

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071438.D
 Acq On : 22 Mar 2022 00:07
 Operator : JC\MD
 Sample : VN0321WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL02

Quant Time: Mar 22 06:27:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

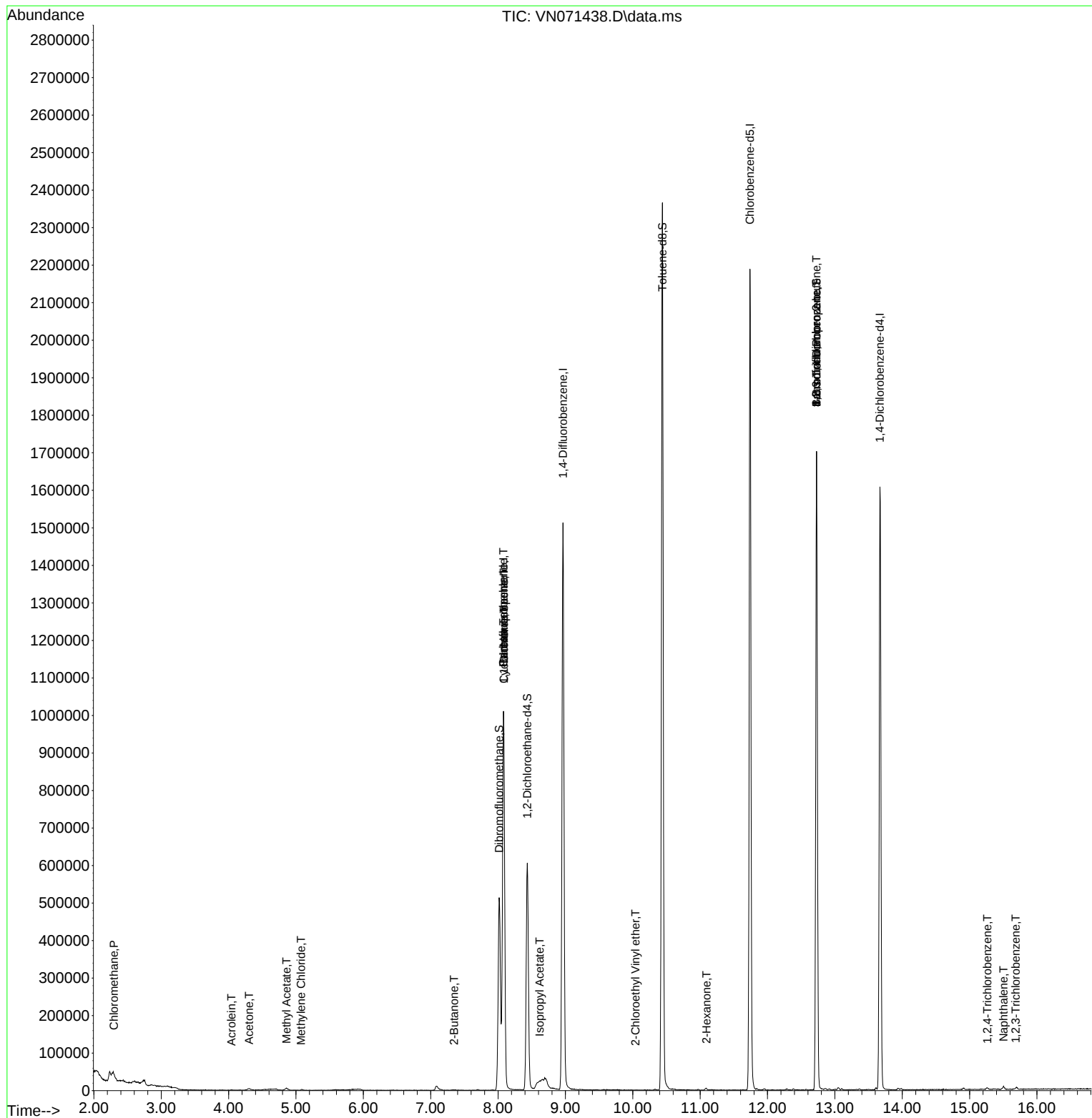
Internal Standards						
1) Pentafluorobenzene	8.081	168	777732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1310141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1239280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	447168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	502552	47.148	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.300%		
35) Dibromofluoromethane	8.016	113	382689	46.289	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.580%		
50) Toluene-d8	10.439	98	1622912	48.755	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.727	95	588807	52.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.480%		
Target Compounds			Qvalue			
3) Chloromethane	2.299	50	4211	0.334 ug/l #	86	
5) Bromomethane	2.857	94	2048	Below Cal	93	
13) Acrolein	4.040	56	570	0.257 ug/l #	79	
16) Acetone	4.304	43	4201	0.810 ug/l #	88	
18) Methyl Acetate	4.857	43	11577	1.293 ug/l	95	
20) Methylene Chloride	5.075	84	417	0.425 ug/l #	46	
25) 2-Butanone	7.345	43	1860	0.223 ug/l #	48	
31) Cyclohexane	8.087	56	16593	0.975 ug/l #	17	
36) 1,1-Dichloropropene	8.087	75	62262	4.700 ug/l #	49	
38) Carbon Tetrachloride	8.081	117	79064	6.171 ug/l #	16	
43) Isopropyl Acetate	8.616	43	29252	1.073 ug/l #	55	
58) 2-Chloroethyl Vinyl ether	10.039	63	59	27.881 ug/l #	45	
59) 2-Hexanone	11.092	43	3669	0.318 ug/l	96	
71) Bromoform	12.727	173	3315	0.447 ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.816	83	421	Below Cal #	77	
76) 1,2,3-Trichloropropane	12.727	75	310178	27.341 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.727	75	310178	74.983 ug/l #	5	
93) 1,2,4-Trichlorobenzene	15.263	180	2268	3.280 ug/l #	81	
95) Naphthalene	15.504	128	7612	5.401 ug/l	97	
96) 1,2,3-Trichlorobenzene	15.686	180	2072	3.011 ug/l	92	

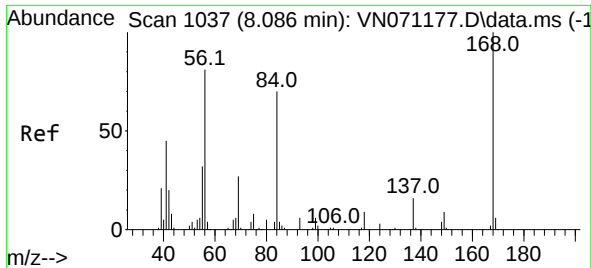
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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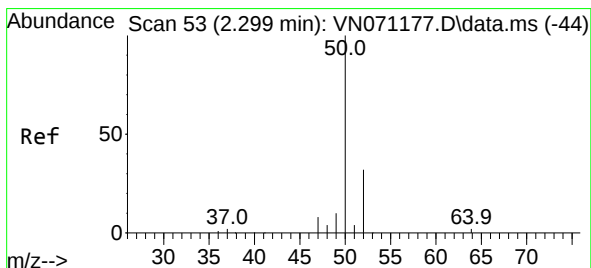
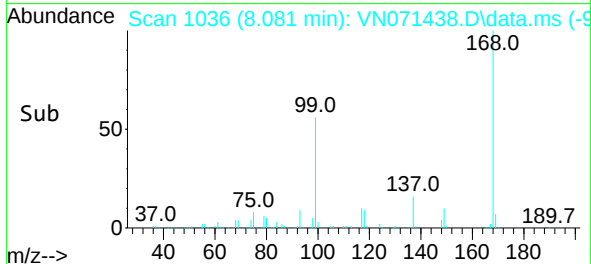
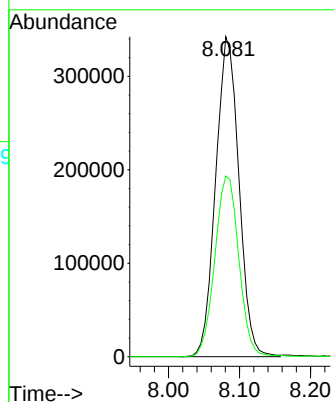
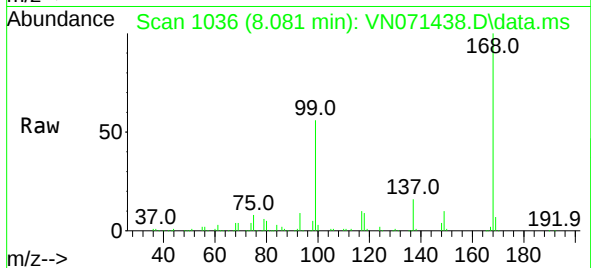




