

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071446.D
 Acq On : 22 Mar 2022 03:20
 Operator : JC\MD
 Sample : N2017-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Mar 22 06:31:14 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)

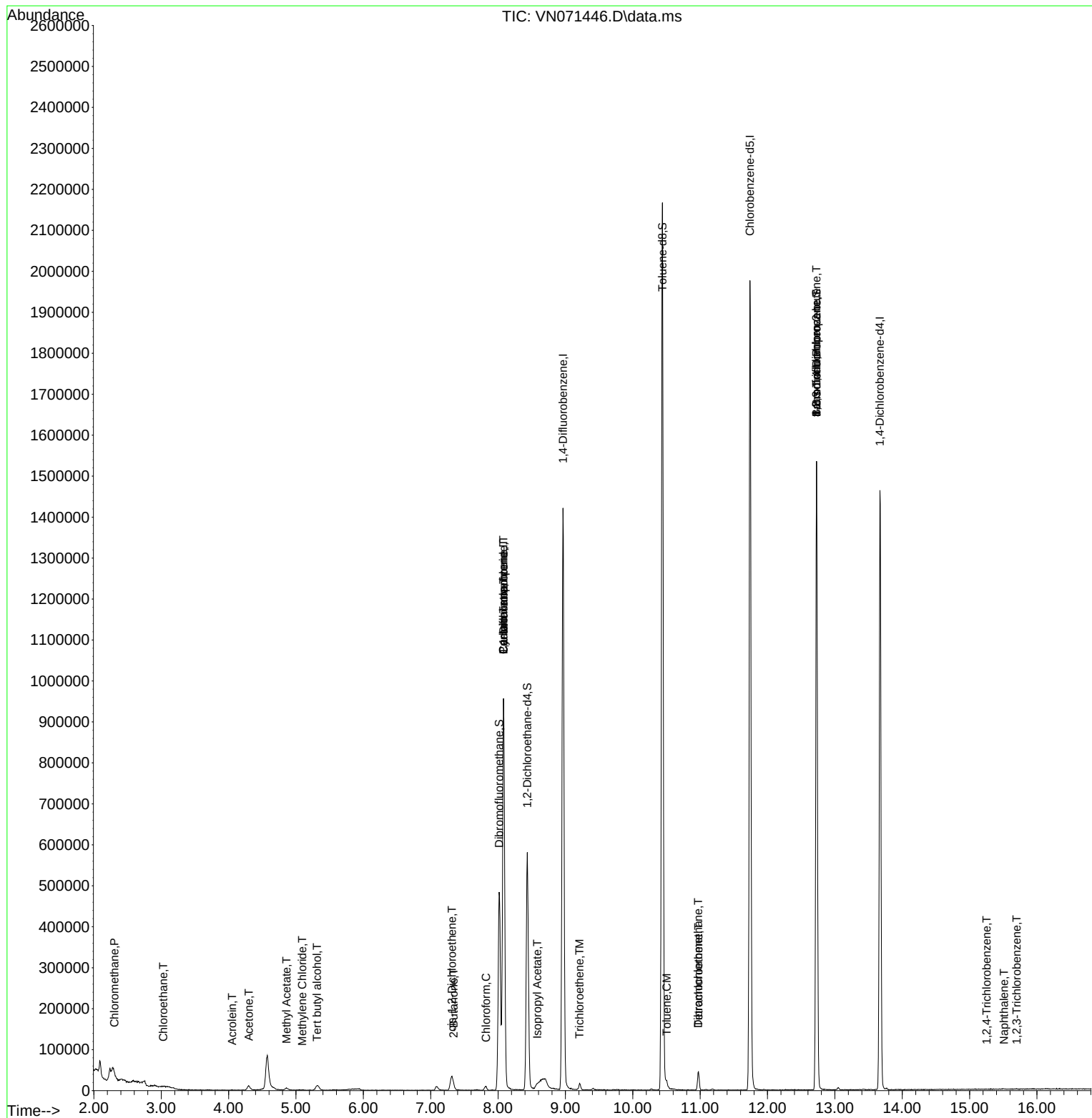
Internal Standards						
1) Pentafluorobenzene	8.081	168	722748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1227587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1139606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	401725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	472288	47.679	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.360%		
35) Dibromofluoromethane	8.016	113	358786	46.316	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.640%		
50) Toluene-d8	10.439	98	1502968	48.188	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.380%		
62) 4-Bromofluorobenzene	12.727	95	538777	51.013	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.020%		
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	3823	0.325	ug/l #	83
5) Bromomethane	2.857	94	1097	Below Cal	#	61
6) Chloroethane	3.028	64	1481	0.252	ug/l #	42
11) Tert butyl alcohol	5.310	59	13004	6.683	ug/l #	71
13) Acrolein	4.051	56	624	0.303	ug/l #	67
16) Acetone	4.298	43	17359	3.602	ug/l #	80
18) Methyl Acetate	4.857	43	11675	1.364	ug/l #	88
20) Methylene Chloride	5.092	84	661	0.456	ug/l #	86
25) 2-Butanone	7.339	43	8861	1.141	ug/l #	76
27) cis-1,2-Dichloroethene	7.316	96	7547	0.802	ug/l	84
30) Chloroform	7.822	83	10228	0.654	ug/l	94
31) Cyclohexane	8.081	56	15852	1.002	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	58271	4.695	ug/l #	49
38) Carbon Tetrachloride	8.081	117	70722	5.891	ug/l #	17
43) Isopropyl Acetate	8.580	43	14819	0.580	ug/l #	55
44) Trichloroethene	9.210	130	5328	0.604	ug/l	72
52) Toluene	10.504	92	5797	0.252	ug/l	76
60) Dibromochloromethane	10.969	129	9890	1.079	ug/l #	11
64) Tetrachloroethene	10.974	164	9965	1.254	ug/l	90
71) Bromoform	12.727	173	3354	0.492	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.739	83	222	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	277652	27.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	277652	74.713	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	141	3.009	ug/l #	12
95) Naphthalene	15.509	128	1292	5.131	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.698	180	145	2.754	ug/l #	59

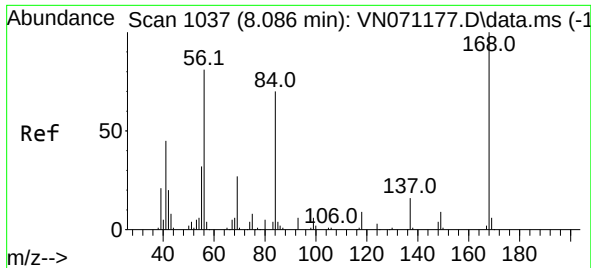
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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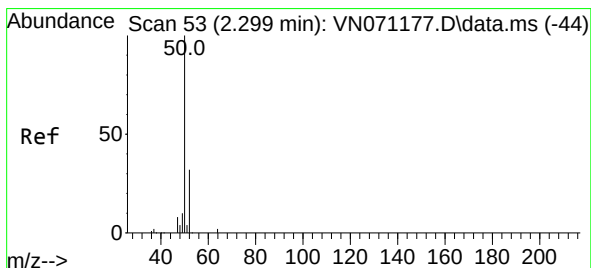
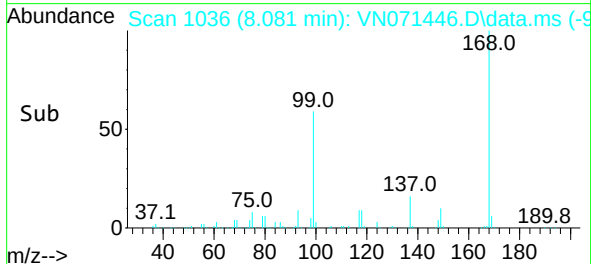
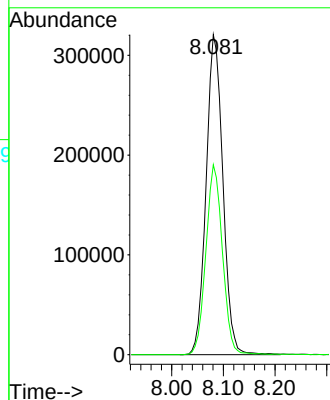
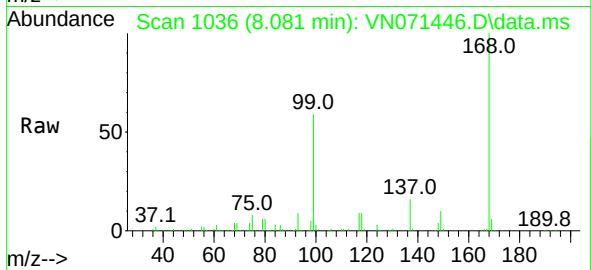




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

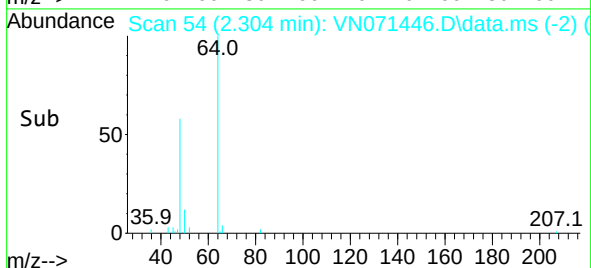
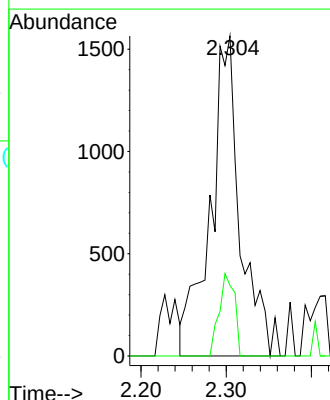
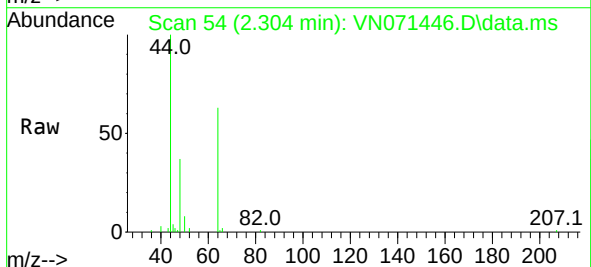
Instrument :
MSVOA_N
ClientSampleId :
MW-1

