

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065359.D
 Acq On : 31 Dec 2020 20:53
 Operator : JC/MD
 Sample : L5242-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-2(484+26)

Quant Time: Jan 01 01:54:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

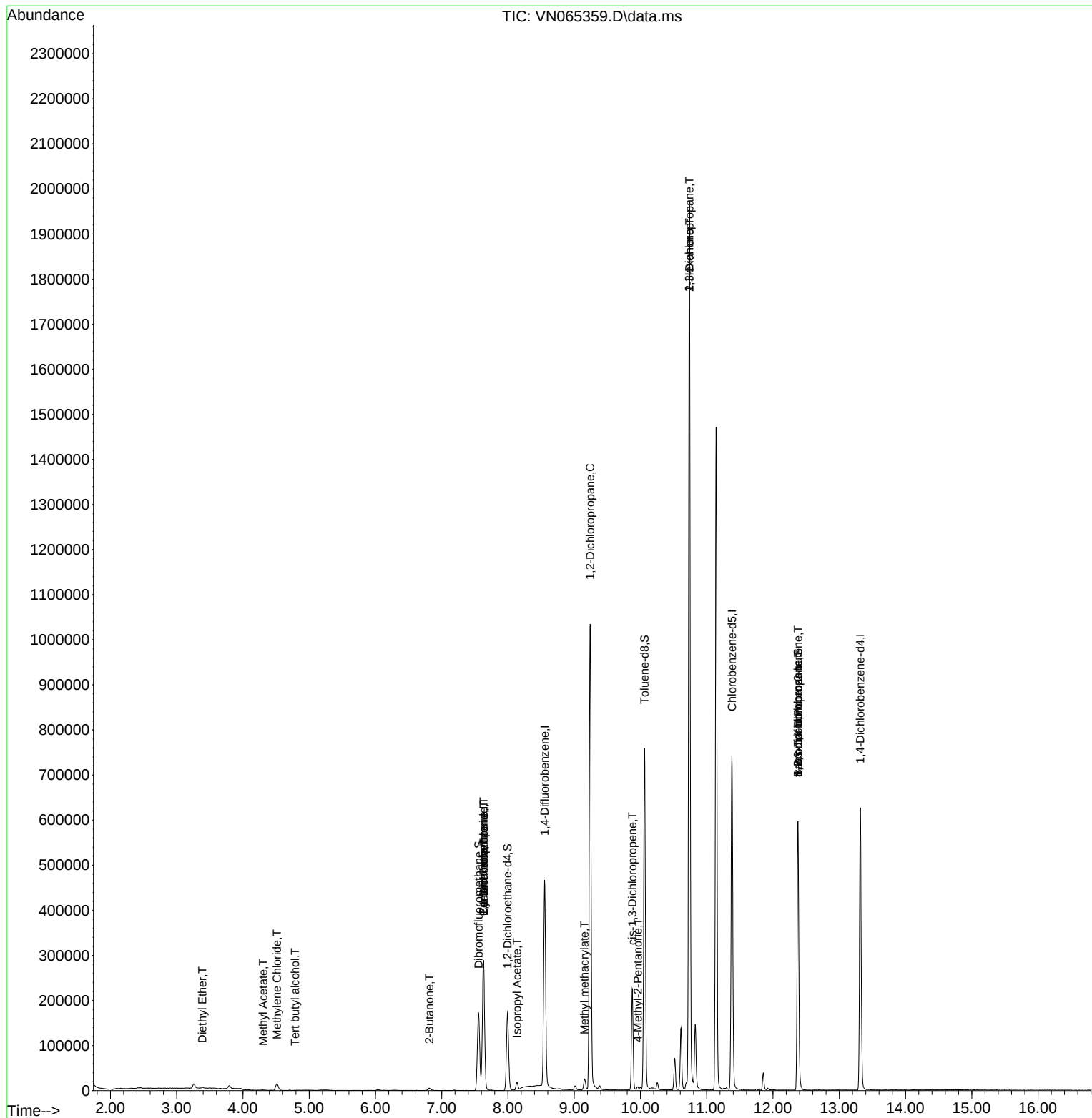
Internal Standards						
1) Pentafluorobenzene	7.630	168	259503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	430843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	466214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	191768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	148837	50.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.60%			
35) Dibromofluoromethane	7.556	113	132634	51.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.06%			
50) Toluene-d8	10.061	98	545388	55.98	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.96%			
62) 4-Bromofluorobenzene	12.376	95	209501	53.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.86%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.386	74	842	0.50	ug/l #	1
11) Tert butyl alcohol	4.788	59	157	0.33	ug/l #	73
16) Acetone	3.791	43	10887	Below Cal		100
18) Methyl Acetate	4.306	43	2542	0.97	ug/l #	65
20) Methylene Chloride	4.515	84	11721	4.10	ug/l	97
25) 2-Butanone	6.811	43	4763	2.90	ug/l	93
31) Cyclohexane	7.630	56	4411	1.02	ug/l #	11
36) 1,1-Dichloropropene	7.630	75	16537	4.22	ug/l #	48
38) Carbon Tetrachloride	7.630	117	22161	5.39	ug/l #	16
43) Isopropyl Acetate	8.135	43	22053	3.30	ug/l	96
45) 1,2-Dichloropropane	9.241	63	1128	0.37	ug/l #	43
48) Methyl methacrylate	9.155	41	6169	1.90	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	5377	1.43	ug/l	94
54) cis-1,3-Dichloropropene	9.878	75	42107	8.10	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	21099	4.40	ug/l #	42
59) 2-Hexanone	10.736	43	285675	103.28	ug/l #	50
71) Bromoform	12.376	173	1373	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	104292	26.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	104292	67.22	ug/l #	15

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

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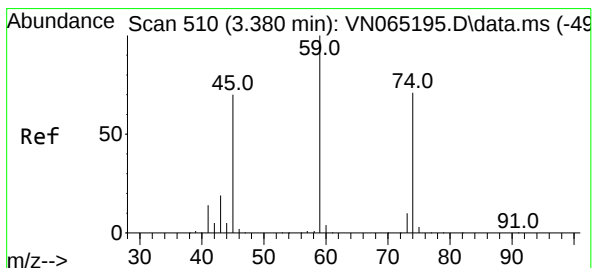
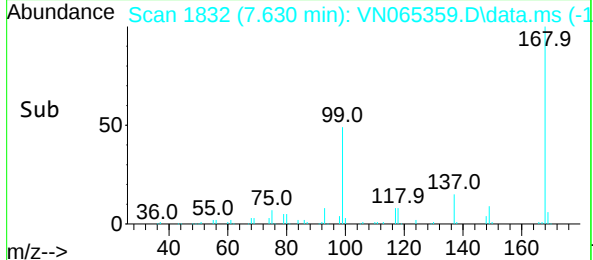
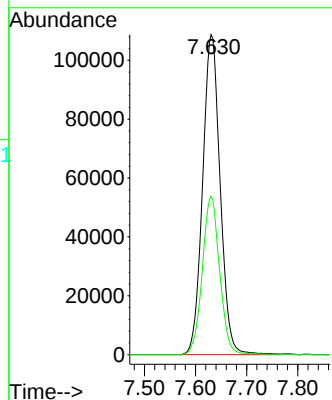
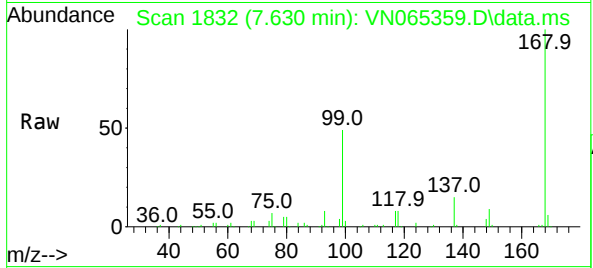




