

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122220\
 Data File : VN065208.D
 Acq On : 22 Dec 2020 20:10
 Operator : JC/MD
 Sample : L5159-06 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CGP-3

Quant Time: Dec 23 03:42:55 2020
 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)

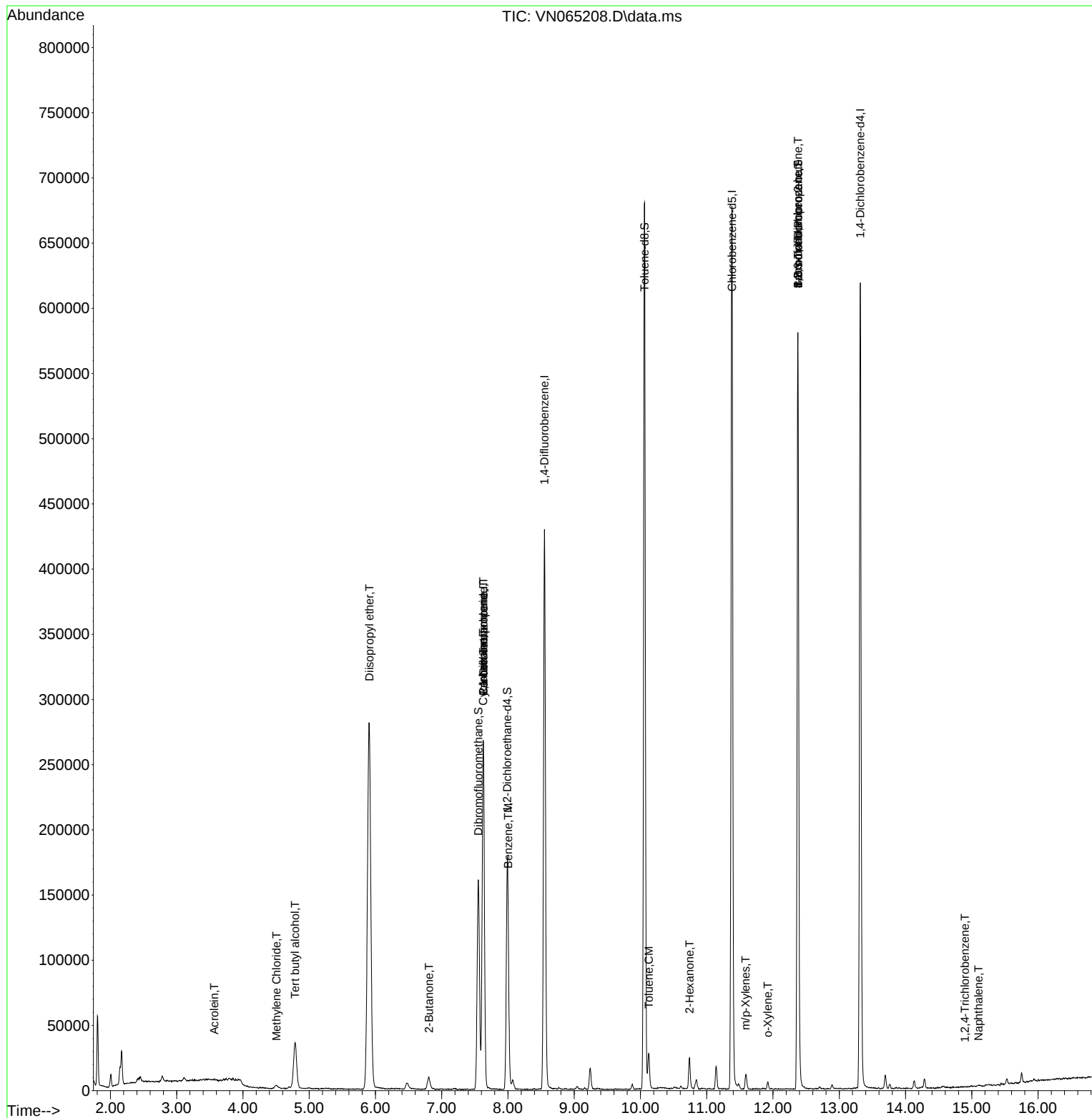
Internal Standards						
1) Pentafluorobenzene	7.627	168	237064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	392780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	410023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	180464	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	140066	52.34	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.68%			
35) Dibromofluoromethane	7.553	113	122583	51.73	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.46%			
50) Toluene-d8	10.061	98	485744	54.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.38%			
62) 4-Bromofluorobenzene	12.376	95	198664	55.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.78%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.785	59	5033	11.49	ug/l	99
13) Acrolein	3.566	56	440	3.88	ug/l #	34
16) Acetone	3.788	43	1559	Below Cal	#	88
20) Methylene Chloride	4.505	84	1386	0.53	ug/l	89
22) Diisopropyl ether	5.907	45	13802	1.81	ug/l #	1
25) 2-Butanone	6.807	43	408	0.27	ug/l #	49
31) Cyclohexane	7.624	56	5144	1.30	ug/l #	21
36) 1,1-Dichloropropene	7.627	75	15675	4.39	ug/l #	49
38) Carbon Tetrachloride	7.627	117	20862	5.56	ug/l #	16
40) Benzene	8.003	78	25692	2.42	ug/l	99
52) Toluene	10.126	92	10810	1.61	ug/l	100
59) 2-Hexanone	10.740	43	3586	1.42	ug/l #	49
68) m/p-Xylenes	11.589	106	4029	0.71	ug/l	94
69) o-Xylene	11.923	106	1592	0.29	ug/l	88
71) Bromoform	12.376	173	1247	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	102041	27.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	102041	69.89	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.897	180	62	2.85	ug/l #	12
95) Naphthalene	15.103	128	355	3.41	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
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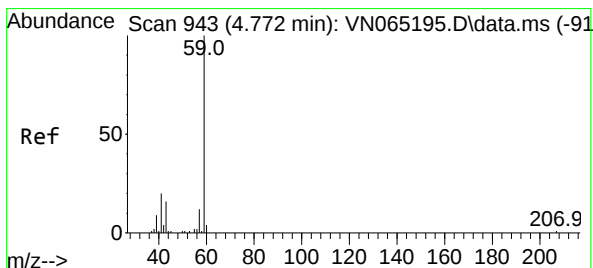
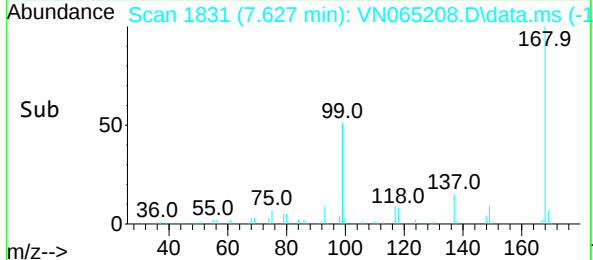
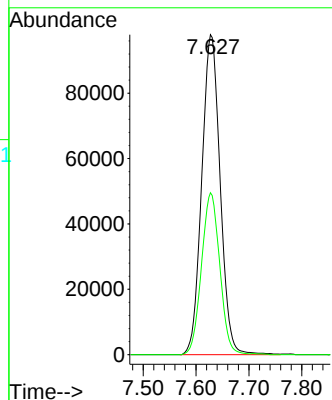
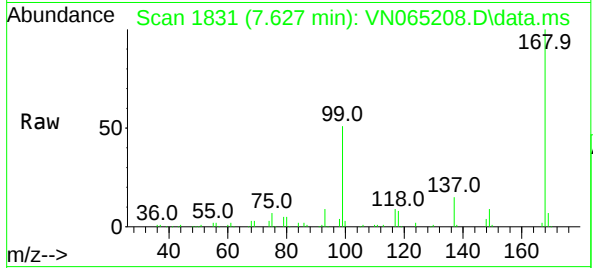




