

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043021\
 Data File : VN066908.D
 Acq On : 30 Apr 2021 14:30
 Operator : JC/MD
 Sample : M2204-05 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ANTIFREEZE-1906

Quant Time: May 01 01:46:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

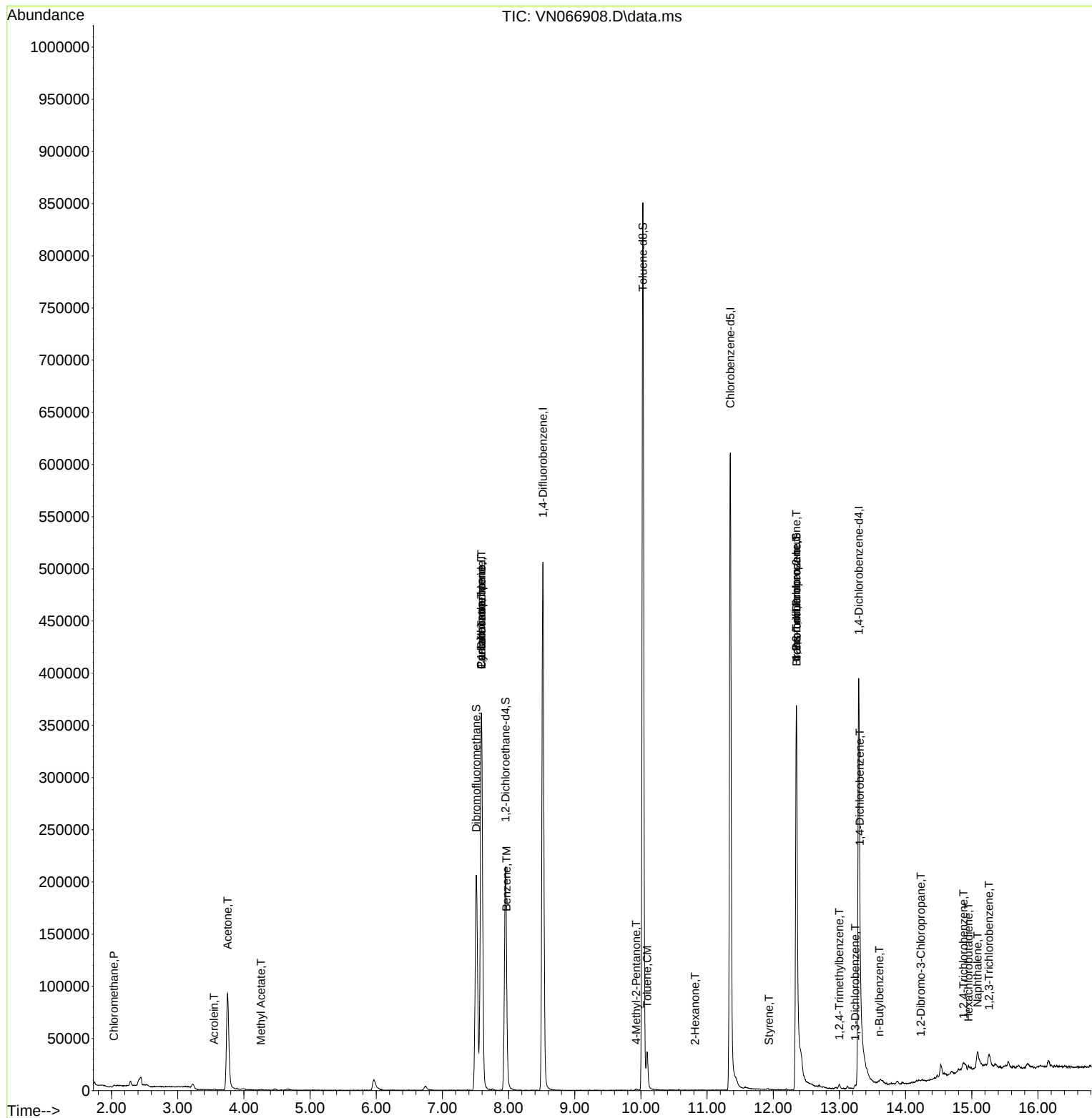
Internal Standards						
1) Pentafluorobenzene	7.591	168	335794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	492754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	430261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	183695	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	182809	42.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.74%		
35) Dibromofluoromethane	7.511	113	166768	54.83	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	109.66%		
50) Toluene-d8	10.029	98	629414	52.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.44%		
62) 4-Bromofluorobenzene	12.349	95	187724	46.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.94%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	973	0.20	ug/l	94
13) Acrolein	3.549	56	456	0.82	ug/l #	80
16) Acetone	3.753	43	155061	95.26	ug/l	95
18) Methyl Acetate	4.260	43	1114	1.36	ug/l #	51
31) Cyclohexane	7.588	56	5115	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	20341	4.44	ug/l #	45
38) Carbon Tetrachloride	7.591	117	27848	6.34	ug/l #	17
40) Benzene	7.969	78	4789	0.34	ug/l	98
51) 4-Methyl-2-Pentanone	9.930	43	1538	0.37	ug/l #	75
52) Toluene	10.096	92	14031	1.64	ug/l	99
59) 2-Hexanone	10.817	43	24	19.55	ug/l #	23
70) Styrene	11.936	104	123	3.06	ug/l #	26
71) Bromoform	12.351	173	996	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	82911	21.41	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	82911	58.44	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.998	105	3048	0.28	ug/l	95
87) 1,3-Dichlorobenzene	13.236	146	1176	0.21	ug/l #	70
88) 1,4-Dichlorobenzene	13.309	146	2354	0.39	ug/l #	46
89) n-Butylbenzene	13.604	91	2129	0.23	ug/l	73
92) 1,2-Dibromo-3-Chloropr...	14.229	75	258	0.32	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.875	180	5173	1.63	ug/l #	83
94) Hexachlorobutadiene	14.950	225	742	0.42	ug/l	94
95) Naphthalene	15.087	128	24989	3.06	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.259	180	6642	2.17	ug/l	96

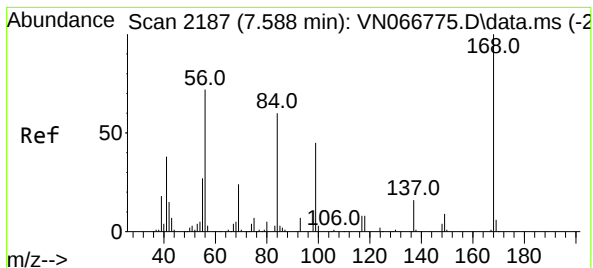
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

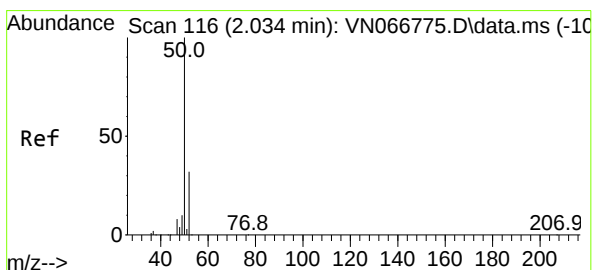
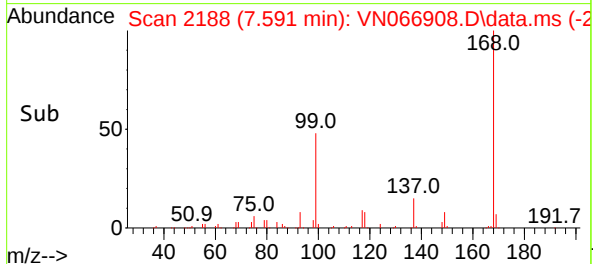
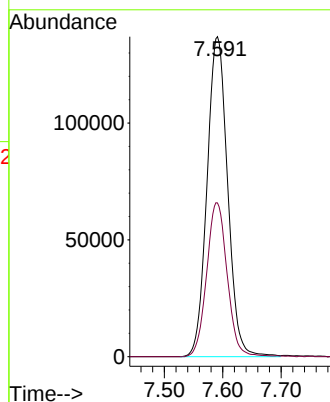
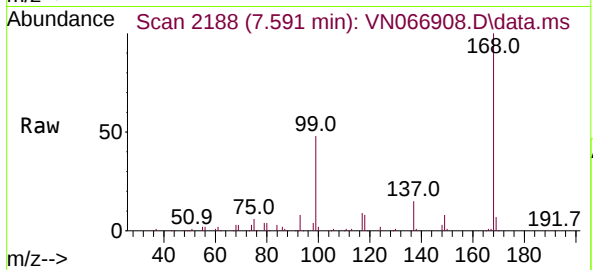