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

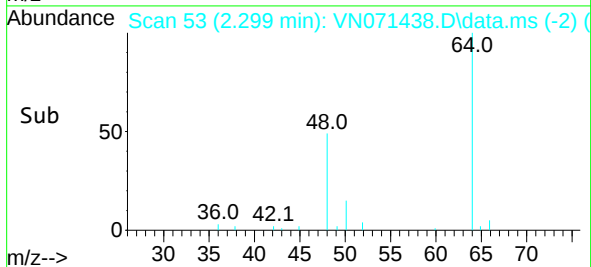
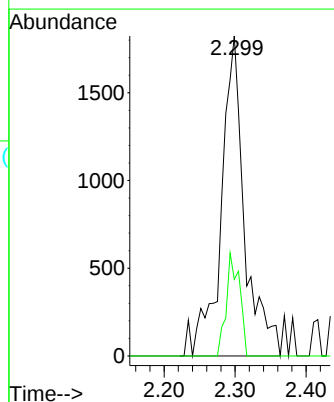
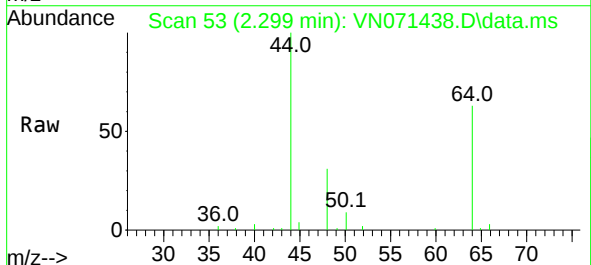
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

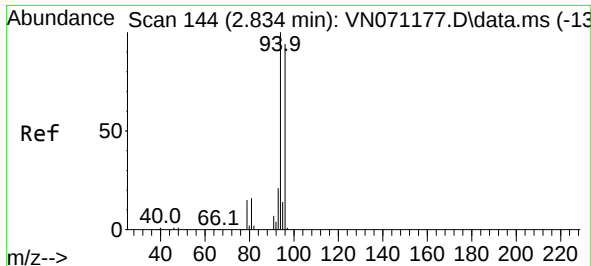
Tgt Ion:168 Resp: 777732
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.334 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 50 Resp: 4211
Ion Ratio Lower Upper
50 100
52 24.0 25.4 38.0#

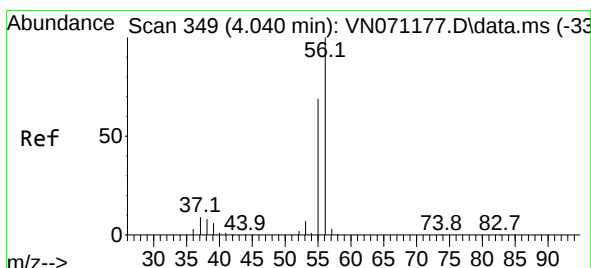
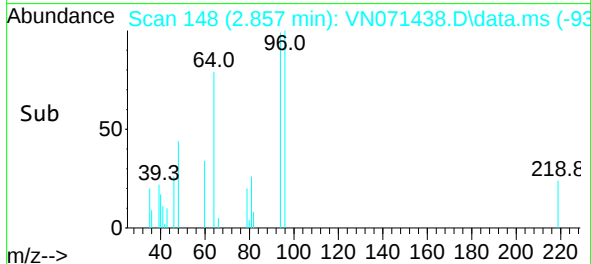
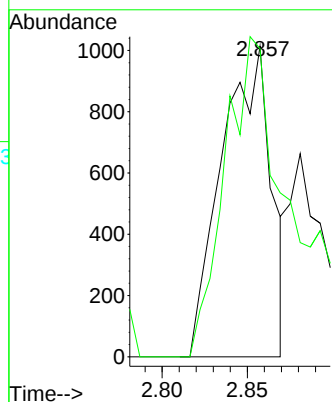
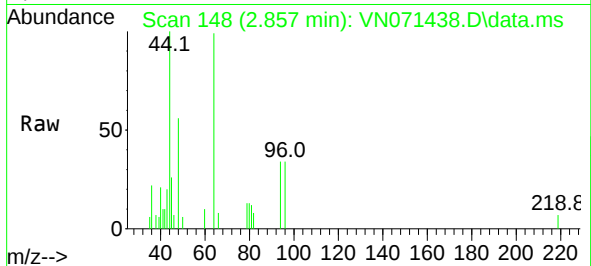




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 144
Delta R.T. 0.023 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

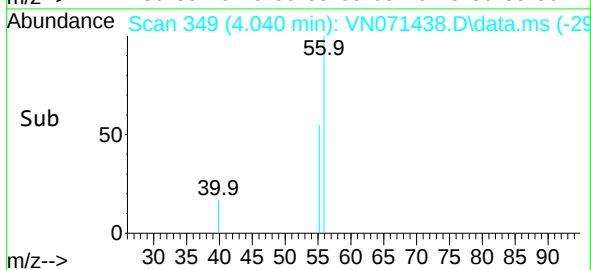
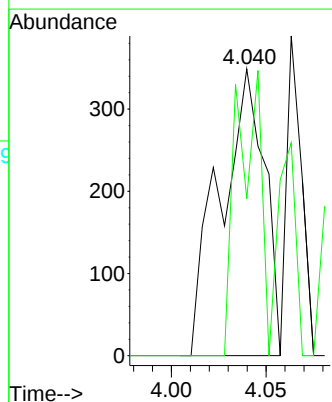
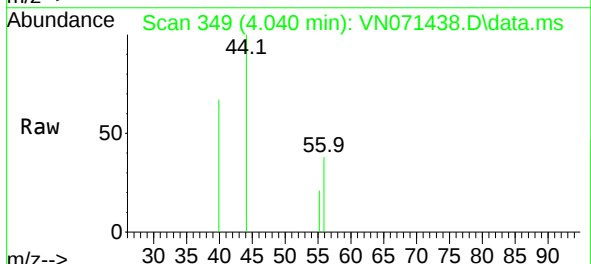
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

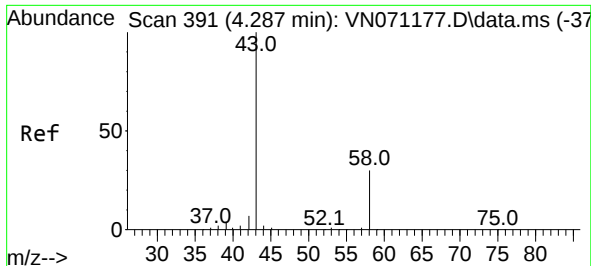
Tgt Ion: 94 Resp: 2048
Ion Ratio Lower Upper
94 100
96 99.2 73.8 110.8



#13
Acrolein
Concen: 0.257 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 56 Resp: 570
Ion Ratio Lower Upper
56 100
55 53.7 56.6 85.0#

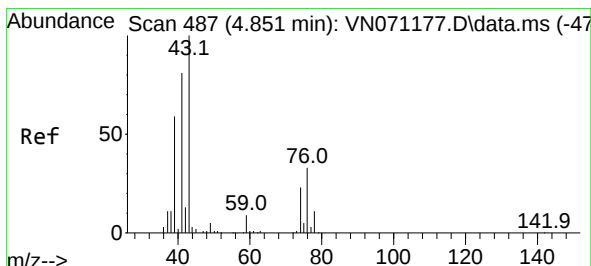
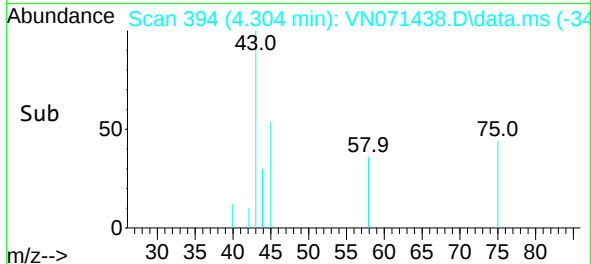
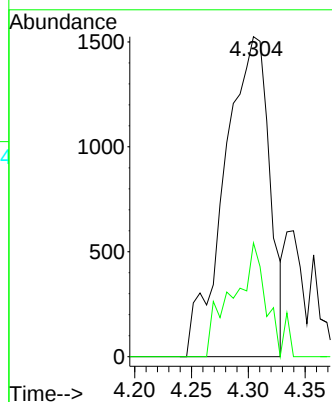
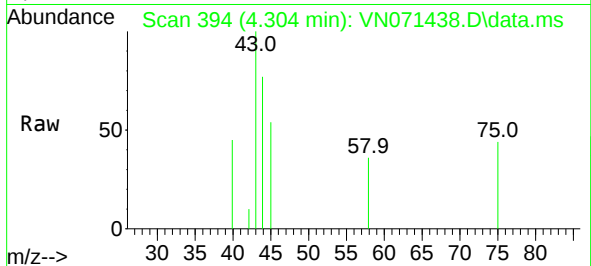




