

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065409.D
 Acq On : 6 Jan 2021 18:56
 Operator : JC/MD
 Sample : M1022-13 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30733

Quant Time: Jan 07 01:30:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

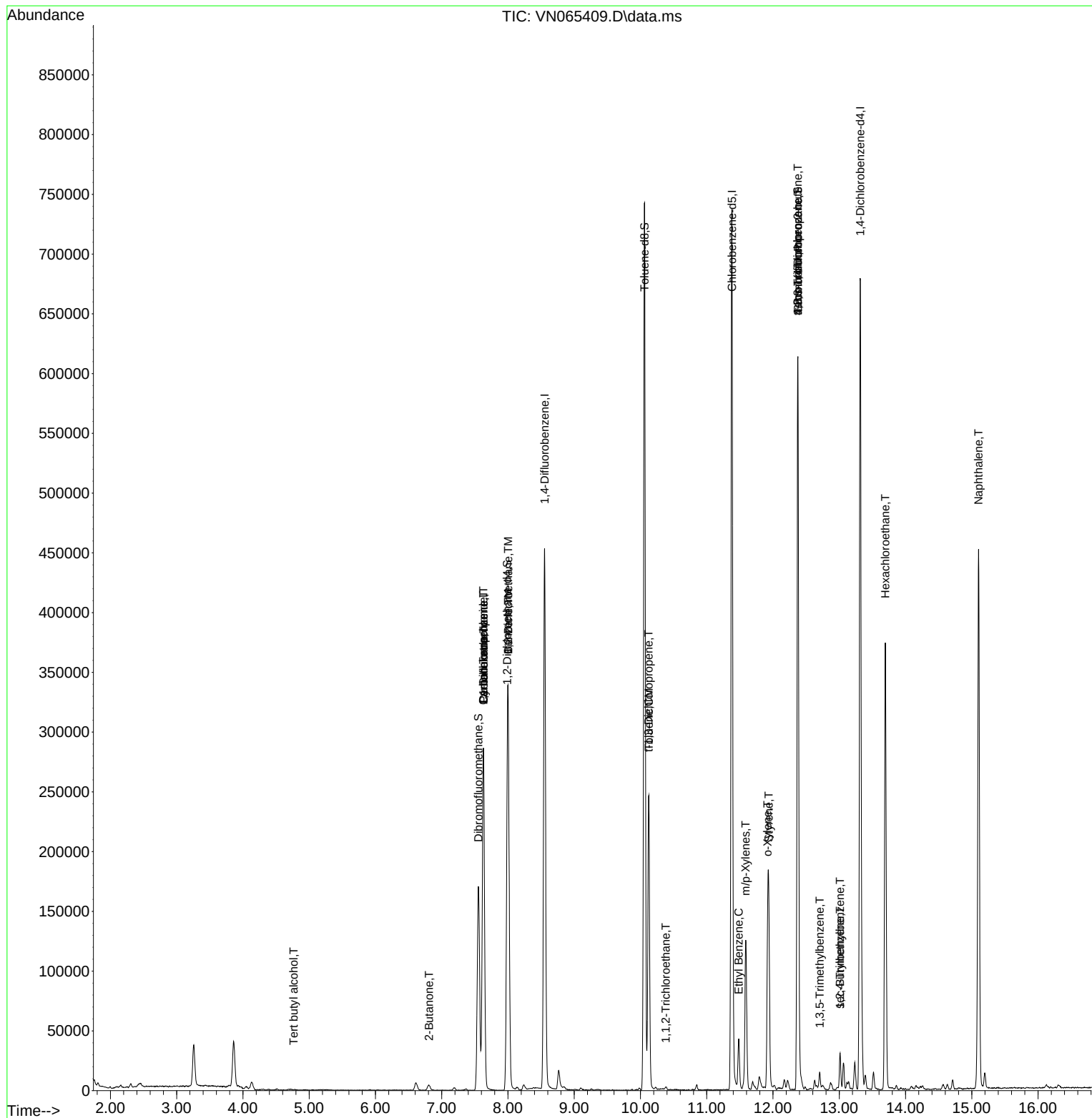
Internal Standards						
1) Pentafluorobenzene	7.631	168	259752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	438373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	461402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	204854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	149453	50.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.94%			
35) Dibromofluoromethane	7.553	113	132898	50.25	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.50%			
50) Toluene-d8	10.061	98	542755	54.76	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.52%			
62) 4-Bromofluorobenzene	12.373	95	213226	53.94	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.88%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.766	59	782	1.63	ug/l #	73
16) Acetone	3.788	43	1828	Below Cal		96
25) 2-Butanone	6.808	43	360	0.22	ug/l #	49
31) Cyclohexane	7.631	56	4151	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	16581	4.16	ug/l #	49
38) Carbon Tetrachloride	7.627	117	21821	5.21	ug/l #	16
40) Benzene	8.004	78	212262	17.90	ug/l	92
42) 1,2-Dichloroethane	8.004	62	1844	0.42	ug/l	87
52) Toluene	10.126	92	110565	14.79	ug/l	99
53) t-1,3-Dichloropropene	10.122	75	1220	0.25	ug/l #	1
55) 1,1,2-Trichloroethane	10.383	97	2055	0.69	ug/l #	14
67) Ethyl Benzene	11.483	91	31133	1.84	ug/l	97
68) m/p-Xylenes	11.589	106	41150	6.45	ug/l	99
69) o-Xylene	11.920	106	34722	5.61	ug/l	98
70) Styrene	11.936	104	70426	6.82	ug/l	98
71) Bromoform	12.376	173	1403	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	104108	24.91	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.708	105	7170	0.54	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	104108	62.81	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.013	105	18078	1.40	ug/l	99
85) sec-Butylbenzene	13.013	105	18078	1.20	ug/l #	56
90) Hexachloroethane	13.695	117	19214	8.11	ug/l #	9
95) Naphthalene	15.103	128	409475	39.34	ug/l	100

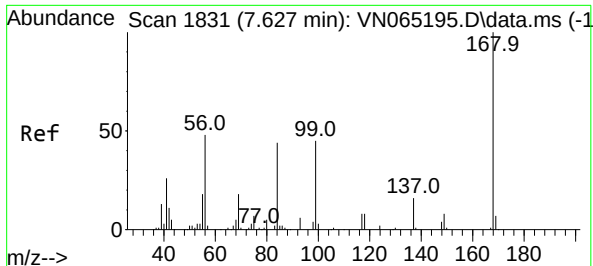
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jan 07 01:30:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

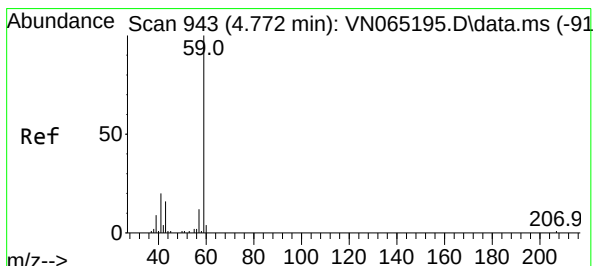
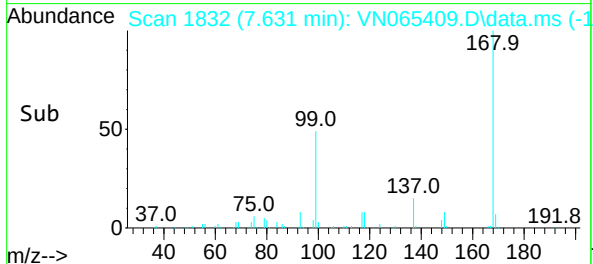
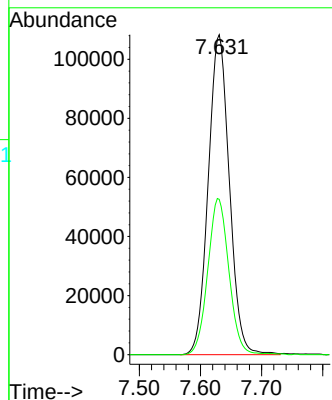
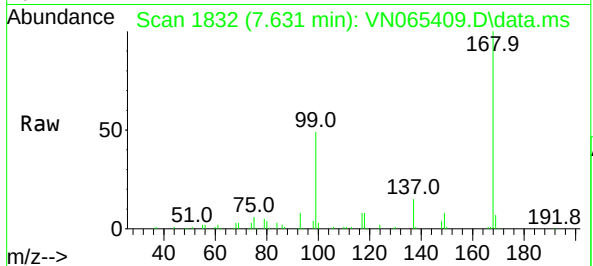




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

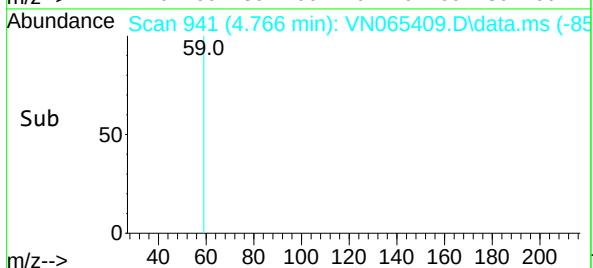
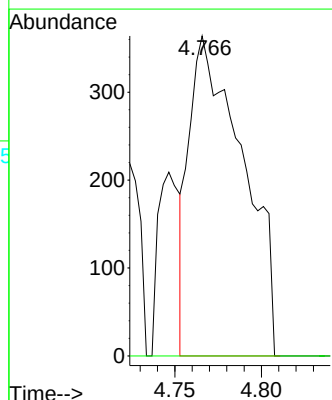
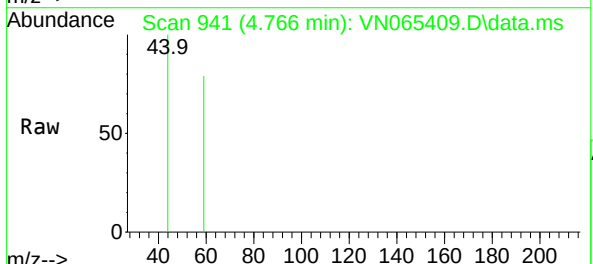
Instrument :
MSVOA_N
ClientSampleId :
30733

