

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031221\
 Data File : VN066191.D
 Acq On : 12 Mar 2021 18:58
 Operator : JC/MD
 Sample : M1647-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 13 02:43:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 13:00:23 2021
 Response via : Initial Calibration

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

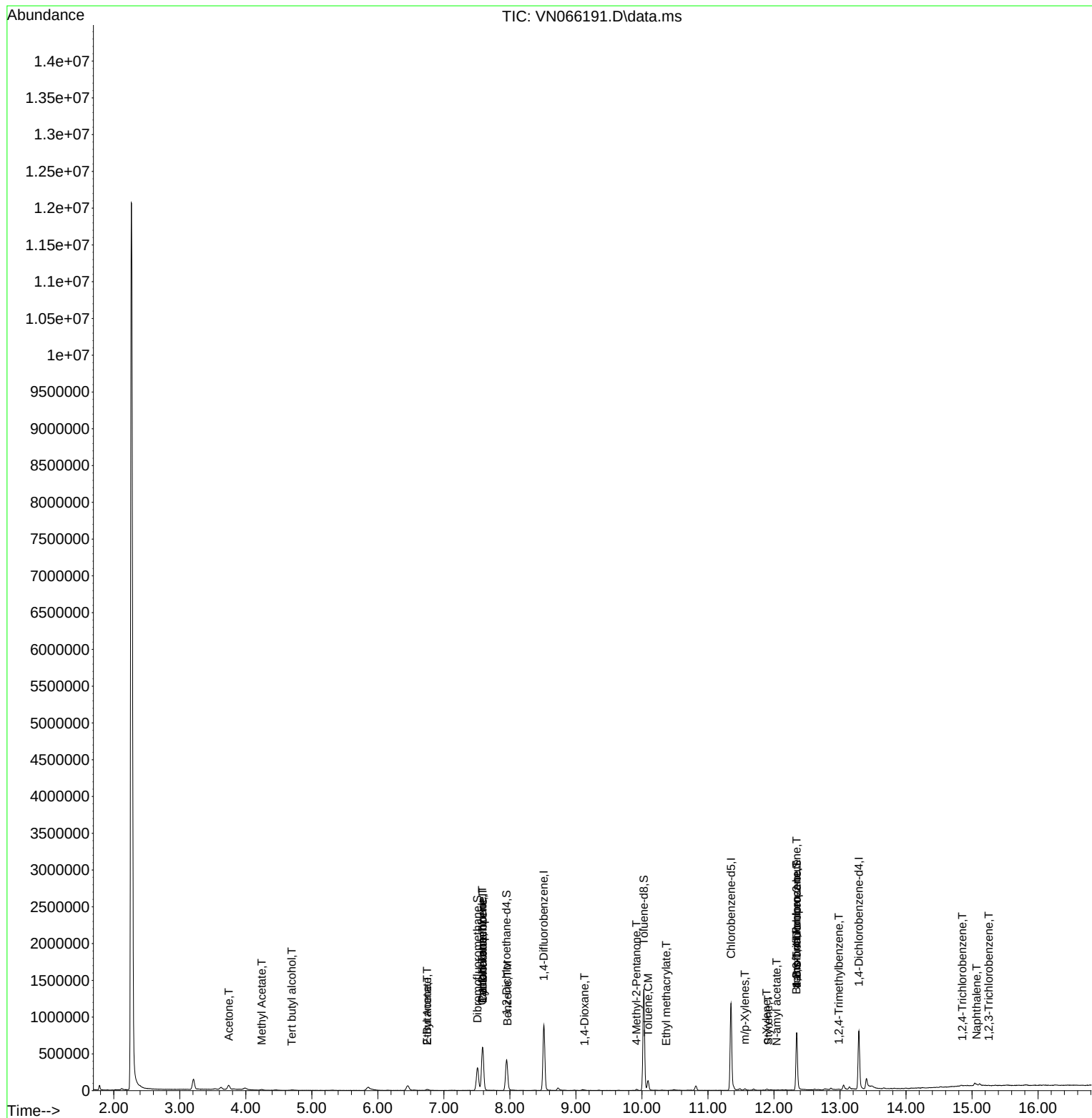
Internal Standards						
1) Pentafluorobenzene	7.587	168	476555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	732823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	629418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	222051	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	340393	44.27	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.54%		
35) Dibromofluoromethane	7.509	113	231111	46.74	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.48%		
50) Toluene-d8	10.028	98	903478	45.12	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.24%		
62) 4-Bromofluorobenzene	12.345	95	268221	36.41	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	72.82%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.696	59	4829	4.09	ug/l	95
13) Acrolein	3.535	56	7791	Below	Cal	96
16) Acetone	3.741	43	91340	20.41	ug/l	95
18) Methyl Acetate	4.243	43	16774	1.77	ug/l #	64
25) 2-Butanone	6.748	43	21943	3.78	ug/l #	91
31) Cyclohexane	7.590	56	10177	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	37923	4.90	ug/l #	51
37) Ethyl Acetate	6.748	43	21943	2.03	ug/l #	74
38) Carbon Tetrachloride	7.582	117	46246	6.40	ug/l #	17
40) Benzene	7.965	78	20603	0.88	ug/l	97
49) 1,4-Dioxane	9.132	88	1838	19.98	ug/l #	16
51) 4-Methyl-2-Pentanone	9.918	43	11494	1.04	ug/l	96
52) Toluene	10.095	92	52091	3.69	ug/l	99
56) Ethyl methacrylate	10.368	69	170	2.07	ug/l #	1
59) 2-Hexanone	10.578	43	288	Below	Cal	99
68) m/p-Xylenes	11.562	106	5841	0.67	ug/l	96
69) o-Xylene	11.889	106	3430	0.41	ug/l	96
70) Styrene	11.913	104	2804	2.93	ug/l #	51
71) Bromoform	12.340	173	1151	3.13	ug/l #	1
74) N-amyl acetate	12.042	43	312	4.82	ug/l #	1
76) 1,2,3-Trichloropropane	12.345	75	142290	27.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	142290	71.61	ug/l #	11
84) 1,2,4-Trimethylbenzene	12.983	105	2982	0.22	ug/l	98
93) 1,2,4-Trichlorobenzene	14.855	180	593	2.89	ug/l #	16
95) Naphthalene	15.070	128	13017	2.95	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.252	180	284	1.95	ug/l #	30

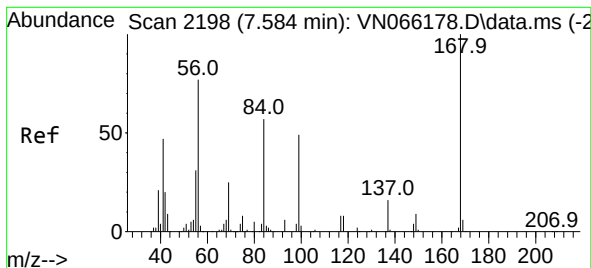
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031221\
Data File : VN066191.D
Acq On : 12 Mar 2021 18:58
Operator : JC/MD
Sample : M1647-19
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 13 02:43:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031221W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 12 13:00:23 2021
Response via : Initial Calibration

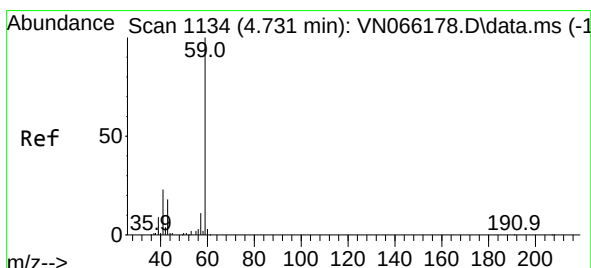
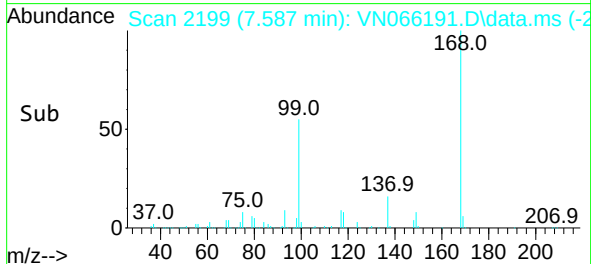
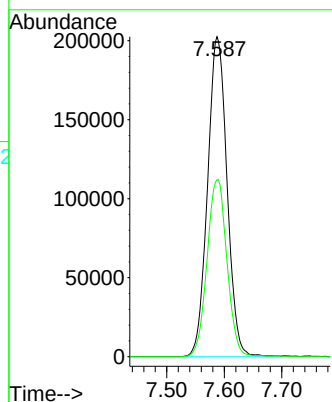
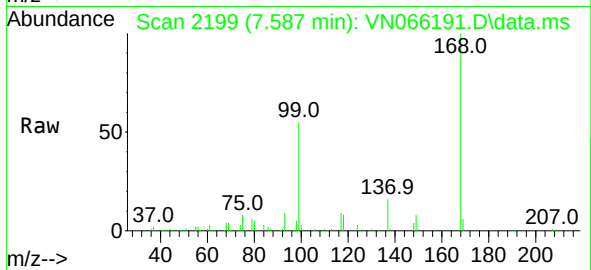




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

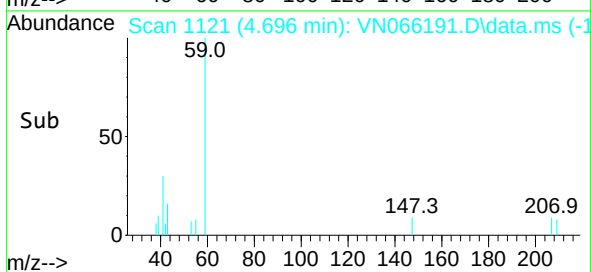
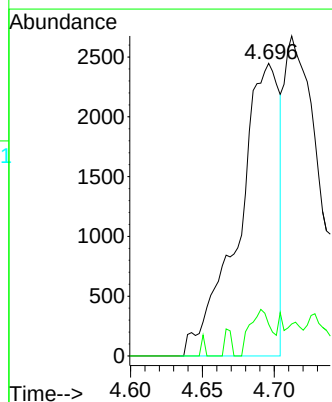
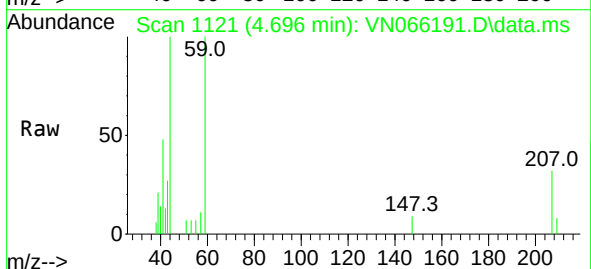
Instrument :
MSVOA_N
ClientSampled :

