

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065319.D
 Acq On : 30 Dec 2020 14:42
 Operator : JC/MD
 Sample : PB133547ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:02:35 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)

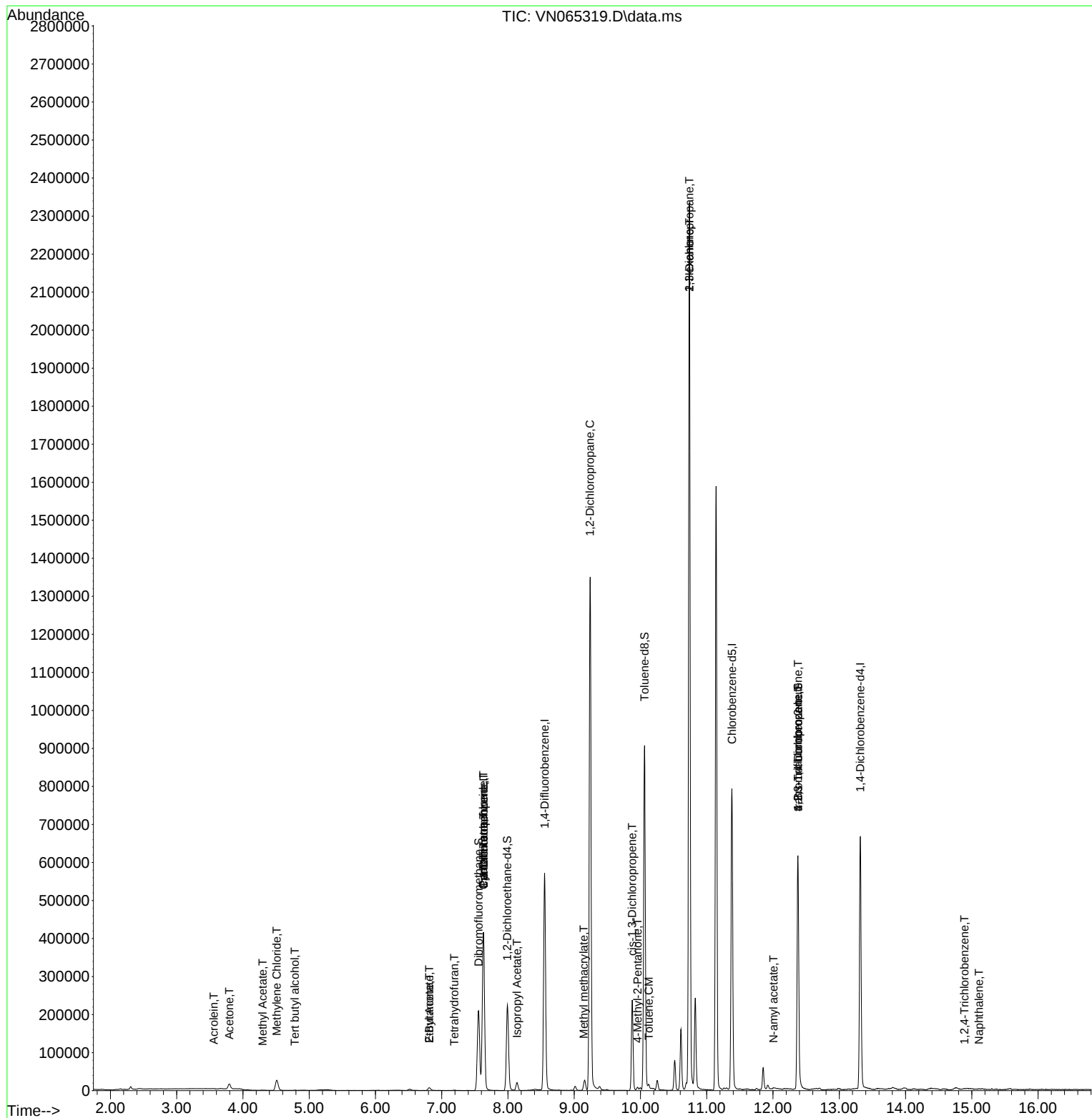
Internal Standards						
1) Pentafluorobenzene	7.631	168	377583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	538238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	491227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	202480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	197342	46.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.60%		
35) Dibromofluoromethane	7.557	113	164702	50.72	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.44%		
50) Toluene-d8	10.061	98	647146	53.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.34%		
62) 4-Bromofluorobenzene	12.376	95	215676	45.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.68%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.782	59	1335	1.91	ug/l #	73
13) Acrolein	3.560	56	29	2.47	ug/l #	14
16) Acetone	3.795	43	21529	1.33	ug/l	97
18) Methyl Acetate	4.296	43	1523	0.40	ug/l #	50
20) Methylene Chloride	4.512	84	21325	5.13	ug/l	99
25) 2-Butanone	6.811	43	11002	4.60	ug/l	95
29) Tetrahydrofuran	7.190	42	1038	0.67	ug/l #	43
31) Cyclohexane	7.627	56	6499	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.631	75	24081	4.92	ug/l #	49
37) Ethyl Acetate	6.811	43	11002	2.27	ug/l #	66
38) Carbon Tetrachloride	7.627	117	31921	6.21	ug/l #	16
43) Isopropyl Acetate	8.135	43	25398	3.04	ug/l	96
45) 1,2-Dichloropropane	9.238	63	1618	0.43	ug/l #	43
48) Methyl methacrylate	9.145	41	6956	1.71	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	6021	1.28	ug/l	93
52) Toluene	10.126	92	5557	0.61	ug/l	96
54) cis-1,3-Dichloropropene	9.875	75	45119	6.95	ug/l #	61
57) 1,3-Dichloropropane	10.737	76	24786	4.14	ug/l #	42
59) 2-Hexanone	10.737	43	337343	97.62	ug/l #	50
74) N-amyl acetate	12.007	43	1492	0.24	ug/l #	44
76) 1,2,3-Trichloropropane	12.376	75	105430	25.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	105430	64.36	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.888	180	29	2.84	ug/l #	1
95) Naphthalene	15.109	128	927	3.45	ug/l #	36

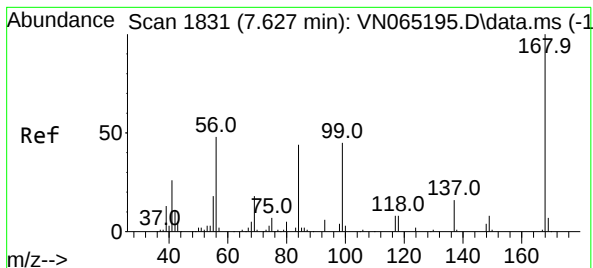
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN065319.D

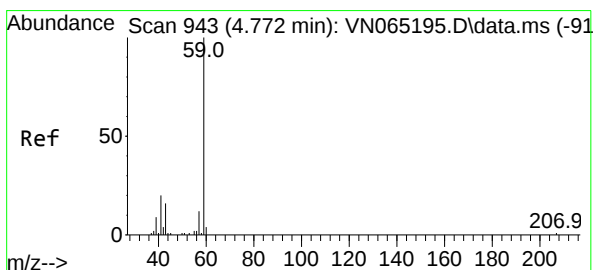
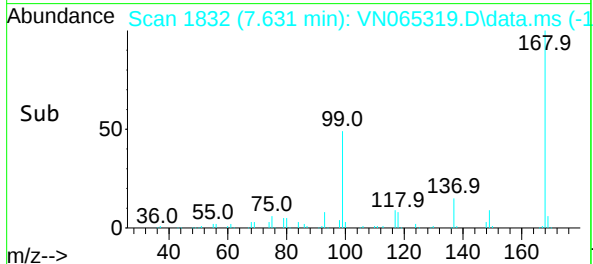
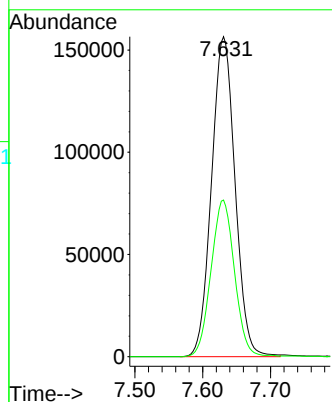
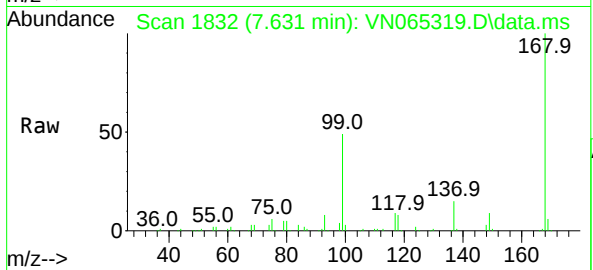
Acq: 30 Dec 2020 14:42

