

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065361.D
 Acq On : 31 Dec 2020 21:42
 Operator : JC/MD
 Sample : L5242-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-4(464+26)

Quant Time: Jan 01 01:55:28 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)

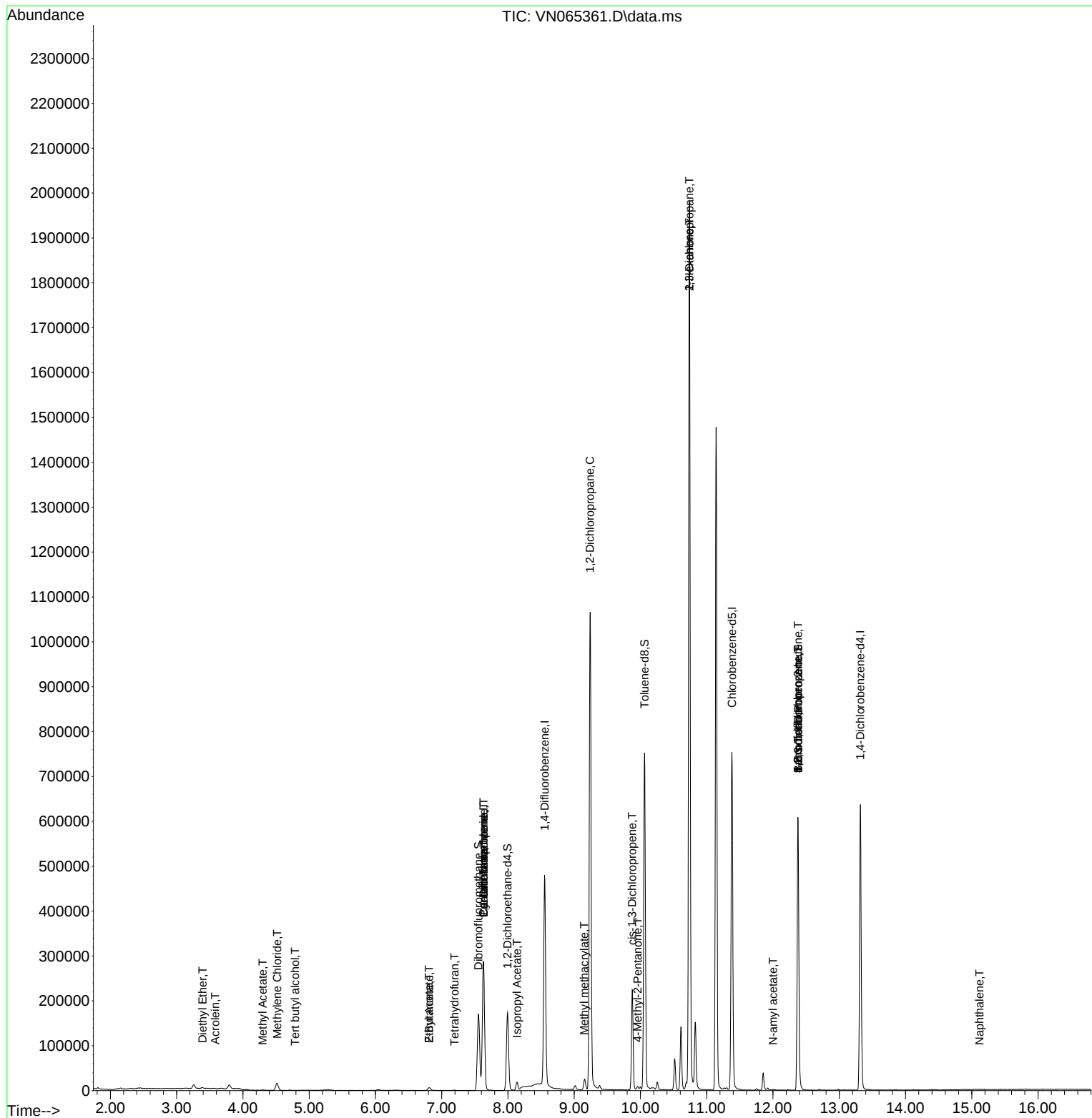
Internal Standards						
1) Pentafluorobenzene	7.630	168	259968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	439100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	472819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	195210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	149748	51.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.04%			
35) Dibromofluoromethane	7.553	113	133216	50.29	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.58%			
50) Toluene-d8	10.061	98	543872	54.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.56%			
62) 4-Bromofluorobenzene	12.376	95	214263	54.10	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.20%			
Target Compounds						Qvalue
8) Diethyl Ether	3.389	74	933	0.56	ug/l	83
11) Tert butyl alcohol	4.785	59	224	0.47	ug/l #	73
13) Acrolein	3.582	56	62	2.60	ug/l #	73
18) Methyl Acetate	4.299	43	2142	0.81	ug/l #	62
20) Methylene Chloride	4.518	84	12671	4.43	ug/l	94
25) 2-Butanone	6.807	43	4720	2.86	ug/l	93
29) Tetrahydrofuran	7.193	42	836	0.78	ug/l #	38
31) Cyclohexane	7.630	56	4233	0.98	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	16651	4.17	ug/l #	49
37) Ethyl Acetate	6.807	43	4720	1.19	ug/l #	66
38) Carbon Tetrachloride	7.630	117	21830	5.21	ug/l #	17
43) Isopropyl Acetate	8.135	43	22620	3.32	ug/l	95
45) 1,2-Dichloropropane	9.238	63	1248	0.40	ug/l #	43
48) Methyl methacrylate	9.151	41	5921	1.79	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	5526	1.44	ug/l	88
54) cis-1,3-Dichloropropene	9.875	75	42649	8.05	ug/l #	62
57) 1,3-Dichloropropane	10.736	76	21327	4.36	ug/l #	42
59) 2-Hexanone	10.736	43	286574	101.65	ug/l #	49
71) Bromoform	12.376	173	1328	0.41	ug/l #	1
74) N-amyl acetate	12.000	43	1542	0.26	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	104145	26.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	104145	65.94	ug/l #	15
95) Naphthalene	15.116	128	1058	3.47	ug/l #	69

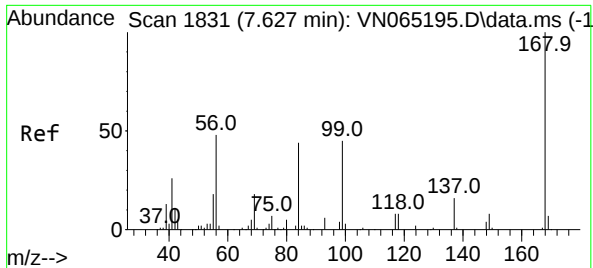
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

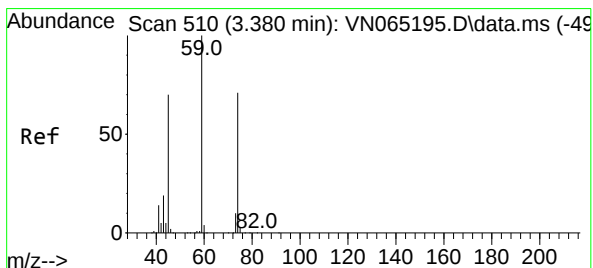
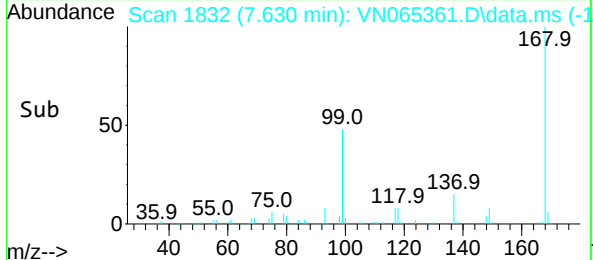
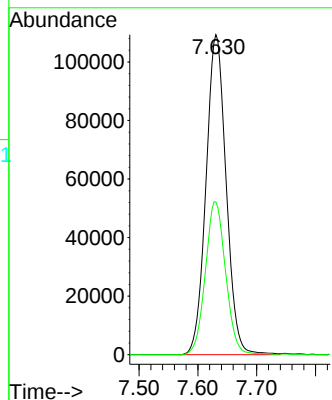
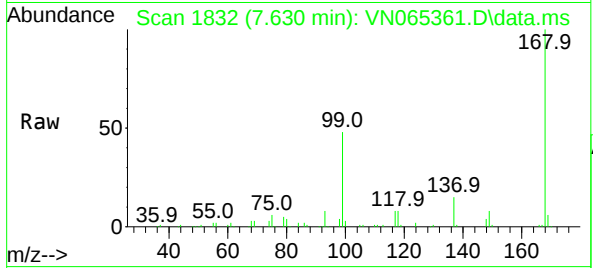