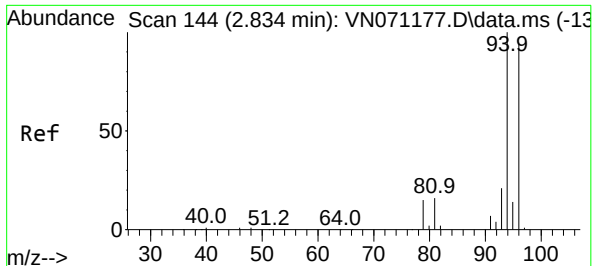
Tgt Ion:168 Resp: 722748
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#3
Chloromethane
Concen: 0.325 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 50 Resp: 3823
Ion Ratio Lower Upper
50 100
52 22.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.857 min Scan# 14

Delta R.T. 0.023 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

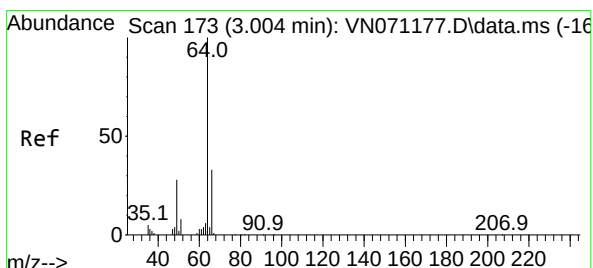
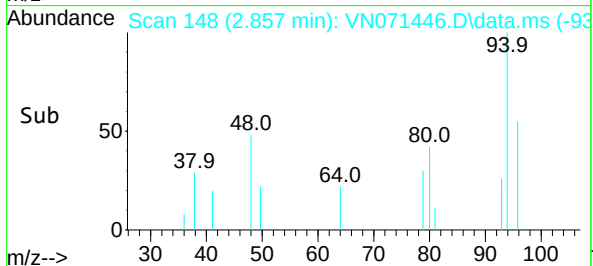
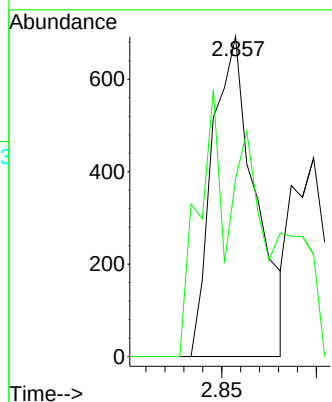
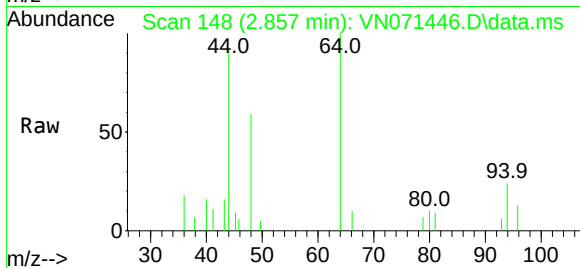
MW-1

Tgt Ion: 94 Resp: 1097

Ion Ratio Lower Upper

94 100

96 55.5 73.8 110.8#



#6

Chloroethane

Concen: 0.252 ug/l

RT: 3.028 min Scan# 177

Delta R.T. 0.024 min

Lab File: VN071446.D

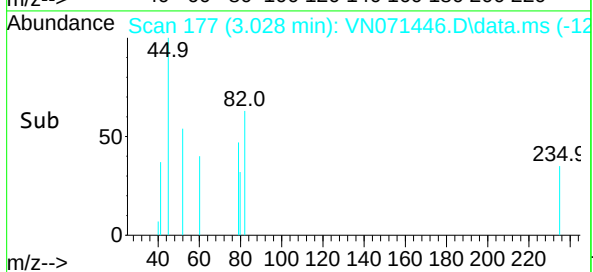
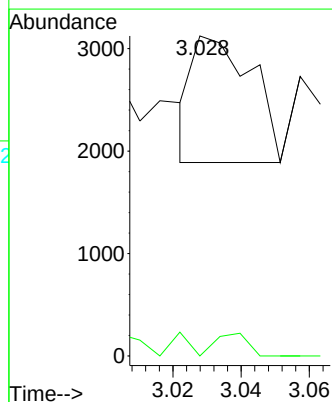
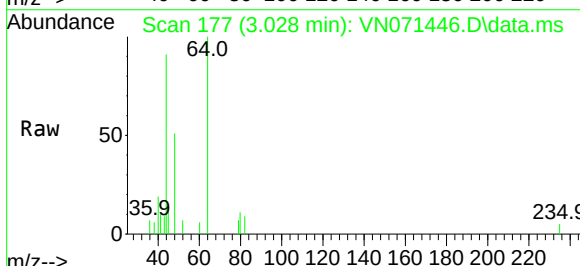
Acq: 22 Mar 2022 03:20

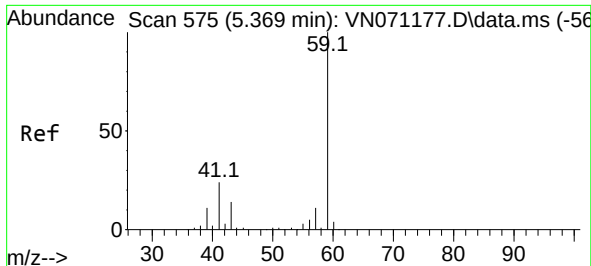
Tgt Ion: 64 Resp: 1481

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#





#11

Tert butyl alcohol

Concen: 6.683 ug/l

RT: 5.310 min Scan# 5

Delta R.T. -0.059 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

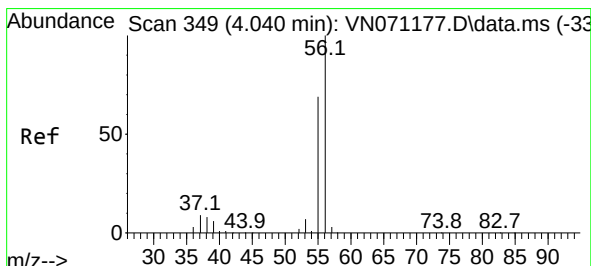
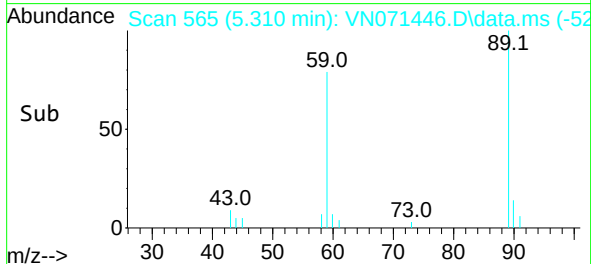
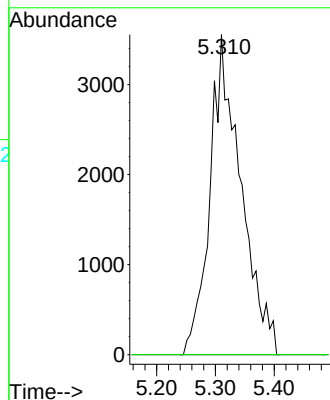
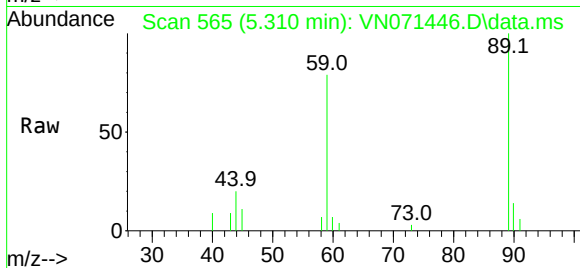
MW-1

Tgt Ion: 59 Resp: 13004

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.303 ug/l

RT: 4.051 min Scan# 351

Delta R.T. 0.012 min

Lab File: VN071446.D

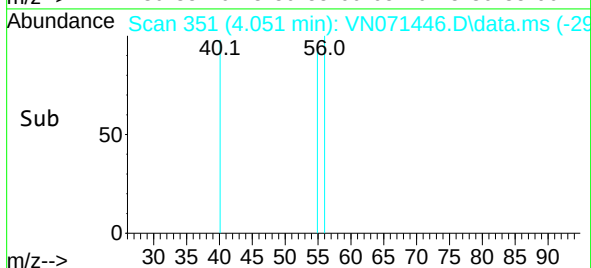
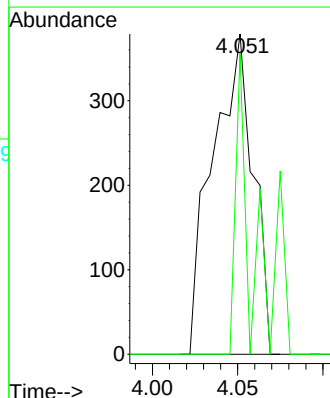
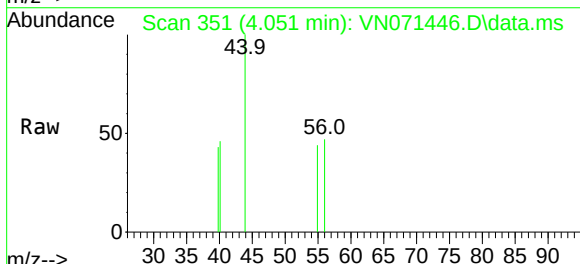
Acq: 22 Mar 2022 03:20