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

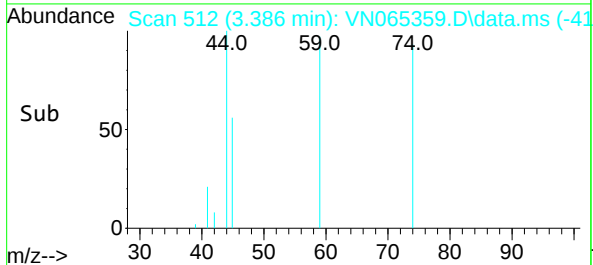
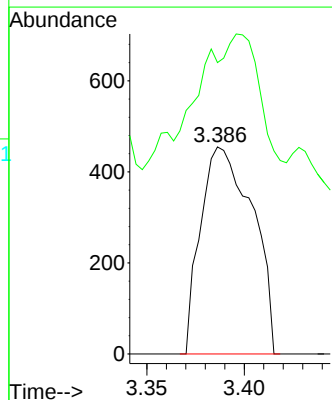
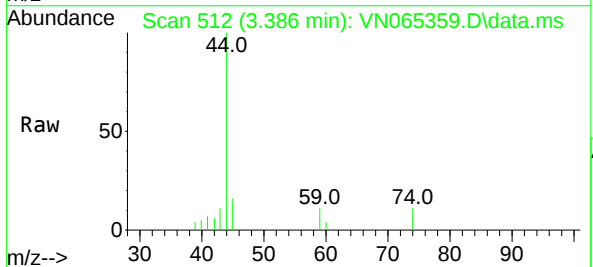
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

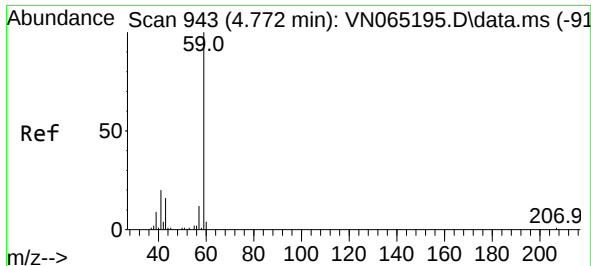
Tgt Ion:168 Resp: 259503
Ion Ratio Lower Upper
168 100
99 49.5 43.0 64.4



#8
Diethyl Ether
Concen: 0.50 ug/l
RT: 3.386 min Scan# 512
Delta R.T. 0.006 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

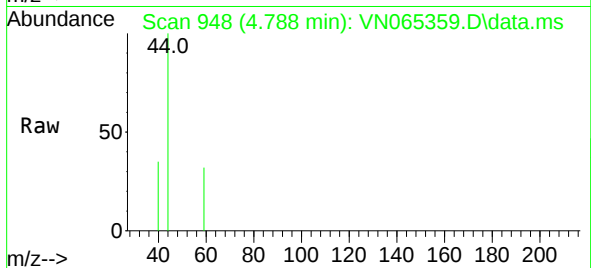
Tgt Ion: 74 Resp: 842
Ion Ratio Lower Upper
74 100
45 0.0 48.9 146.8#



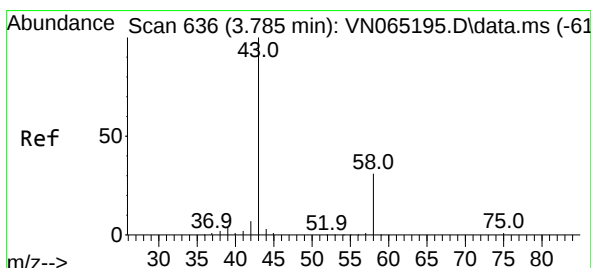
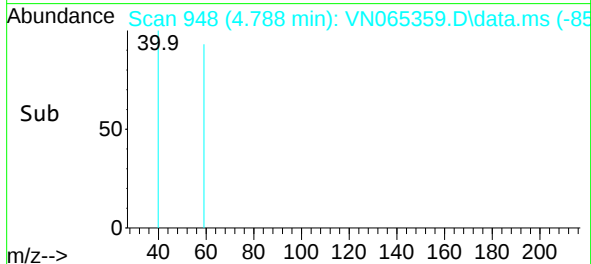
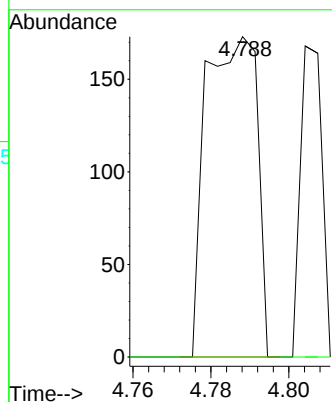


#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 4.788 min Scan# 948
Delta R.T. 0.016 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

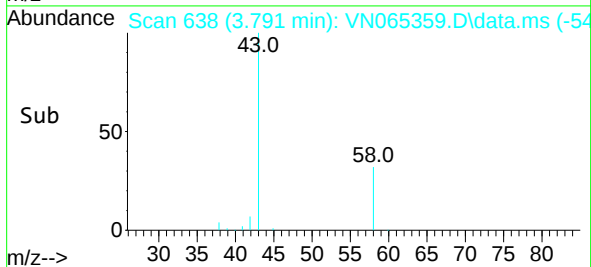
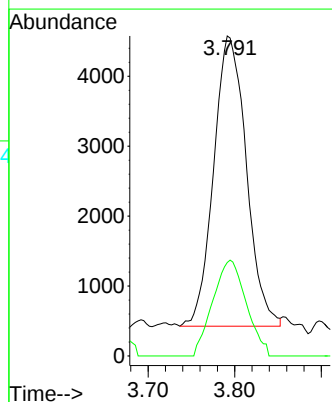
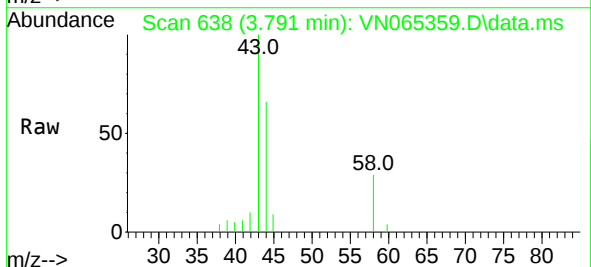


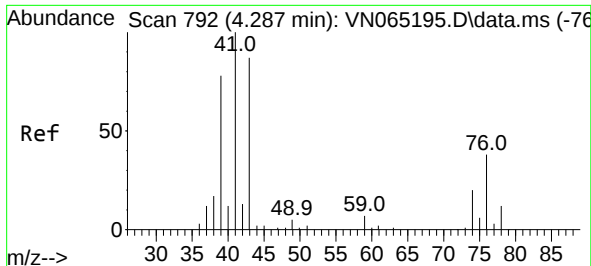
Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

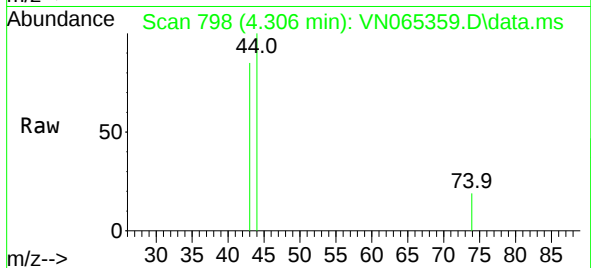
Tgt Ion: 43 Resp: 10887
Ion Ratio Lower Upper
43 100
58 32.2 25.7 38.5



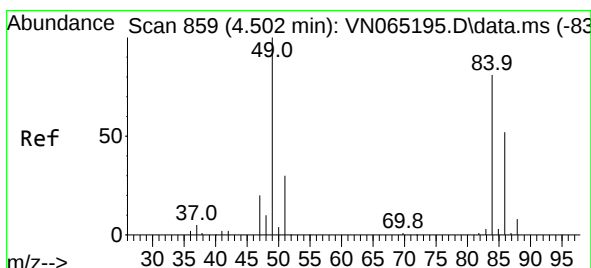
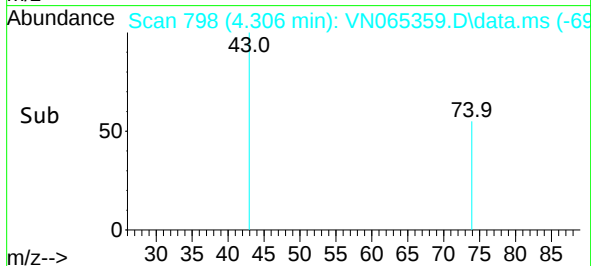
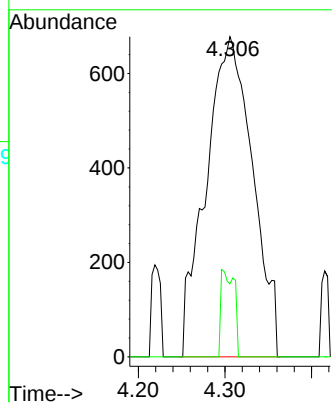