#16
Acetone
Concen: 0.810 ug/l
RT: 4.304 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

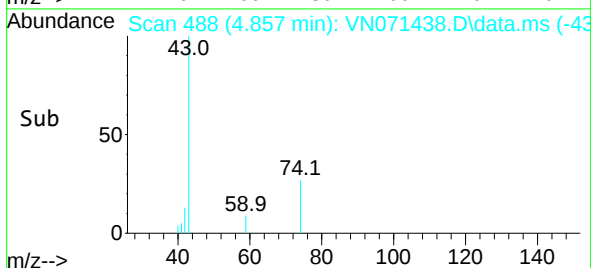
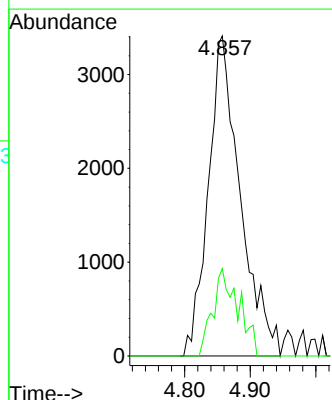
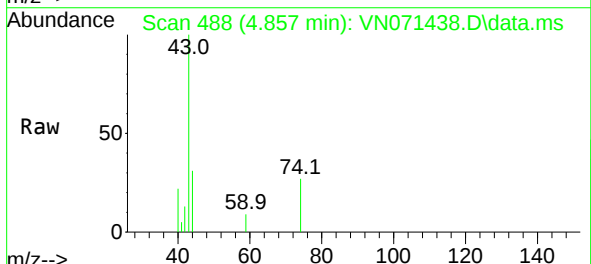
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

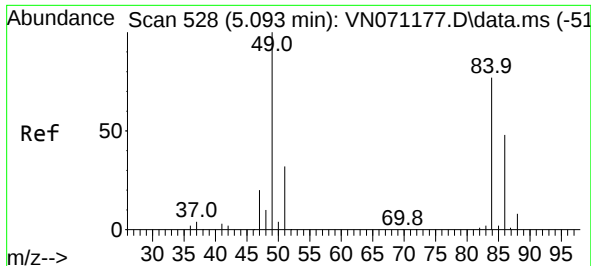
Tgt Ion: 43 Resp: 4201
Ion Ratio Lower Upper
43 100
58 35.5 23.1 34.7#



#18
Methyl Acetate
Concen: 1.293 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

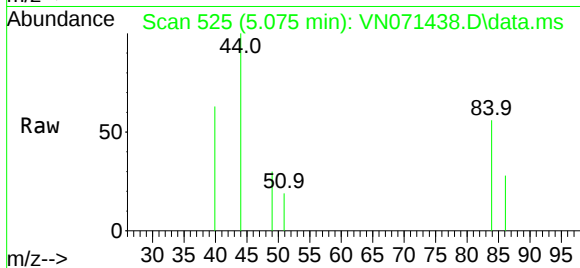
Tgt Ion: 43 Resp: 11577
Ion Ratio Lower Upper
43 100
74 21.8 19.4 29.2





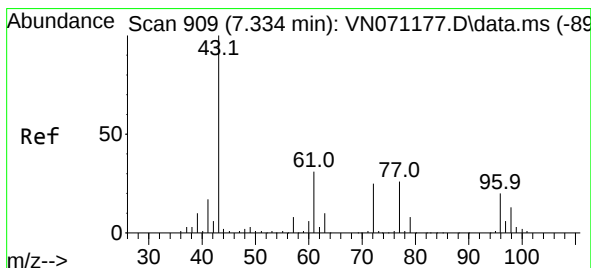
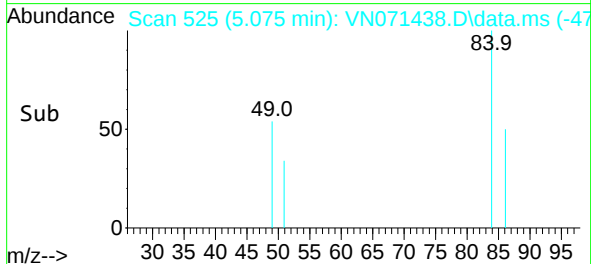
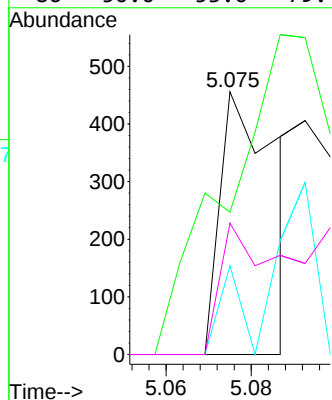
#20
Methylene Chloride
Concen: 0.425 ug/l
RT: 5.075 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02



Tgt Ion: 84 Resp: 417

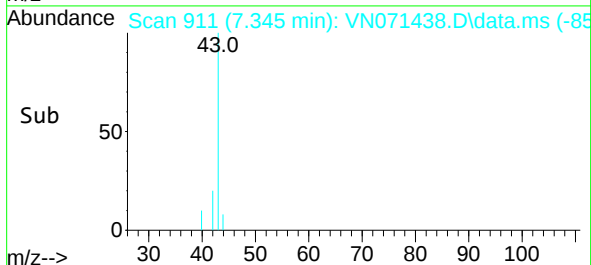
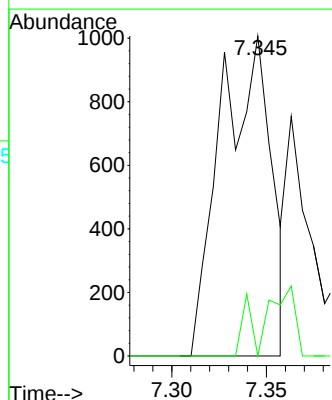
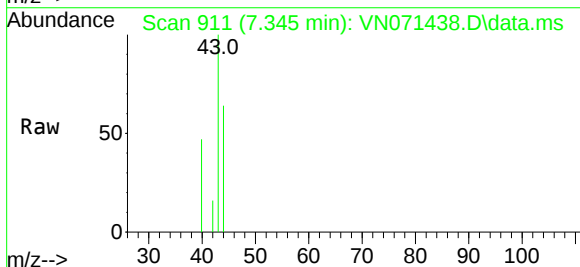
Ion	Ratio	Lower	Upper
84	100		
49	19.3	93.5	140.3#
51	33.8	29.4	44.2
86	50.0	53.0	79.4#

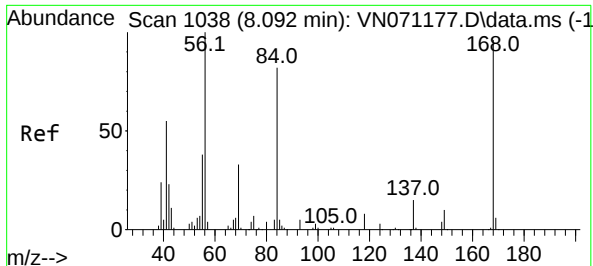


#25
2-Butanone
Concen: 0.223 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 43 Resp: 1860