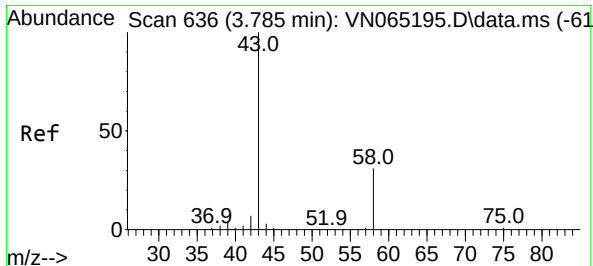
Tgt Ion:168 Resp: 259752
Ion Ratio Lower Upper
168 100
99 48.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.63 ug/l
RT: 4.766 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 59 Resp: 782
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

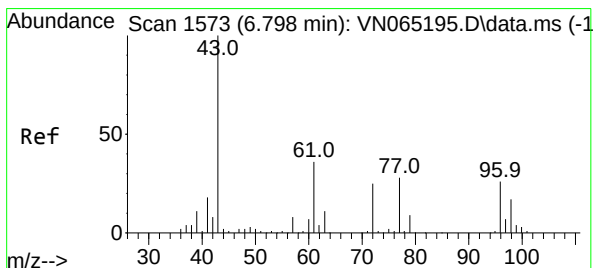
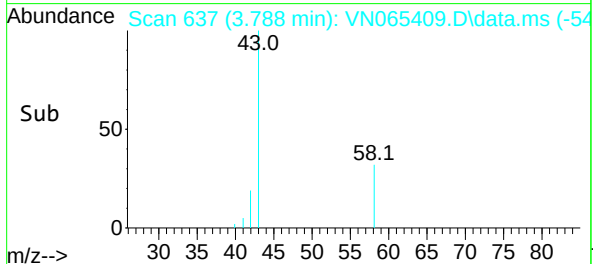
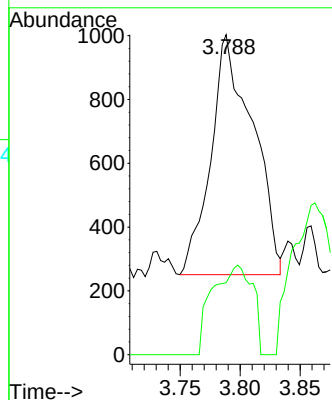
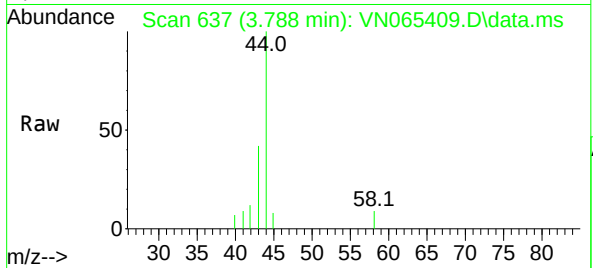




#16
Acetone
Concen: Below Cal
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

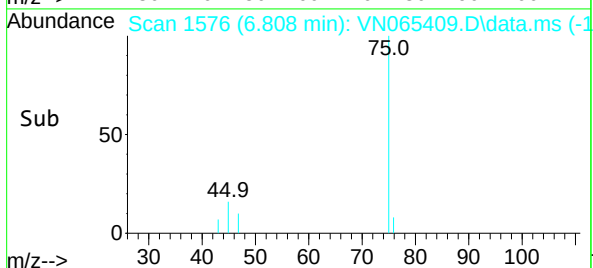
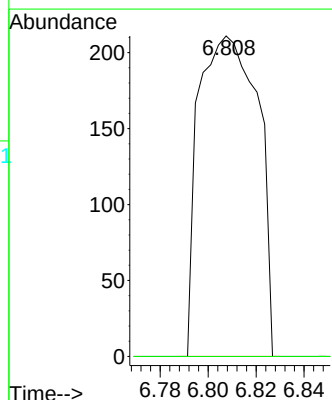
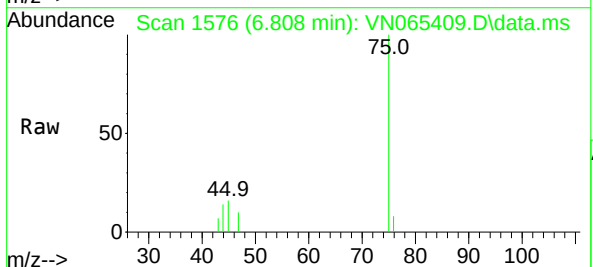
Instrument :
MSVOA_N
ClientSampled :
30733

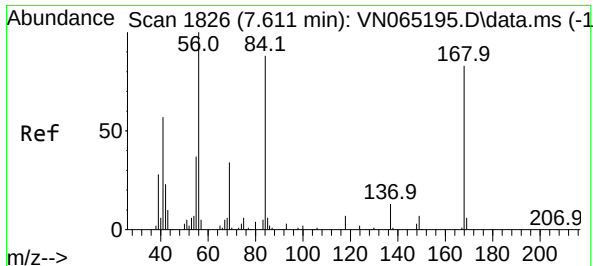
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
58 30.1 25.7 38.5



#25
2-Butanone
Concen: 0.22 ug/l
RT: 6.808 min Scan# 1576
Delta R.T. 0.010 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

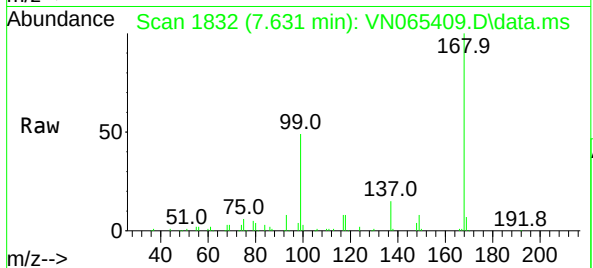
Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



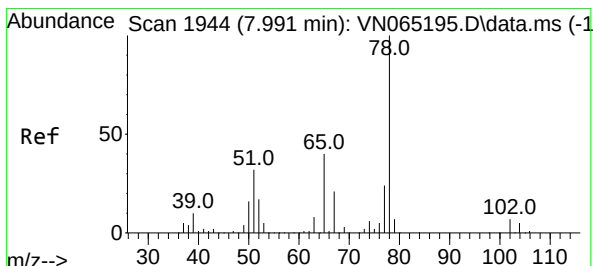
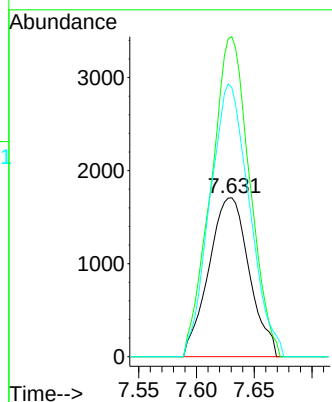
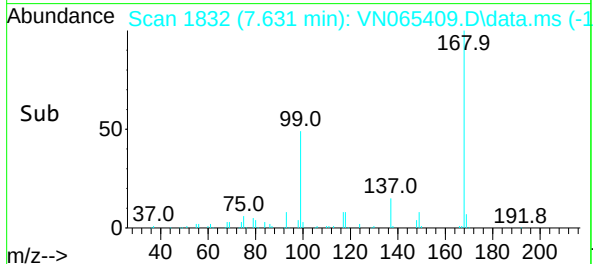


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.020 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

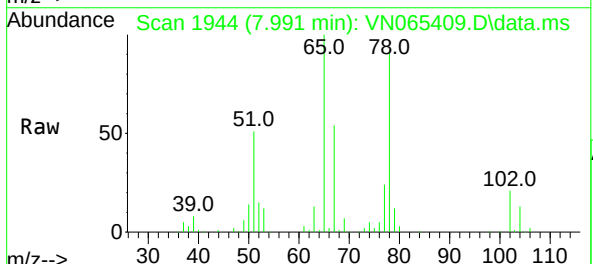
Instrument :
MSVOA_N
ClientSampleId :
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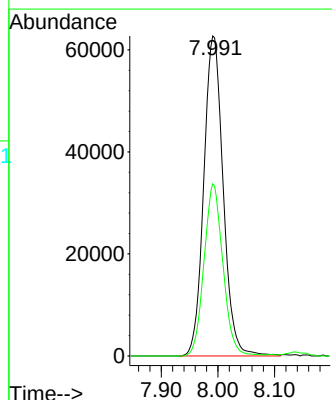
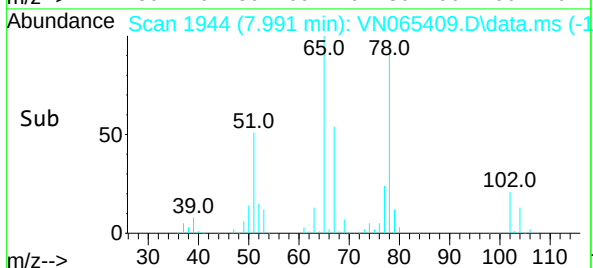
Tgt Ion: 56 Resp: 4151
Ion Ratio Lower Upper
56 100
69 201.5 27.5 41.3#
84 169.3 73.9 110.9#