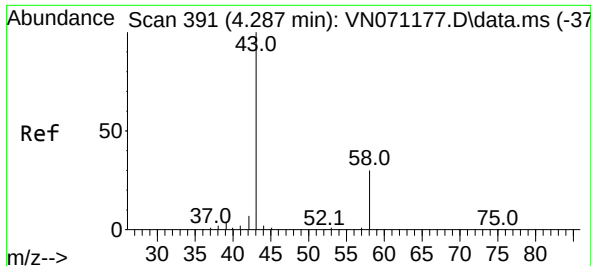
Tgt Ion: 56 Resp: 624

Ion Ratio Lower Upper

56 100

55 43.4 56.6 85.0#

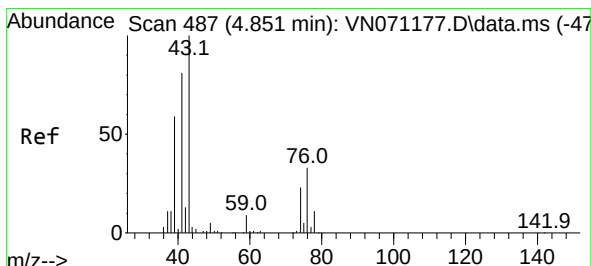
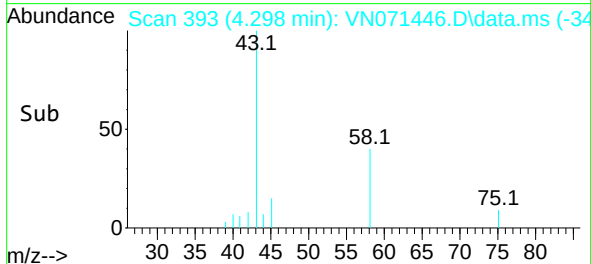
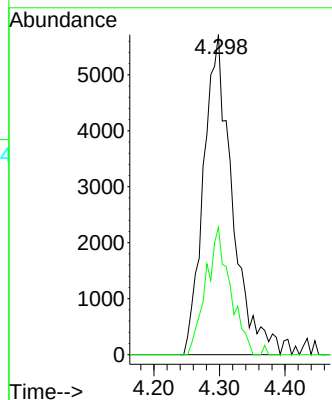
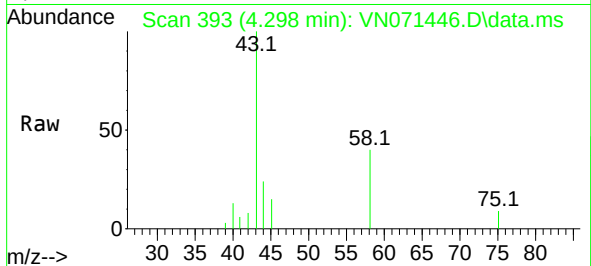




#16
Acetone
Concen: 3.602 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

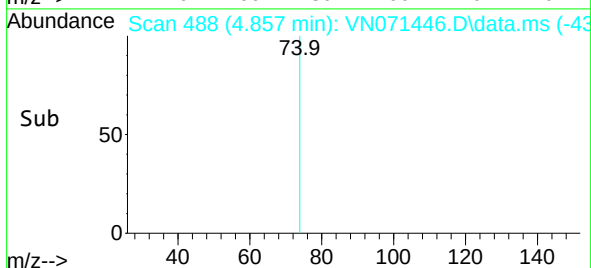
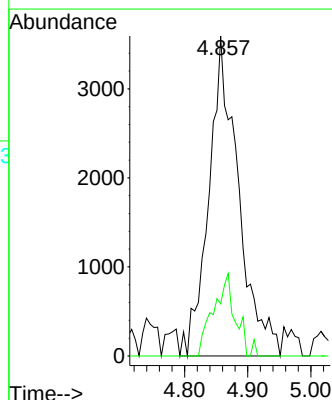
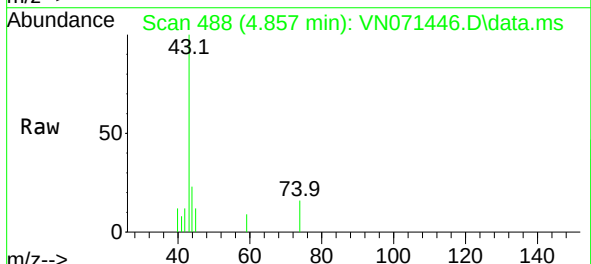
Instrument :
MSVOA_N
ClientSampleId :
MW-1

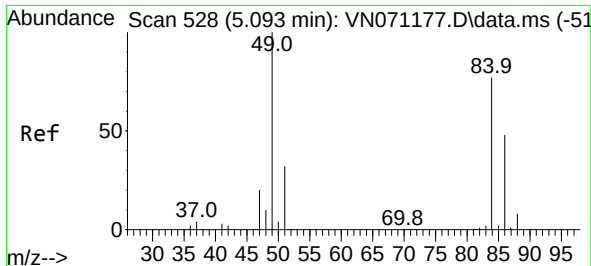
Tgt Ion: 43 Resp: 17359
Ion Ratio Lower Upper
43 100
58 39.8 23.1 34.7#



#18
Methyl Acetate
Concen: 1.364 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

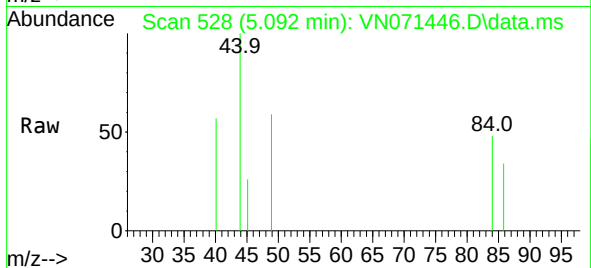
Tgt Ion: 43 Resp: 11675
Ion Ratio Lower Upper
43 100
74 18.4 19.4 29.2#





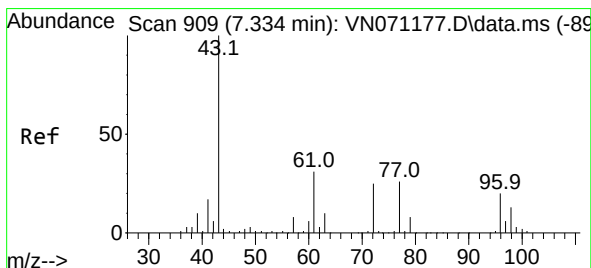
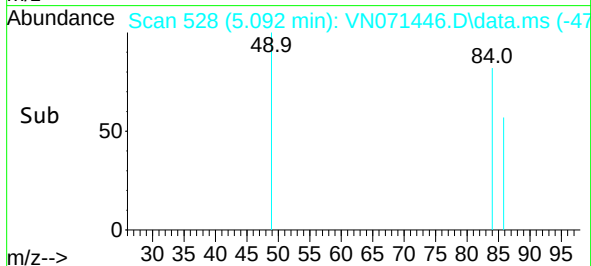
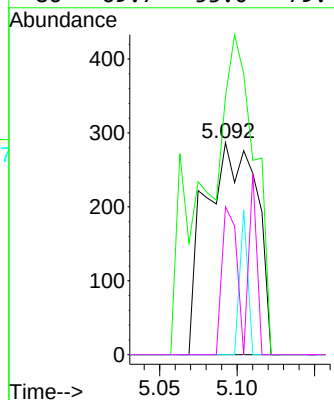
#20
Methylene Chloride
Concen: 0.456 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 84 Resp: 661

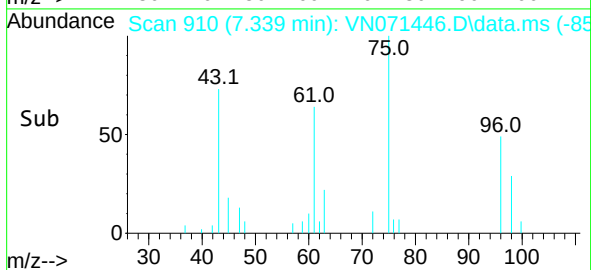
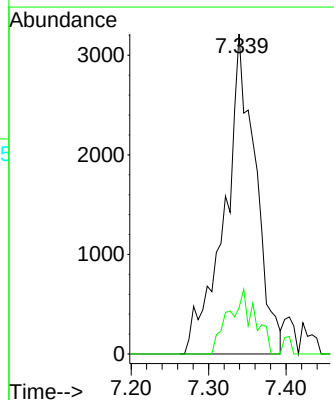
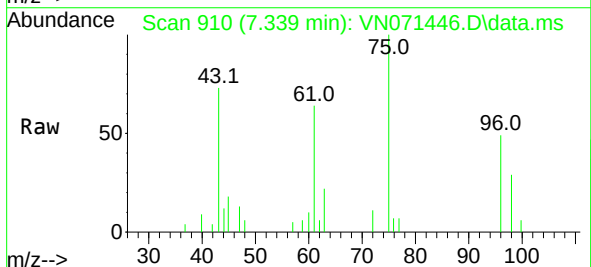
Ion	Ratio	Lower	Upper
84	100		
49	121.6	93.5	140.3
51	0.0	29.4	44.2#
86	69.7	53.0	79.4

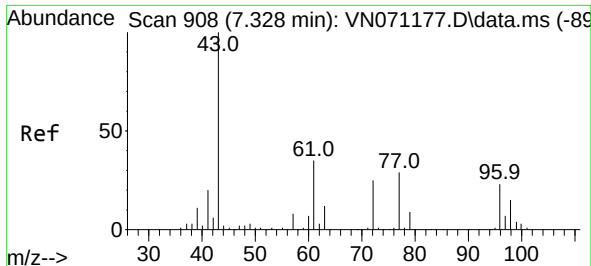


#25
2-Butanone
Concen: 1.141 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 43 Resp: 8861

Ion	Ratio	Lower	Upper
43	100		
72	14.5	21.7	32.5#



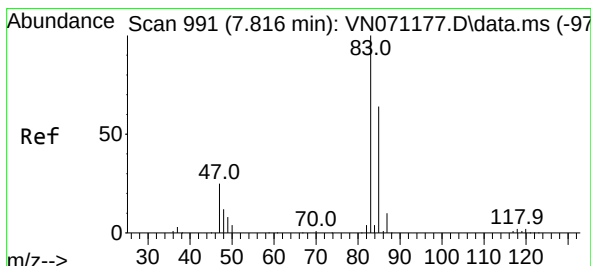
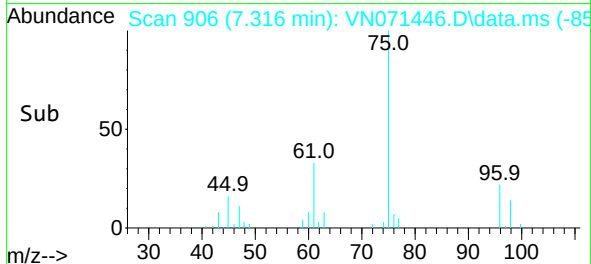
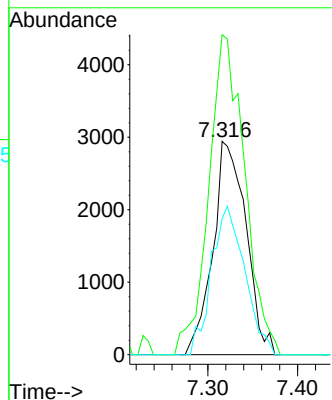
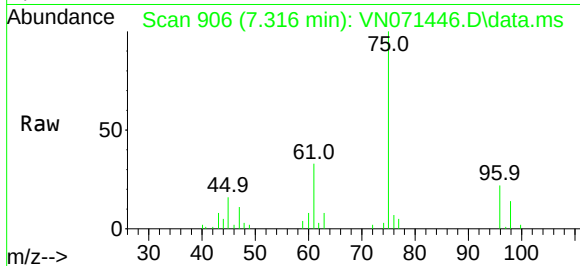