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

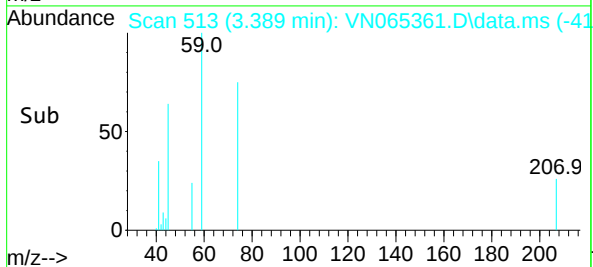
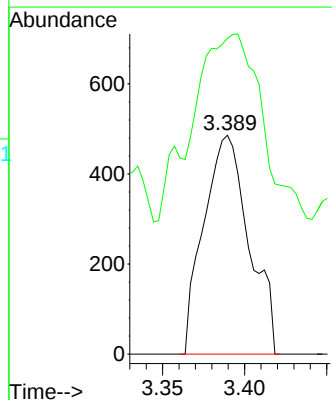
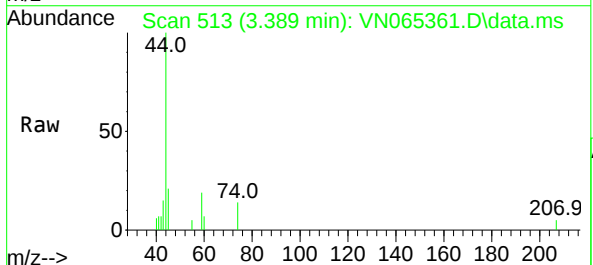
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

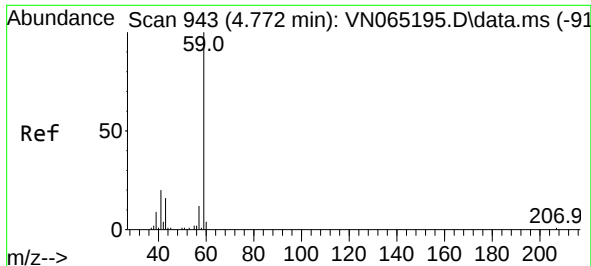
Tgt Ion:168 Resp: 259968
Ion Ratio Lower Upper
168 100
99 47.8 43.0 64.4



#8
Diethyl Ether
Concen: 0.56 ug/l
RT: 3.389 min Scan# 513
Delta R.T. 0.009 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

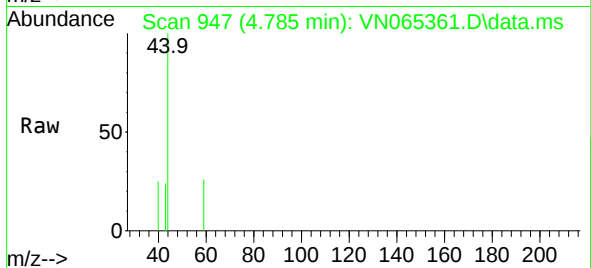
Tgt Ion: 74 Resp: 933
Ion Ratio Lower Upper
74 100
45 114.5 48.9 146.8



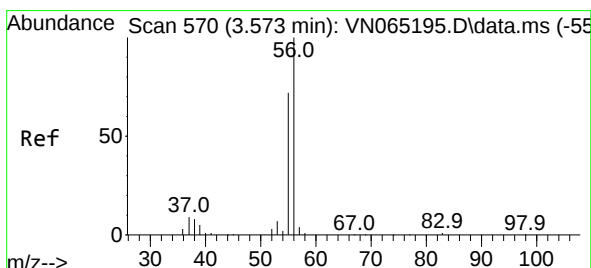
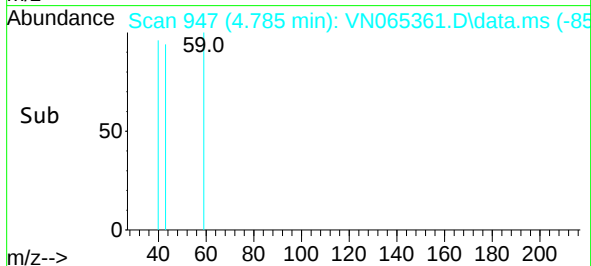
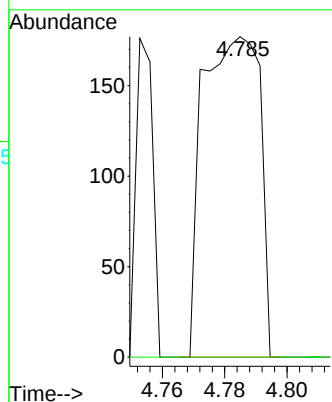


#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.785 min Scan# 947
Delta R.T. 0.013 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

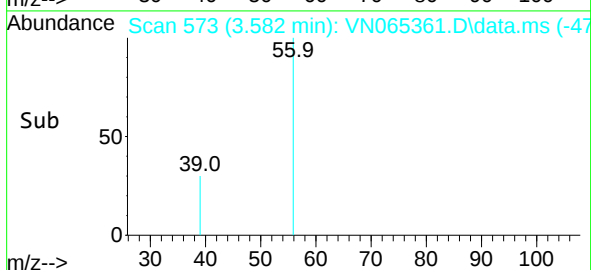
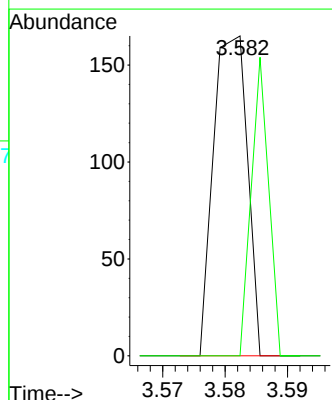
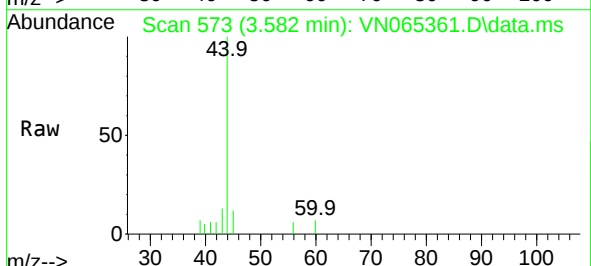


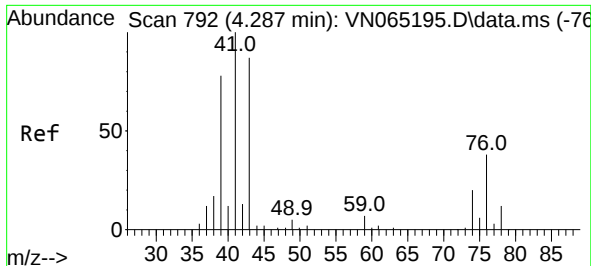
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 2.60 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.009 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

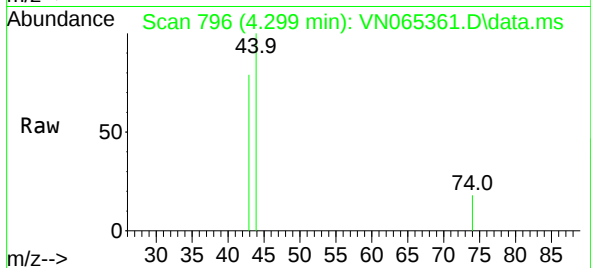
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 48.4 56.5 84.7#



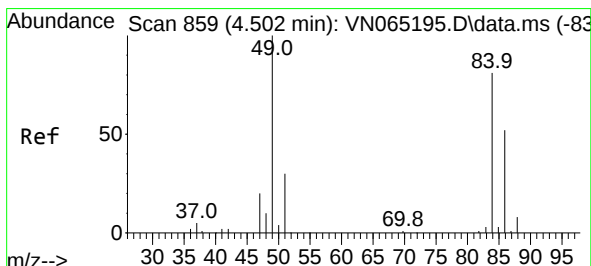
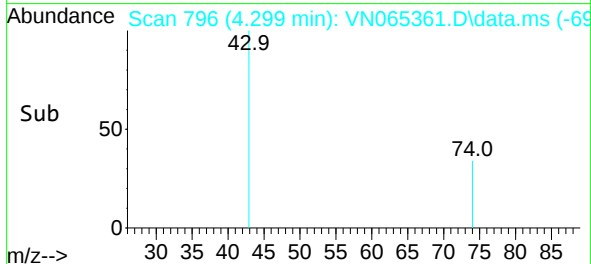
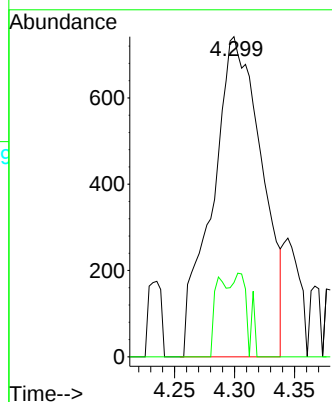


#18
Methyl Acetate
Concen: 0.81 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

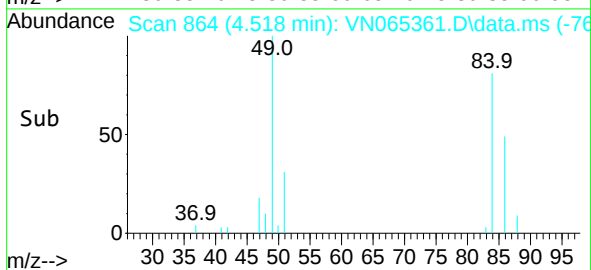
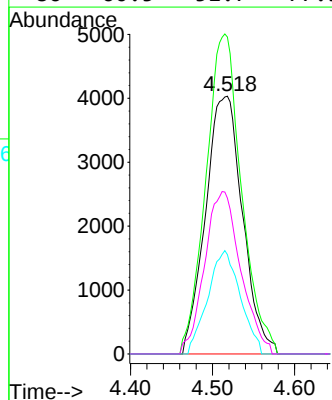
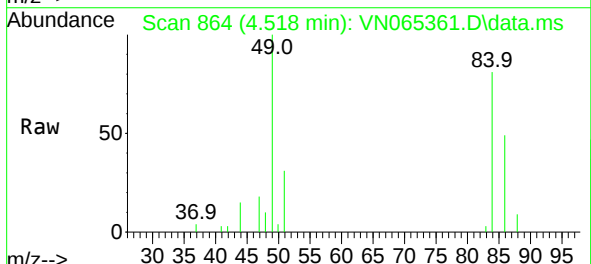