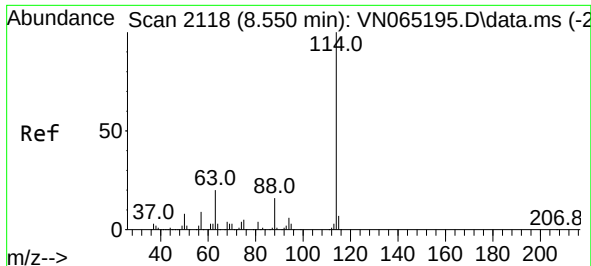


#33
1,2-Dichloroethane-d4
Concen: 50.97 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56



Tgt Ion: 65 Resp: 149453
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2

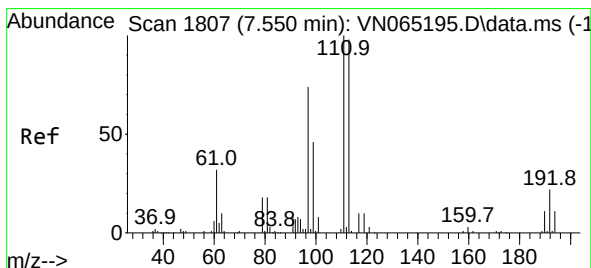
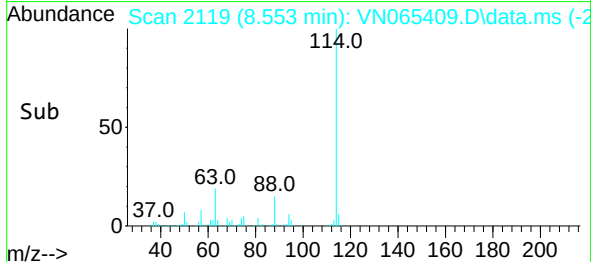
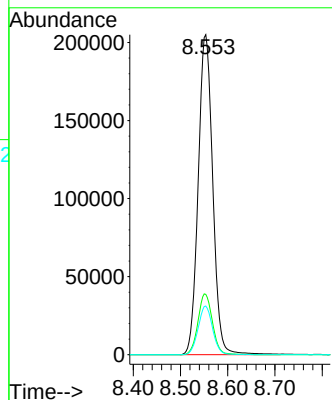
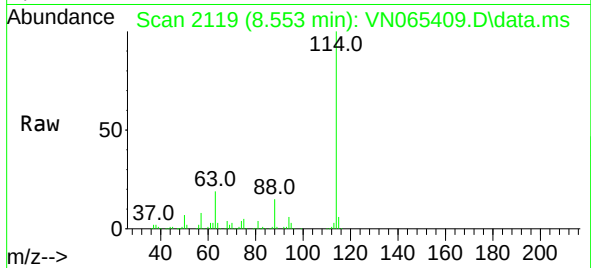




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

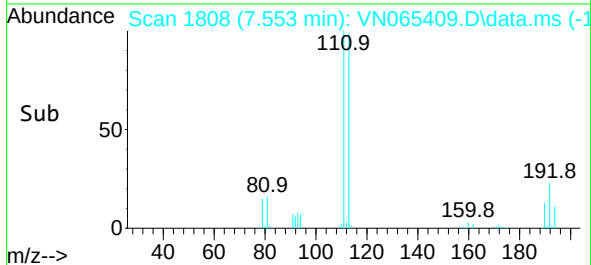
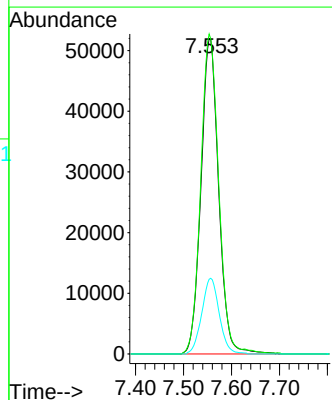
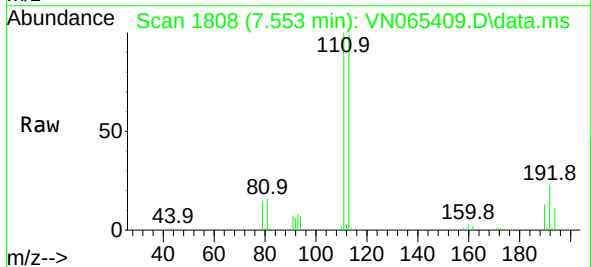
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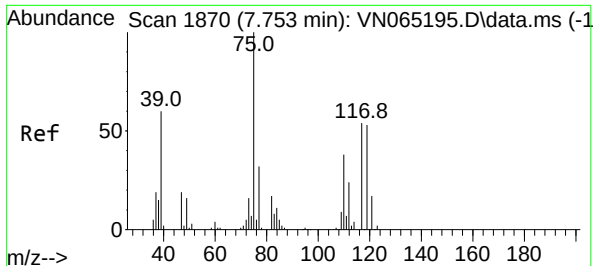
Tgt Ion:114 Resp: 438373
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.6
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.25 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion:113 Resp: 132898
Ion Ratio Lower Upper
113 100
111 102.0 81.6 122.4
192 23.8 16.2 24.2

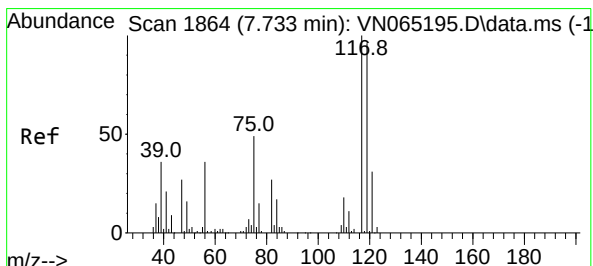
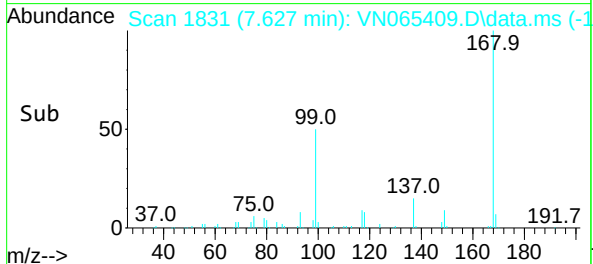
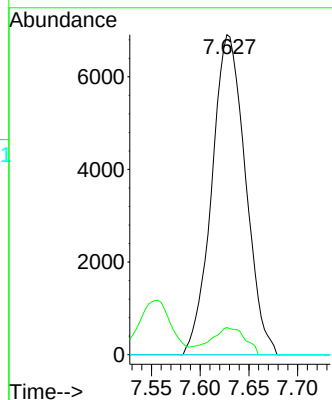
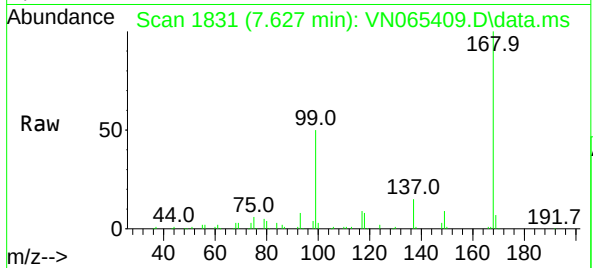




#36
1,1-Dichloropropene
Concen: 4.16 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

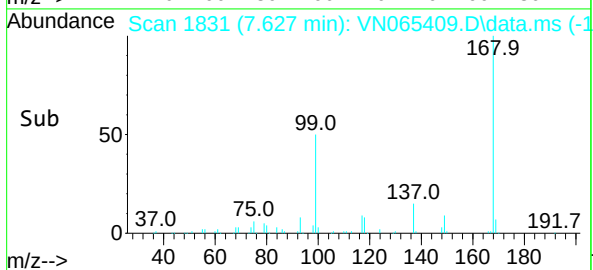
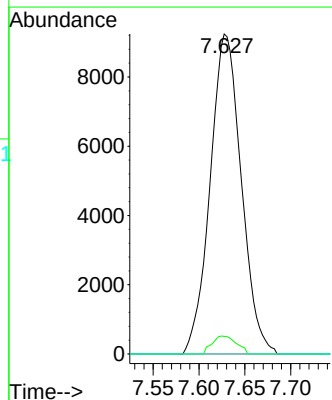
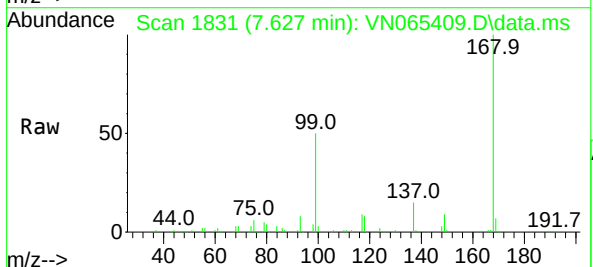
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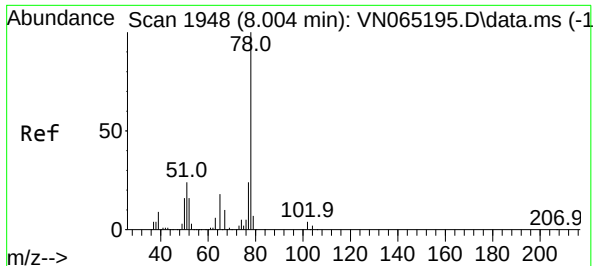
Tgt Ion: 75 Resp: 16581
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 117 Resp: 21821
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 25.4 38.2#

