

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065260.D
 Acq On : 24 Dec 2020 14:38
 Operator : JC/MD
 Sample : L5139-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 25 02:37:52 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)

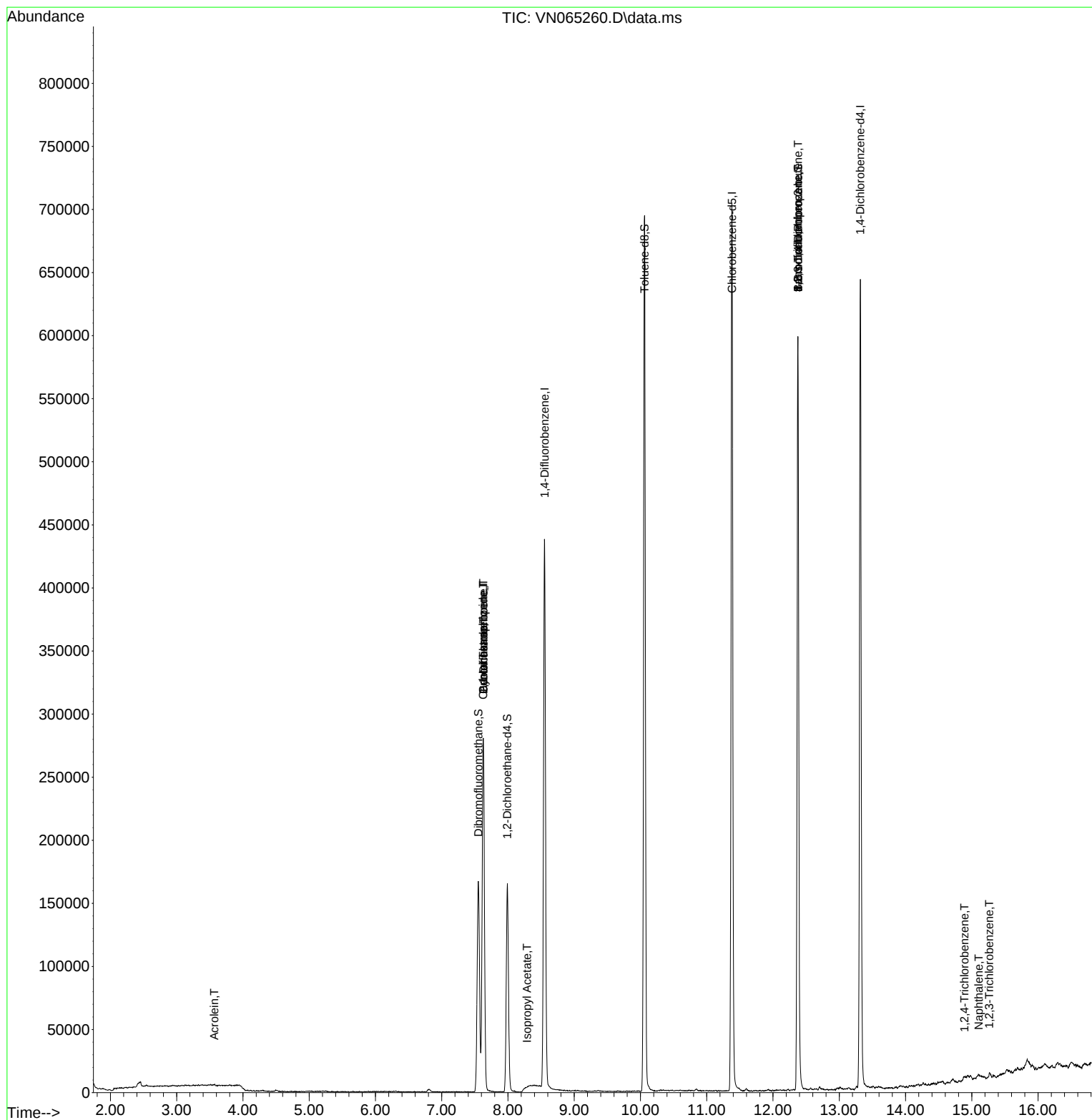
Internal Standards						
1) Pentafluorobenzene	7.627	168	253837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	409272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	433562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	190313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	143591	50.11	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.22%			
35) Dibromofluoromethane	7.553	113	127534	51.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.30%			
50) Toluene-d8	10.061	98	500687	54.10	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.20%			
62) 4-Bromofluorobenzene	12.376	95	204957	55.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.78%			
Target Compounds						Qvalue
13) Acrolein	3.566	56	360	3.54	ug/l #	67
16) Acetone	3.788	43	333	Below Cal	#	43
31) Cyclohexane	7.627	56	4686	1.11	ug/l #	20
36) 1,1-Dichloropropene	7.627	75	16582	4.46	ug/l #	50
38) Carbon Tetrachloride	7.624	117	21863	5.59	ug/l #	15
43) Isopropyl Acetate	8.290	43	5884	0.93	ug/l #	59
71) Bromoform	12.376	173	1090	0.37	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	103405	26.63	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	103405	67.16	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.891	180	790	3.03	ug/l #	87
95) Naphthalene	15.103	128	3080	3.66	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.264	180	948	3.47	ug/l	69

