

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065328.D
 Acq On : 30 Dec 2020 18:26
 Operator : JC/MD
 Sample : PB133547ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:05:13 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	7.631	168	396272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	573368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	521626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	209505	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	208212	46.54	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.08%		
35) Dibromofluoromethane	7.557	113	171701	49.64	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.28%		
50) Toluene-d8	10.061	98	685035	52.84	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.68%		
62) 4-Bromofluorobenzene	12.376	95	224170	44.36	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.72%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.763	59	362	0.49	ug/l #	73
18) Methyl Acetate	4.300	43	1280	0.32	ug/l #	50
20) Methylene Chloride	4.512	84	20172	4.62	ug/l	99
25) 2-Butanone	6.814	43	9858	3.93	ug/l	97
29) Tetrahydrofuran	7.180	42	962	0.59	ug/l #	37
31) Cyclohexane	7.631	56	6436	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.631	75	25041	4.80	ug/l #	49
37) Ethyl Acetate	6.814	43	9858	1.91	ug/l #	66
38) Carbon Tetrachloride	7.631	117	33682	6.15	ug/l #	16
43) Isopropyl Acetate	8.139	43	26369	2.96	ug/l	95
45) 1,2-Dichloropropane	9.238	63	1624	0.40	ug/l #	43
48) Methyl methacrylate	9.148	41	7185	1.66	ug/l #	12
51) 4-Methyl-2-Pentanone	9.959	43	5886	1.18	ug/l	92
54) cis-1,3-Dichloropropene	9.875	75	45107	6.52	ug/l #	60
57) 1,3-Dichloropropane	10.737	76	24739	3.88	ug/l #	42
59) 2-Hexanone	10.737	43	339114	92.12	ug/l #	49
71) Bromoform	12.376	173	1507	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	111524	26.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	111524	65.79	ug/l #	15

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

Quant Time: Dec 31 03:05:13 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

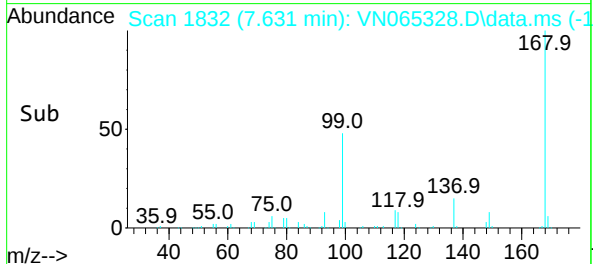
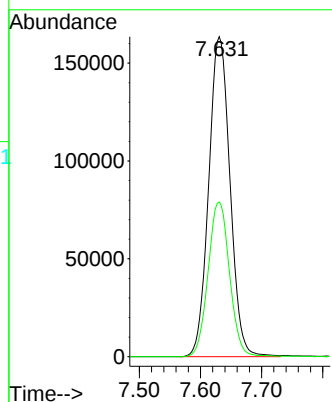
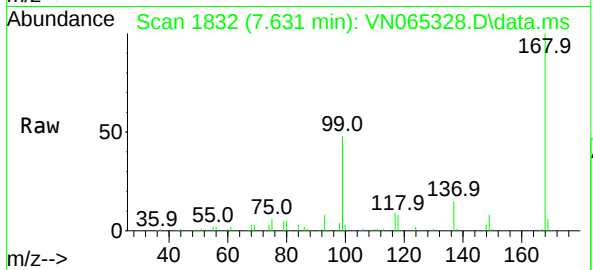




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

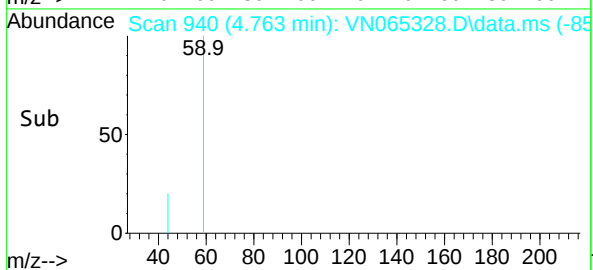
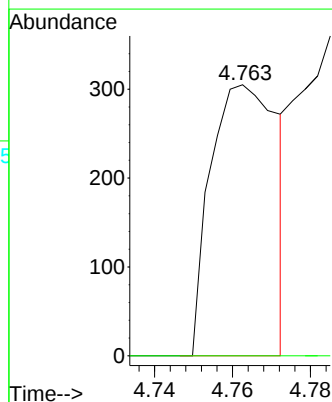
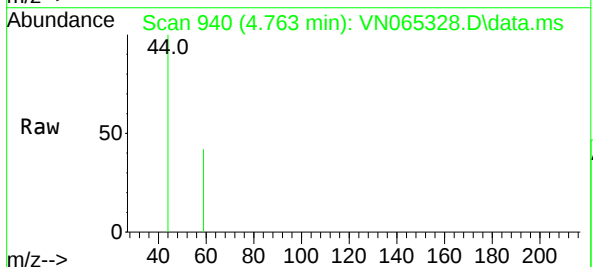
Instrument :
MSVOA_N
ClientSampled :

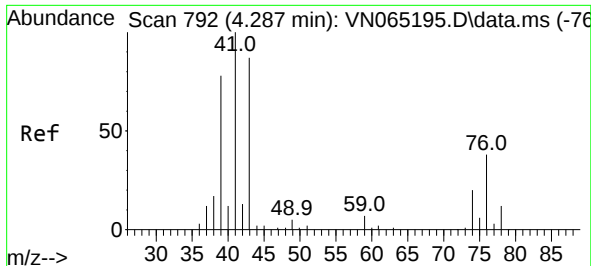
Tgt Ion:168 Resp: 396272
Ion Ratio Lower Upper
168 100
99 48.3 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.49 ug/l
RT: 4.763 min Scan# 940
Delta R.T. -0.009 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

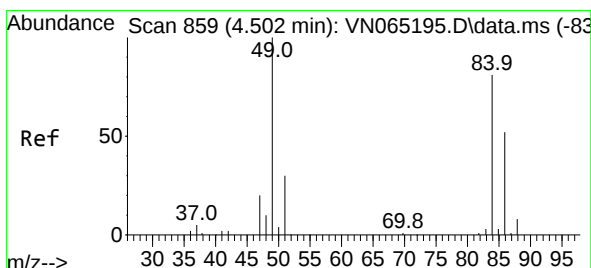
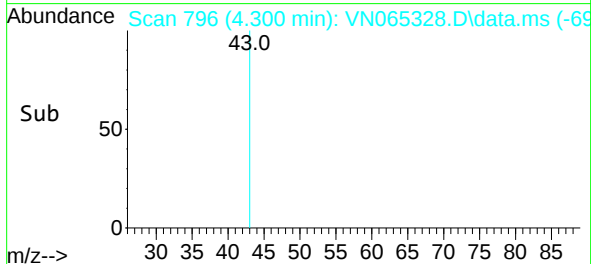
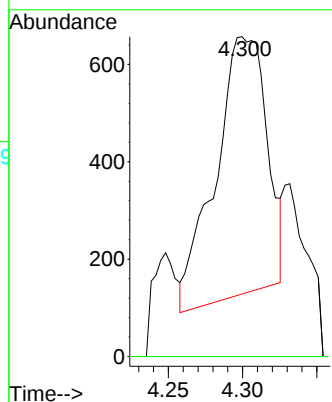
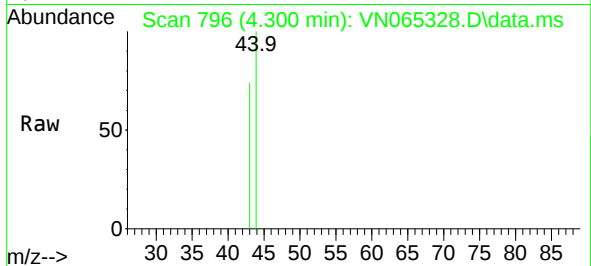