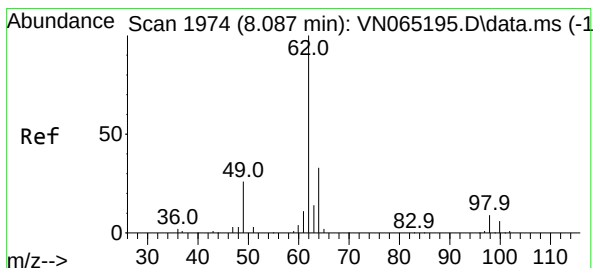
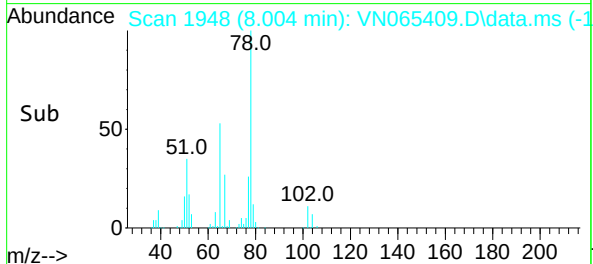
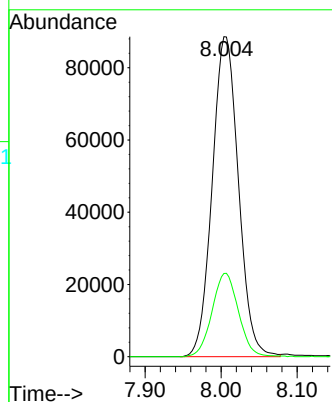
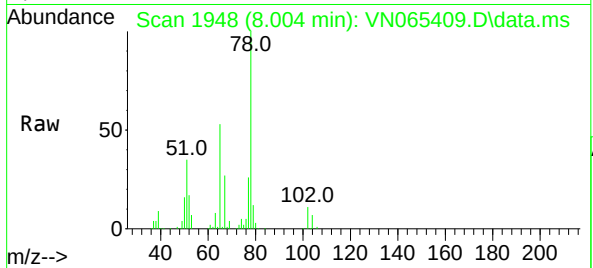




#40
Benzene
Concen: 17.90 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

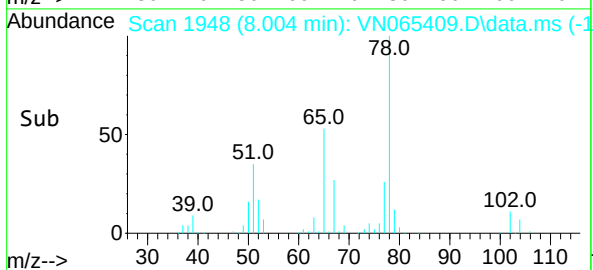
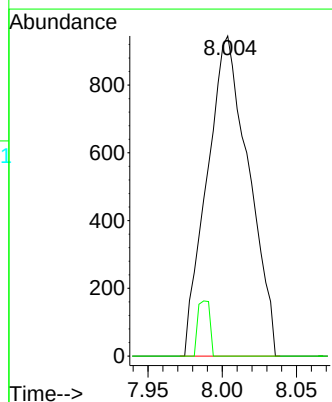
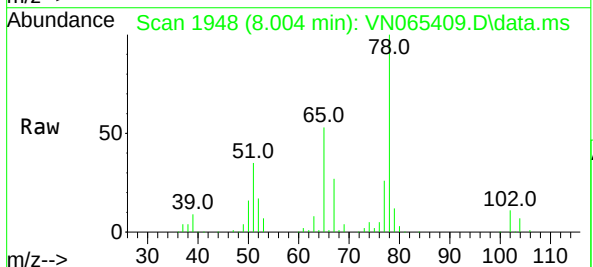
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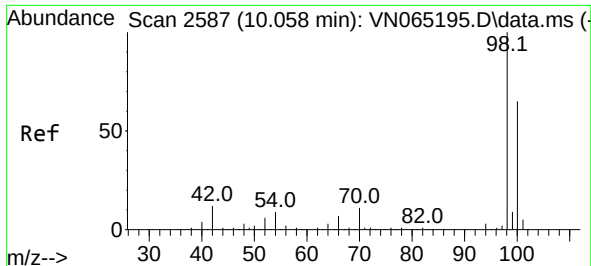
Tgt Ion: 78 Resp: 212262
Ion Ratio Lower Upper
78 100
77 26.0 17.9 26.9



#42
1,2-Dichloroethane
Concen: 0.42 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. -0.083 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 62 Resp: 1844
Ion Ratio Lower Upper
62 100
98 5.0 0.0 19.6

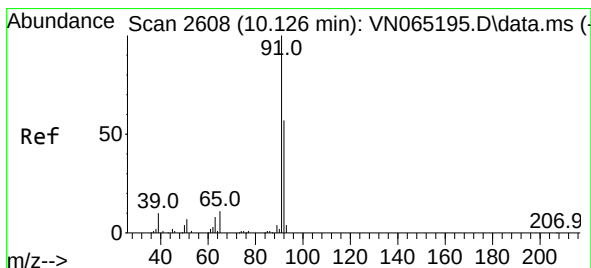
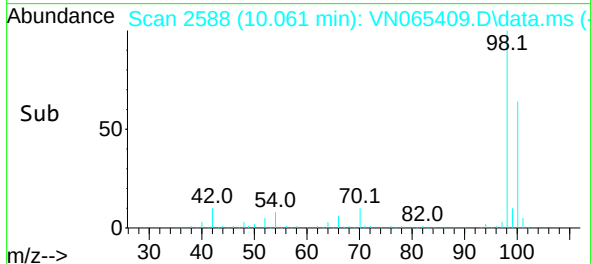
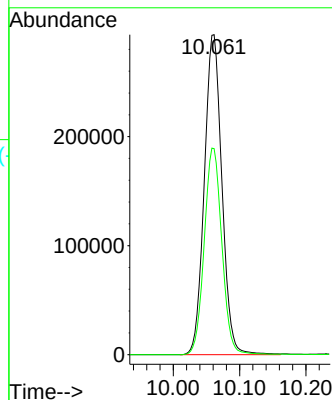
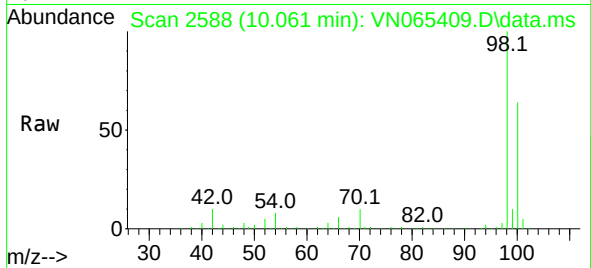




#50
Toluene-d8
Concen: 54.76 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

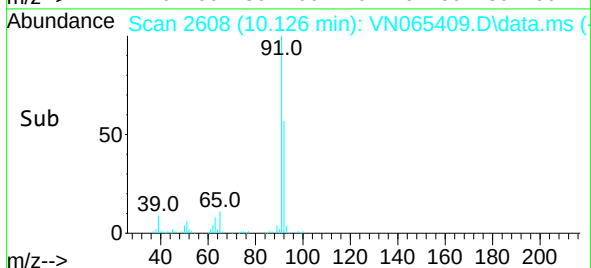
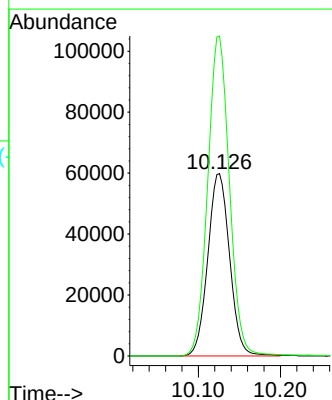
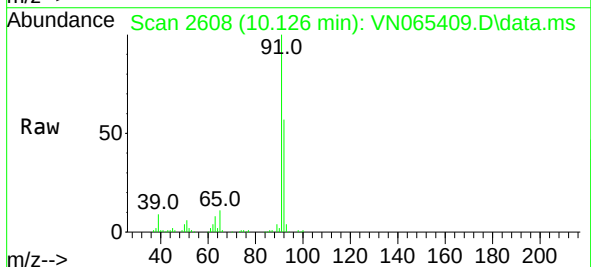
Instrument :
MSVOA_N
ClientSampled :
30733

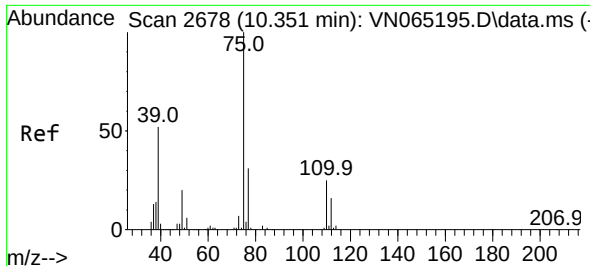
Tgt Ion: 98 Resp: 542755
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#52
Toluene
Concen: 14.79 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 92 Resp: 110565
Ion Ratio Lower Upper
92 100
91 174.7 139.1 208.7