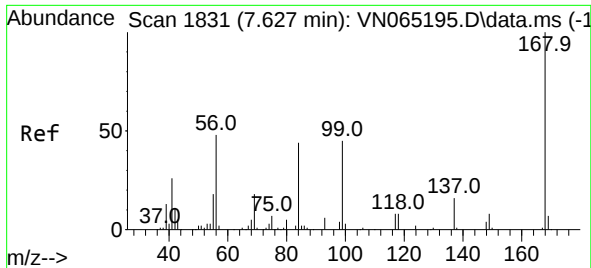
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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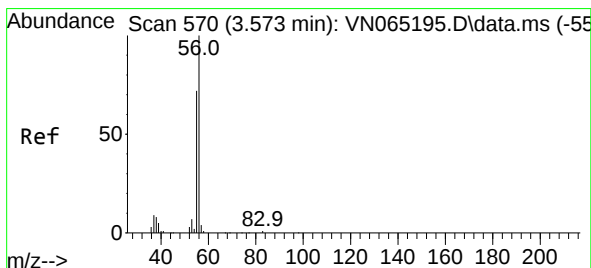
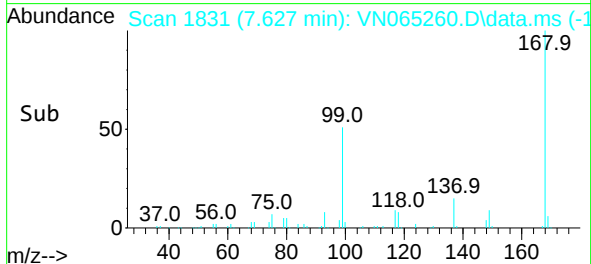
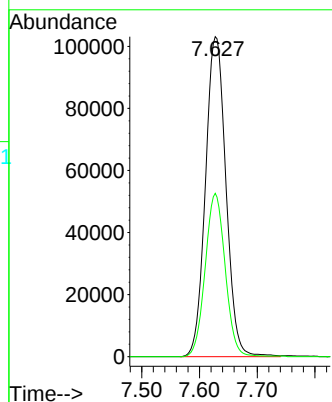
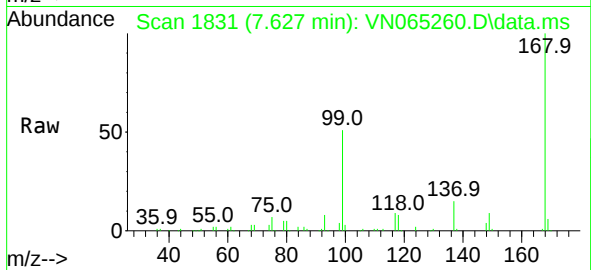




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

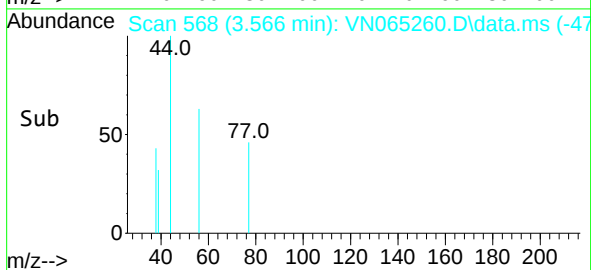
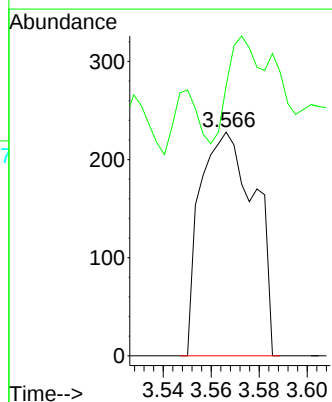
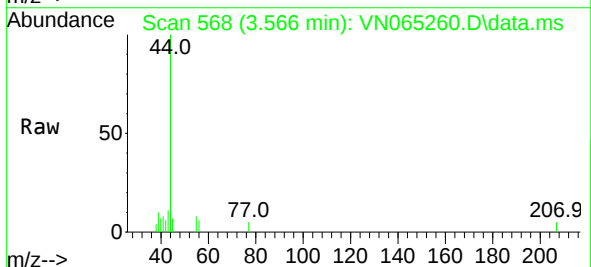
Instrument :
MSVOA_N
ClientSampled :

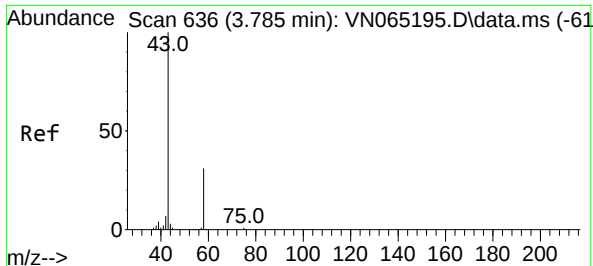
Tgt Ion:168 Resp: 253837
Ion Ratio Lower Upper
168 100
99 51.1 43.0 64.4



#13
Acrolein
Concen: 3.54 ug/l
RT: 3.566 min Scan# 568
Delta R.T. -0.007 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 43.1 56.5 84.7#

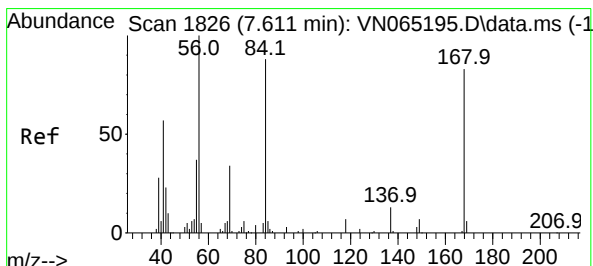
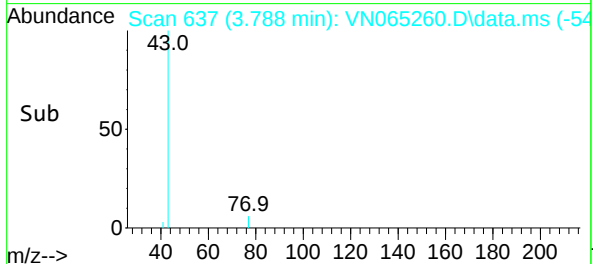
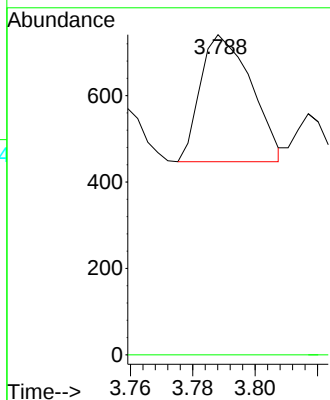
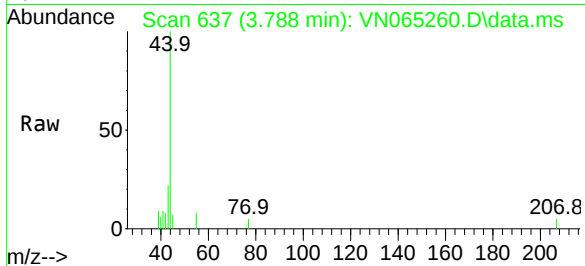