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#

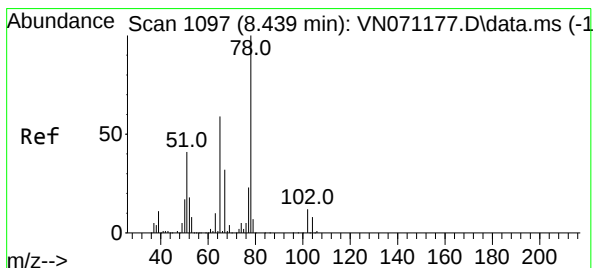
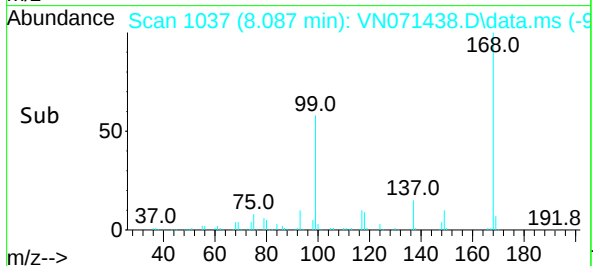
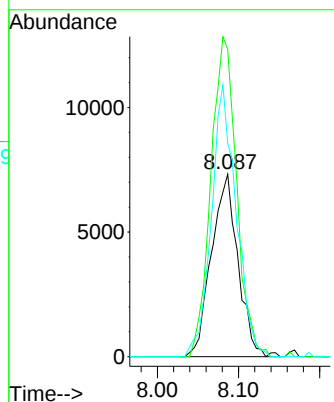
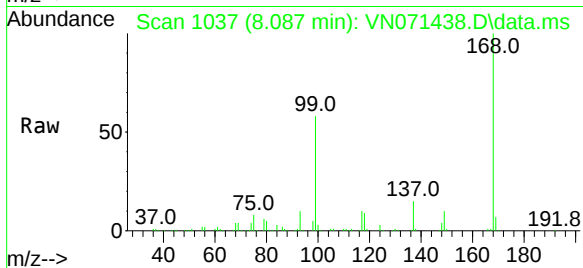




#31
Cyclohexane
Concen: 0.975 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

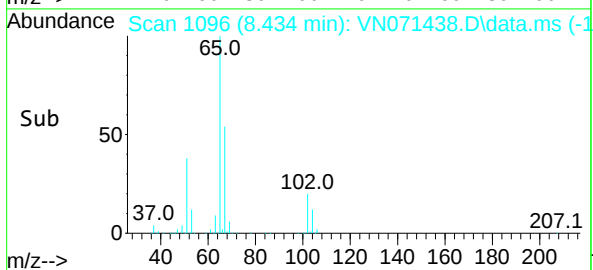
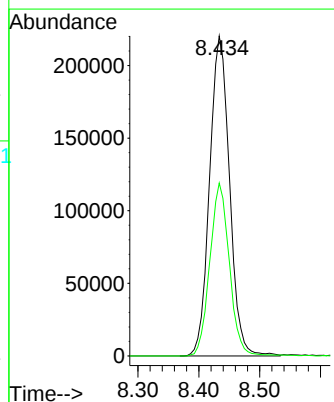
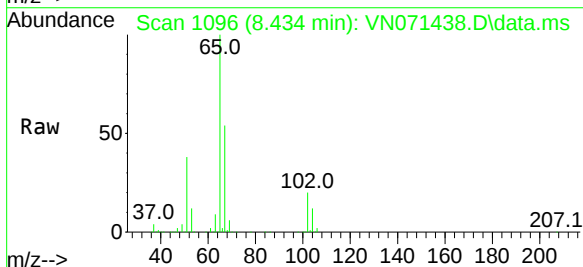
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

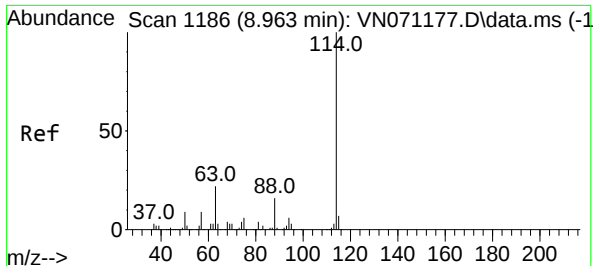
Tgt Ion: 56 Resp: 16593
Ion Ratio Lower Upper
56 100
69 168.5 27.1 40.7#
84 117.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.148 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 65 Resp: 502552
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

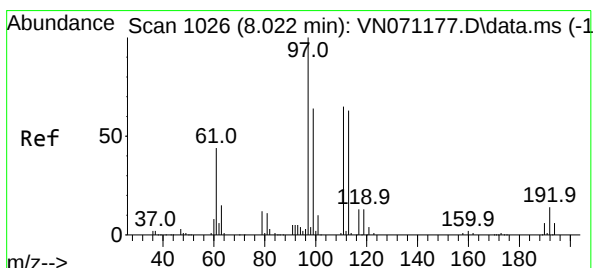
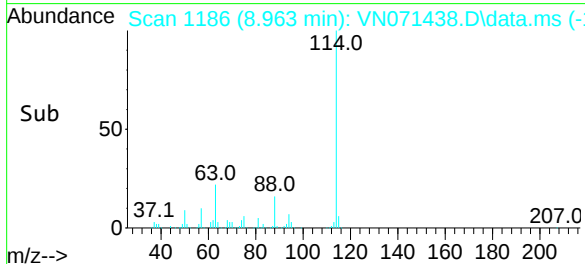
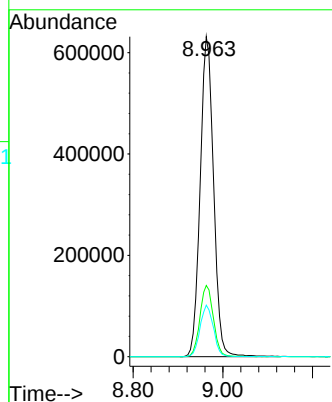
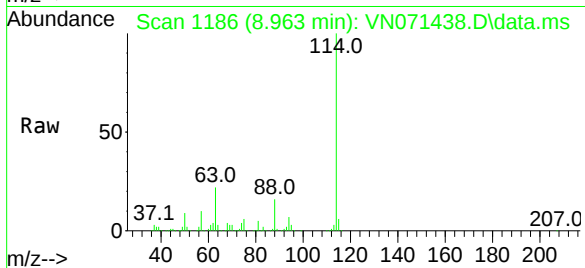
Tgt Ion:114 Resp: 1310141

Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.289 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

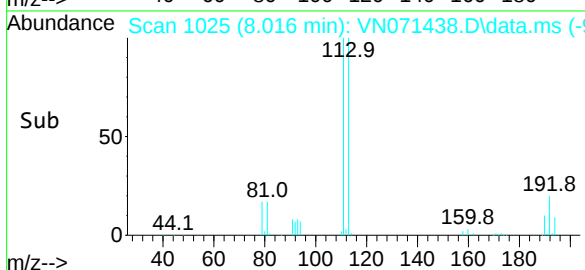
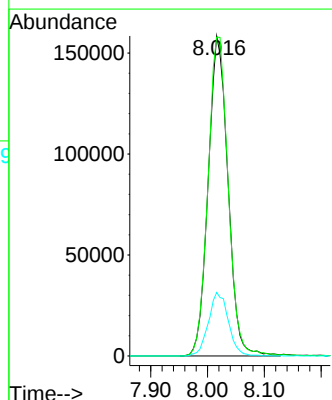
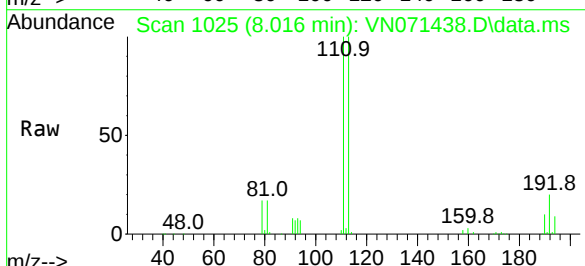
Tgt Ion:113 Resp: 382689

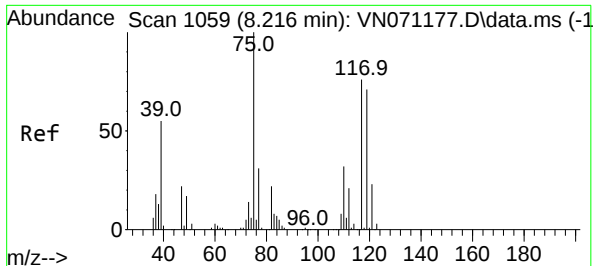
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.700 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