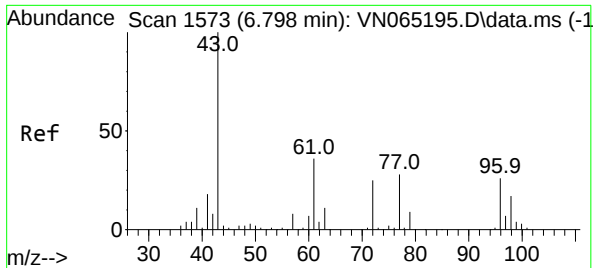
Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
74 6.0 20.2 30.2#



#20
Methylene Chloride
Concen: 4.43 ug/l
RT: 4.518 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 84 Resp: 12671
Ion Ratio Lower Upper
84 100
49 123.0 93.4 140.0
51 38.6 28.2 42.4
86 60.5 51.7 77.5

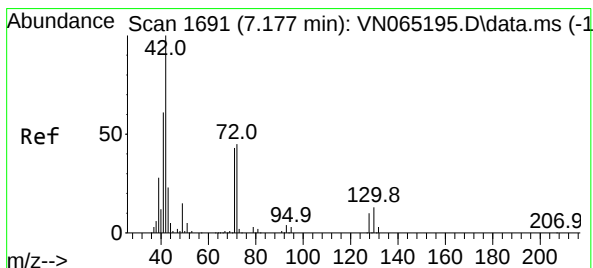
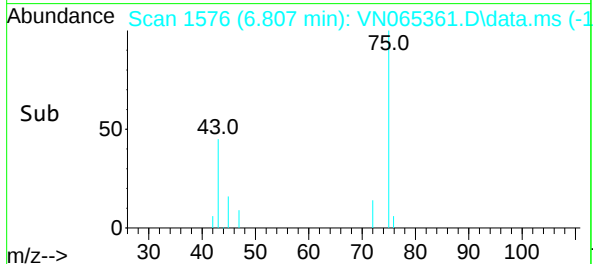
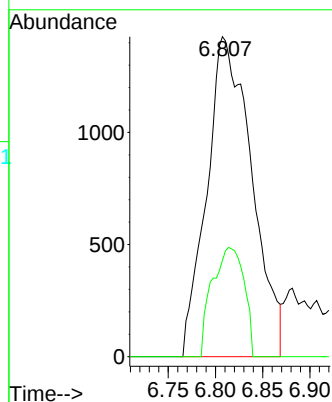
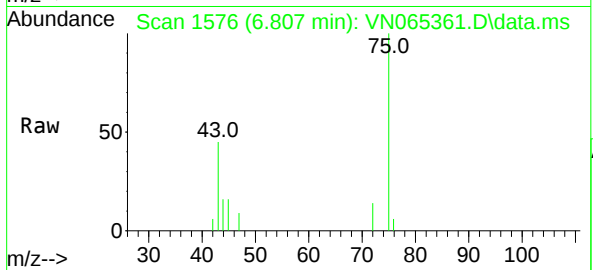




#25
2-Butanone
Concen: 2.86 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.009 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

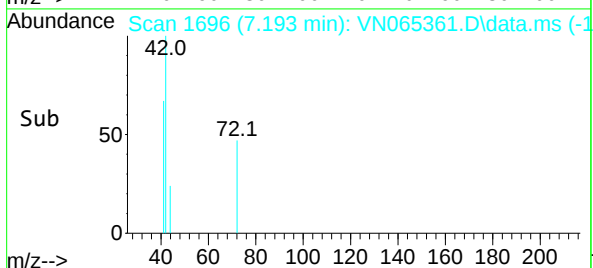
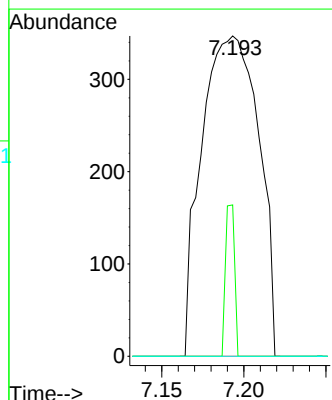
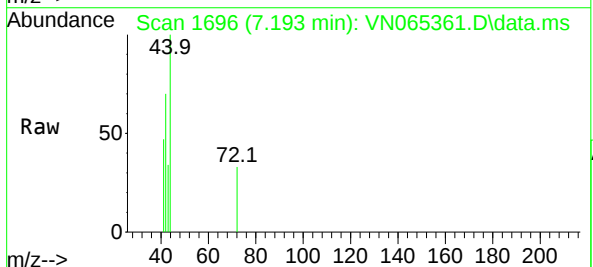
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

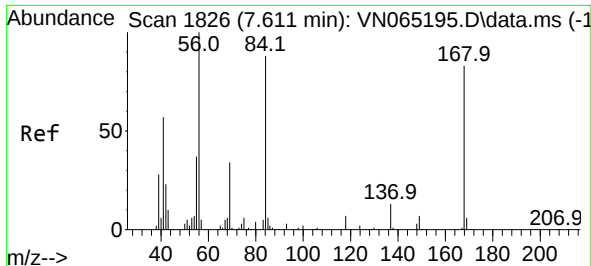
Tgt Ion: 43 Resp: 4720
Ion Ratio Lower Upper
43 100
72 30.1 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.78 ug/l
RT: 7.193 min Scan# 1696
Delta R.T. 0.016 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 42 Resp: 836
Ion Ratio Lower Upper
42 100
72 7.5 36.6 54.8#
71 0.0 33.6 50.4#

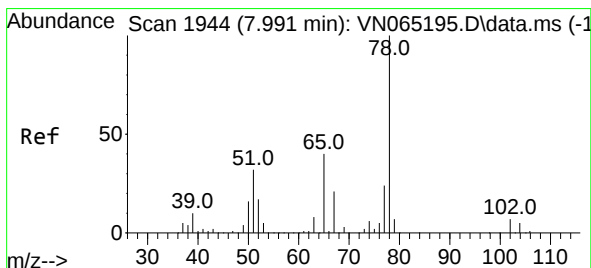
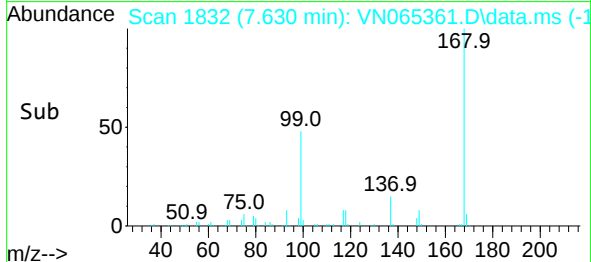
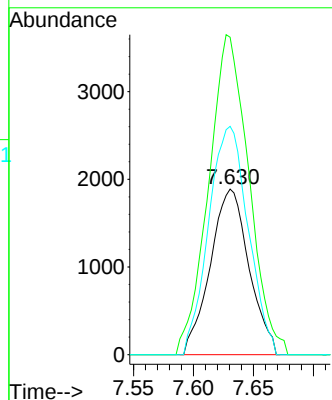
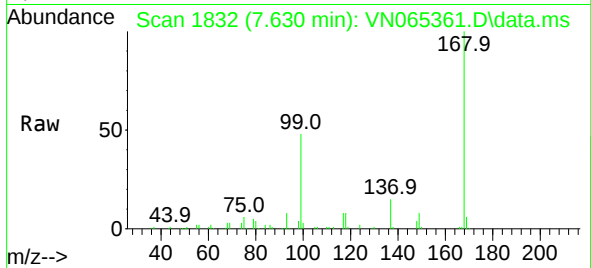