#18
Methyl Acetate
Concen: 0.97 ug/l
RT: 4.306 min Scan# 798
Delta R.T. 0.019 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

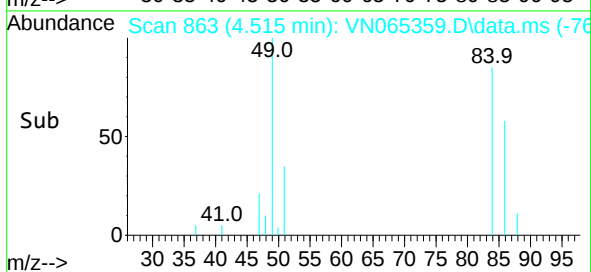
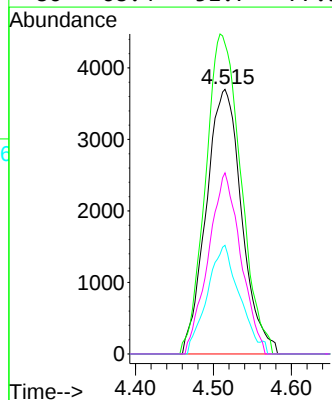
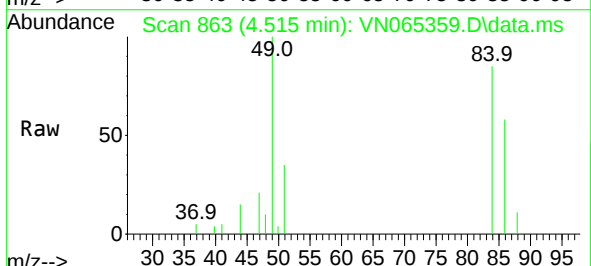


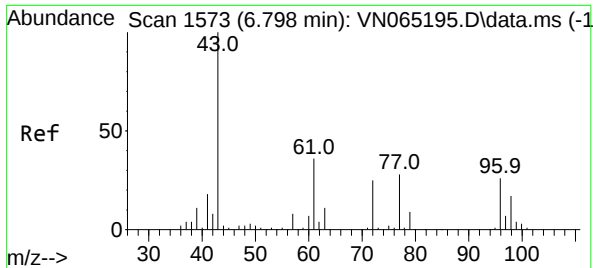
Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
74 7.7 20.2 30.2#



#20
Methylene Chloride
Concen: 4.10 ug/l
RT: 4.515 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 84 Resp: 11721
Ion Ratio Lower Upper
84 100
49 117.2 93.4 140.0
51 41.0 28.2 42.4
86 68.4 51.7 77.5

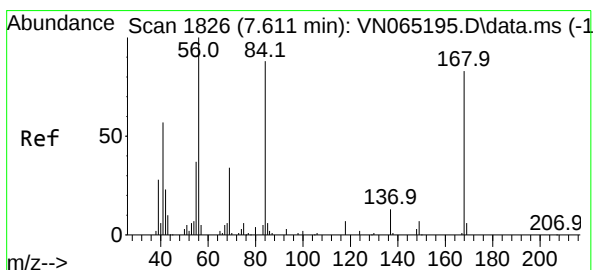
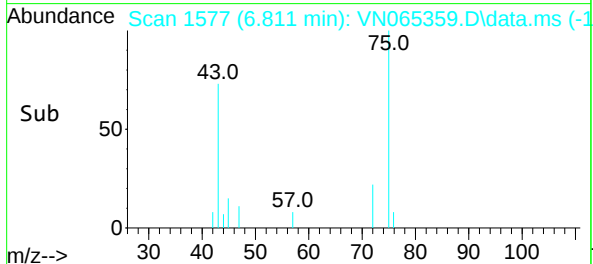
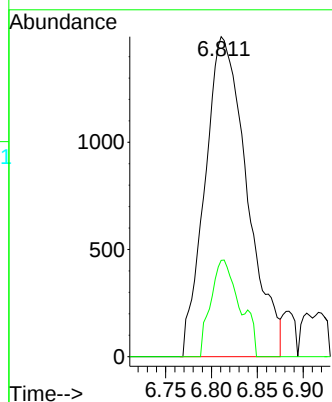
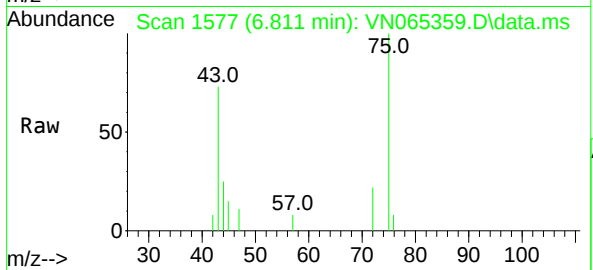




#25
2-Butanone
Concen: 2.90 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

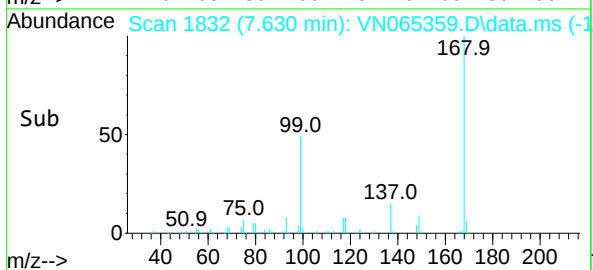
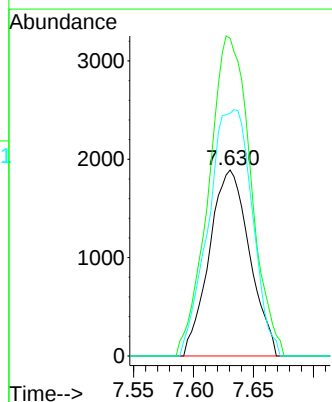
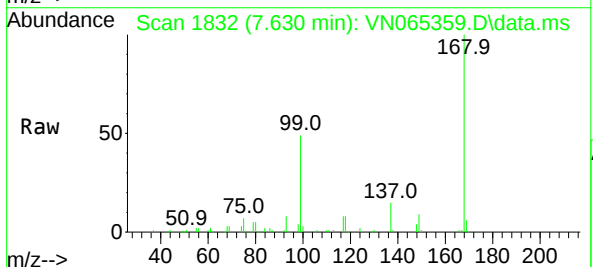
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

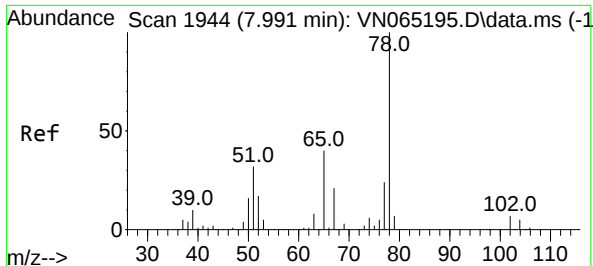
Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
72 30.1 21.0 31.6



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 56 Resp: 4411
Ion Ratio Lower Upper
56 100
69 162.9 27.5 41.3#
84 130.4 73.9 110.9#