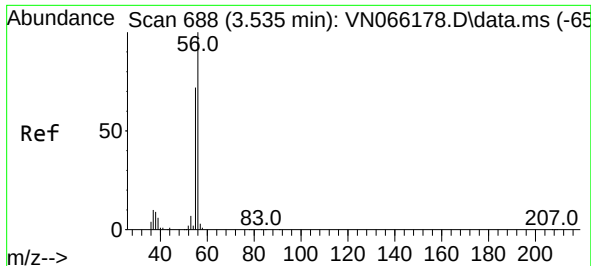
Tgt Ion:168 Resp: 476555
Ion Ratio Lower Upper
168 100
99 55.3 45.4 68.0



#11
Tert butyl alcohol
Concen: 4.09 ug/l
RT: 4.696 min Scan# 1121
Delta R.T. -0.027 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 59 Resp: 4829
Ion Ratio Lower Upper
59 100
57 8.2 8.0 12.0

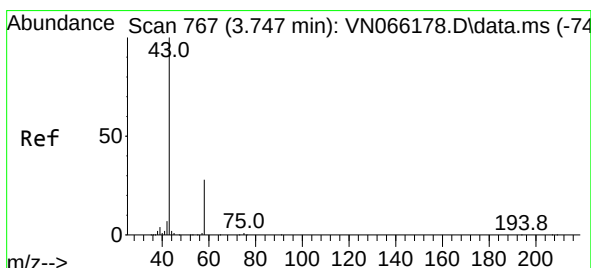
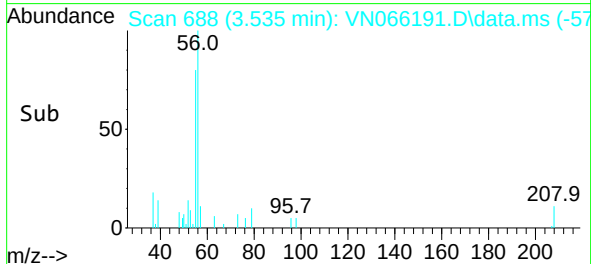
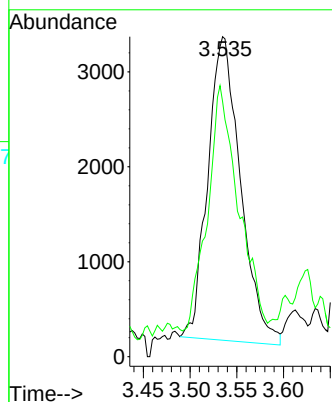
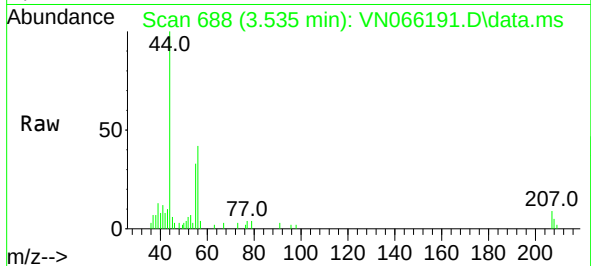




#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. -0.002 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

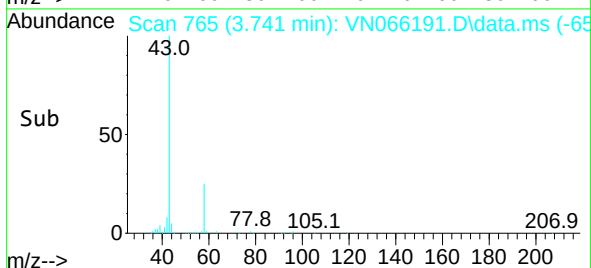
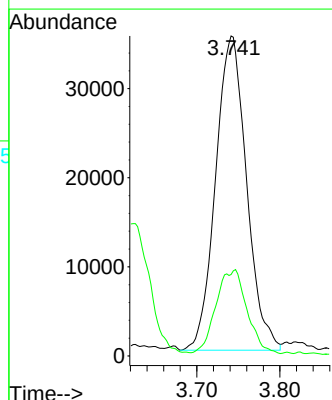
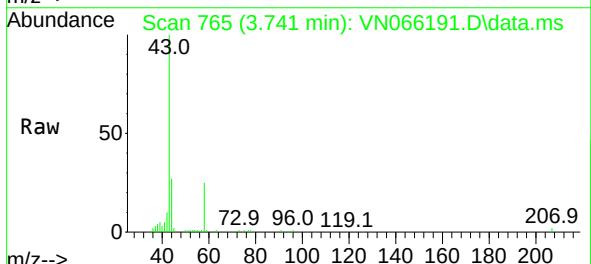
Instrument :
MSVOA_N
ClientSampled :

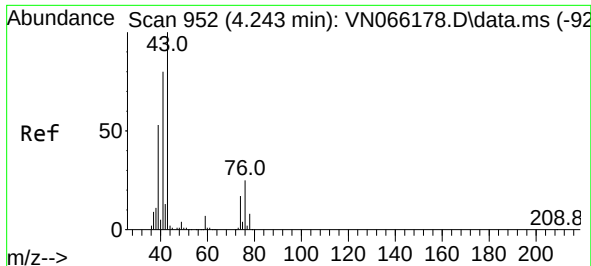
Tgt Ion: 56 Resp: 7791
Ion Ratio Lower Upper
56 100
55 76.1 58.0 87.0



#16
Acetone
Concen: 20.41 ug/l
RT: 3.741 min Scan# 765
Delta R.T. -0.008 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 43 Resp: 91340
Ion Ratio Lower Upper
43 100
58 25.1 22.3 33.5

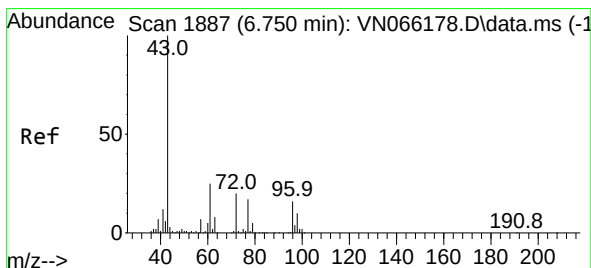
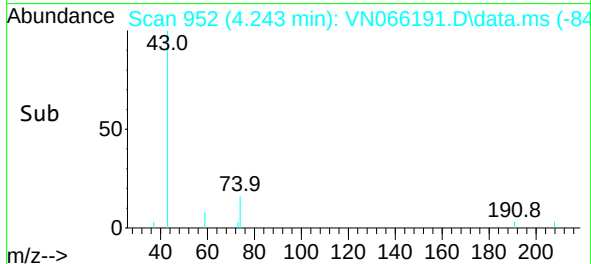
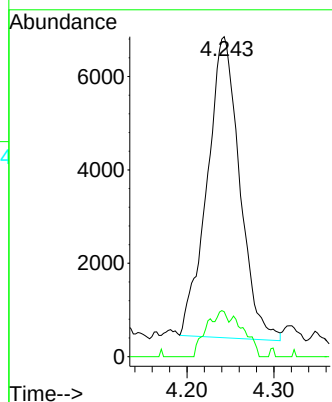
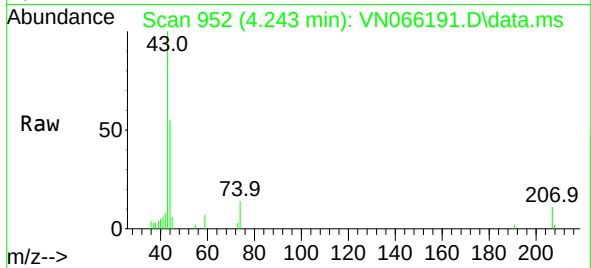




#18
Methyl Acetate
Concen: 1.77 ug/l
RT: 4.243 min Scan# 952
Delta R.T. -0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

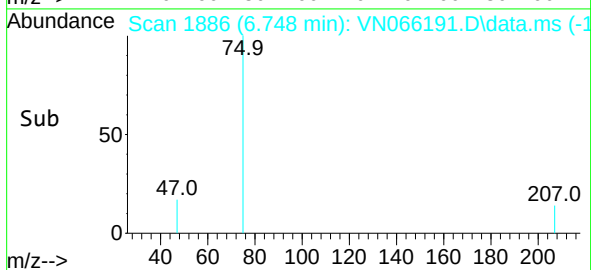
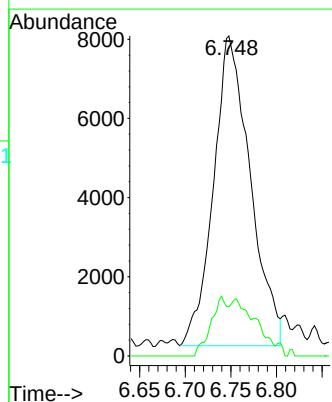
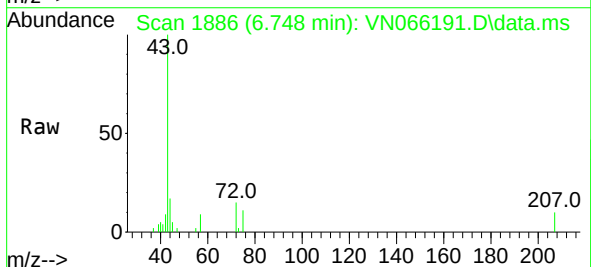
Instrument :
MSVOA_N
ClientSampled :

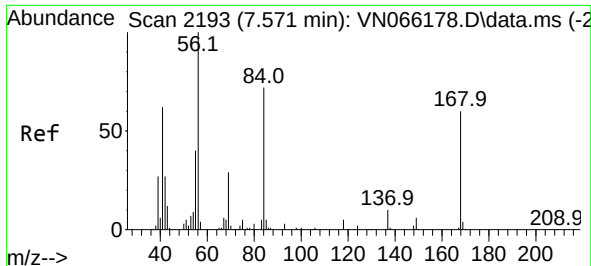
Tgt Ion: 43 Resp: 16774
Ion Ratio Lower Upper
43 100
74 1.7 14.2 21.2#