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

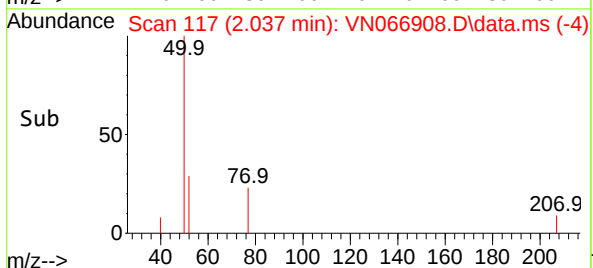
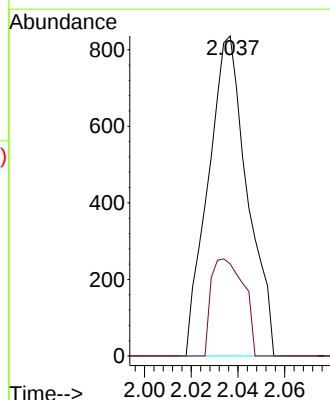
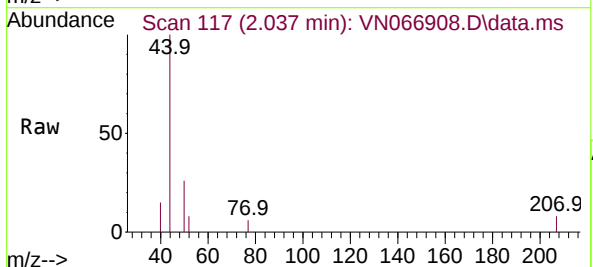
Instrument :
MSVOA_N
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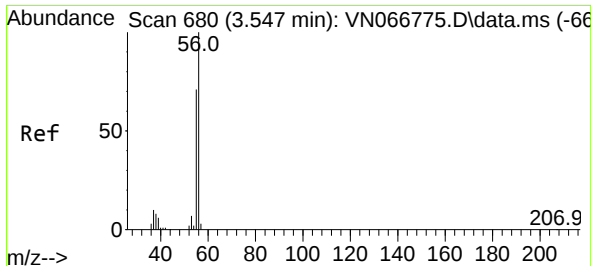
Tgt Ion:168 Resp: 335794
Ion Ratio Lower Upper
168 100
99 48.0 42.6 63.8



#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 50 Resp: 973
Ion Ratio Lower Upper
50 100
52 28.8 25.8 38.8

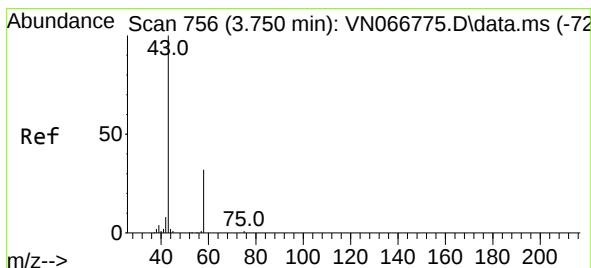
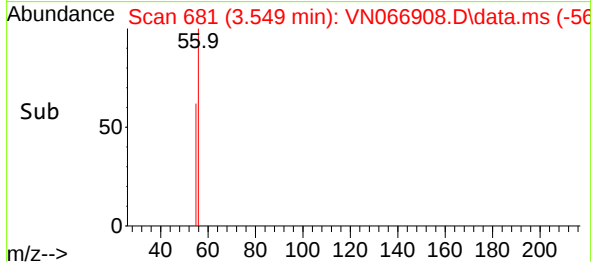
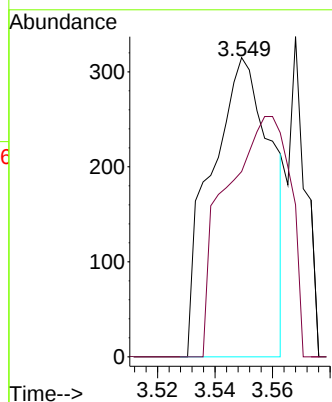
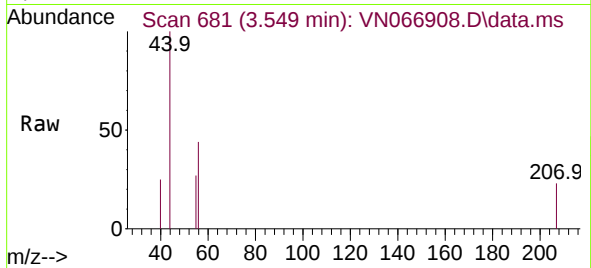




#13
Acrolein
Concen: 0.82 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

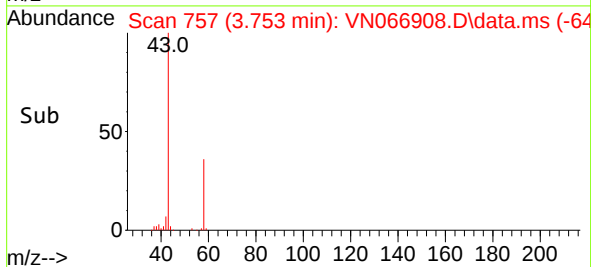
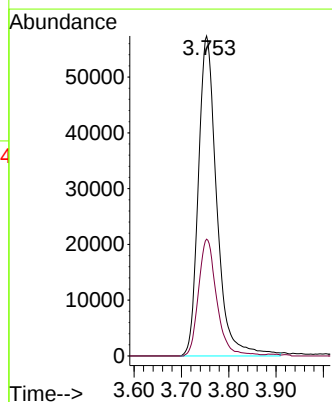
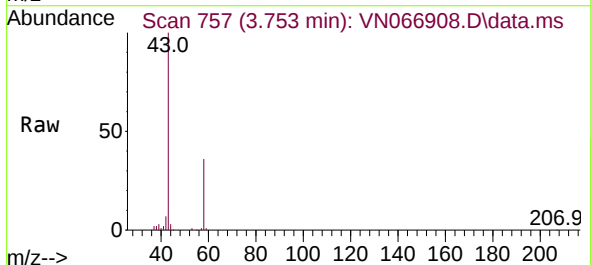
Instrument :
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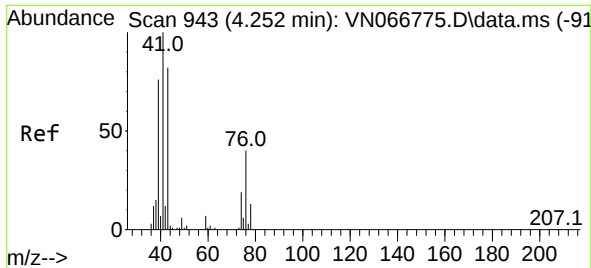
Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 86.2 56.0 84.0#



#16
Acetone
Concen: 95.26 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 43 Resp: 155061
Ion Ratio Lower Upper
43 100
58 36.5 27.0 40.6

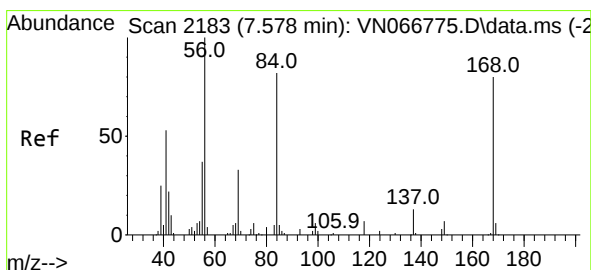
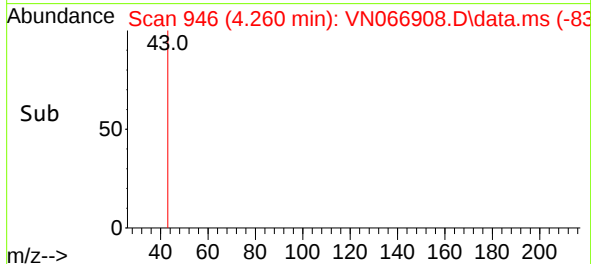
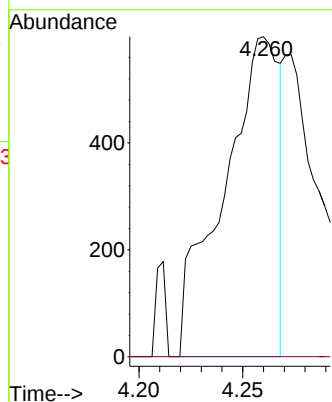
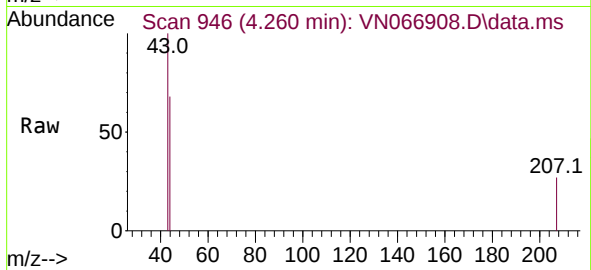




#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

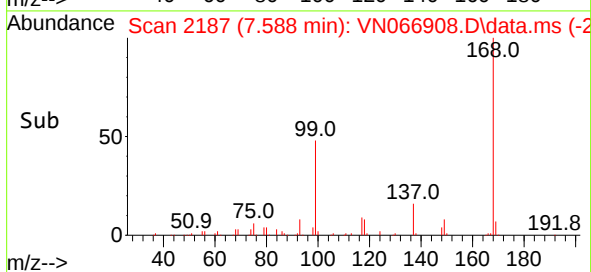
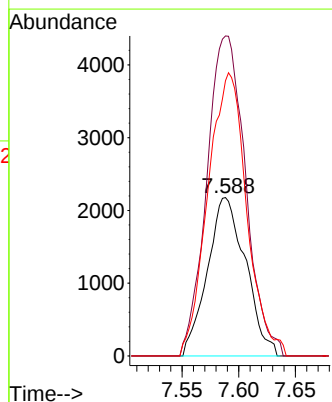
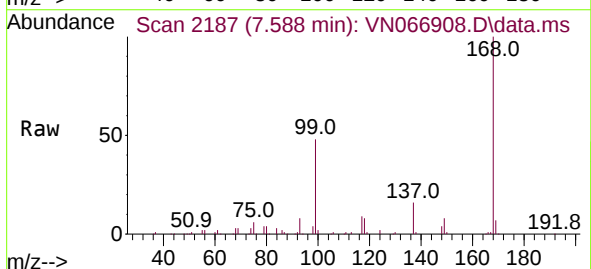
Instrument :
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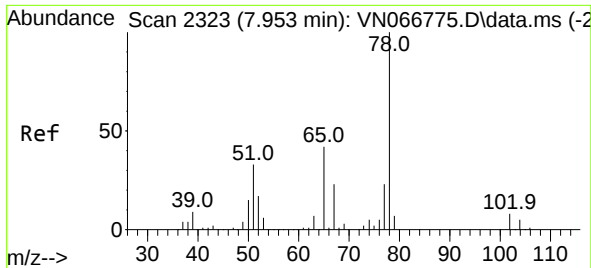
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 56 Resp: 5115
Ion Ratio Lower Upper
56 100
69 202.0 26.6 39.8#
84 173.7 70.4 105.6#