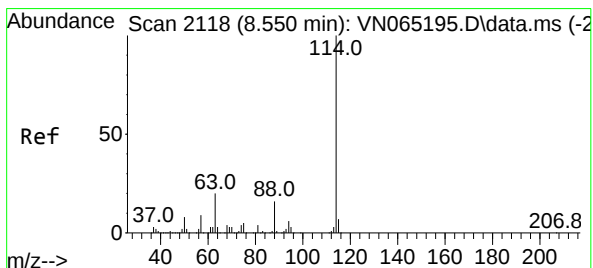
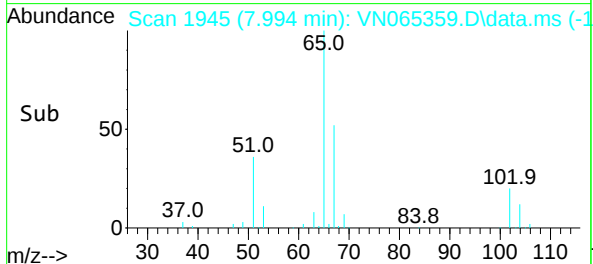
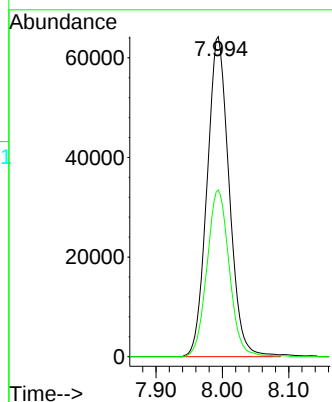
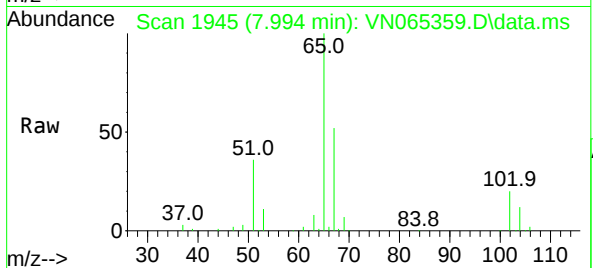




#33
1,2-Dichloroethane-d4
Concen: 50.80 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

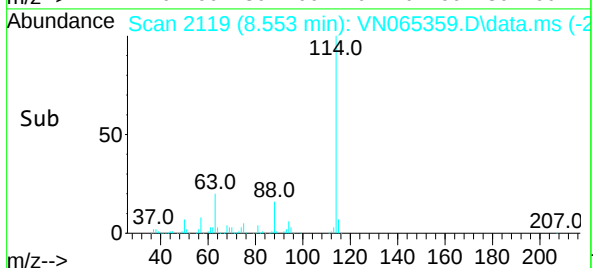
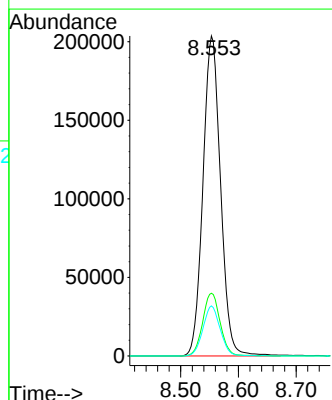
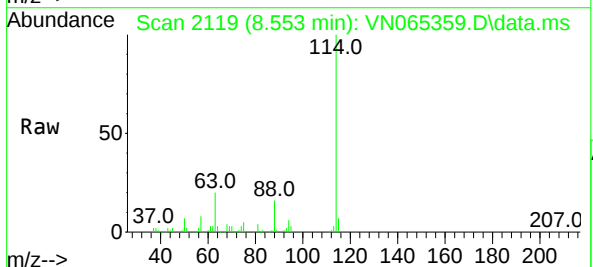
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

Tgt Ion: 65 Resp: 148837
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

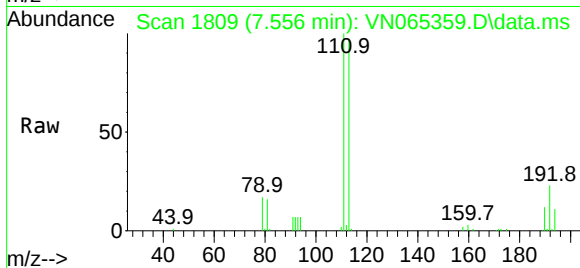
Tgt Ion: 114 Resp: 430843
Ion Ratio Lower Upper
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63 19.6 0.0 38.6
88 15.7 0.0 32.6



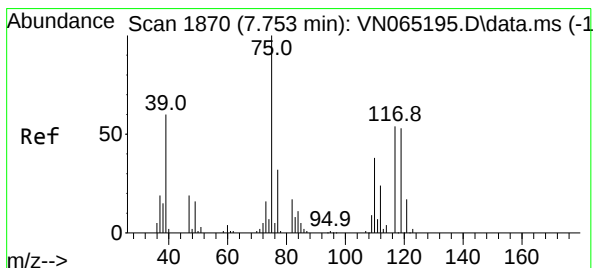
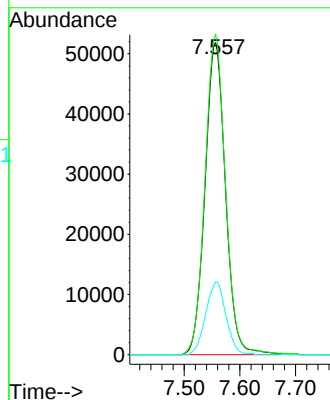
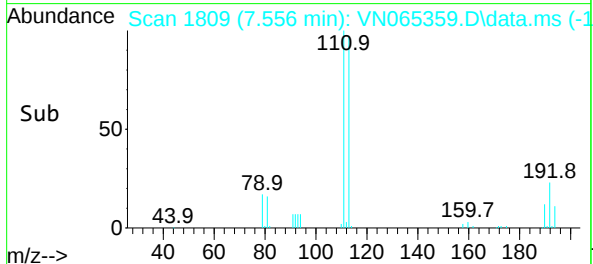


#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

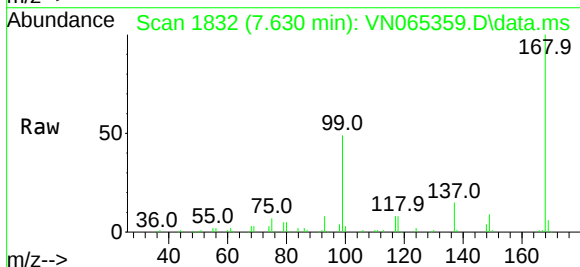
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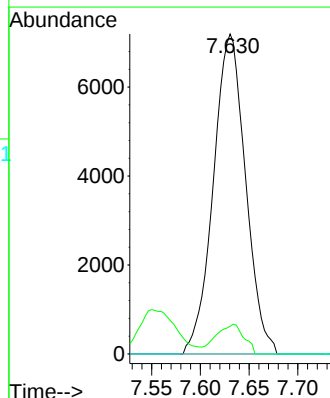
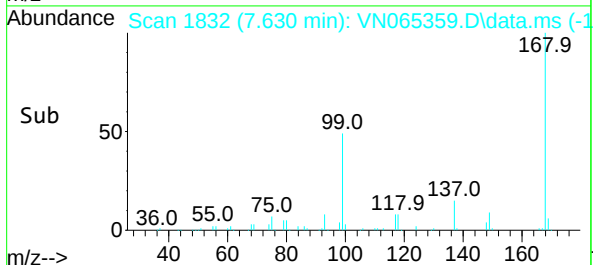
Tgt Ion:113 Resp: 132634
Ion Ratio Lower Upper
113 100
111 102.8 81.6 122.4
192 23.1 16.2 24.2

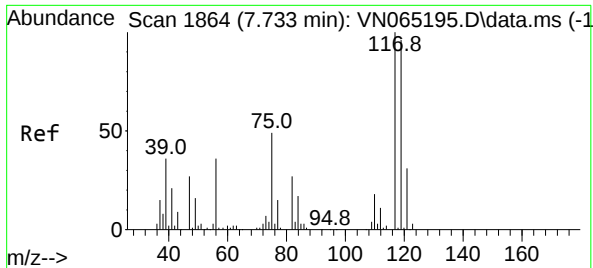


#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53



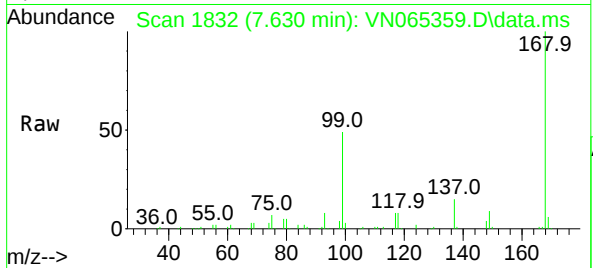
Tgt Ion: 75 Resp: 16537
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#