#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

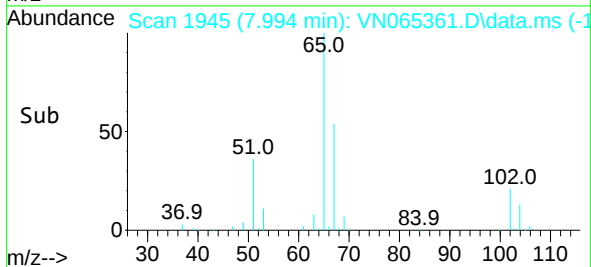
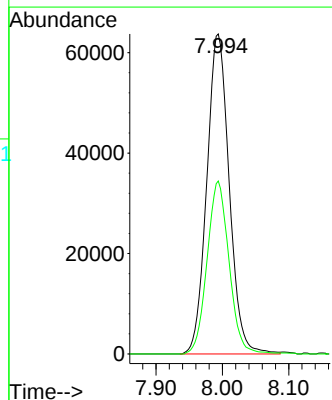
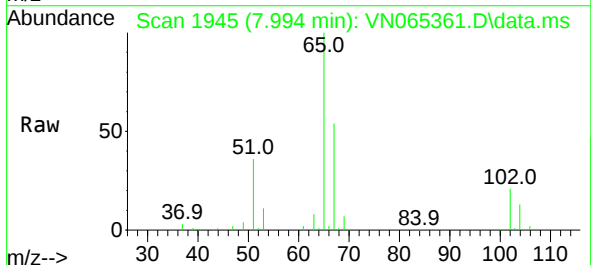
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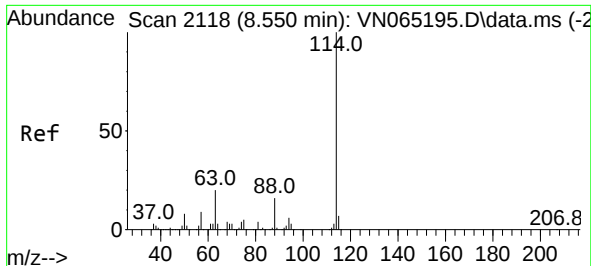
Tgt Ion: 56 Resp: 4233
Ion Ratio Lower Upper
56 100
69 182.2 27.5 41.3#
84 137.9 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 51.02 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

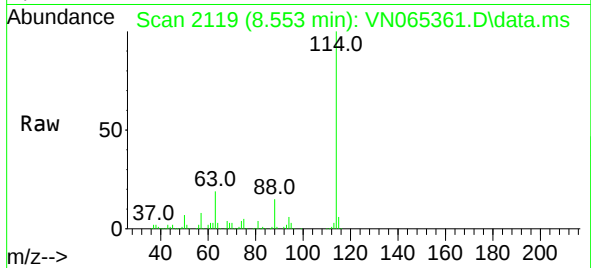
Tgt Ion: 65 Resp: 149748
Ion Ratio Lower Upper
65 100
67 52.8 0.0 108.2



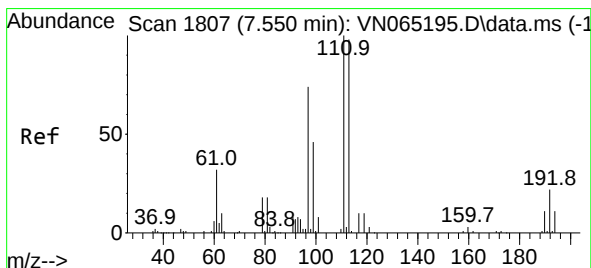
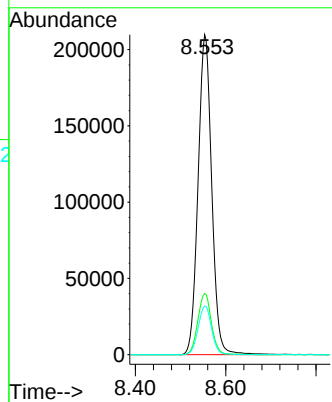
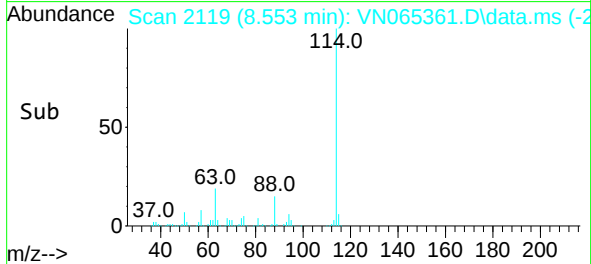


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

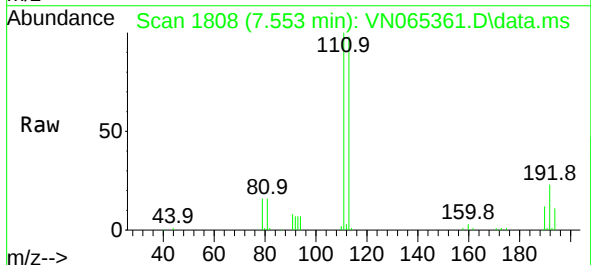
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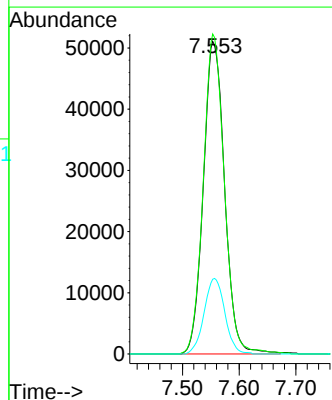
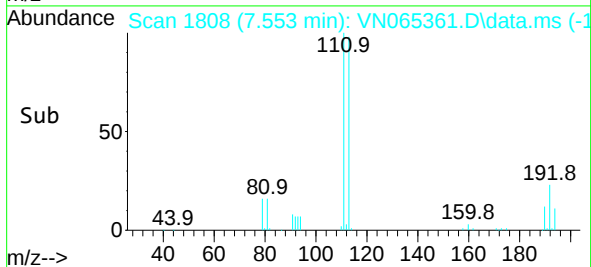
Tgt Ion:114 Resp: 439100
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.6
88 15.2 0.0 32.6

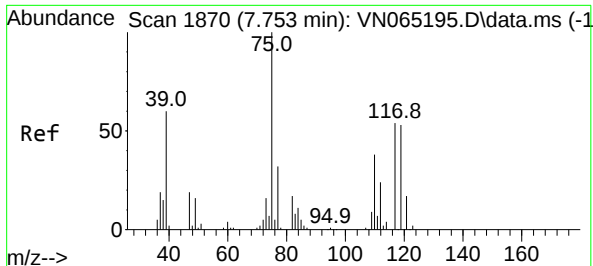


#35
Dibromofluoromethane
Concen: 50.29 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42



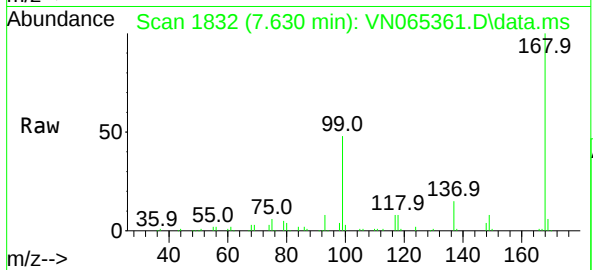
Tgt Ion:113 Resp: 133216
Ion Ratio Lower Upper
113 100
111 101.4 81.6 122.4
192 23.5 16.2 24.2



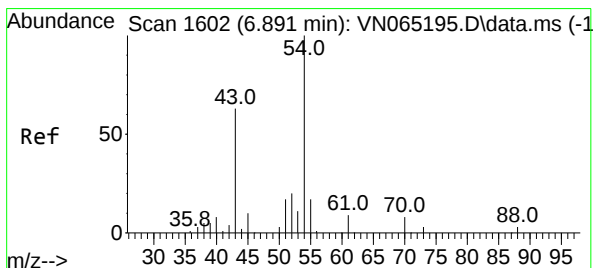
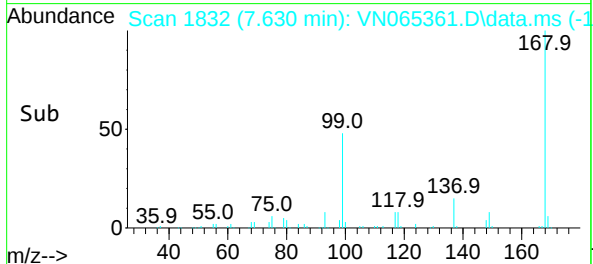
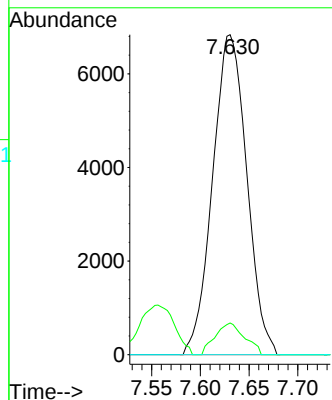


#36
1,1-Dichloropropene
Concen: 4.17 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

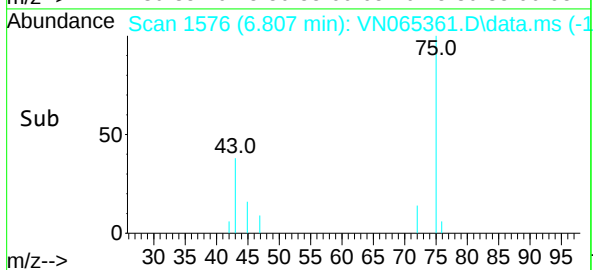
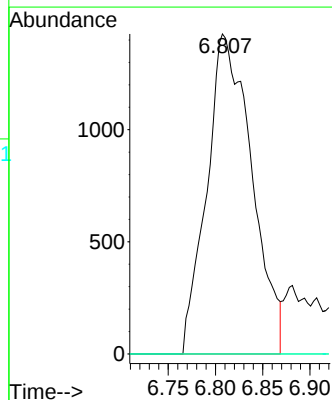
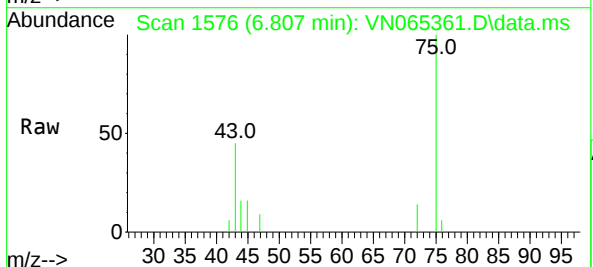