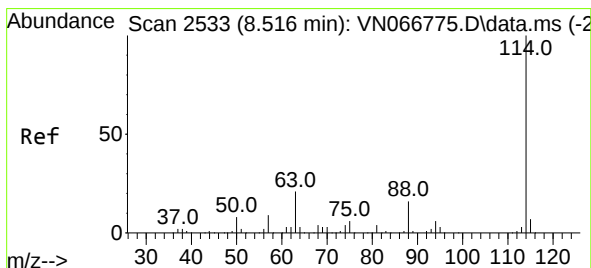
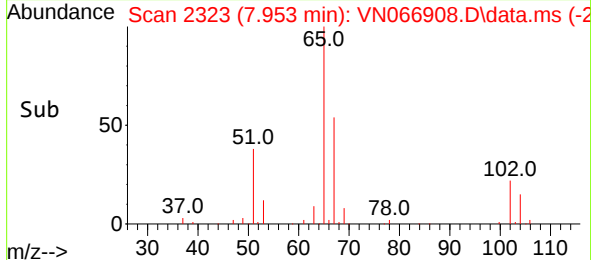
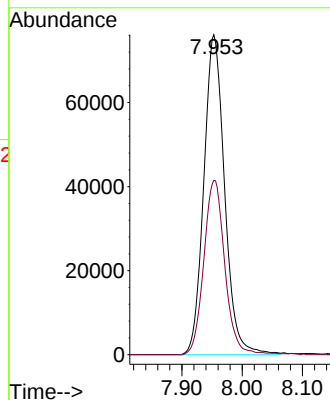
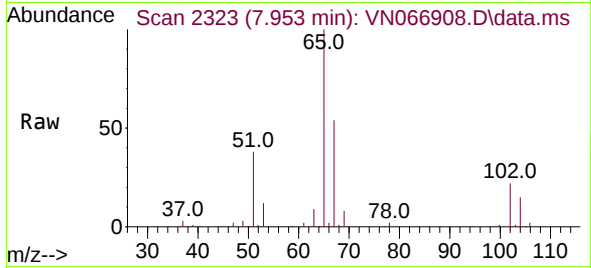




#33
1,2-Dichloroethane-d4
Concen: 42.37 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

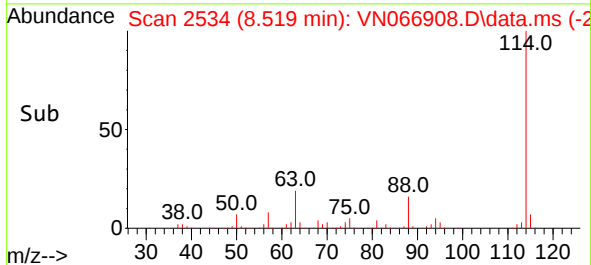
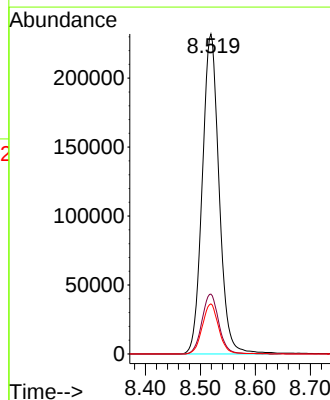
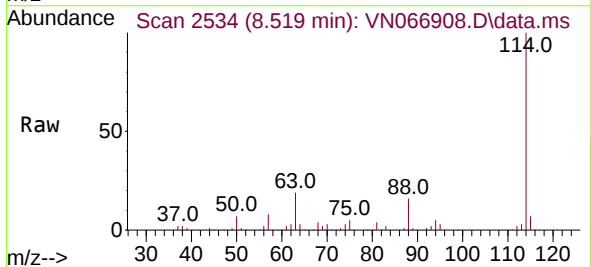
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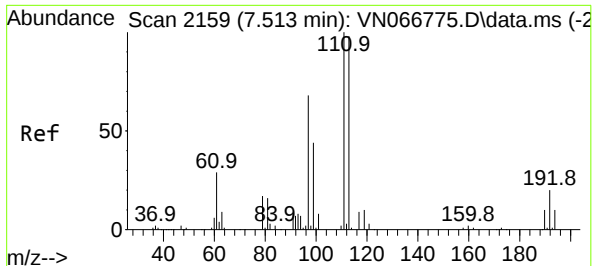
Tgt Ion: 65 Resp: 182809
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 114 Resp: 492754
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.6 0.0 30.6

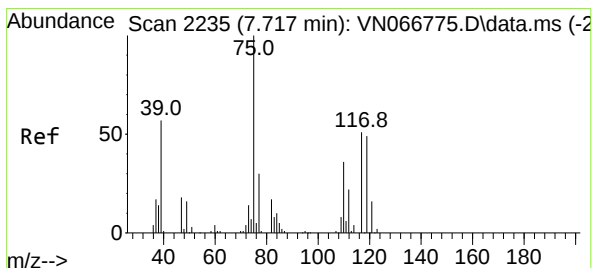
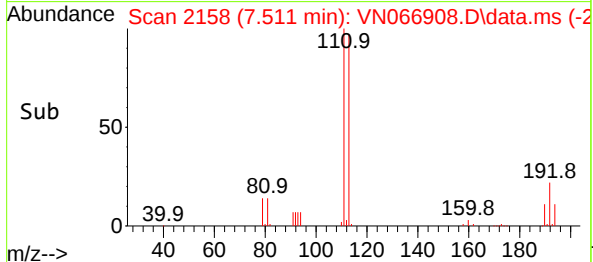
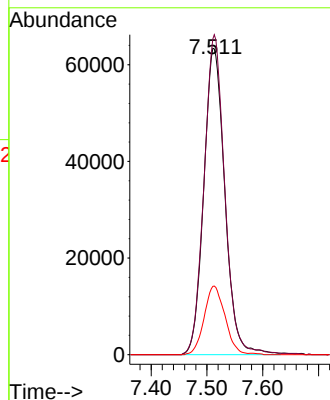
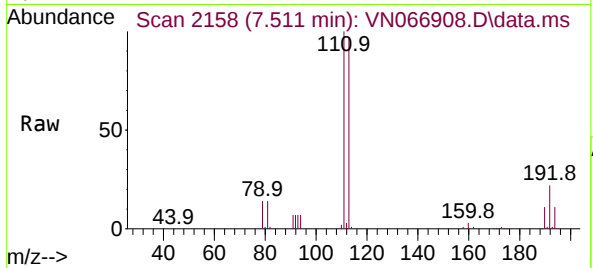




#35
Dibromofluoromethane
Concen: 54.83 ug/l
RT: 7.511 min Scan# 2158
Delta R.T. -0.002 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

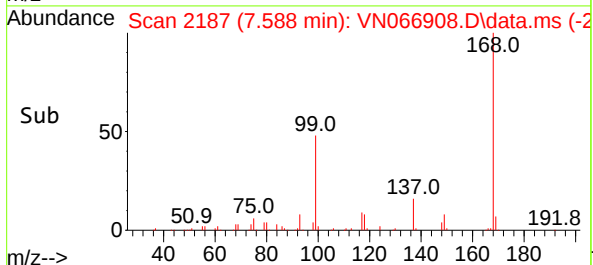
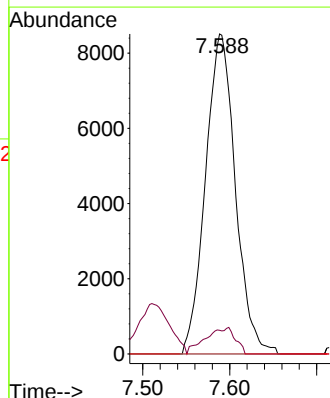
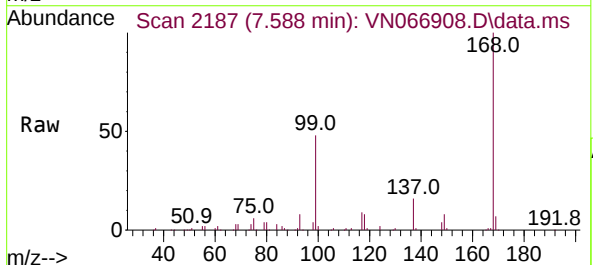
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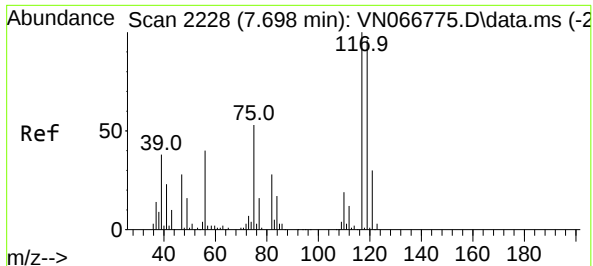
Tgt Ion:113 Resp: 166768
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 22.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.44 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 75 Resp: 20341
Ion Ratio Lower Upper
75 100
110 4.9 18.2 54.6#
77 0.0 24.9 37.3#