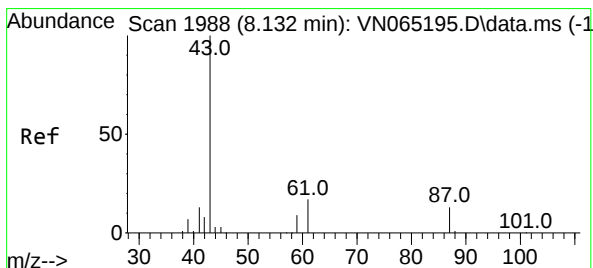
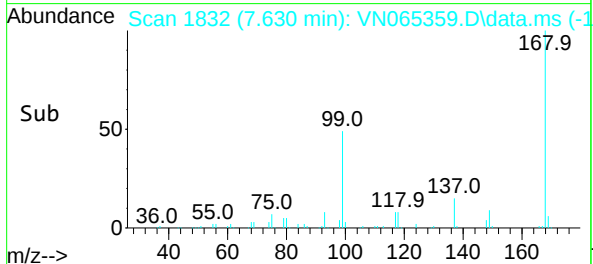
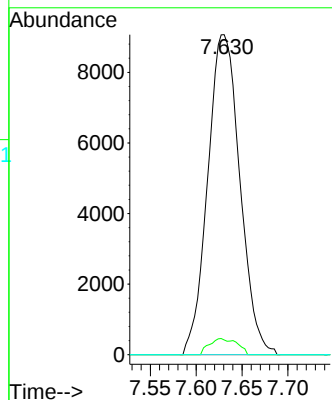


#38
Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

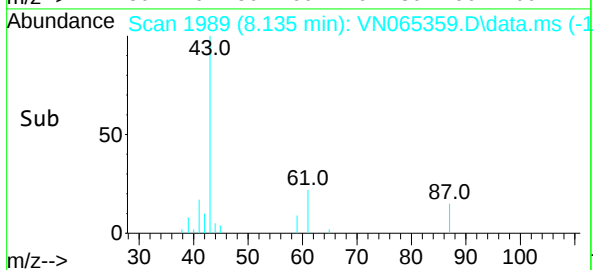
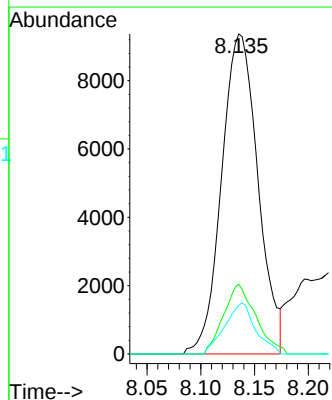
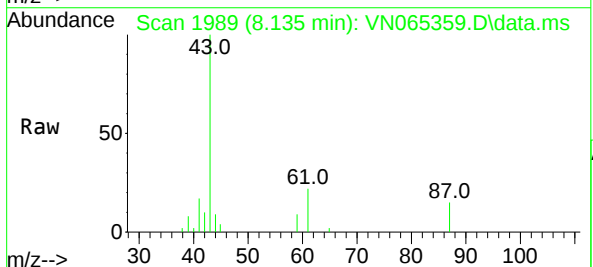


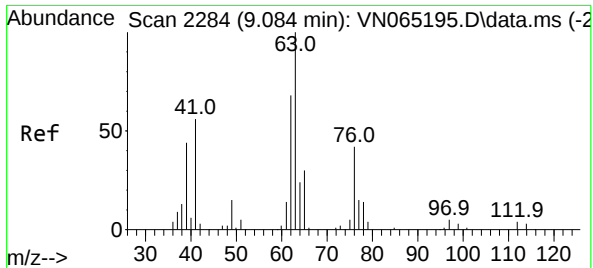
Tgt Ion:117 Resp: 22161
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.30 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 43 Resp: 22053
Ion Ratio Lower Upper
43 100
61 19.3 17.2 25.8
87 13.4 11.4 17.0

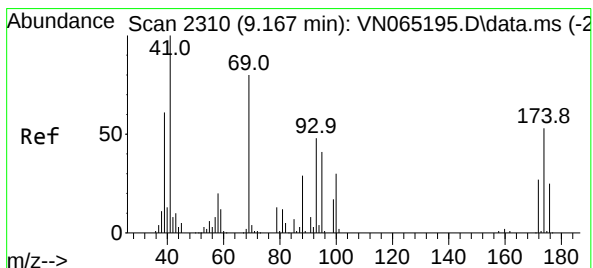
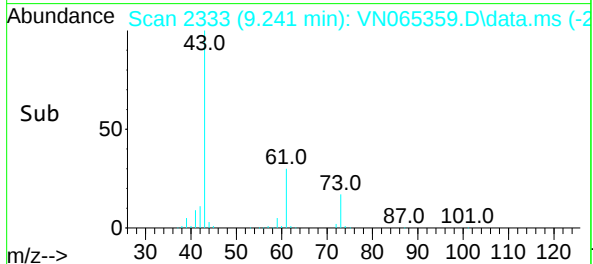
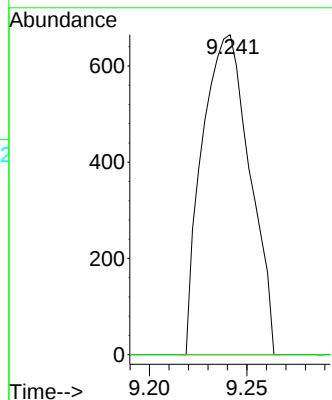
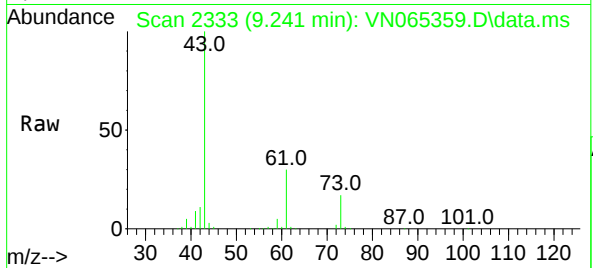




#45
1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

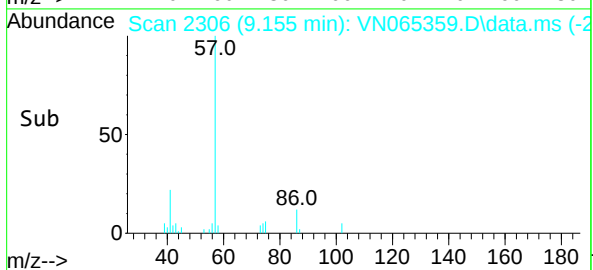
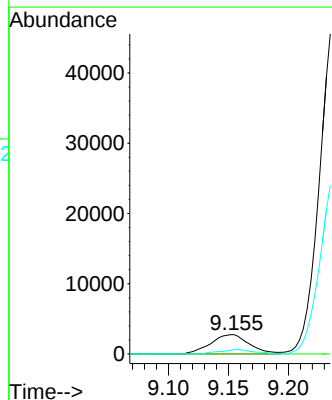
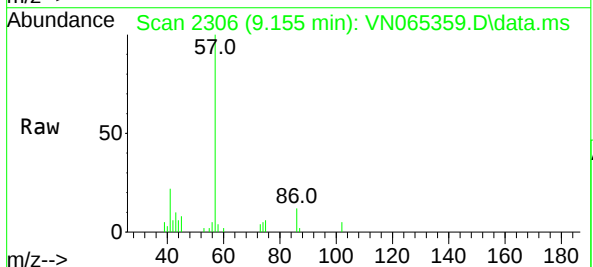
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