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

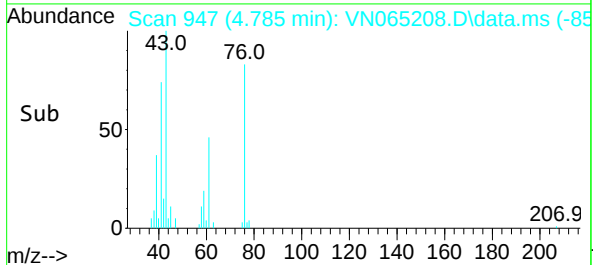
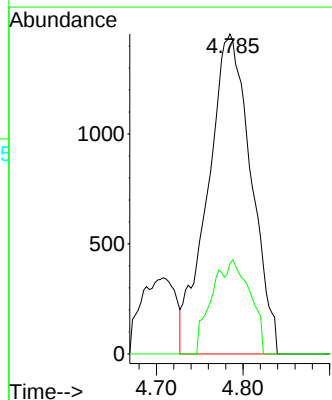
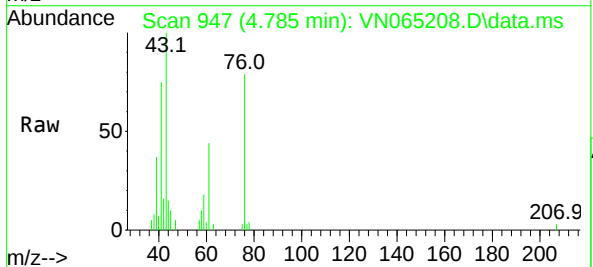
Instrument :
MSVOA_N
ClientSampled :
CGP-3

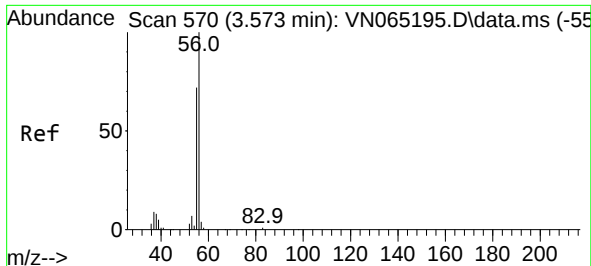
Tgt Ion:168 Resp: 237064
Ion Ratio Lower Upper
168 100
99 50.6 43.0 64.4



#11
Tert butyl alcohol
Concen: 11.49 ug/l
RT: 4.785 min Scan# 947
Delta R.T. 0.013 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 59 Resp: 5033
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

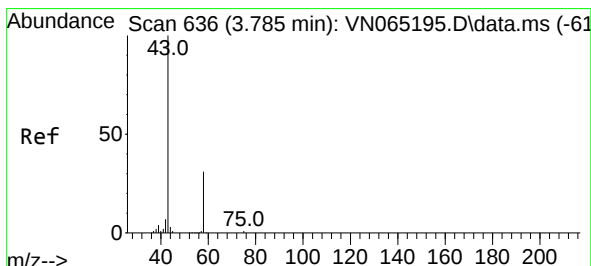
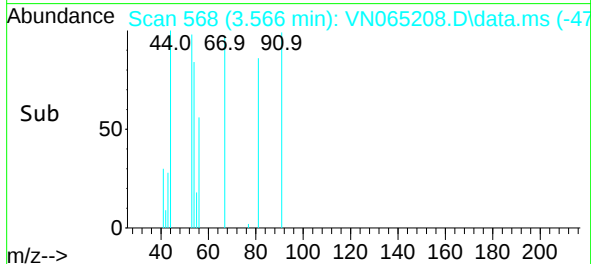
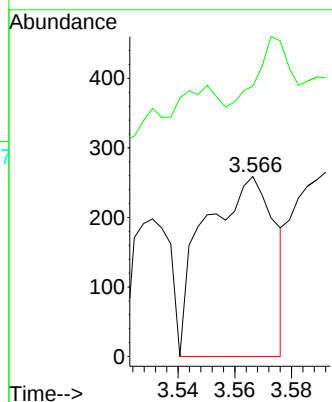
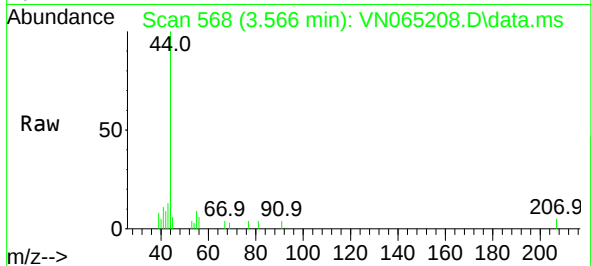




#13
Acrolein
Concen: 3.88 ug/l
RT: 3.566 min Scan# 568
Delta R.T. -0.007 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

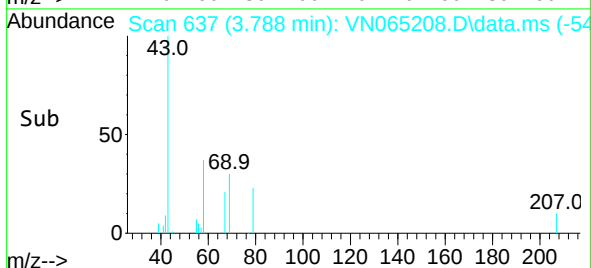
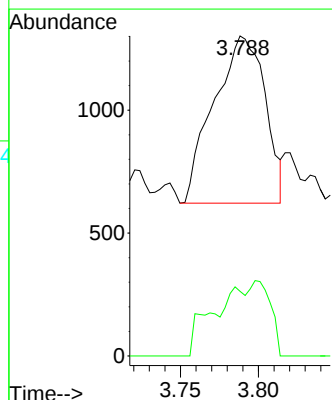
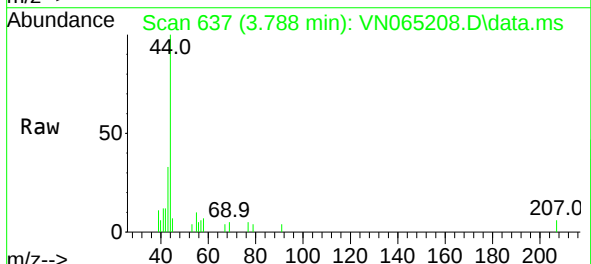
Instrument :
MSVOA_N
ClientSampled :
CGP-3

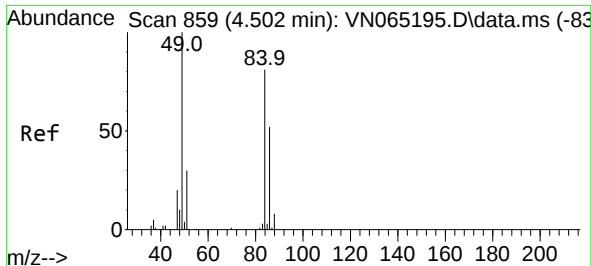
Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 16.4 56.5 84.7#



#16
Acetone
Concen: Below Cal
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

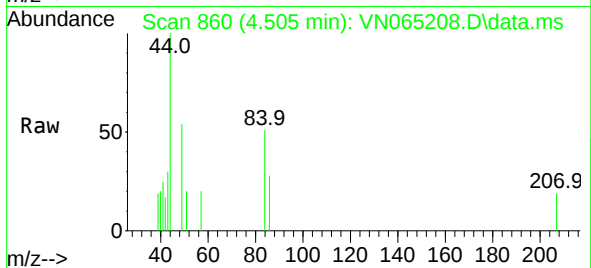
Tgt Ion: 43 Resp: 1559
Ion Ratio Lower Upper
43 100
58 38.7 25.7 38.5#