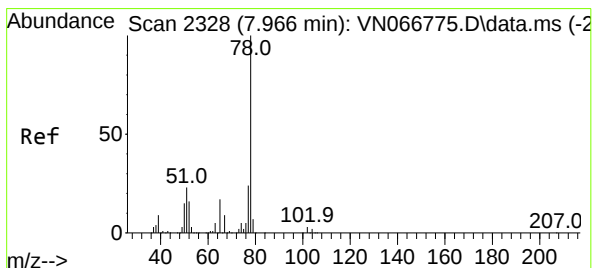
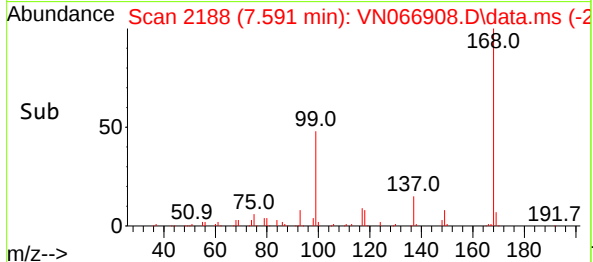
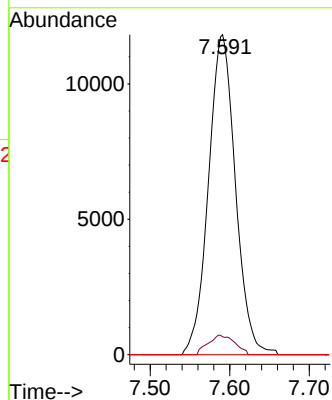
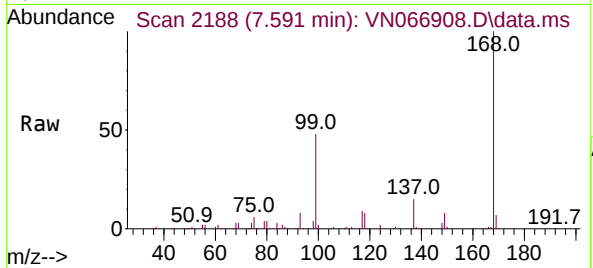




#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

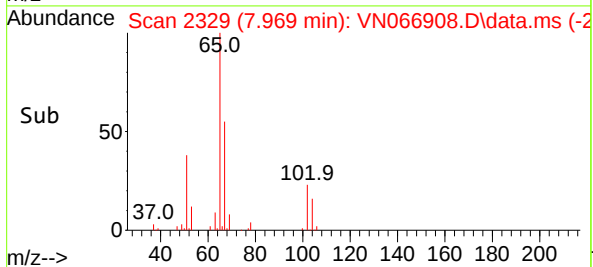
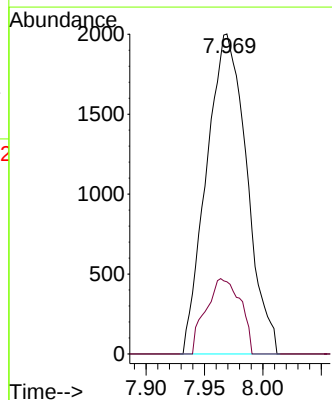
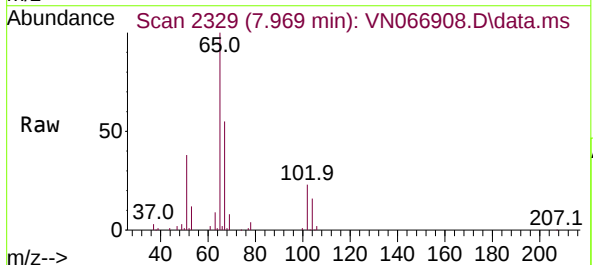
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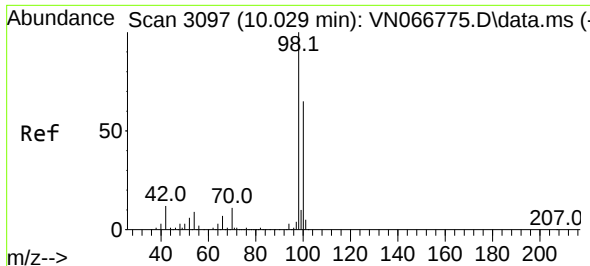
Tgt Ion:117 Resp: 27848
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.34 ug/l
RT: 7.969 min Scan# 2329
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 78 Resp: 4789
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4

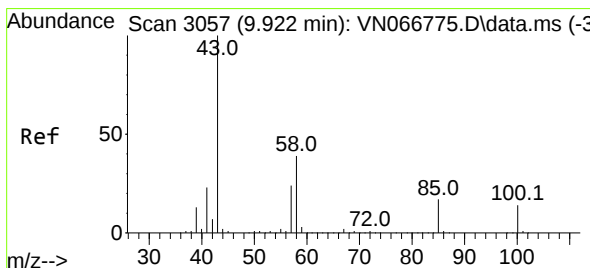
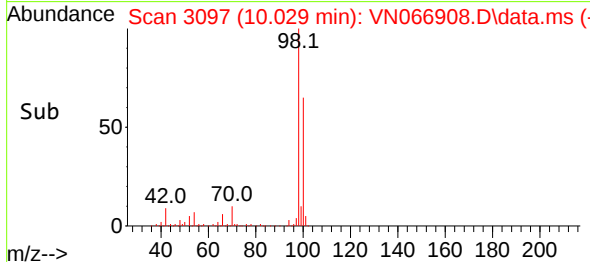
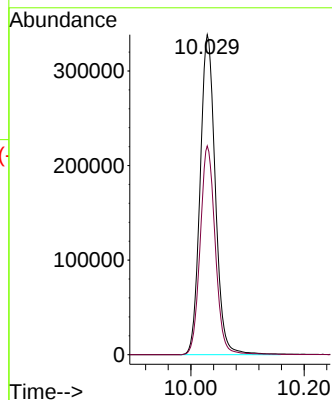
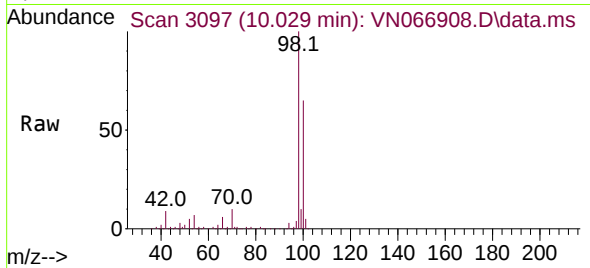




#50
Toluene-d8
Concen: 52.72 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

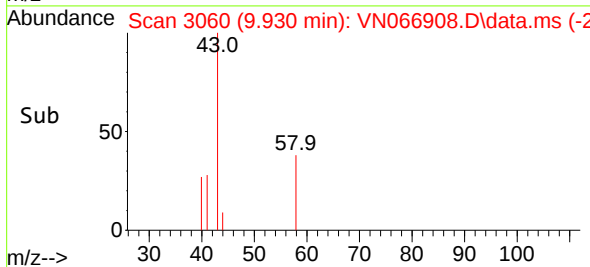
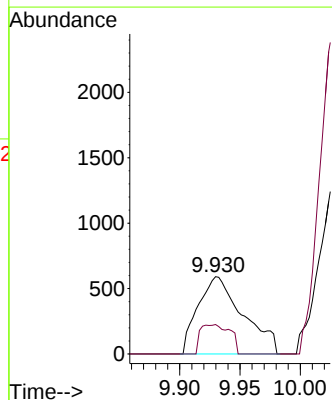
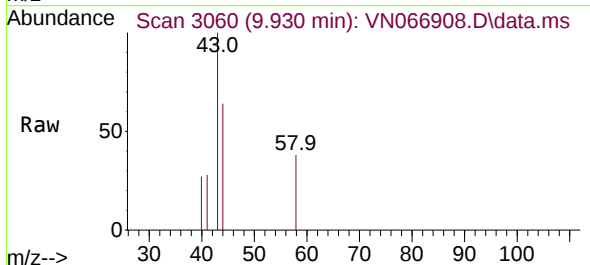
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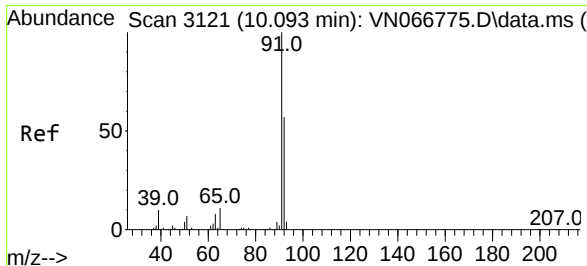
Tgt Ion: 98 Resp: 629414
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.37 ug/l
RT: 9.930 min Scan# 3060
Delta R.T. 0.008 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
58 24.9 32.5 48.7#