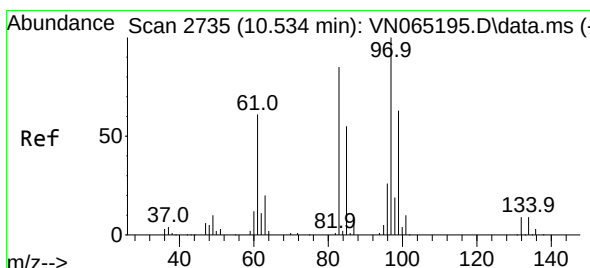
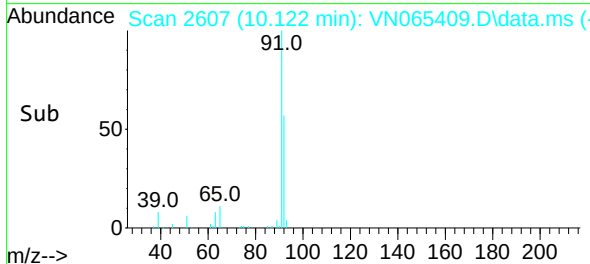
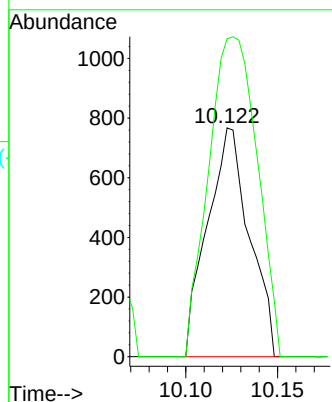
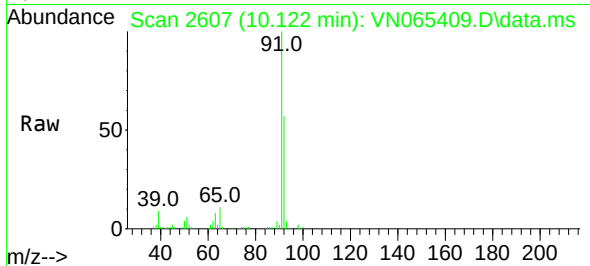




#53
t-1,3-Dichloropropene
Concen: 0.25 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. -0.229 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

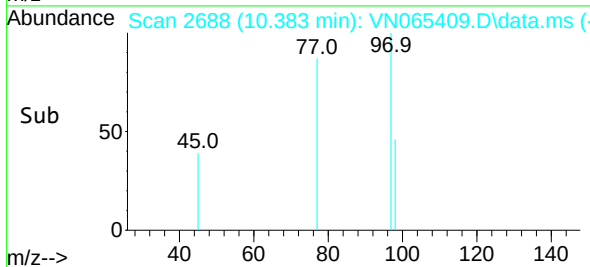
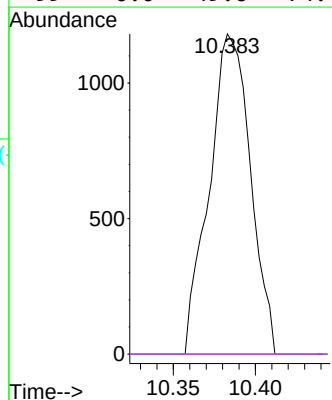
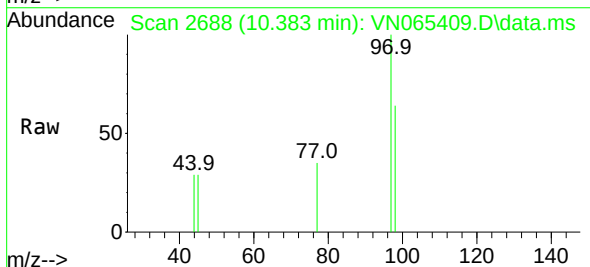
Instrument :
MSVOA_N
ClientSampled :
30733

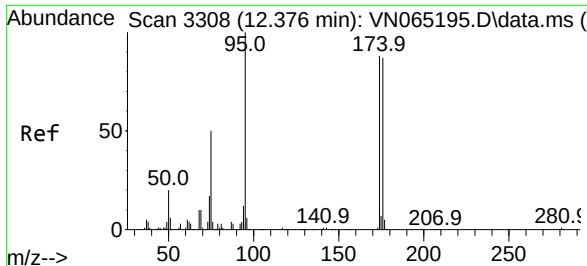
Tgt Ion: 75 Resp: 1220
Ion Ratio Lower Upper
75 100
77 139.0 25.8 38.6#



#55
1,1,2-Trichloroethane
Concen: 0.69 ug/l
RT: 10.383 min Scan# 2688
Delta R.T. -0.151 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 97 Resp: 2055
Ion Ratio Lower Upper
97 100
83 0.0 72.1 108.1#
85 0.0 46.8 70.2#
99 0.0 49.6 74.4#

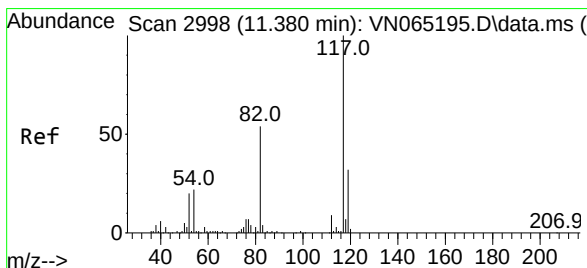
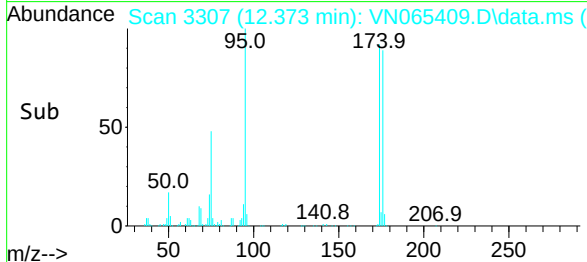
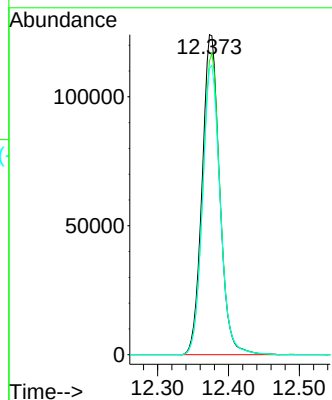
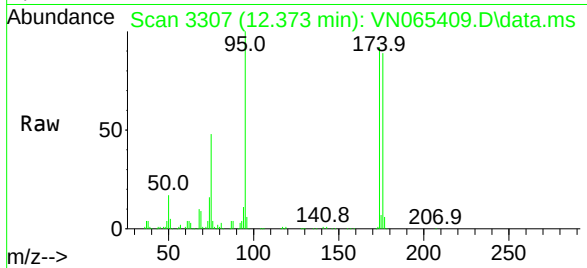




#62
4-Bromofluorobenzene
Concen: 53.94 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

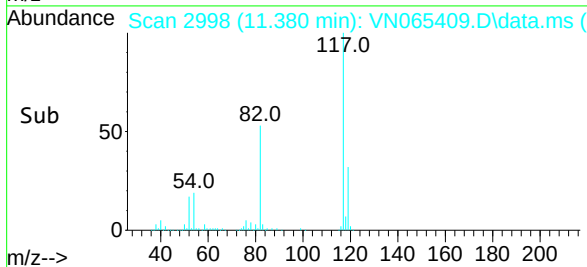
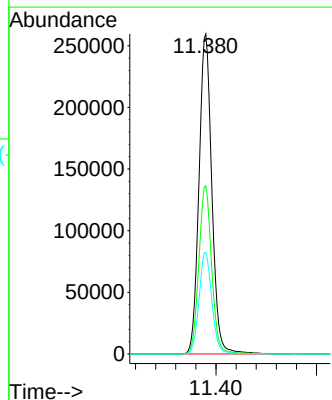
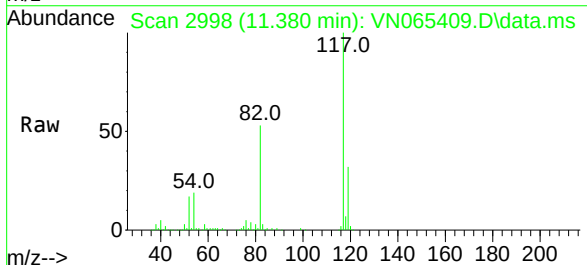
Instrument :
MSVOA_N
ClientSampleId :
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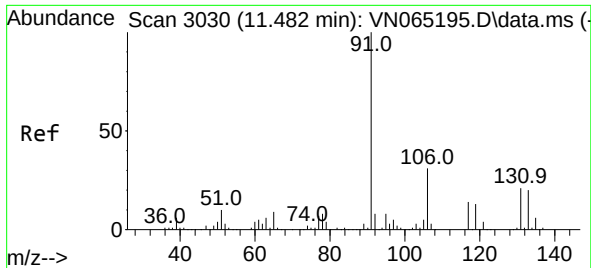
Tgt Ion: 95 Resp: 213226
Ion Ratio Lower Upper
95 100
174 94.0 0.0 160.4
176 91.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 117 Resp: 461402
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.8 25.8 38.6