Tgt Ion:168 Resp: 377583

Ion Ratio Lower Upper

168 100

99 48.9 43.0 64.4



#11

Tert butyl alcohol

Concen: 1.91 ug/l

RT: 4.782 min Scan# 946

Delta R.T. 0.010 min

Lab File: VN065319.D

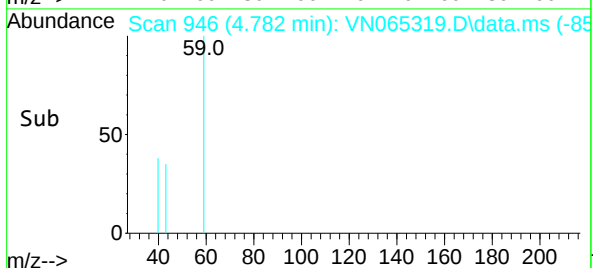
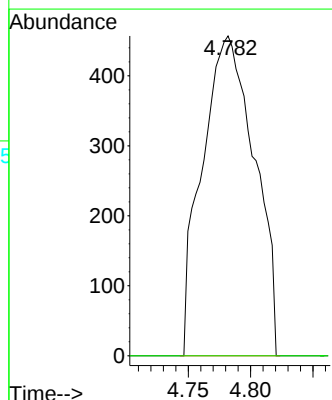
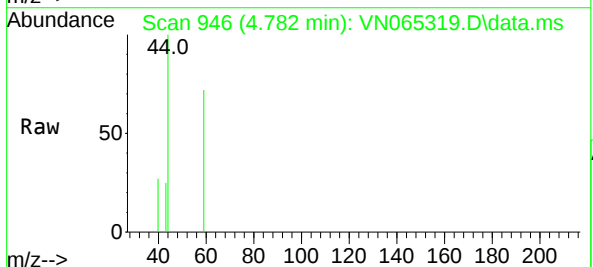
Acq: 30 Dec 2020 14:42

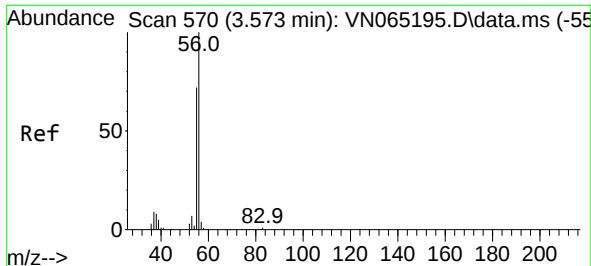
Tgt Ion: 59 Resp: 1335

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#

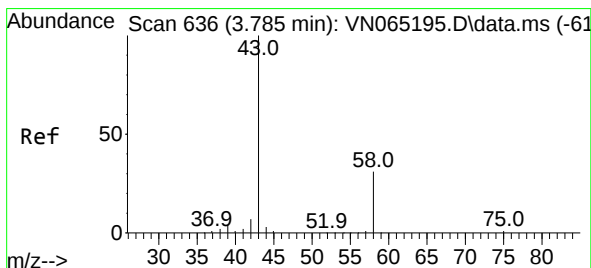
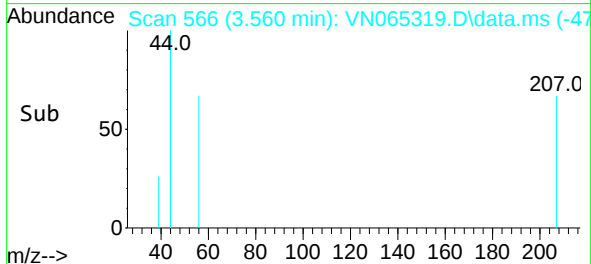
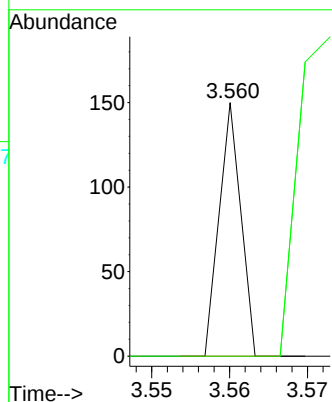
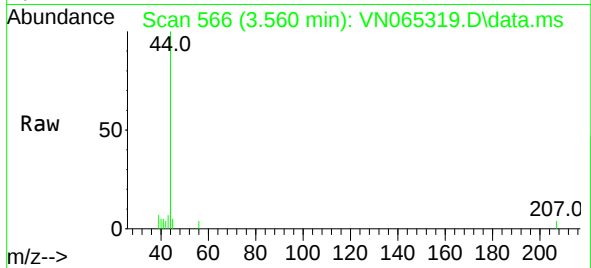




#13
Acrolein
Concen: 2.47 ug/l
RT: 3.560 min Scan# 566
Delta R.T. -0.013 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

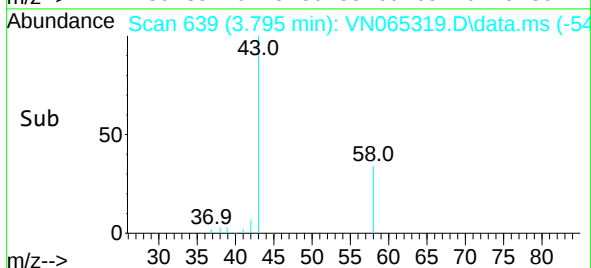
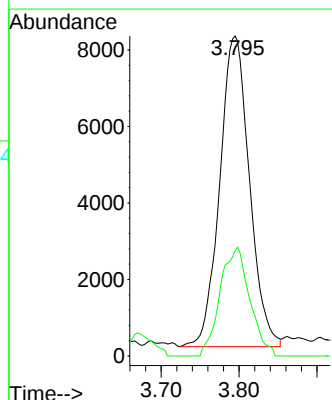
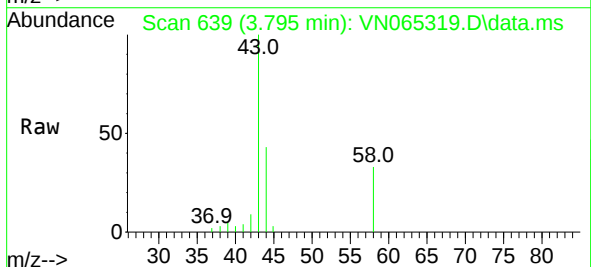
Instrument :
MSVOA_N
ClientSampled :

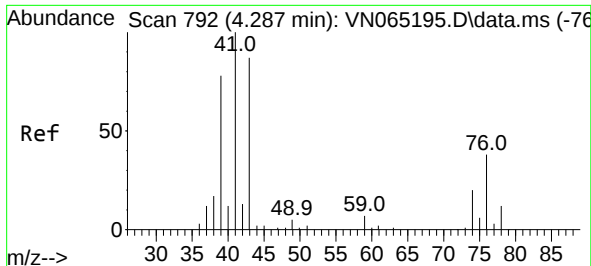
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 1.33 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

