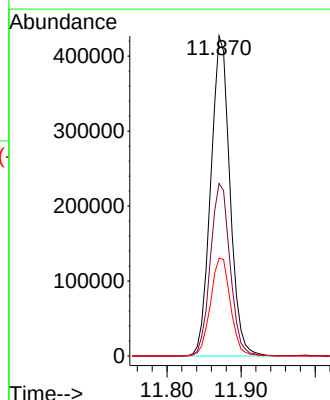
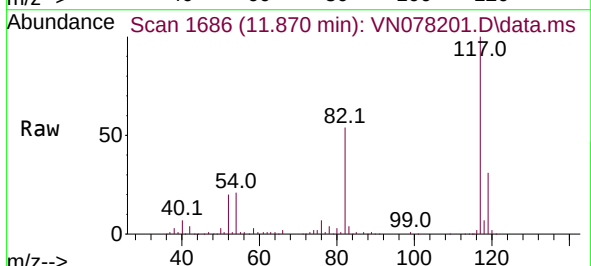
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

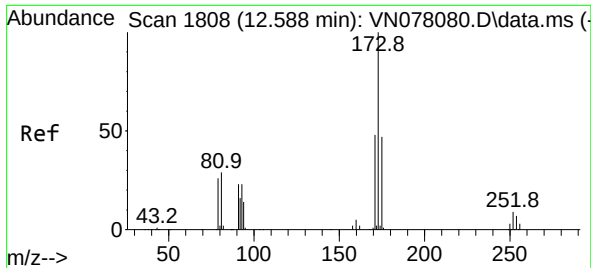
Tgt Ion: 95 Resp: 321151
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

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

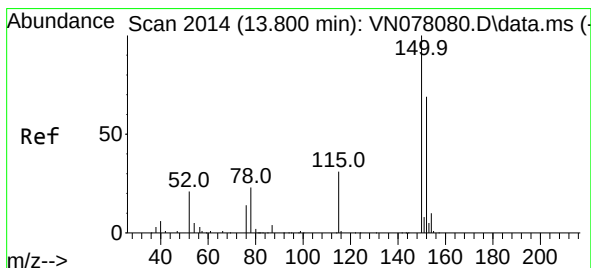
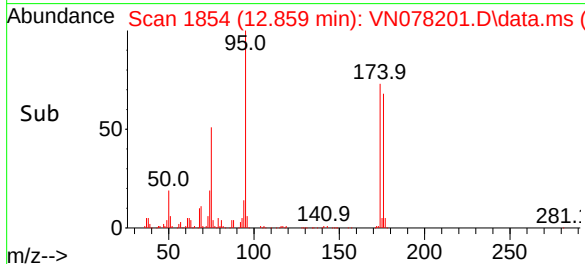
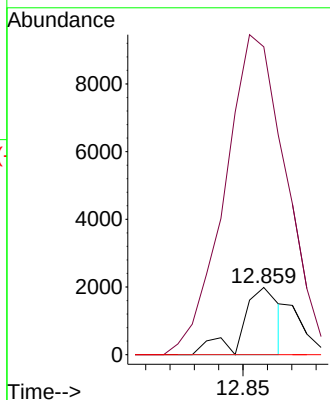
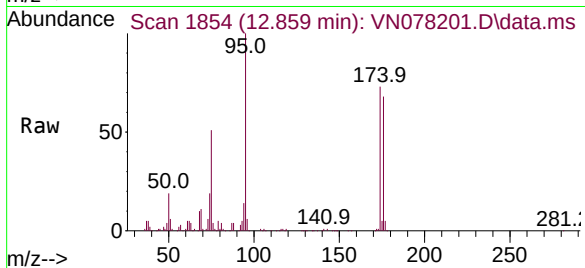




#71
Bromoform
Concen: 0.544 ug/l
RT: 12.859 min Scan# 1808
Delta R.T. 0.270 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

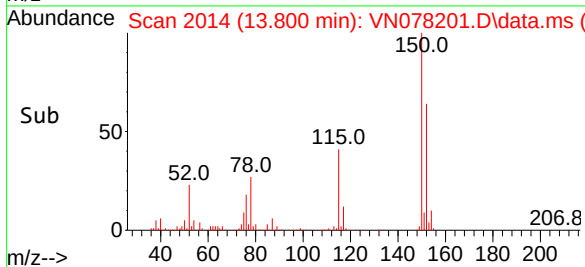
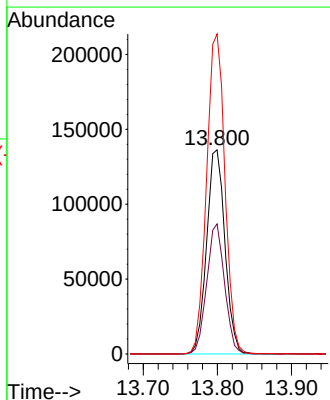
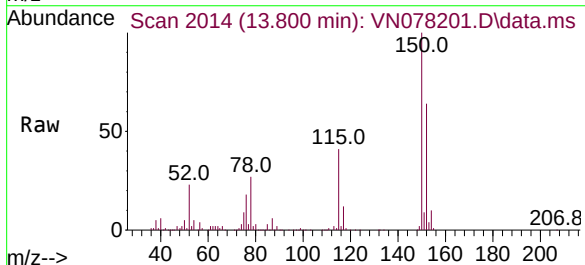
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-05-84-104-061323DL