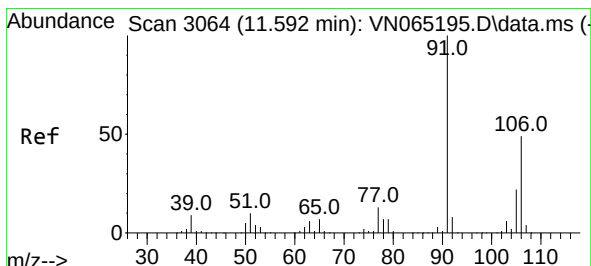
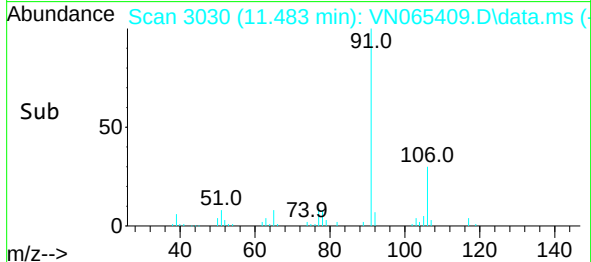
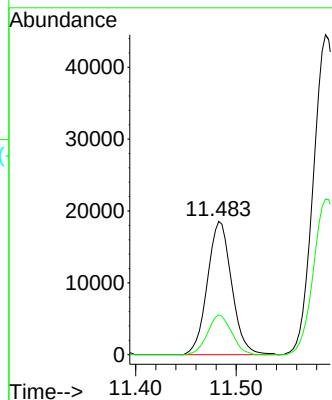
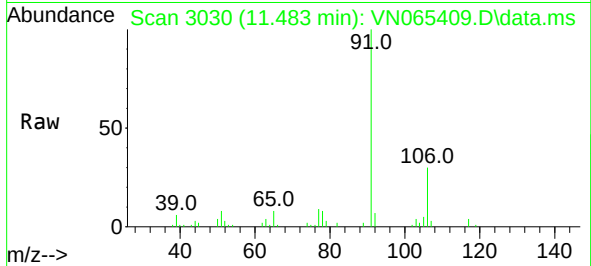




#67
Ethyl Benzene
Concen: 1.84 ug/l
RT: 11.483 min Scan# 3030
Delta R.T. 0.001 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

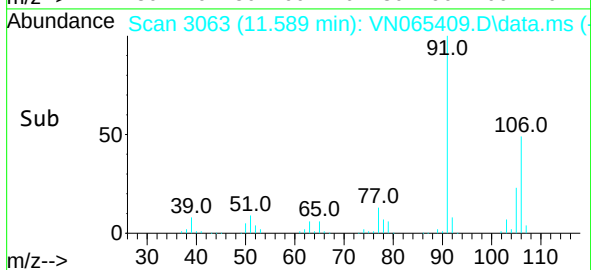
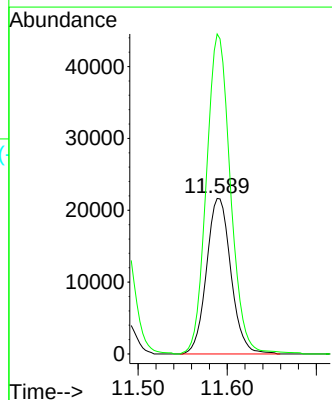
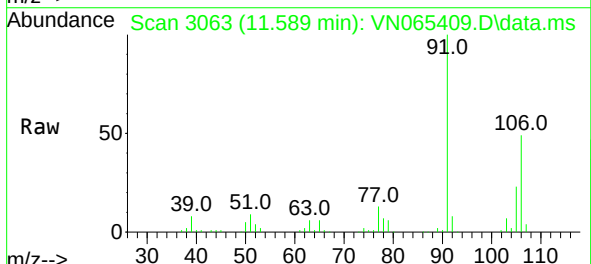
Instrument :
MSVOA_N
ClientSampled :
30733

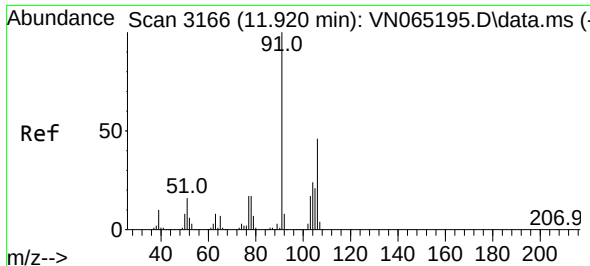
Tgt Ion: 91 Resp: 31133
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8



#68
m/p-Xylenes
Concen: 6.45 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 106 Resp: 41150
Ion Ratio Lower Upper
106 100
91 203.3 161.0 241.4

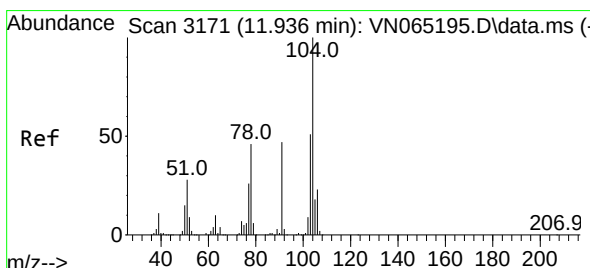
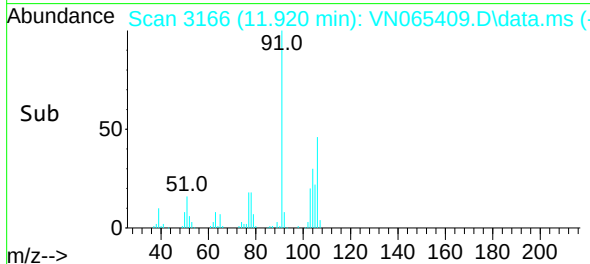
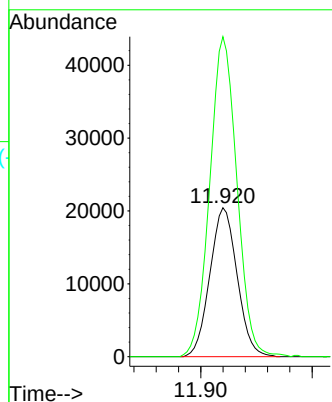
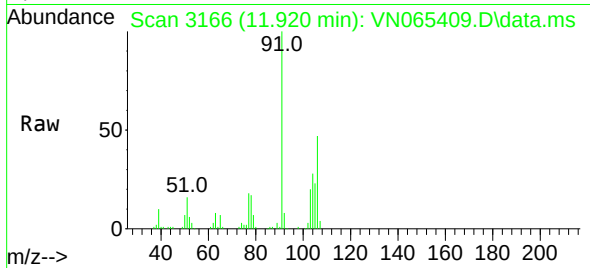




#69
o-Xylene
Concen: 5.61 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

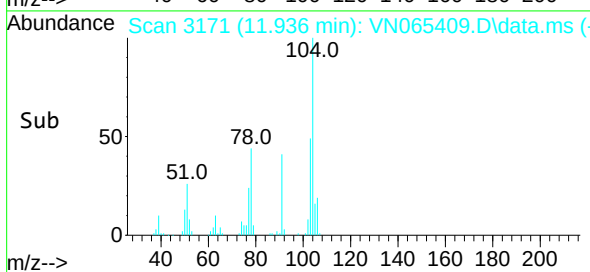
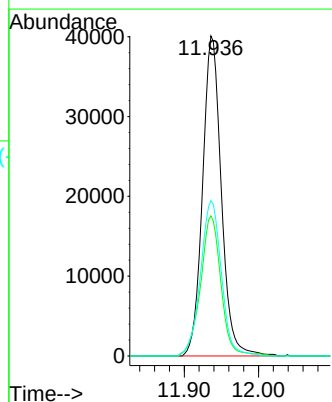
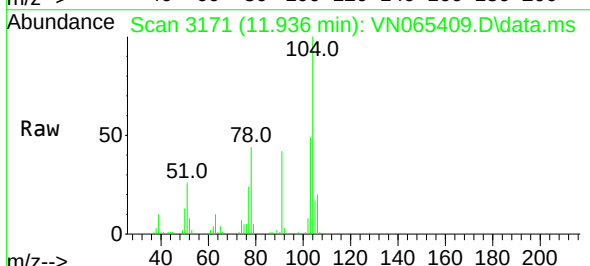
Instrument :
MSVOA_N
ClientSampled :
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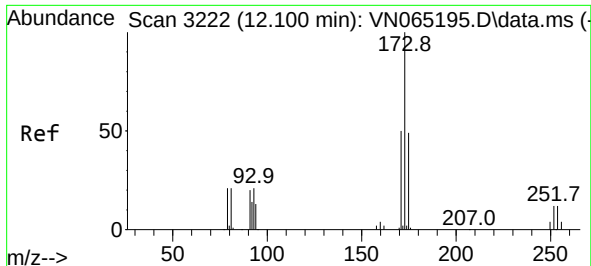
Tgt Ion:106 Resp: 34722
Ion Ratio Lower Upper
106 100
91 214.3 105.5 316.5



#70
Styrene
Concen: 6.82 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion:104 Resp: 70426
Ion Ratio Lower Upper
104 100
78 47.2 39.0 58.6
103 53.6 44.3 66.5