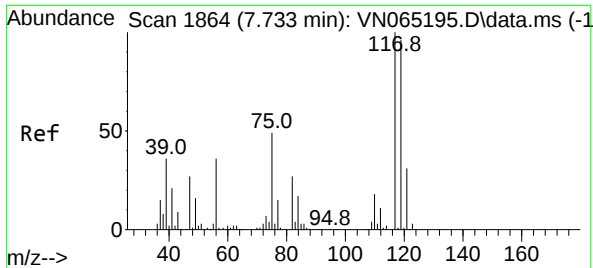
Tgt Ion: 75 Resp: 16651
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.19 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. -0.084 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

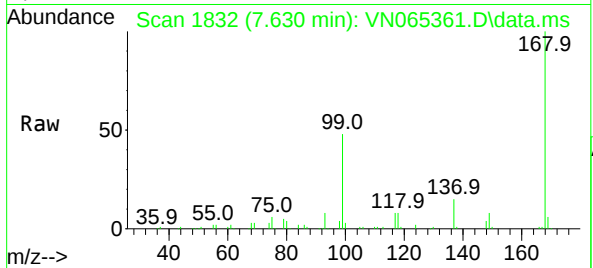
Tgt Ion: 43 Resp: 4720
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



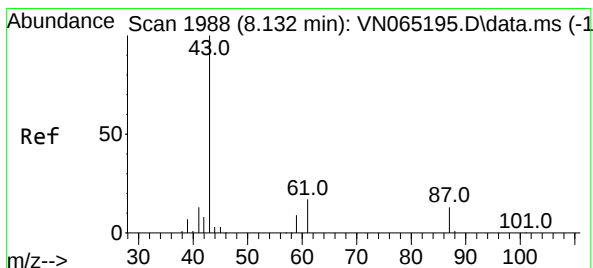
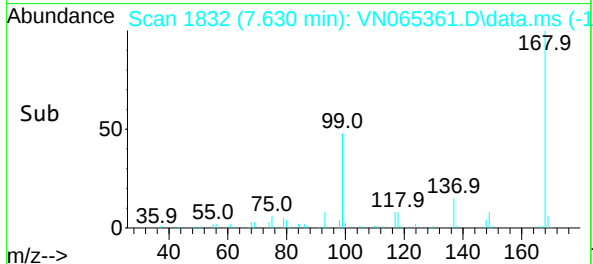
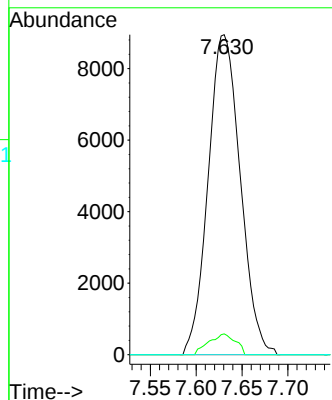


#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

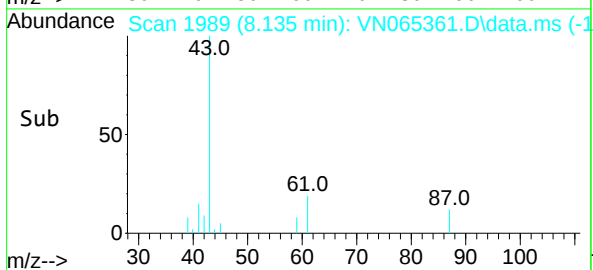
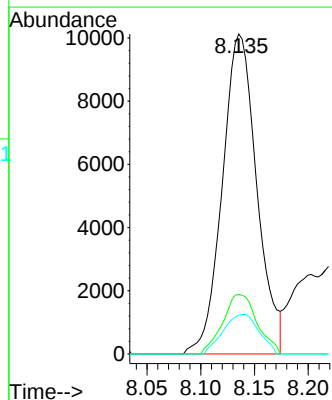
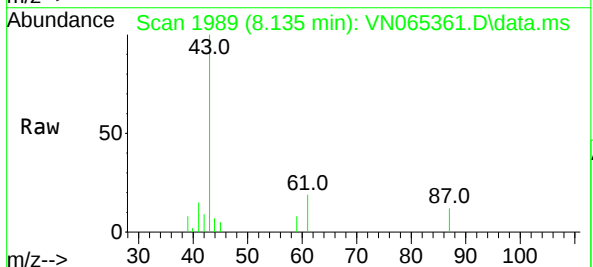


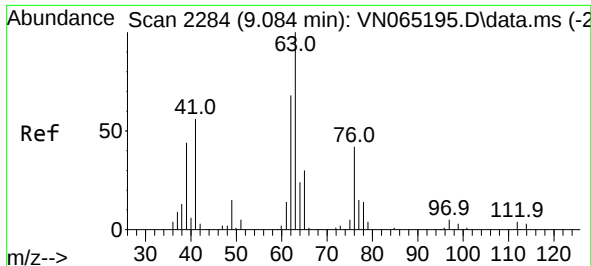
Tgt Ion:117 Resp: 21830
Ion Ratio Lower Upper
117 100
119 6.5 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.32 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 43 Resp: 22620
Ion Ratio Lower Upper
43 100
61 18.5 17.2 25.8
87 12.8 11.4 17.0

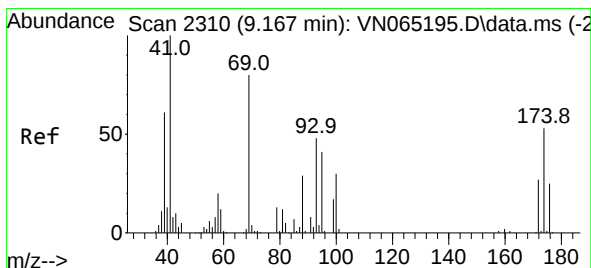
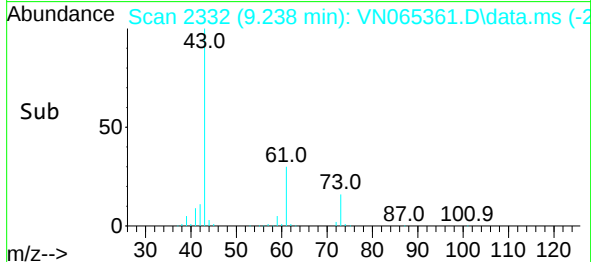
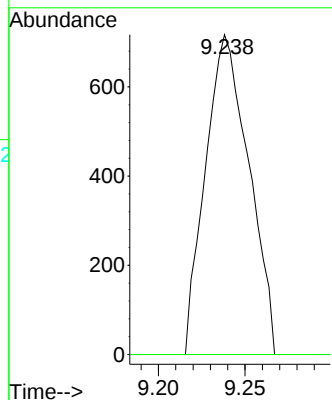
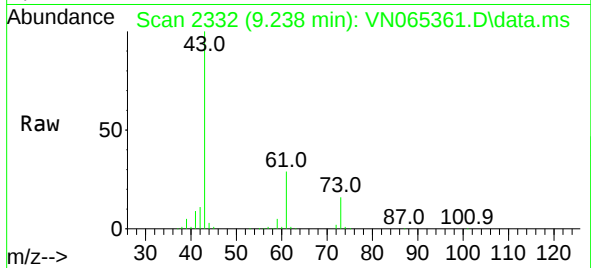




#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

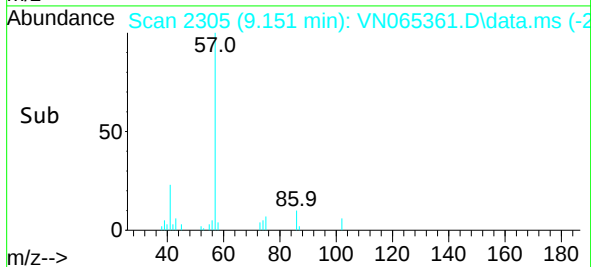
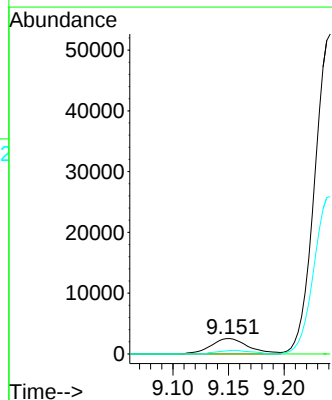
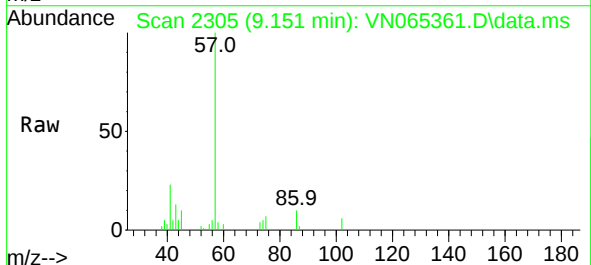
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

