

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
 Data File : VN065288.D
 Acq On : 28 Dec 2020 16:05
 Operator : JC/MD
 Sample : L5218-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 29 02:22:35 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)

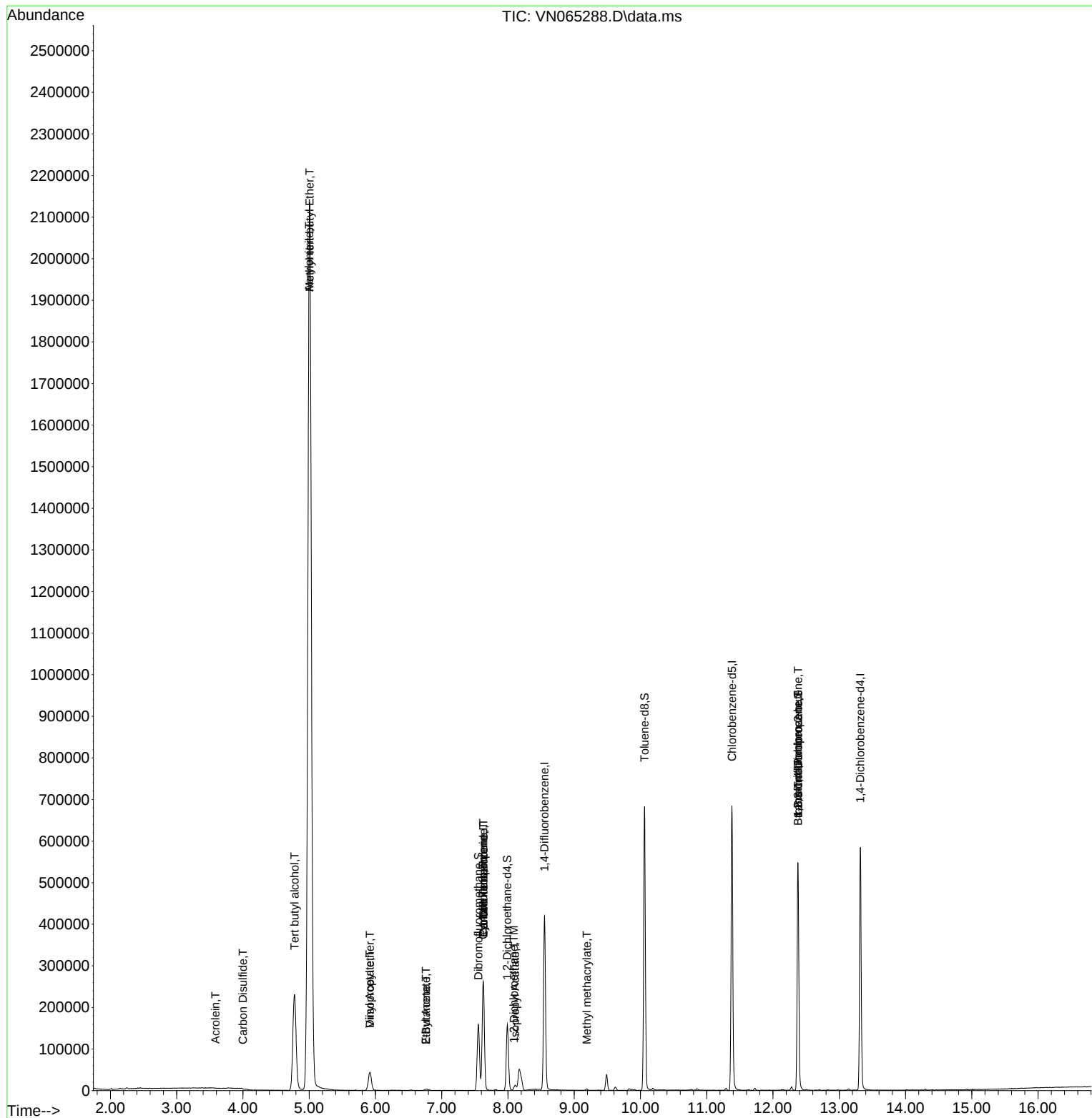
Internal Standards						
1) Pentafluorobenzene	7.627	168	236888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	392466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	415159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	175661	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	139570	52.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.38%			
35) Dibromofluoromethane	7.553	113	120531	50.90	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.80%			
50) Toluene-d8	10.061	98	486029	54.77	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.54%			
62) 4-Bromofluorobenzene	12.376	95	192083	54.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.50%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.778	59	462854	1057.76	ug/l	99
13) Acrolein	3.586	56	65	2.63	ug/l #	14
15) Acrylonitrile	5.000	53	36474	34.49	ug/l #	30
16) Acetone	3.782	43	1193	Below Cal		90
17) Carbon Disulfide	3.997	76	1832	0.31	ug/l #	75
19) Methyl tert-butyl Ether	5.007	73	3924915	531.13	ug/l	100
22) Diisopropyl ether	5.917	45	61193	8.02	ug/l	92
23) Vinyl Acetate	5.913	43	30574	4.75	ug/l #	71
25) 2-Butanone	6.762	43	1080	0.72	ug/l #	49
31) Cyclohexane	7.624	56	4217	1.07	ug/l #	12
36) 1,1-Dichloropropene	7.627	75	15074	4.22	ug/l #	50
37) Ethyl Acetate	6.762	43	1080	0.31	ug/l #	66
38) Carbon Tetrachloride	7.627	117	20288	5.41	ug/l #	16
42) 1,2-Dichloroethane	8.090	62	3233	0.82	ug/l #	73
43) Isopropyl Acetate	8.110	43	2863	0.47	ug/l #	59
48) Methyl methacrylate	9.193	41	1082	0.37	ug/l #	25
71) Bromoform	12.379	173	1201	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	95554	26.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	95554	67.23	ug/l #	15

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

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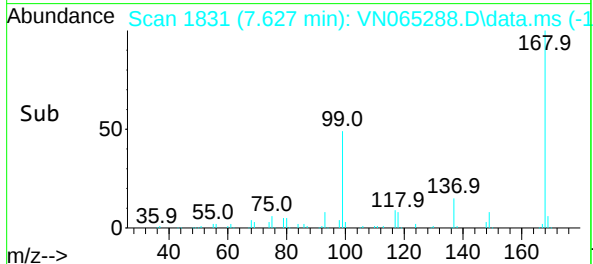
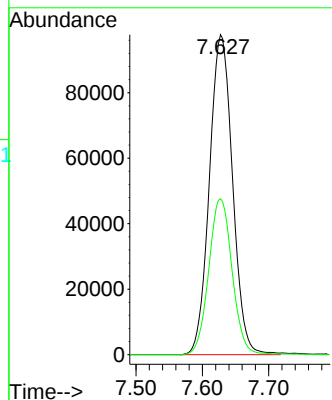
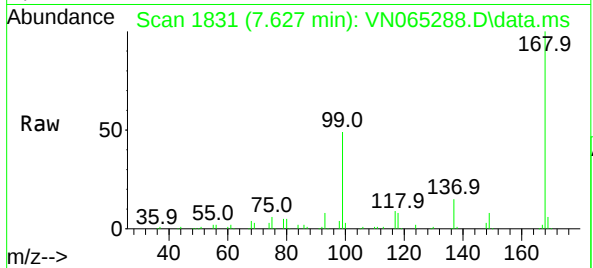




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

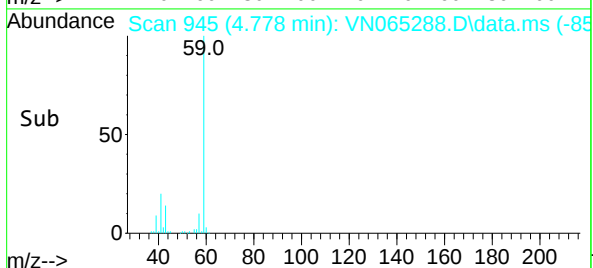
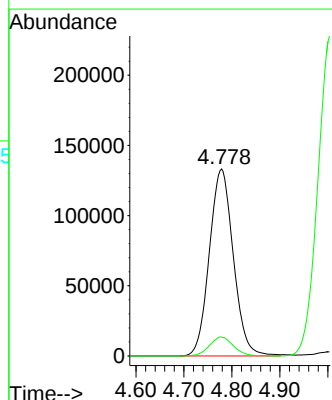
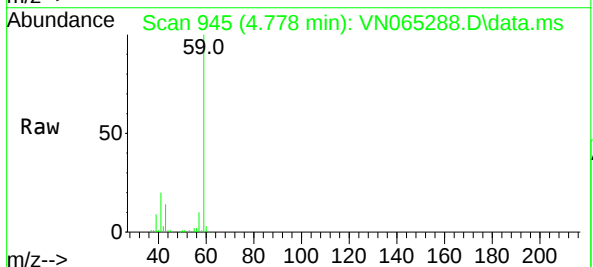
Instrument :
MSVOA_N
ClientSampled :

