

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076228.D
 Acq On : 12 Jan 2023 14:15
 Operator : JC\MD
 Sample : 01126-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-04-478.6-499.6-011123

Quant Time: Jan 13 01:59:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

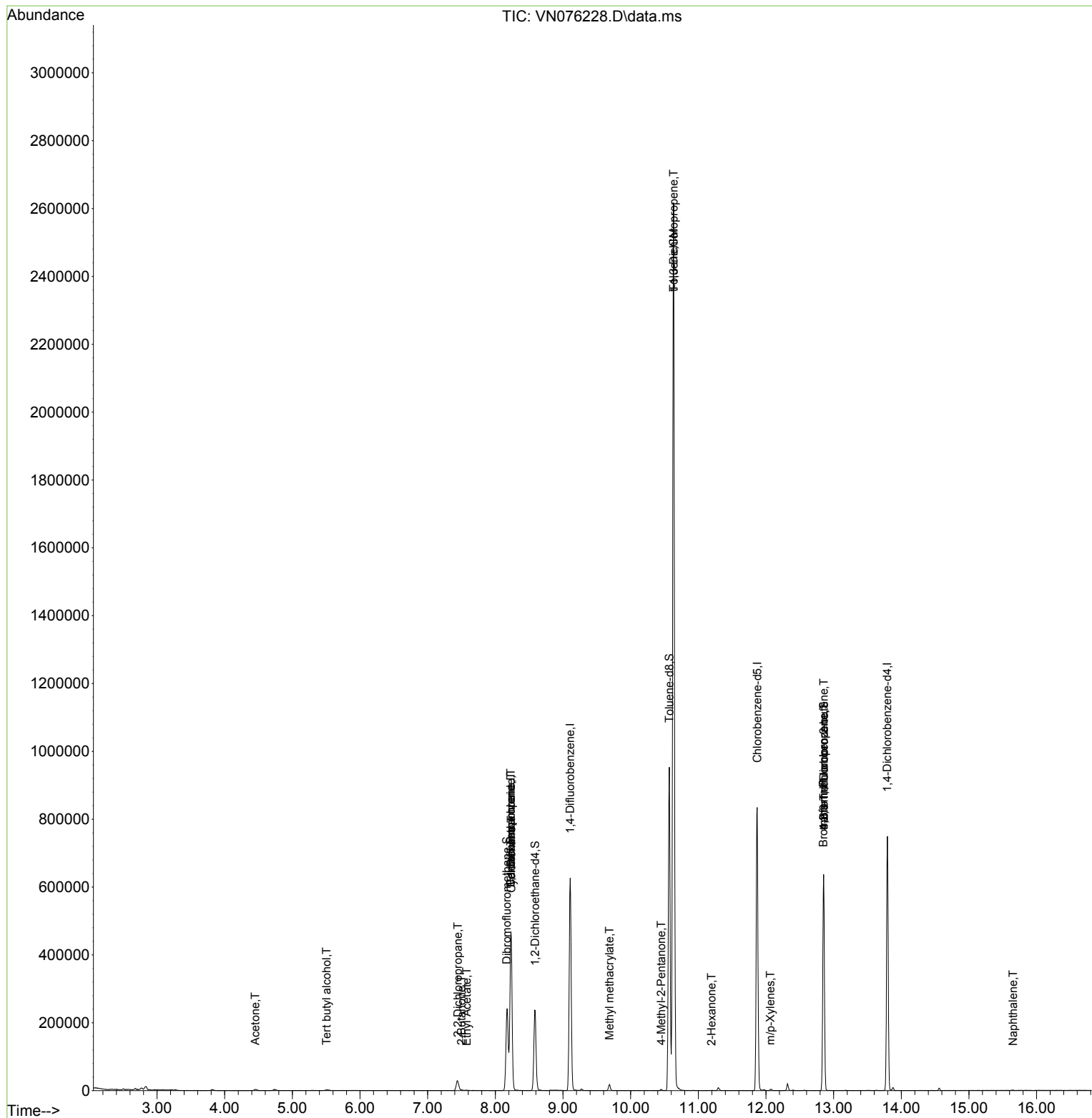
Internal Standards						
1) Pentafluorobenzene	8.230	168	366018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	576873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	511631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	192196	48.267	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.540%		
35) Dibromofluoromethane	8.171	113	172075	48.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.571	98	667502	49.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.853	95	212925	48.129	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.260%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.506	59	1020	1.810	ug/l #	72
16) Acetone	4.453	43	7173	5.226	ug/l #	86
20) Methylene Chloride	5.289	84	470	Below Cal	#	56
25) 2-Butanone	7.500	43	2330	1.212	ug/l #	85
26) 2,2-Dichloropropane	7.447	77	1758	0.338	ug/l #	50
31) Cyclohexane	8.235	56	7059	1.238	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	27721	5.841	ug/l #	49
37) Ethyl Acetate	7.577	43	1530	0.401	ug/l #	72
38) Carbon Tetrachloride	8.230	117	36368	6.847	ug/l #	16
48) Methyl methacrylate	9.688	41	8517	3.007	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	2341	0.616	ug/l	94
52) Toluene	10.635	92	1204227	126.281	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	13891	2.738	ug/l #	1
59) 2-Hexanone	11.194	43	568	0.205	ug/l	66
68) m/p-Xylenes	12.065	106	1661	0.237	ug/l	88
71) Bromoform	12.847	173	1834	0.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	109790	25.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109790	92.007	ug/l #	12
95) Naphthalene	15.653	128	1547	2.305	ug/l #	74

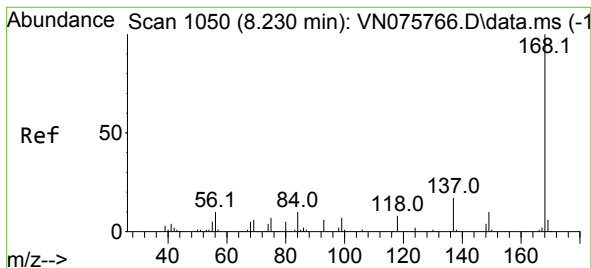
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

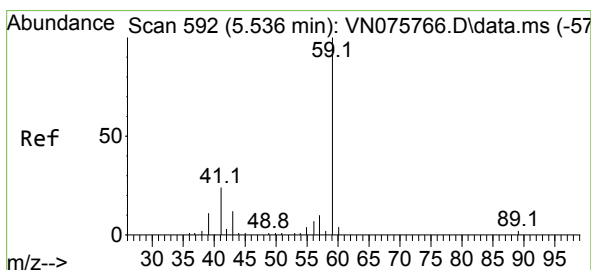
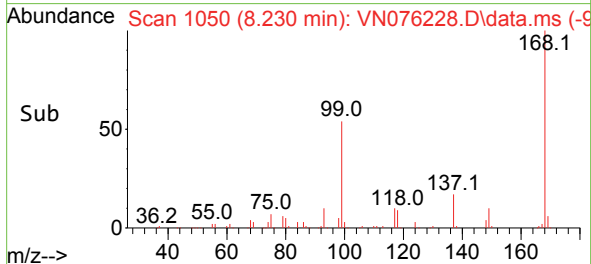
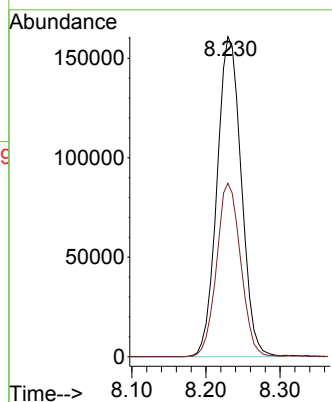
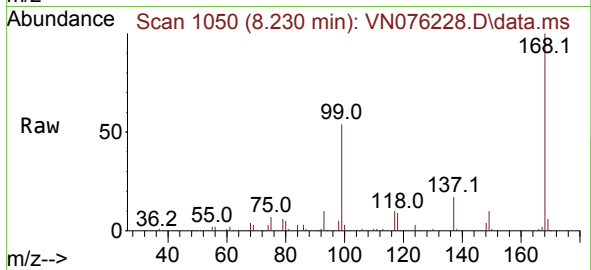