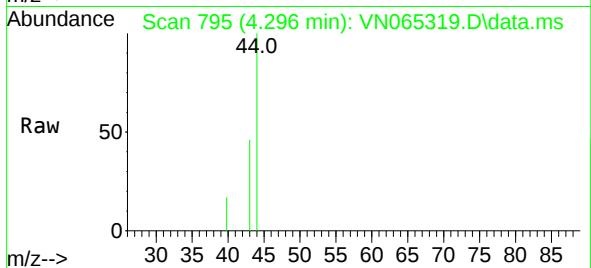
Tgt Ion: 43 Resp: 21529
Ion Ratio Lower Upper
43 100
58 33.9 25.7 38.5



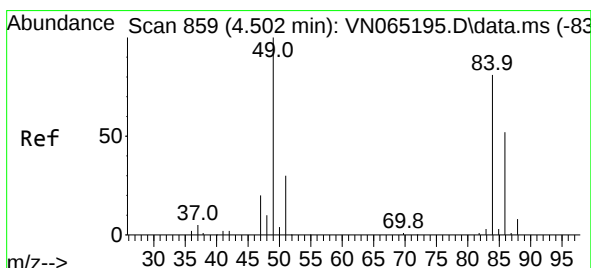
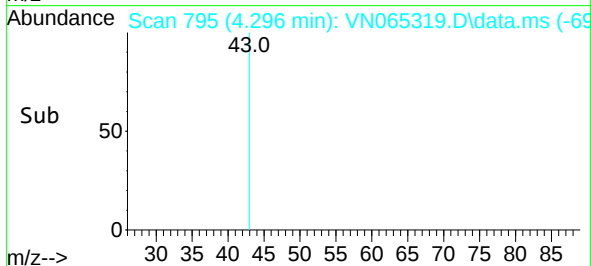
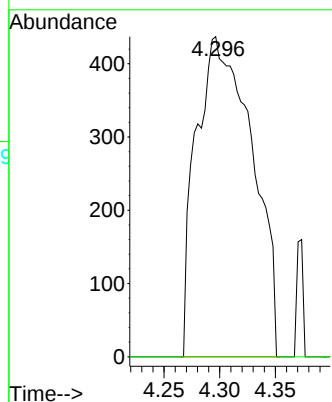


#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :

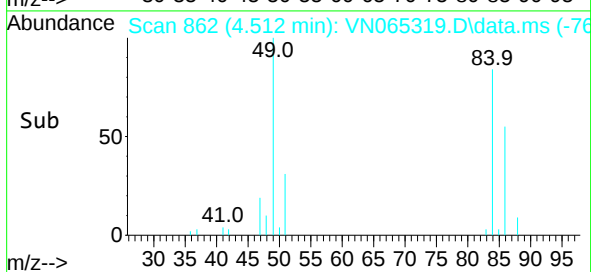
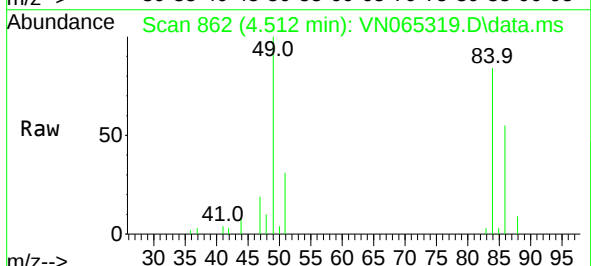
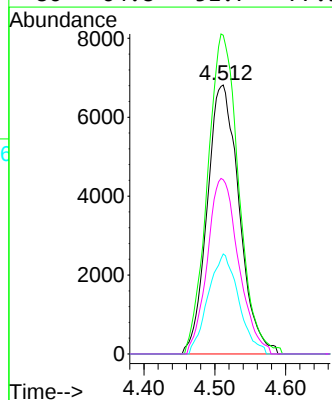


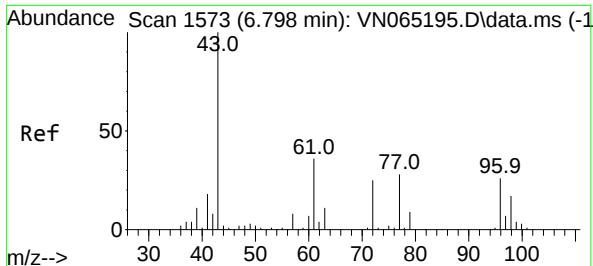
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 5.13 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 84 Resp: 21325
Ion Ratio Lower Upper
84 100
49 118.5 93.4 140.0
51 37.2 28.2 42.4
86 64.8 51.7 77.5

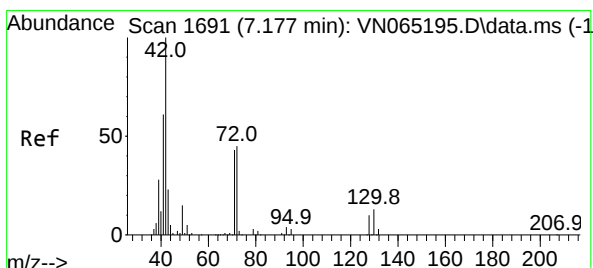
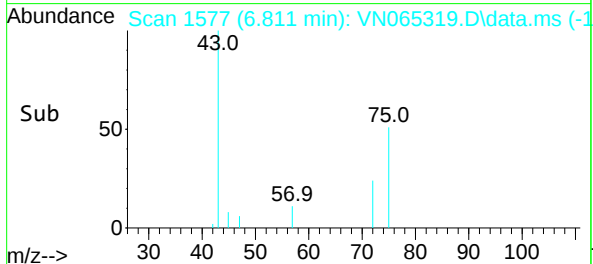
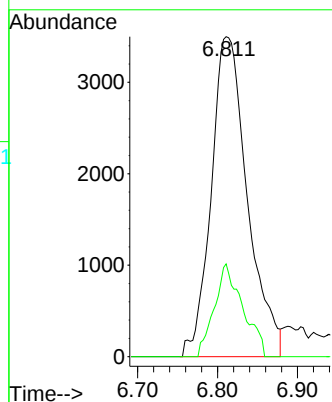
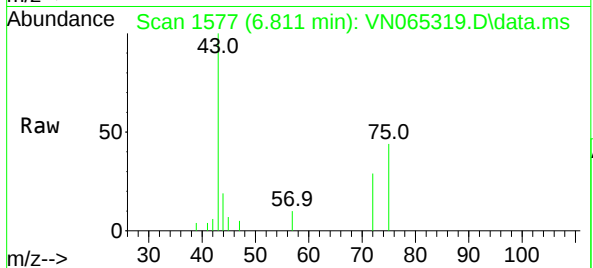




#25
2-Butanone
Concen: 4.60 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