#16
Acetone
Concen: Below Cal
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

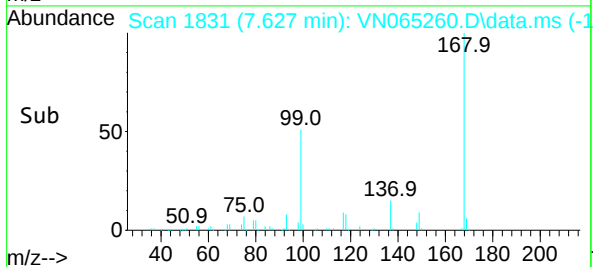
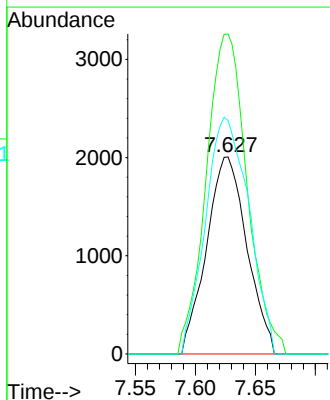
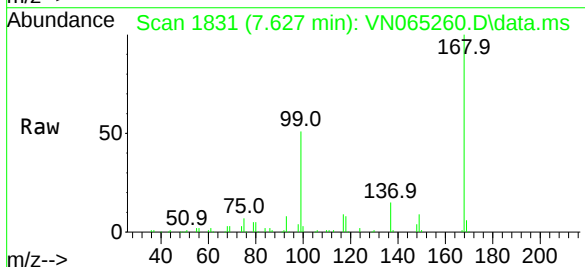
Instrument :
MSVOA_N
ClientSampleId :

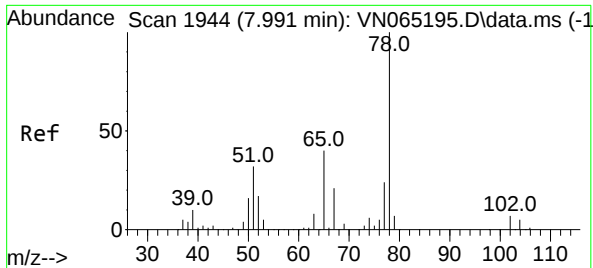
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion: 56 Resp: 4686
Ion Ratio Lower Upper
56 100
69 162.5 27.5 41.3#
84 118.5 73.9 110.9#

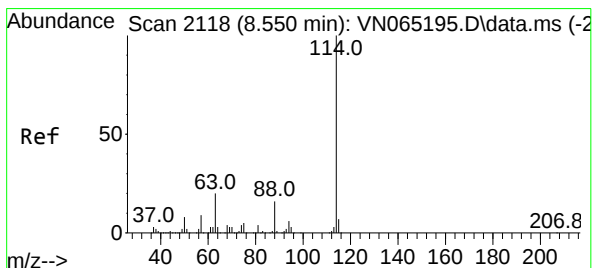
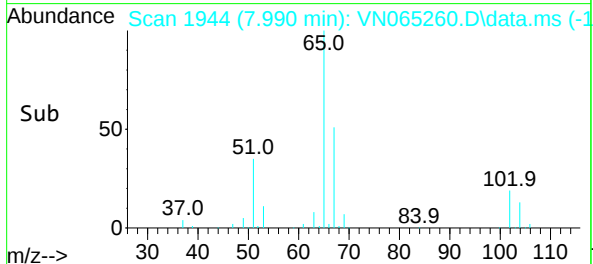
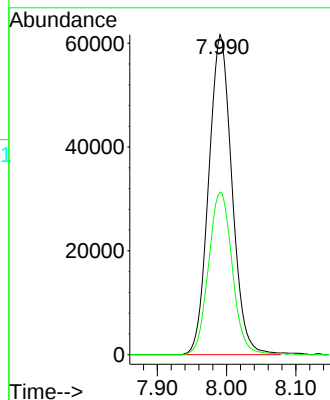
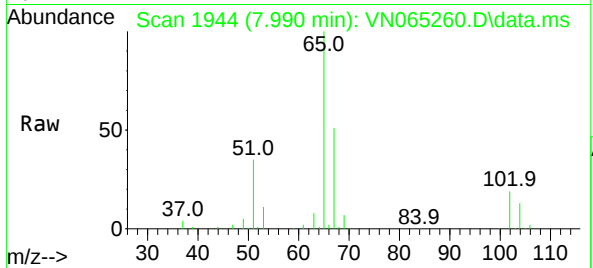




#33
1,2-Dichloroethane-d4
Concen: 50.11 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

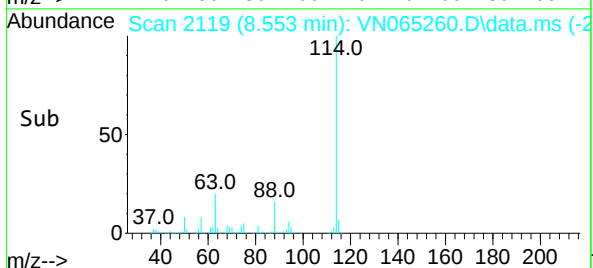
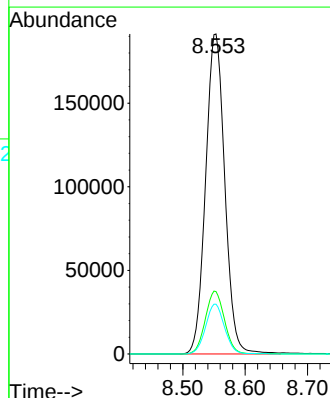
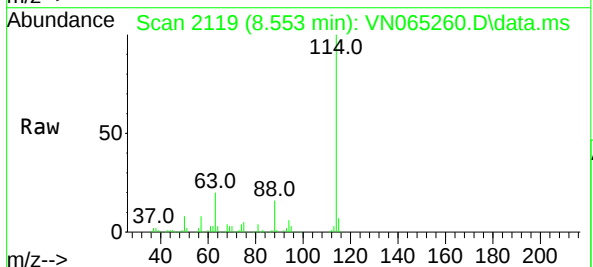
Instrument :
MSVOA_N
ClientSampled :