#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.300 min Scan# 796
Delta R.T. 0.013 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

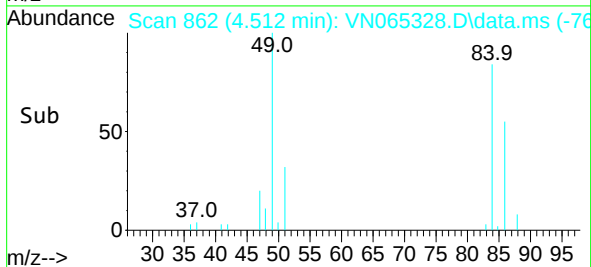
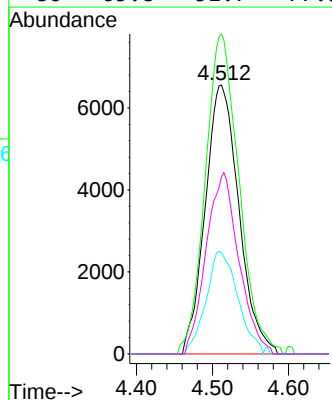
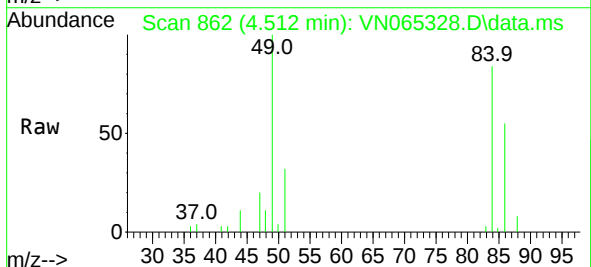
Instrument :
MSVOA_N
ClientSampled :

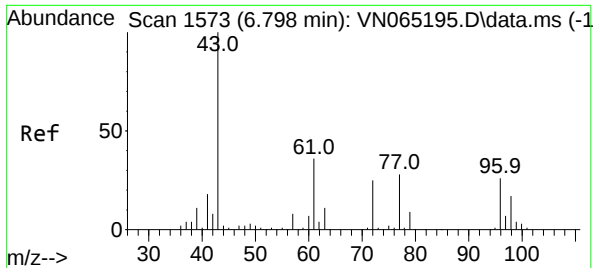
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 4.62 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 84 Resp: 20172
Ion Ratio Lower Upper
84 100
49 116.5 93.4 140.0
51 37.7 28.2 42.4
86 65.8 51.7 77.5

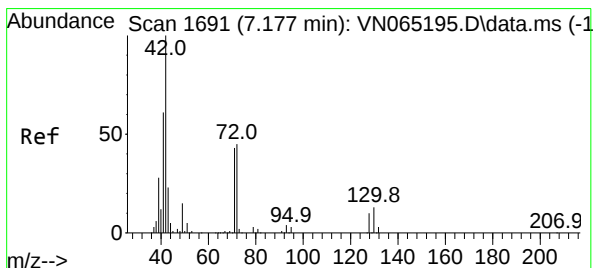
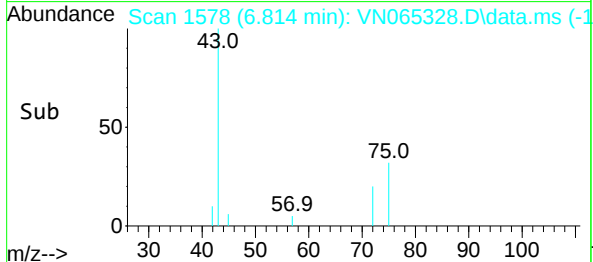
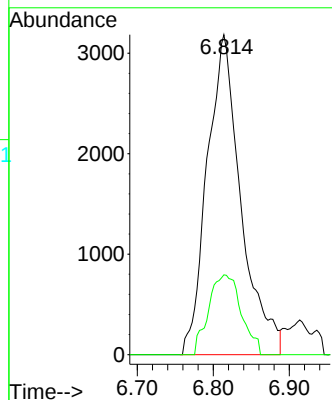
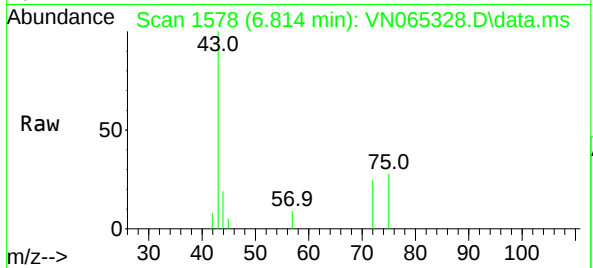




#25
2-Butanone
Concen: 3.93 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

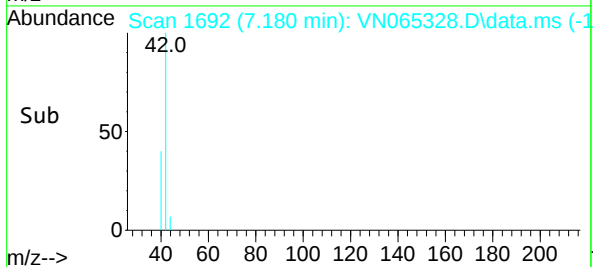
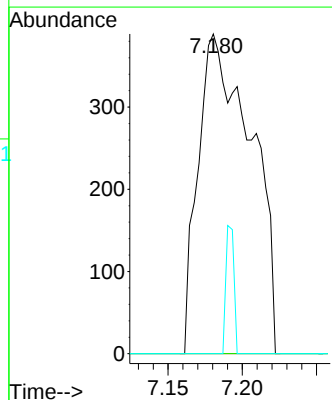
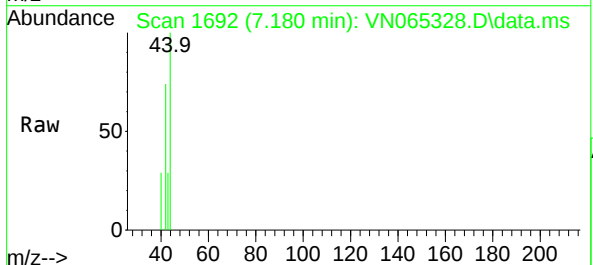
Instrument :
MSVOA_N
ClientSampled :

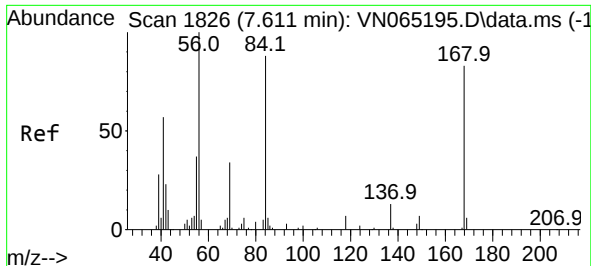
Tgt Ion: 43 Resp: 9858
Ion Ratio Lower Upper
43 100
72 25.0 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.59 ug/l
RT: 7.180 min Scan# 1692
Delta R.T. 0.003 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

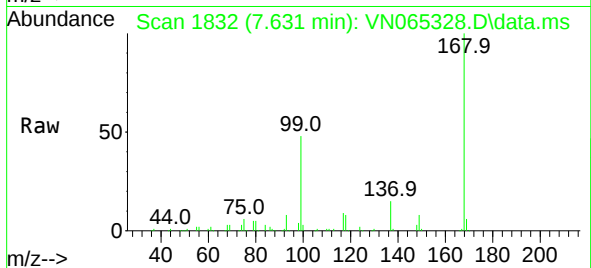
Tgt Ion: 42 Resp: 962
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 6.1 33.6 50.4#