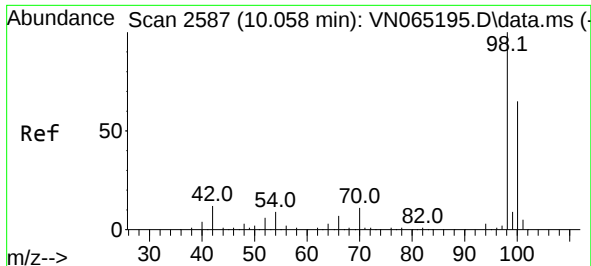
Tgt Ion: 63 Resp: 1128
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.155 min Scan# 2306
Delta R.T. -0.012 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 41 Resp: 6169
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

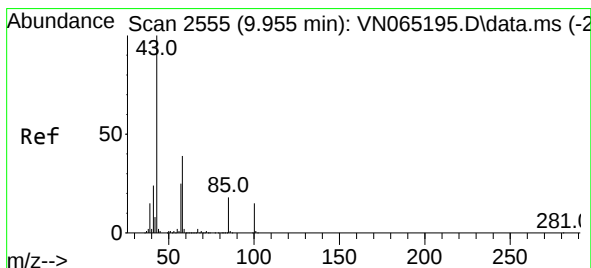
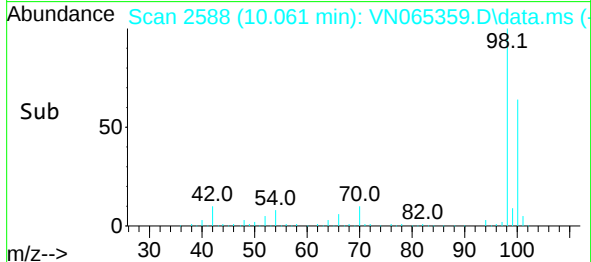
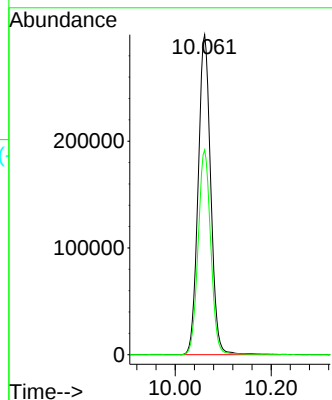
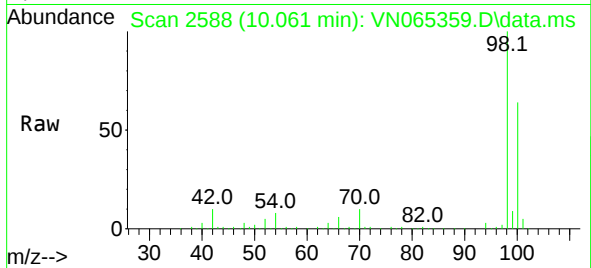




#50
Toluene-d8
Concen: 55.98 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

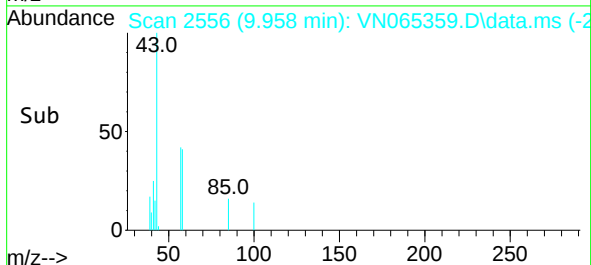
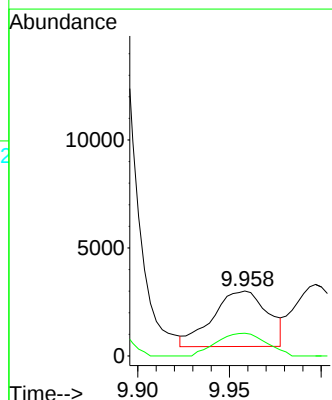
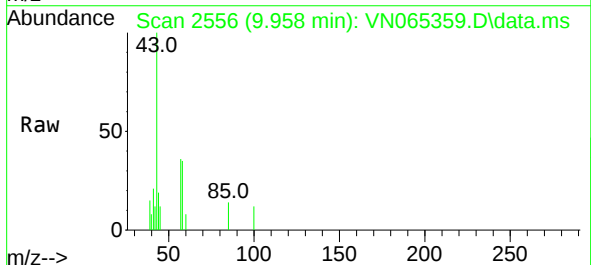
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

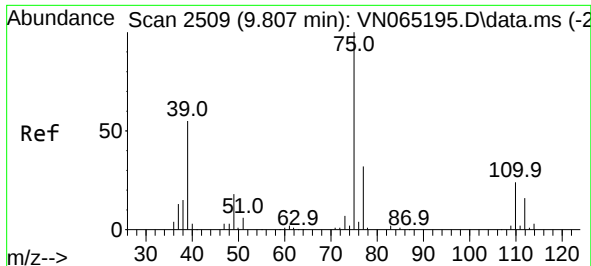
Tgt Ion: 98 Resp: 545388
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.43 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 43 Resp: 5377
Ion Ratio Lower Upper
43 100
58 37.0 32.4 48.6

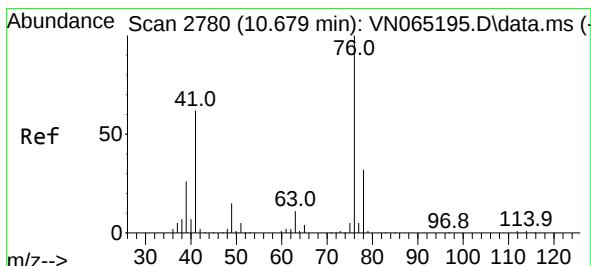
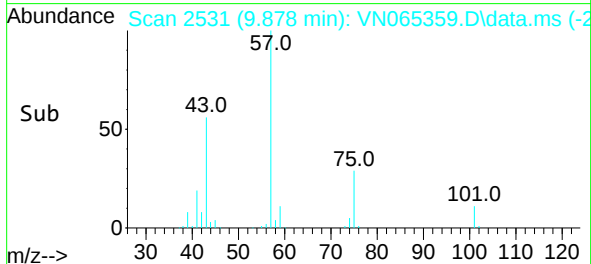
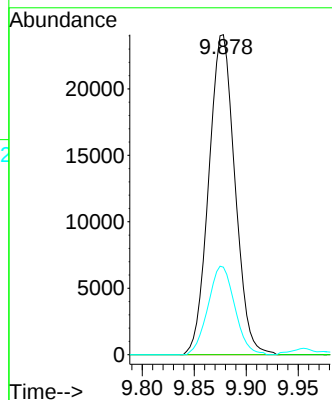
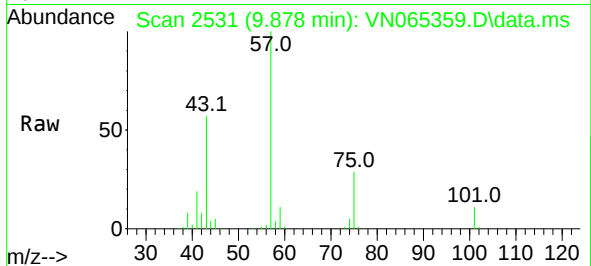




#54
cis-1,3-Dichloropropene
Concen: 8.10 ug/l
RT: 9.878 min Scan# 2531
Delta R.T. 0.071 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