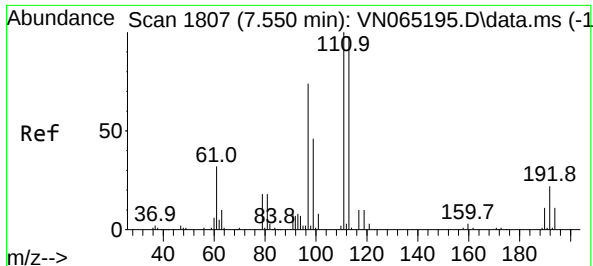
Tgt Ion: 65 Resp: 143591
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion: 114 Resp: 409272
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 15.6 0.0 32.6

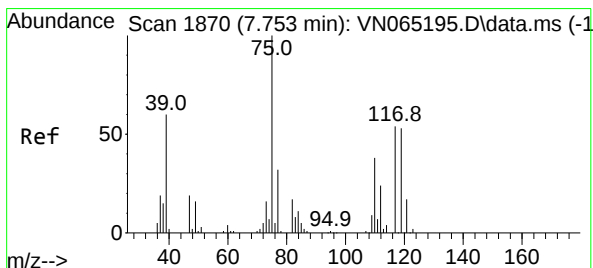
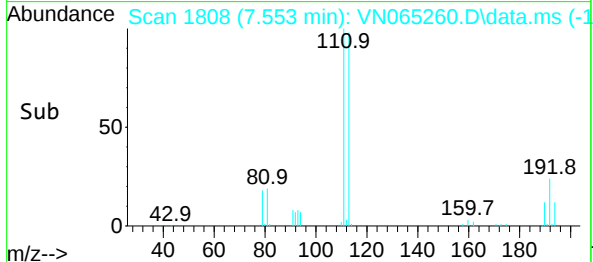
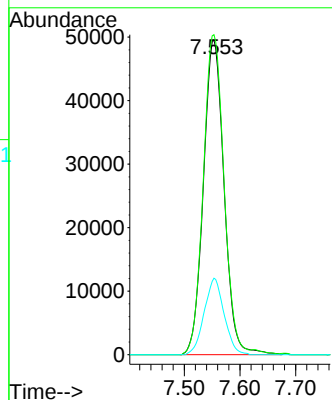
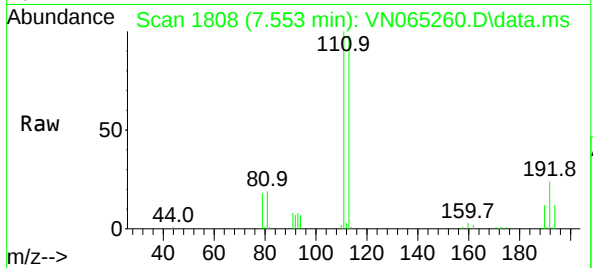




#35
Dibromofluoromethane
Concen: 51.65 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

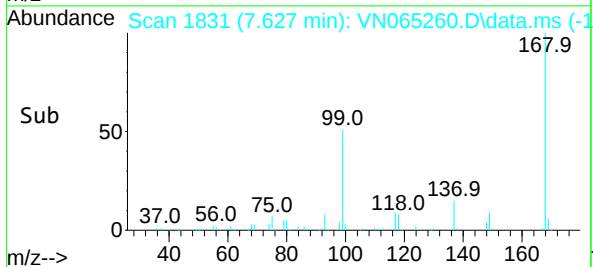
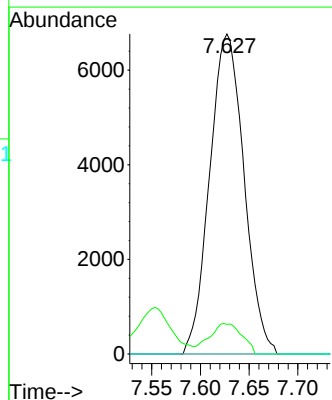
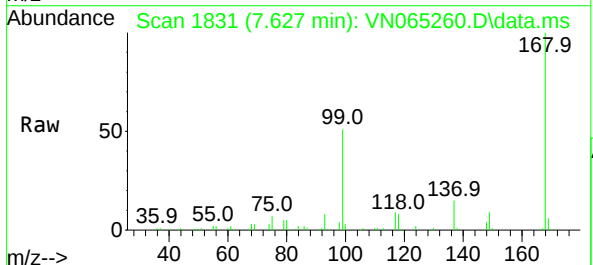
Instrument :
MSVOA_N
ClientSampleId :

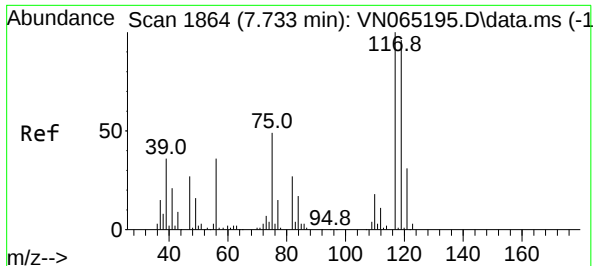
Tgt Ion:113 Resp: 127534
Ion Ratio Lower Upper
113 100
111 101.7 81.6 122.4
192 23.4 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

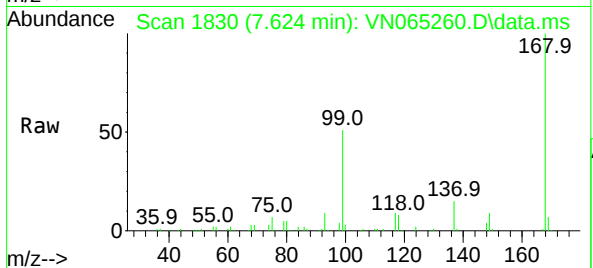
Tgt Ion: 75 Resp: 16582
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