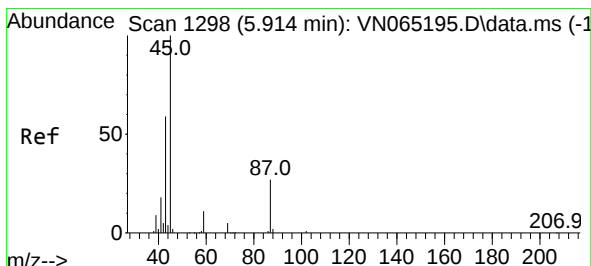
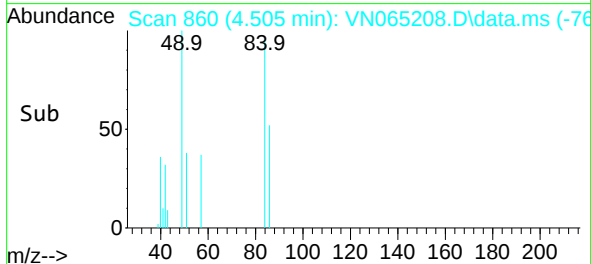
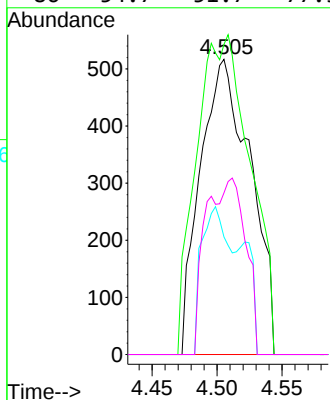


#20
Methylene Chloride
Concen: 0.53 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Instrument :
MSVOA_N
ClientSampled :
CGP-3

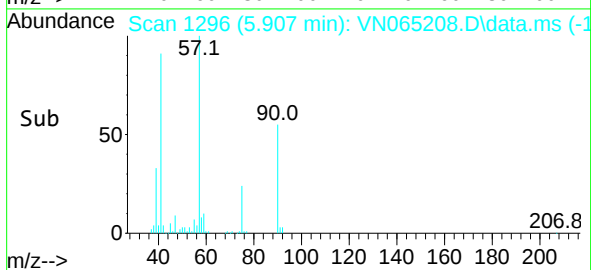
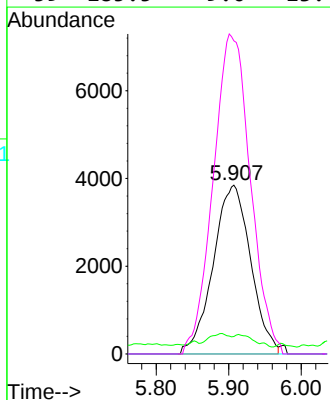
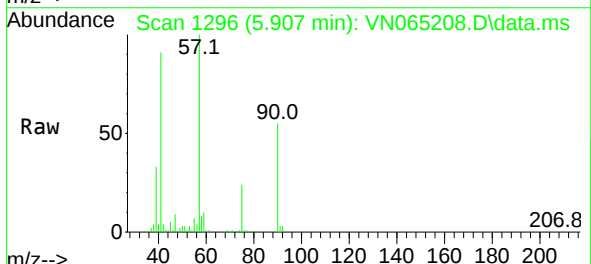


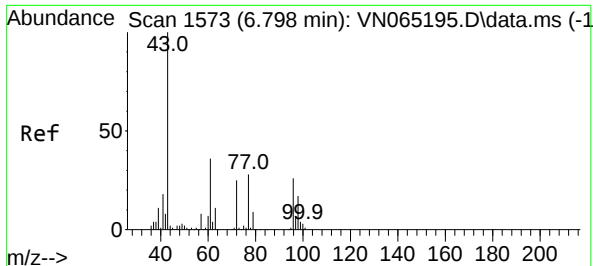
Tgt Ion:	84	Resp:	1386
Ion	Ratio	Lower	Upper
84	100		
49	105.0	93.4	140.0
51	39.8	28.2	42.4
86	54.7	51.7	77.5



#22
Diisopropyl ether
Concen: 1.81 ug/l
RT: 5.907 min Scan# 1296
Delta R.T. -0.007 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion:	45	Resp:	13802
Ion	Ratio	Lower	Upper
45	100		
43	4.8	46.2	69.2#
87	0.0	24.1	36.1#
59	185.5	9.0	13.4#

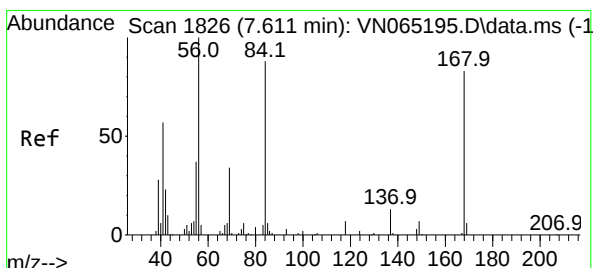
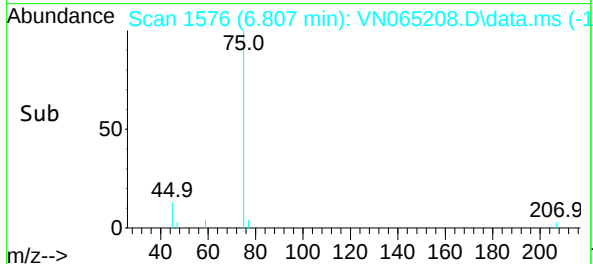
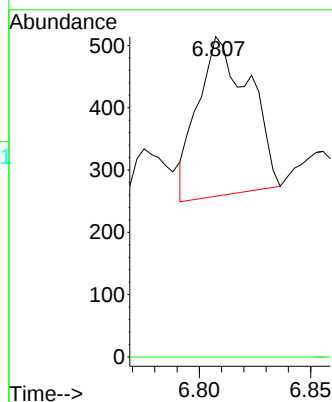
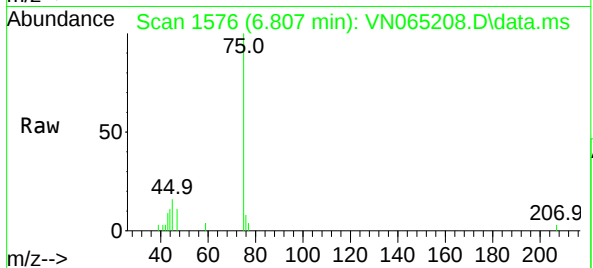




#25
2-Butanone
Concen: 0.27 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.009 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

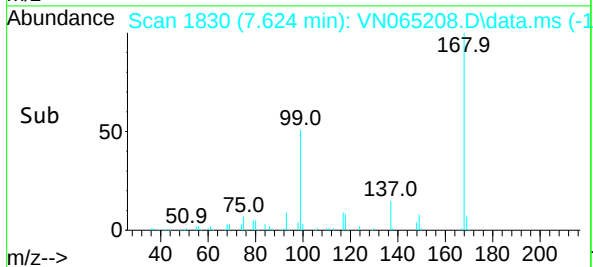
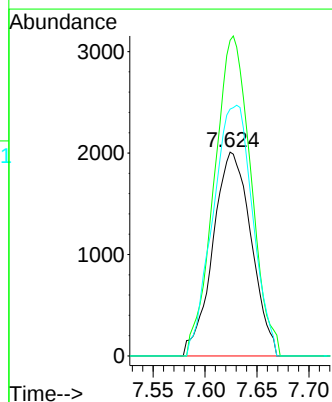
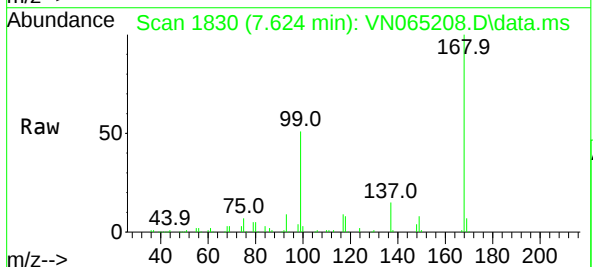
Instrument :
MSVOA_N
ClientSampled :
CGP-3

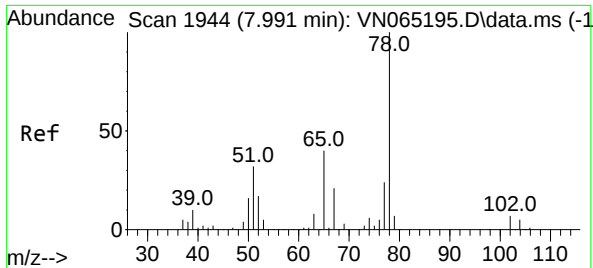
Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 56 Resp: 5144
Ion Ratio Lower Upper
56 100
69 154.9 27.5 41.3#
84 121.2 73.9 110.9#