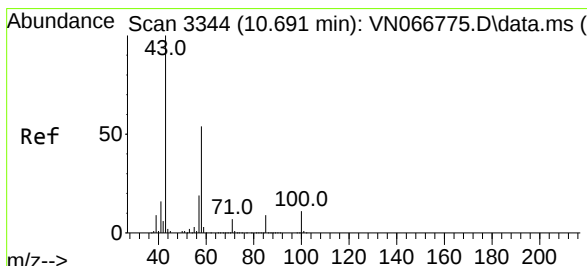
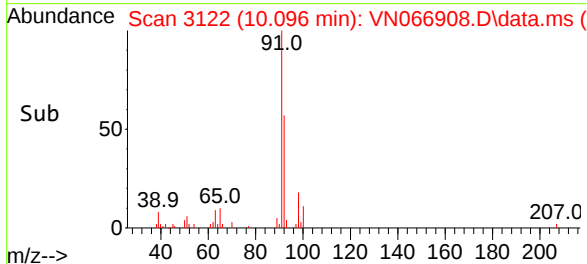
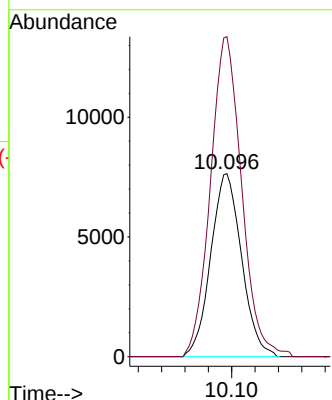
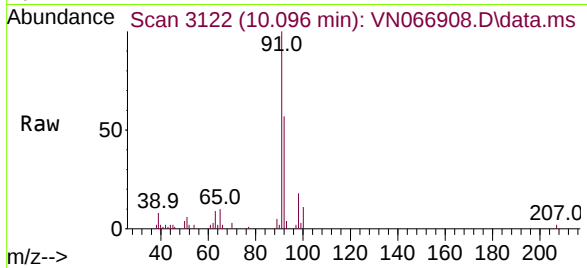




#52
Toluene
Concen: 1.64 ug/l
RT: 10.096 min Scan# 3122
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

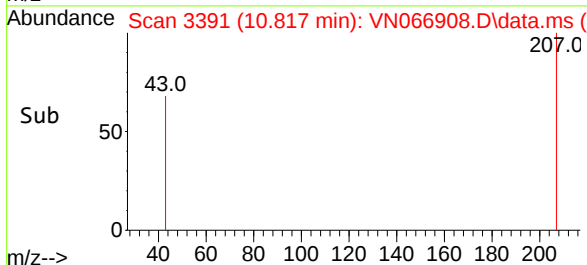
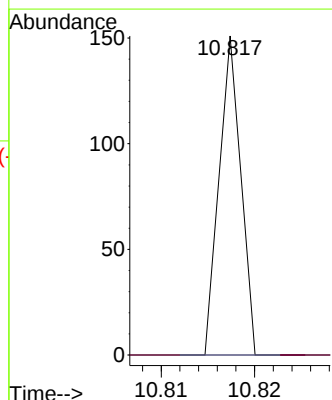
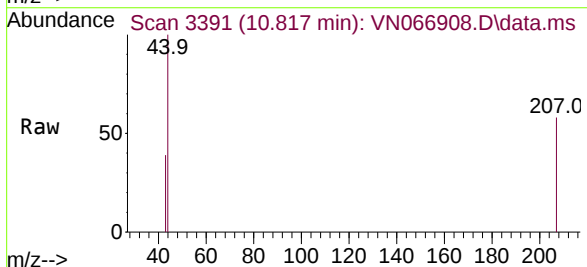
Instrument :
MSVOA_N
ClientSampleId :
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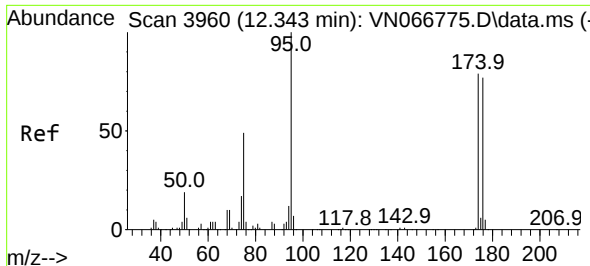
Tgt Ion: 92 Resp: 14031
Ion Ratio Lower Upper
92 100
91 176.9 140.7 211.1



#59
2-Hexanone
Concen: 19.55 ug/l
RT: 10.817 min Scan# 3391
Delta R.T. 0.126 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

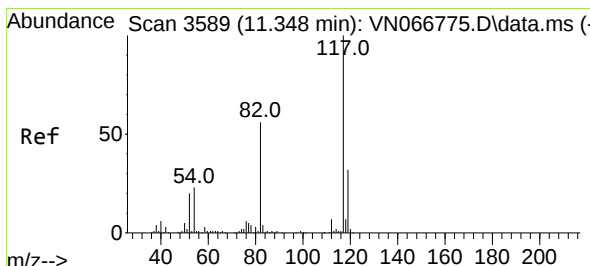
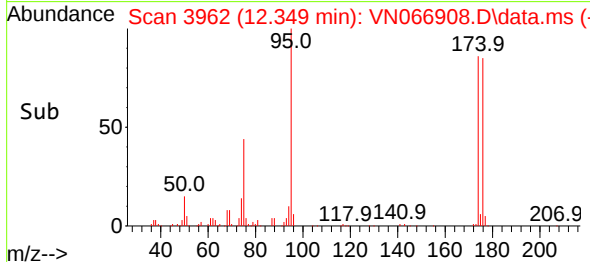
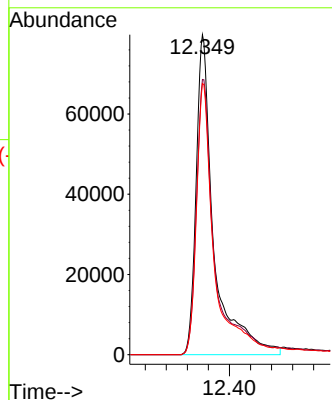
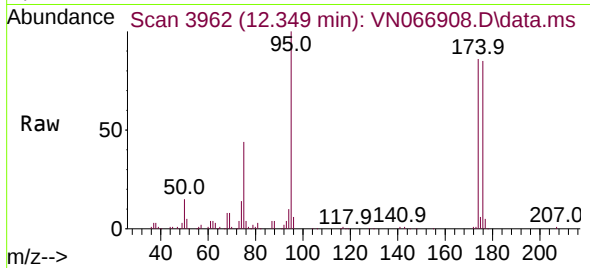




#62
4-Bromofluorobenzene
Concen: 46.47 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

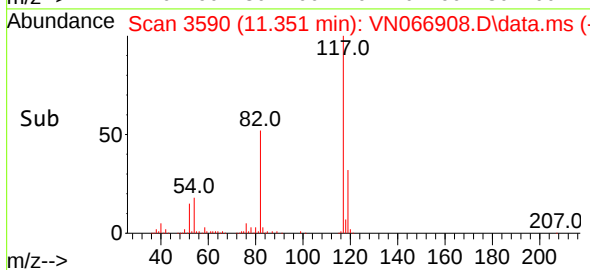
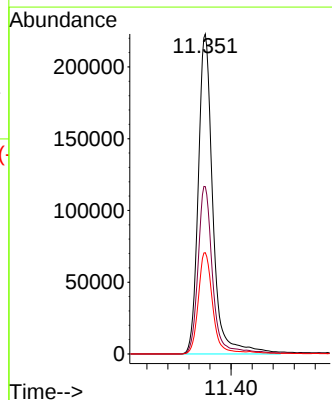
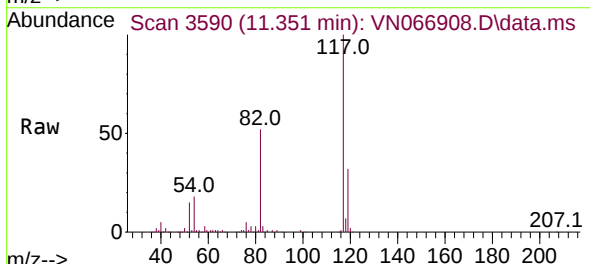
Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

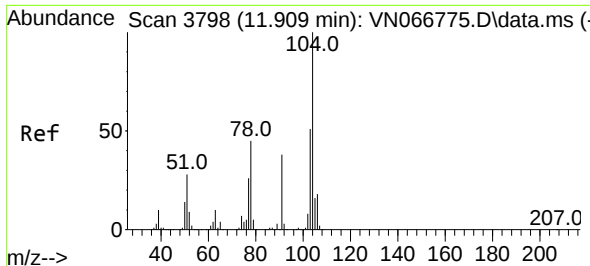
Tgt Ion: 95 Resp: 187724
Ion Ratio Lower Upper
95 100
174 87.7 0.0 169.0
176 84.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 117 Resp: 430261
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 31.7 26.1 39.1

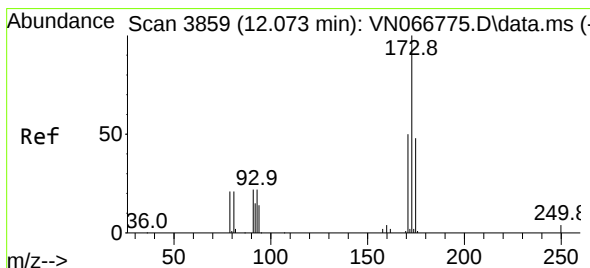
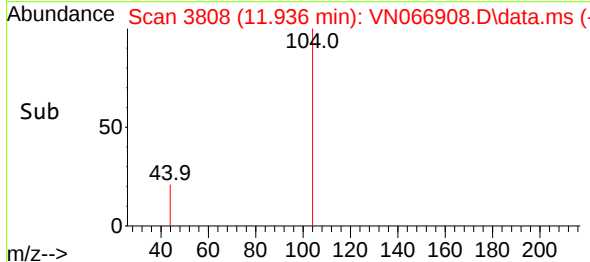
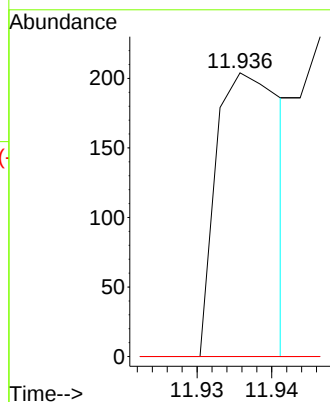
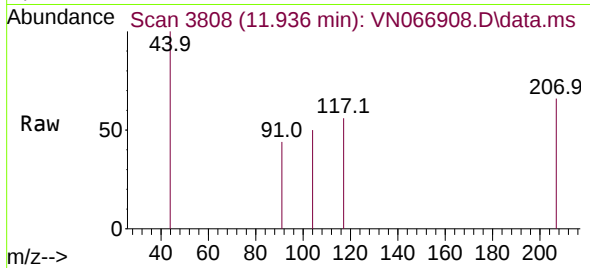