#27
 cis-1,2-Dichloroethene
 Concen: 0.802 ug/l
 RT: 7.316 min Scan# 906
 Delta R.T. -0.012 min
 Lab File: VN071446.D
 Acq: 22 Mar 2022 03:20

Instrument :
 MSVOA_N
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 MW-1

Tgt Ion: 96 Resp: 7547

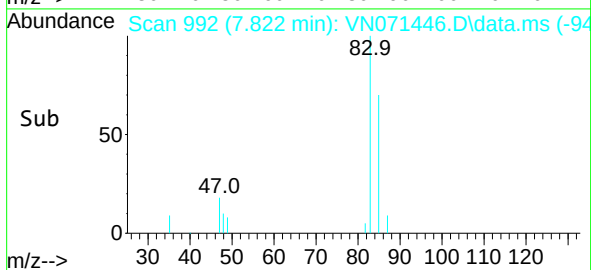
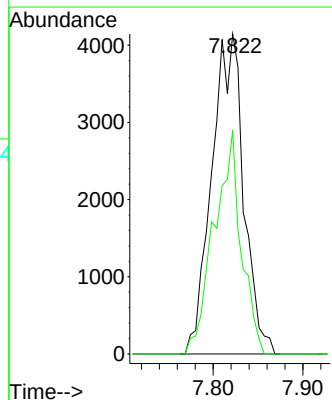
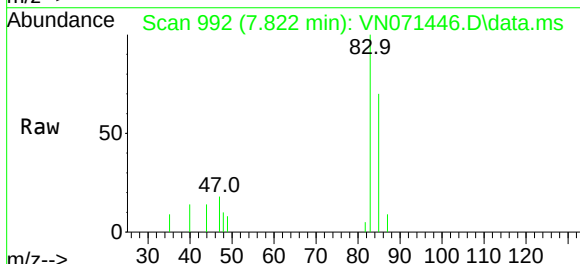
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	275.0
98	70.1	0.0	129.6

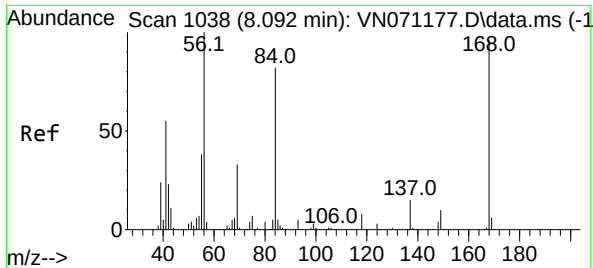


#30
 Chloroform
 Concen: 0.654 ug/l
 RT: 7.822 min Scan# 992
 Delta R.T. 0.006 min
 Lab File: VN071446.D
 Acq: 22 Mar 2022 03:20

Tgt Ion: 83 Resp: 10228

Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.9	77.9

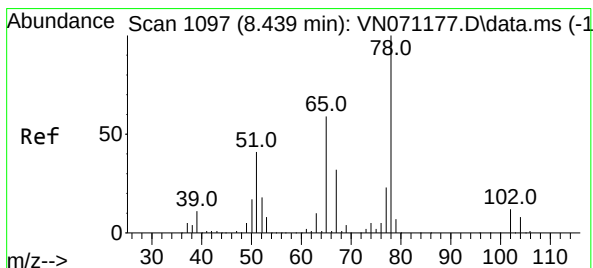
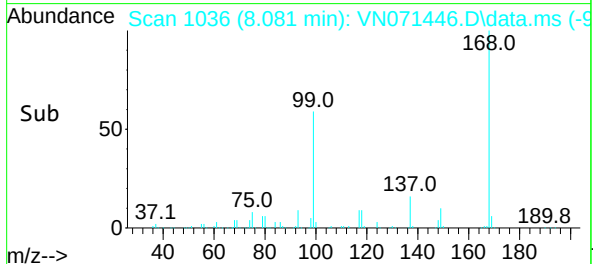
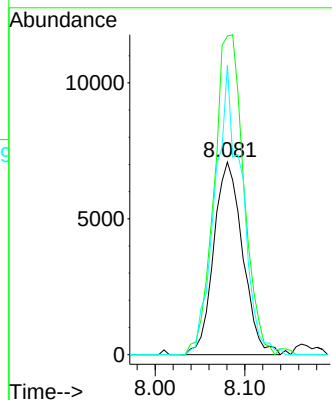
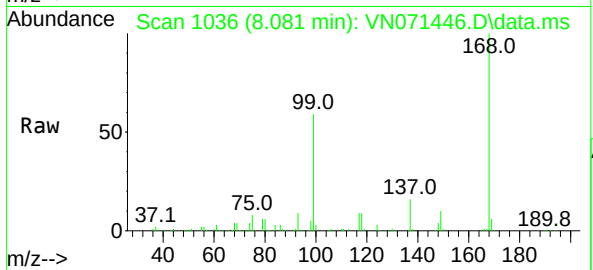




#31
Cyclohexane
Concen: 1.002 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

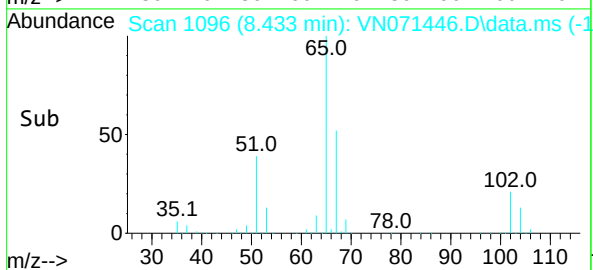
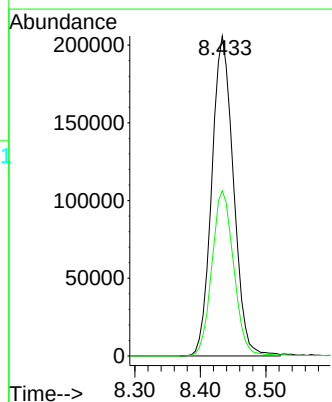
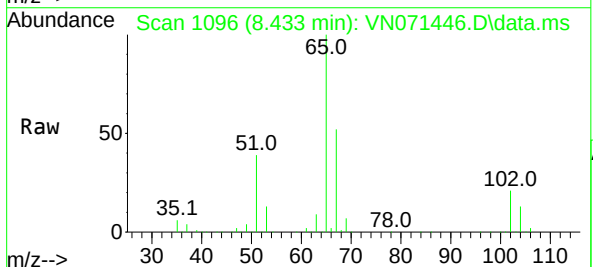
Instrument :
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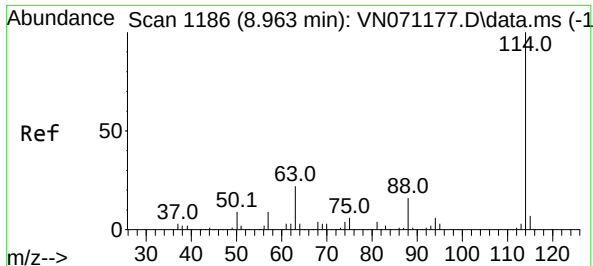
Tgt Ion: 56 Resp: 15852
Ion Ratio Lower Upper
56 100
69 165.4 27.1 40.7#
84 150.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.679 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 65 Resp: 472288
Ion Ratio Lower Upper
65 100
67 52.0 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: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1

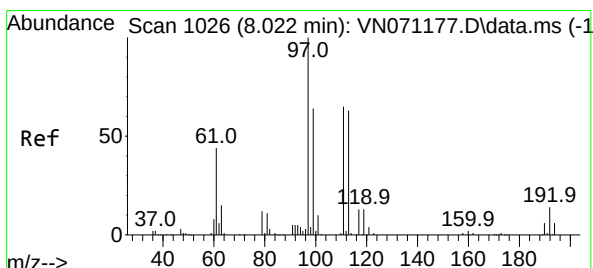
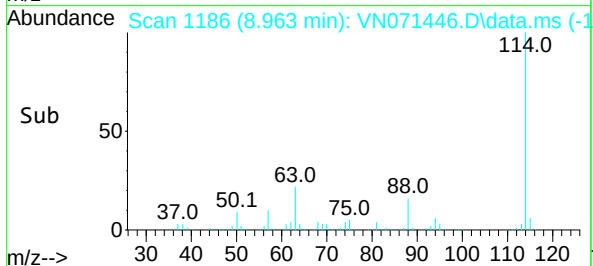
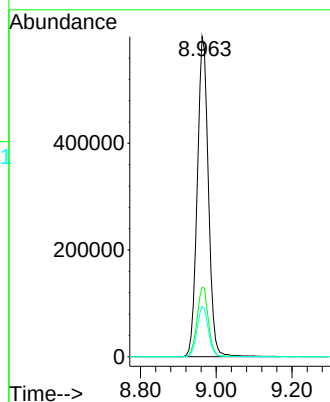
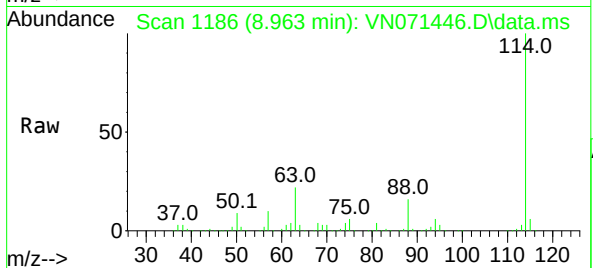
Tgt Ion:114 Resp: 1227587