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

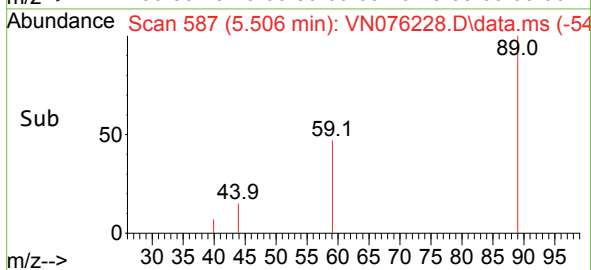
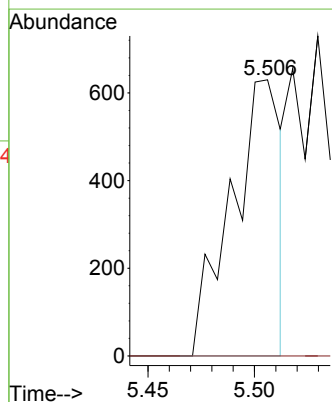
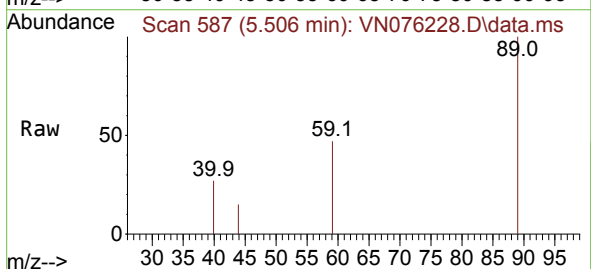
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-04-478.6-499.6-011123

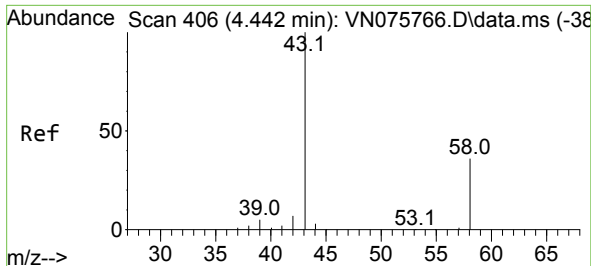
Tgt Ion:168 Resp: 366018
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.810 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.030 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 59 Resp: 1020
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

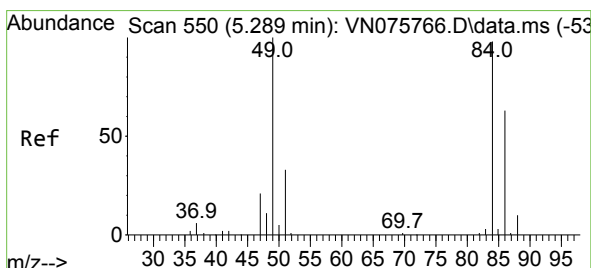
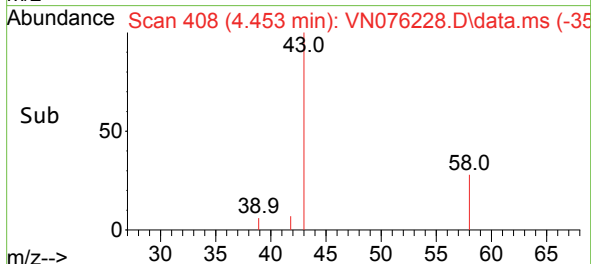
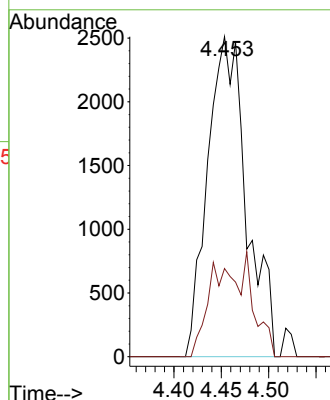
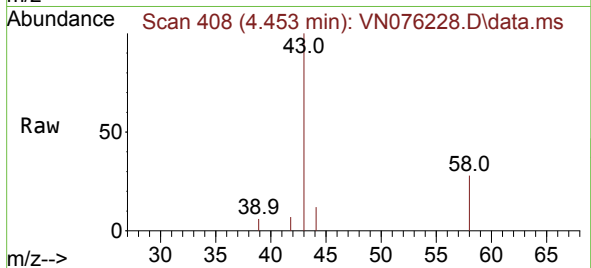




#16
Acetone
Concen: 5.226 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

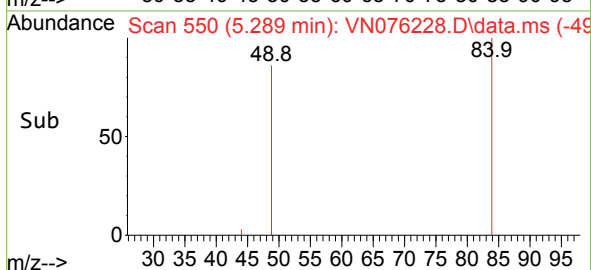
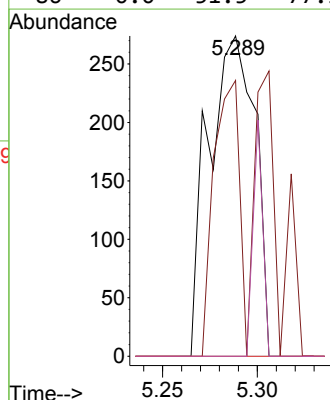
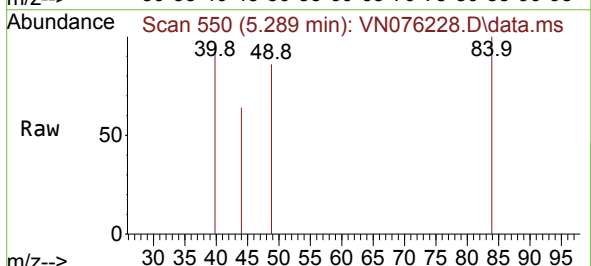
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-478.6-499.6-011123

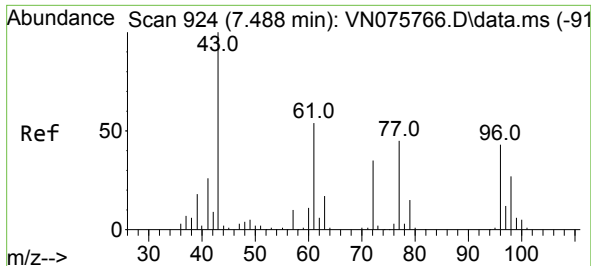
Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
58 27.6 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 86.1 81.8 122.6
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

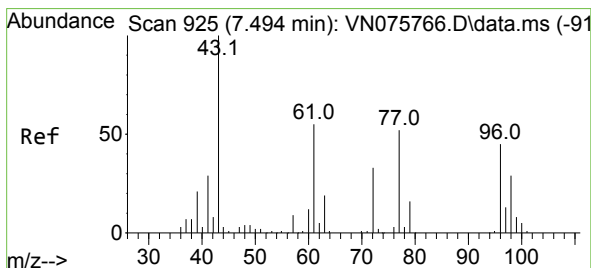
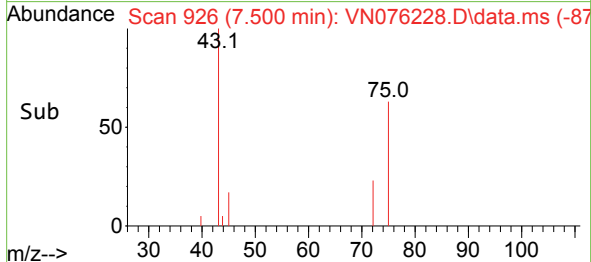
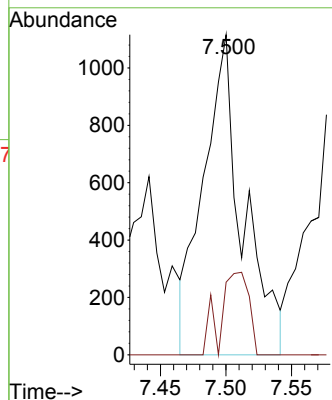
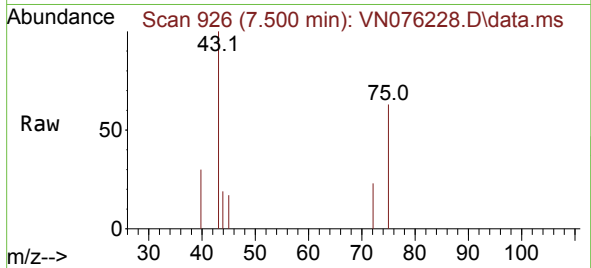