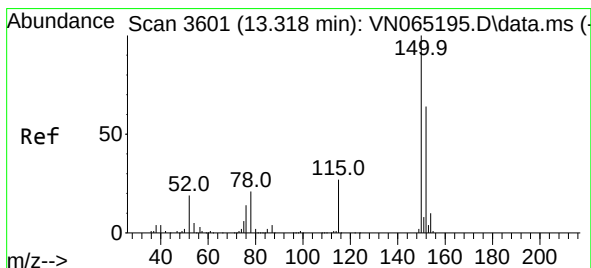
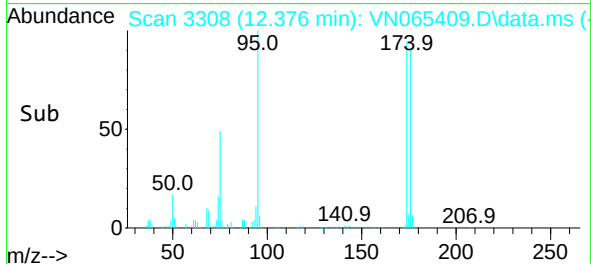
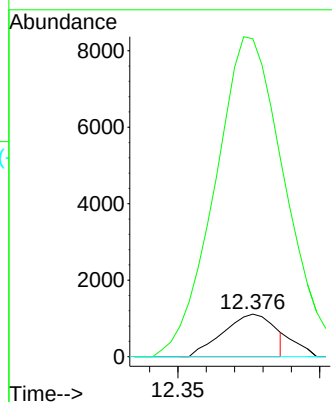
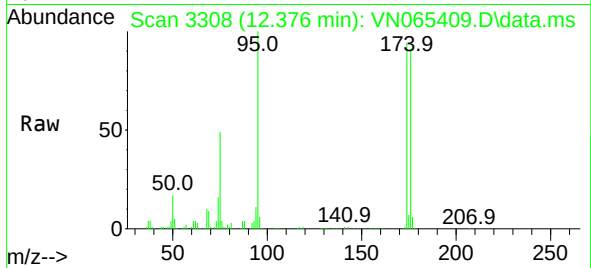




#71
Bromoform
Concen: 0.45 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

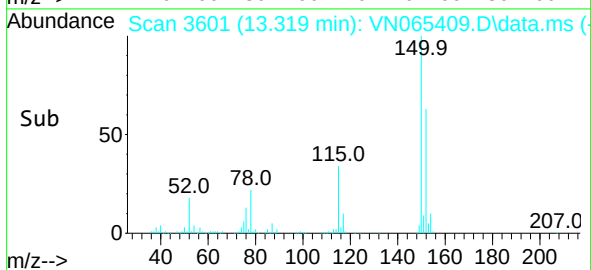
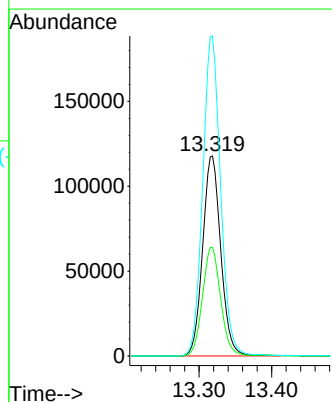
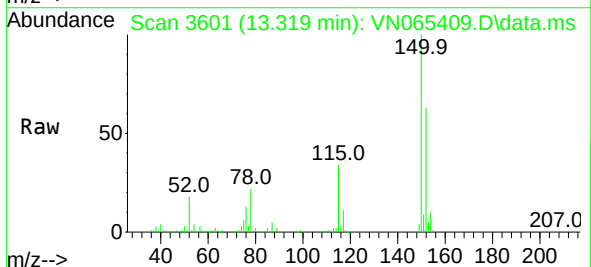
Instrument :
MSVOA_N
ClientSampled :
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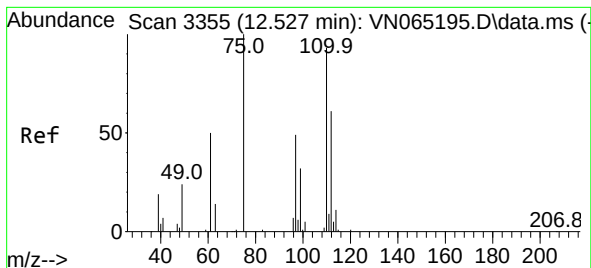
Tgt Ion:173 Resp: 1403
Ion Ratio Lower Upper
173 100
175 865.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion:152 Resp: 204854
Ion Ratio Lower Upper
152 100
115 54.3 29.7 89.1
150 157.5 0.0 350.6

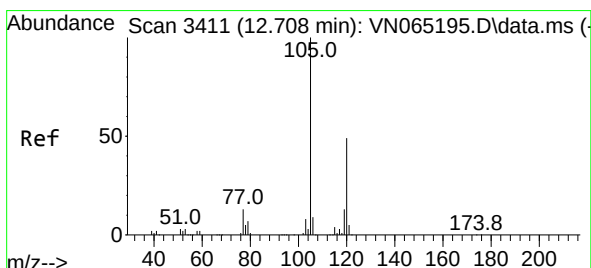
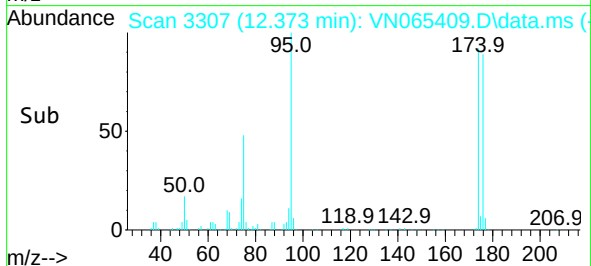
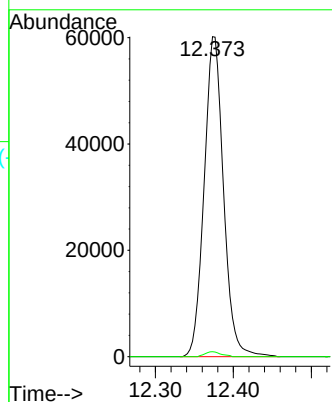
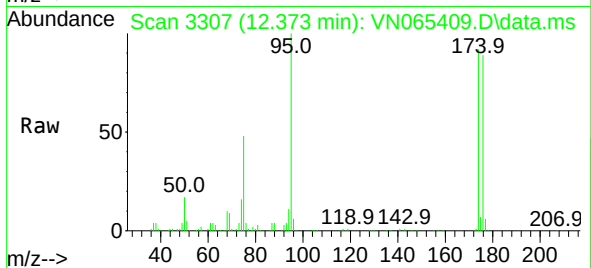




#76
1,2,3-Trichloropropane
Concen: 24.91 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

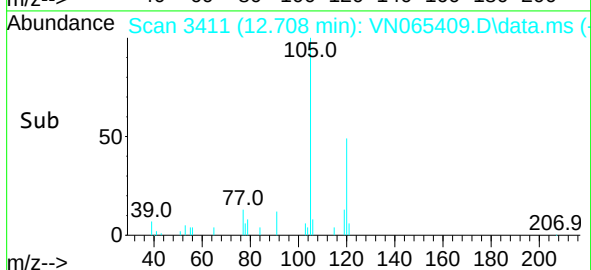
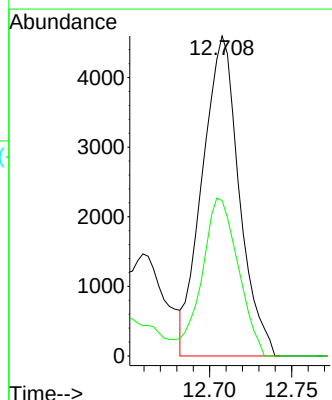
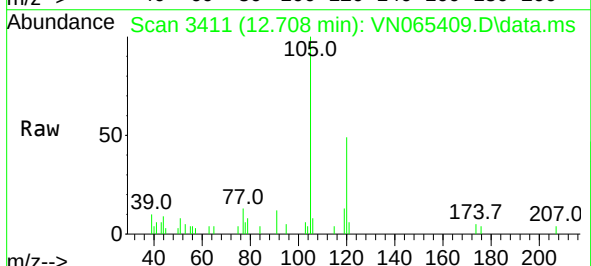
Instrument :
MSVOA_N
ClientSampleId :
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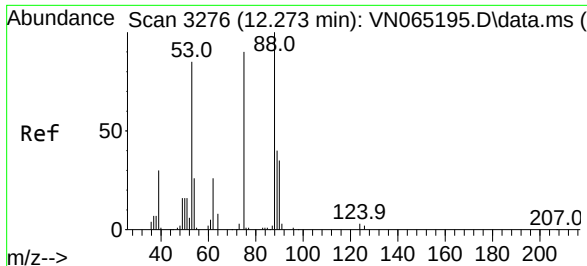
Tgt Ion: 75 Resp: 104108
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.54 ug/l
RT: 12.708 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

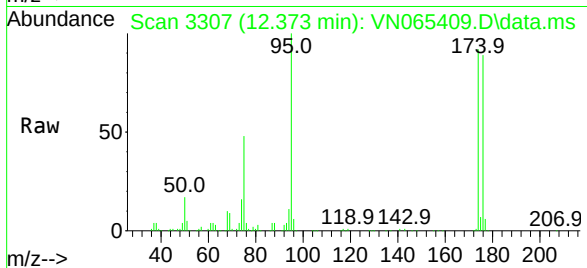
Tgt Ion: 105 Resp: 7170
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.6