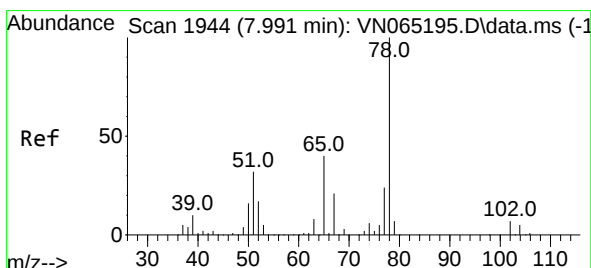
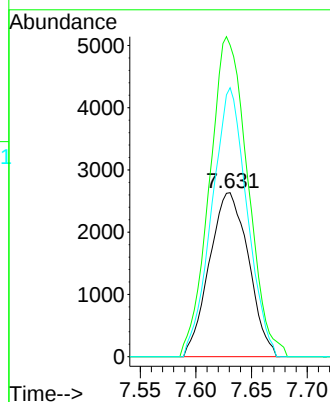
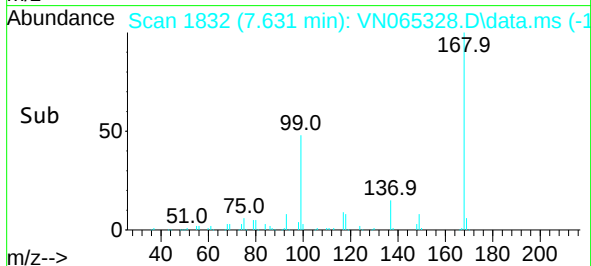


#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.020 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

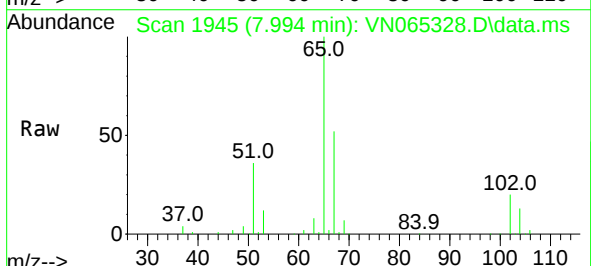
Instrument :
MSVOA_N
ClientSampled :



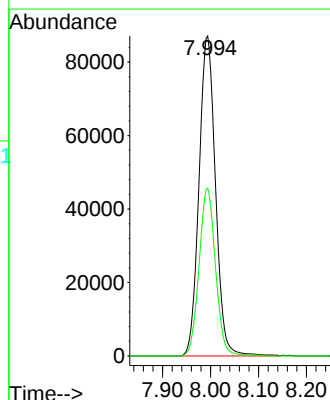
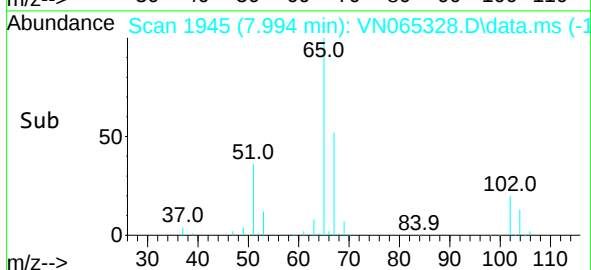
Tgt Ion: 56 Resp: 6436
Ion Ratio Lower Upper
56 100
69 190.0 27.5 41.3#
84 164.0 73.9 110.9#

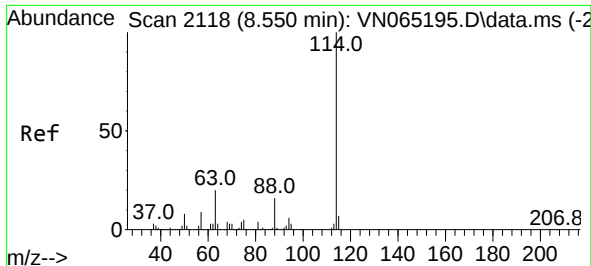


#33
1,2-Dichloroethane-d4
Concen: 46.54 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26



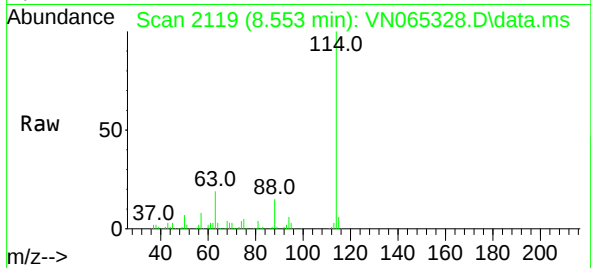
Tgt Ion: 65 Resp: 208212
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.2



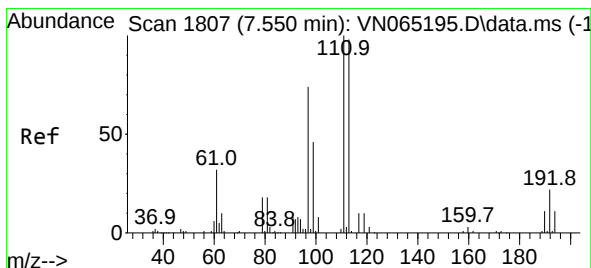
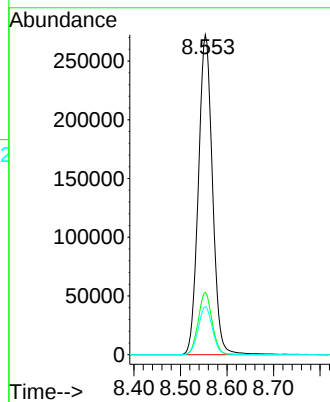
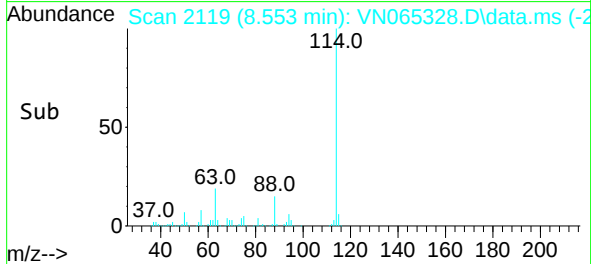


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

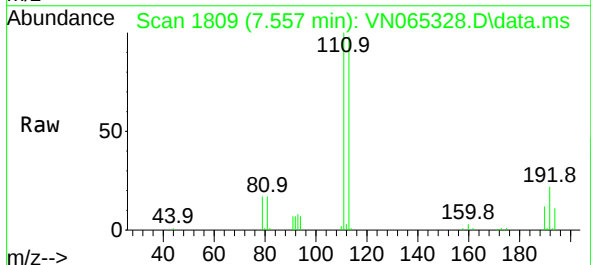
Instrument :
MSVOA_N
ClientSampled :



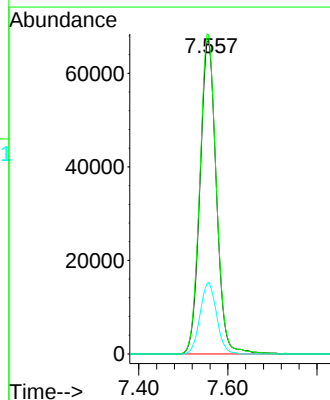
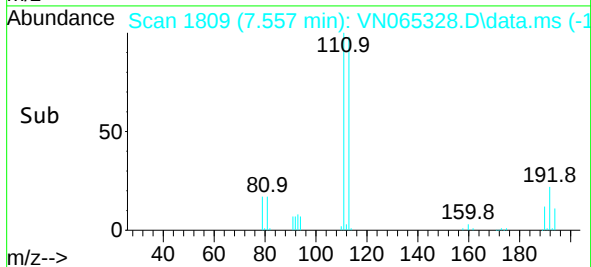
Tgt Ion:114 Resp: 573368
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 15.0 0.0 32.6