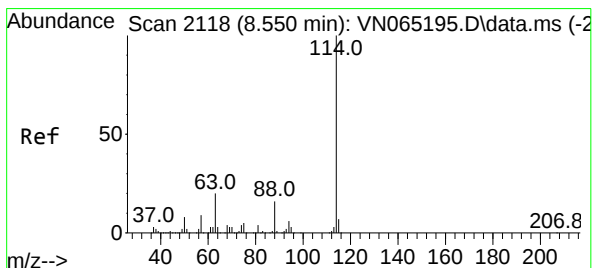
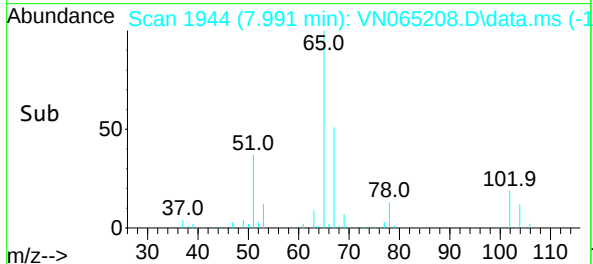
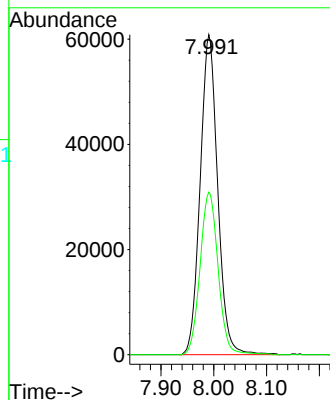
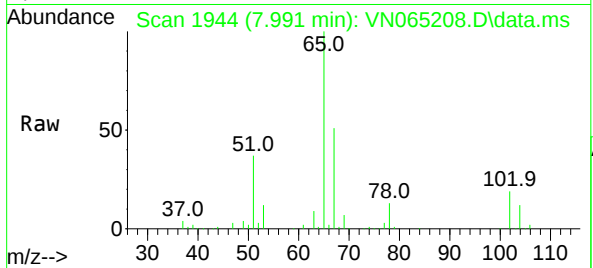




#33
1,2-Dichloroethane-d4
Concen: 52.34 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

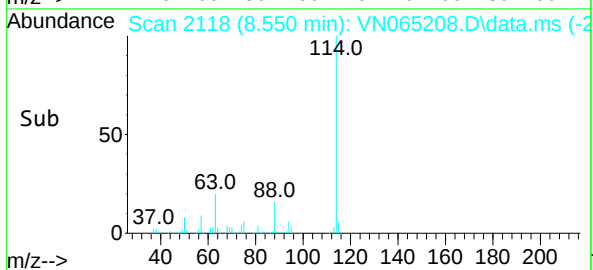
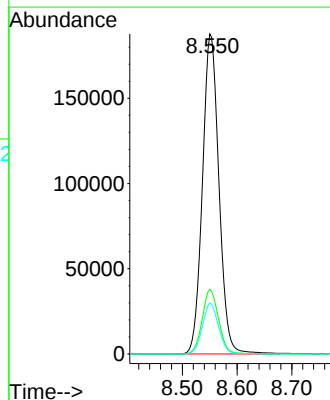
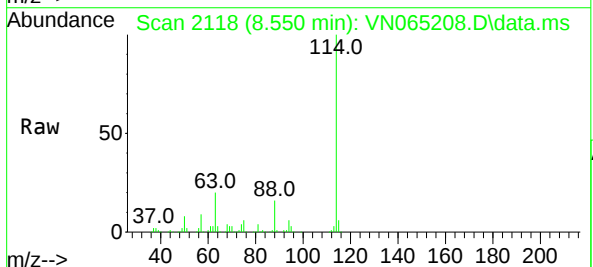
Instrument :
MSVOA_N
ClientSampled :
CGP-3

Tgt Ion: 65 Resp: 140066
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

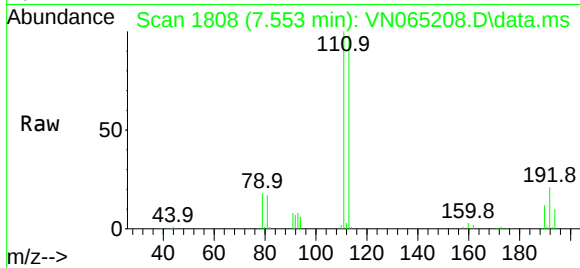
Tgt Ion: 114 Resp: 392780
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 15.9 0.0 32.6



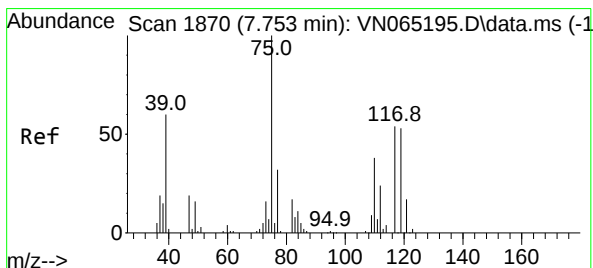
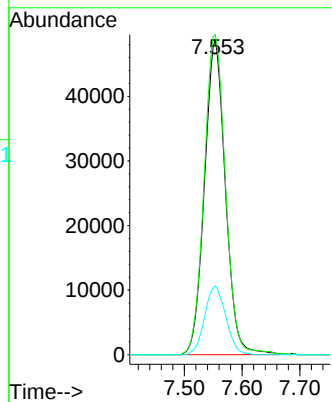
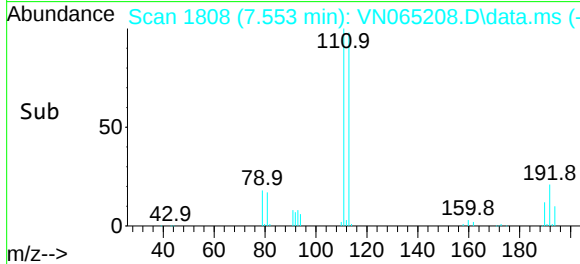


#35
Dibromofluoromethane
Concen: 51.73 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

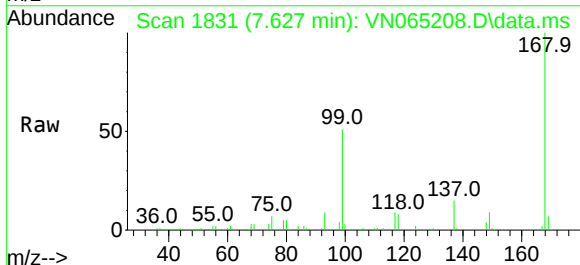
Instrument :
MSVOA_N
ClientSampled :
CGP-3



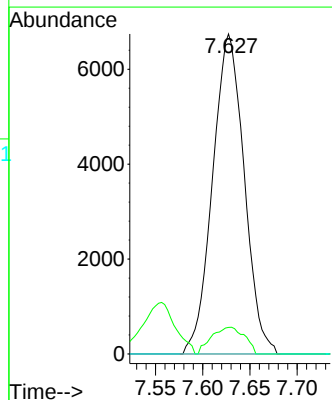
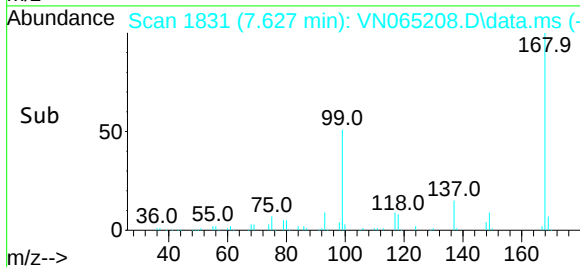
Tgt Ion:113 Resp: 122583
Ion Ratio Lower Upper
113 100
111 104.2 81.6 122.4
192 22.0 16.2 24.2