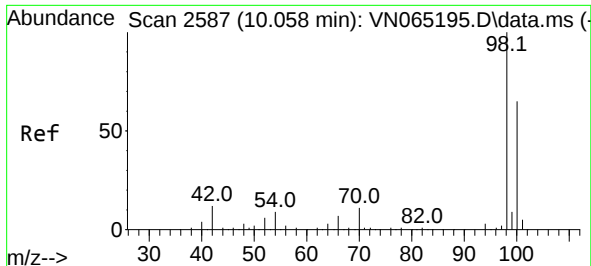
Tgt Ion: 63 Resp: 1248
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.79 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 41 Resp: 5921
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

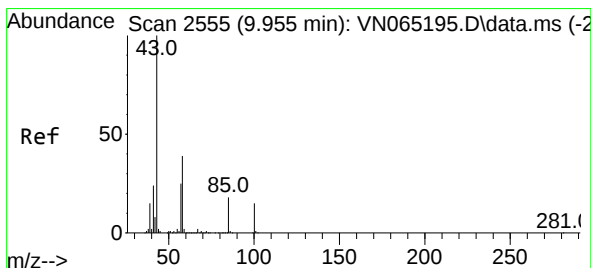
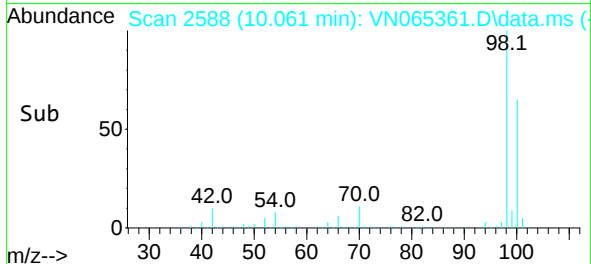
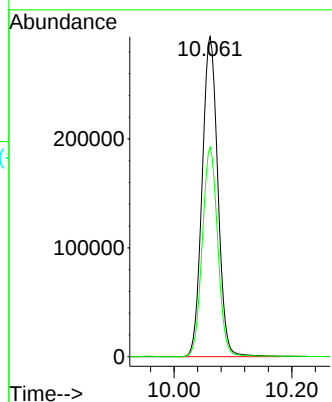
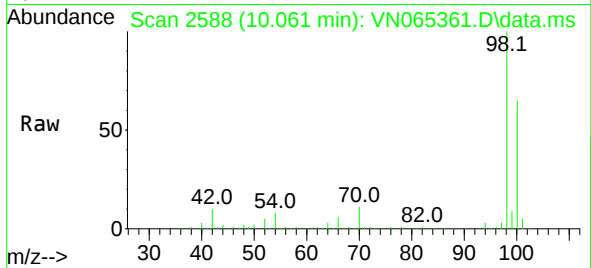




#50
Toluene-d8
Concen: 54.78 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

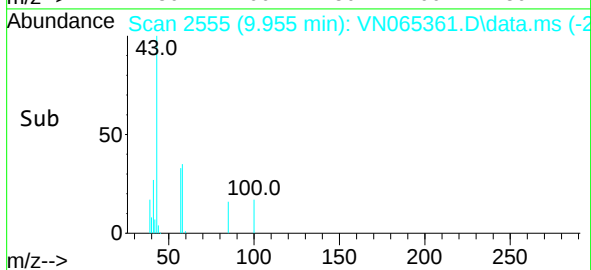
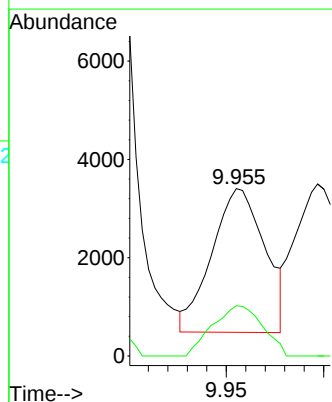
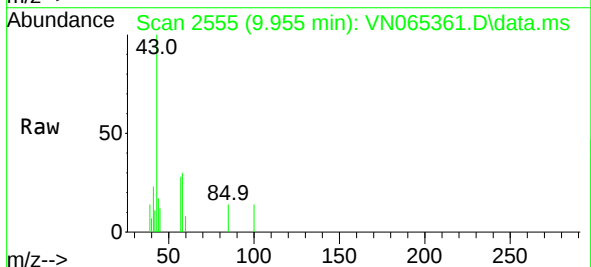
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

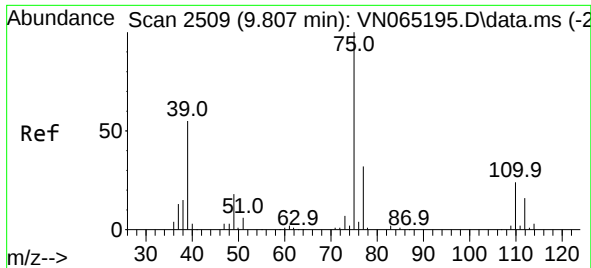
Tgt Ion: 98 Resp: 543872
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.44 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 43 Resp: 5526
Ion Ratio Lower Upper
43 100
58 33.1 32.4 48.6

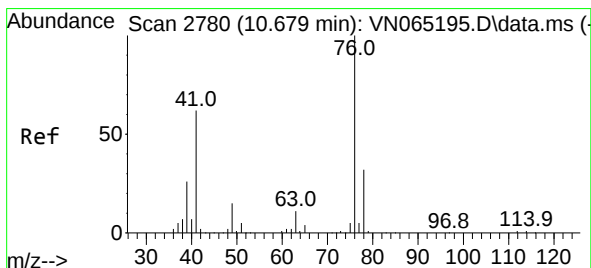
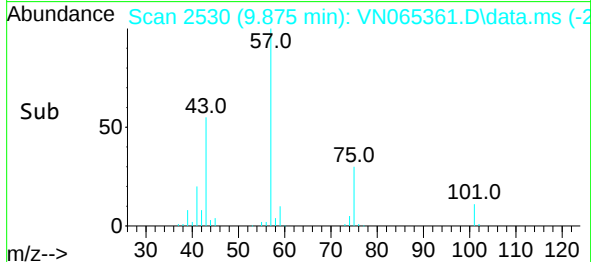
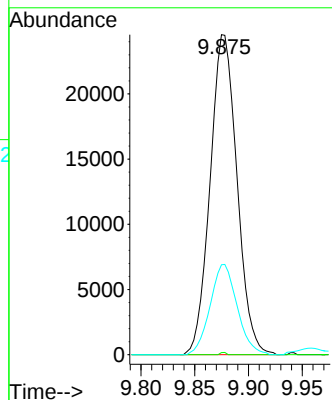
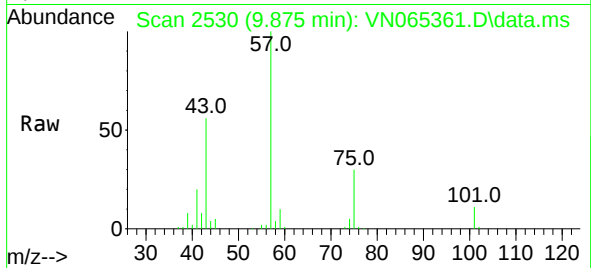




#54
 cis-1,3-Dichloropropene
 Concen: 8.05 ug/l
 RT: 9.875 min Scan# 2530
 Delta R.T. 0.068 min
 Lab File: VN065361.D
 Acq: 31 Dec 2020 21:42

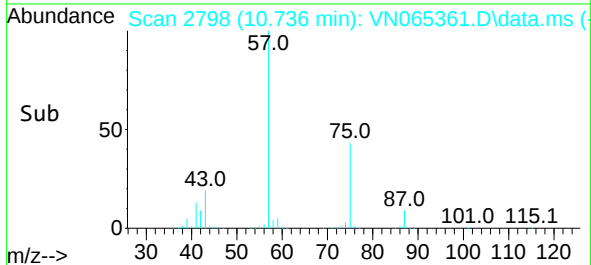
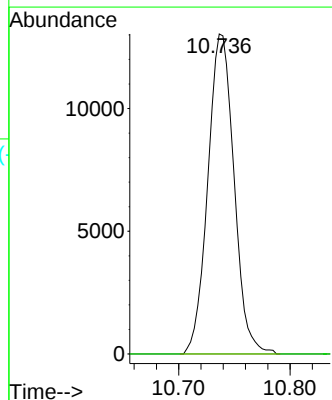
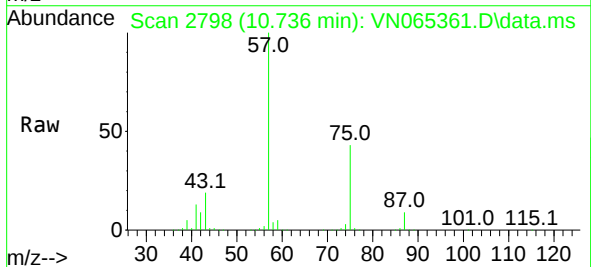
Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-4(464+26)

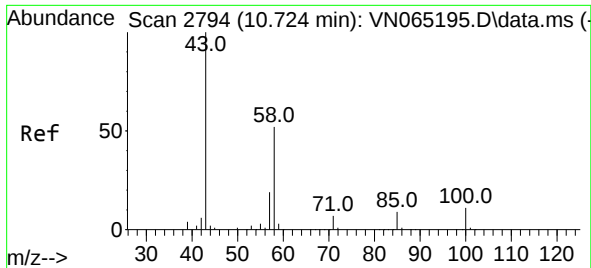
Tgt Ion: 75 Resp: 42649
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.5 38.3#
 39 28.1 35.6 53.4#