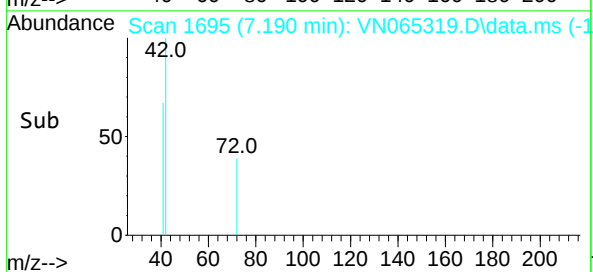
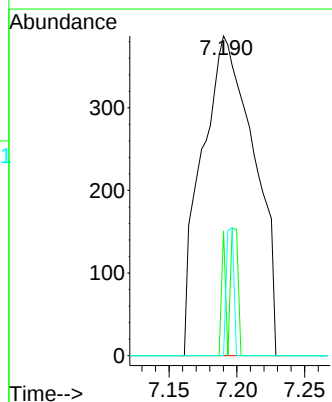
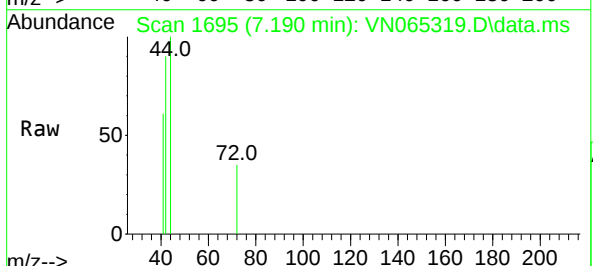
Instrument :
MSVOA_N
ClientSampled :

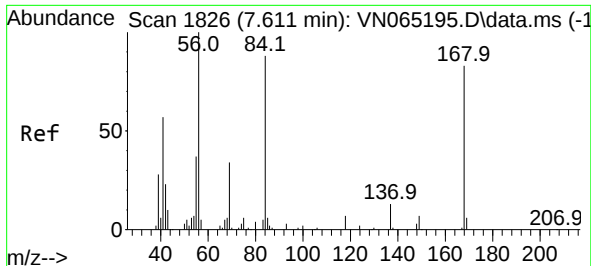
Tgt Ion: 43 Resp: 11002
Ion Ratio Lower Upper
43 100
72 29.0 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.67 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.013 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

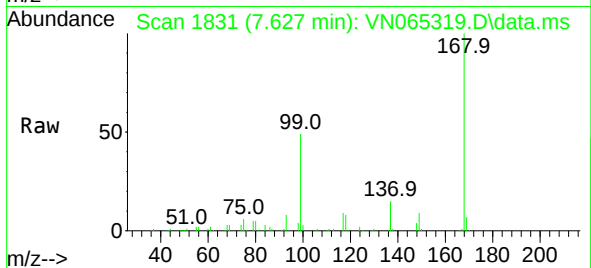
Tgt Ion: 42 Resp: 1038
Ion Ratio Lower Upper
42 100
72 8.5 36.6 54.8#
71 5.7 33.6 50.4#



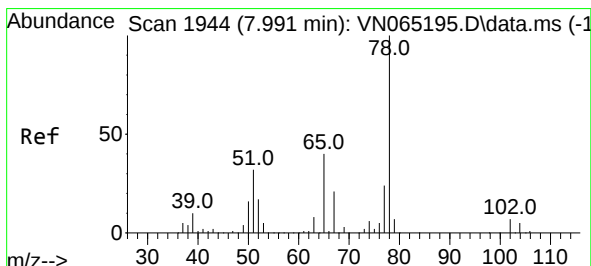
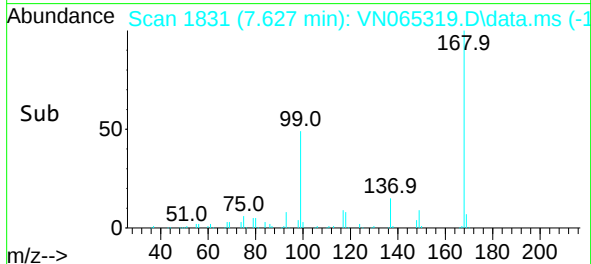
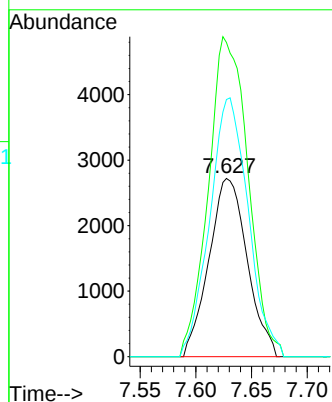


#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Instrument :
MSVOA_N
ClientSampled :

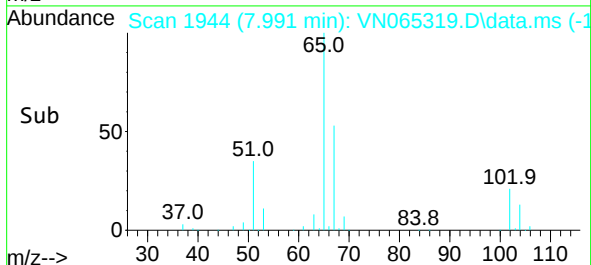
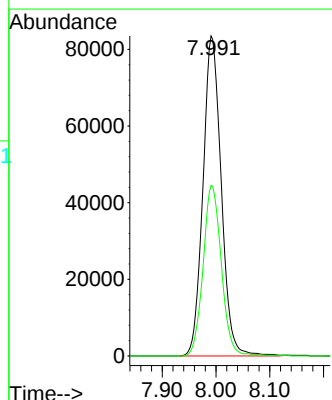
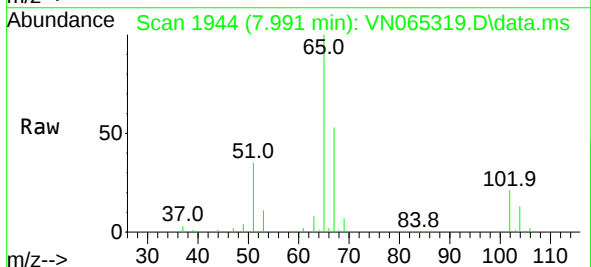


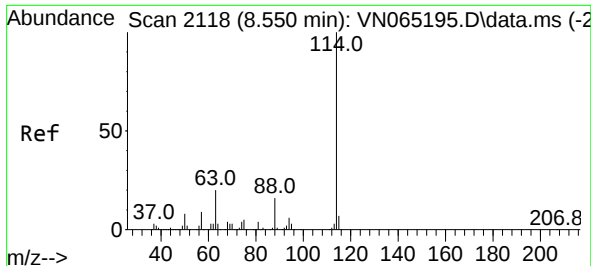
Tgt Ion: 56 Resp: 6499
Ion Ratio Lower Upper
56 100
69 176.2 27.5 41.3#
84 144.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 46.30 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 65 Resp: 197342
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

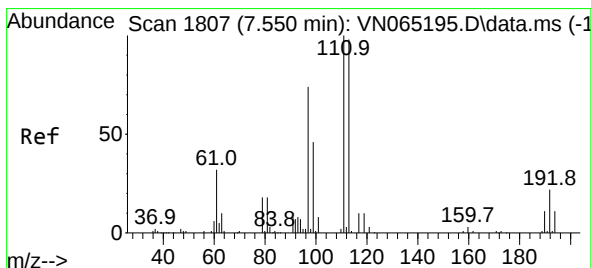
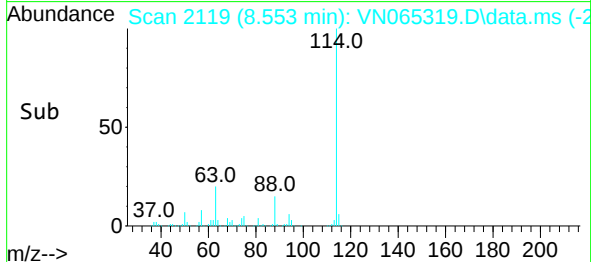
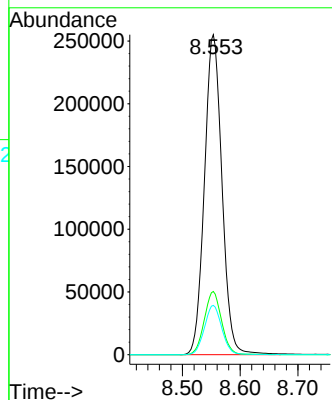
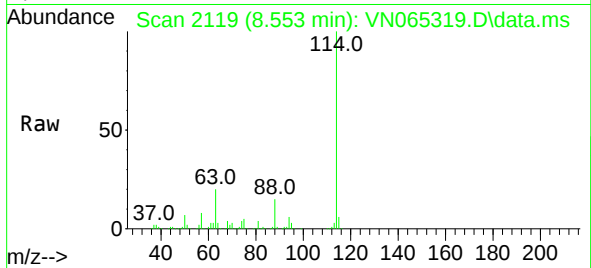