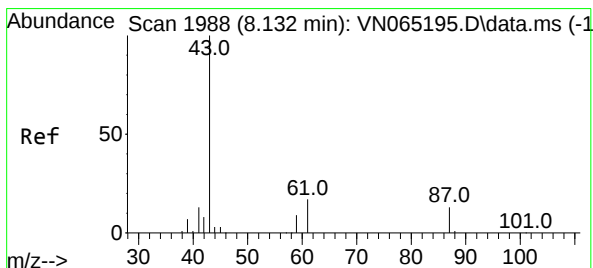
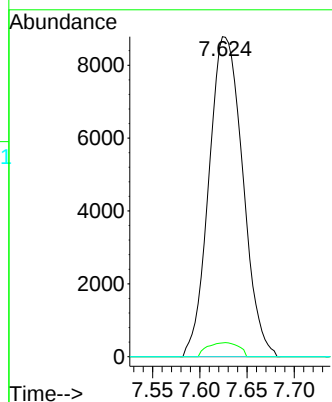
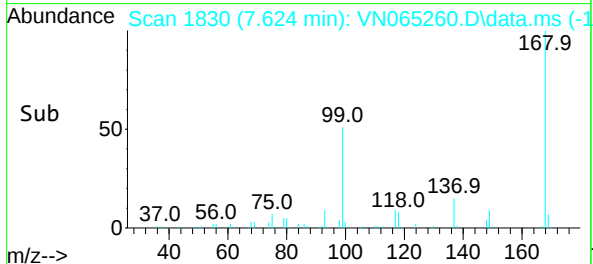


#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.109 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

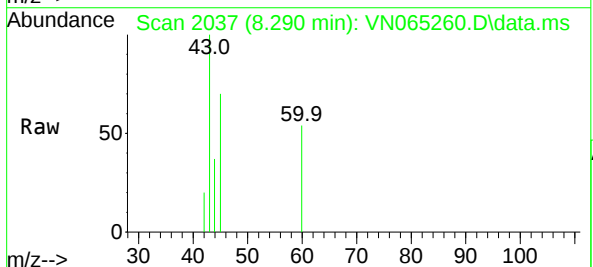
Instrument :
MSVOA_N
ClientSampled :



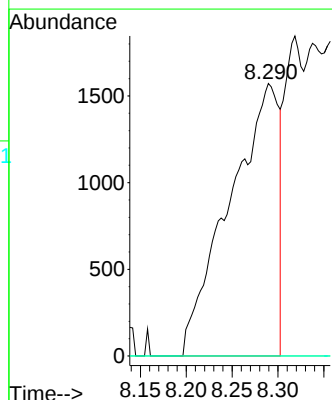
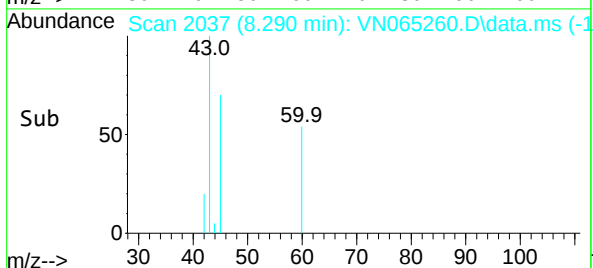
Tgt Ion:117 Resp: 21863
Ion Ratio Lower Upper
117 100
119 4.3 76.7 115.1#
121 0.0 25.4 38.2#

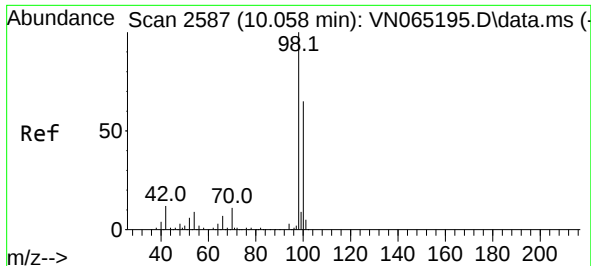


#43
Isopropyl Acetate
Concen: 0.93 ug/l
RT: 8.290 min Scan# 2037
Delta R.T. 0.158 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38



Tgt Ion: 43 Resp: 5884
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#

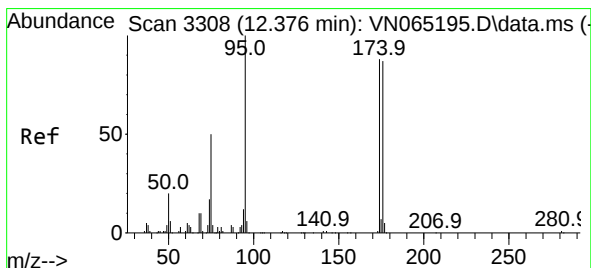
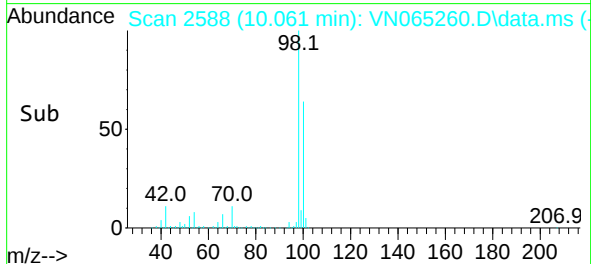
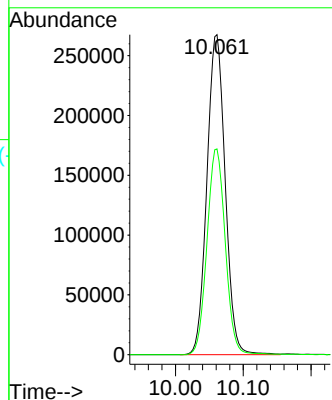
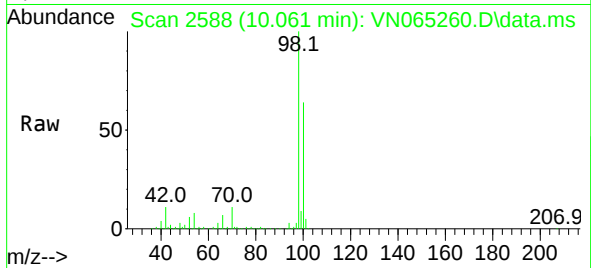