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.316 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

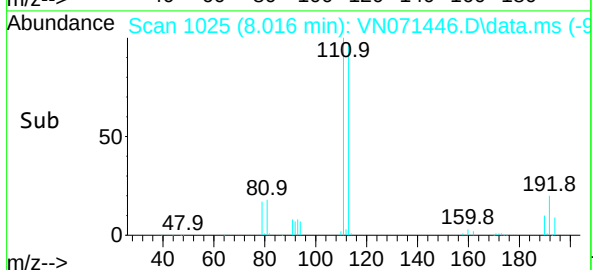
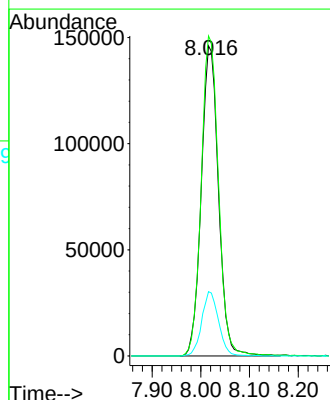
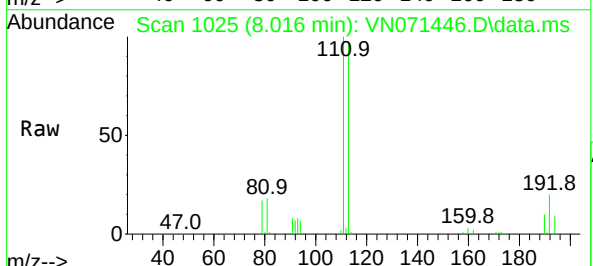
Tgt Ion:113 Resp: 358786

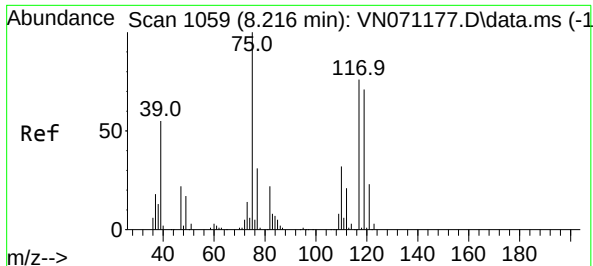
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.695 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1

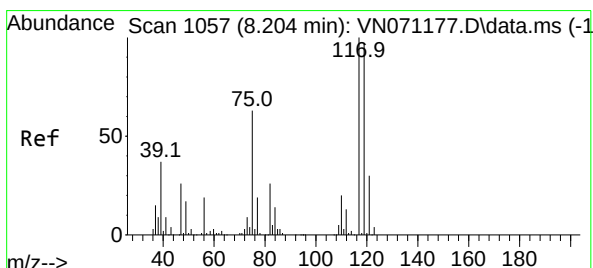
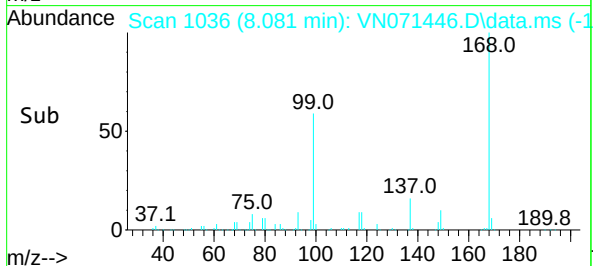
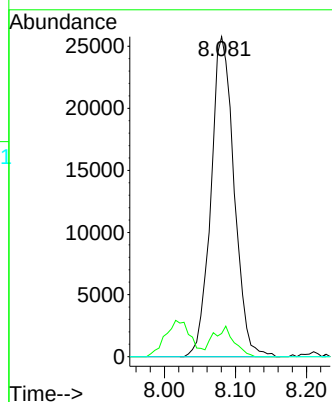
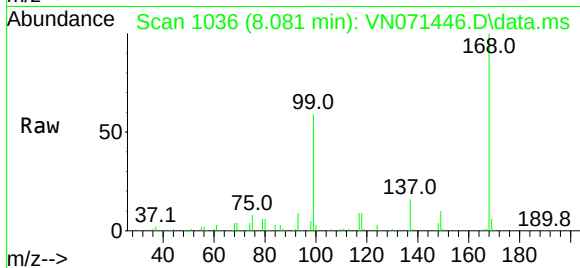
Tgt Ion: 75 Resp: 58271

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.891 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

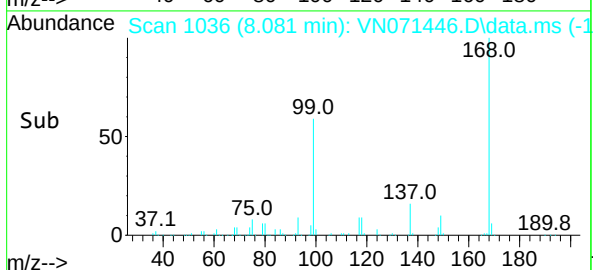
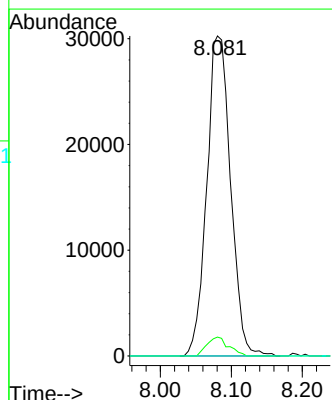
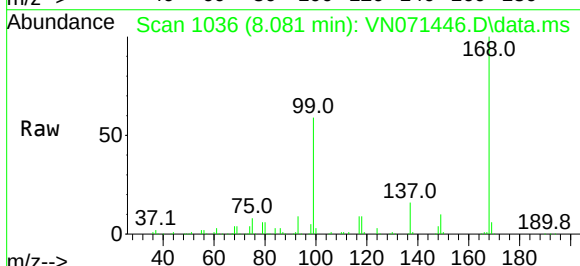
Tgt Ion: 117 Resp: 70722

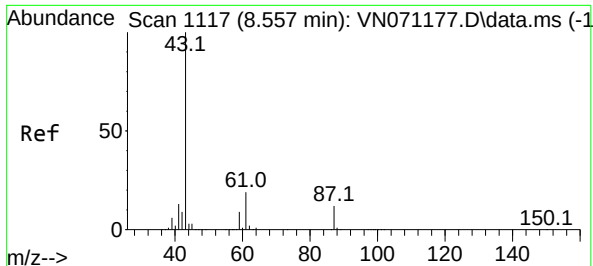
Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.580 ug/l

RT: 8.580 min Scan# 1117

Delta R.T. 0.023 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1

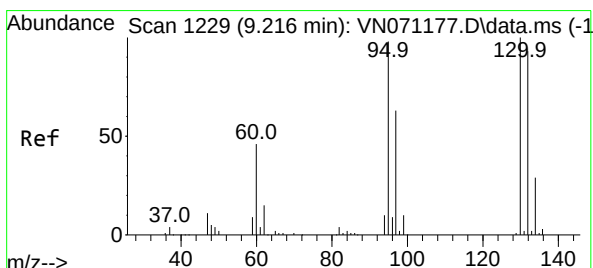
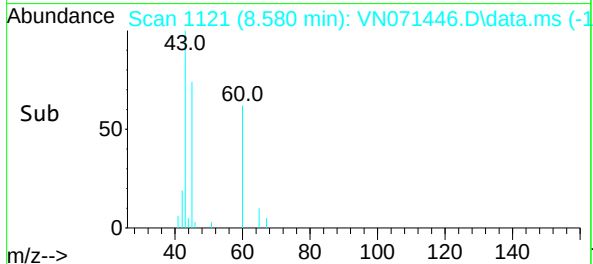
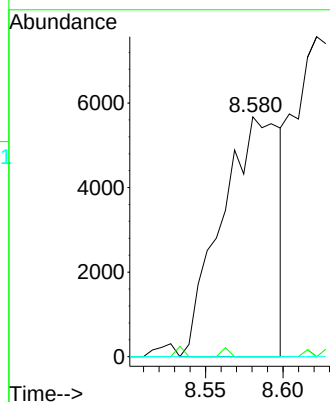
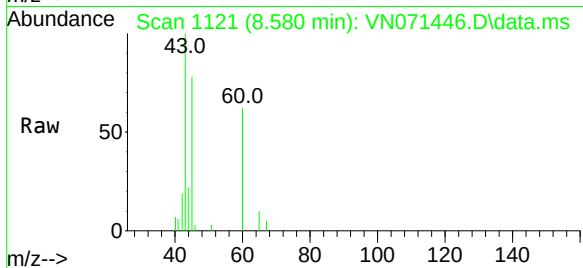
Tgt Ion: 43 Resp: 14819

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#



#44

Trichloroethene

Concen: 0.604 ug/l

RT: 9.210 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VN071446.D

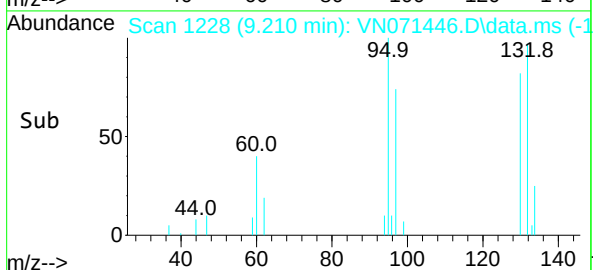
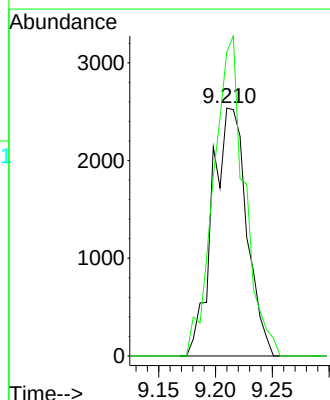
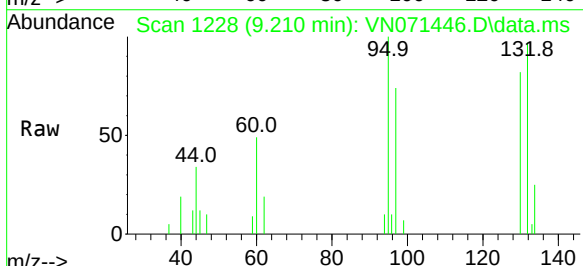
Acq: 22 Mar 2022 03:20