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

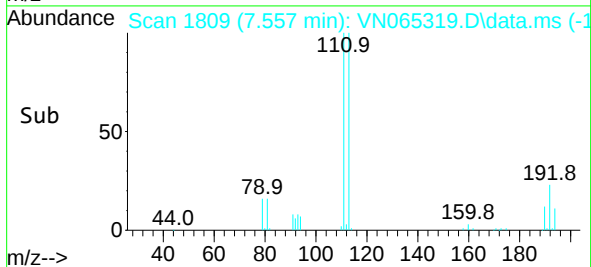
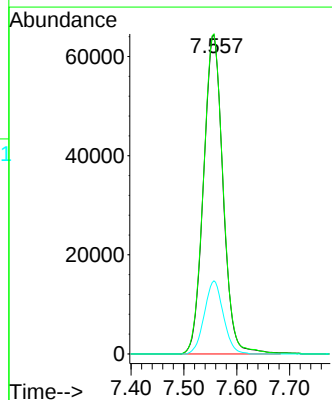
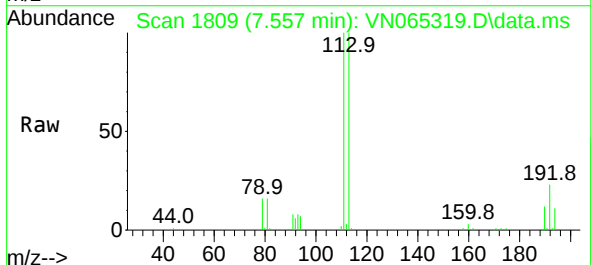
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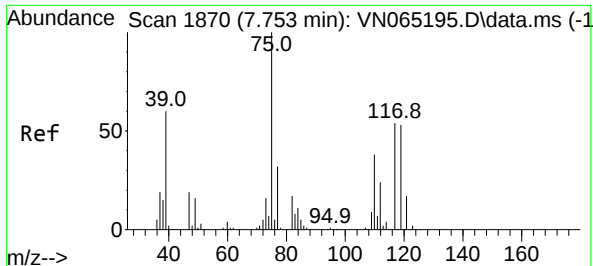
Tgt Ion:114 Resp: 538238
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.6
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.72 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion:113 Resp: 164702
Ion Ratio Lower Upper
113 100
111 101.1 81.6 122.4
192 22.4 16.2 24.2

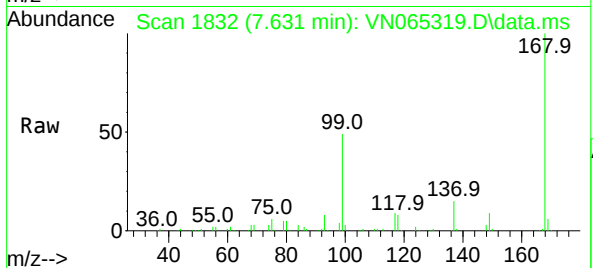




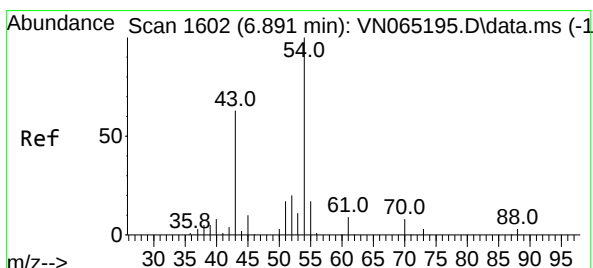
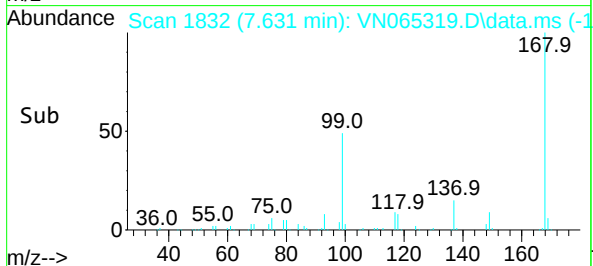
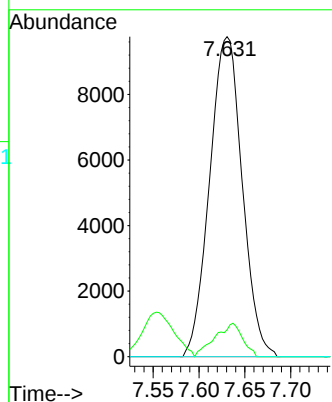
#36

1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Instrument :
MSVOA_N
ClientSampled :



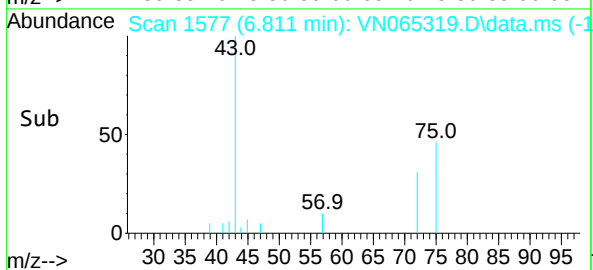
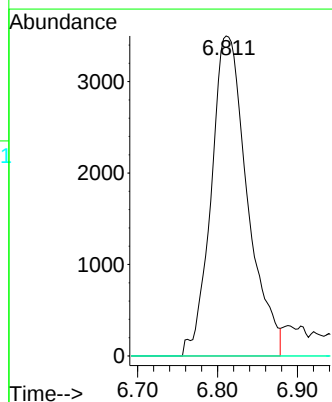
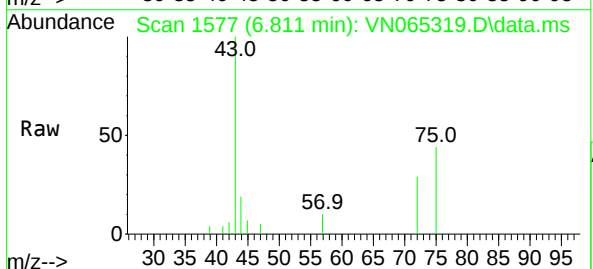
Tgt Ion: 75	Resp: 24081
Ion Ratio	Lower Upper
75 100	
110 8.8	17.8 53.3#
77 0.0	25.0 37.4#

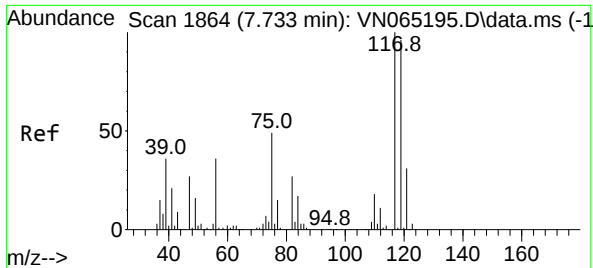


#37

Ethyl Acetate
Concen: 2.27 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. -0.080 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