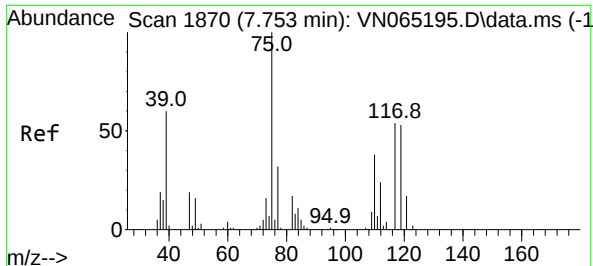


#35
Dibromofluoromethane
Concen: 49.64 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26



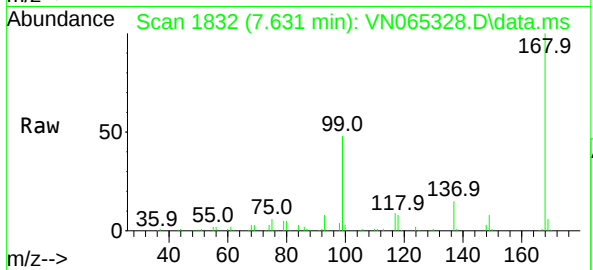
Tgt Ion:113 Resp: 171701
Ion Ratio Lower Upper
113 100
111 102.6 81.6 122.4
192 22.9 16.2 24.2



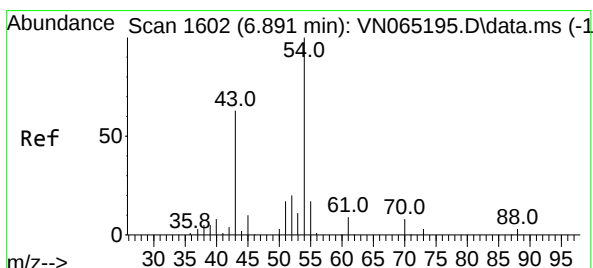
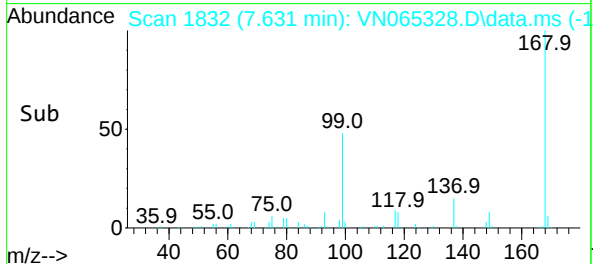
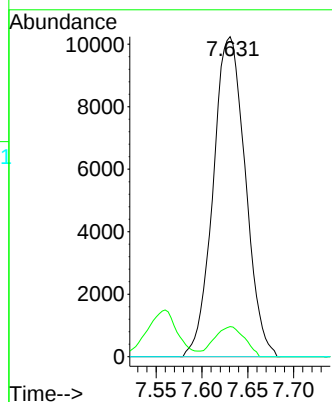


#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Instrument :
MSVOA_N
ClientSampled :

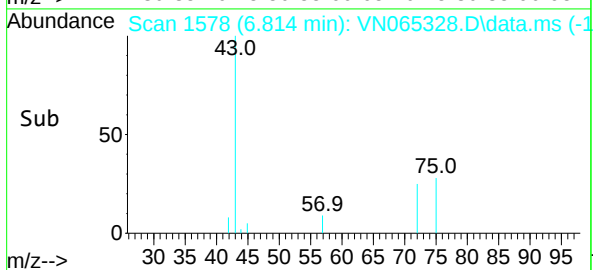
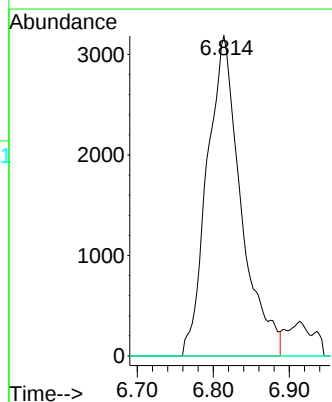
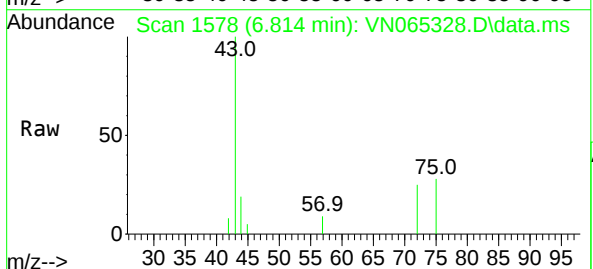


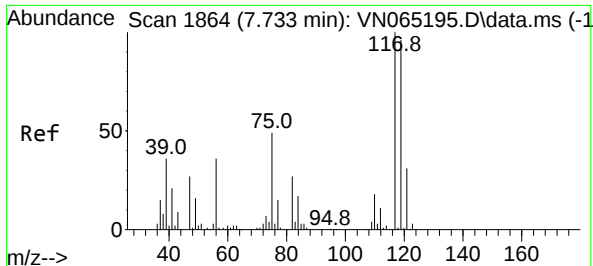
Tgt Ion: 75 Resp: 25041
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.91 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. -0.077 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

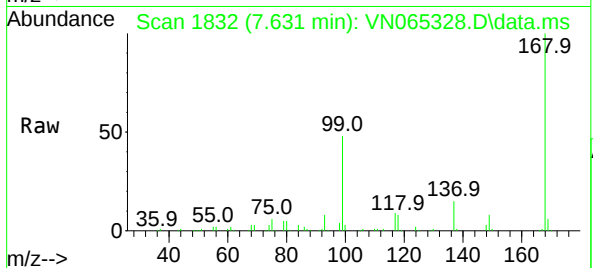
Tgt Ion: 43 Resp: 9858
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



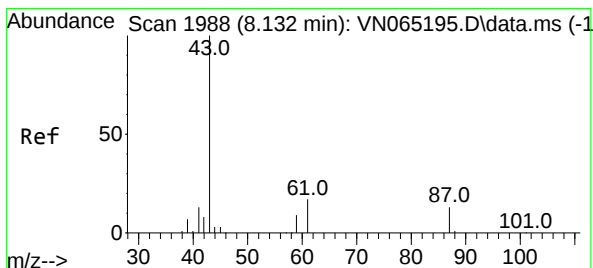
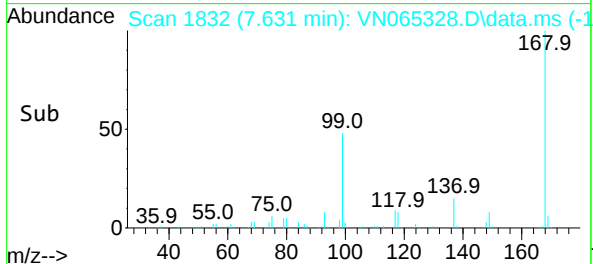
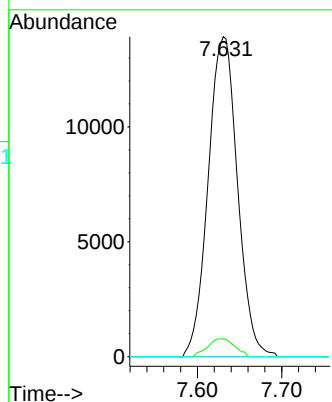