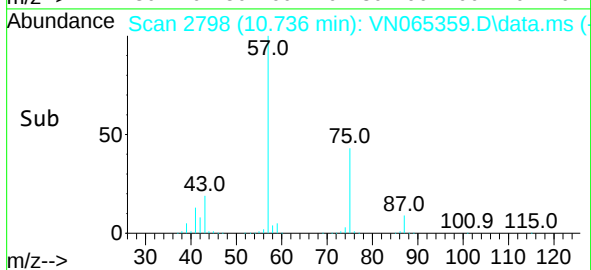
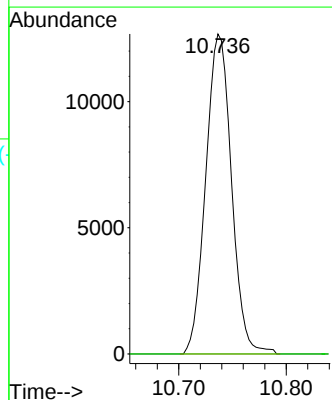
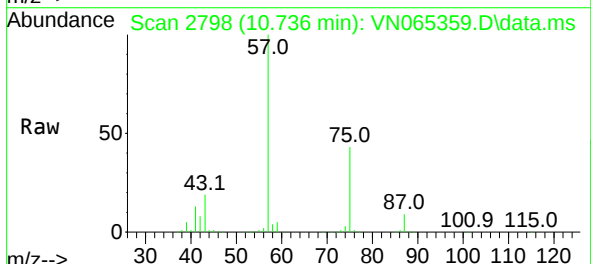
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

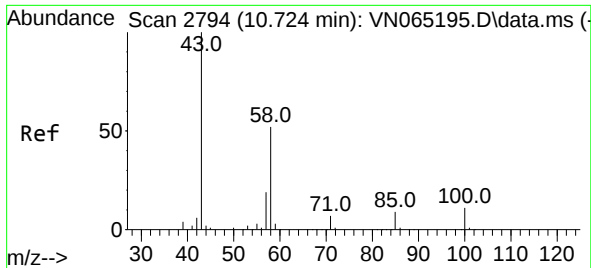
Tgt Ion: 75 Resp: 42107
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.3 35.6 53.4#



#57
1,3-Dichloropropane
Concen: 4.40 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

Tgt Ion: 76 Resp: 21099
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

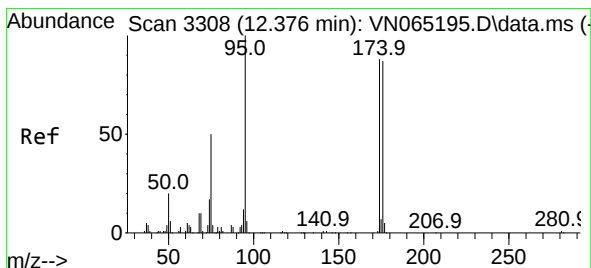
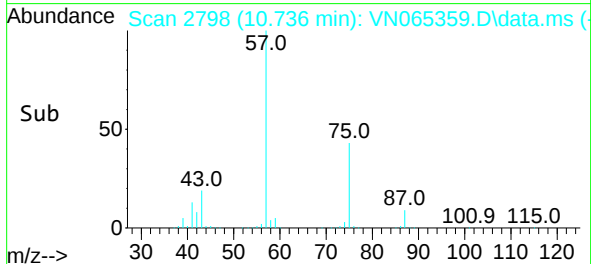
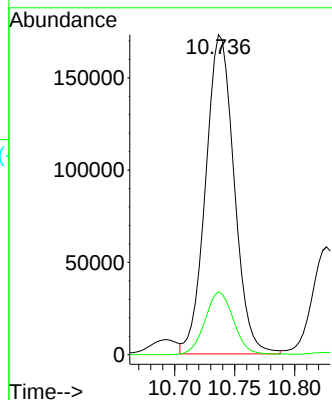
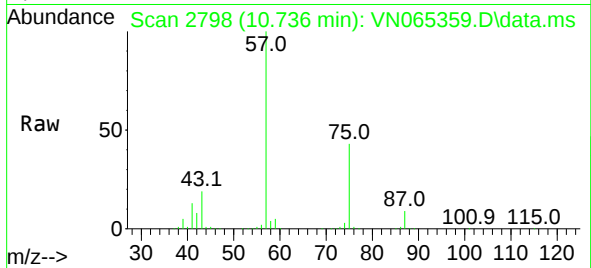




#59
2-Hexanone
Concen: 103.28 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

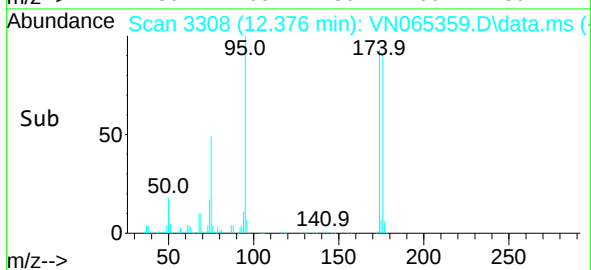
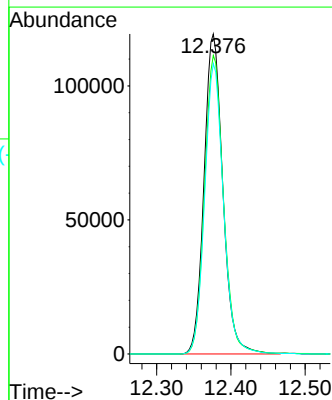
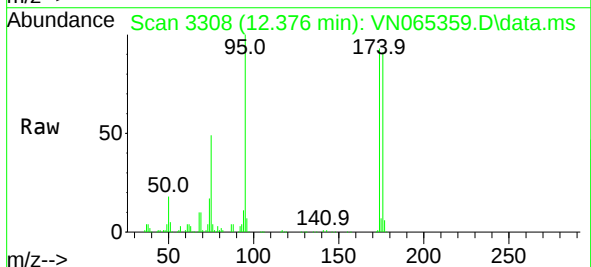
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)

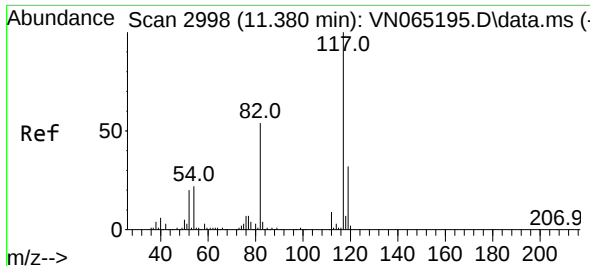
Tgt Ion: 43 Resp: 285675
Ion Ratio Lower Upper
43 100
58 19.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.93 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

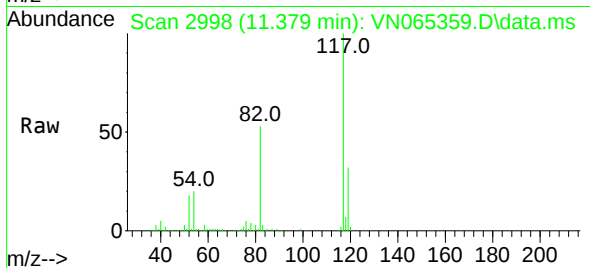
Tgt Ion: 95 Resp: 209501
Ion Ratio Lower Upper
95 100
174 93.9 0.0 160.4
176 90.7 0.0 158.4



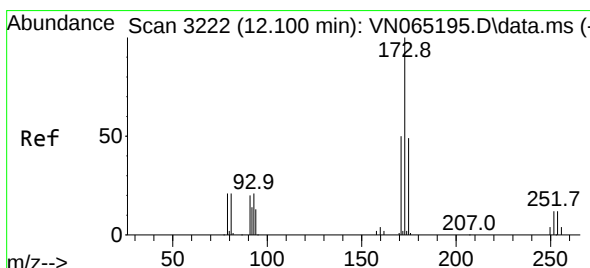
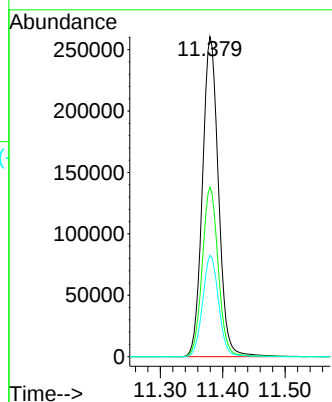
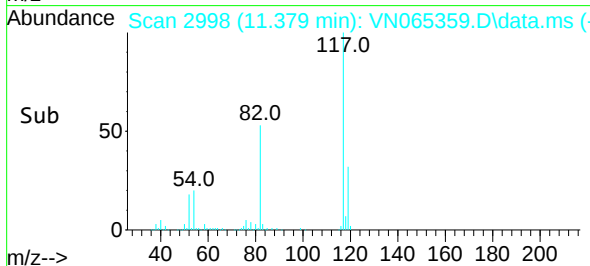