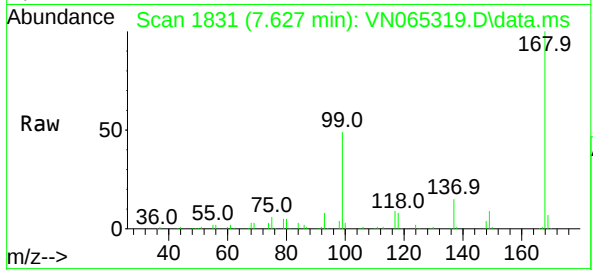
Tgt Ion: 43	Resp: 11002
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



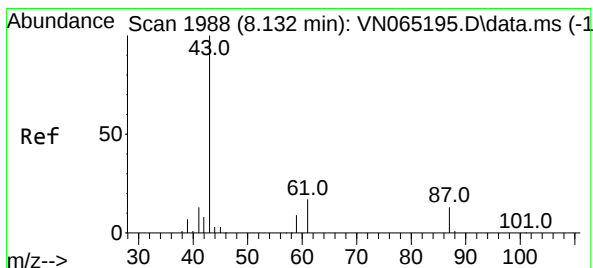
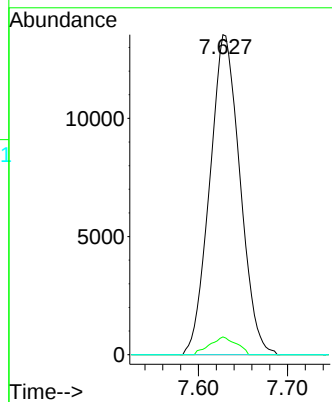
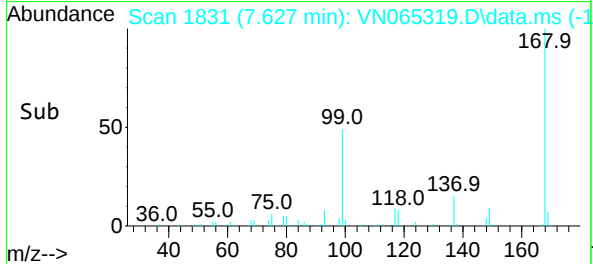


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

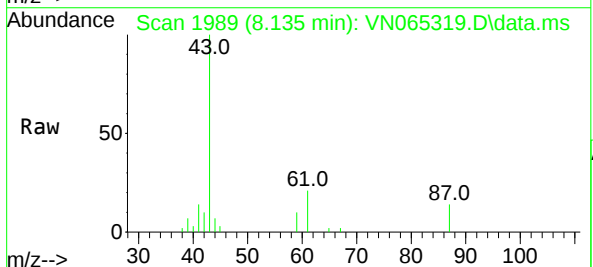
Instrument :
MSVOA_N
ClientSampled :



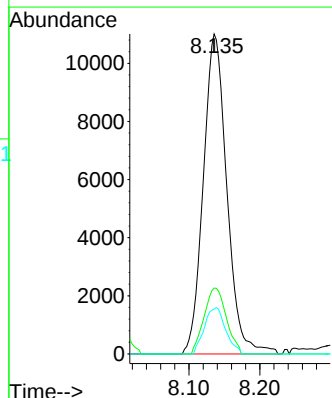
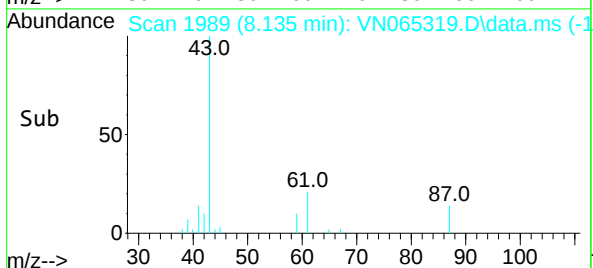
Tgt Ion:117 Resp: 31921
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 25.4 38.2#

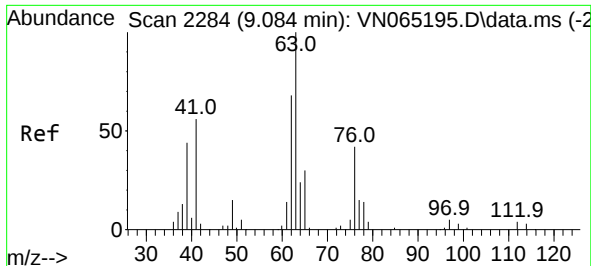


#43
Isopropyl Acetate
Concen: 3.04 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42



Tgt Ion: 43 Resp: 25398
Ion Ratio Lower Upper
43 100
61 19.4 17.2 25.8
87 13.1 11.4 17.0





#45

1,2-Dichloropropane

Concen: 0.43 ug/l

RT: 9.238 min Scan# 2332

Delta R.T. 0.154 min

Lab File: VN065319.D

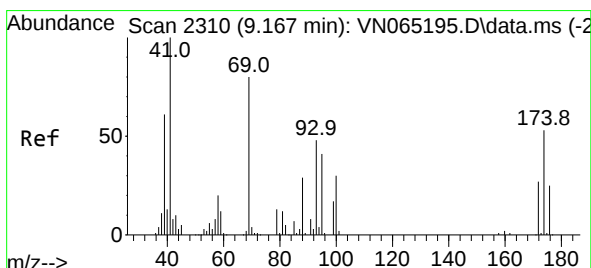
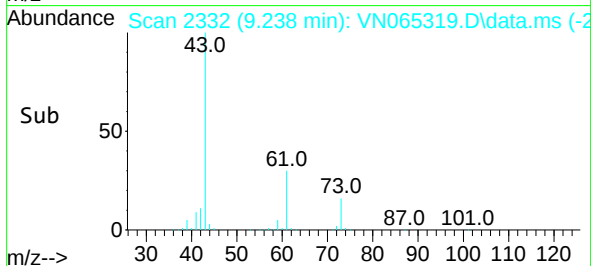
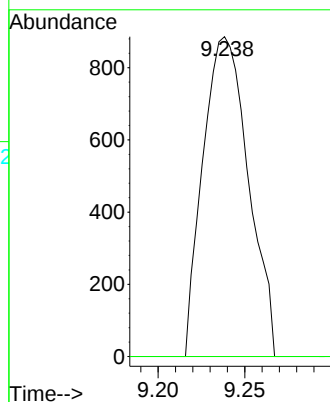
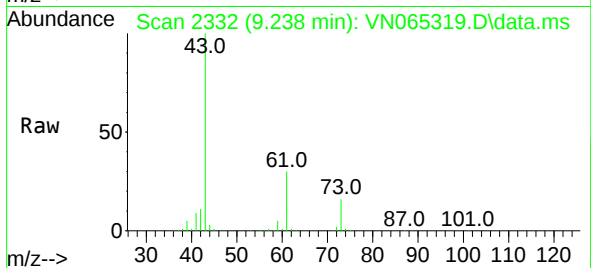
Acq: 30 Dec 2020 14:42

Tgt Ion: 63 Resp: 1618

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.71 ug/l

RT: 9.145 min Scan# 2303

Delta R.T. -0.022 min

Lab File: VN065319.D

Acq: 30 Dec 2020 14:42

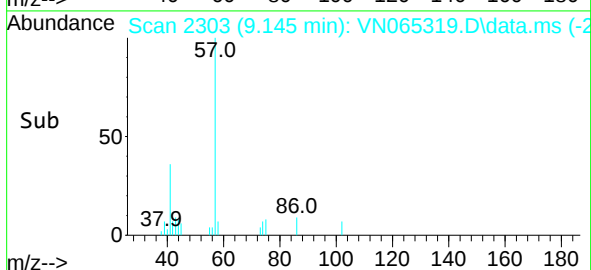
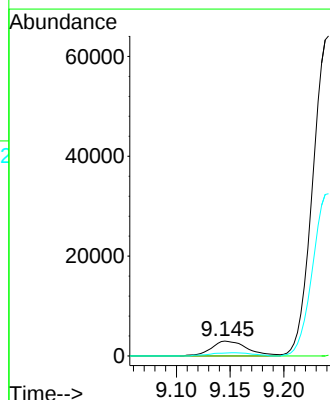
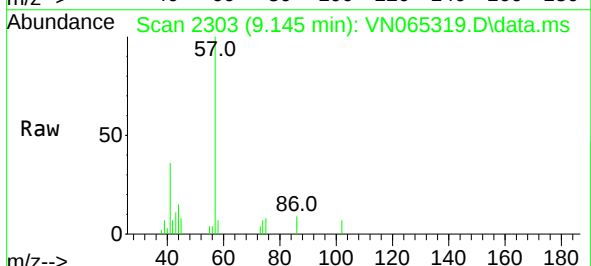
Tgt Ion: 41 Resp: 6956