#70
Styrene
Concen: 3.06 ug/l
RT: 11.936 min Scan# 3808
Delta R.T. 0.027 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

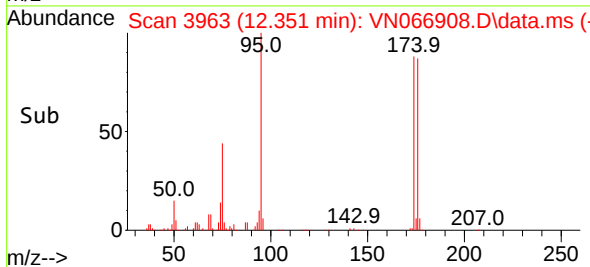
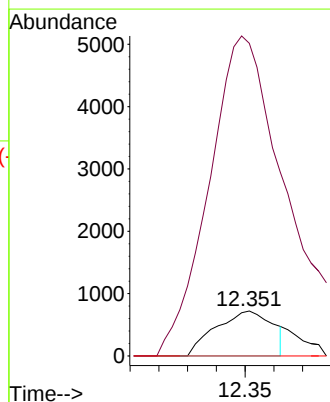
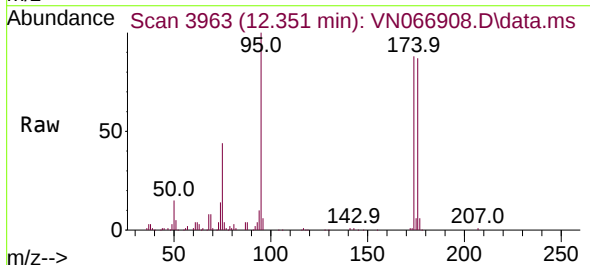
Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

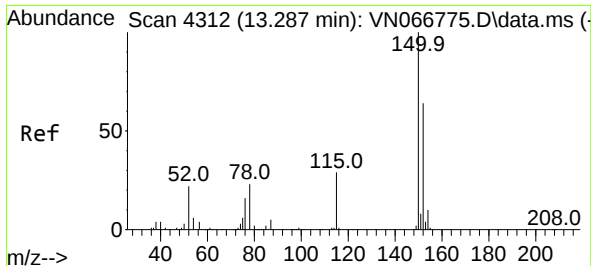
Tgt Ion:104 Resp: 123
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 0.43 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion:173 Resp: 996
Ion Ratio Lower Upper
173 100
175 767.4 23.8 71.2#
254 0.0 0.0 0.0

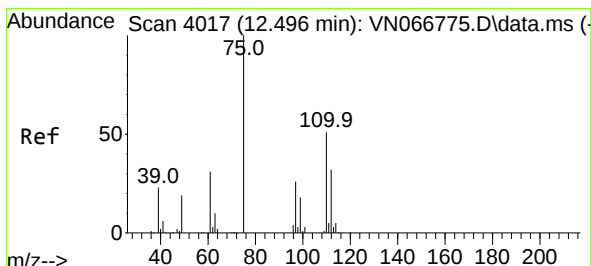
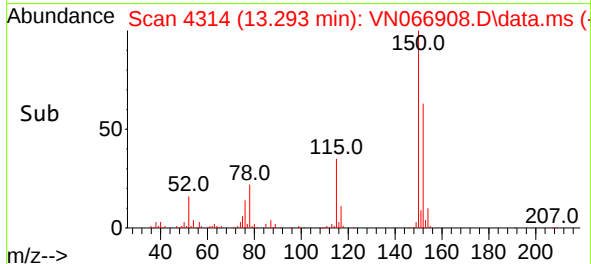
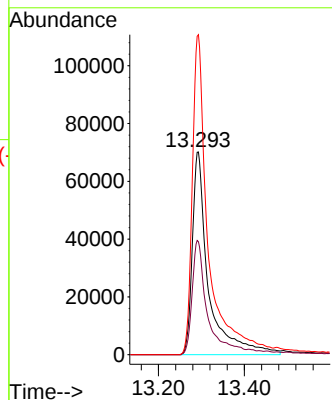
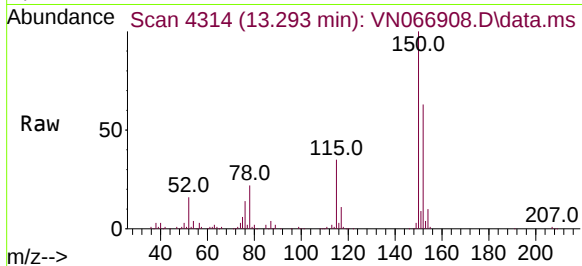




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.293 min Scan# 4314
 Delta R.T. 0.005 min
 Lab File: VN066908.D
 Acq: 30 Apr 2021 14:30

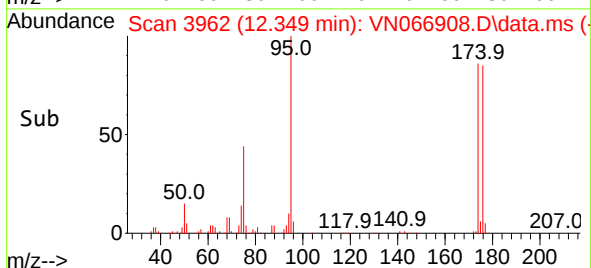
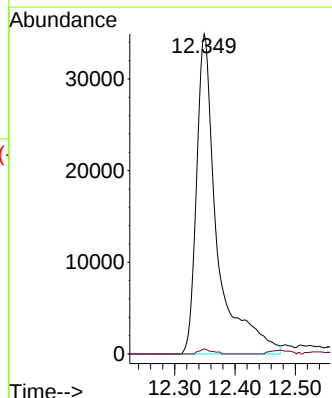
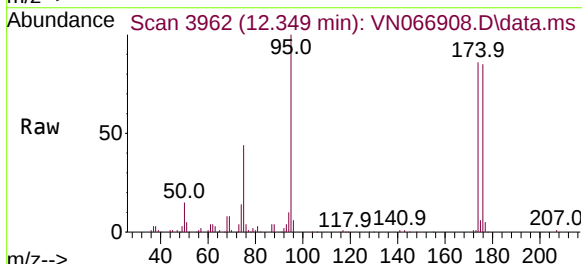
Instrument :
 MSVOA_N
 ClientSampleId :
 ANTIFREEZE-1906

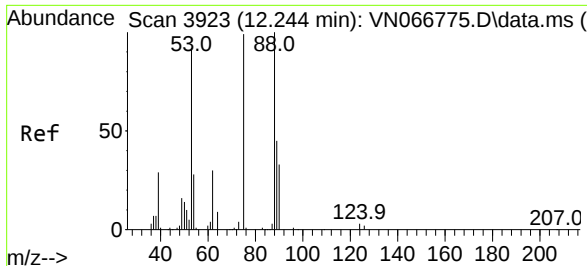
Tgt Ion:152 Resp: 183695
 Ion Ratio Lower Upper
 152 100
 115 52.7 28.5 85.6
 150 155.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 21.41 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. -0.147 min
 Lab File: VN066908.D
 Acq: 30 Apr 2021 14:30

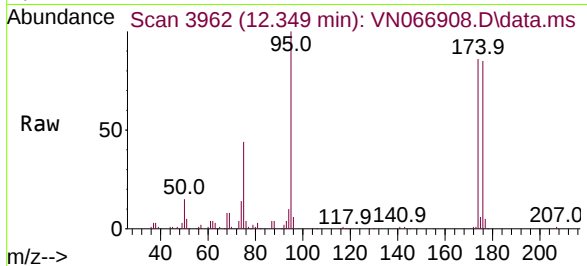
Tgt Ion: 75 Resp: 82911
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



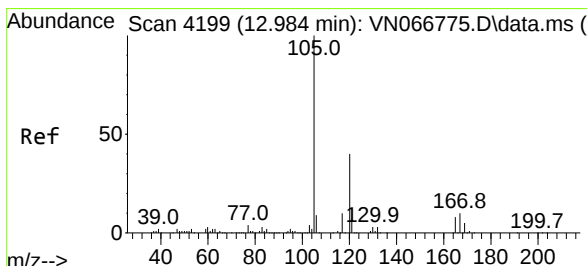
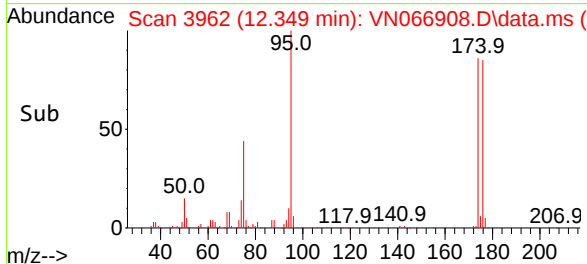
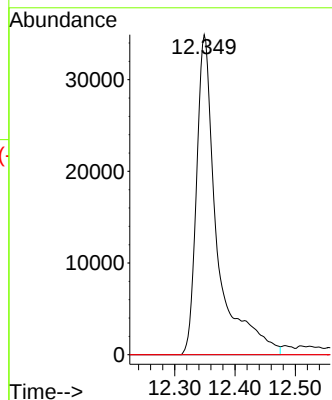


#81
trans-1,4-Dichloro-2-butene
Concen: 58.44 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