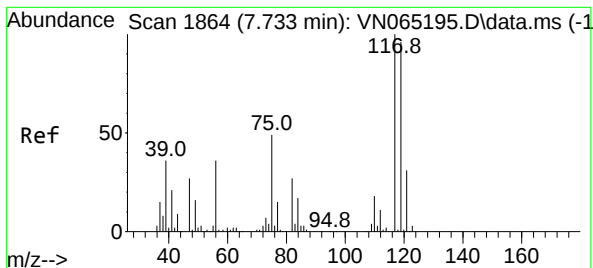


#36
1,1-Dichloropropene
Concen: 4.39 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10



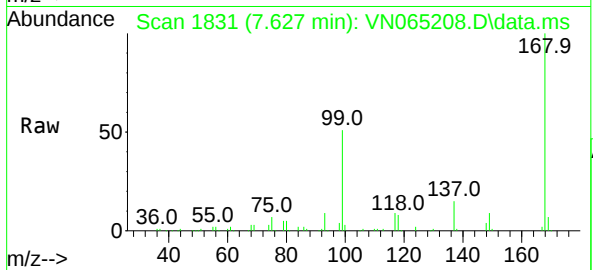
Tgt Ion: 75 Resp: 15675
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 25.0 37.4#



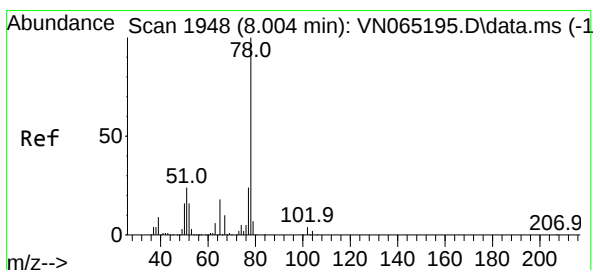
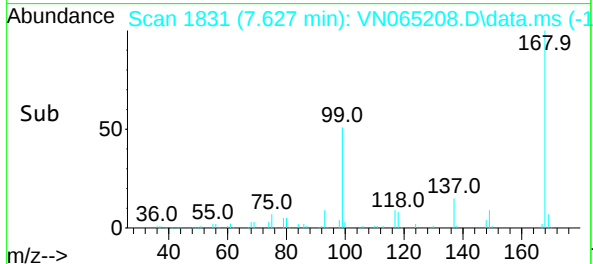
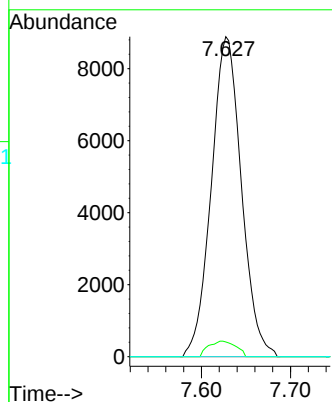


#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Instrument :
MSVOA_N
ClientSampled :
CGP-3

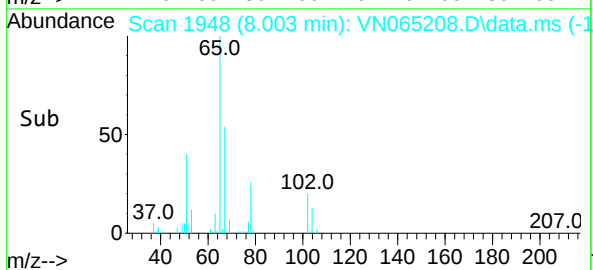
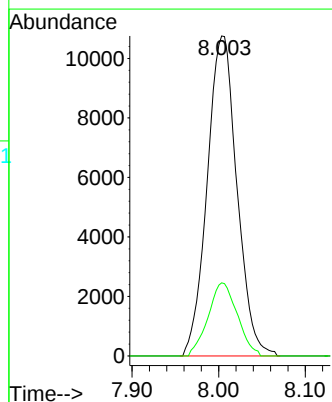
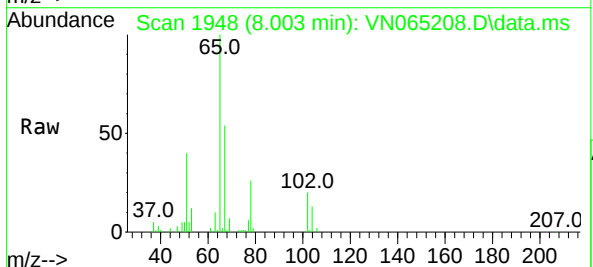


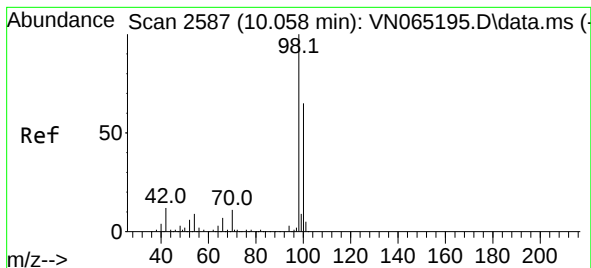
Tgt Ion:117 Resp: 20862
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 25.4 38.2#



#40
Benzene
Concen: 2.42 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 78 Resp: 25692
Ion Ratio Lower Upper
78 100
77 22.8 17.9 26.9

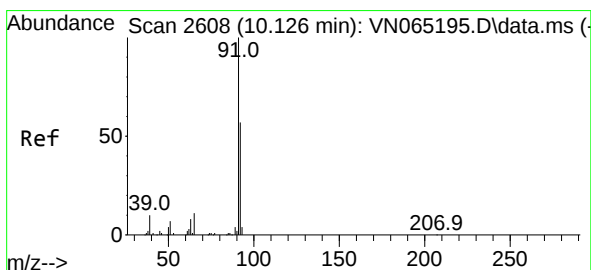
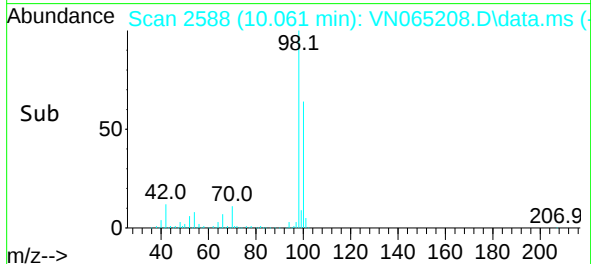
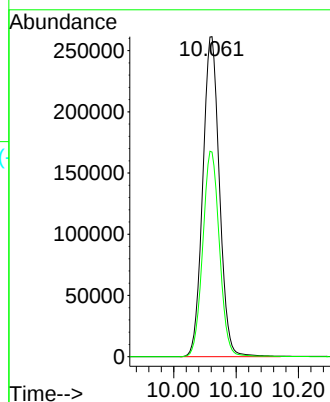
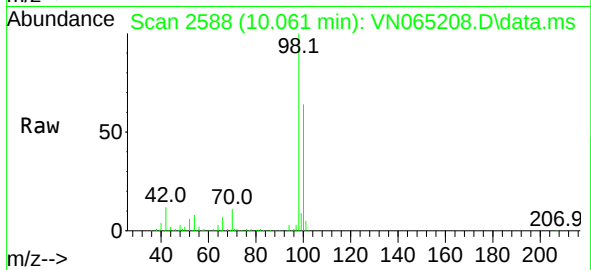




#50
Toluene-d8
Concen: 54.69 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

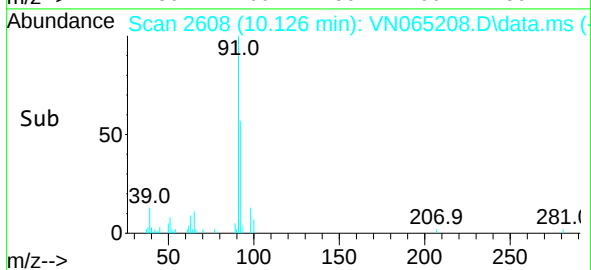
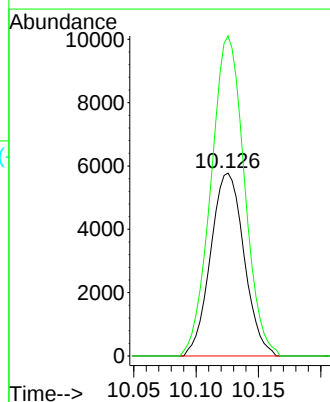
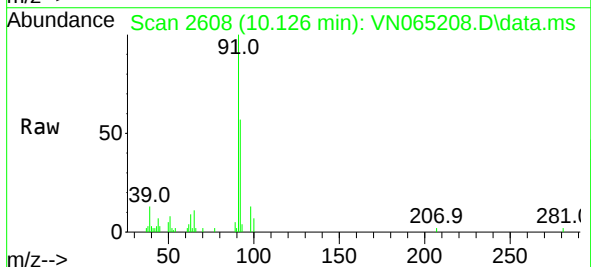
Instrument :
MSVOA_N
ClientSampled :
CGP-3