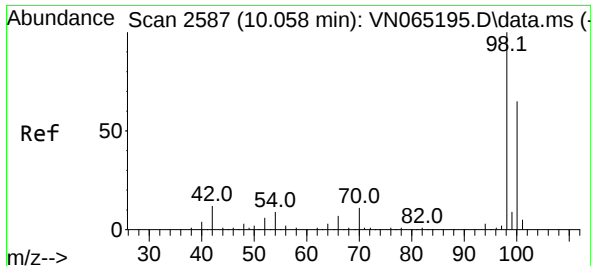
Ion Ratio Lower Upper

41 100

69 0.0 71.8 107.8#

39 0.0 44.1 66.1#

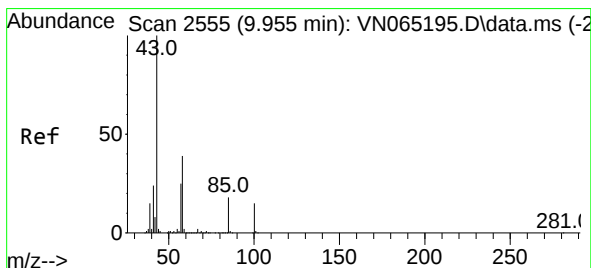
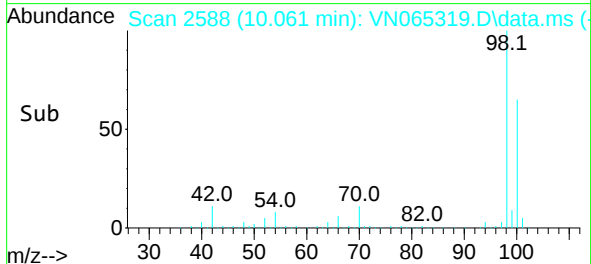
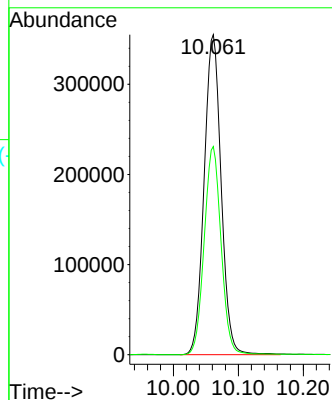
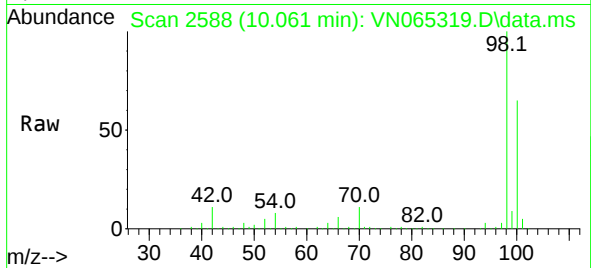




#50
Toluene-d8
Concen: 53.17 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

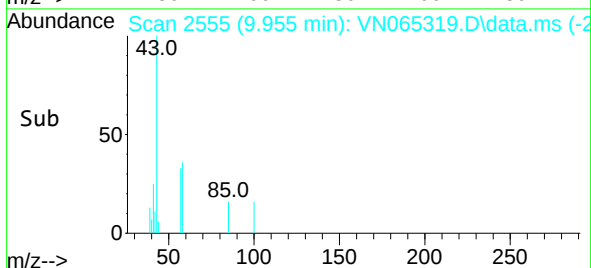
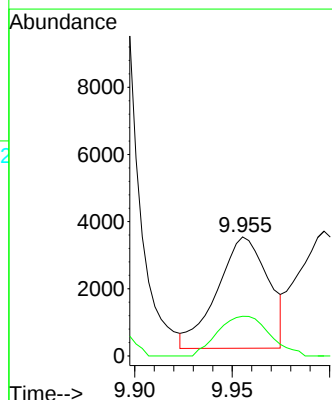
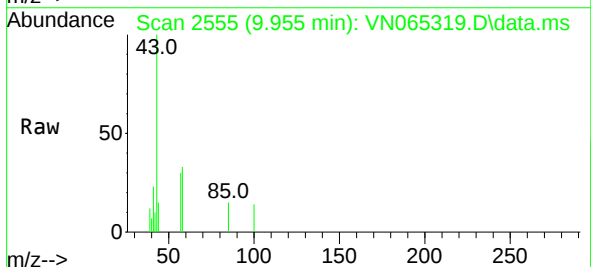
Instrument :
MSVOA_N
ClientSampled :

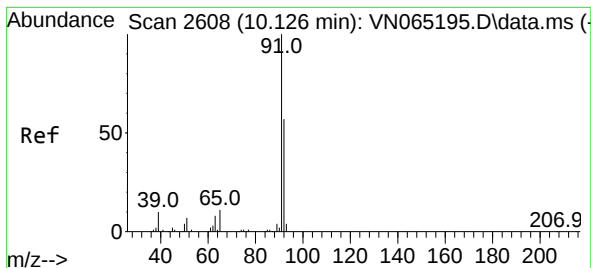
Tgt Ion: 98 Resp: 647146
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.28 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 43 Resp: 6021
Ion Ratio Lower Upper
43 100
58 36.4 32.4 48.6





#52

Toluene

Concen: 0.61 ug/l

RT: 10.126 min Scan# 2608

Delta R.T. -0.000 min

Lab File: VN065319.D

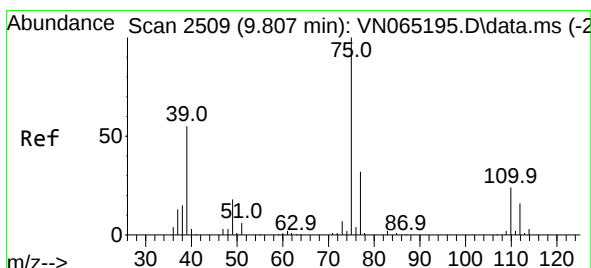
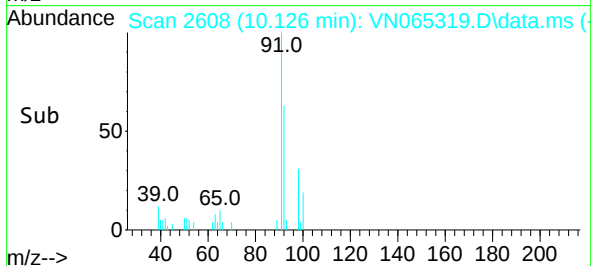
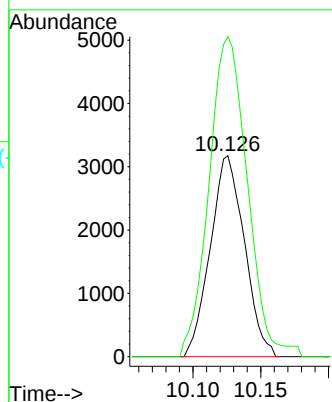
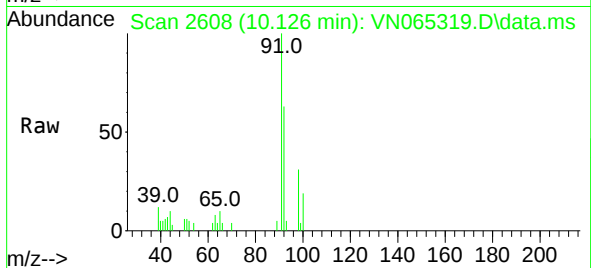
Acq: 30 Dec 2020 14:42