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53

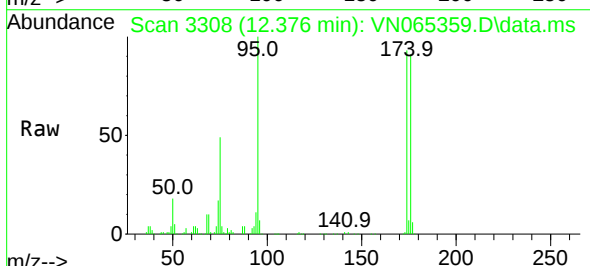
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-2(484+26)



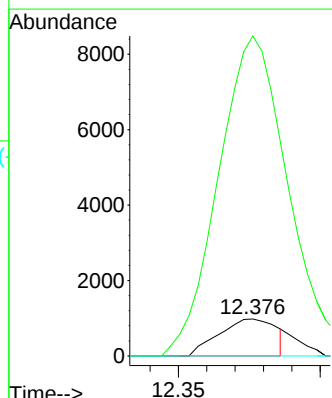
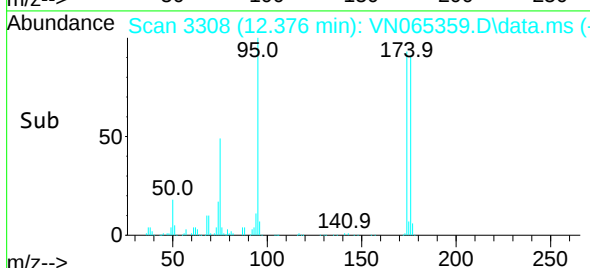
Tgt Ion:117 Resp: 466214
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 31.7 25.8 38.6

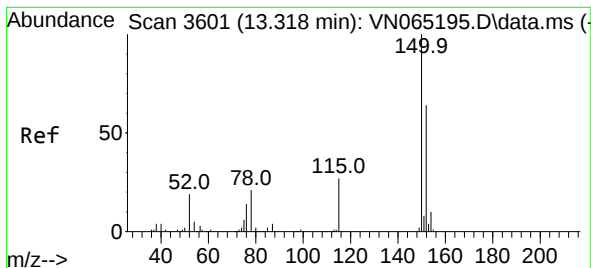


#71
Bromoform
Concen: 0.43 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065359.D
Acq: 31 Dec 2020 20:53



Tgt Ion:173 Resp: 1373
Ion Ratio Lower Upper
173 100
175 866.6 24.3 72.8#
254 0.0 0.0 0.0

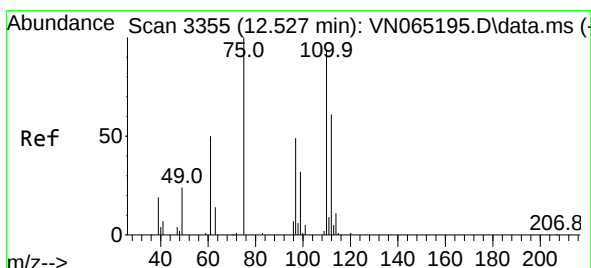
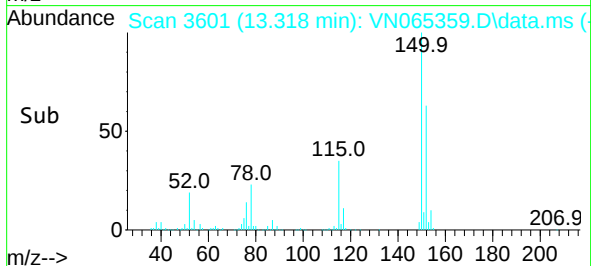
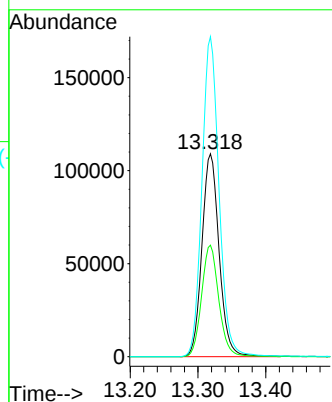
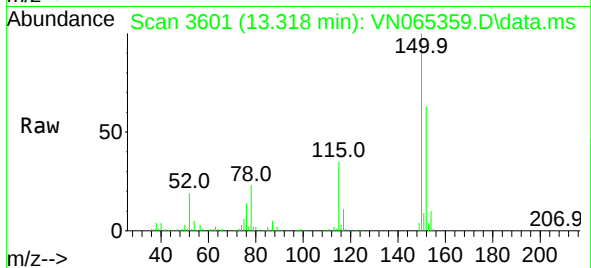




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065359.D
 Acq: 31 Dec 2020 20:53

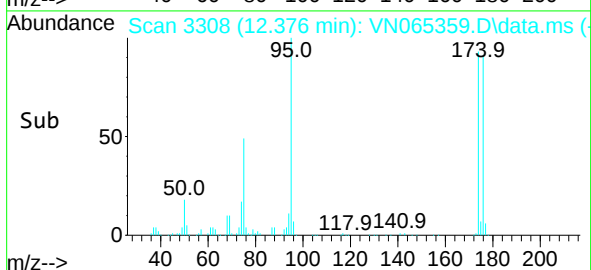
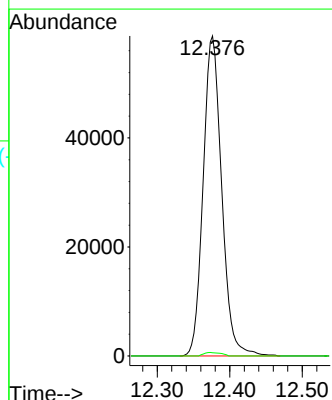
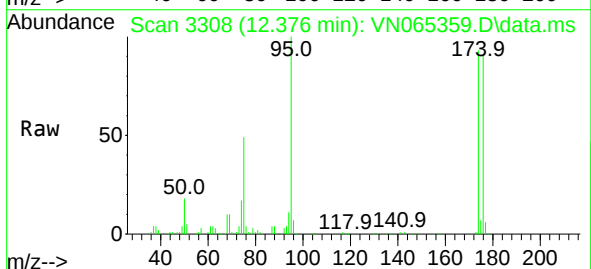
Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-2(484+26)

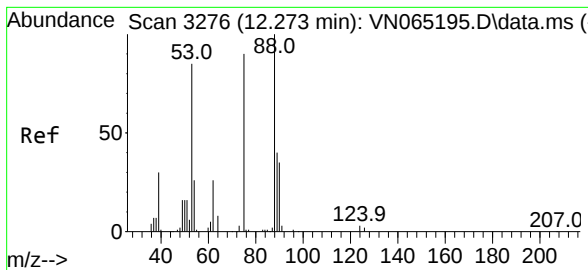
Tgt Ion:152 Resp: 191768
 Ion Ratio Lower Upper
 152 100
 115 55.2 29.7 89.1
 150 156.9 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 26.66 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065359.D
 Acq: 31 Dec 2020 20:53

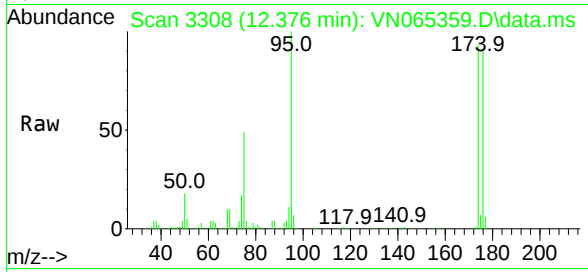
Tgt Ion: 75 Resp: 104292
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.22 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065359.D
 Acq: 31 Dec 2020 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-2(484+26)



Tgt Ion:	75	Resp:	104292
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