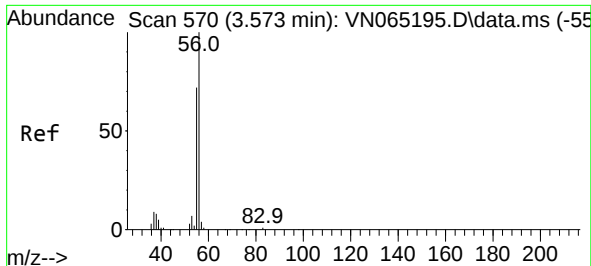
Tgt Ion:168 Resp: 236888
Ion Ratio Lower Upper
168 100
99 48.8 43.0 64.4



#11
Tert butyl alcohol
Concen: 1057.76 ug/l
RT: 4.778 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion: 59 Resp: 462854
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

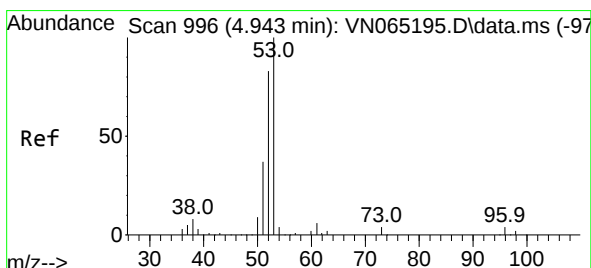
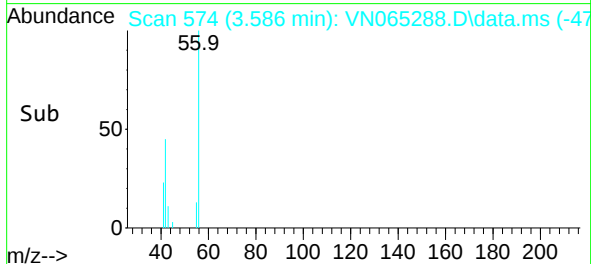
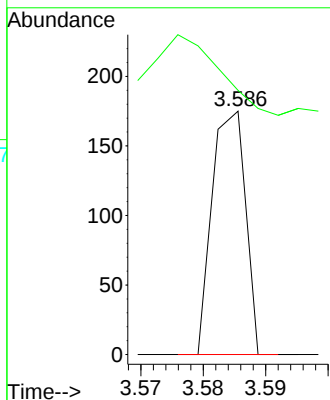
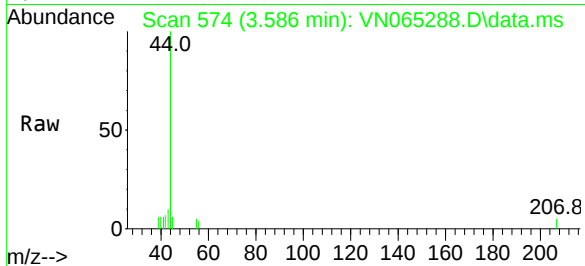




#13
Acrolein
Concen: 2.63 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.013 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

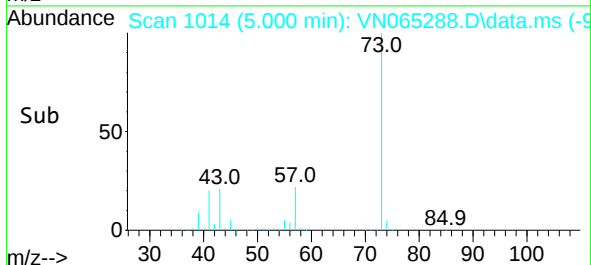
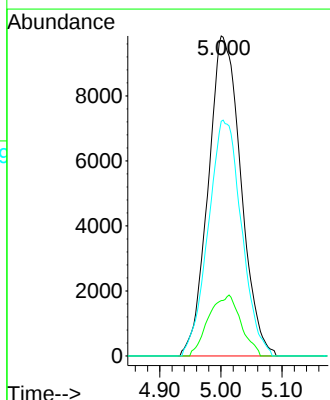
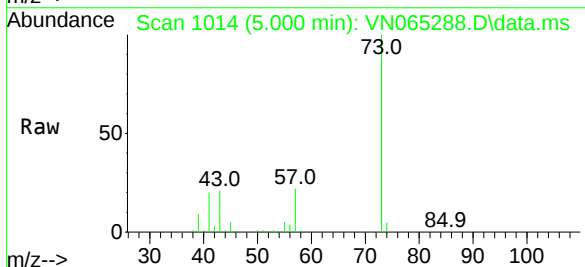
Instrument :
MSVOA_N
ClientSampled :

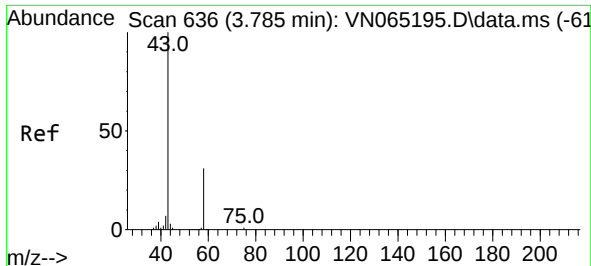
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#15
Acrylonitrile
Concen: 34.49 ug/l
RT: 5.000 min Scan# 1014
Delta R.T. 0.057 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion: 53 Resp: 36474
Ion Ratio Lower Upper
53 100
52 18.8 65.5 98.3#
51 75.1 28.6 43.0#

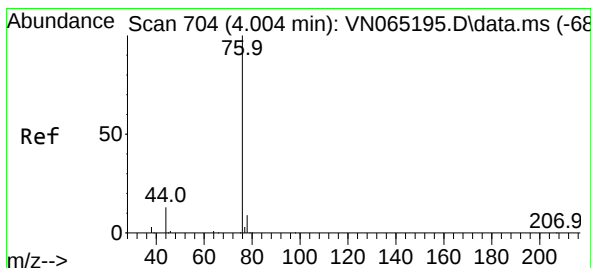
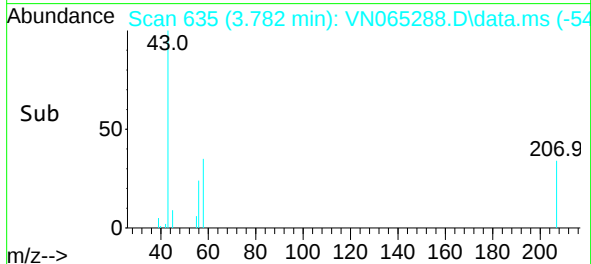
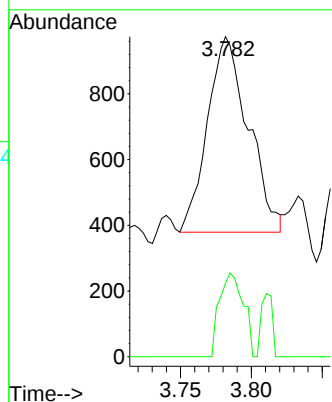
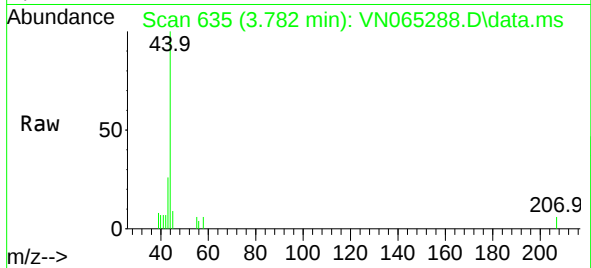