#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Instrument :
MSVOA_N
ClientSampled :

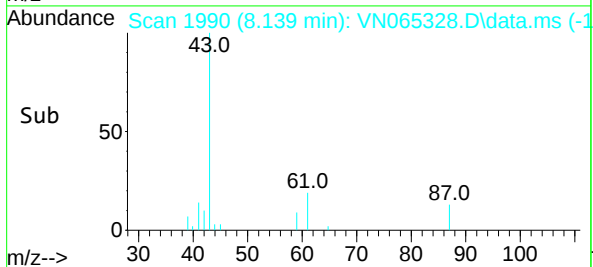
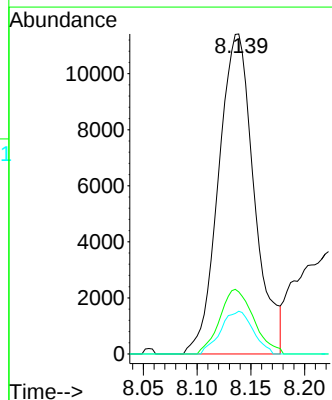
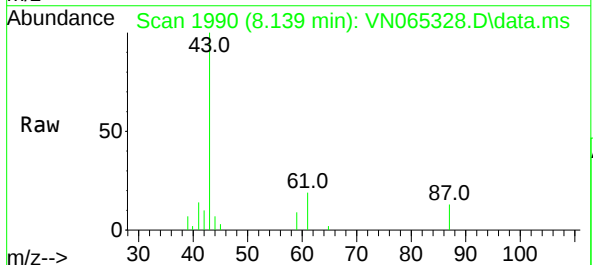


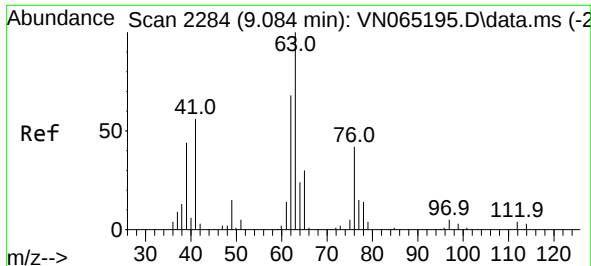
Tgt Ion:117 Resp: 33682
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 2.96 ug/l
RT: 8.139 min Scan# 1990
Delta R.T. 0.007 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 43 Resp: 26369
Ion Ratio Lower Upper
43 100
61 19.2 17.2 25.8
87 12.1 11.4 17.0

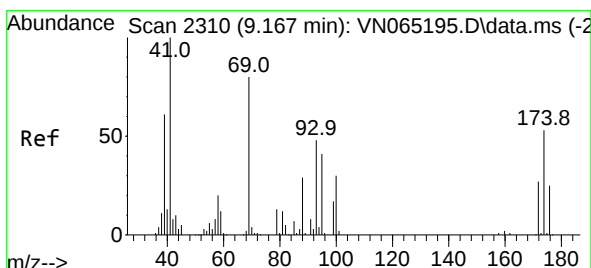
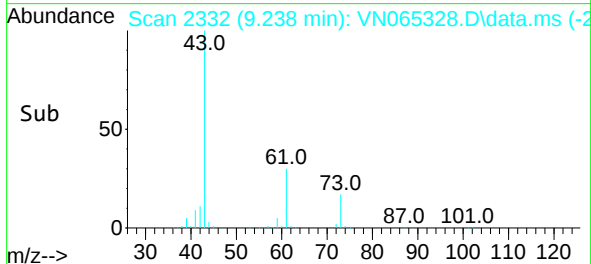
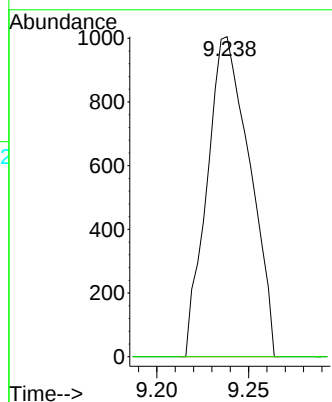
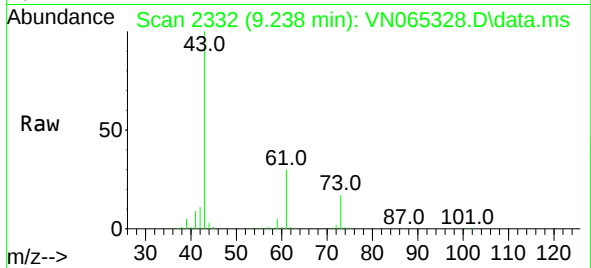




#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

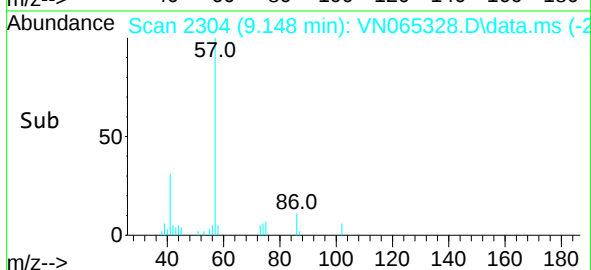
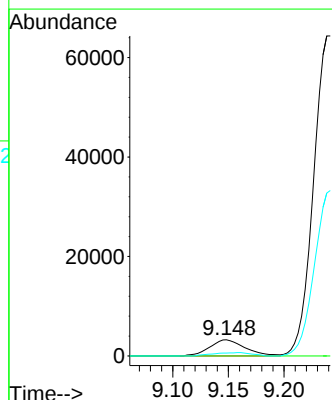
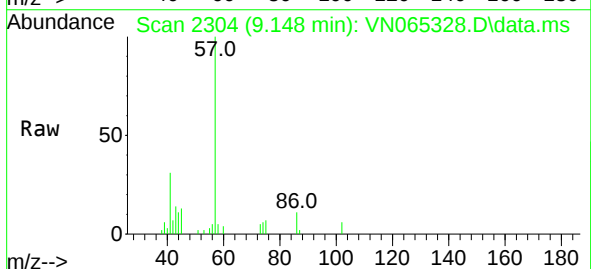
Instrument :
MSVOA_N
ClientSampled :

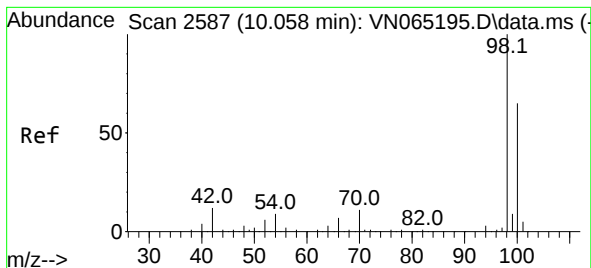
Tgt Ion: 63 Resp: 1624
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.66 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 41 Resp: 7185
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