#25
2-Butanone
Concen: 1.212 ug/l
RT: 7.500 min Scan# 917
Delta R.T. 0.012 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

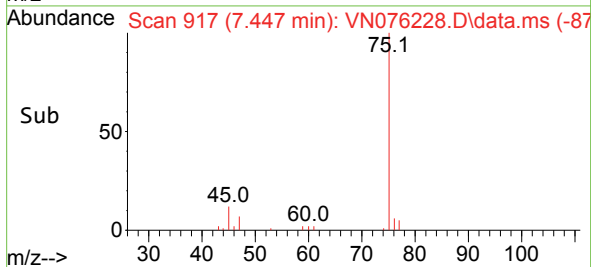
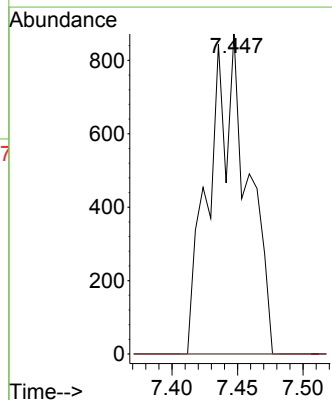
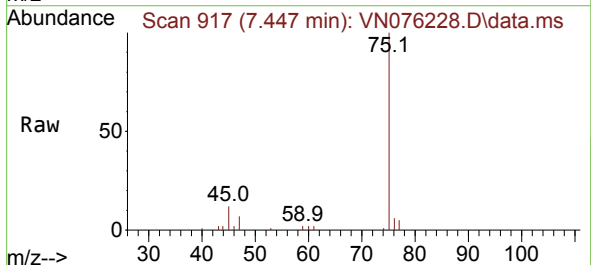
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-478.6-499.6-011123

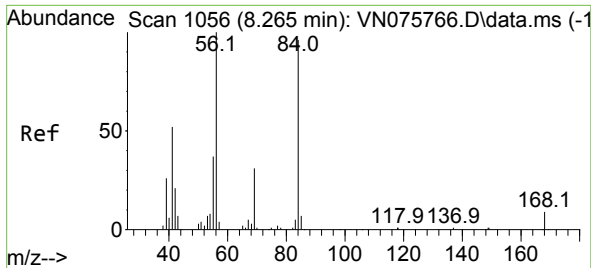
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
72 26.3 28.0 42.0#



#26
2,2-Dichloropropane
Concen: 0.338 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.047 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

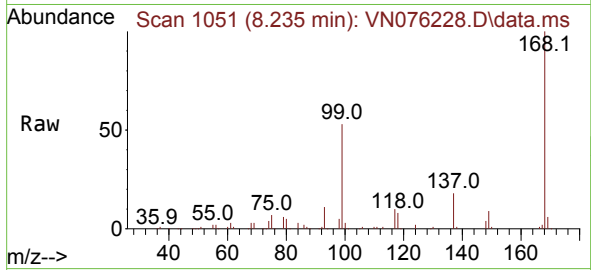
Tgt Ion: 77 Resp: 1758
Ion Ratio Lower Upper
77 100
97 0.0 12.7 38.0#



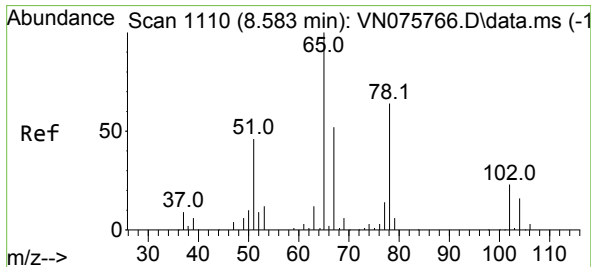
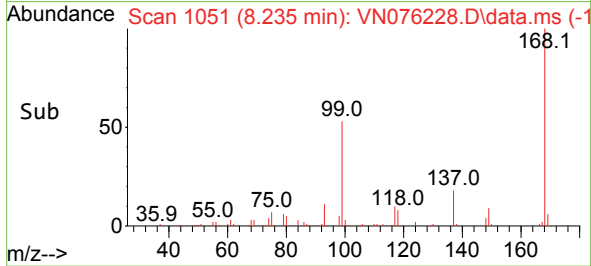
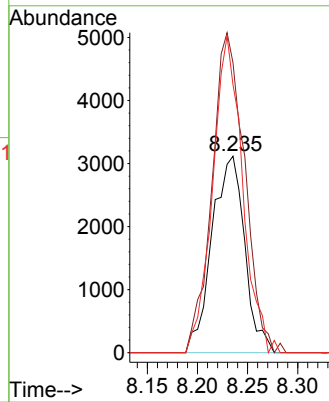


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.235 min Scan# 1056
Delta R.T. -0.030 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Instrument : MSVOA_N
ClientSampleId : GWOW-BR-04-478.6-499.6-011123

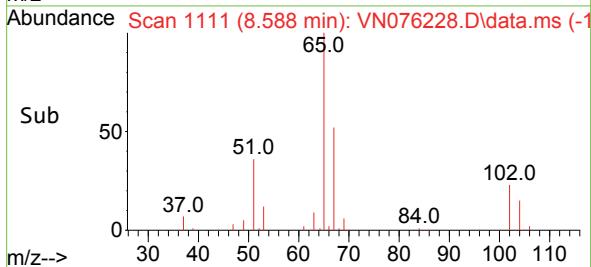
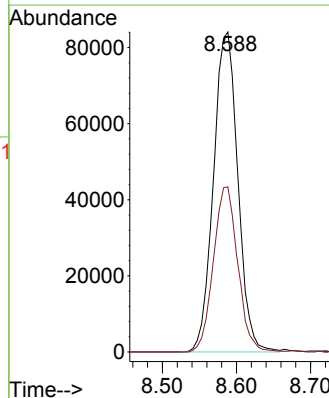
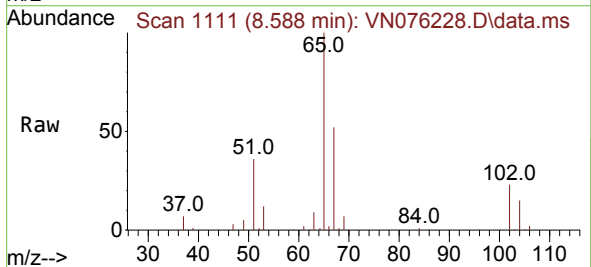


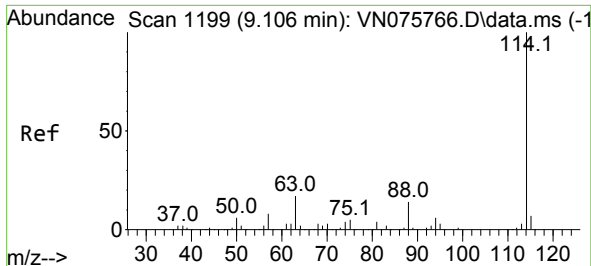
Tgt Ion: 56 Resp: 7059
Ion Ratio Lower Upper
56 100
69 147.6 24.7 37.1#
84 136.4 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.267 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 65 Resp: 192196
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-478.6-499.6-011123