#16
Acetone
Concen: Below Cal
RT: 3.782 min Scan# 635
Delta R.T. -0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

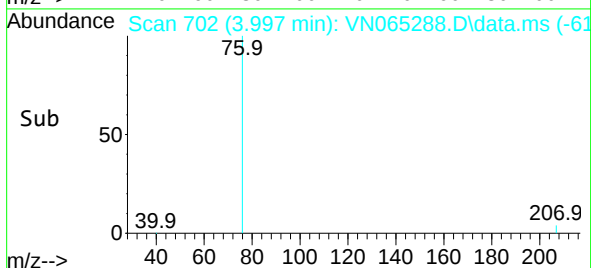
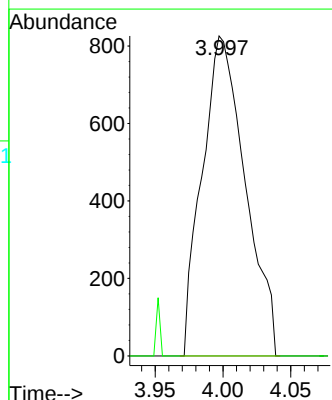
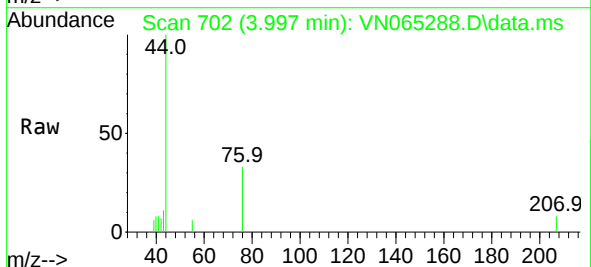
Instrument :
MSVOA_N
ClientSampled :

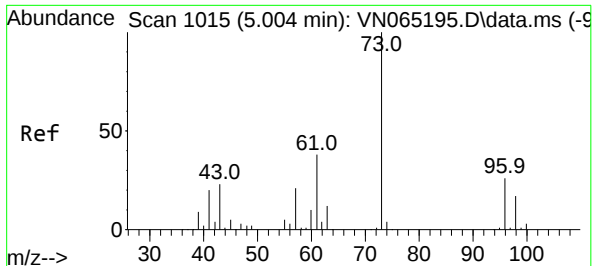
Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 37.5 25.7 38.5



#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 3.997 min Scan# 702
Delta R.T. -0.007 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion: 76 Resp: 1832
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

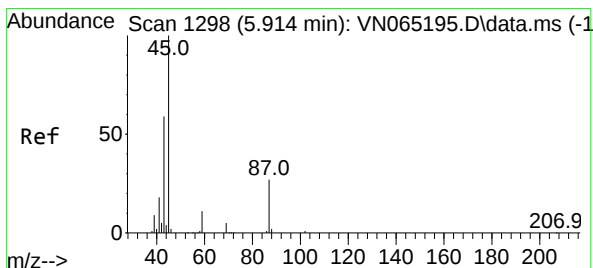
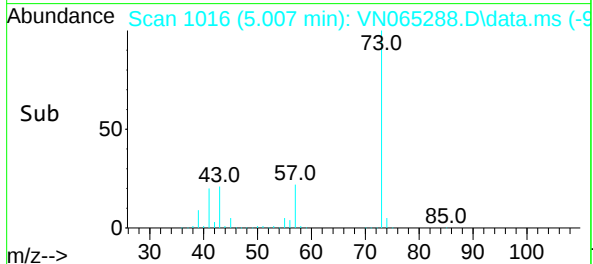
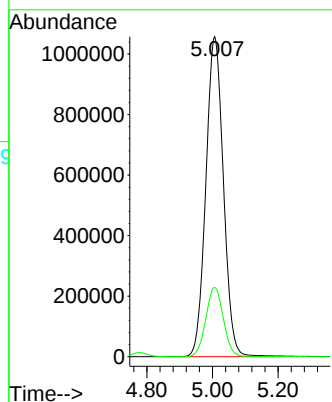
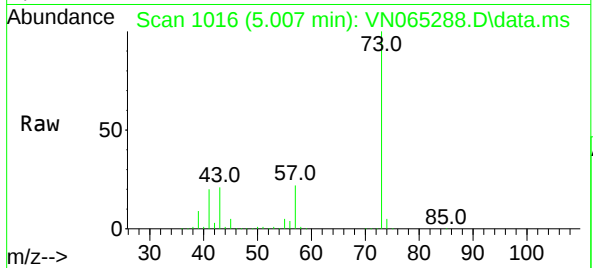




#19
Methyl tert-butyl Ether
Concen: 531.13 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

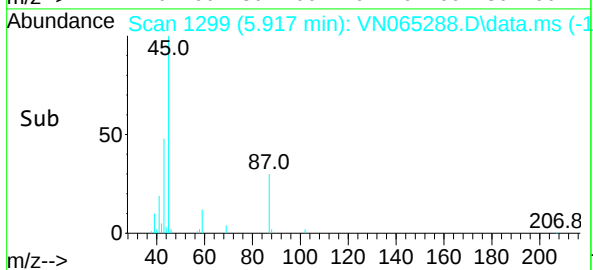
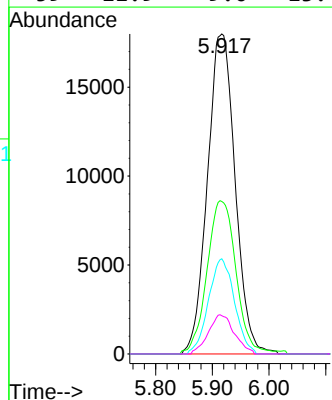
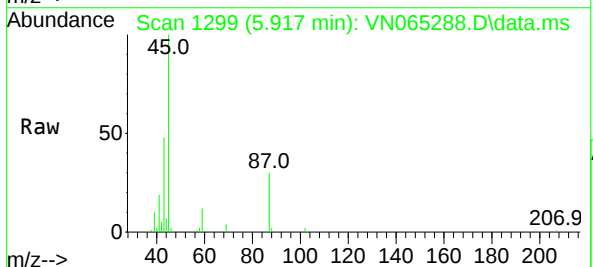
Instrument :
MSVOA_N
ClientSampled :

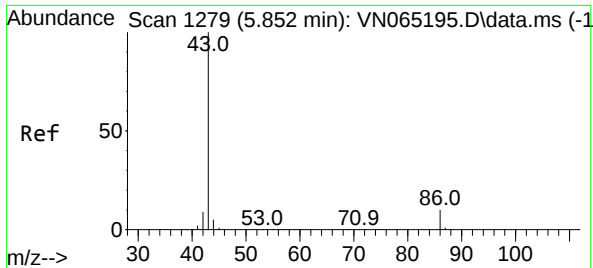
Tgt Ion: 73 Resp: 3924915
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0



#22
Diisopropyl ether
Concen: 8.02 ug/l
RT: 5.917 min Scan# 1299
Delta R.T. 0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion: 45 Resp: 61193
Ion Ratio Lower Upper
45 100
43 47.7 46.2 69.2
87 29.7 24.1 36.1
59 11.9 9.0 13.4