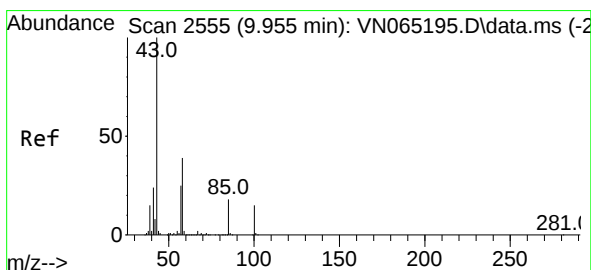
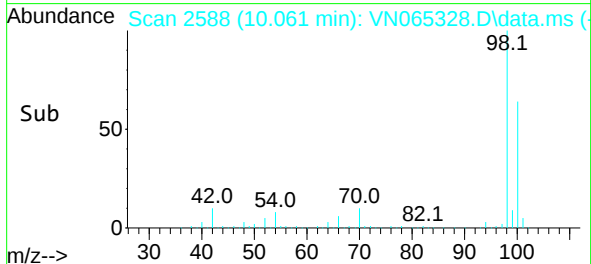
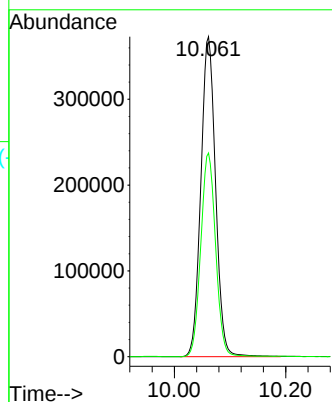
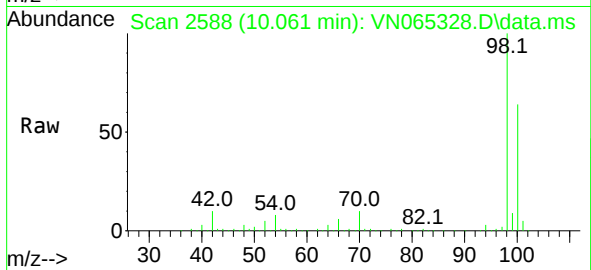




#50
Toluene-d8
Concen: 52.84 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

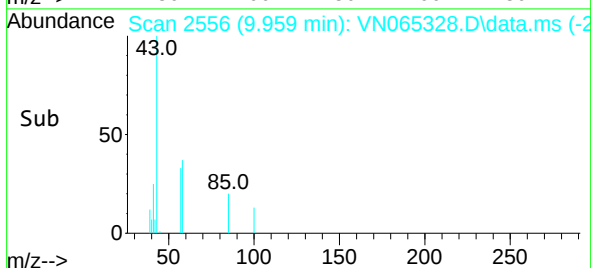
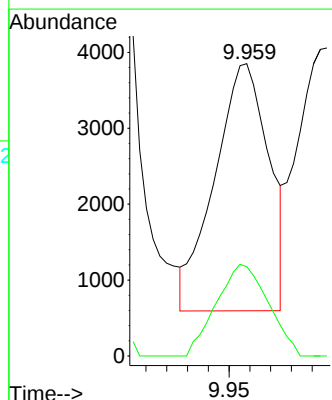
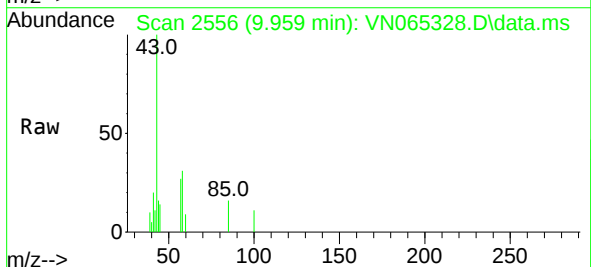
Instrument :
MSVOA_N
ClientSampled :

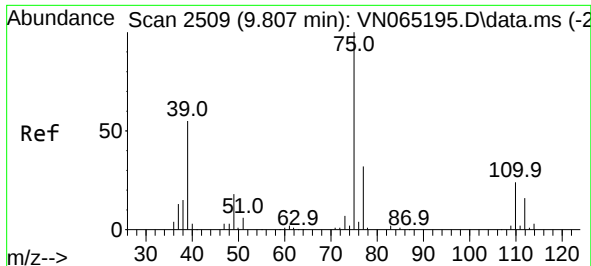
Tgt Ion: 98 Resp: 685035
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.18 ug/l
RT: 9.959 min Scan# 2556
Delta R.T. 0.004 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 43 Resp: 5886
Ion Ratio Lower Upper
43 100
58 35.6 32.4 48.6

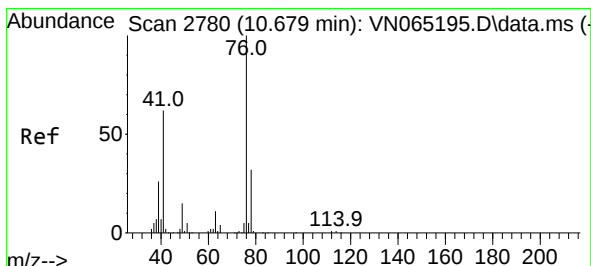
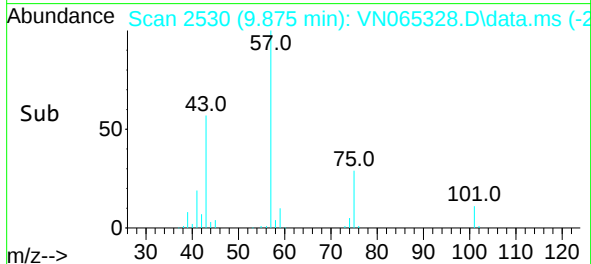
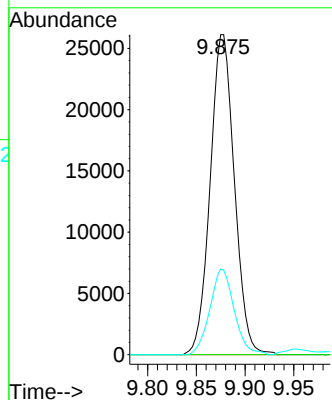
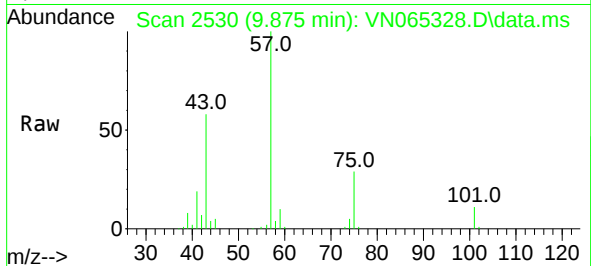




#54
cis-1,3-Dichloropropene
Concen: 6.52 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

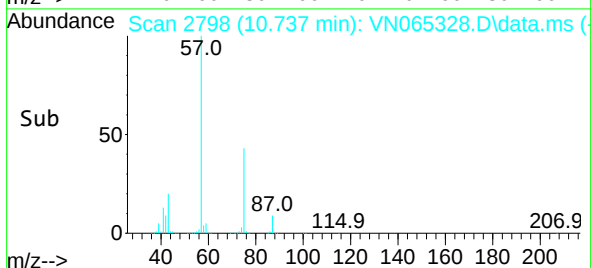
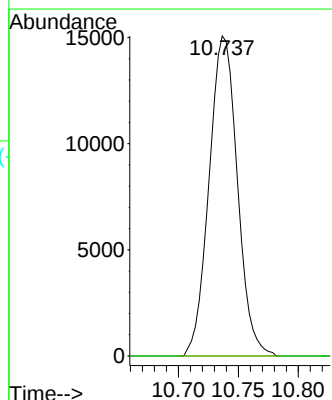
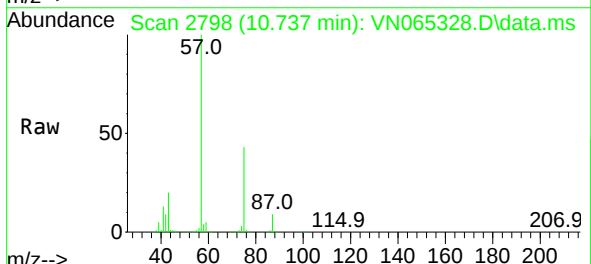
Instrument :
MSVOA_N
ClientSampled :