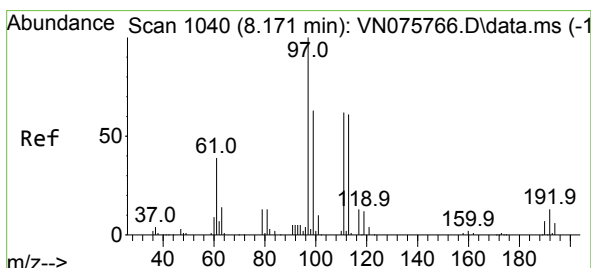
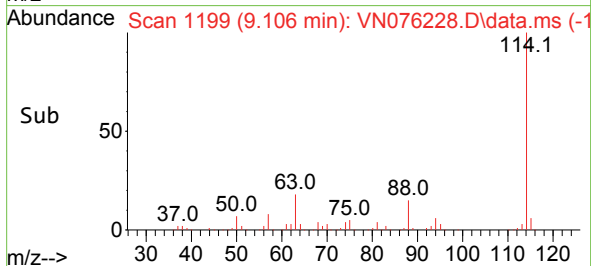
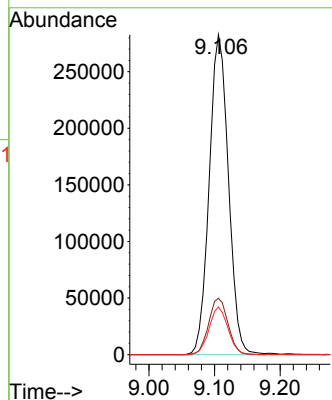
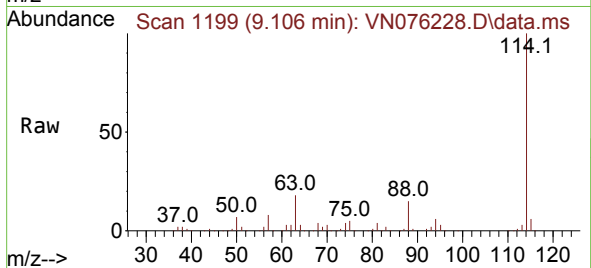
Tgt Ion:114 Resp: 576873

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.167 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

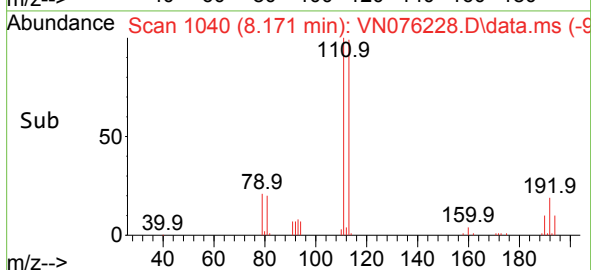
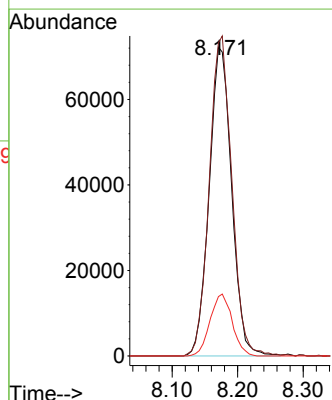
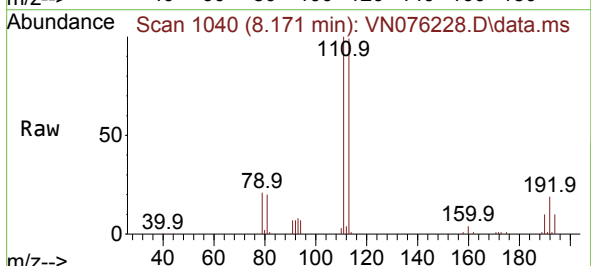
Tgt Ion:113 Resp: 172075

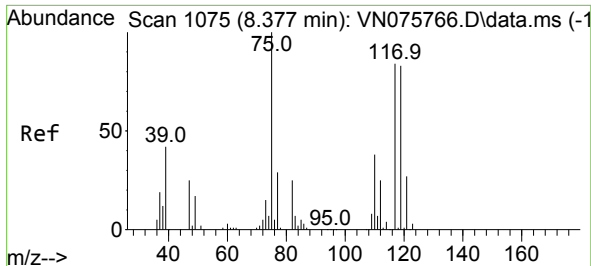
Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

192 19.7 16.1 24.1

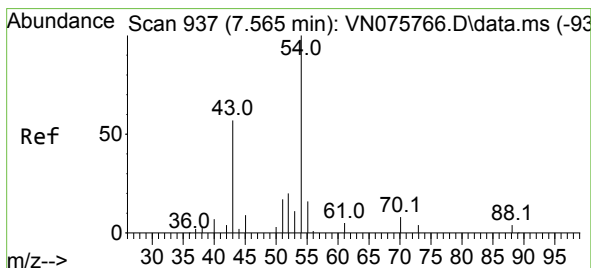
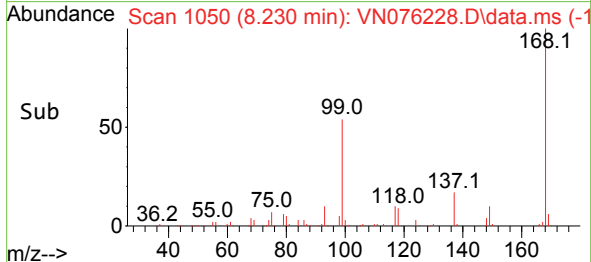
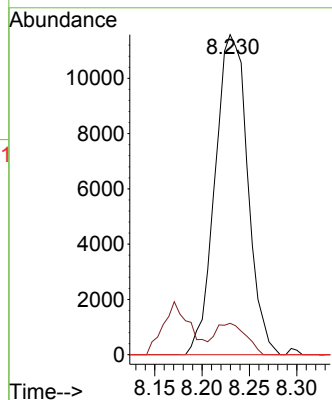
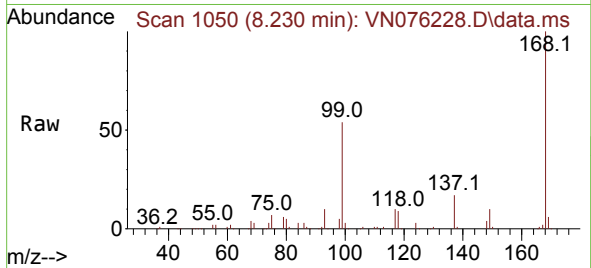




#36
1,1-Dichloropropene
Concen: 5.841 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

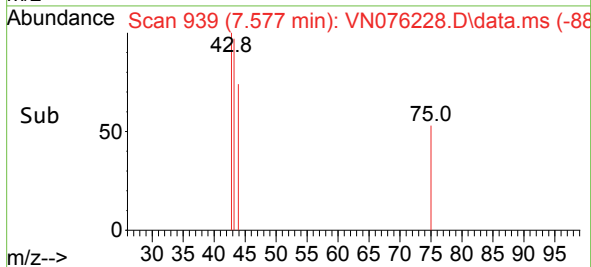
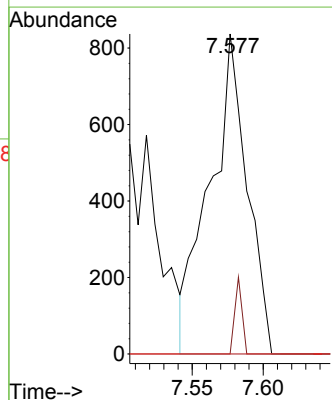
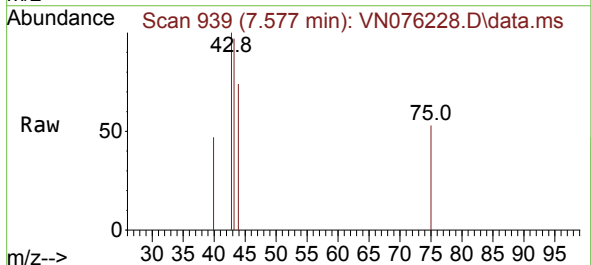
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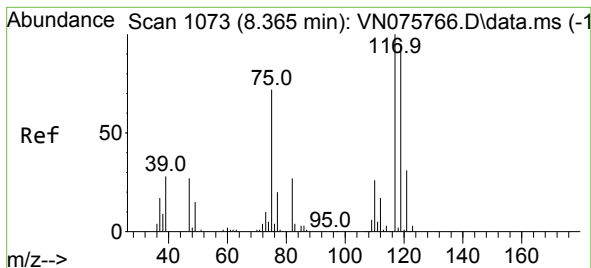
Tgt Ion: 75 Resp: 27721
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 0.401 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
61 4.6 13.0 19.4#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.847 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076228.D