#25
2-Butanone
Concen: 3.78 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 43 Resp: 21943
Ion Ratio Lower Upper
43 100
72 15.9 16.2 24.2#

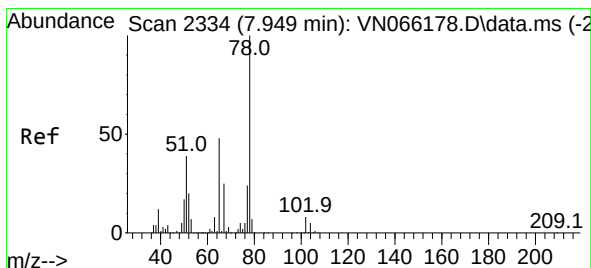
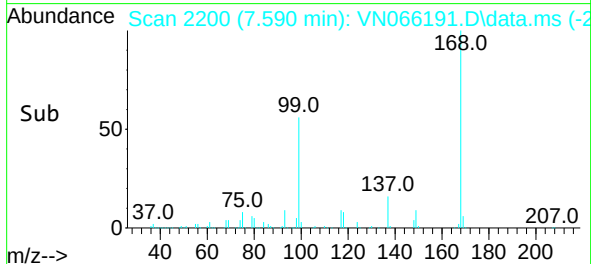
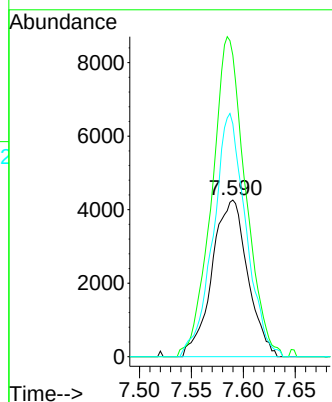
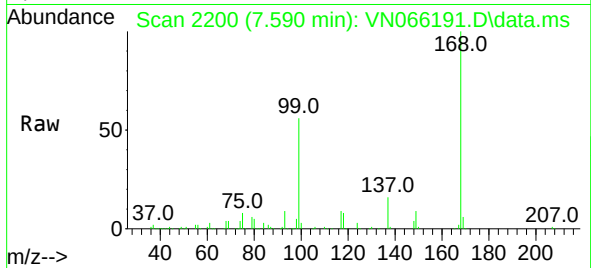




#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.014 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

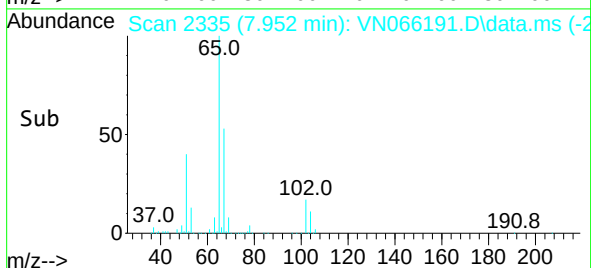
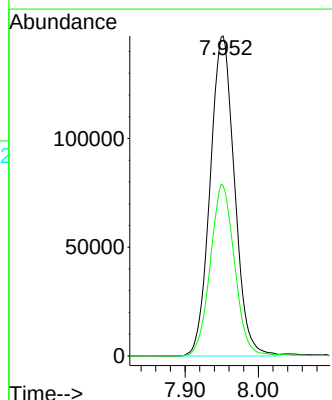
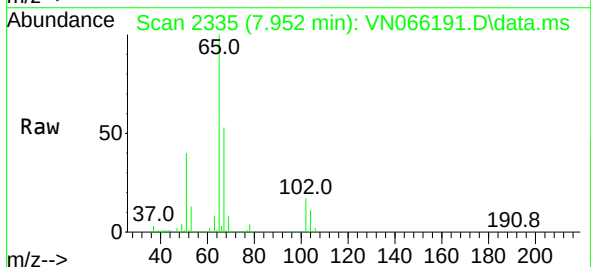
Instrument :
MSVOA_N
ClientSampled :

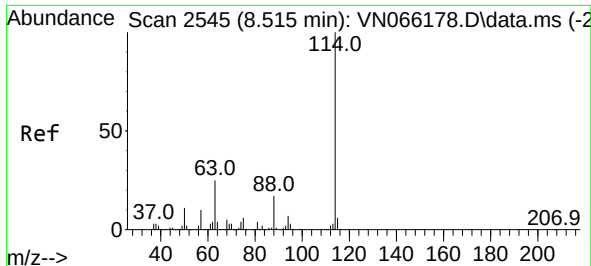
Tgt Ion: 56 Resp: 10177
Ion Ratio Lower Upper
56 100
69 188.1 23.4 35.0#
84 148.5 57.8 86.6#



#33
1,2-Dichloroethane-d4
Concen: 44.27 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 65 Resp: 340393
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2

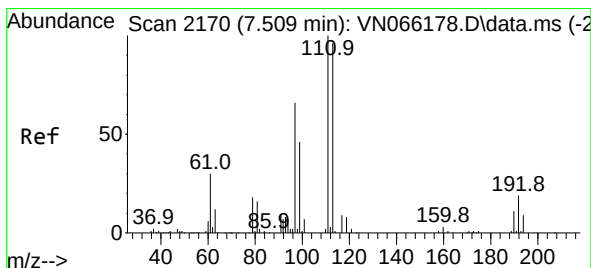
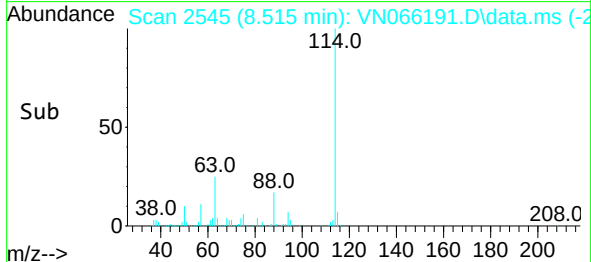
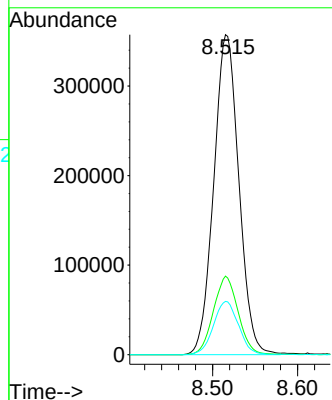
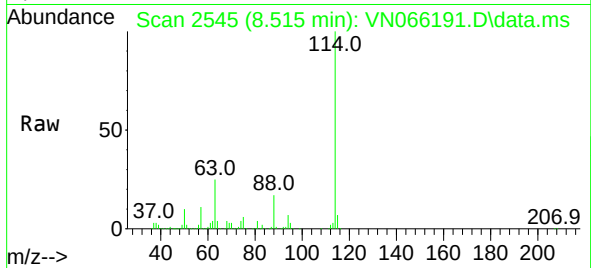




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

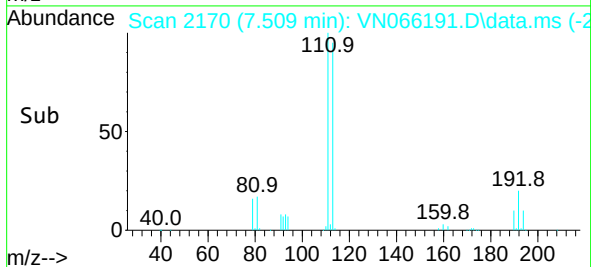
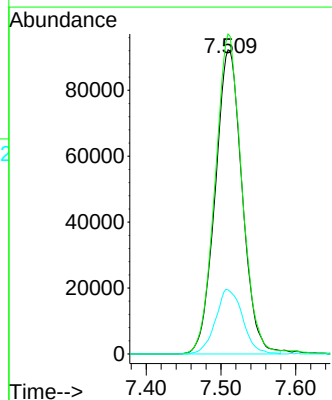
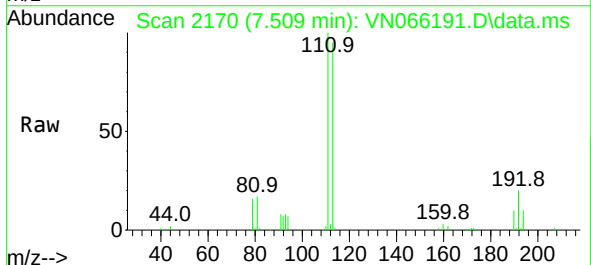
Instrument :
MSVOA_N
ClientSampleId :

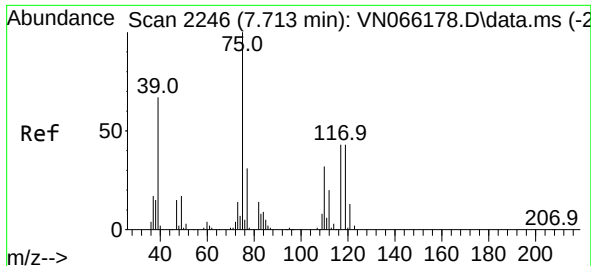
Tgt Ion:114 Resp: 732823
Ion Ratio Lower Upper
114 100
63 24.5 0.0 49.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 46.74 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

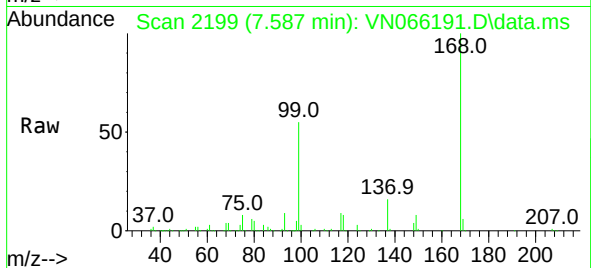
Tgt Ion:113 Resp: 231111
Ion Ratio Lower Upper
113 100
111 104.2 84.0 126.0
192 21.3 16.7 25.1