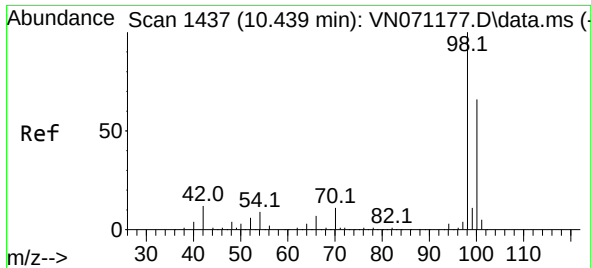
Tgt Ion:130 Resp: 5328

Ion Ratio Lower Upper

130 100

95 122.6 0.0 191.2

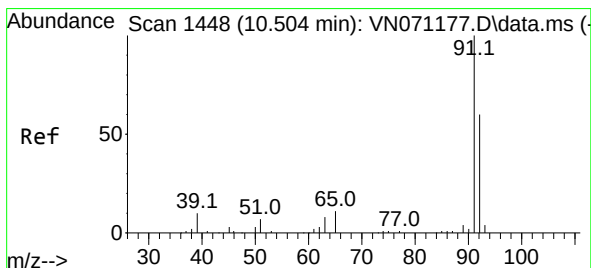
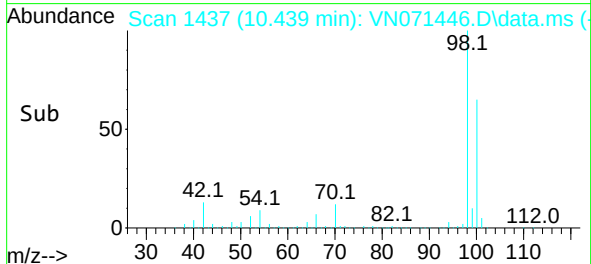
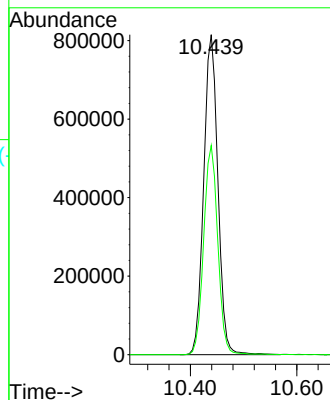
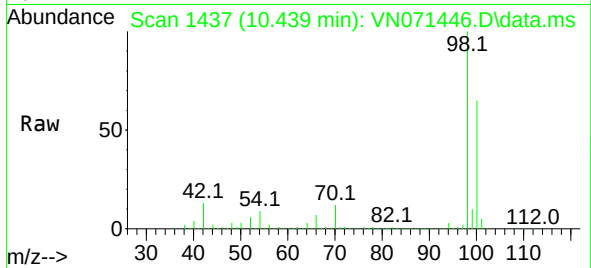




#50
Toluene-d8
Concen: 48.188 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

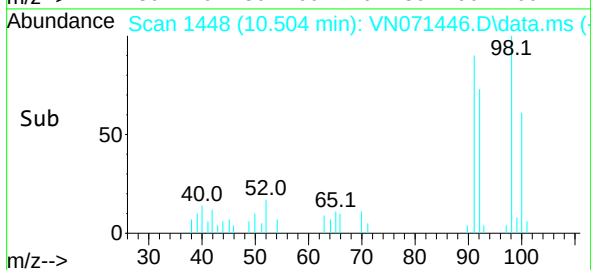
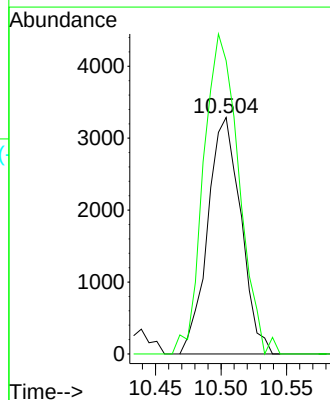
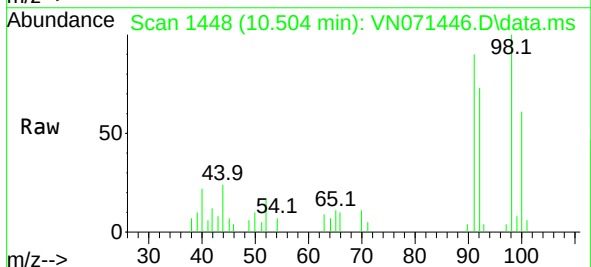
Instrument :
MSVOA_N
ClientSampleId :
MW-1

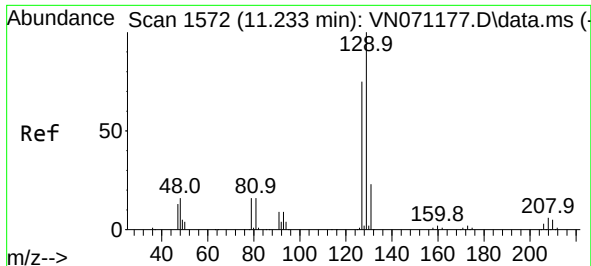
Tgt Ion: 98 Resp: 1502968
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6



#52
Toluene
Concen: 0.252 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 92 Resp: 5797
Ion Ratio Lower Upper
92 100
91 143.8 142.0 213.0

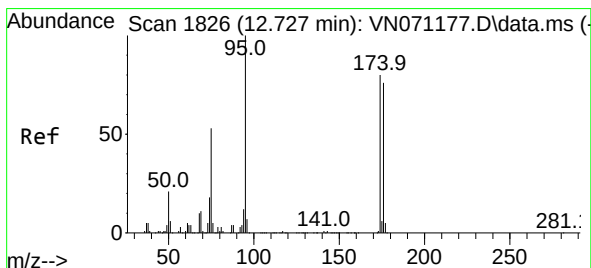
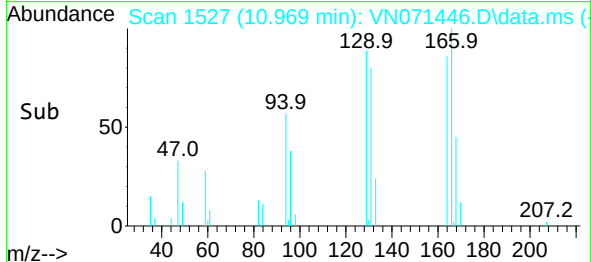
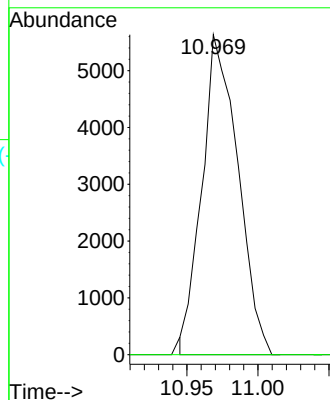
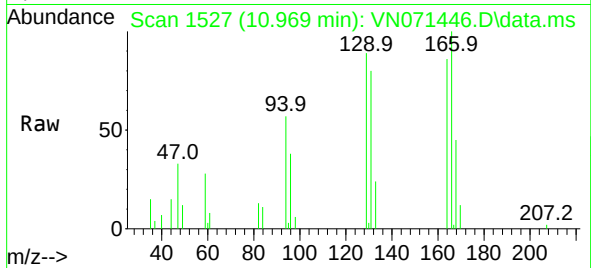




#60
Dibromochloromethane
Concen: 1.079 ug/l
RT: 10.969 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

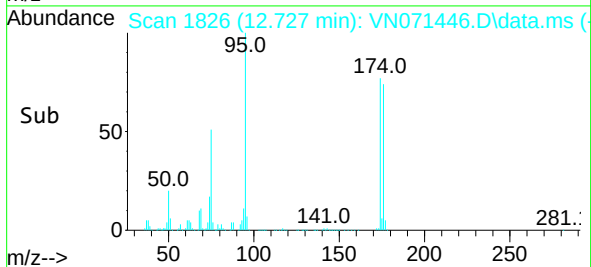
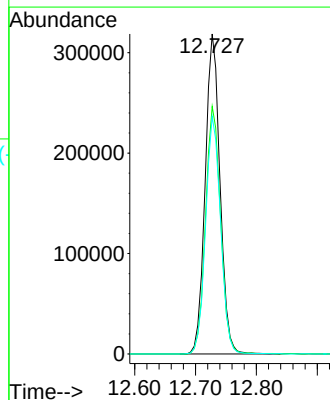
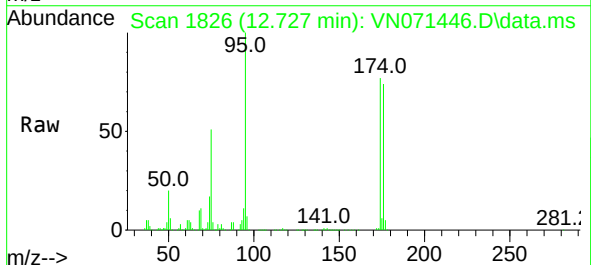
Instrument :
MSVOA_N
ClientSampleId :
MW-1

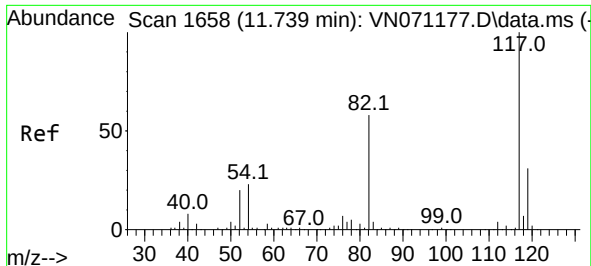
Tgt Ion:129 Resp: 9890
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.013 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 95 Resp: 538777
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 75.1 0.0 181.4