#50
Toluene-d8
Concen: 54.10 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

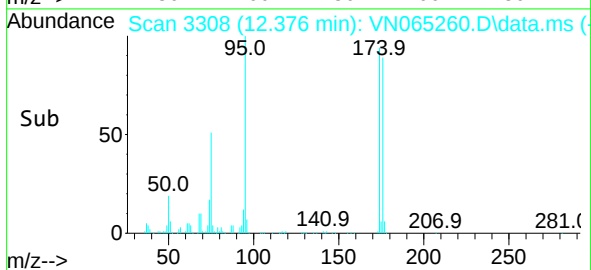
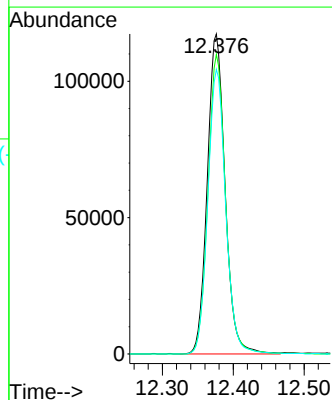
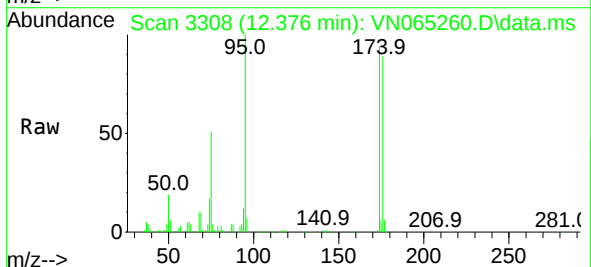
Instrument :
MSVOA_N
ClientSampled :

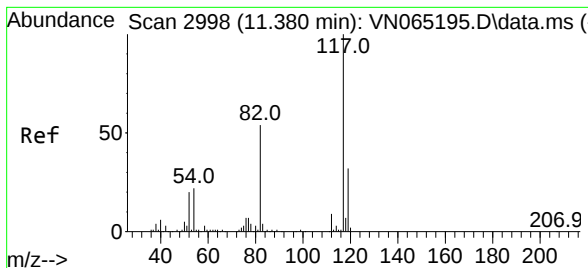
Tgt Ion: 98 Resp: 500687
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 55.39 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion: 95 Resp: 204957
Ion Ratio Lower Upper
95 100
174 92.6 0.0 160.4
176 89.0 0.0 158.4

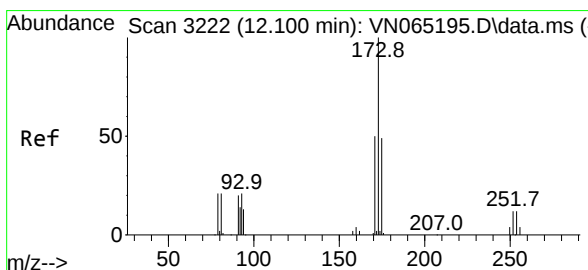
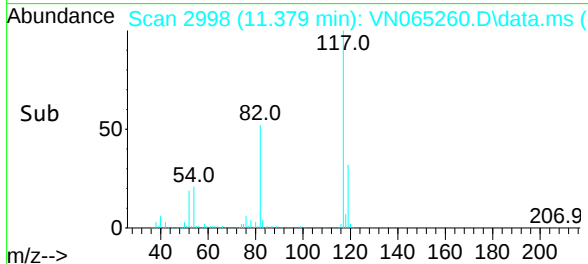
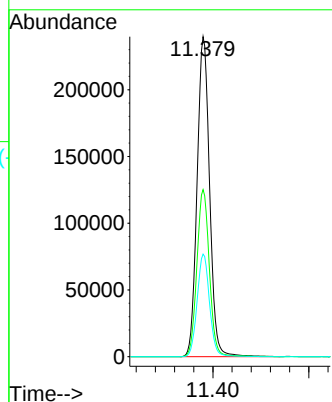
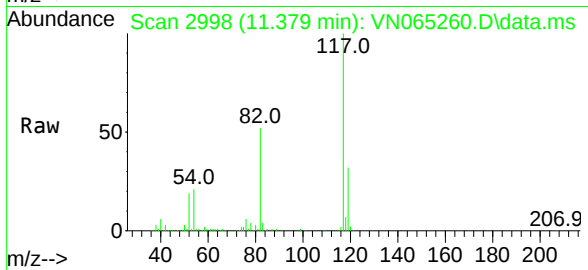




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

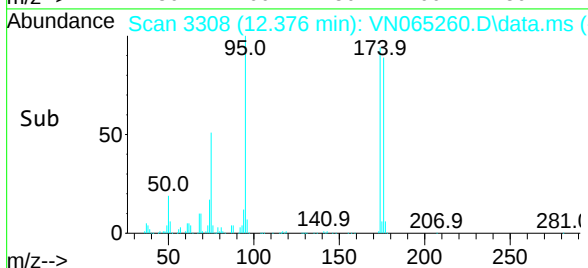
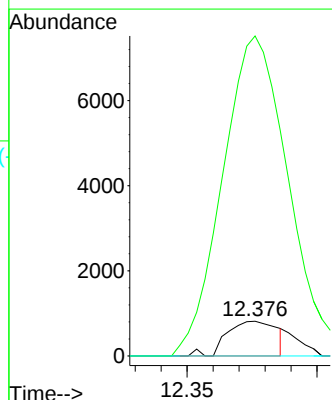
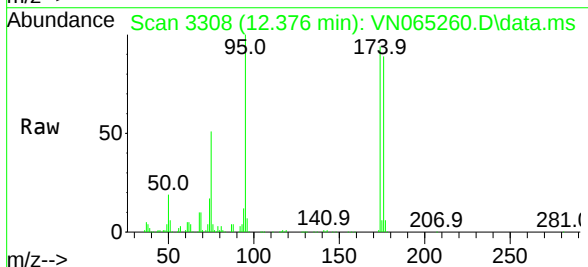
Instrument :
MSVOA_N
ClientSampleId :