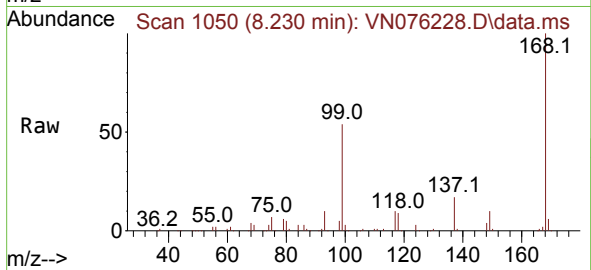
Acq: 12 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-478.6-499.6-011123



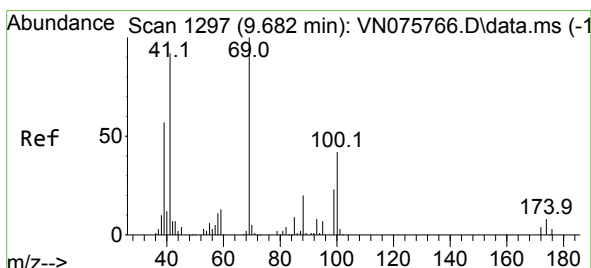
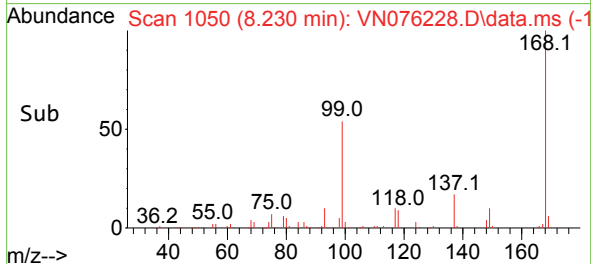
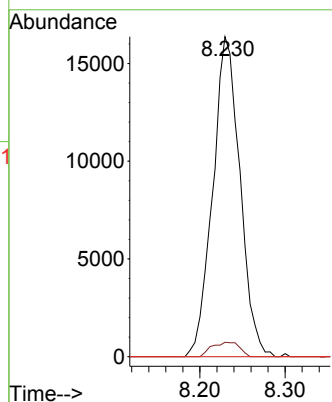
Tgt Ion:117 Resp: 36368

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

121 0.0 24.5 36.7#



#48

Methyl methacrylate

Concen: 3.007 ug/l

RT: 9.688 min Scan# 1298

Delta R.T. 0.006 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

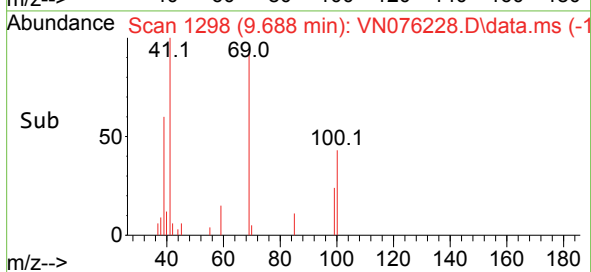
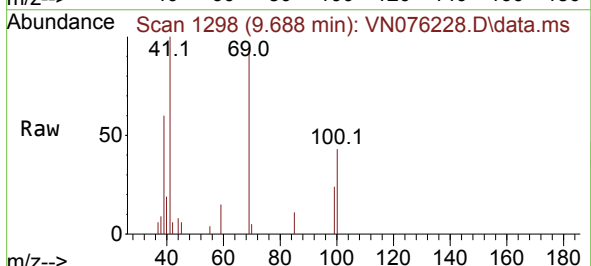
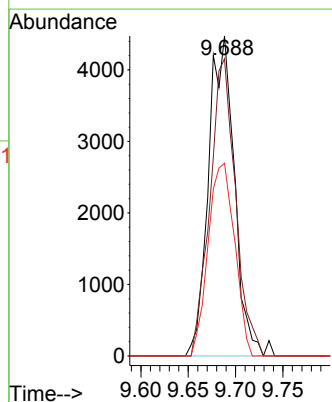
Tgt Ion: 41 Resp: 8517

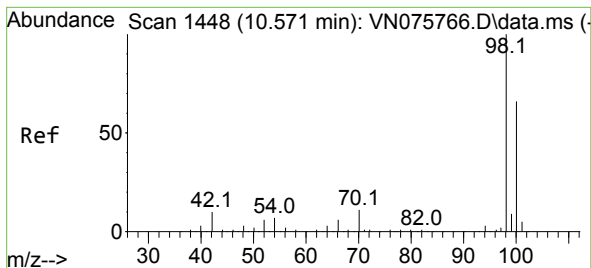
Ion Ratio Lower Upper

41 100

69 91.7 81.9 122.9

39 61.6 51.6 77.4

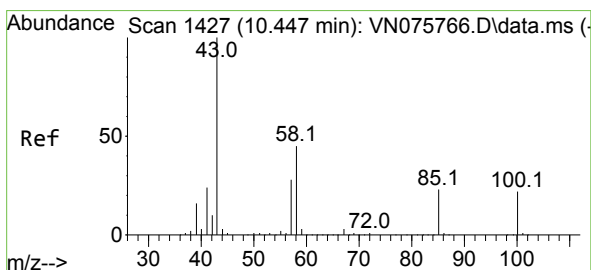
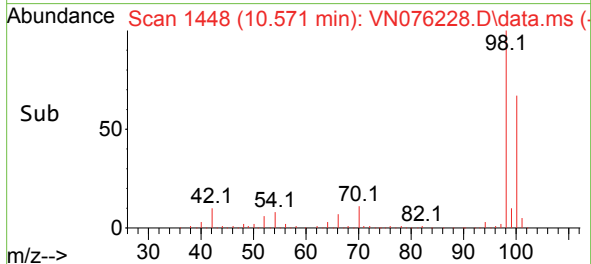
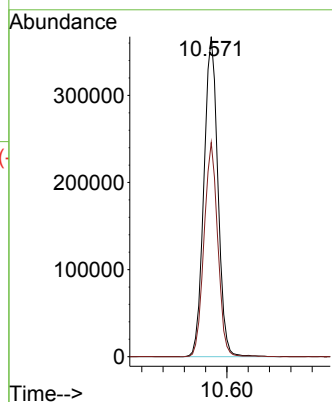
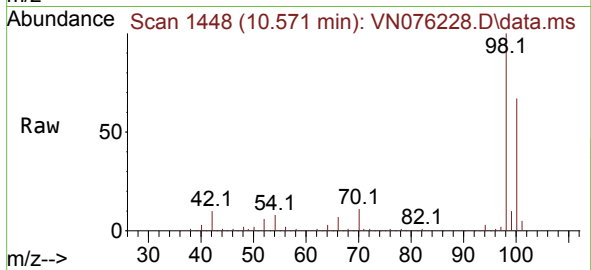




#50
Toluene-d8
Concen: 49.973 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

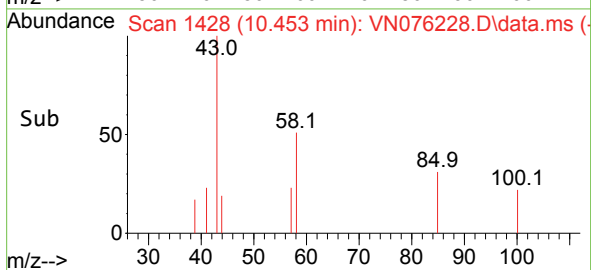
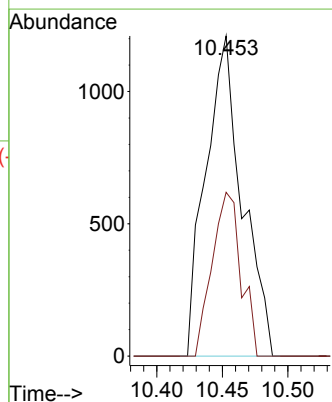
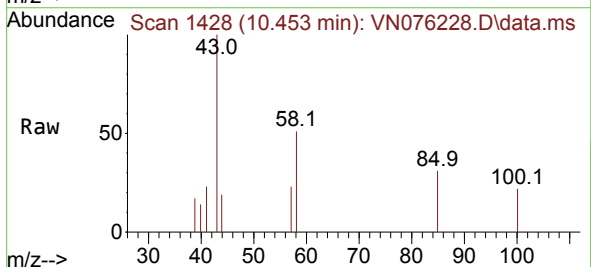
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-04-478.6-499.6-011123