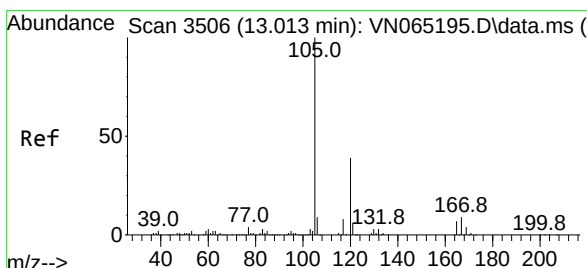
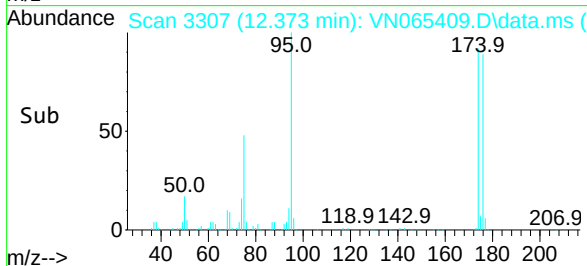
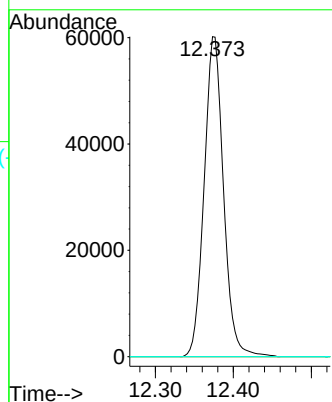


#81
trans-1,4-Dichloro-2-butene
Concen: 62.81 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Instrument :
MSVOA_N
ClientSampleId :
30733

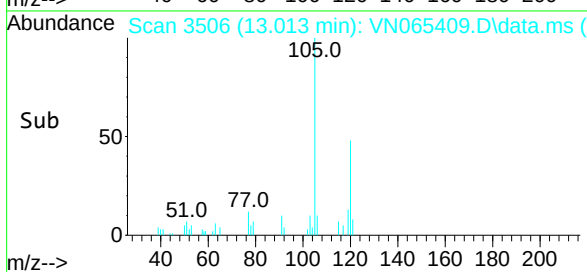
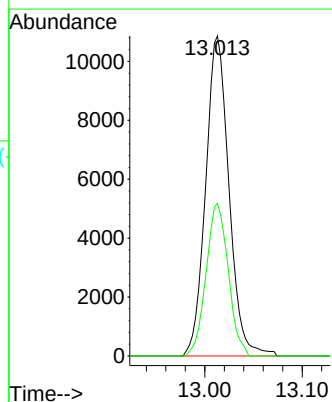
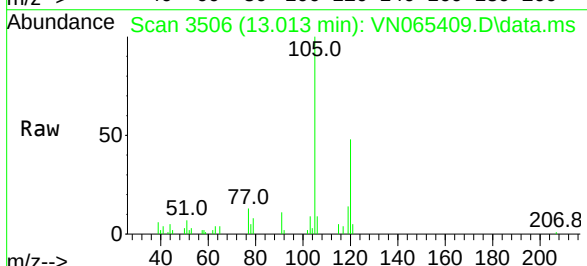


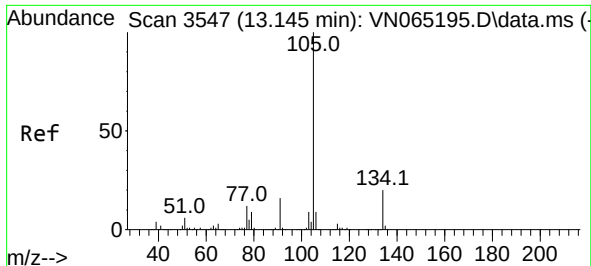
Tgt Ion: 75 Resp: 104108
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.40 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.000 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Tgt Ion: 105 Resp: 18078
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2

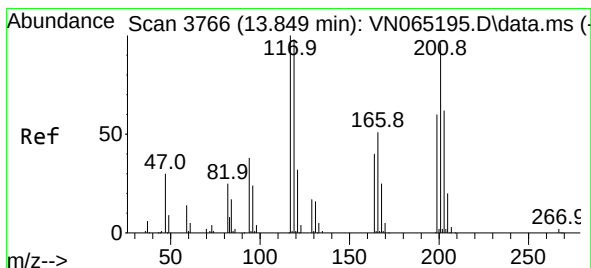
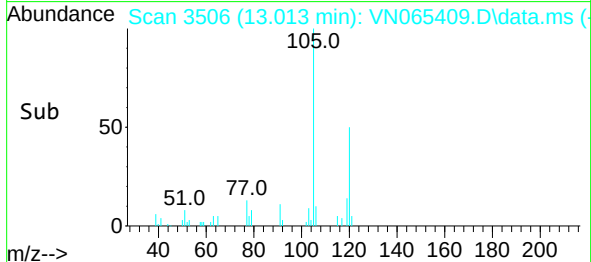
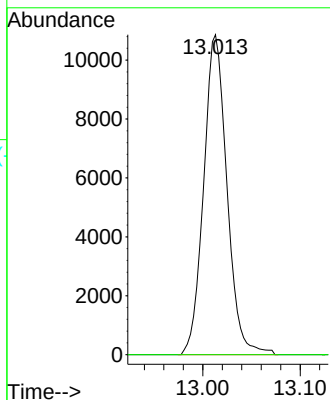
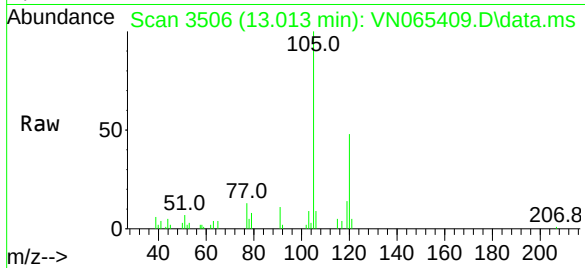




#85
 sec-Butylbenzene
 Concen: 1.20 ug/l
 RT: 13.013 min Scan# 3506
 Delta R.T. -0.132 min
 Lab File: VN065409.D
 Acq: 6 Jan 2021 18:56

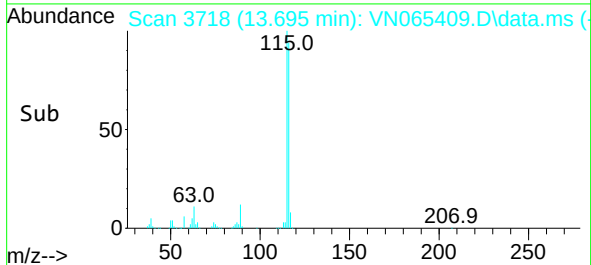
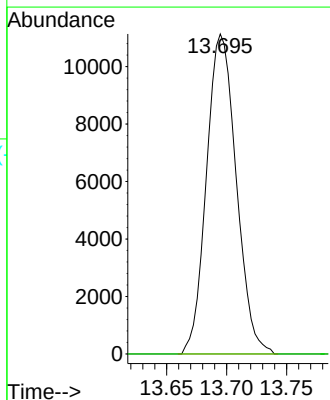
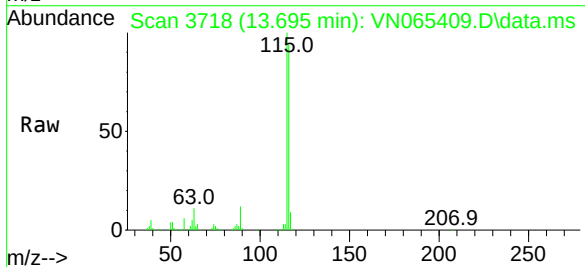
Instrument :
 MSVOA_N
 ClientSampled :
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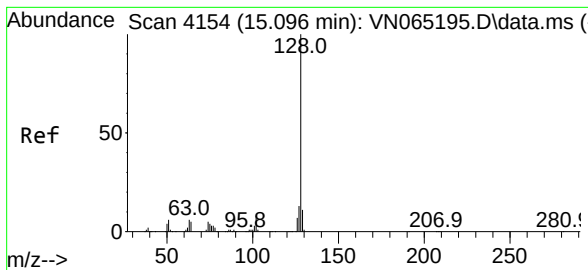
Tgt Ion:105 Resp: 18078
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 8.11 ug/l
 RT: 13.695 min Scan# 3718
 Delta R.T. -0.154 min
 Lab File: VN065409.D
 Acq: 6 Jan 2021 18:56

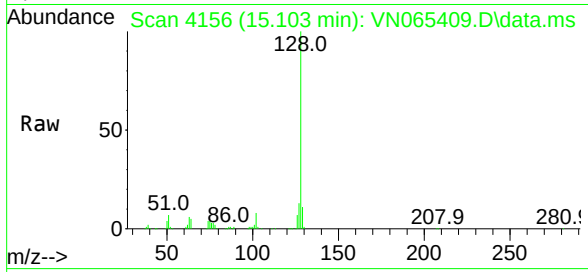
Tgt Ion:117 Resp: 19214
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.1 120.3#





#95
Naphthalene
Concen: 39.34 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065409.D
Acq: 6 Jan 2021 18:56

Instrument :
MSVOA_N
ClientSampleId :
30733



Tgt Ion:128 Resp: 409475
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.7 13.1