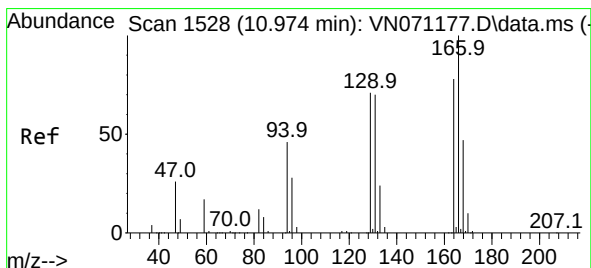
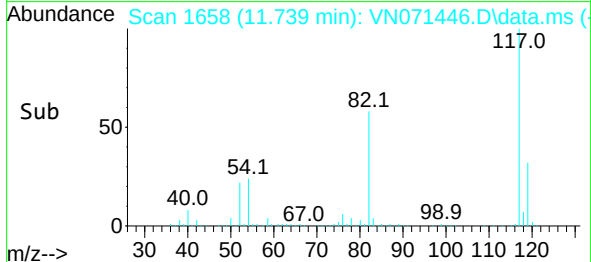
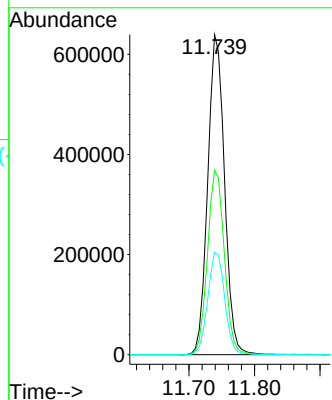
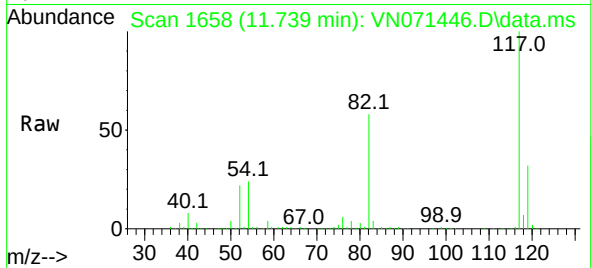




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

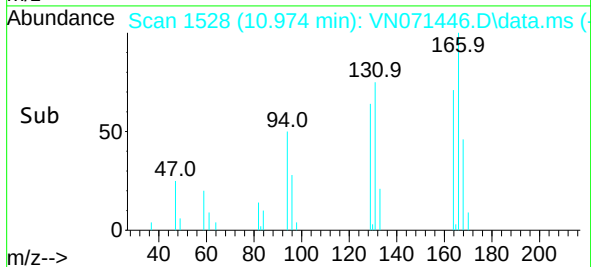
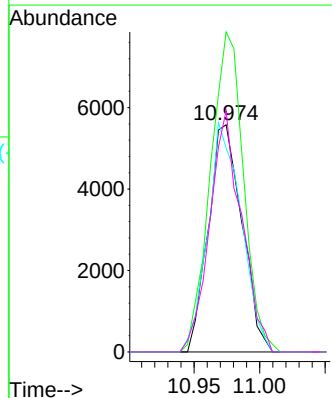
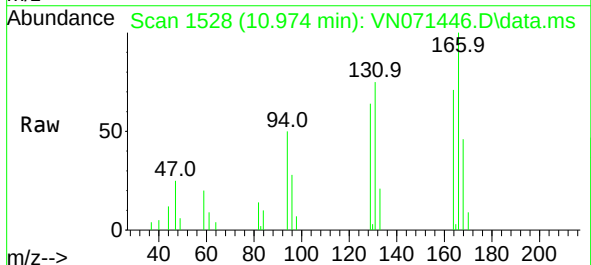
Instrument :
MSVOA_N
ClientSampleId :
MW-1

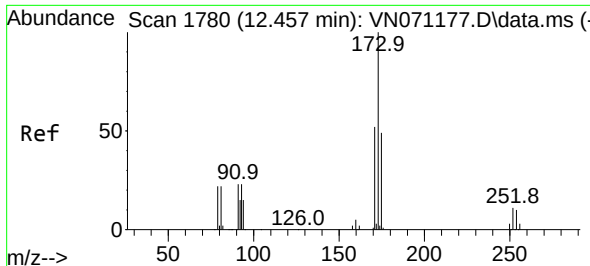
Tgt Ion:117 Resp: 1139606
Ion Ratio Lower Upper
117 100
82 57.6 42.4 63.6
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 1.254 ug/l
RT: 10.974 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion:164 Resp: 9965
Ion Ratio Lower Upper
164 100
166 140.9 101.9 152.9
129 89.9 72.0 108.0
131 106.2 70.9 106.3

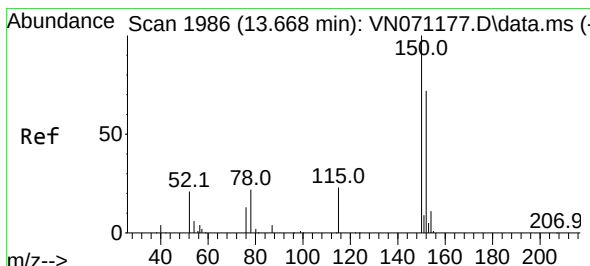
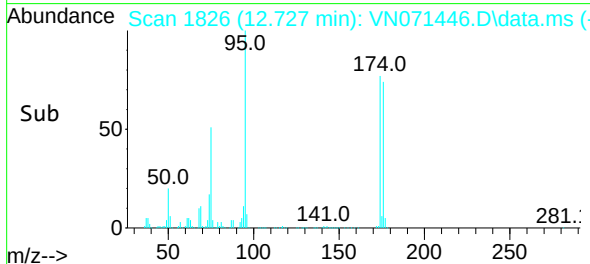
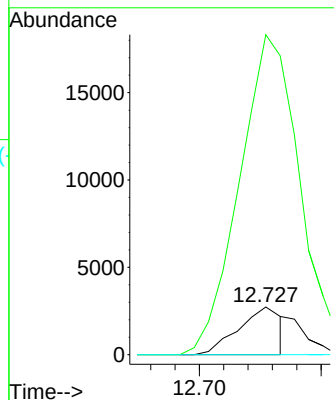
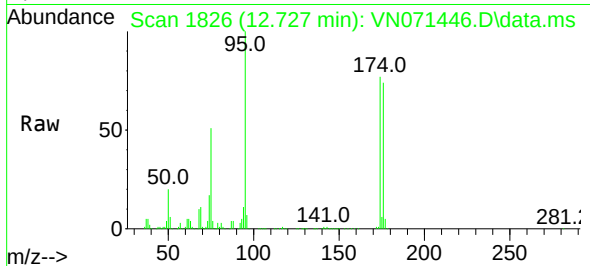




#71
Bromoform
Concen: 0.492 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

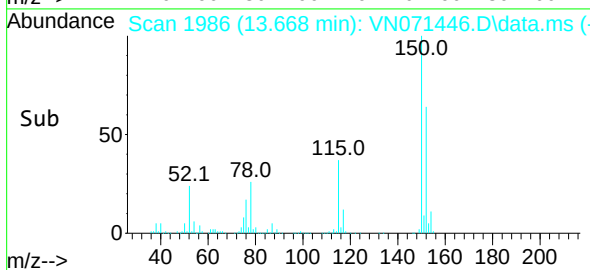
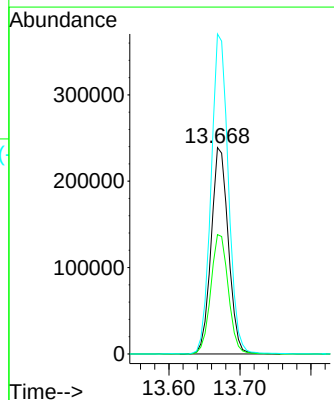
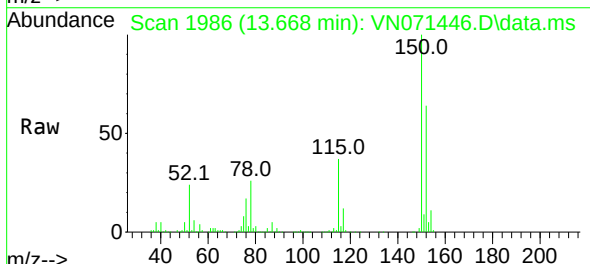
Instrument :
MSVOA_N
ClientSampleId :
MW-1

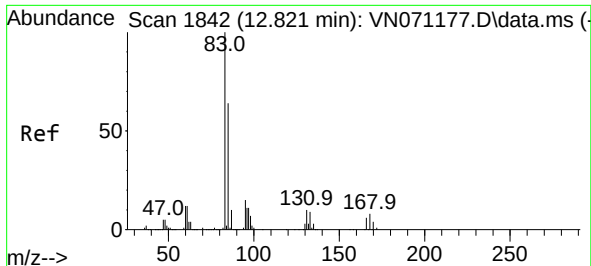
Tgt Ion:173 Resp: 3354
Ion Ratio Lower Upper
173 100
175 691.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion:152 Resp: 401725
Ion Ratio Lower Upper
152 100
115 59.0 27.5 82.5
150 156.0 0.0 344.4

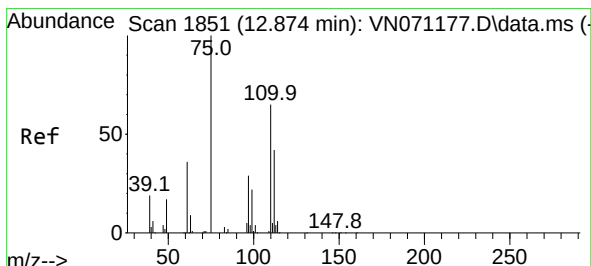
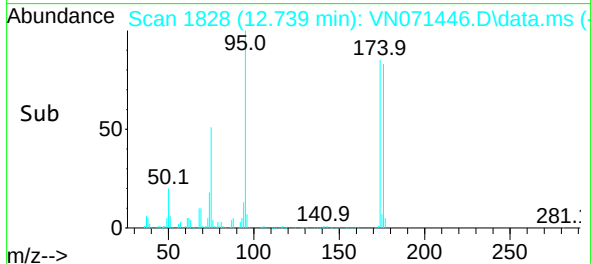
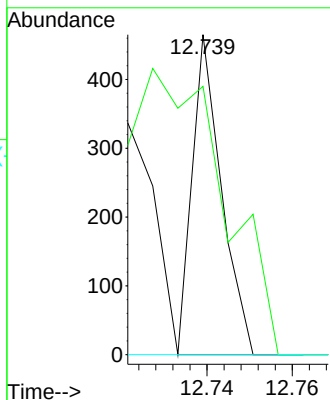
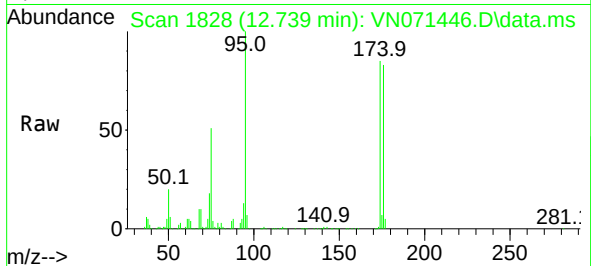