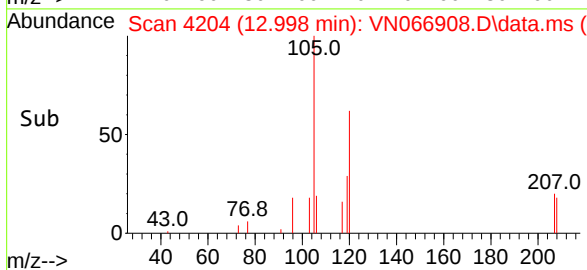
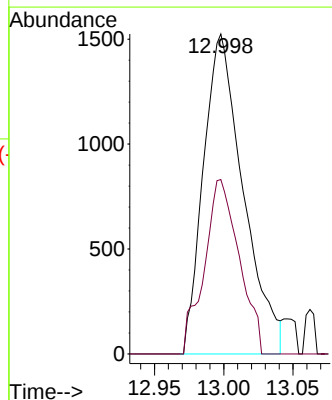
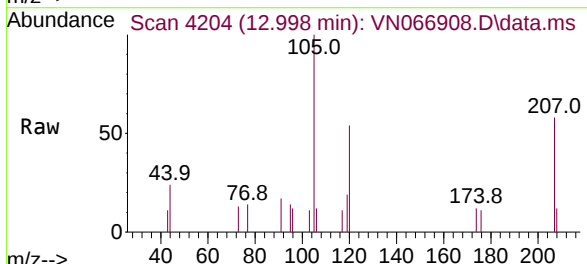


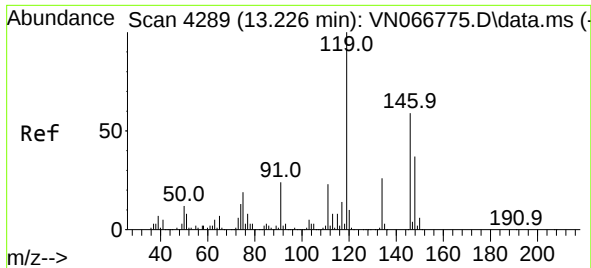
Tgt Ion: 75 Resp: 82911
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.28 ug/l
RT: 12.998 min Scan# 4204
Delta R.T. 0.014 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion: 105 Resp: 3048
Ion Ratio Lower Upper
105 100
120 47.7 22.4 67.0

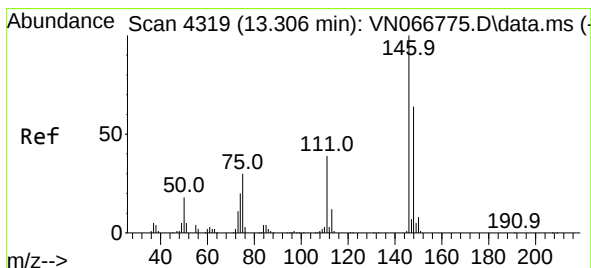
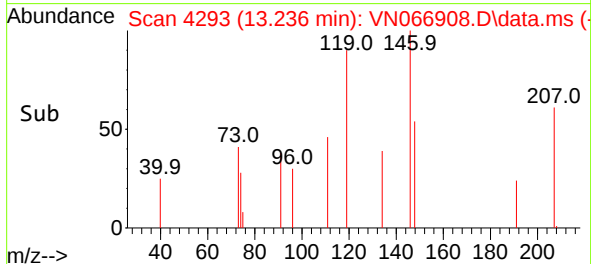
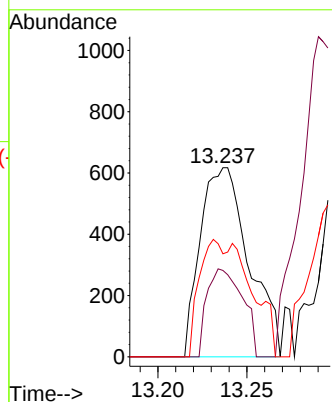
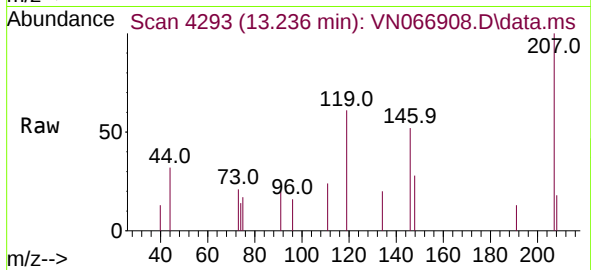




#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.236 min Scan# 4293
Delta R.T. 0.010 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

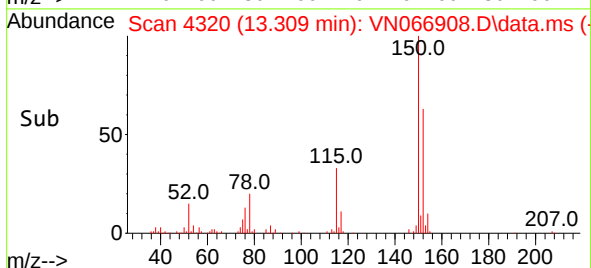
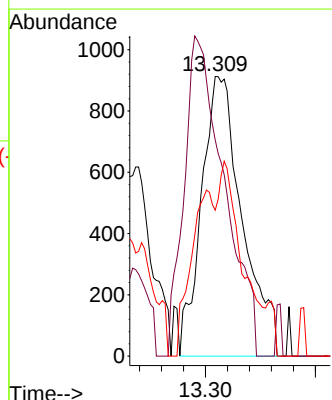
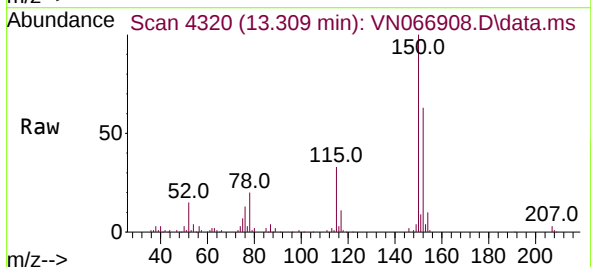
Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

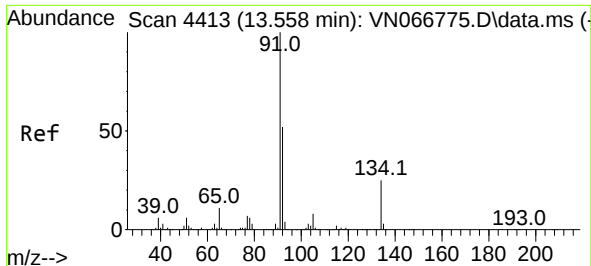
Tgt Ion:146 Resp: 1176
Ion Ratio Lower Upper
146 100
111 33.8 19.5 58.5
148 30.3 32.3 96.9#



#88
1,4-Dichlorobenzene
Concen: 0.39 ug/l
RT: 13.309 min Scan# 4320
Delta R.T. 0.003 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion:146 Resp: 2354
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 25.1 31.8 95.3#





#89

n-Butylbenzene

Concen: 0.23 ug/l

RT: 13.604 min Scan# 4430

Delta R.T. 0.046 min

Lab File: VN066908.D

Acq: 30 Apr 2021 14:30

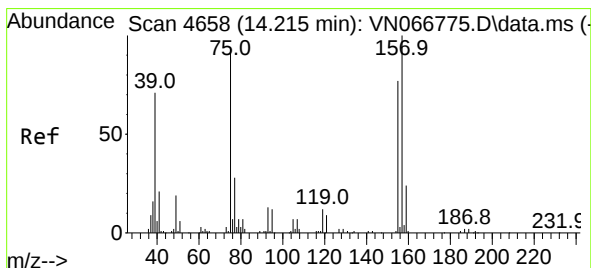
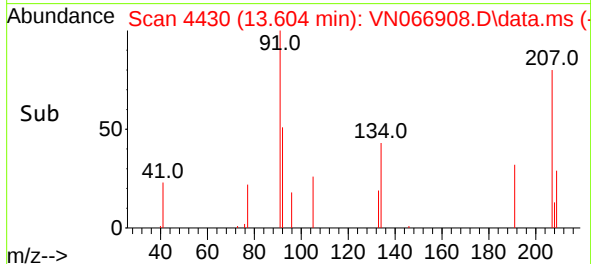
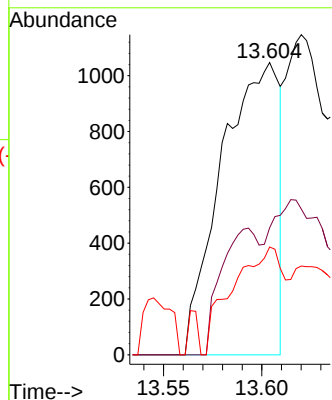
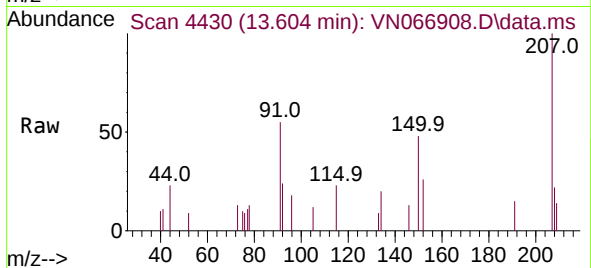
Tgt Ion: 91 Resp: 2129