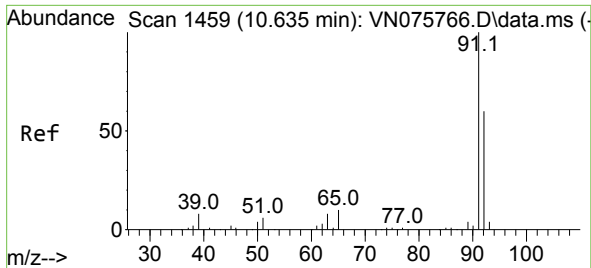
Tgt Ion: 98 Resp: 667502
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
58 40.4 35.5 53.3

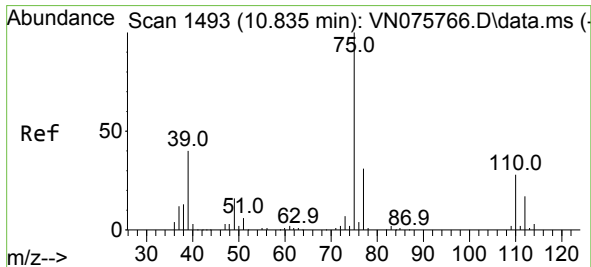
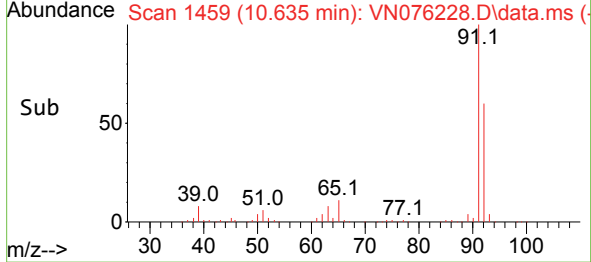
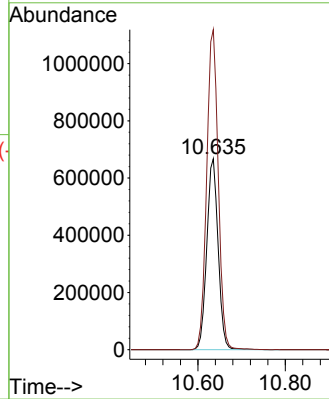
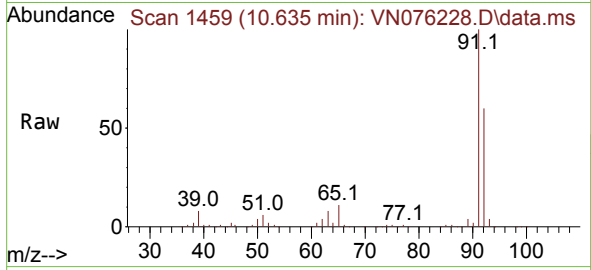




#52
Toluene
Concen: 126.281 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

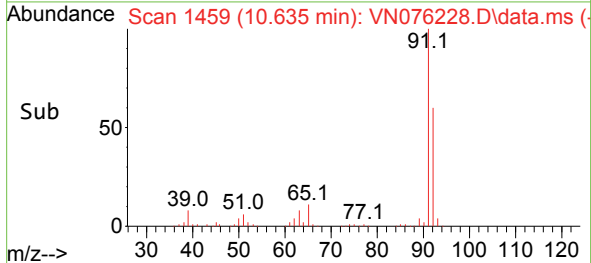
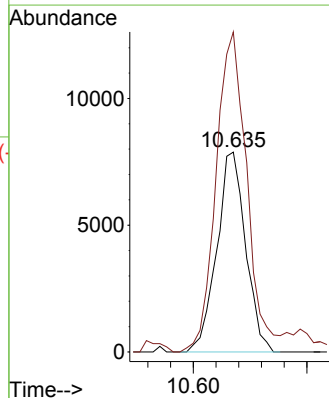
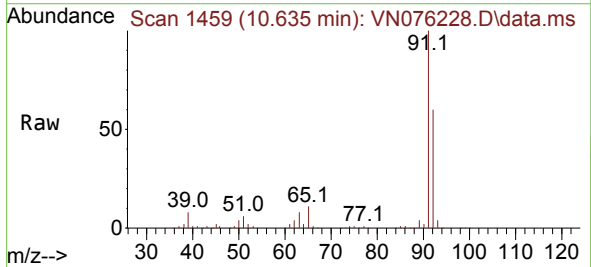
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-04-478.6-499.6-011123

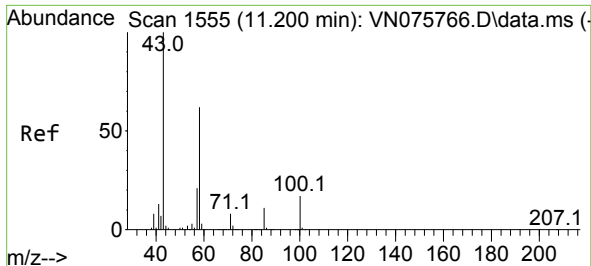
Tgt Ion: 92 Resp: 1204227
Ion Ratio Lower Upper
92 100
91 171.1 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 2.738 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 75 Resp: 13891
Ion Ratio Lower Upper
75 100
77 160.1 24.9 37.3#

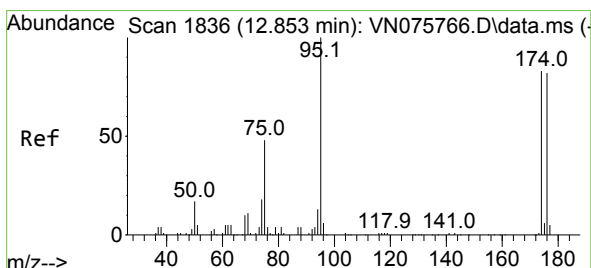
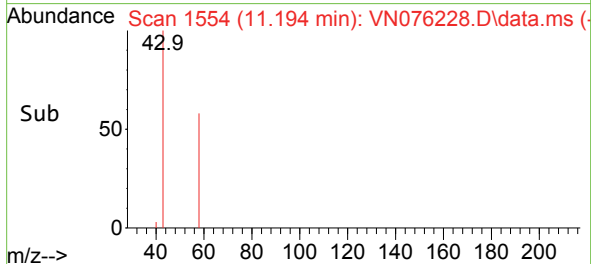
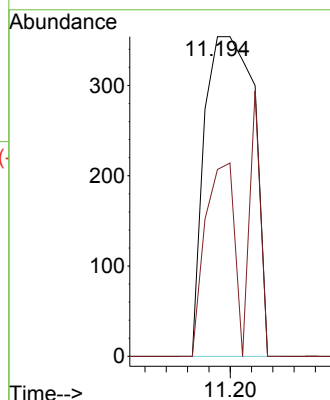
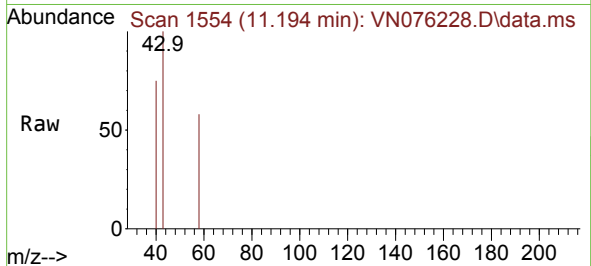




#59
2-Hexanone
Concen: 0.205 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