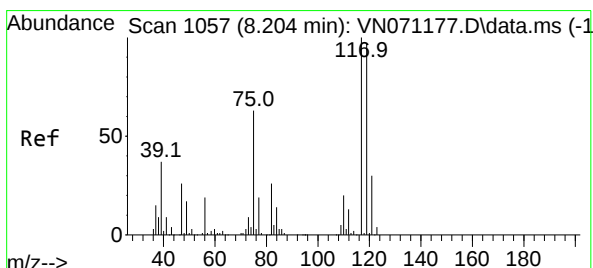
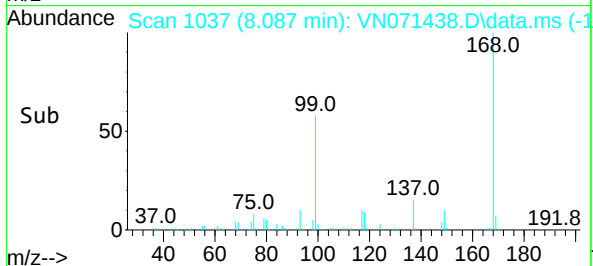
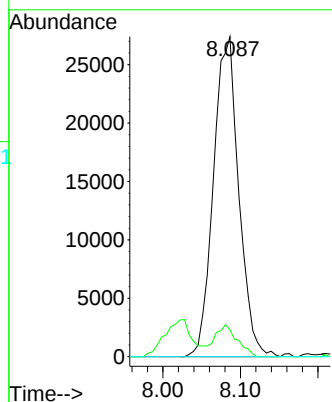
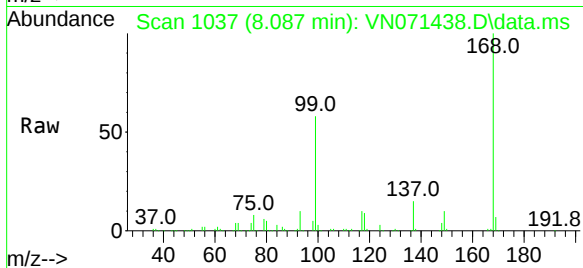
Tgt Ion: 75 Resp: 62262

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

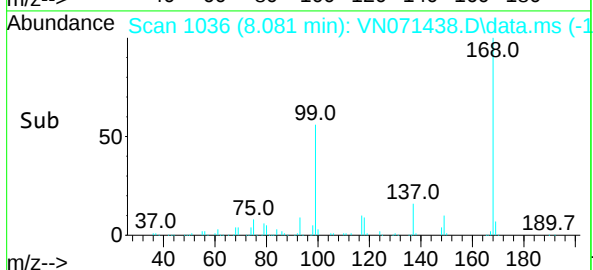
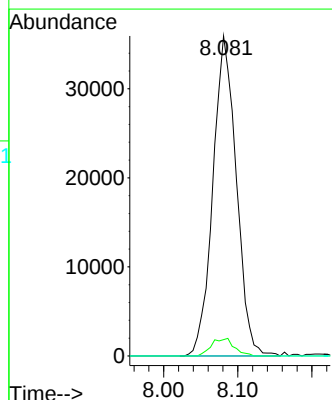
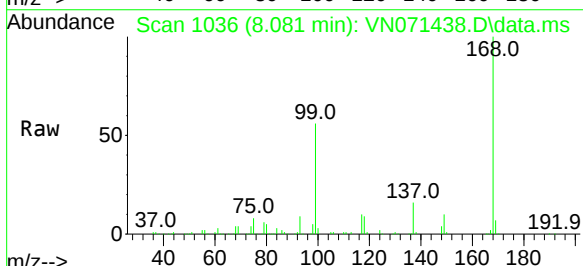
Tgt Ion: 117 Resp: 79064

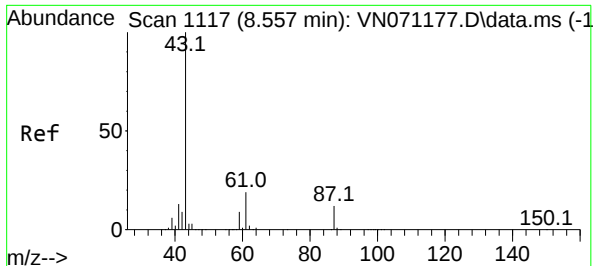
Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 1.073 ug/l

RT: 8.616 min Scan# 1117

Delta R.T. 0.059 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

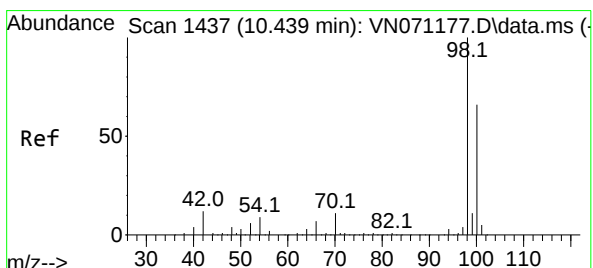
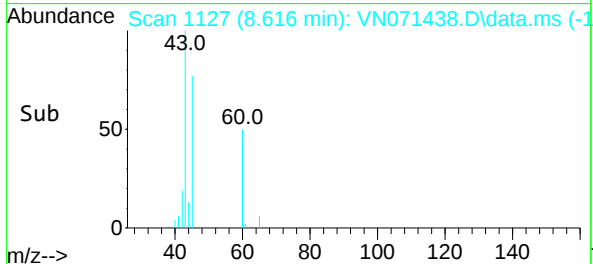
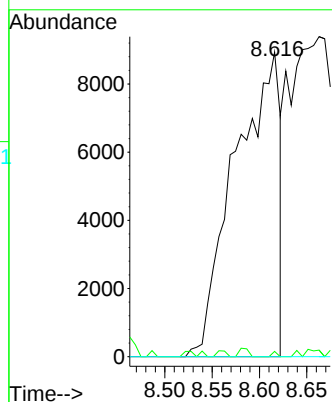
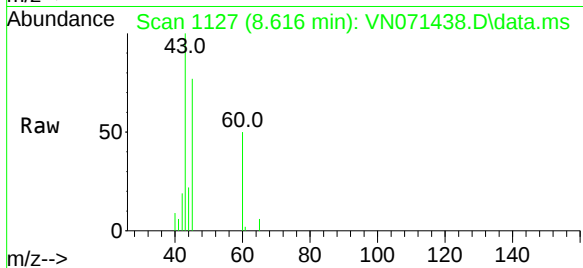
Tgt Ion: 43 Resp: 29252

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#



#50

Toluene-d8

Concen: 48.755 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071438.D

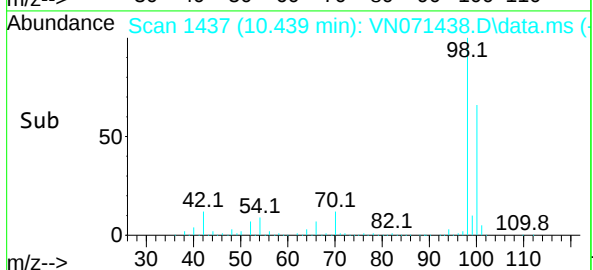
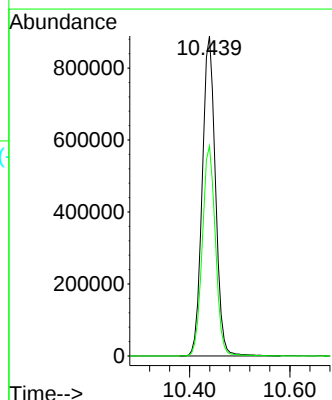
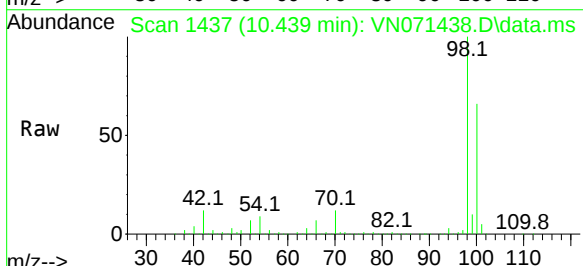
Acq: 22 Mar 2022 00:07