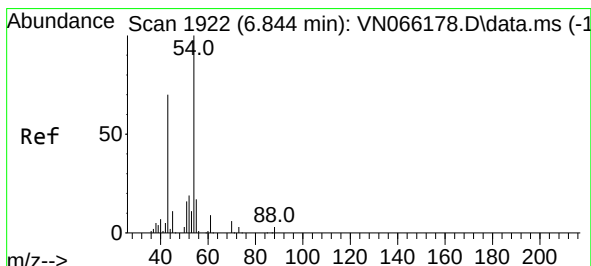
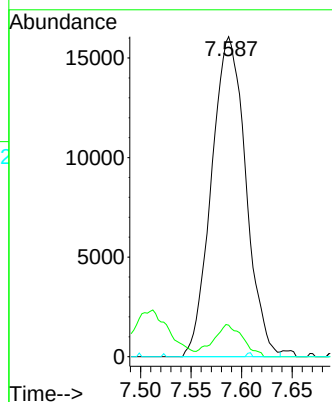
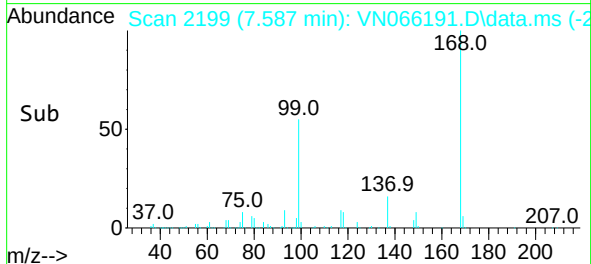


#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.129 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

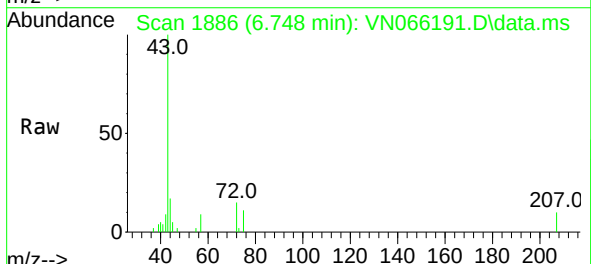
Instrument :
MSVOA_N
ClientSampled :



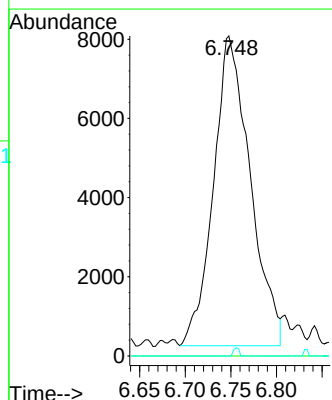
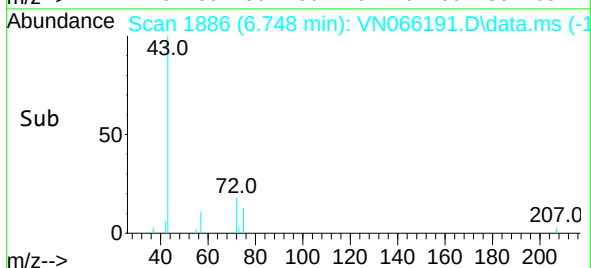
Tgt Ion: 75 Resp: 37923
Ion Ratio Lower Upper
75 100
110 8.6 16.0 48.0#
77 0.0 24.9 37.3#

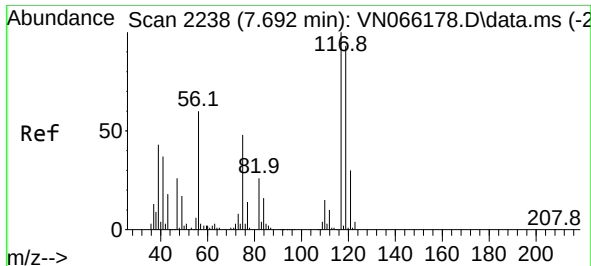


#37
Ethyl Acetate
Concen: 2.03 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. -0.096 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58



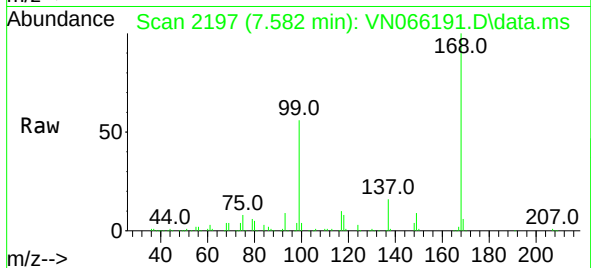
Tgt Ion: 43 Resp: 21943
Ion Ratio Lower Upper
43 100
61 0.0 9.2 13.8#
70 0.4 6.1 9.1#



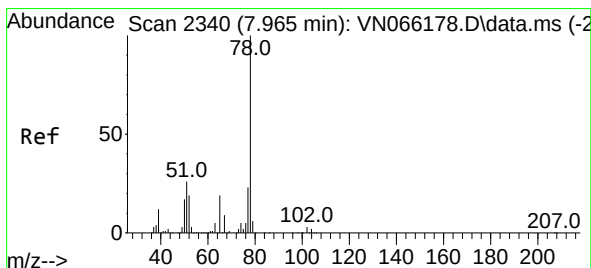
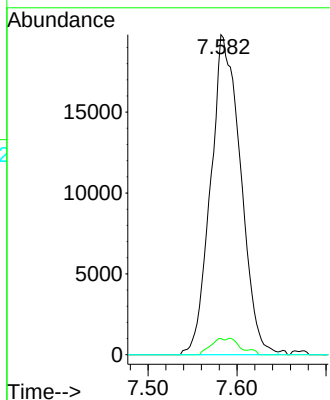
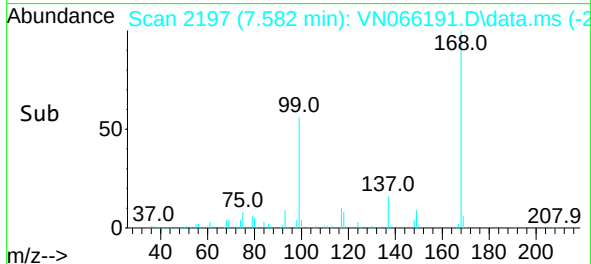


#38
Carbon Tetrachloride
Concen: 6.40 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.115 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

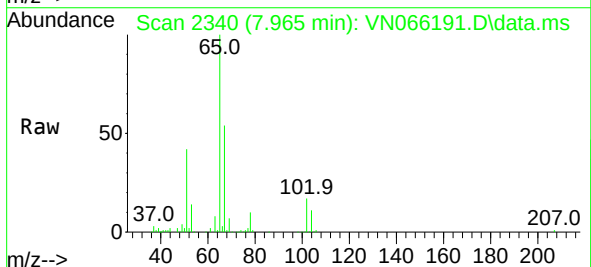
Instrument :
MSVOA_N
ClientSampled :



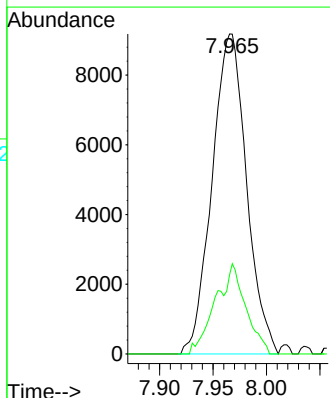
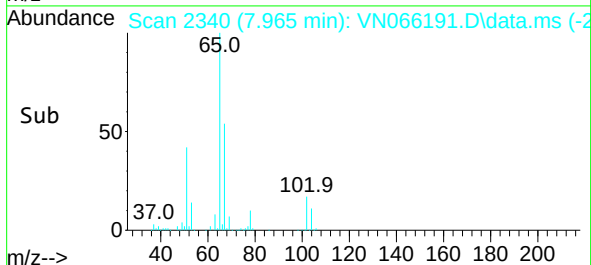
Tgt Ion:117 Resp: 46246
Ion Ratio Lower Upper
117 100
119 5.0 74.6 111.8#
121 0.0 23.9 35.9#

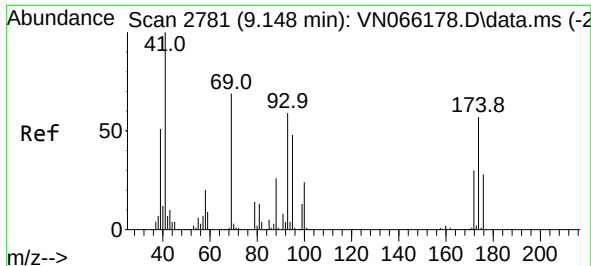


#40
Benzene
Concen: 0.88 ug/l
RT: 7.965 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58



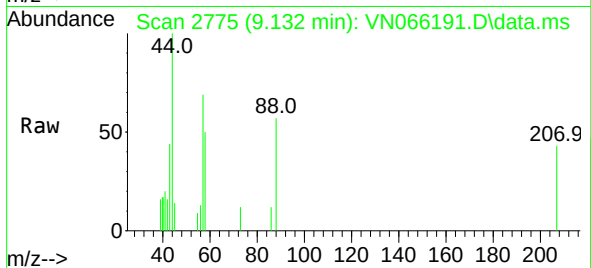
Tgt Ion: 78 Resp: 20603
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7



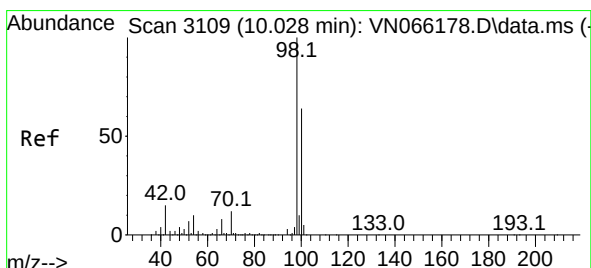
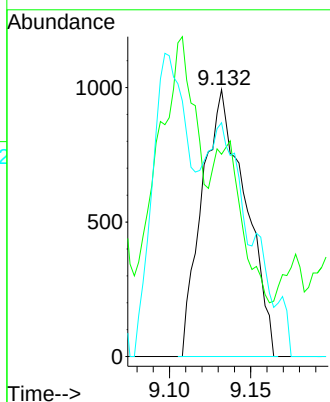
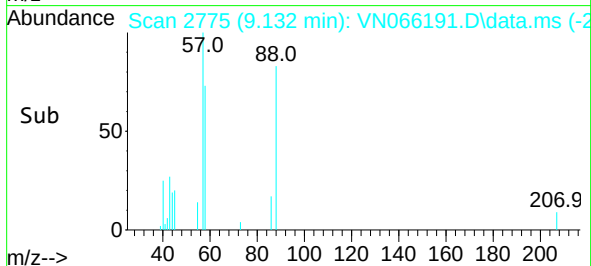


#49
1,4-Dioxane
Concen: 19.98 ug/l
RT: 9.132 min Scan# 2775
Delta R.T. -0.011 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Instrument :
MSVOA_N
ClientSampleId :