#57
 1,3-Dichloropropane
 Concen: 4.36 ug/l
 RT: 10.736 min Scan# 2798
 Delta R.T. 0.057 min
 Lab File: VN065361.D
 Acq: 31 Dec 2020 21:42

Tgt Ion: 76 Resp: 21327
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

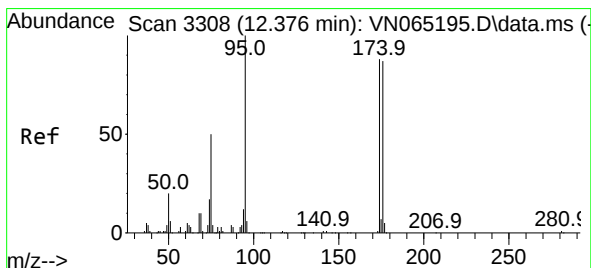
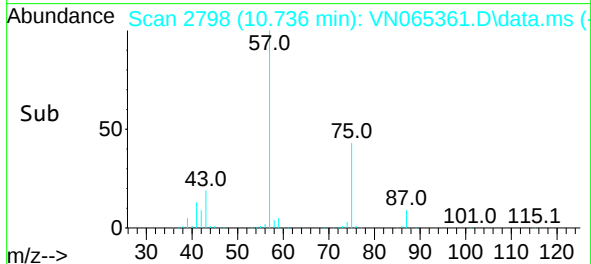
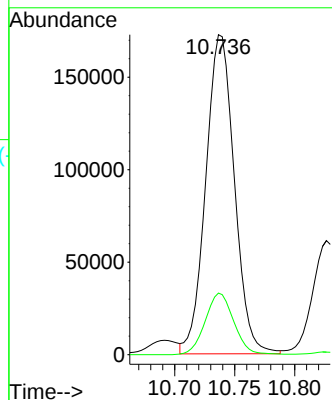
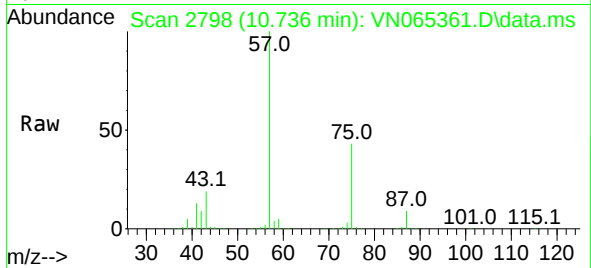




#59
2-Hexanone
Concen: 101.65 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

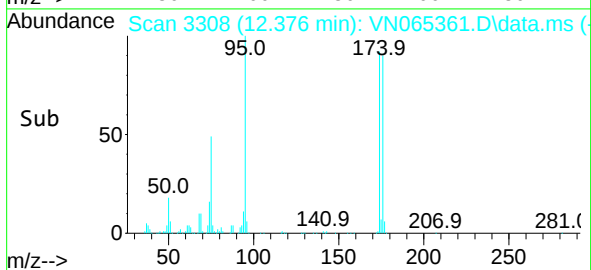
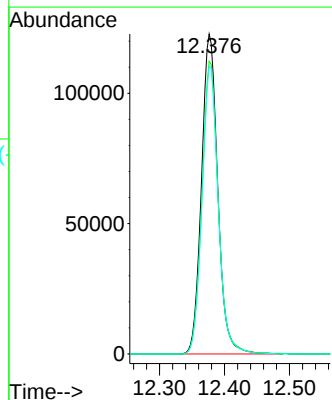
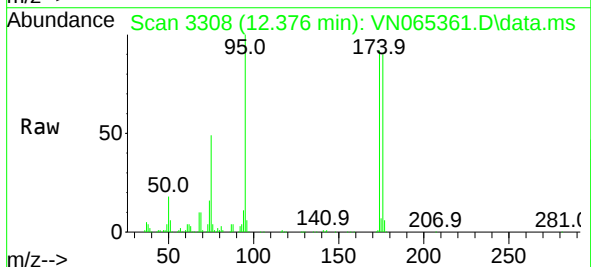
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

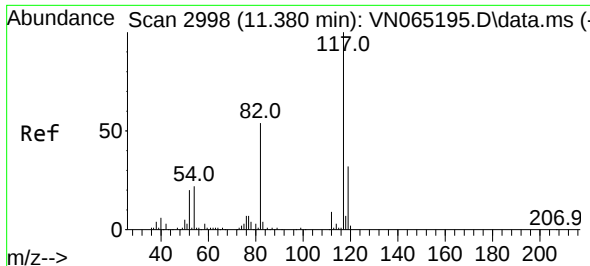
Tgt Ion: 43 Resp: 286574
Ion Ratio Lower Upper
43 100
58 19.3 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.10 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 95 Resp: 214263
Ion Ratio Lower Upper
95 100
174 92.0 0.0 160.4
176 89.6 0.0 158.4

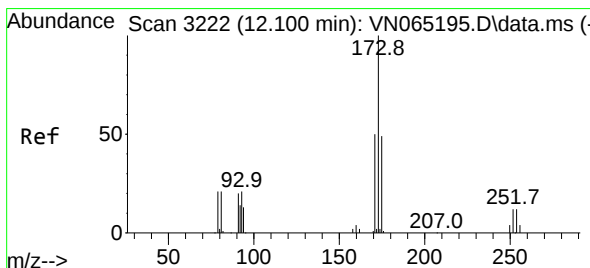
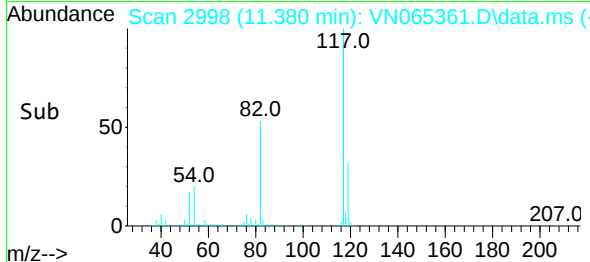
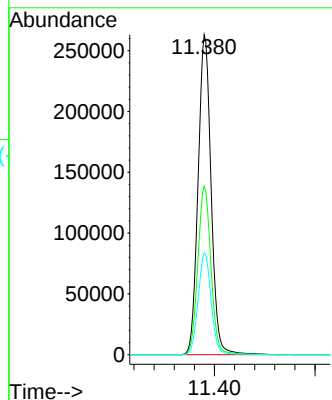
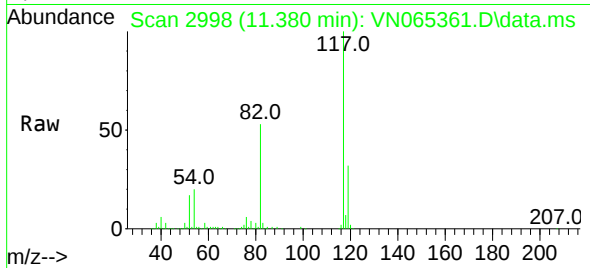




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

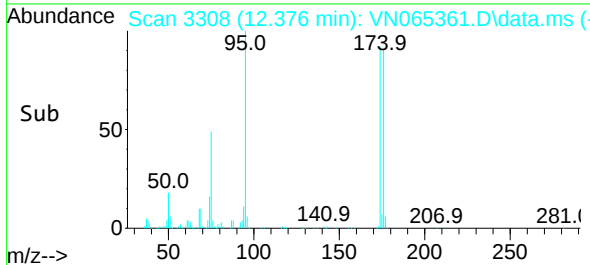
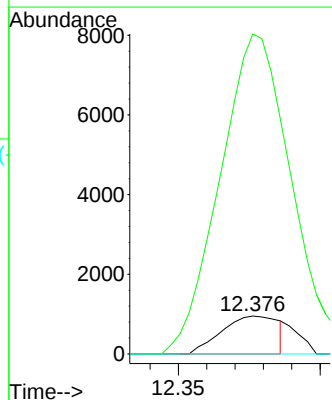
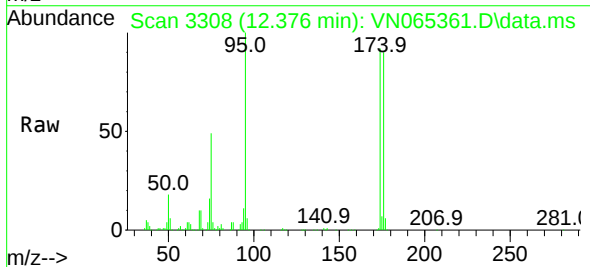
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

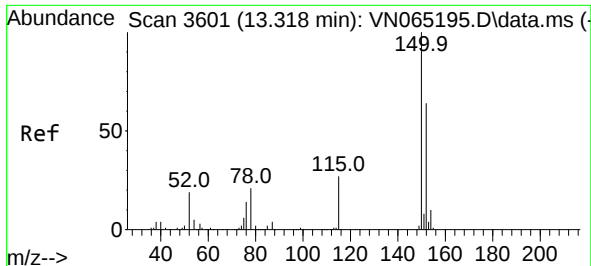
Tgt Ion:117 Resp: 472819
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion:173 Resp: 1328
Ion Ratio Lower Upper
173 100
175 848.3 24.3 72.8#
254 0.0 0.0 0.0