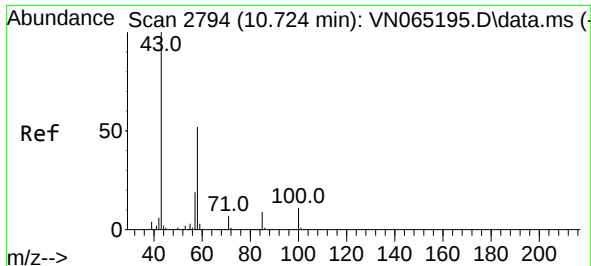
Tgt Ion: 98 Resp: 485744
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#52
Toluene
Concen: 1.61 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 92 Resp: 10810
Ion Ratio Lower Upper
92 100
91 174.4 139.1 208.7

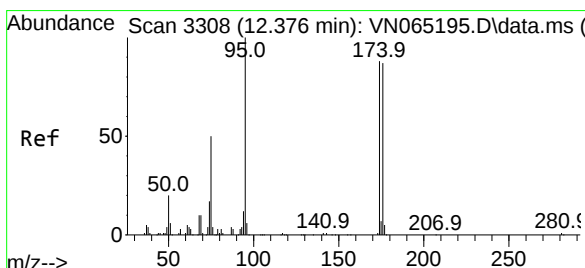
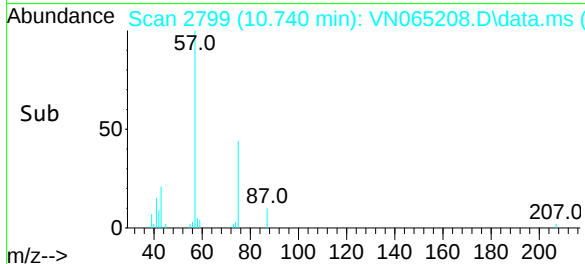
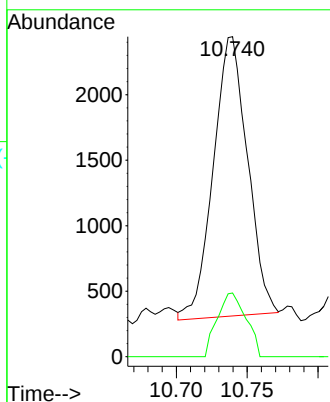
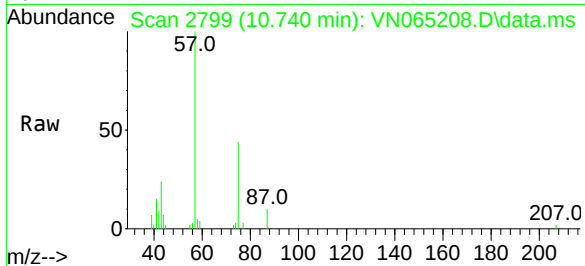




#59
2-Hexanone
Concen: 1.42 ug/l
RT: 10.740 min Scan# 2799
Delta R.T. 0.016 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

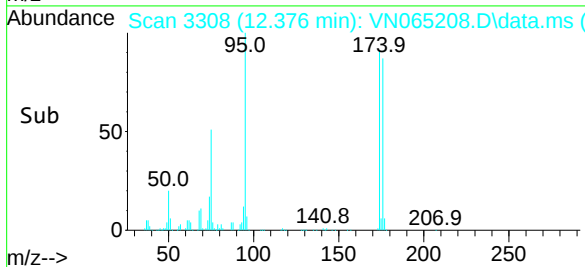
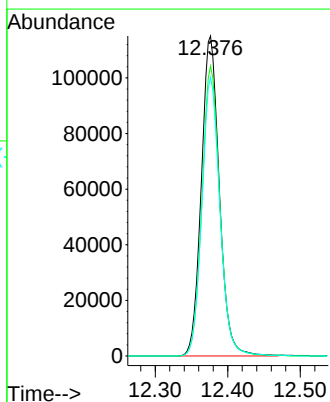
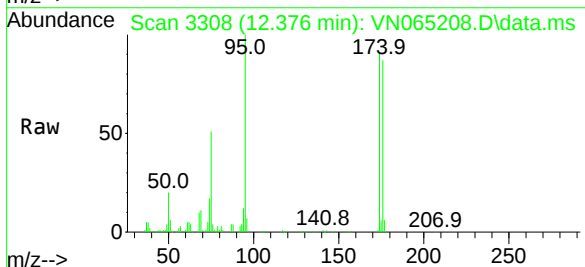
Instrument :
MSVOA_N
ClientSampled :
CGP-3

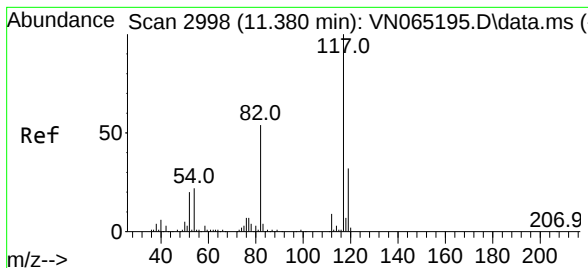
Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.89 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 95 Resp: 198664
Ion Ratio Lower Upper
95 100
174 90.1 0.0 160.4
176 87.1 0.0 158.4

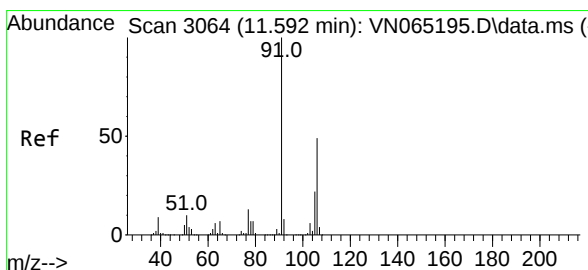
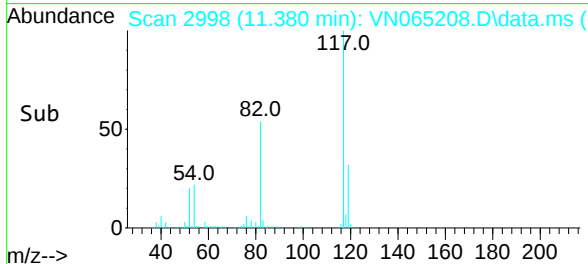
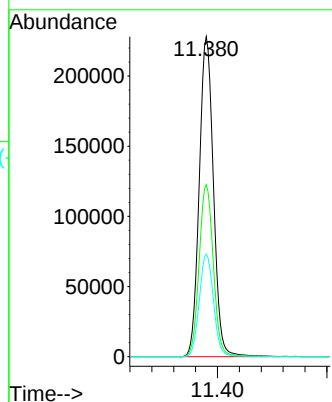
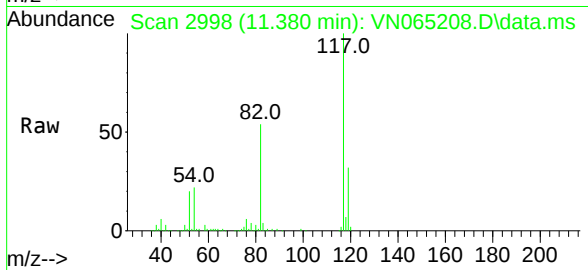