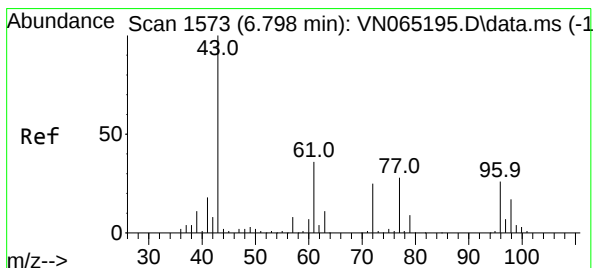
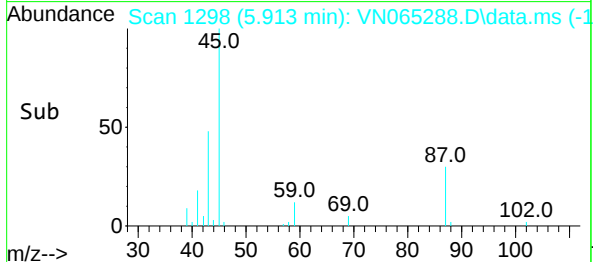
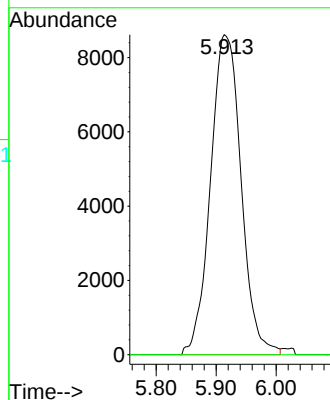
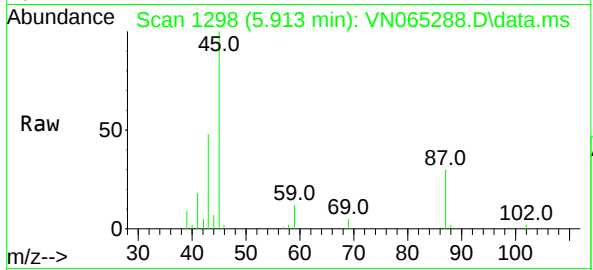




#23
 Vinyl Acetate
 Concen: 4.75 ug/l
 RT: 5.913 min Scan# 1298
 Delta R.T. 0.061 min
 Lab File: VN065288.D
 Acq: 28 Dec 2020 16:05

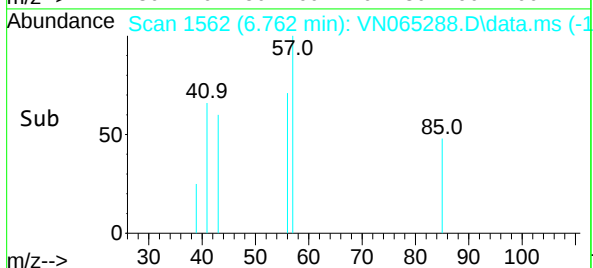
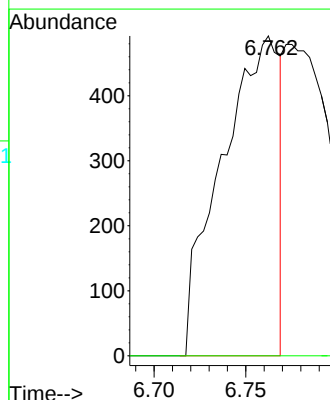
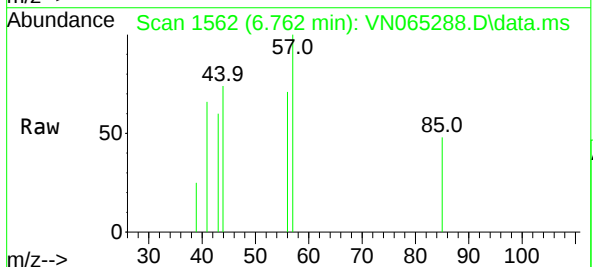
Instrument :
 MSVOA_N
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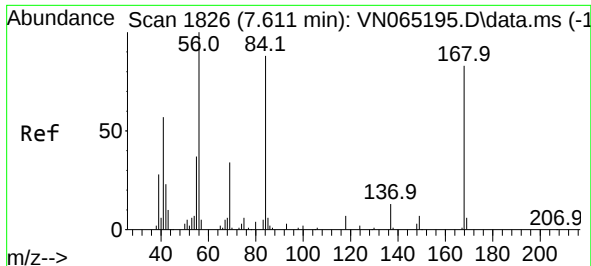
Tgt Ion: 43 Resp: 30574
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 0.72 ug/l
 RT: 6.762 min Scan# 1562
 Delta R.T. -0.036 min
 Lab File: VN065288.D
 Acq: 28 Dec 2020 16:05

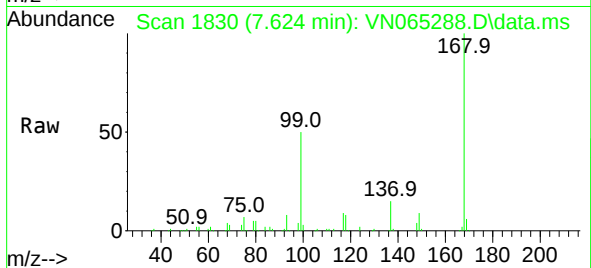
Tgt Ion: 43 Resp: 1080
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.0 31.6#



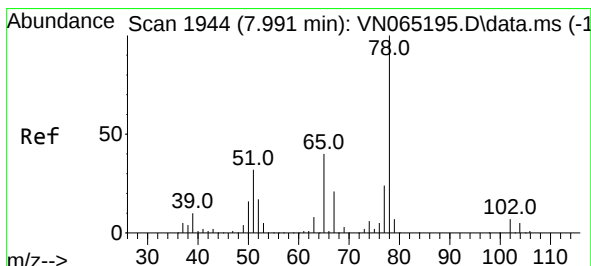
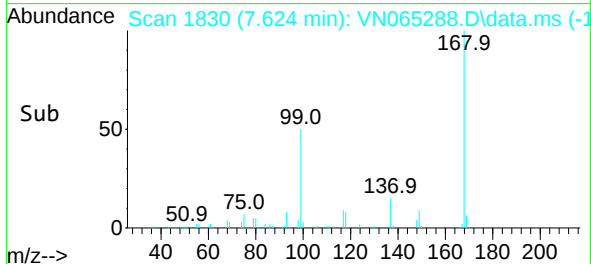
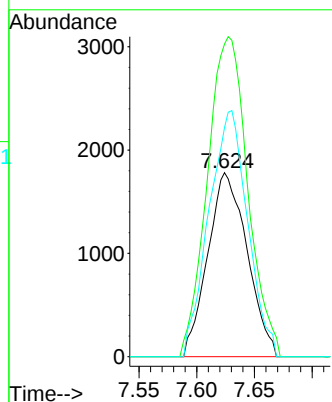


#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampled :

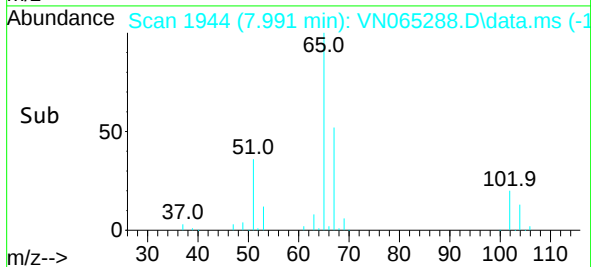
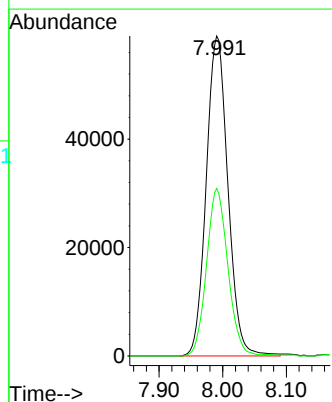
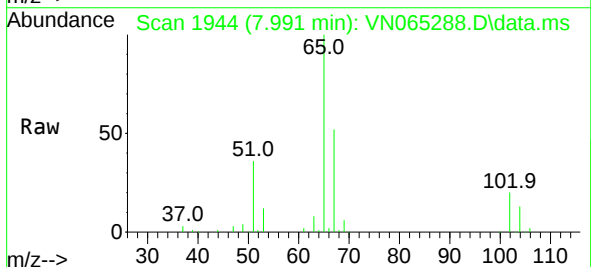


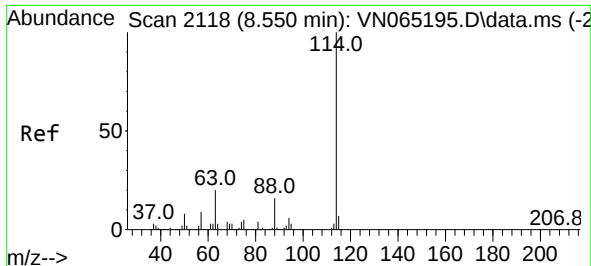
Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 169.9 27.5 41.3#
84 124.5 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 52.19 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