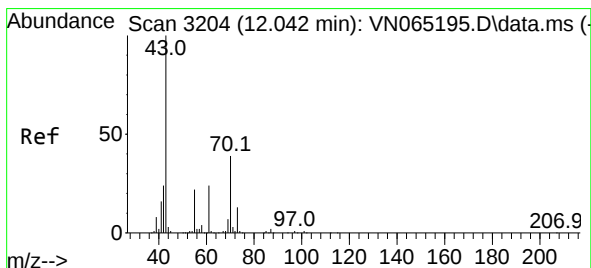
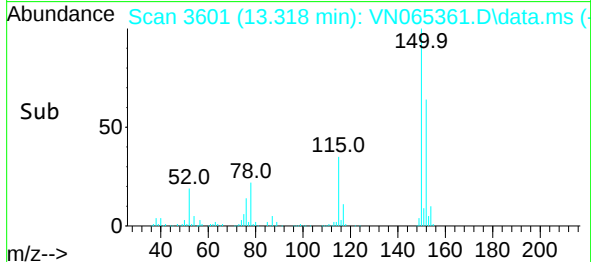
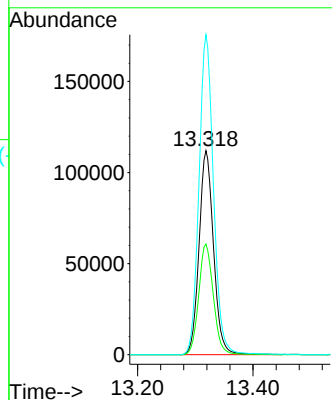
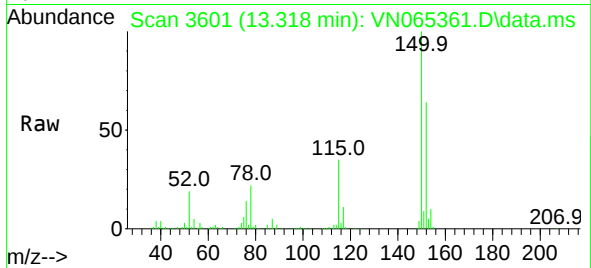




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

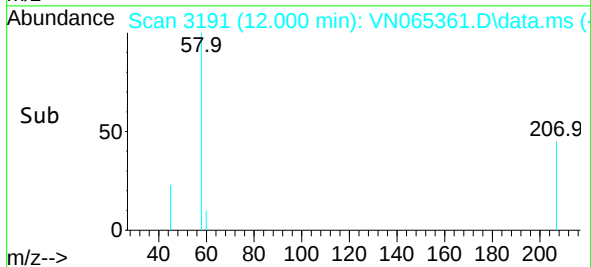
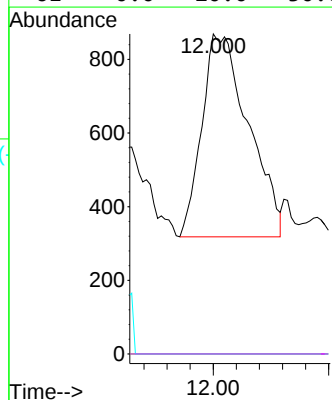
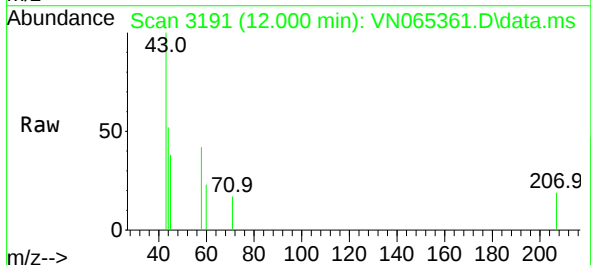
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

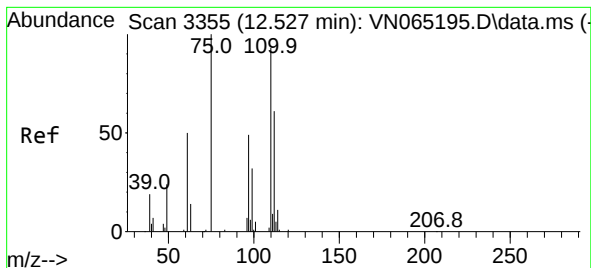
Tgt Ion:152 Resp: 195210
Ion Ratio Lower Upper
152 100
115 54.7 29.7 89.1
150 157.1 0.0 350.6



#74
N-ethyl acetate
Concen: 0.26 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.042 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#

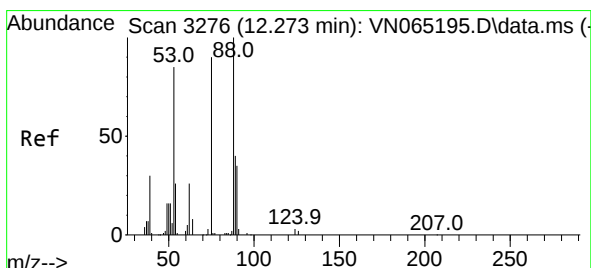
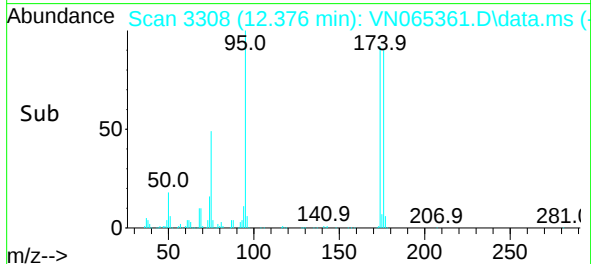
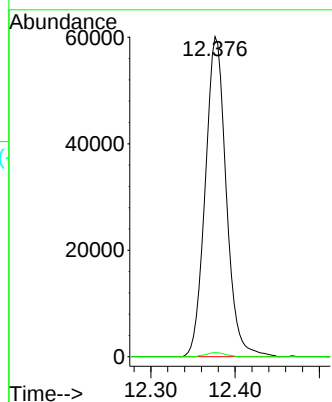
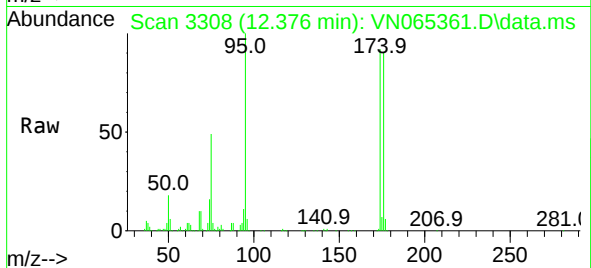




#76
1,2,3-Trichloropropane
Concen: 26.15 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

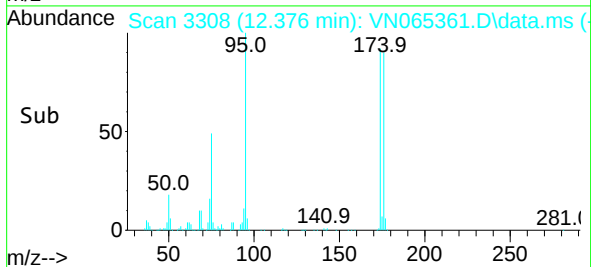
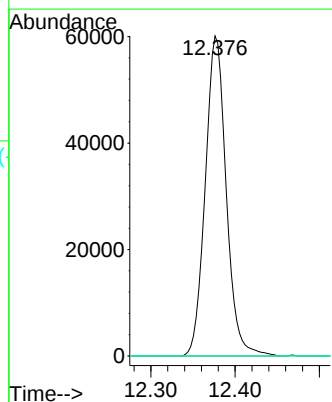
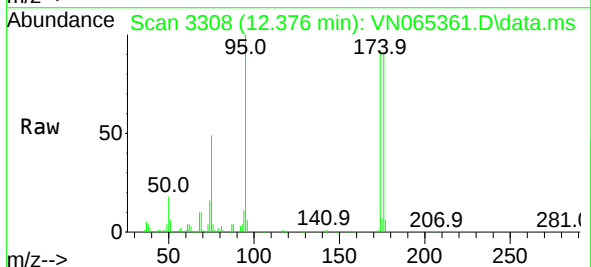
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4(464+26)

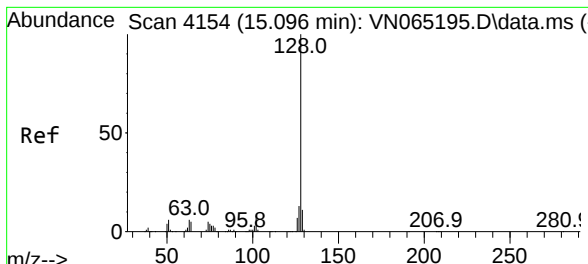
Tgt Ion: 75 Resp: 104145
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.94 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065361.D
Acq: 31 Dec 2020 21:42

Tgt Ion: 75 Resp: 104145
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
 Naphthalene
 Concen: 3.47 ug/l
 RT: 15.116 min Scan# 4160
 Delta R.T. 0.020 min
 Lab File: VN065361.D
 Acq: 31 Dec 2020 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-4(464+26)

Tgt Ion:	128	Resp:	1058
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