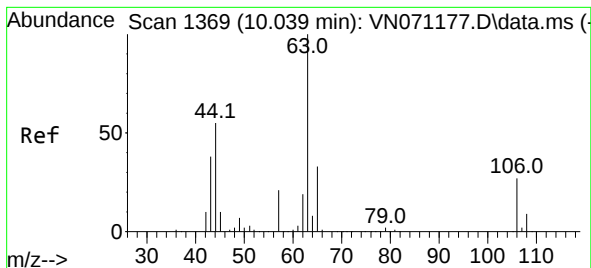
Tgt Ion: 98 Resp: 1622912

Ion Ratio Lower Upper

98 100

100 65.4 50.4 75.6

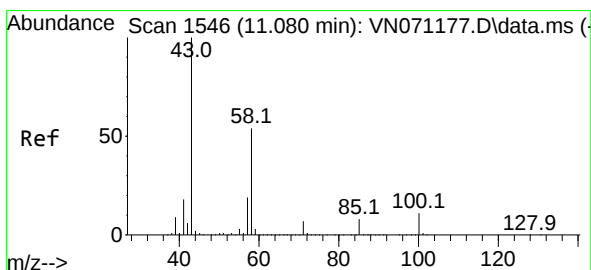
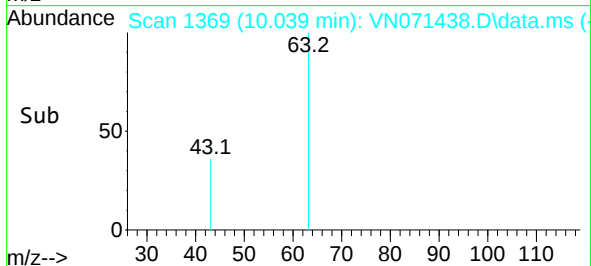
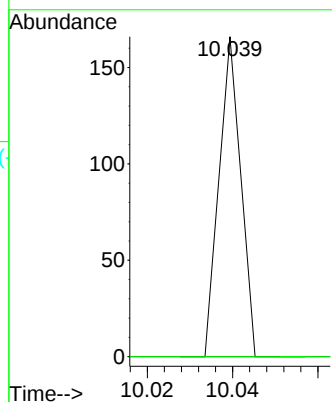
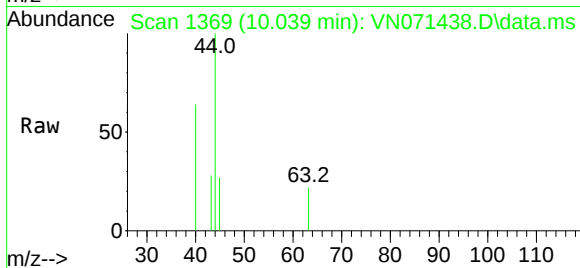




#58
2-Chloroethyl Vinyl ether
Concen: 27.881 ug/l
RT: 10.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

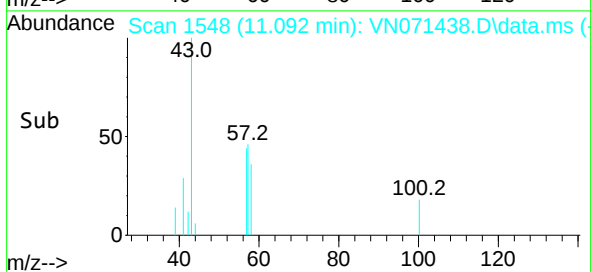
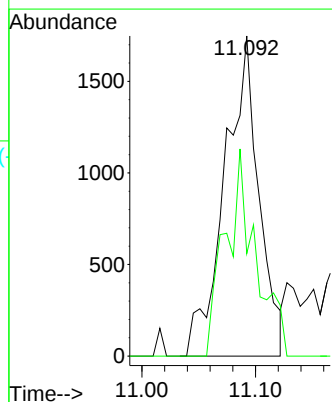
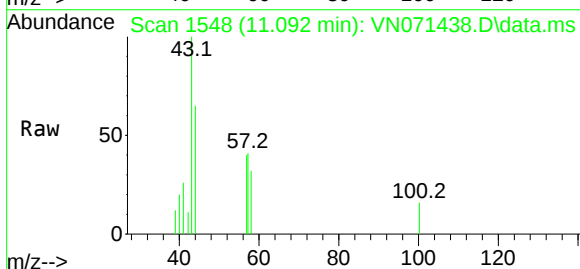
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

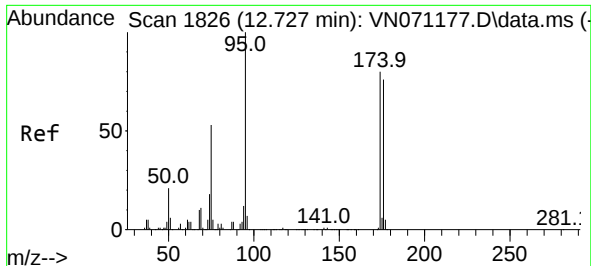
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.318 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 43 Resp: 3669
Ion Ratio Lower Upper
43 100
58 56.8 26.9 80.7

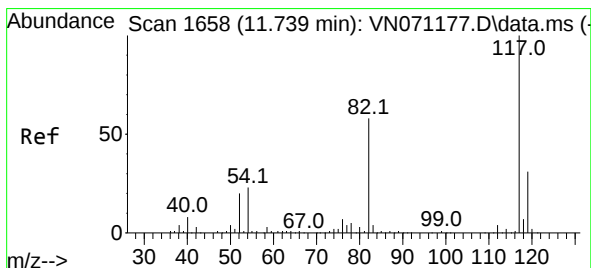
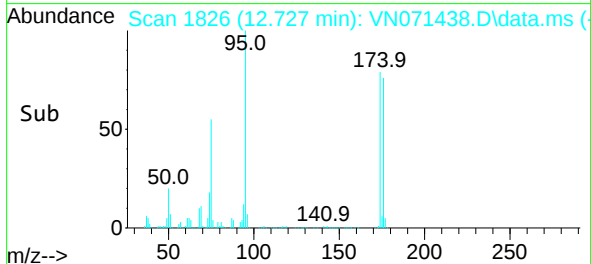
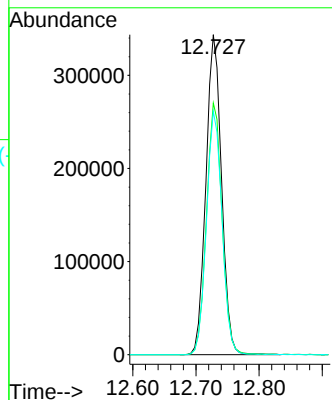
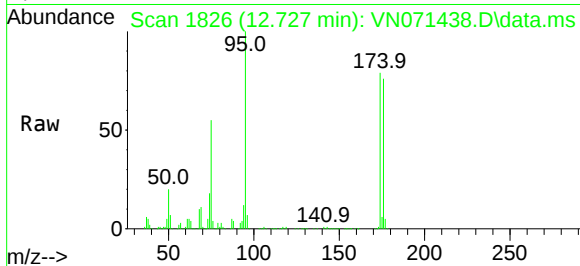




#62
4-Bromofluorobenzene
Concen: 52.237 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

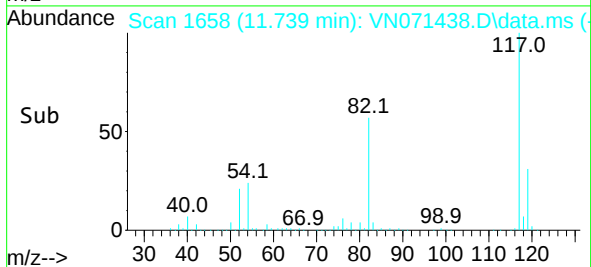
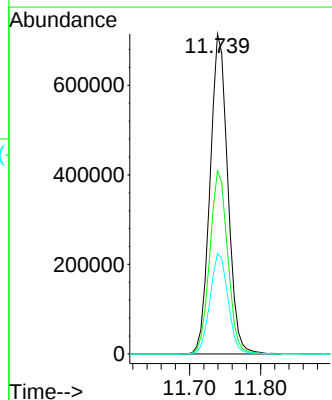
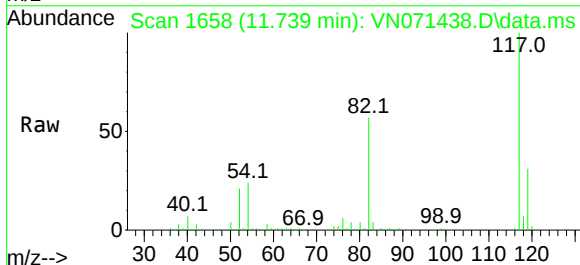
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