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.739 min Scan# 1828
Delta R.T. -0.082 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

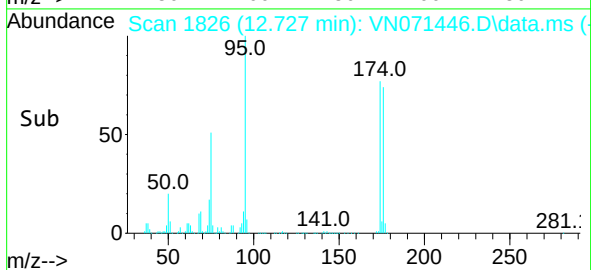
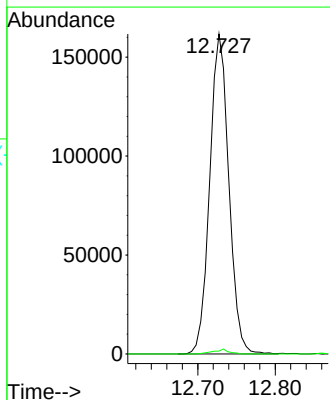
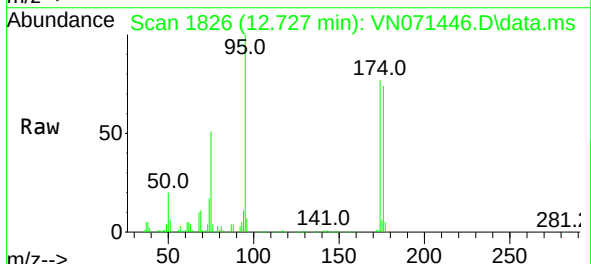
Instrument :
MSVOA_N
ClientSampleId :
MW-1

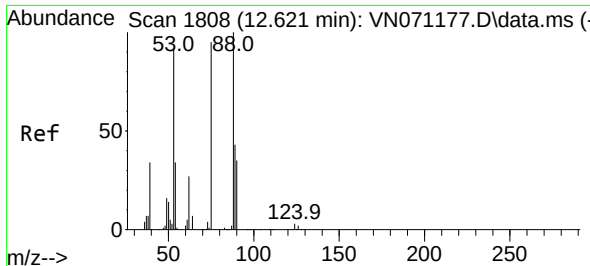
Tgt Ion: 83 Resp: 222
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.232 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion: 75 Resp: 277652
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

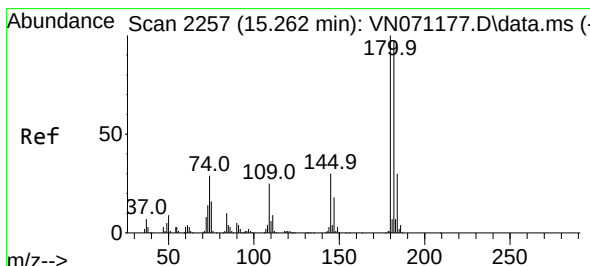
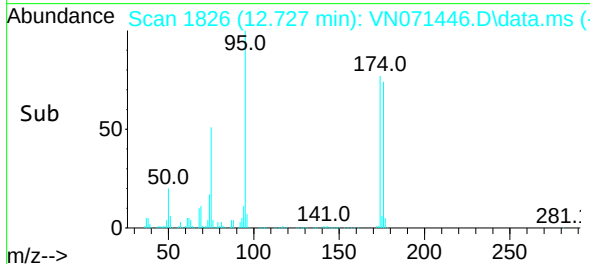
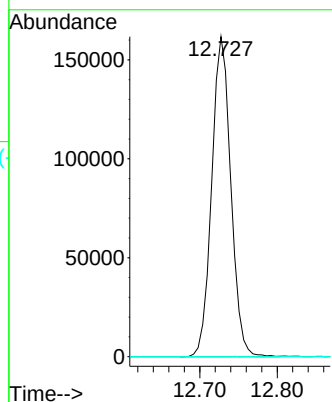
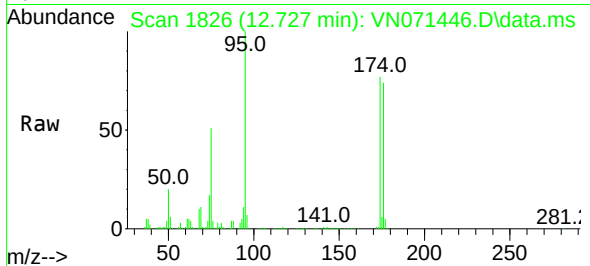




#81
trans-1,4-Dichloro-2-butene
Concen: 74.713 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

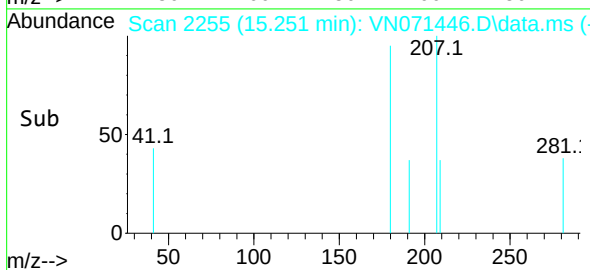
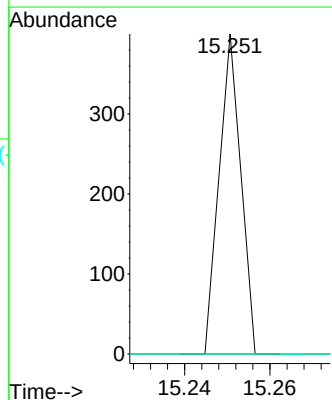
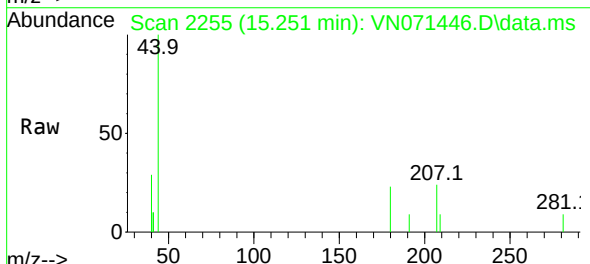
Instrument :
MSVOA_N
ClientSampleId :
MW-1

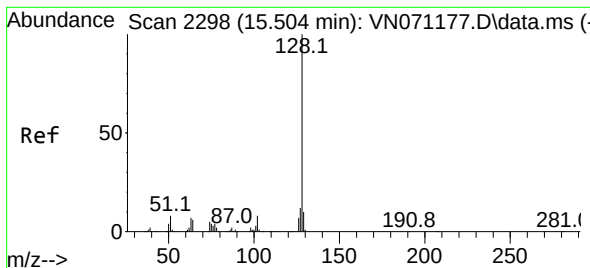
Tgt Ion: 75 Resp: 277652
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.009 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.011 min
Lab File: VN071446.D
Acq: 22 Mar 2022 03:20

Tgt Ion:180 Resp: 141
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 5.131 ug/l

RT: 15.509 min Scan# 2298

Delta R.T. 0.005 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1

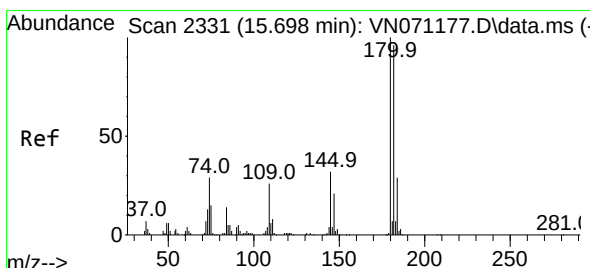
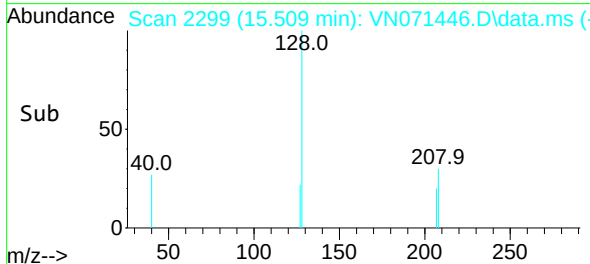
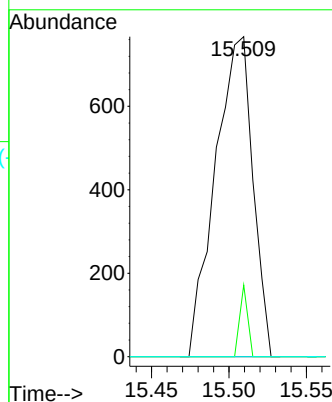
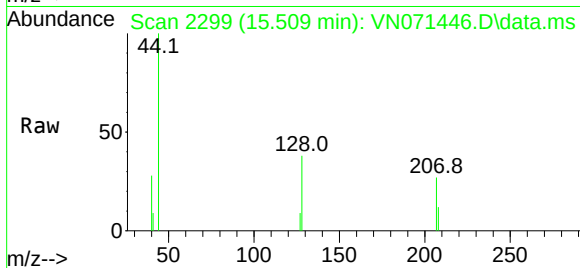
Tgt Ion:128 Resp: 1292

Ion Ratio Lower Upper

128 100

127 4.7 10.5 15.7#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.754 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. -0.000 min

Lab File: VN071446.D

Acq: 22 Mar 2022 03:20

Tgt Ion:180 Resp: 145

Ion Ratio Lower Upper

180 100

182 59.3 47.4 142.2

145 0.0 15.0 45.1#