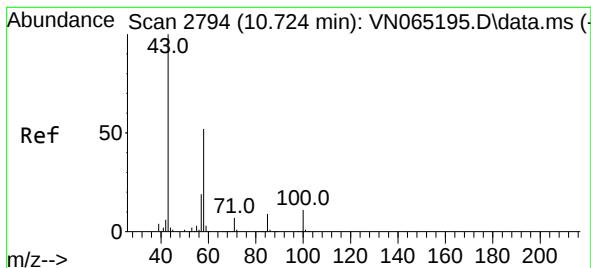
Tgt Ion: 75 Resp: 45107
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 26.8 35.6 53.4#



#57
1,3-Dichloropropane
Concen: 3.88 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 76 Resp: 24739
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

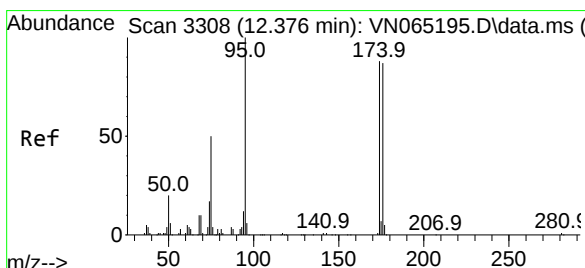
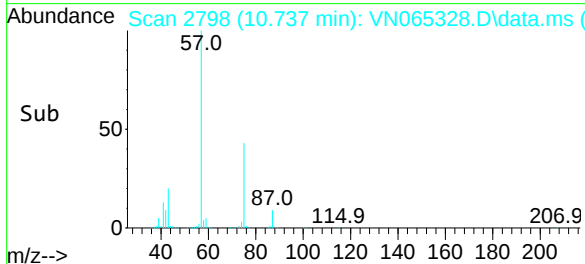
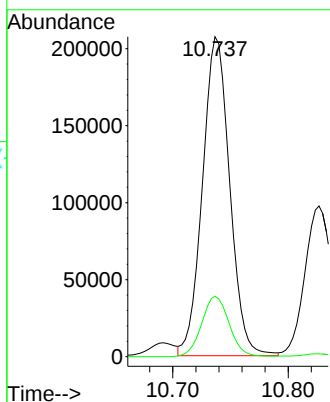
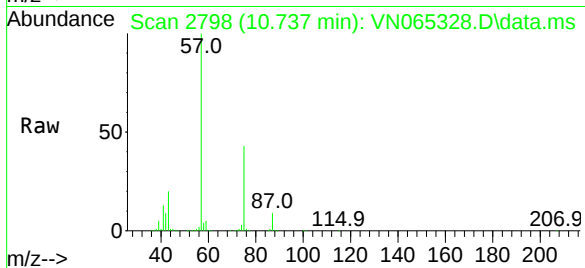




#59
2-Hexanone
Concen: 92.12 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

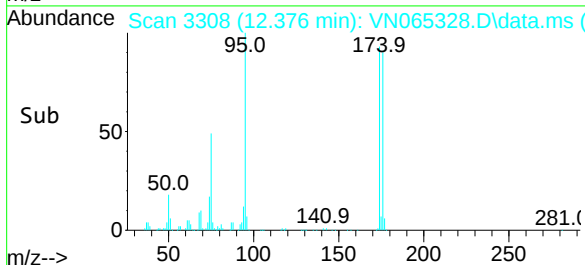
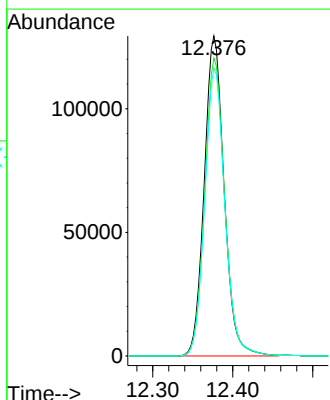
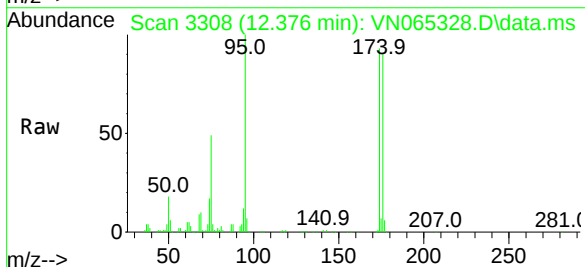
Instrument :
MSVOA_N
ClientSampled :

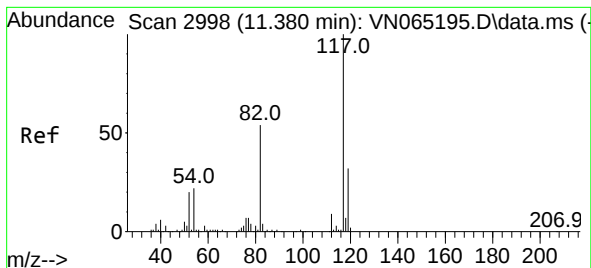
Tgt Ion: 43 Resp: 339114
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.36 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion: 95 Resp: 224170
Ion Ratio Lower Upper
95 100
174 94.0 0.0 160.4
176 90.7 0.0 158.4

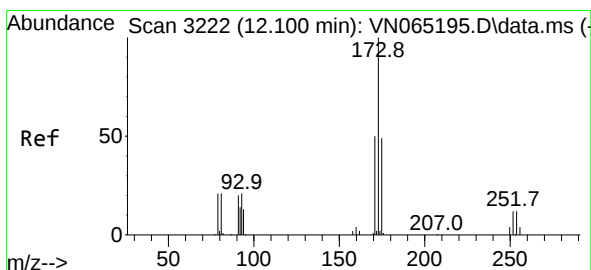
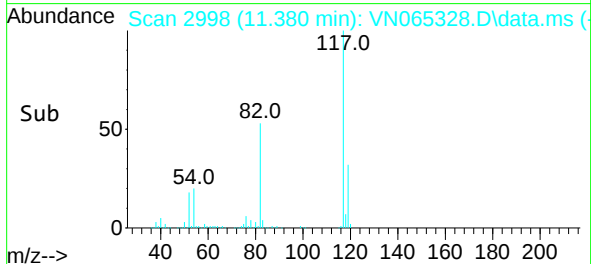
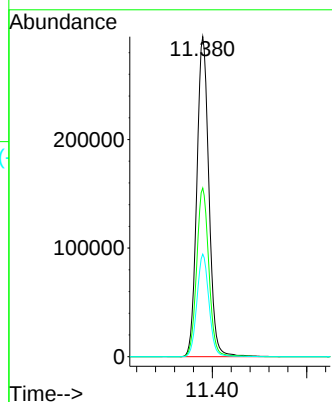
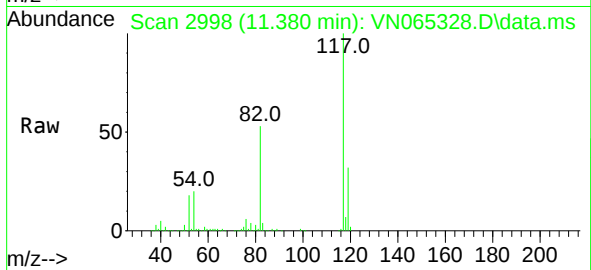