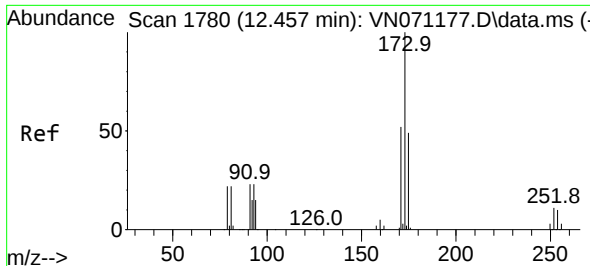
Tgt Ion: 95 Resp: 588807
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 76.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 117 Resp: 1239280
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 31.4 25.4 38.2

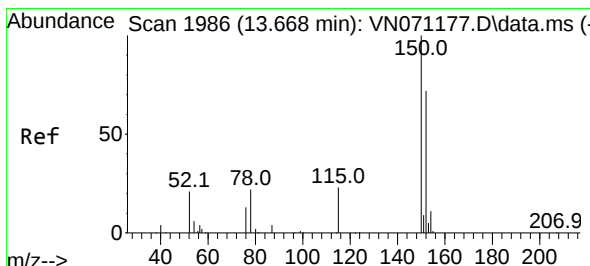
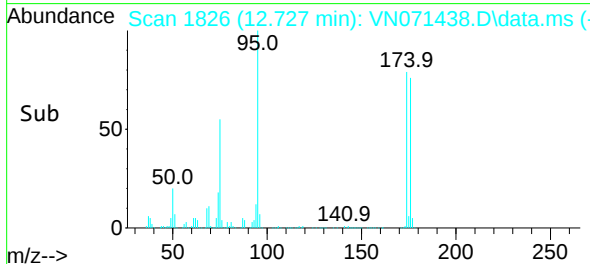
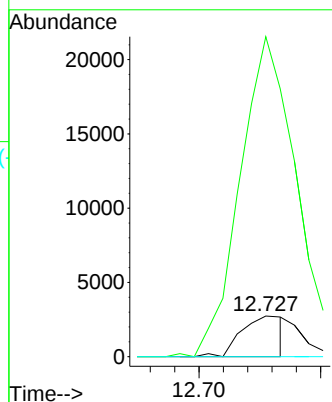
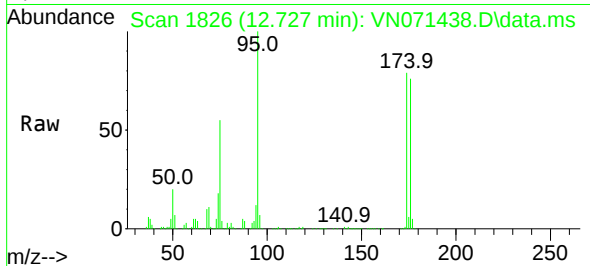




#71
Bromoform
Concen: 0.447 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

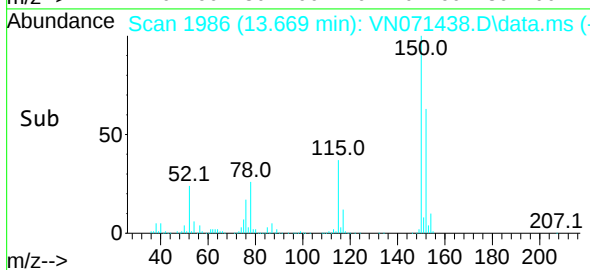
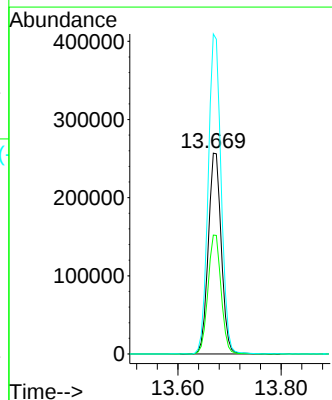
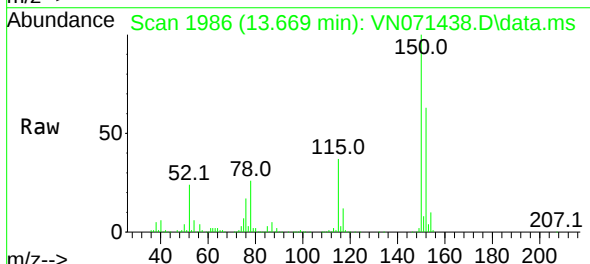
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

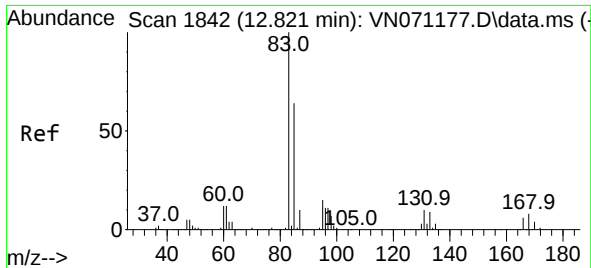
Tgt Ion:173 Resp: 3315
Ion Ratio Lower Upper
173 100
175 783.7 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion:152 Resp: 447168
Ion Ratio Lower Upper
152 100
115 59.7 27.5 82.5
150 158.6 0.0 344.4

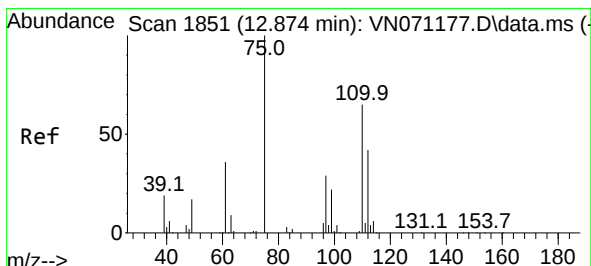
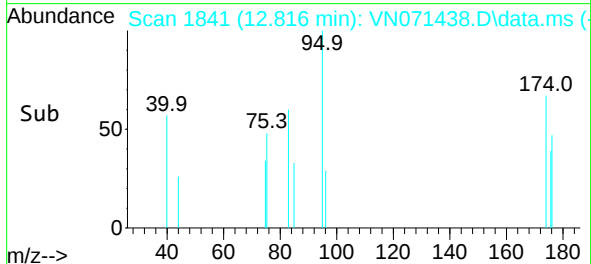
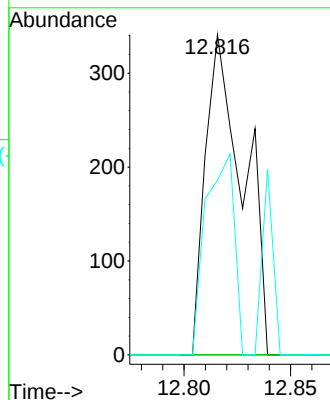
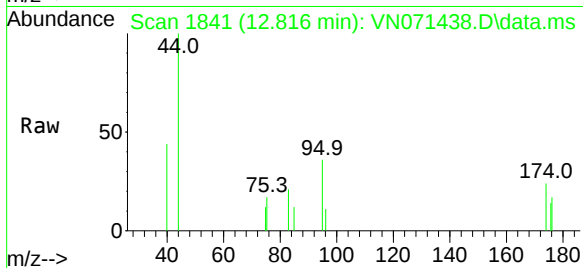




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.816 min Scan# 1841
Delta R.T. -0.005 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

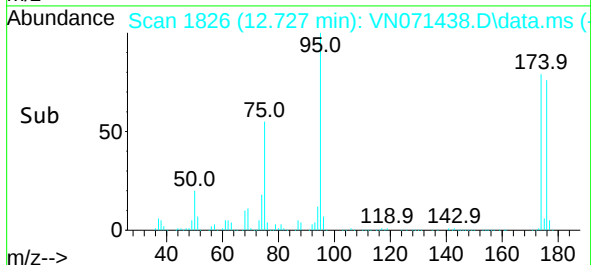
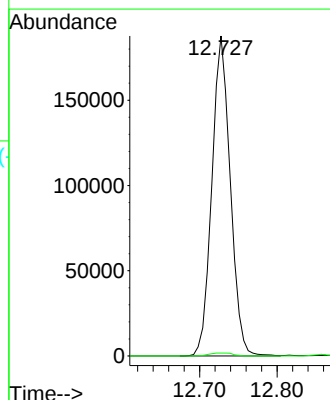
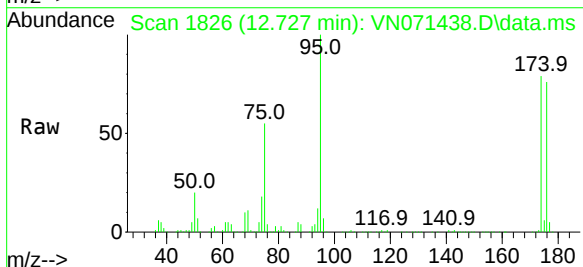
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