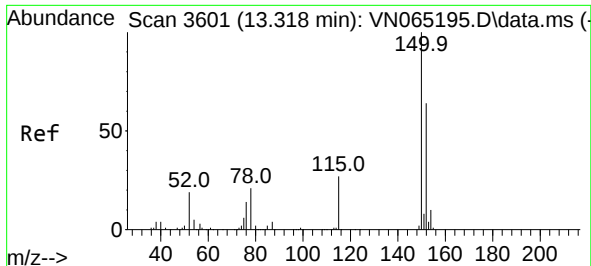
Tgt Ion:117 Resp: 433562
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.37 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion:173 Resp: 1090
Ion Ratio Lower Upper
173 100
175 990.6 24.3 72.8#
254 0.0 0.0 0.0

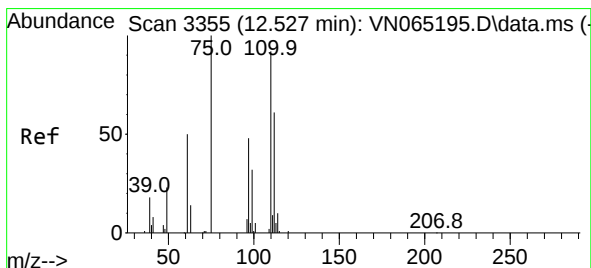
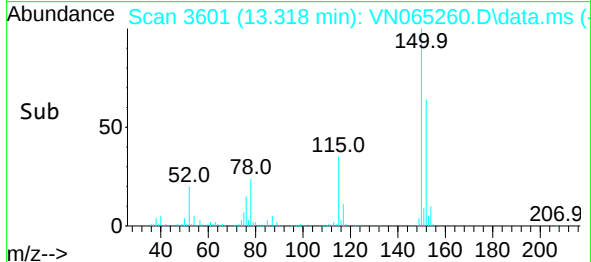
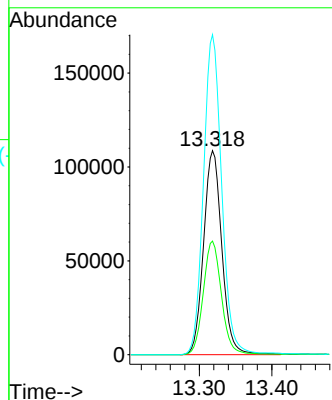
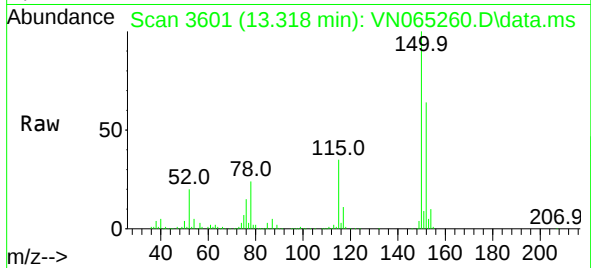




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

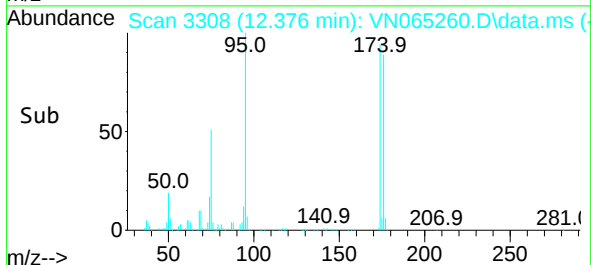
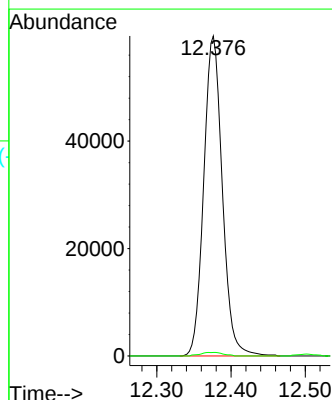
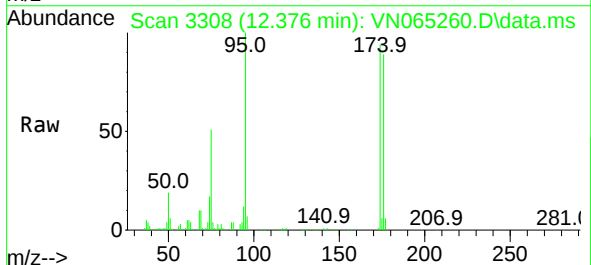
Instrument :
MSVOA_N
ClientSampleId :

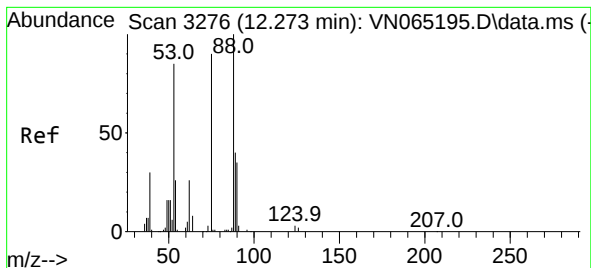
Tgt Ion:152 Resp: 190313
Ion Ratio Lower Upper
152 100
115 55.7 29.7 89.1
150 155.8 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 26.63 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion: 75 Resp: 103405
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