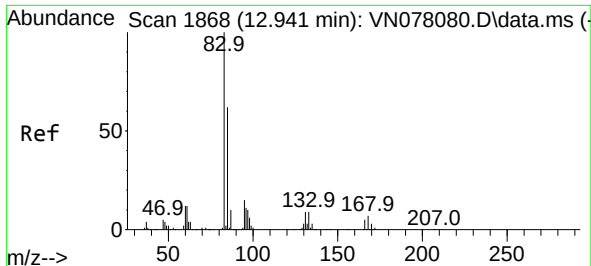
Tgt Ion:173 Resp: 2119
Ion Ratio Lower Upper
173 100
175 663.5 24.3 73.0#
254 0.0 0.0 0.0



#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

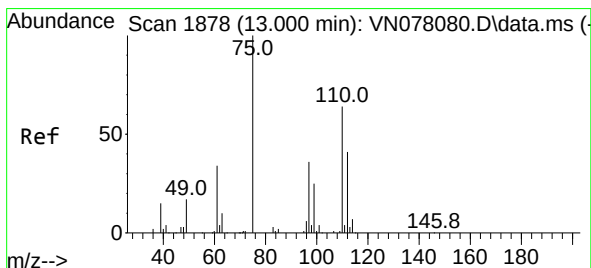
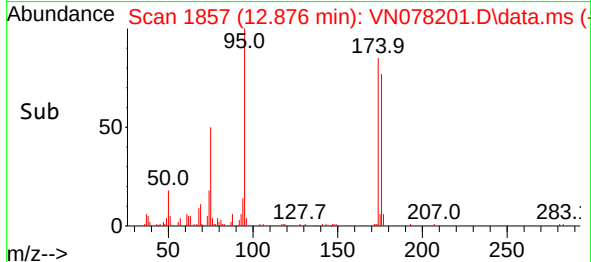
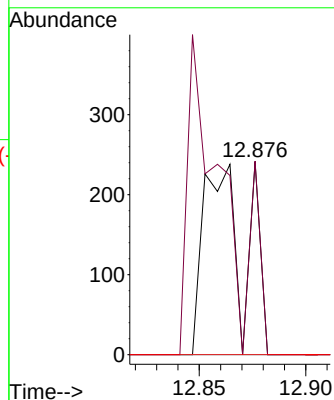
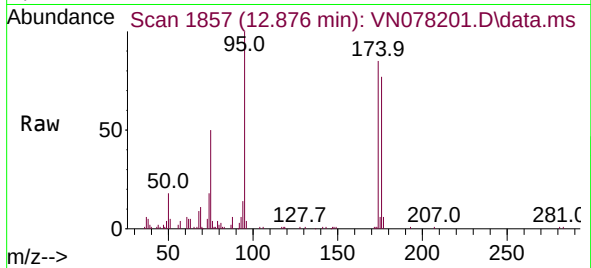




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.876 min Scan# 1853
Delta R.T. -0.065 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

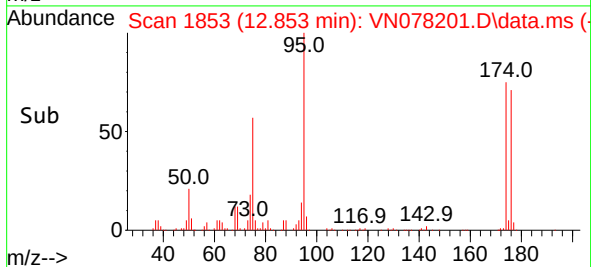
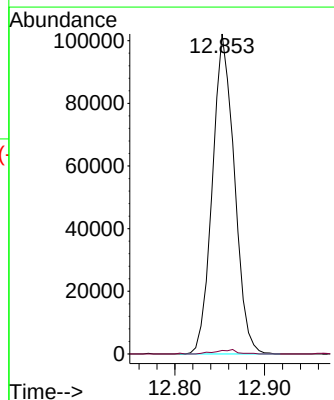
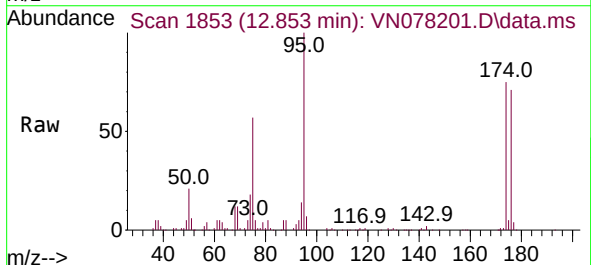
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-05-84-104-061323DL

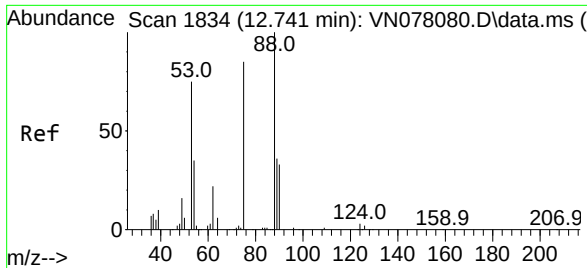
Tgt Ion: 83 Resp: 321
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.309 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078201.D
Acq: 14 Jun 2023 13:20

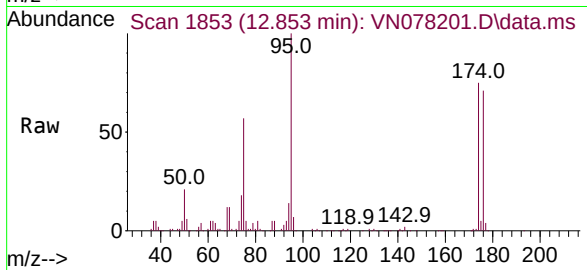
Tgt Ion: 75 Resp: 173499
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.190 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078201.D
 Acq: 14 Jun 2023 13:20

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



Tgt Ion: 75 Resp: 173499
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