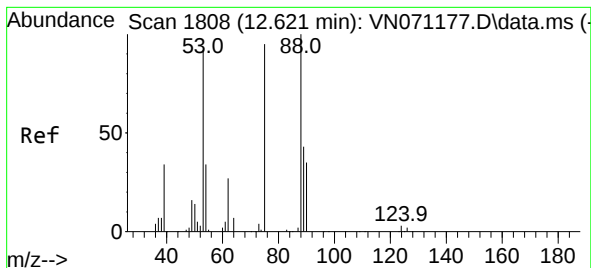
Tgt Ion: 83 Resp: 421
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 47.5 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 27.341 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion: 75 Resp: 310178
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

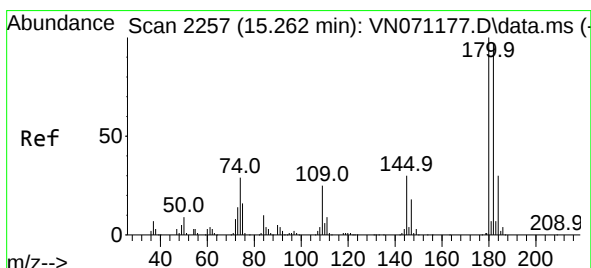
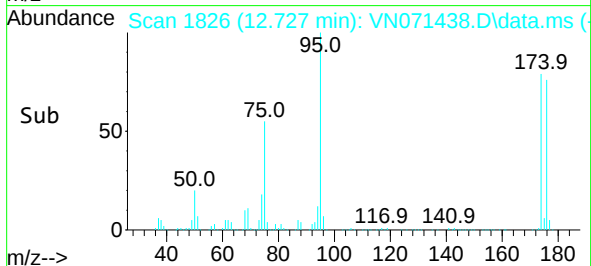
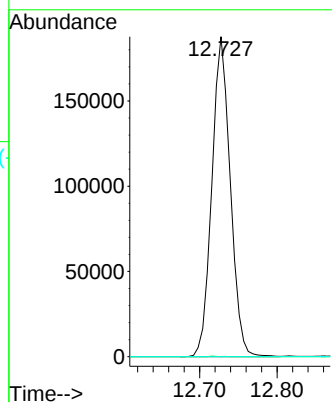
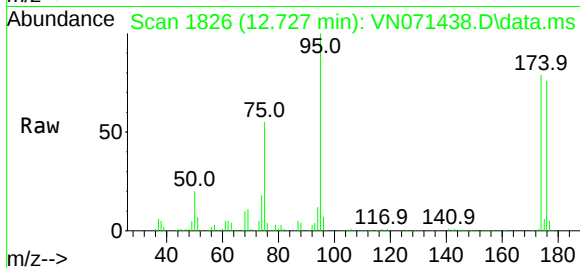




#81
trans-1,4-Dichloro-2-butene
Concen: 74.983 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

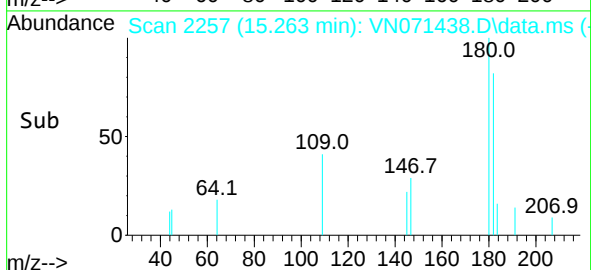
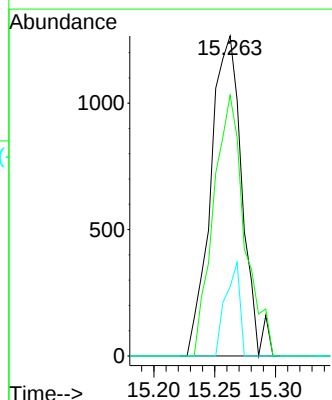
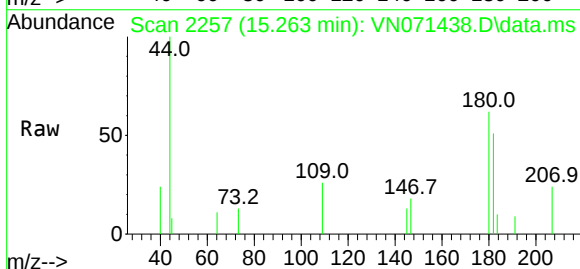
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL02

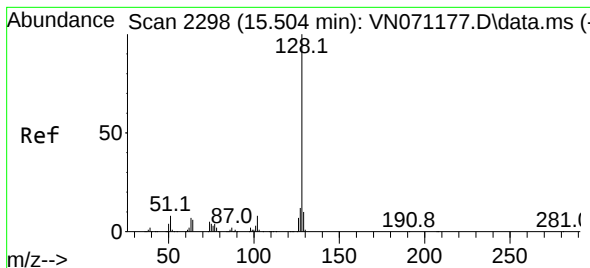
Tgt Ion: 75 Resp: 310178
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.280 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.001 min
Lab File: VN071438.D
Acq: 22 Mar 2022 00:07

Tgt Ion:180 Resp: 2268
Ion Ratio Lower Upper
180 100
182 80.9 48.3 144.9
145 13.3 14.5 43.5#





#95

Naphthalene

Concen: 5.401 ug/l

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL02

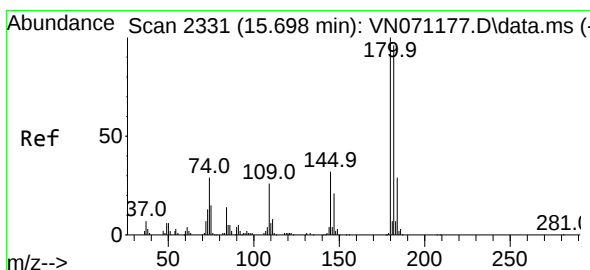
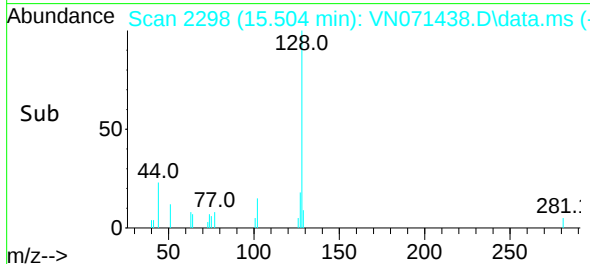
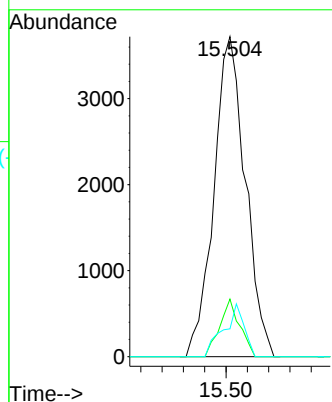
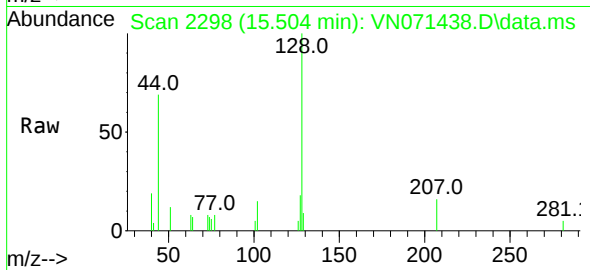
Tgt Ion:128 Resp: 7612

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

129 10.7 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.011 ug/l

RT: 15.686 min Scan# 2329

Delta R.T. -0.012 min

Lab File: VN071438.D

Acq: 22 Mar 2022 00:07

Tgt Ion:180 Resp: 2072

Ion Ratio Lower Upper

180 100

182 101.3 47.4 142.2

145 36.4 15.0 45.1