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

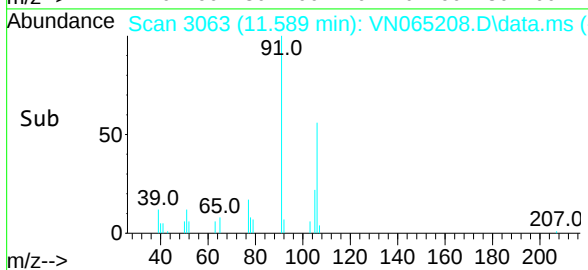
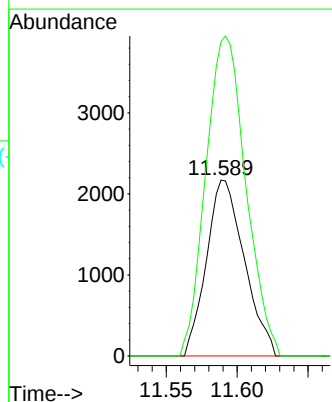
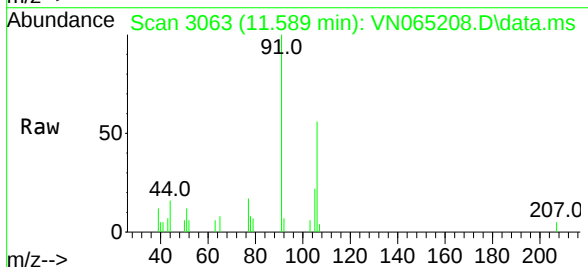
Instrument :
MSVOA_N
ClientSampled :
CGP-3

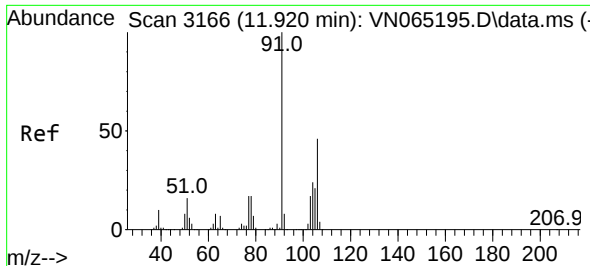
Tgt Ion:117 Resp: 410023
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 0.71 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion:106 Resp: 4029
Ion Ratio Lower Upper
106 100
91 192.1 161.0 241.4

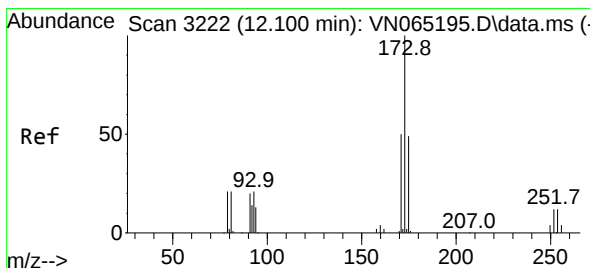
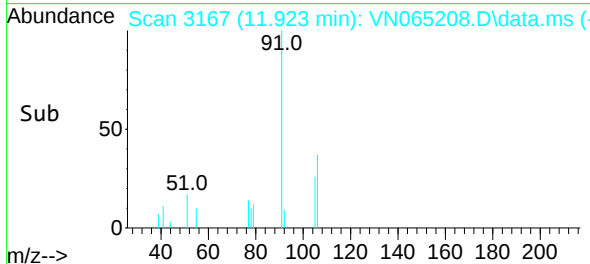
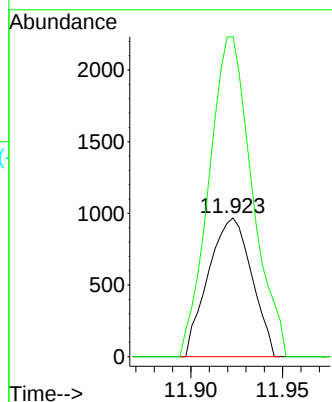
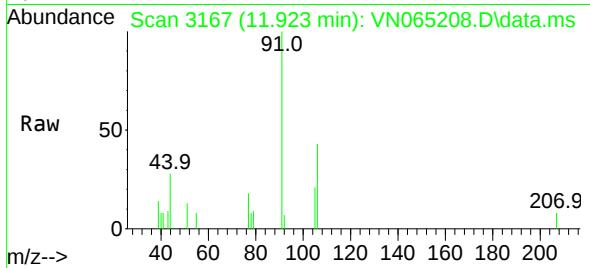




#69
o-Xylene
Concen: 0.29 ug/l
RT: 11.923 min Scan# 3167
Delta R.T. 0.003 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

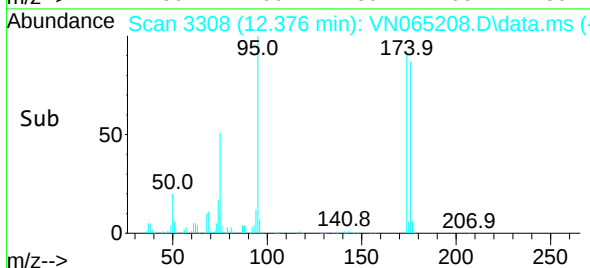
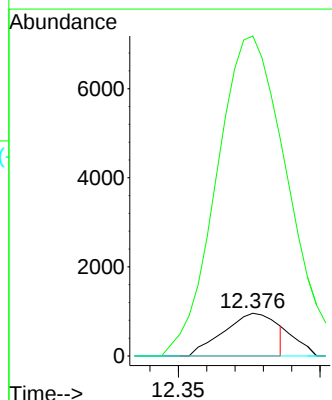
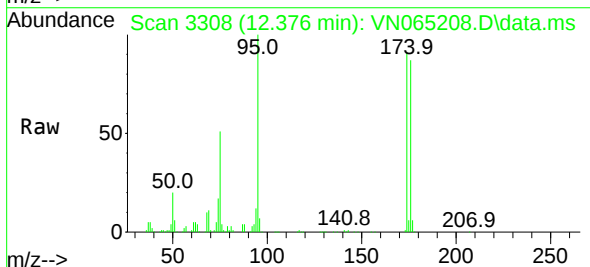
Instrument :
MSVOA_N
ClientSampled :
CGP-3

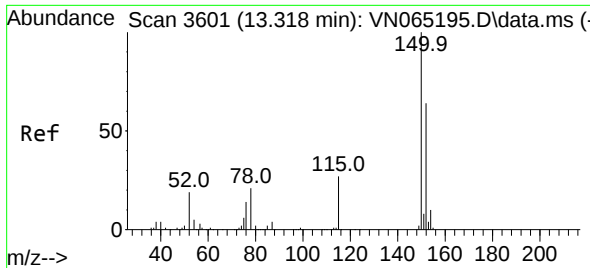
Tgt Ion:106 Resp: 1592
Ion Ratio Lower Upper
106 100
91 229.3 105.5 316.5



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion:173 Resp: 1247
Ion Ratio Lower Upper
173 100
175 827.6 24.3 72.8#
254 0.0 0.0 0.0

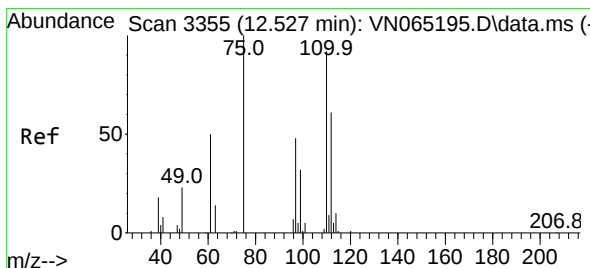
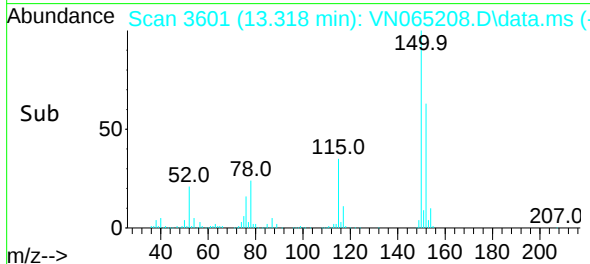
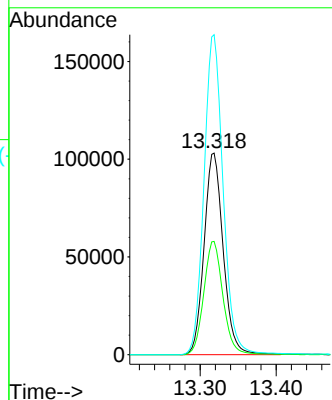
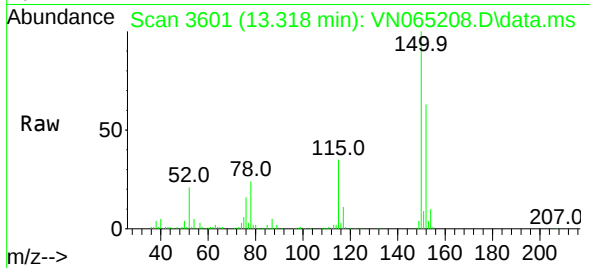