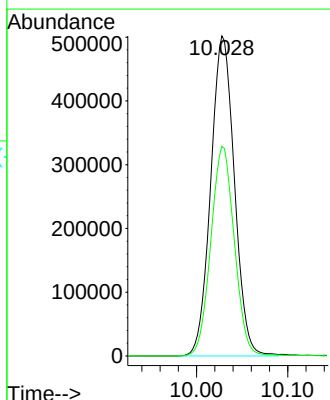
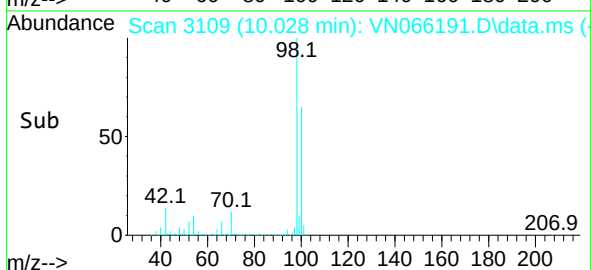
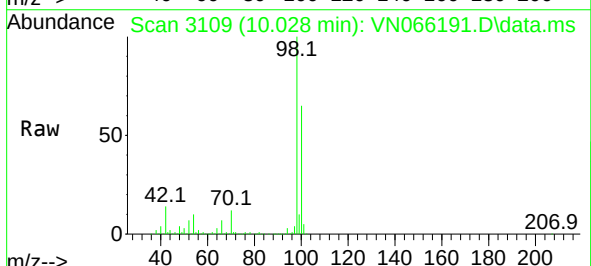


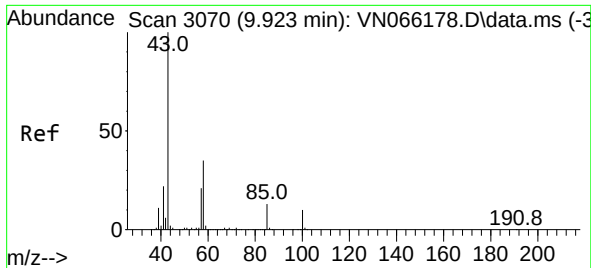
Tgt Ion: 88 Resp: 1838
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 0.0 67.3 100.9#



#50
Toluene-d8
Concen: 45.12 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 98 Resp: 903478
Ion Ratio Lower Upper
98 100
100 65.0 51.0 76.6

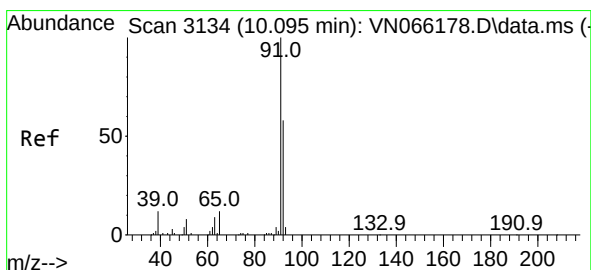
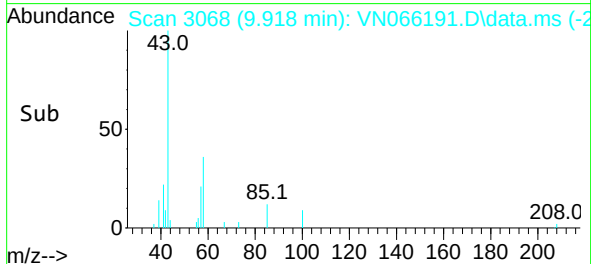
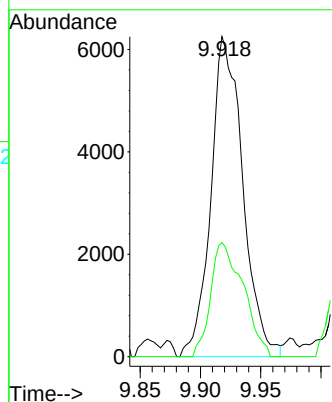
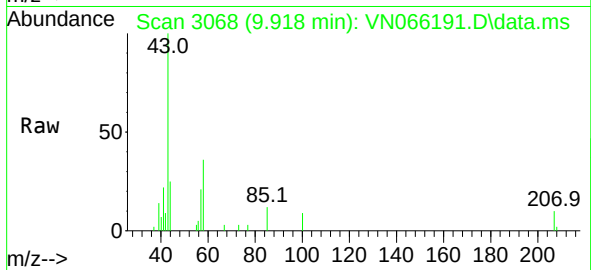




#51
4-Methyl-2-Pentanone
Concen: 1.04 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.005 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

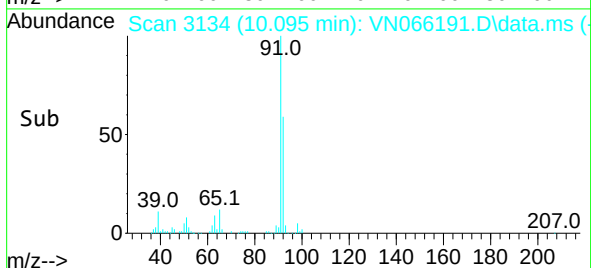
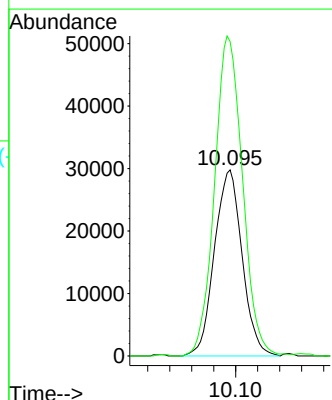
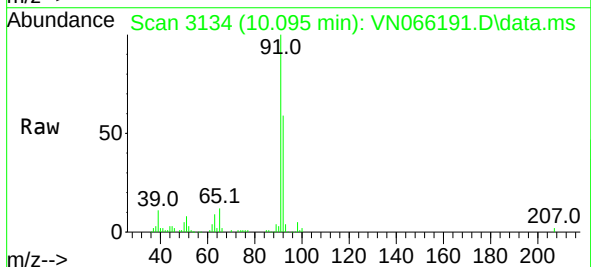
Instrument :
MSVOA_N
ClientSampled :

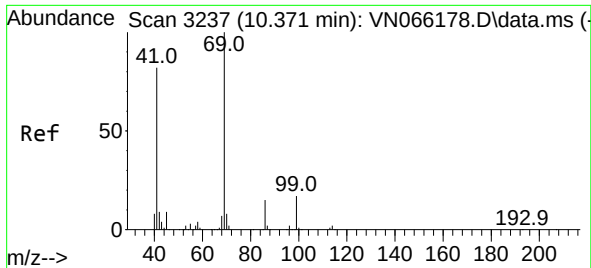
Tgt Ion: 43 Resp: 11494
Ion Ratio Lower Upper
43 100
58 36.4 27.5 41.3



#52
Toluene
Concen: 3.69 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 92 Resp: 52091
Ion Ratio Lower Upper
92 100
91 173.8 137.5 206.3

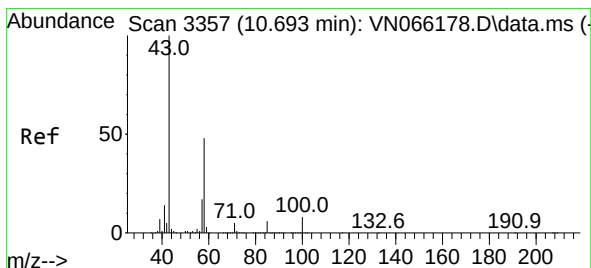
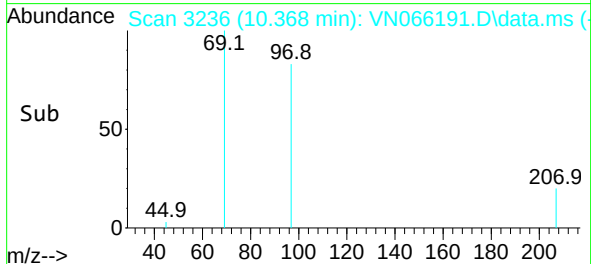
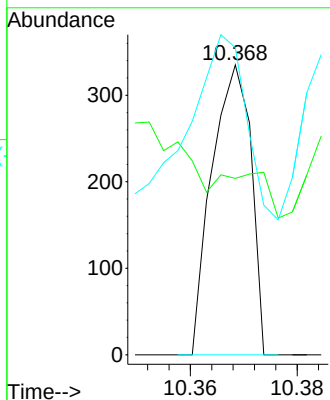
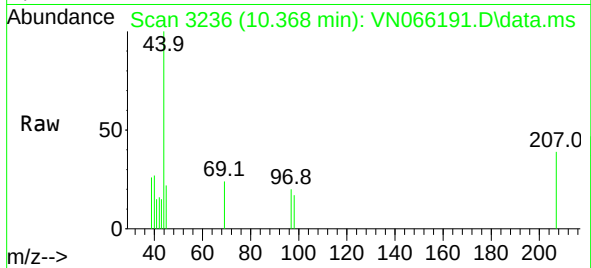




#56
Ethyl methacrylate
Concen: 2.07 ug/l
RT: 10.368 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

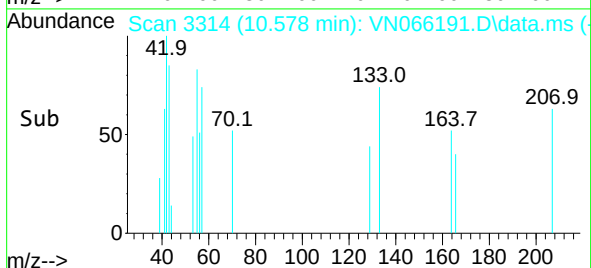
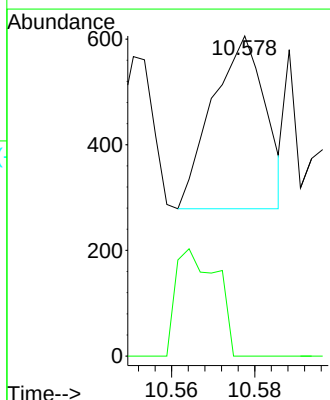
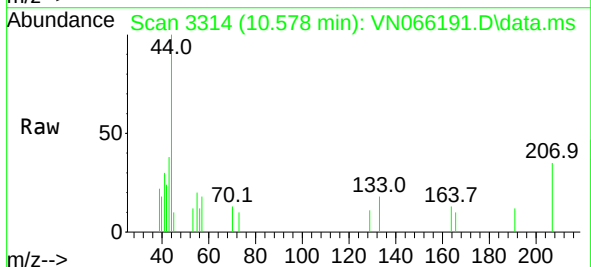
Instrument :
MSVOA_N
ClientSampled :