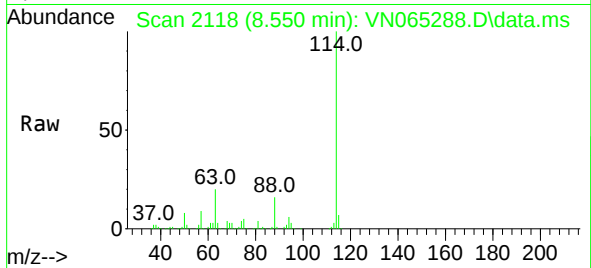
Tgt Ion: 65 Resp: 139570
Ion Ratio Lower Upper
65 100
67 51.5 0.0 108.2



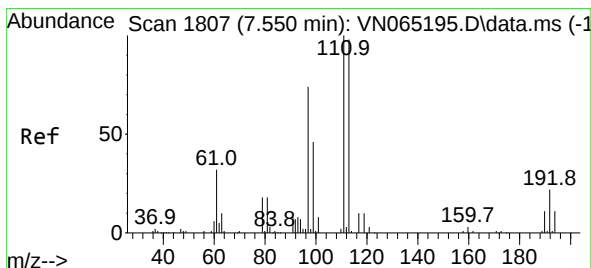
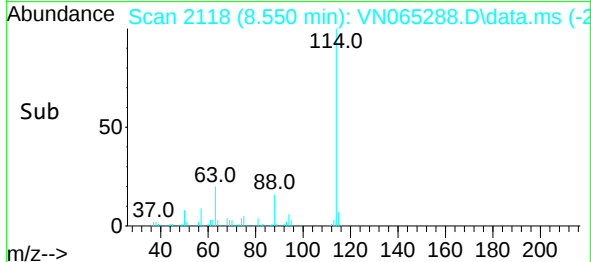
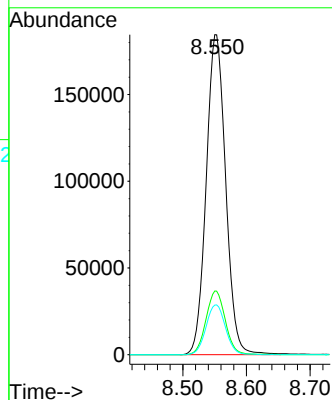


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

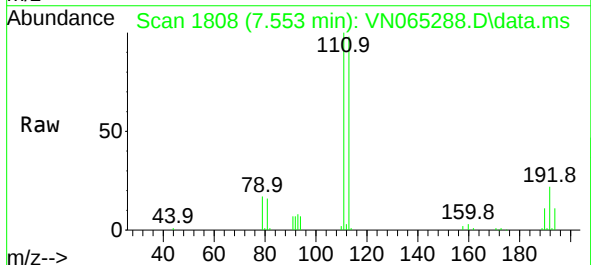
Instrument :
MSVOA_N
ClientSampled :



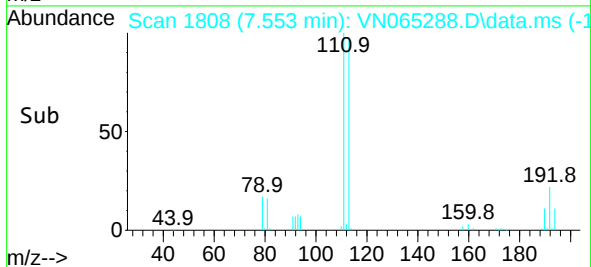
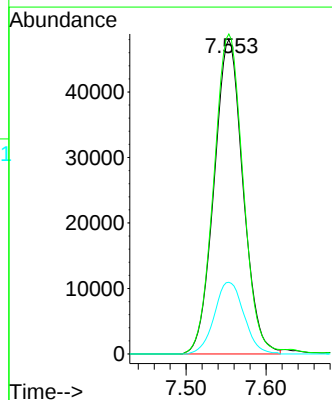
Tgt Ion:114 Resp: 392466
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.6
88 15.5 0.0 32.6

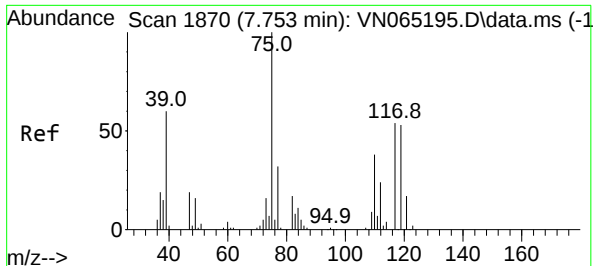


#35
Dibromofluoromethane
Concen: 50.90 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05



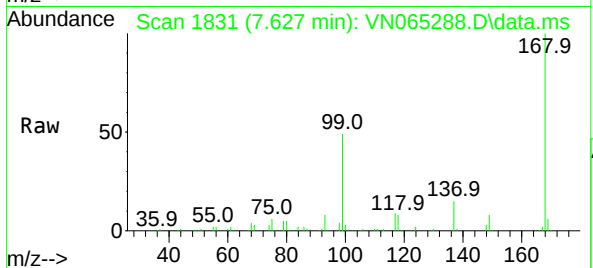
Tgt Ion:113 Resp: 120531
Ion Ratio Lower Upper
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111 103.1 81.6 122.4
192 23.3 16.2 24.2



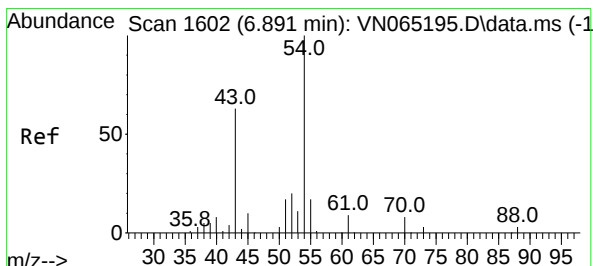
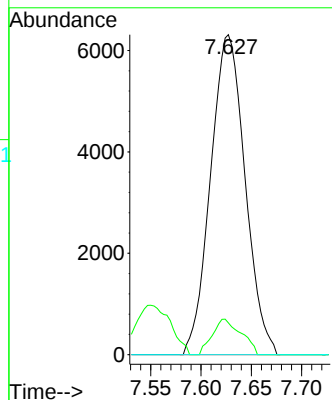
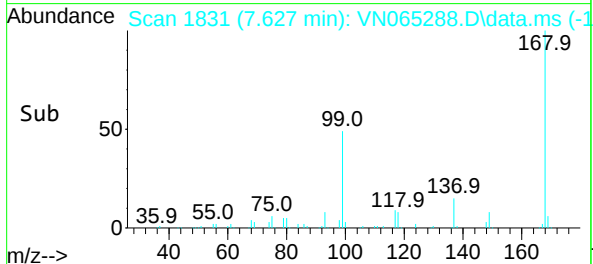


#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

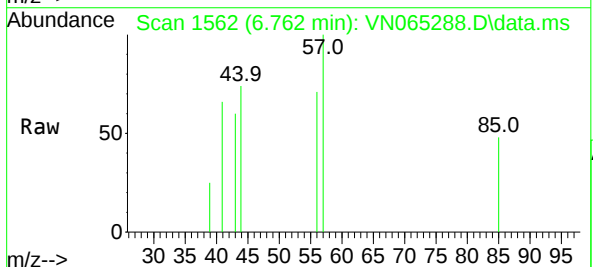
Instrument :
MSVOA_N
ClientSampled :



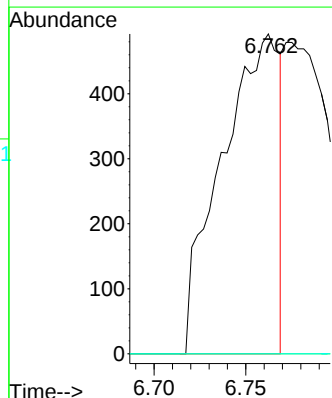
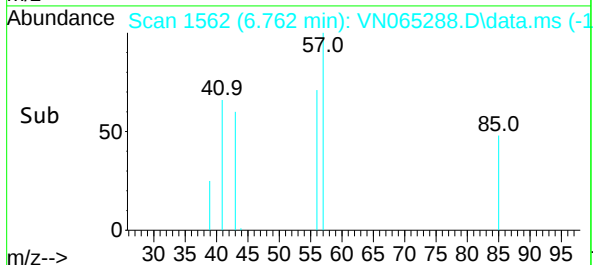
Tgt Ion: 75 Resp: 15074
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 25.0 37.4#