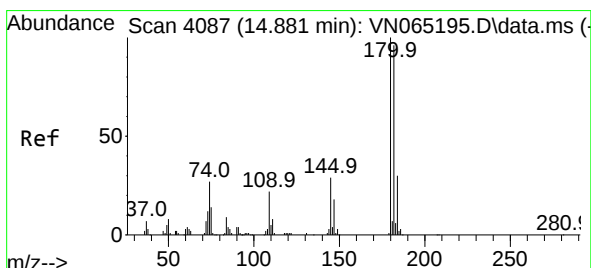
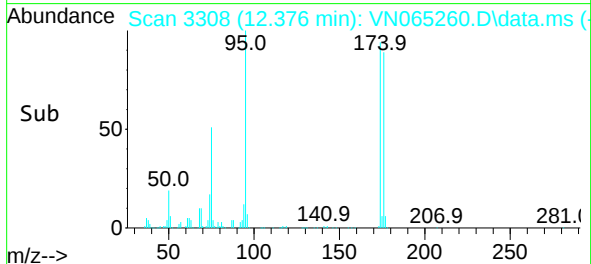
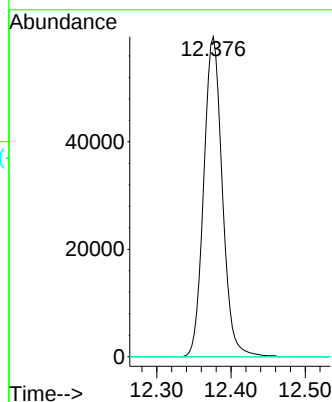
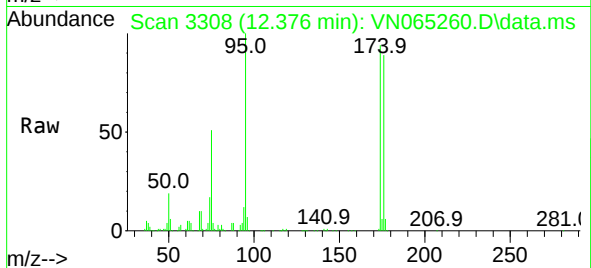




#81
trans-1,4-Dichloro-2-butene
Concen: 67.16 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

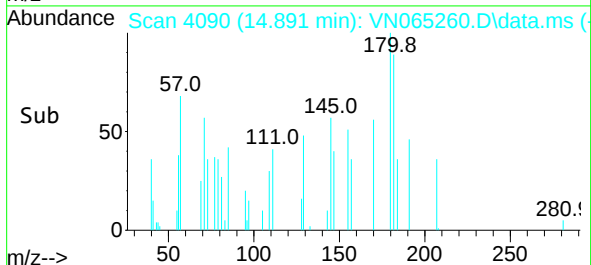
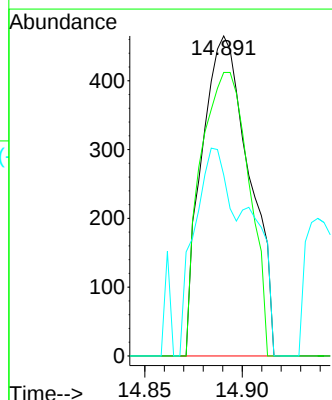
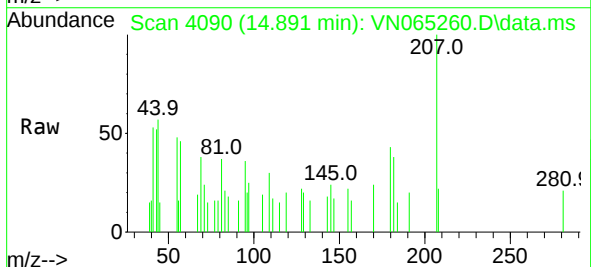
Instrument :
MSVOA_N
ClientSampled :

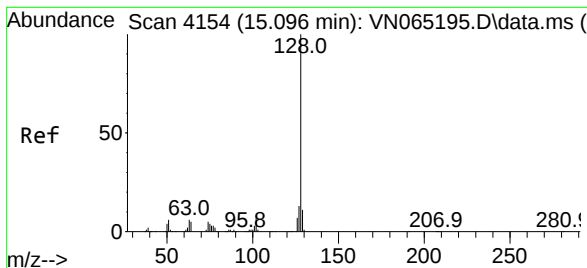
Tgt Ion: 75 Resp: 103405
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.03 ug/l
RT: 14.891 min Scan# 4090
Delta R.T. 0.010 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion:180 Resp: 790
Ion Ratio Lower Upper
180 100
182 89.6 47.6 142.9
145 50.6 15.3 45.8#

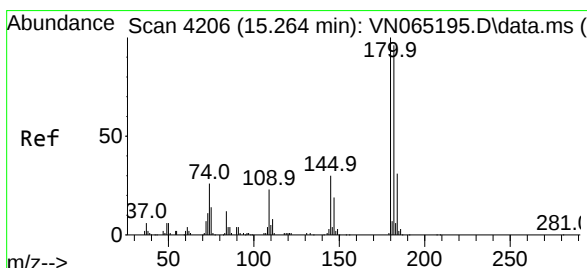
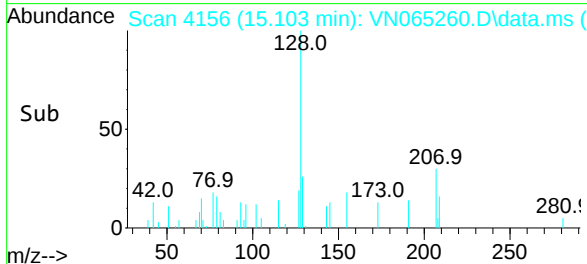
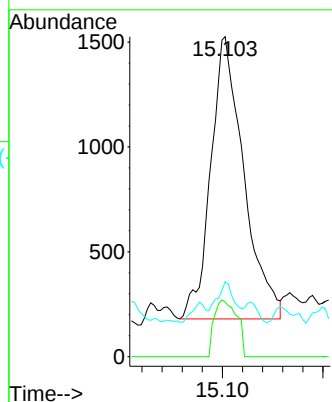
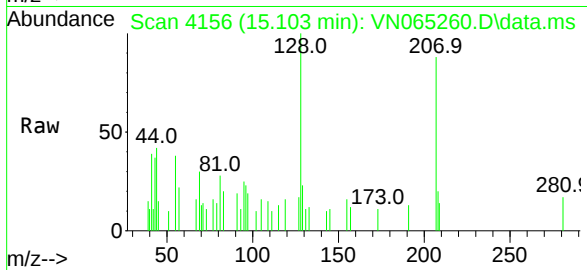




#95
Naphthalene
Concen: 3.66 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 3080
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 4.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.47 ug/l
RT: 15.264 min Scan# 4206
Delta R.T. -0.000 min
Lab File: VN065260.D
Acq: 24 Dec 2020 14:38

Tgt Ion:180 Resp: 948
Ion Ratio Lower Upper
180 100
182 135.9 48.1 144.4
145 32.0 16.4 49.1