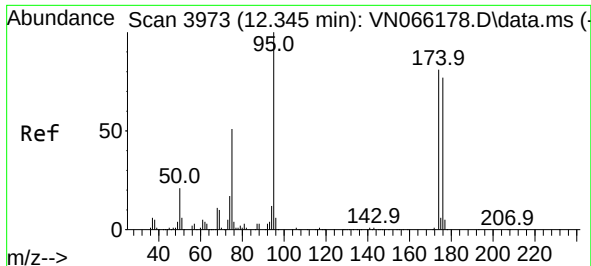
Tgt Ion: 69 Resp: 170
Ion Ratio Lower Upper
69 100
41 46.5 66.2 99.4#
39 191.8 31.5 47.3#



#59
2-Hexanone
Concen: Below Cal
RT: 10.578 min Scan# 3314
Delta R.T. -0.115 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
58 48.3 23.8 71.5

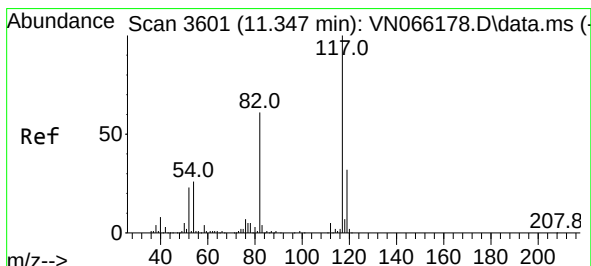
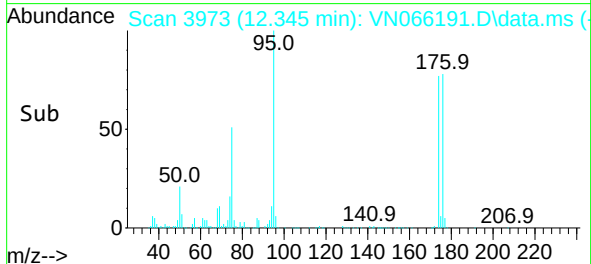
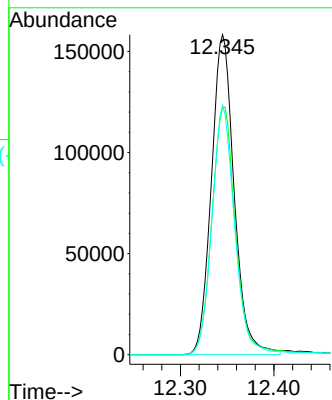
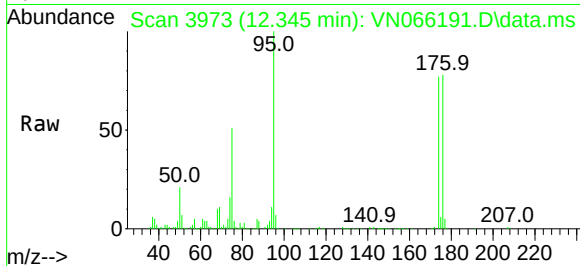




#62
4-Bromofluorobenzene
Concen: 36.41 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

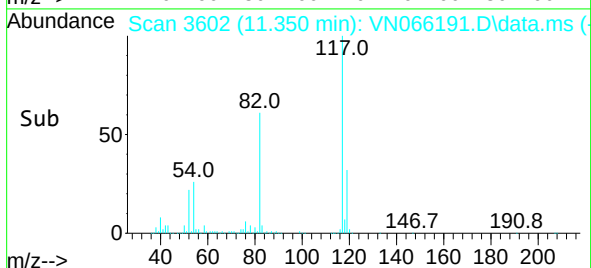
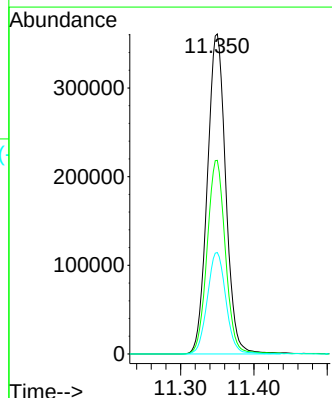
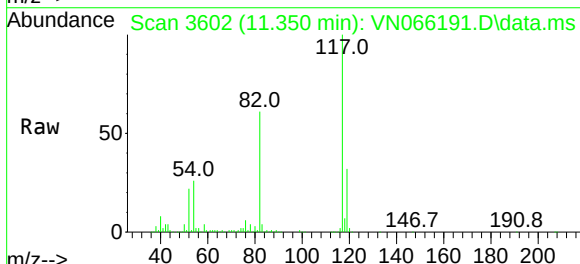
Instrument :
MSVOA_N
ClientSampleId :

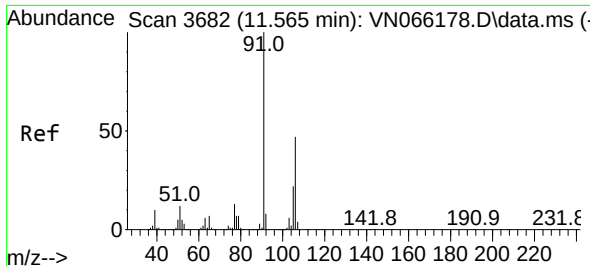
Tgt Ion: 95 Resp: 268221
Ion Ratio Lower Upper
95 100
174 80.5 0.0 162.4
176 77.9 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 117 Resp: 629418
Ion Ratio Lower Upper
117 100
82 60.5 49.0 73.6
119 31.7 25.7 38.5

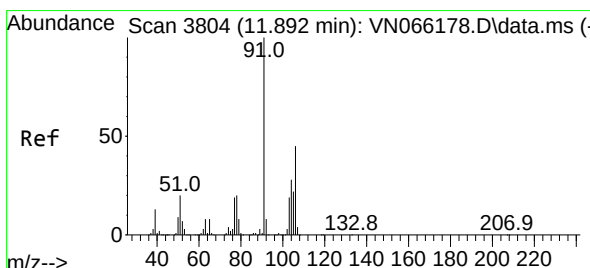
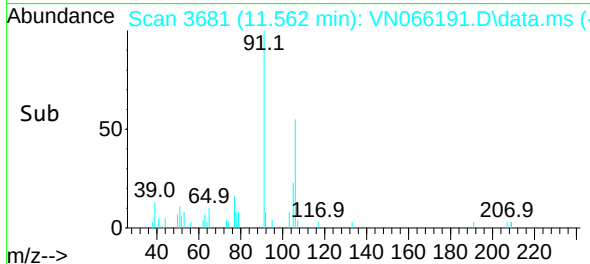
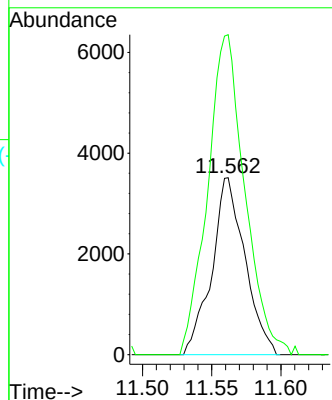
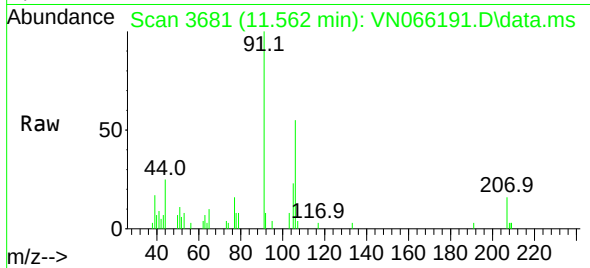




#68
m/p-Xylenes
Concen: 0.67 ug/l
RT: 11.562 min Scan# 3681
Delta R.T. -0.002 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

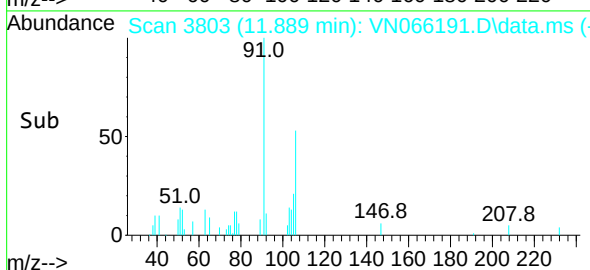
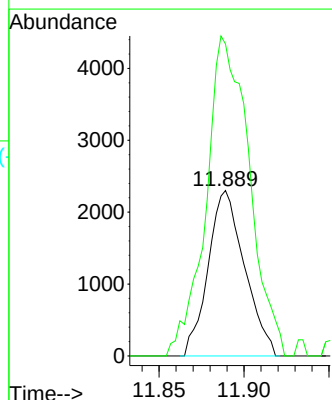
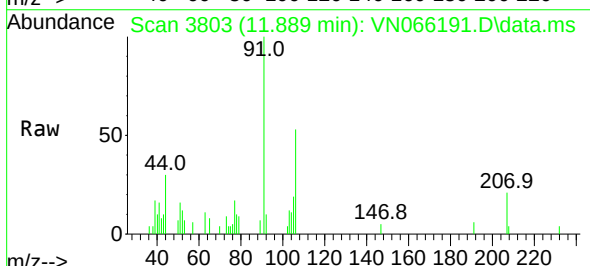
Instrument :
MSVOA_N
ClientSampled :

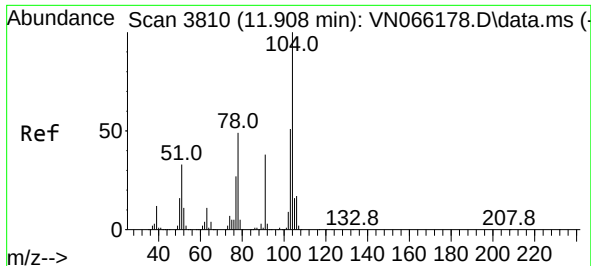
Tgt Ion:106 Resp: 5841
Ion Ratio Lower Upper
106 100
91 203.4 168.2 252.4



#69
o-Xylene
Concen: 0.41 ug/l
RT: 11.889 min Scan# 3803
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion:106 Resp: 3430
Ion Ratio Lower Upper
106 100
91 229.8 111.8 335.3