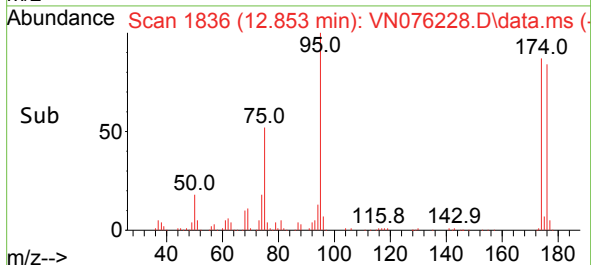
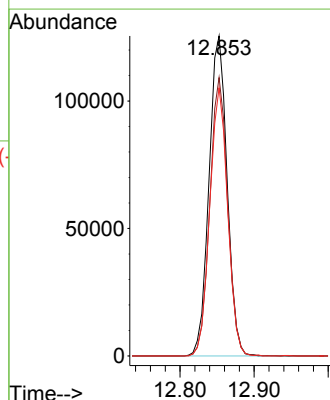
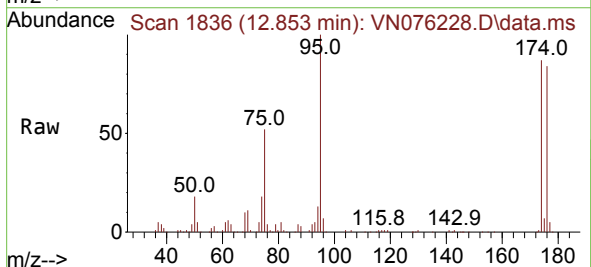
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-478.6-499.6-011123

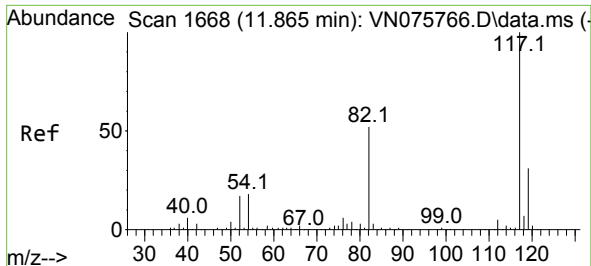
Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
58 35.6 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 48.129 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion: 95 Resp: 212925
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.5 0.0 169.2

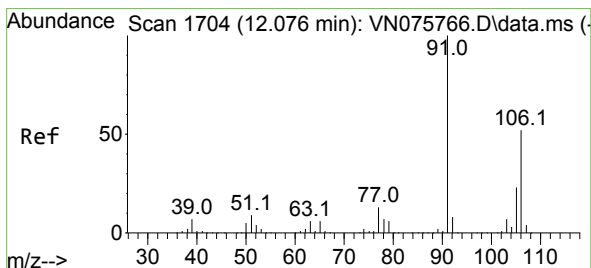
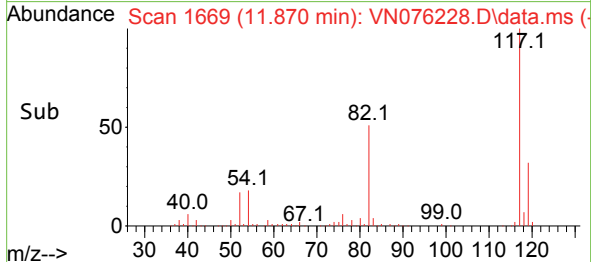
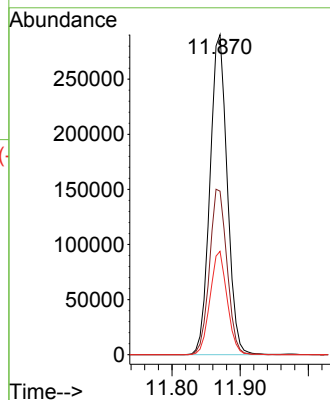
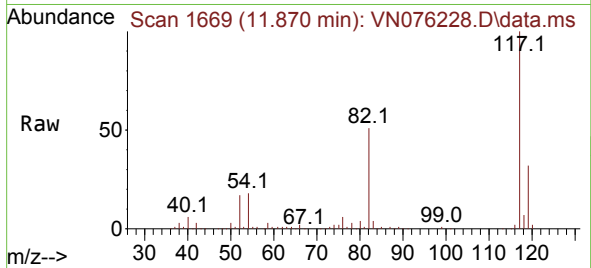




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

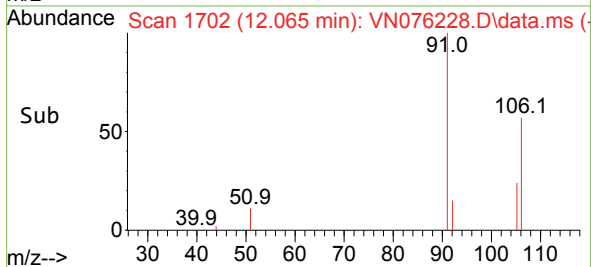
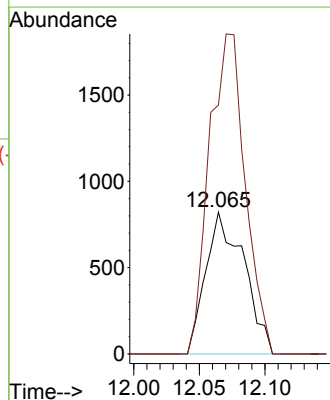
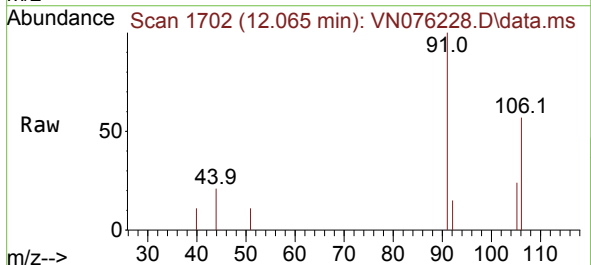
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-478.6-499.6-011123

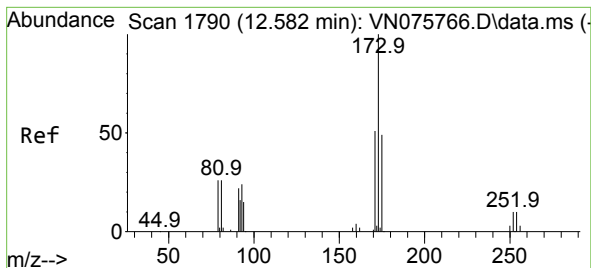
Tgt Ion:117 Resp: 511631
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 32.3 24.6 37.0



#68
m/p-Xylenes
Concen: 0.237 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VN076228.D
Acq: 12 Jan 2023 14:15

Tgt Ion:106 Resp: 1661
Ion Ratio Lower Upper
106 100
91 213.0 156.6 235.0





#71

Bromoform

Concen: 0.648 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-478.6-499.6-011123

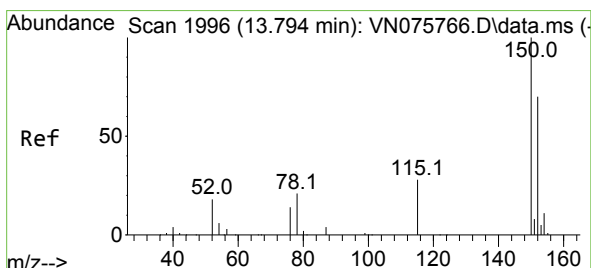
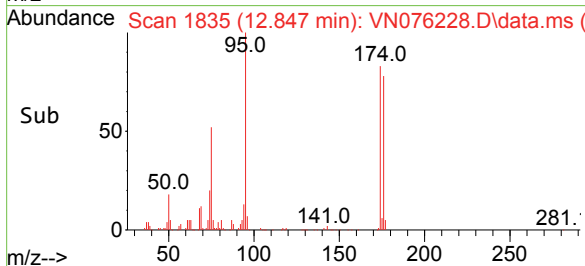
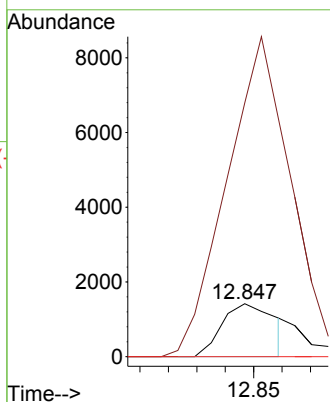
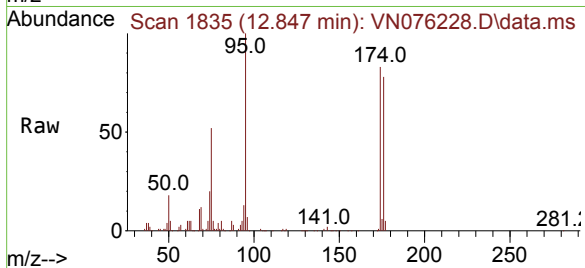
Tgt Ion:173 Resp: 1834