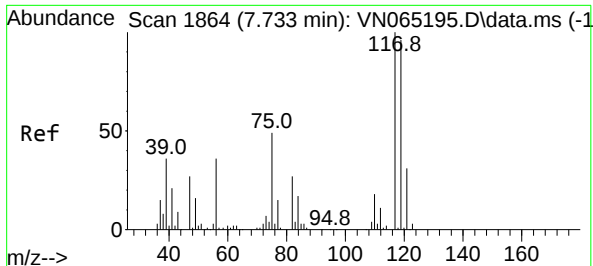


#37
Ethyl Acetate
Concen: 0.31 ug/l
RT: 6.762 min Scan# 1562
Delta R.T. -0.129 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05



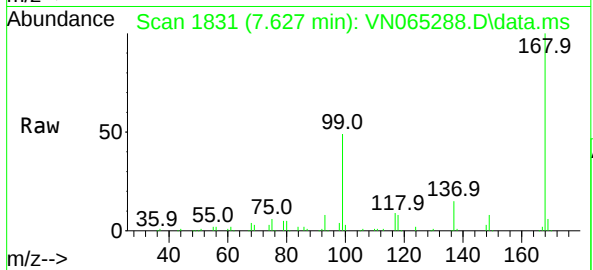
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



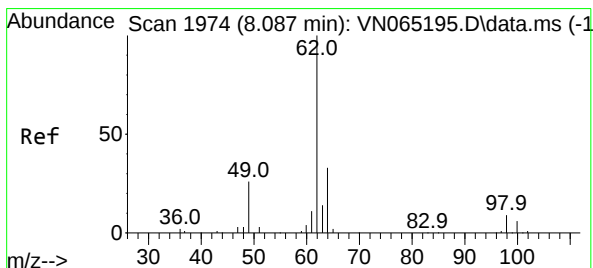
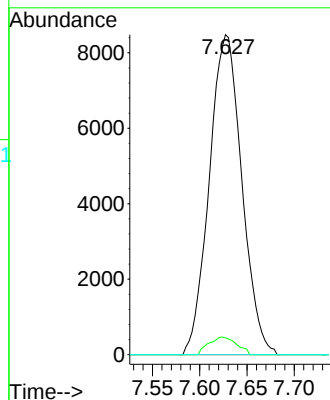
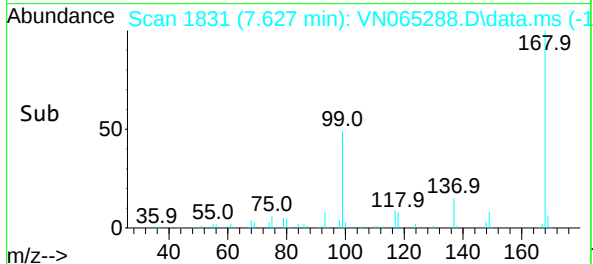


#38
Carbon Tetrachloride
Concen: 5.41 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

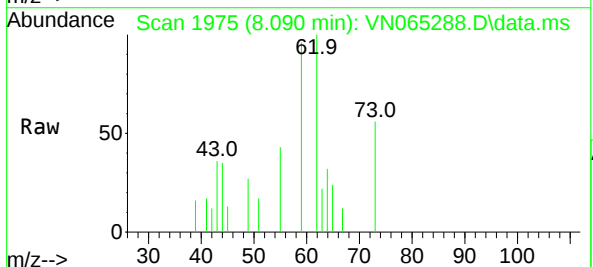
Instrument :
MSVOA_N
ClientSampled :



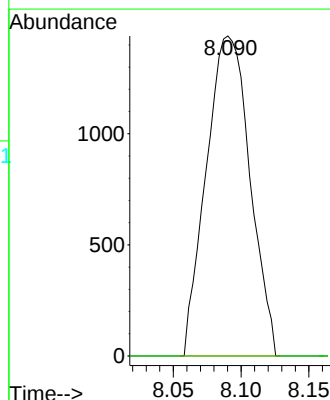
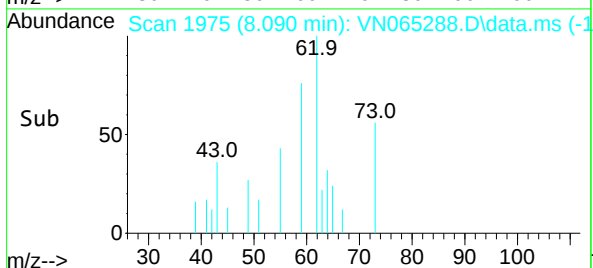
Tgt Ion:117 Resp: 20288
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 25.4 38.2#

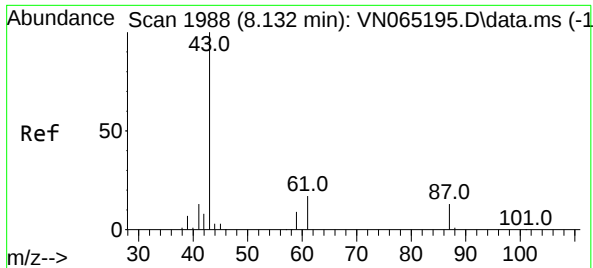


#42
1,2-Dichloroethane
Concen: 0.82 ug/l
RT: 8.090 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05



Tgt Ion: 62 Resp: 3233
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

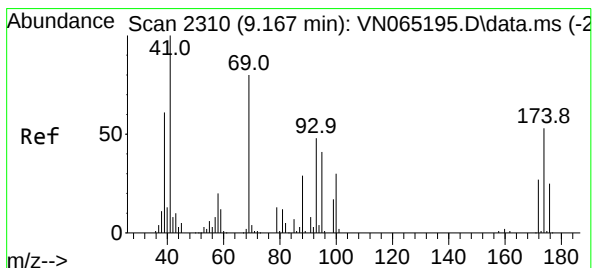
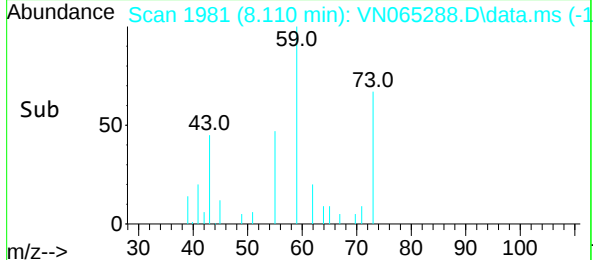
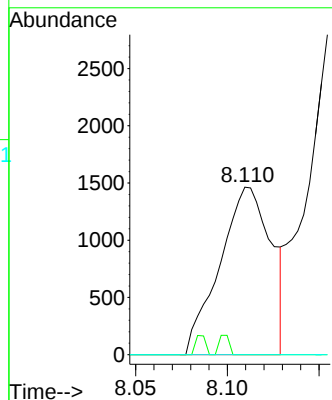
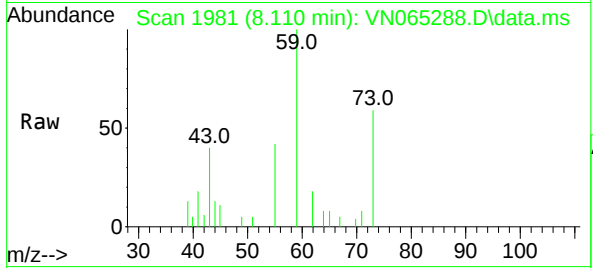




#43
Isopropyl Acetate
Concen: 0.47 ug/l
RT: 8.110 min Scan# 1981
Delta R.T. -0.022 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