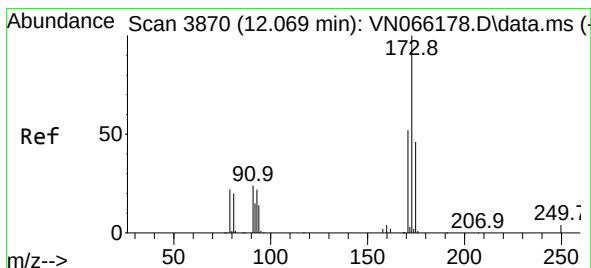
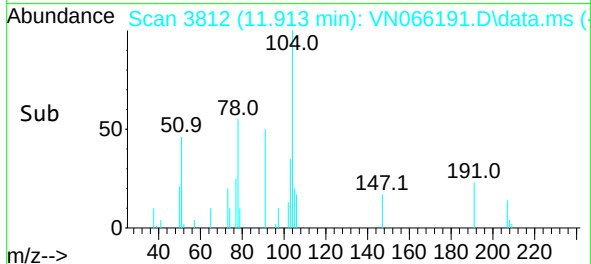
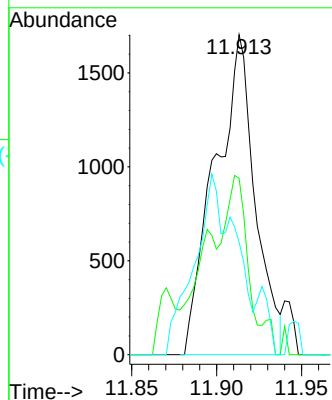
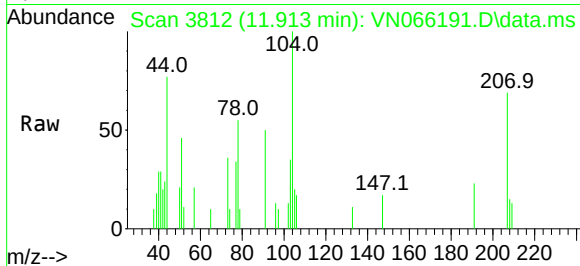




#70
Styrene
Concen: 2.93 ug/l
RT: 11.913 min Scan# 3812
Delta R.T. 0.005 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

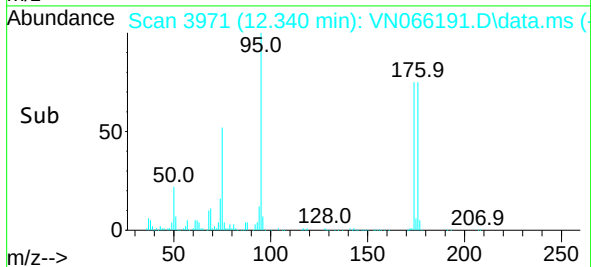
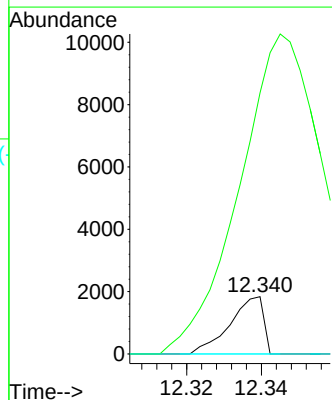
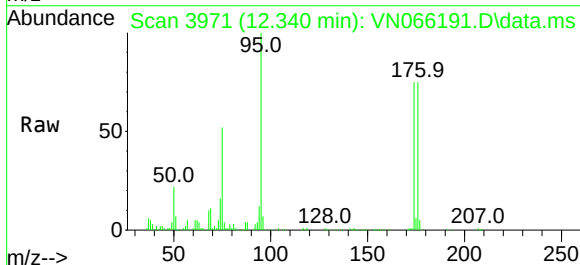
Instrument :
MSVOA_N
ClientSampled :

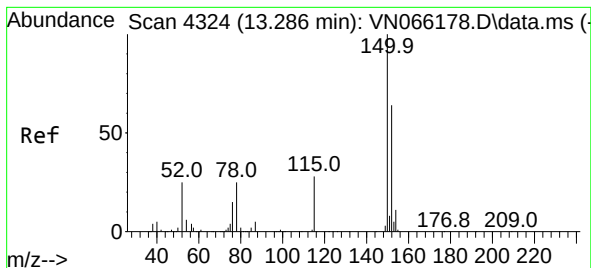
Tgt Ion:104 Resp: 2804
Ion Ratio Lower Upper
104 100
78 31.9 43.8 65.6#
103 6.4 43.7 65.5#



#71
Bromoform
Concen: 3.13 ug/l
RT: 12.340 min Scan# 3971
Delta R.T. 0.269 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion:173 Resp: 1151
Ion Ratio Lower Upper
173 100
175 1326.4 23.9 71.8#
254 0.0 0.0 0.0

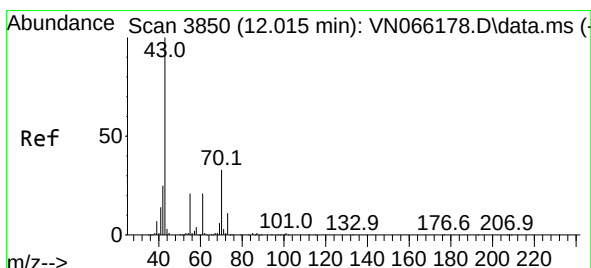
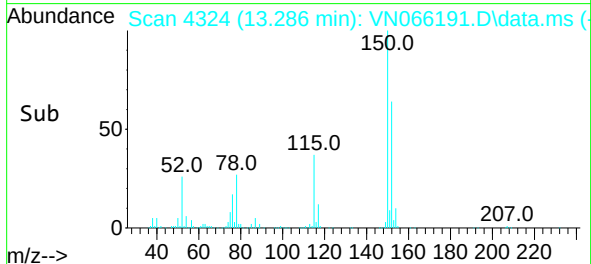
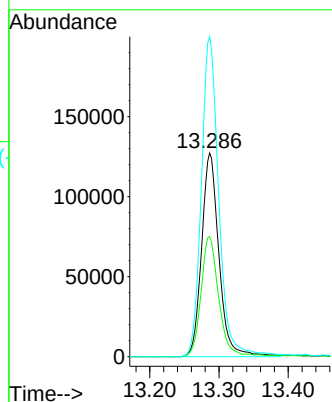
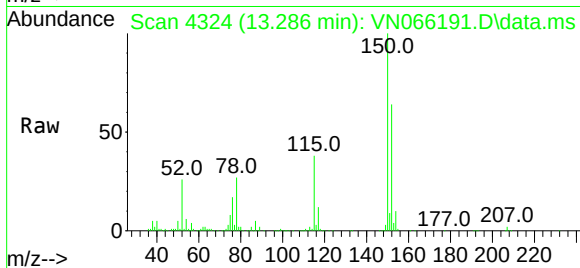




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. -0.003 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

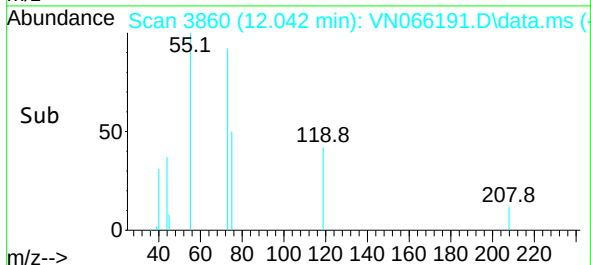
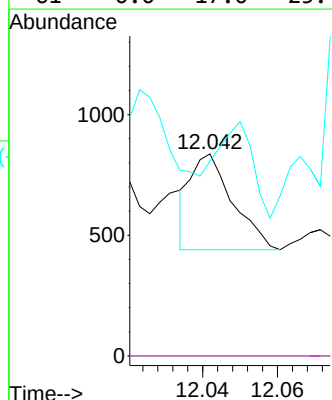
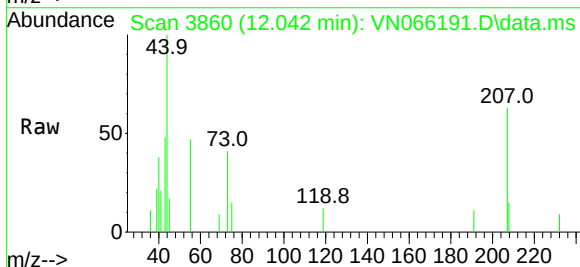
Instrument :
MSVOA_N
ClientSampleId :

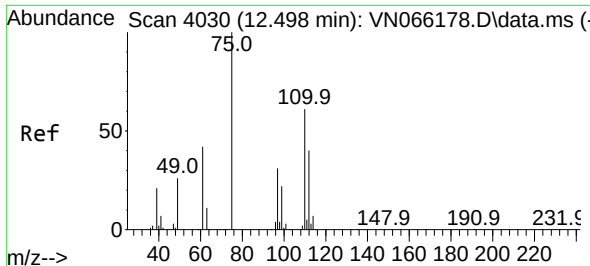
Tgt Ion:152 Resp: 222051
Ion Ratio Lower Upper
152 100
115 58.7 29.4 88.3
150 156.1 0.0 352.2



#74
N-ethyl acetate
Concen: 4.82 ug/l
RT: 12.042 min Scan# 3860
Delta R.T. 0.027 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 171.2 17.2 25.8#
61 0.0 17.0 25.4#

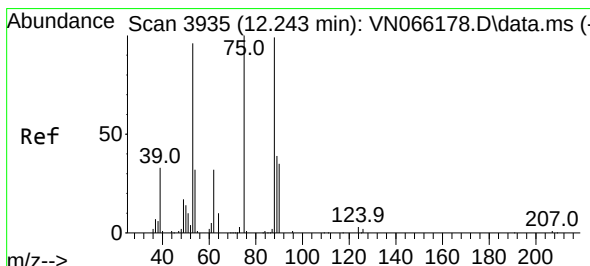
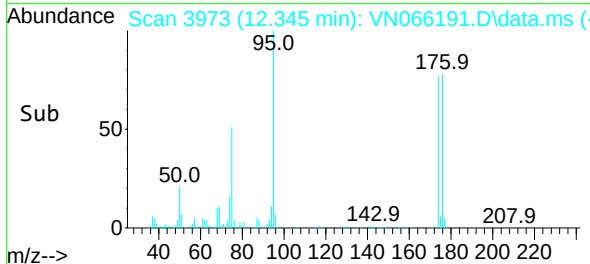
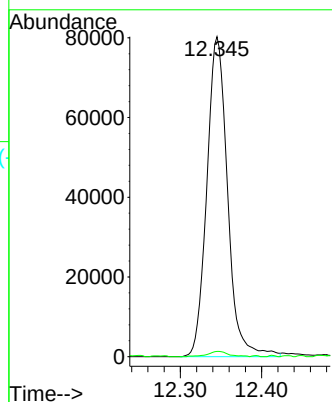
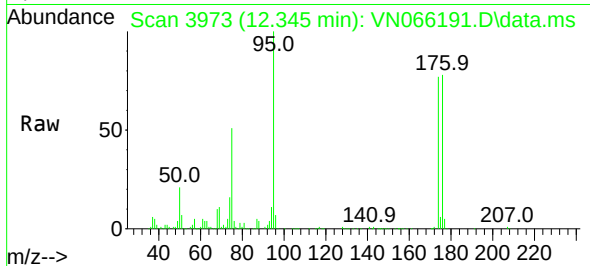