Ion Ratio Lower Upper

91 100

92 27.9 26.1 78.3

134 32.0 13.0 38.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.32 ug/l

RT: 14.229 min Scan# 4663

Delta R.T. 0.014 min

Lab File: VN066908.D

Acq: 30 Apr 2021 14:30

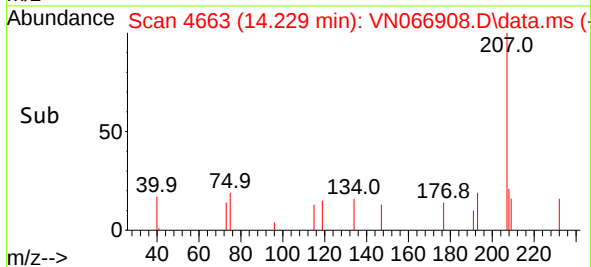
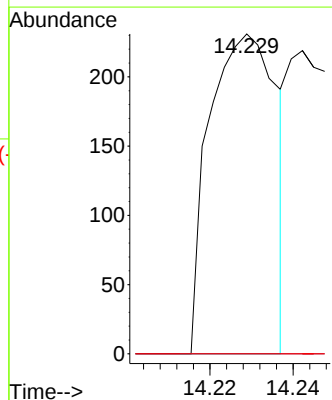
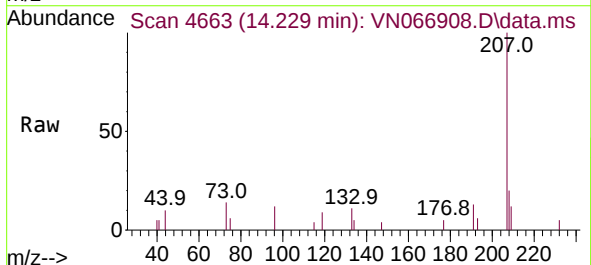
Tgt Ion: 75 Resp: 258

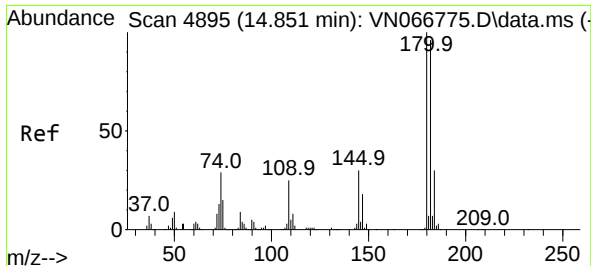
Ion Ratio Lower Upper

75 100

155 0.0 44.1 132.4#

157 0.0 56.0 168.2#

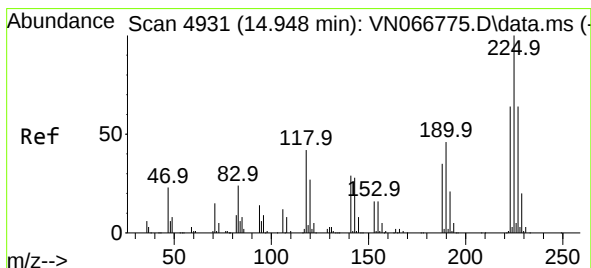
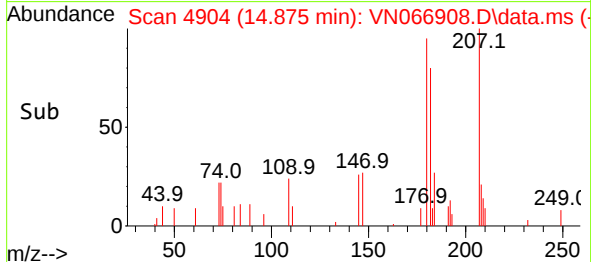
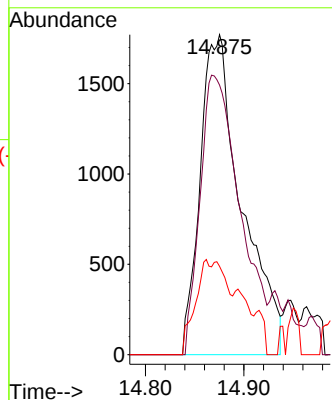
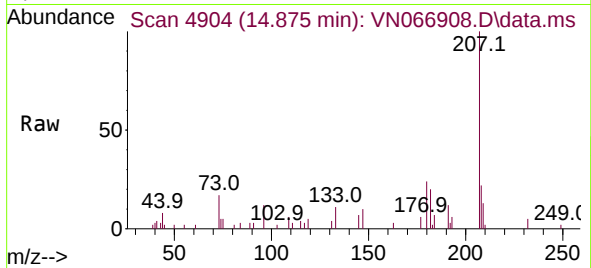




#93
1,2,4-Trichlorobenzene
Concen: 1.63 ug/l
RT: 14.875 min Scan# 4904
Delta R.T. 0.024 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

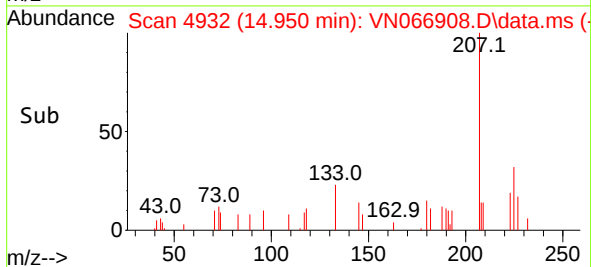
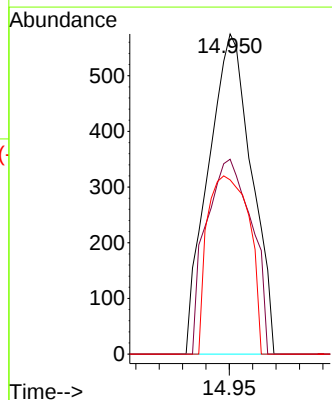
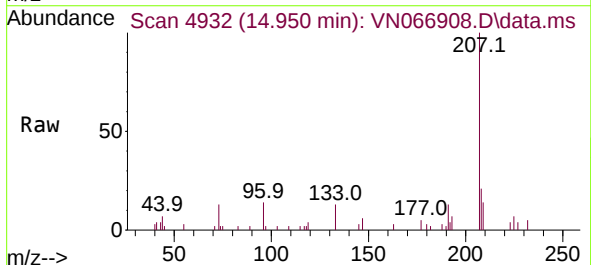
Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

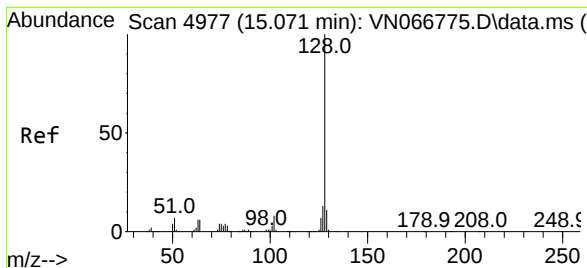
Tgt Ion:180 Resp: 5173
Ion Ratio Lower Upper
180 100
182 84.3 47.3 142.0
145 11.9 15.6 46.8#



#94
Hexachlorobutadiene
Concen: 0.42 ug/l
RT: 14.950 min Scan# 4932
Delta R.T. 0.002 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion:225 Resp: 742
Ion Ratio Lower Upper
225 100
223 63.9 31.9 95.9
227 53.5 31.6 95.0

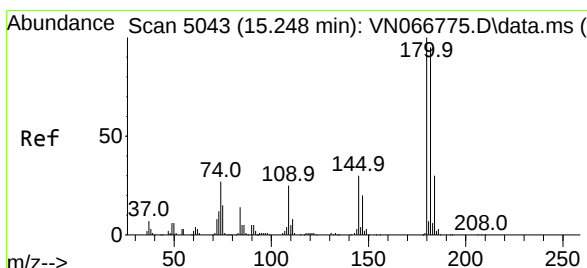
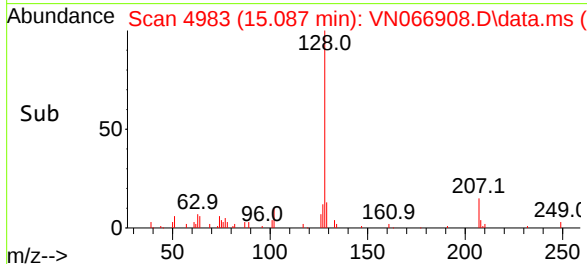
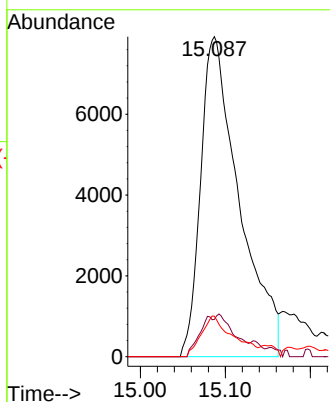
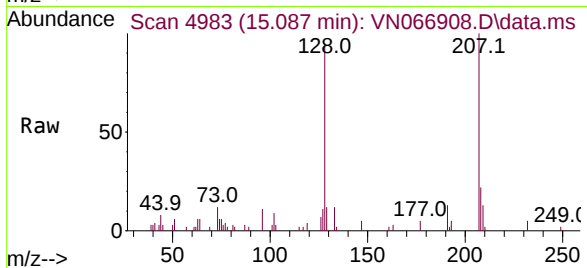




#95
Naphthalene
Concen: 3.06 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :
ANTIFREEZE-1906

Tgt Ion:128 Resp: 24989
Ion Ratio Lower Upper
128 100
127 4.4 10.2 15.2#
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.17 ug/l
RT: 15.259 min Scan# 5047
Delta R.T. 0.011 min
Lab File: VN066908.D
Acq: 30 Apr 2021 14:30

Tgt Ion:180 Resp: 6642
Ion Ratio Lower Upper
180 100
182 94.3 47.4 142.3
145 41.6 16.5 49.5