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065208.D
 Acq: 22 Dec 2020 20:10

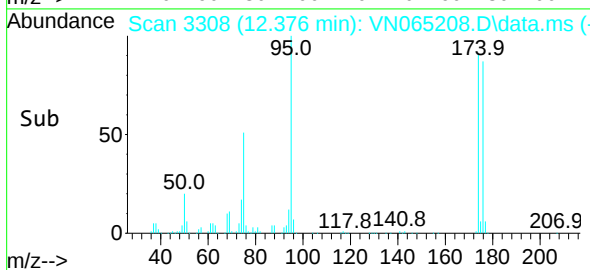
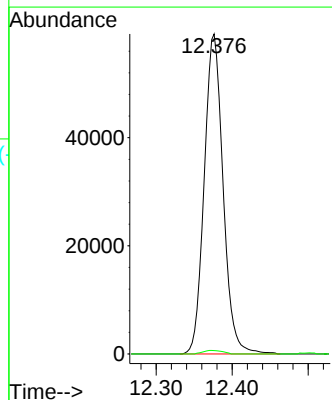
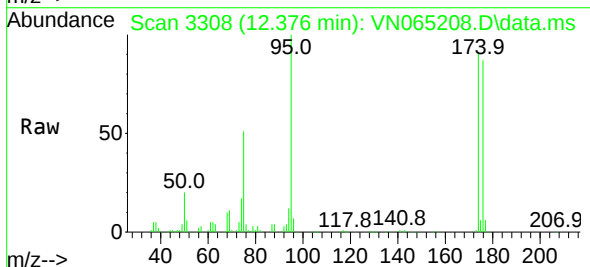
Instrument :
 MSVOA_N
 ClientSampled :
 CGP-3

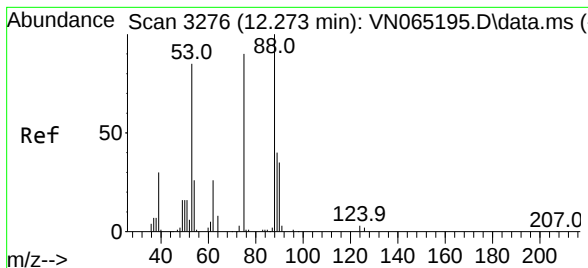
Tgt Ion:152 Resp: 180464
 Ion Ratio Lower Upper
 152 100
 115 56.3 29.7 89.1
 150 159.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 27.72 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065208.D
 Acq: 22 Dec 2020 20:10

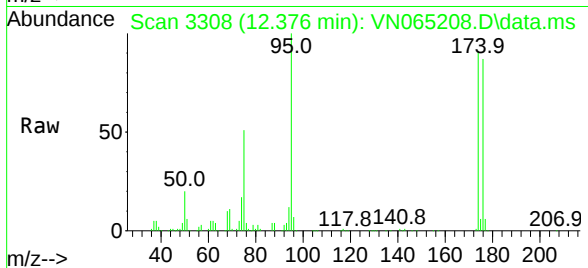
Tgt Ion: 75 Resp: 102041
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



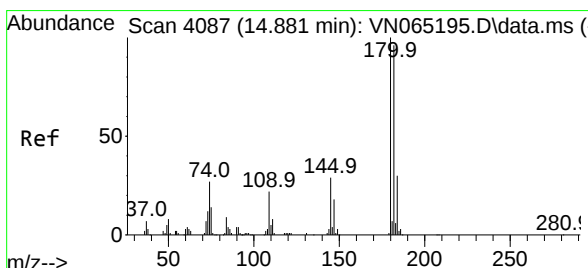
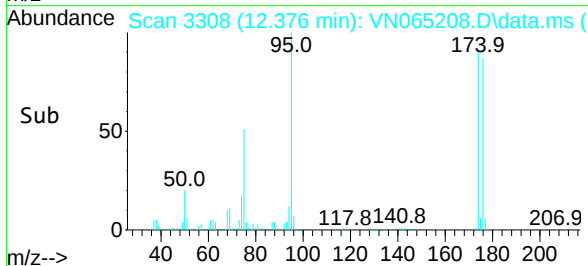
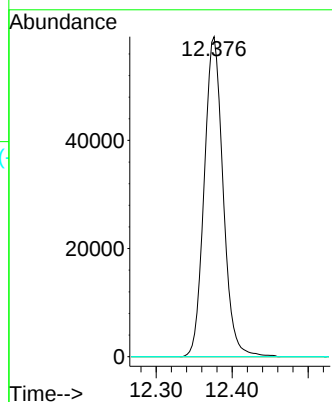


#81
trans-1,4-Dichloro-2-butene
Concen: 69.89 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Instrument :
MSVOA_N
ClientSampleId :
CGP-3

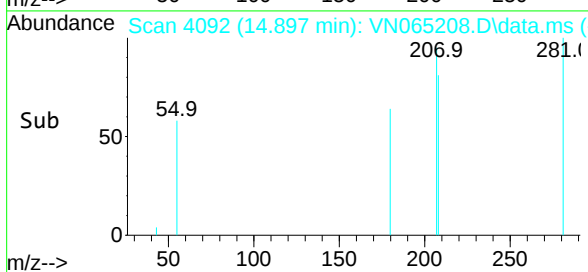
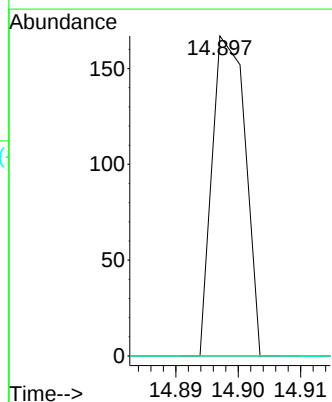
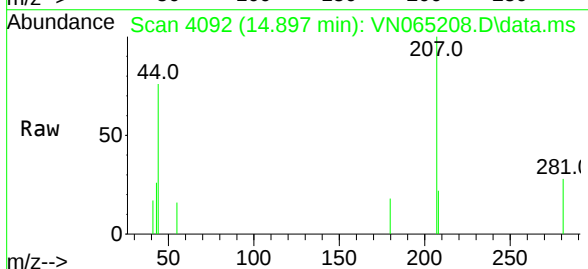


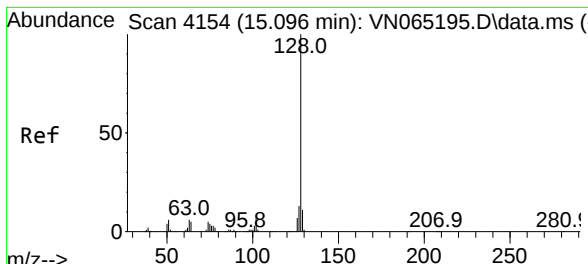
Tgt Ion: 75 Resp: 102041
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.85 ug/l
RT: 14.897 min Scan# 4092
Delta R.T. 0.016 min
Lab File: VN065208.D
Acq: 22 Dec 2020 20:10

Tgt Ion: 180 Resp: 62
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 15.3 45.8#





#95
 Naphthalene
 Concen: 3.41 ug/l
 RT: 15.103 min Scan# 4156
 Delta R.T. 0.007 min
 Lab File: VN065208.D
 Acq: 22 Dec 2020 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 CGP-3

Tgt Ion:	128	Resp:	355
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