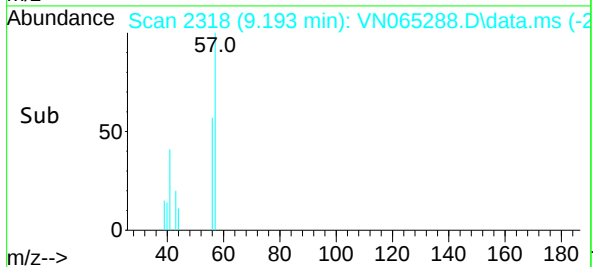
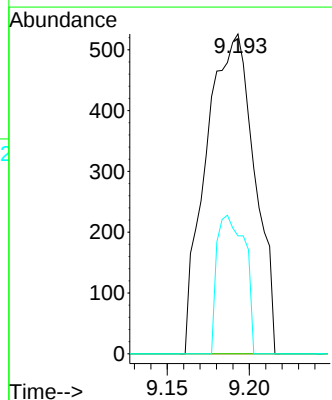
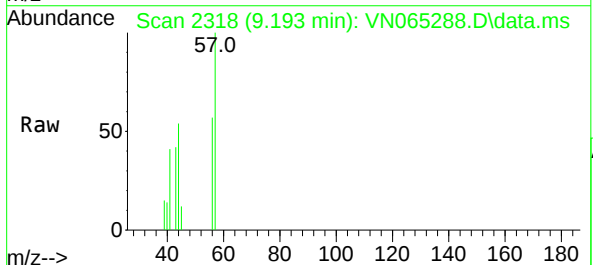
Instrument :
MSVOA_N
ClientSampled :

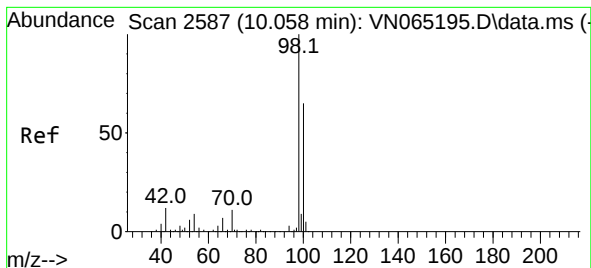
Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#



#48
Methyl methacrylate
Concen: 0.37 ug/l
RT: 9.193 min Scan# 2318
Delta R.T. 0.026 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion: 41 Resp: 1082
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 25.0 44.1 66.1#

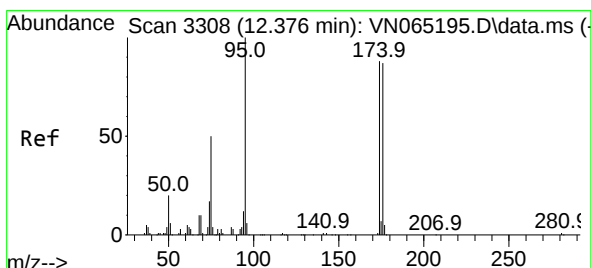
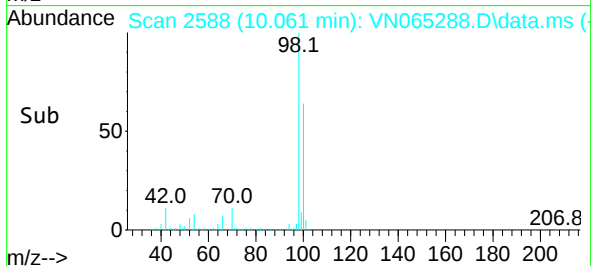
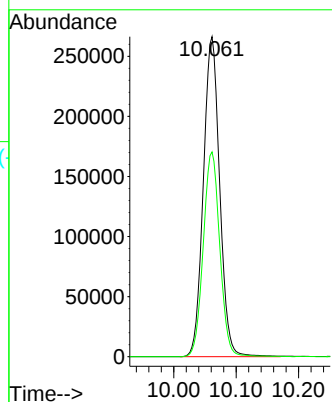
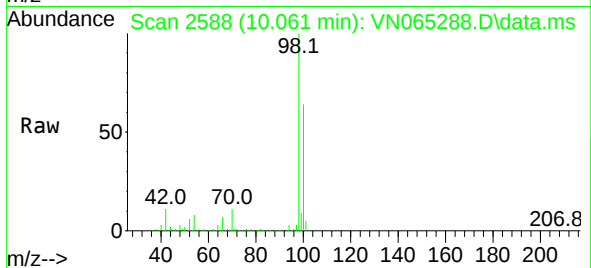




#50
Toluene-d8
Concen: 54.77 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

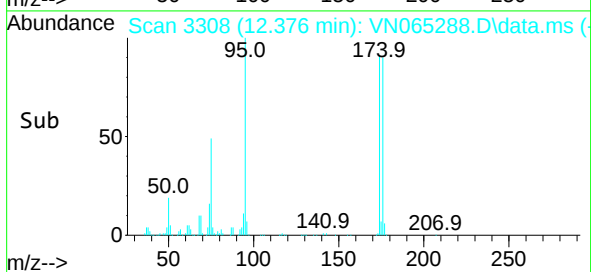
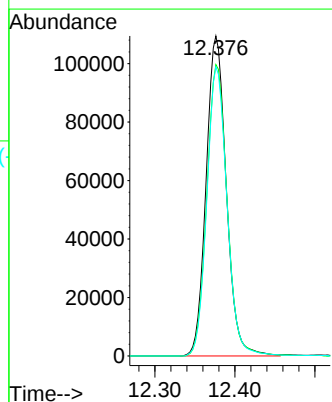
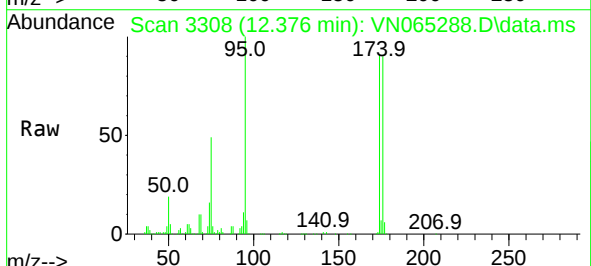
Instrument :
MSVOA_N
ClientSampled :

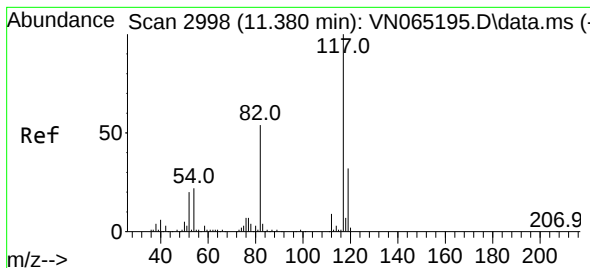
Tgt Ion: 98 Resp: 486029
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.25 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

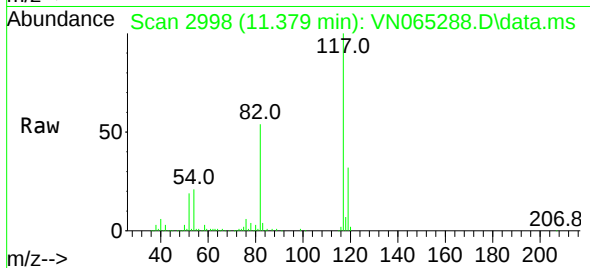
Tgt Ion: 95 Resp: 192083
Ion Ratio Lower Upper
95 100
174 92.2 0.0 160.4
176 90.2 0.0 158.4



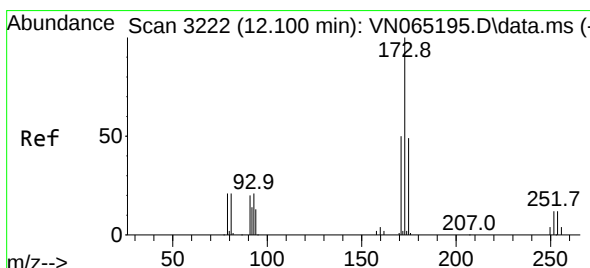
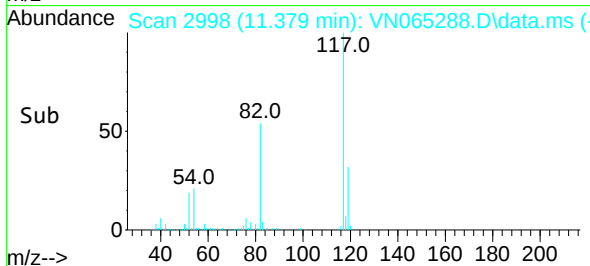
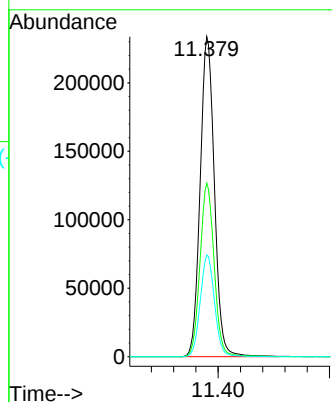