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

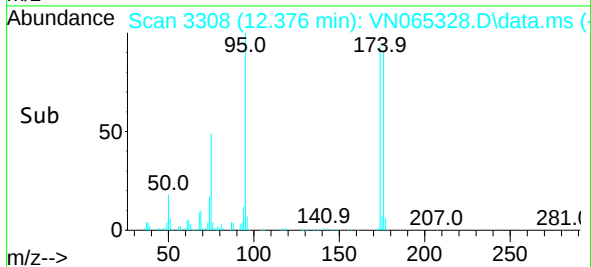
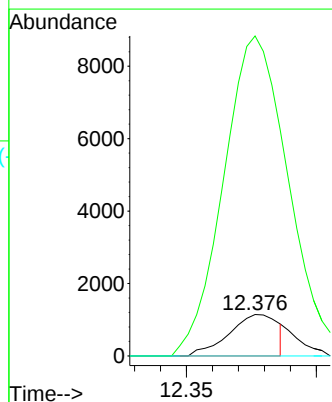
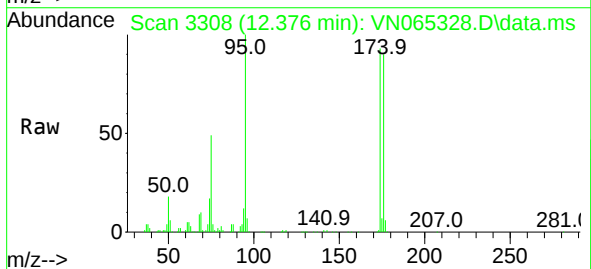
Instrument :
MSVOA_N
ClientSampled :

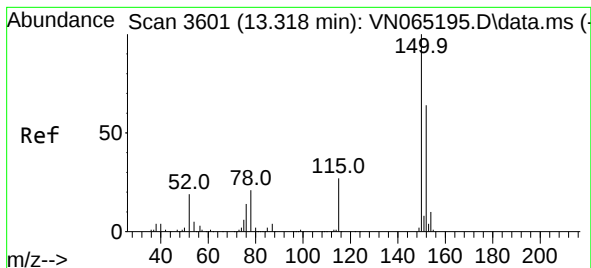
Tgt Ion:117 Resp: 521626
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 32.0 25.8 38.6



#71
Bromoform
Concen: 0.42 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065328.D
Acq: 30 Dec 2020 18:26

Tgt Ion:173 Resp: 1507
Ion Ratio Lower Upper
173 100
175 829.1 24.3 72.8#
254 0.0 0.0 0.0

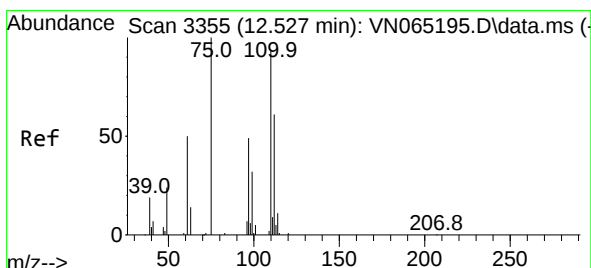
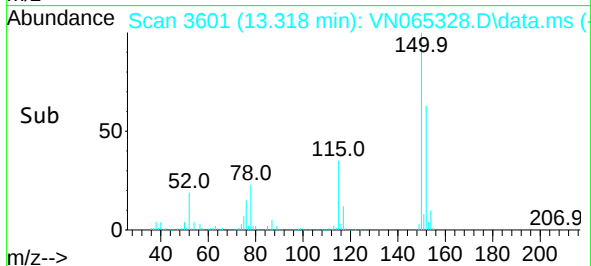
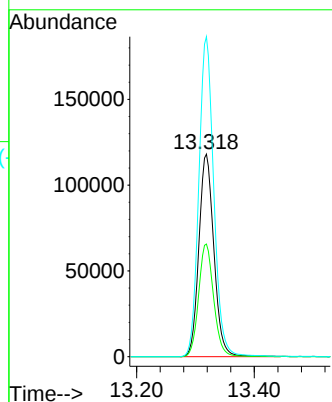
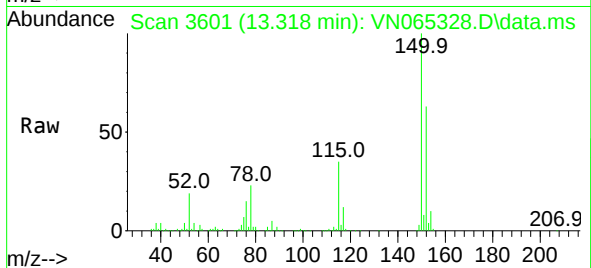




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065328.D
 Acq: 30 Dec 2020 18:26

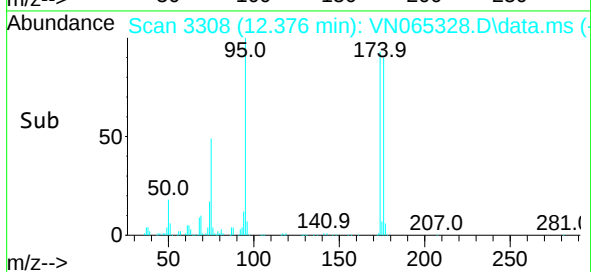
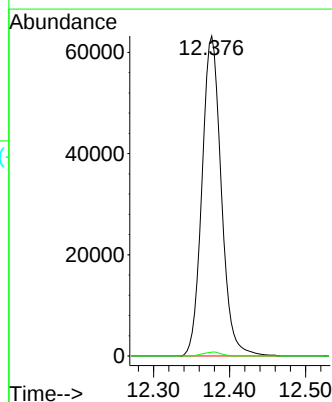
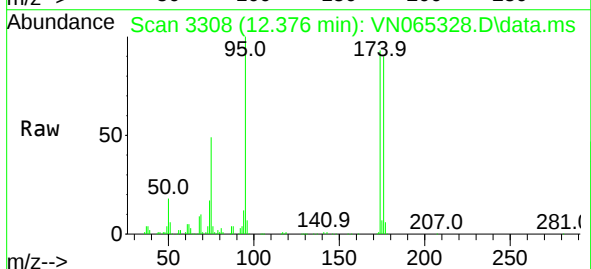
Instrument :
 MSVOA_N
 ClientSampled :

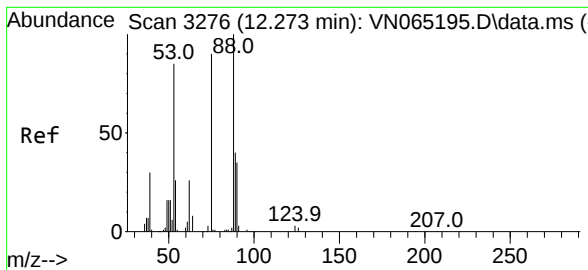
Tgt Ion:152 Resp: 209505
 Ion Ratio Lower Upper
 152 100
 115 55.5 29.7 89.1
 150 157.1 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 26.09 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065328.D
 Acq: 30 Dec 2020 18:26

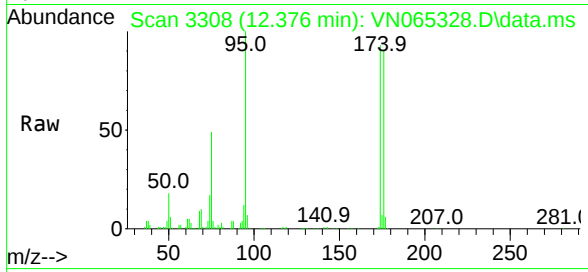
Tgt Ion: 75 Resp: 111524
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.79 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065328.D
 Acq: 30 Dec 2020 18:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 111524
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