#76
1,2,3-Trichloropropane
Concen: 27.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

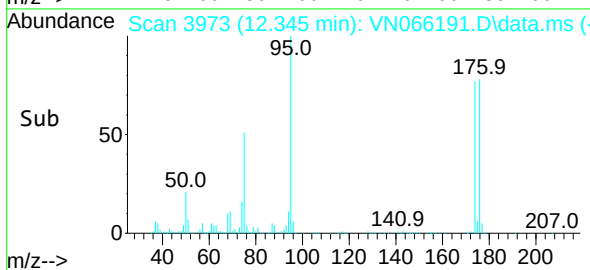
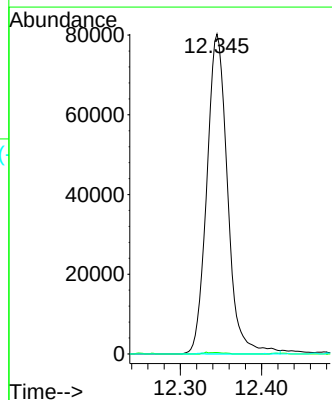
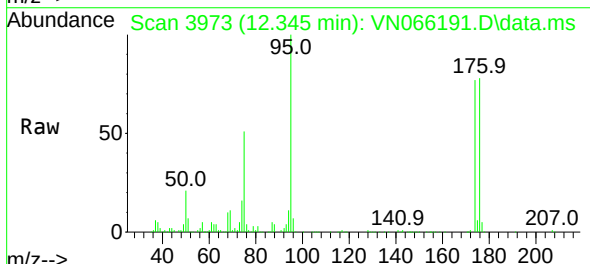
Instrument :
MSVOA_N
ClientSampled :

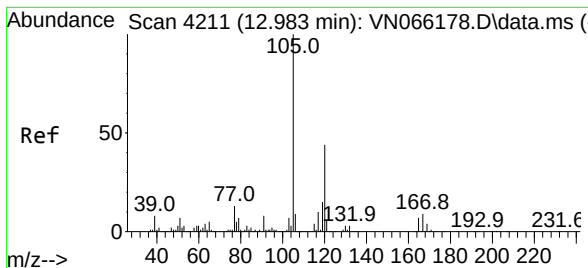
Tgt Ion: 75 Resp: 142290
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.61 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion: 75 Resp: 142290
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.1 33.7 50.5#

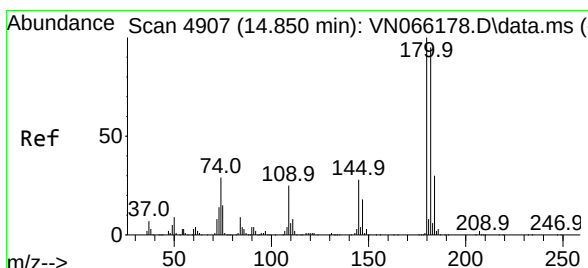
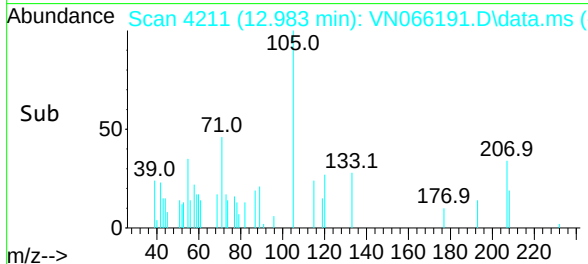
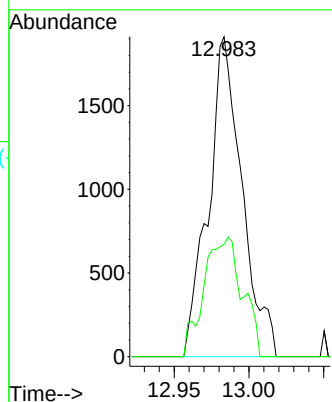
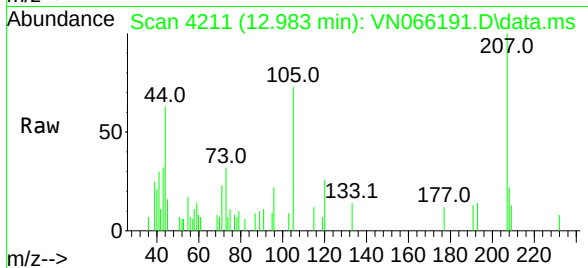




#84
1,2,4-Trimethylbenzene
Concen: 0.22 ug/l
RT: 12.983 min Scan# 4211
Delta R.T. 0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

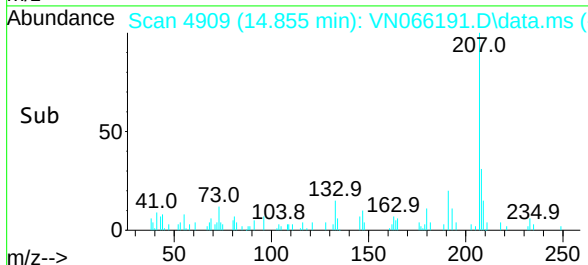
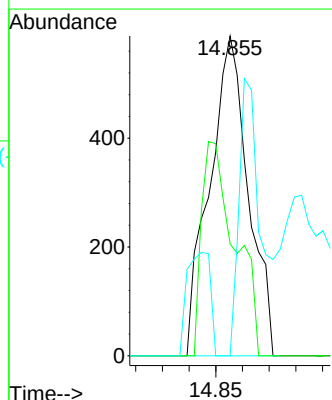
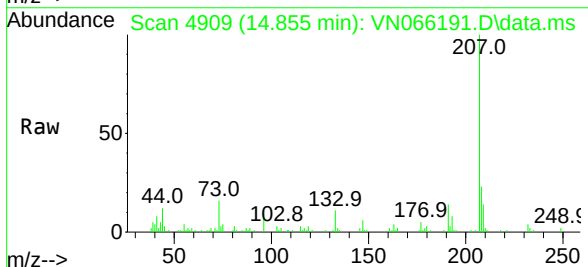
Instrument :
MSVOA_N
ClientSampled :

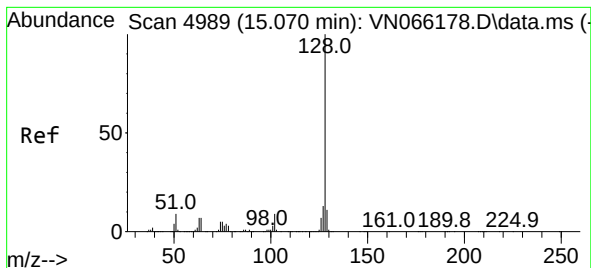
Tgt Ion:105 Resp: 2982
Ion Ratio Lower Upper
105 100
120 42.9 22.1 66.5



#93
1,2,4-Trichlorobenzene
Concen: 2.89 ug/l
RT: 14.855 min Scan# 4909
Delta R.T. 0.005 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion:180 Resp: 593
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 48.7 14.1 42.3#

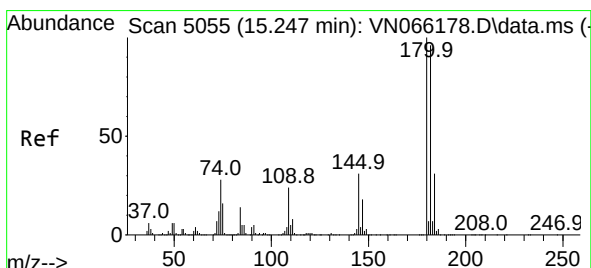
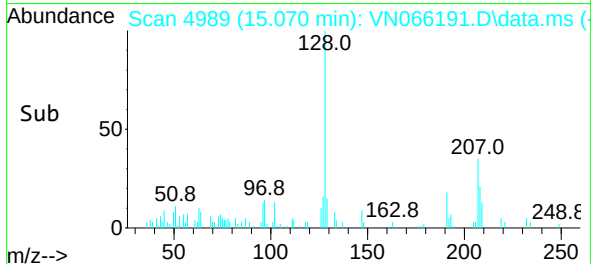
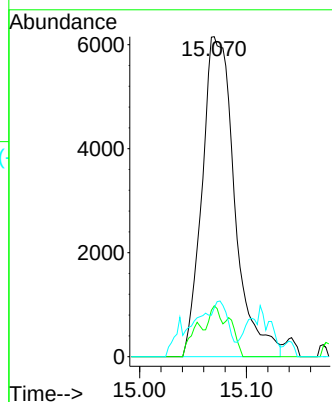
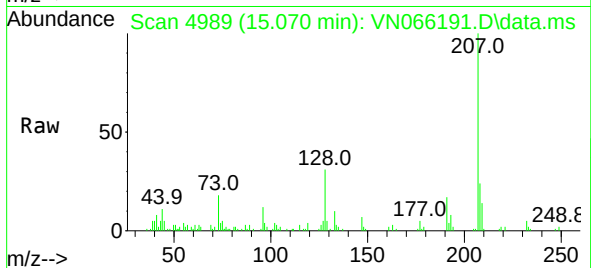




#95
Naphthalene
Concen: 2.95 ug/l
RT: 15.070 min Scan# 4989
Delta R.T. -0.000 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 13017
Ion Ratio Lower Upper
128 100
127 2.9 10.3 15.5#
129 16.2 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.95 ug/l
RT: 15.252 min Scan# 5057
Delta R.T. 0.005 min
Lab File: VN066191.D
Acq: 12 Mar 2021 18:58

Tgt Ion:180 Resp: 284
Ion Ratio Lower Upper
180 100
182 28.5 47.9 143.8#
145 71.8 15.6 46.8#