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampled :

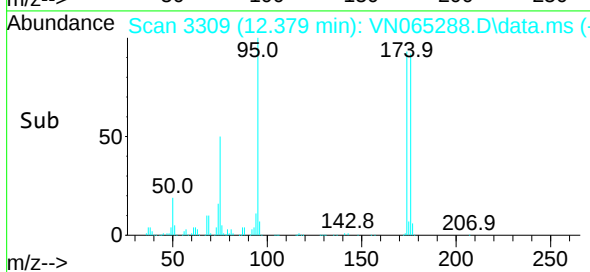
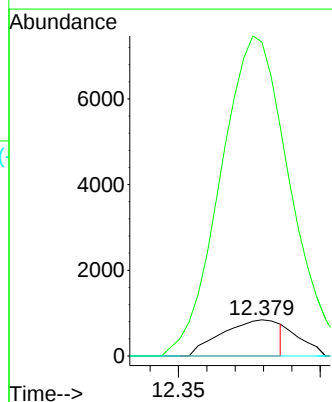
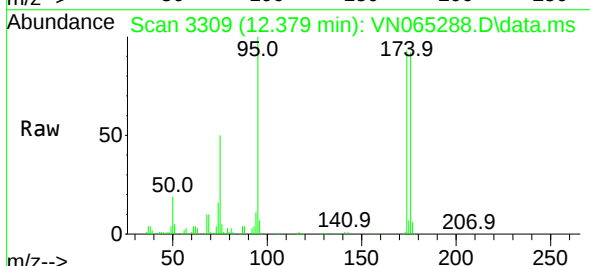


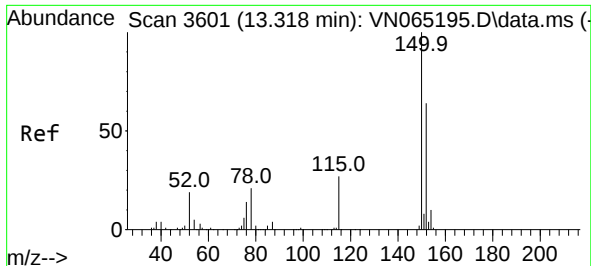
Tgt Ion:117 Resp: 415159
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.42 ug/l
RT: 12.379 min Scan# 3309
Delta R.T. 0.279 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

Tgt Ion:173 Resp: 1201
Ion Ratio Lower Upper
173 100
175 860.0 24.3 72.8#
254 0.0 0.0 0.0

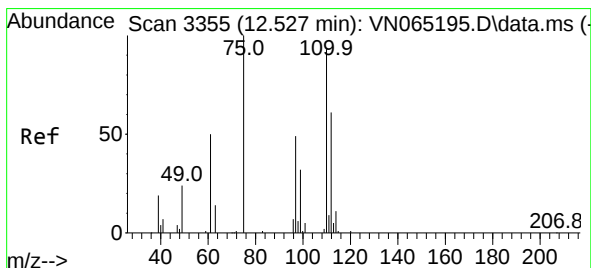
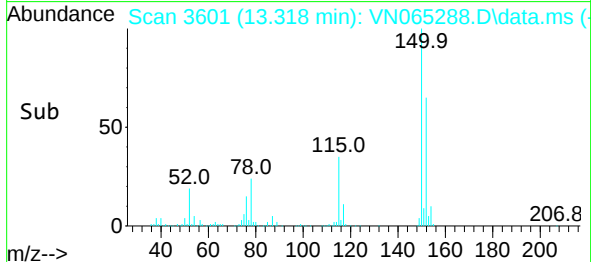
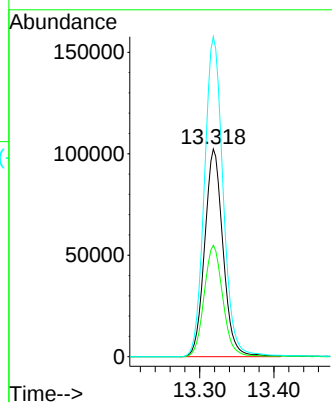
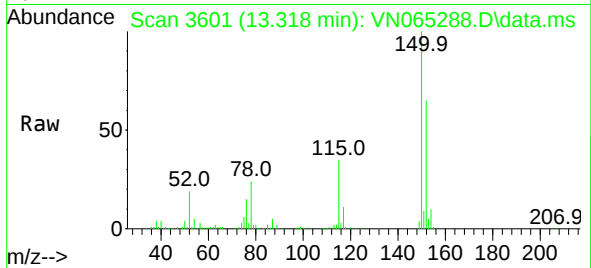




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

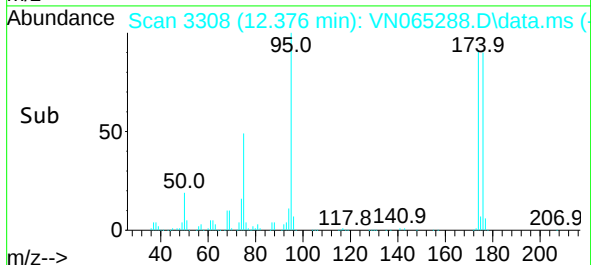
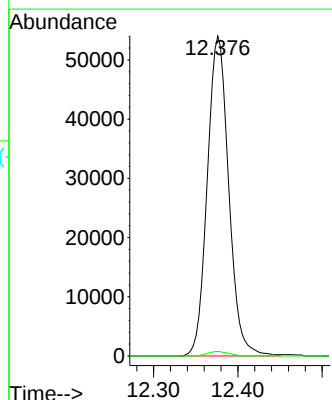
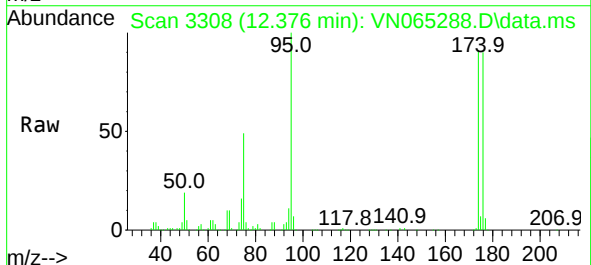
Instrument :
MSVOA_N
ClientSampled :

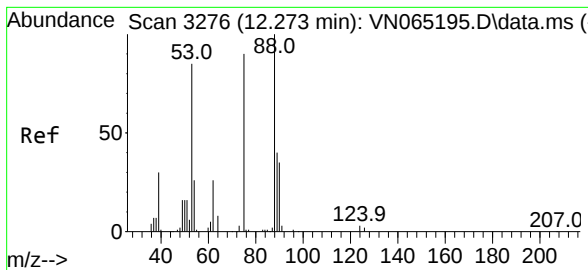
Tgt Ion:152 Resp: 175661
Ion Ratio Lower Upper
152 100
115 54.7 29.7 89.1
150 157.2 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 26.66 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065288.D
Acq: 28 Dec 2020 16:05

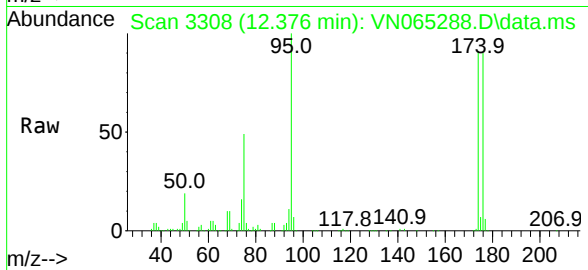
Tgt Ion: 75 Resp: 95554
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.23 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065288.D
 Acq: 28 Dec 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :



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