Ion Ratio Lower Upper

173 100

175 593.9 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

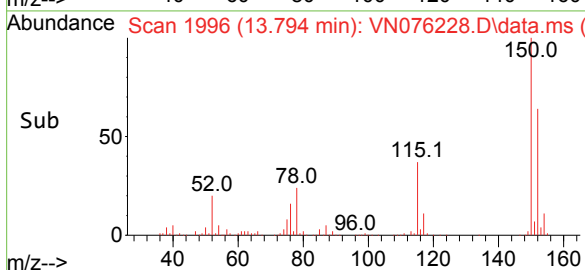
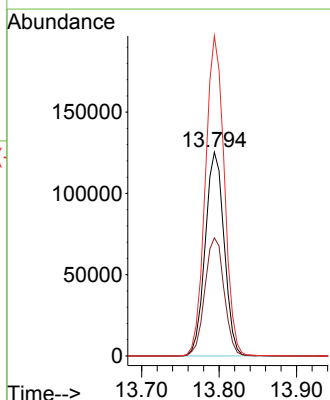
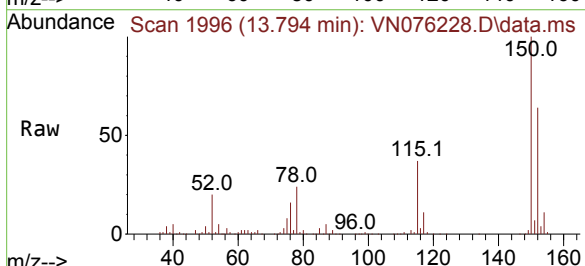
Tgt Ion:152 Resp: 213082

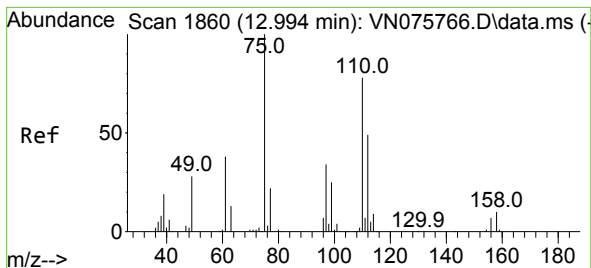
Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.4

150 156.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.561 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

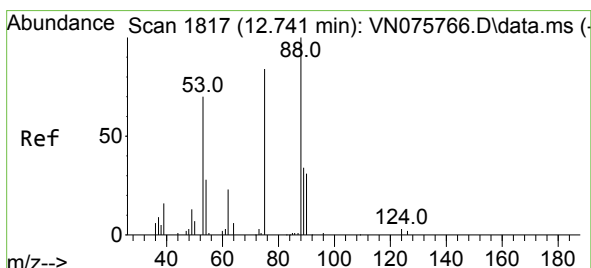
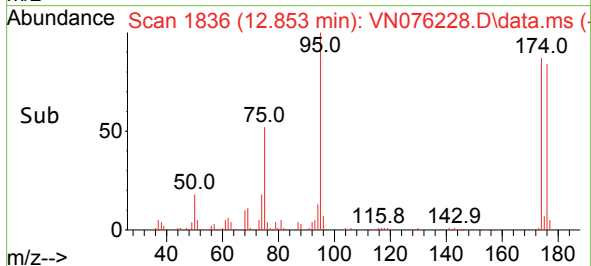
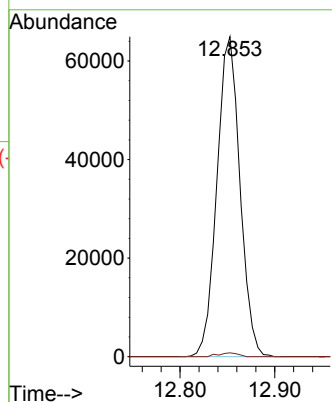
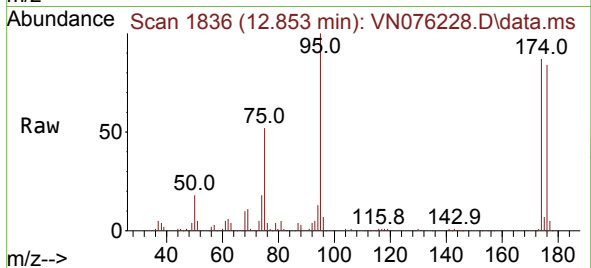
GWOW-BR-04-478.6-499.6-011123

Tgt Ion: 75 Resp: 109790

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.007 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076228.D

Acq: 12 Jan 2023 14:15

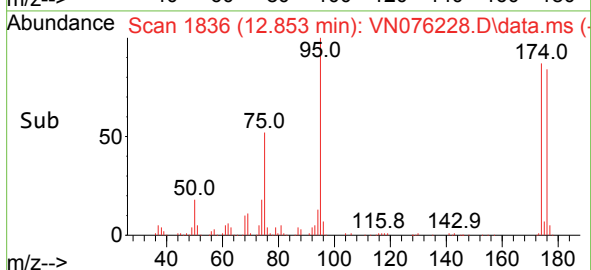
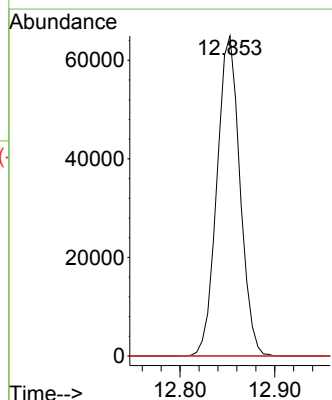
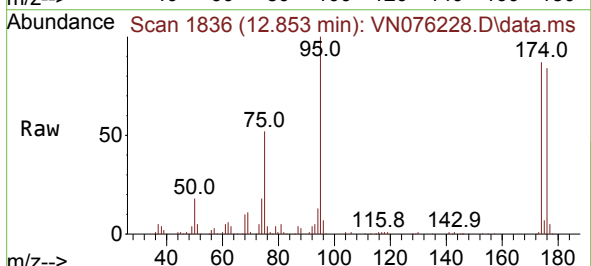
Tgt Ion: 75 Resp: 109790

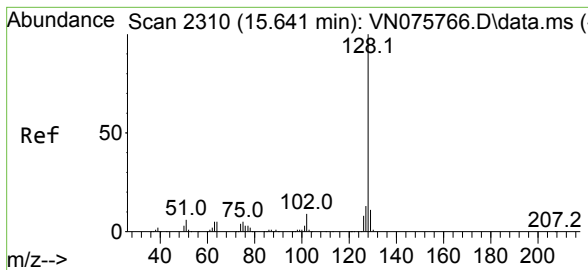
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

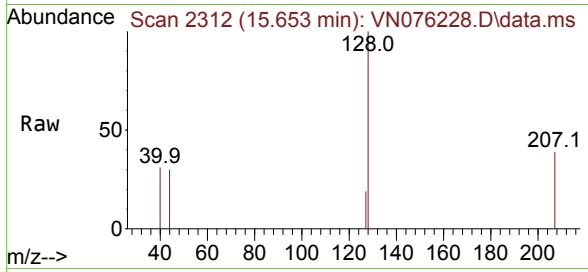
89 0.0 39.5 59.3#





#95
 Naphthalene
 Concen: 2.305 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076228.D
 Acq: 12 Jan 2023 14:15

Instrument : MSVOA_N
 ClientSampleId : GWOW-BR-04-478.6-499.6-011123



Tgt Ion:	128	Resp:	1547
Ion	Ratio	Lower	Upper
128	100		
127	3.4	10.4	15.6#
129	0.0	8.7	13.1#