Tgt Ion: 92 Resp: 5557

Ion Ratio Lower Upper

92 100

91 178.8 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 6.95 ug/l

RT: 9.875 min Scan# 2530

Delta R.T. 0.068 min

Lab File: VN065319.D

Acq: 30 Dec 2020 14:42

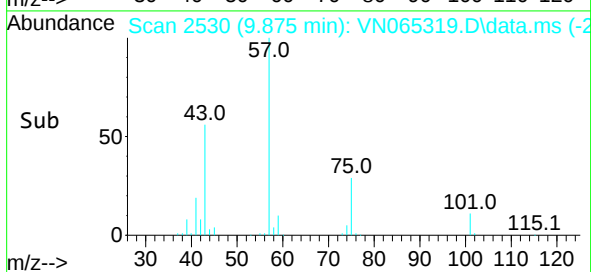
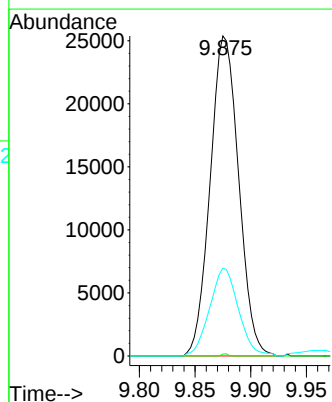
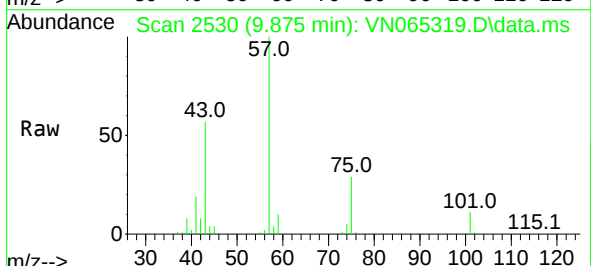
Tgt Ion: 75 Resp: 45119

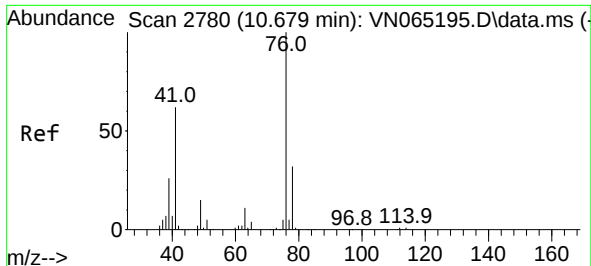
Ion Ratio Lower Upper

75 100

77 0.6 25.5 38.3#

39 27.5 35.6 53.4#

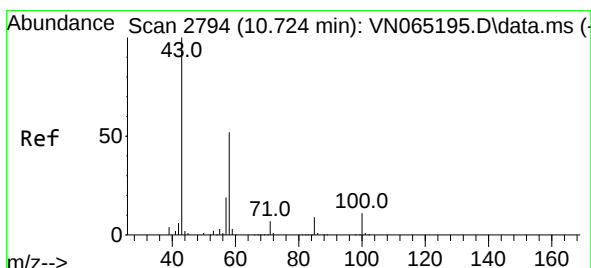
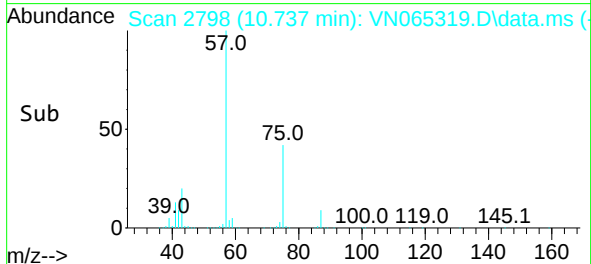
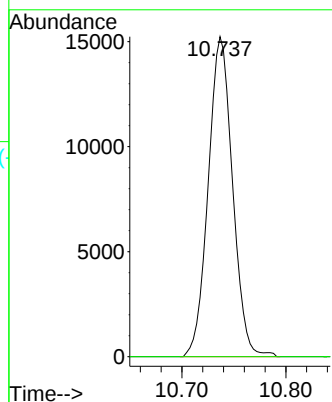
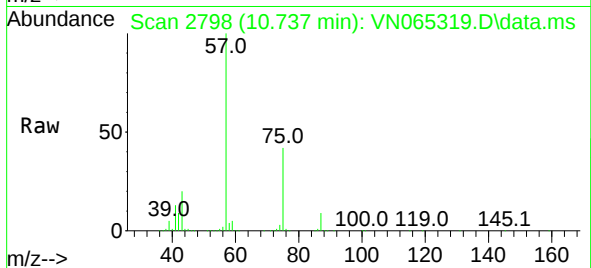




#57
1,3-Dichloropropane
Concen: 4.14 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

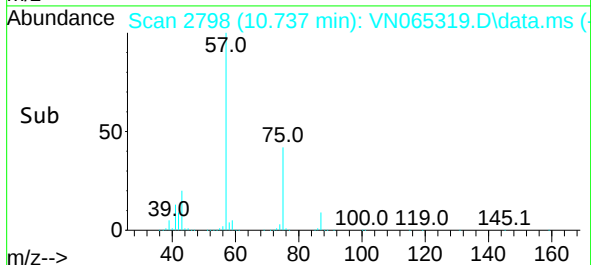
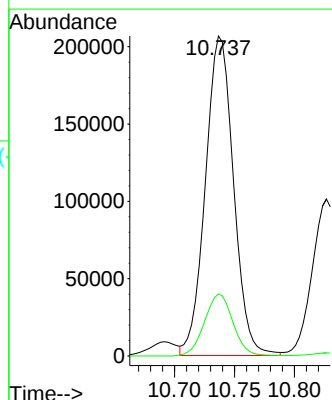
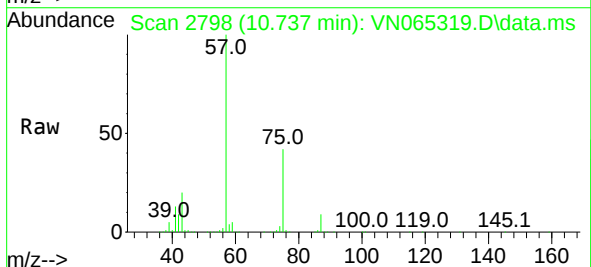
Instrument :
MSVOA_N
ClientSampled :

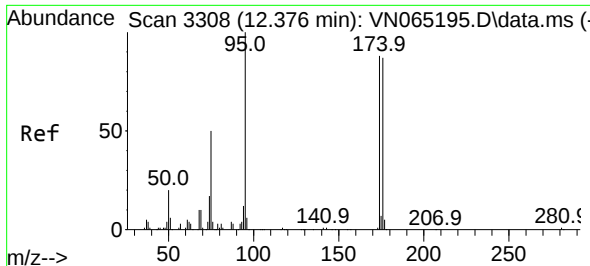
Tgt Ion: 76 Resp: 24786
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 97.62 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 43 Resp: 337343
Ion Ratio Lower Upper
43 100
58 19.7 28.3 84.9#

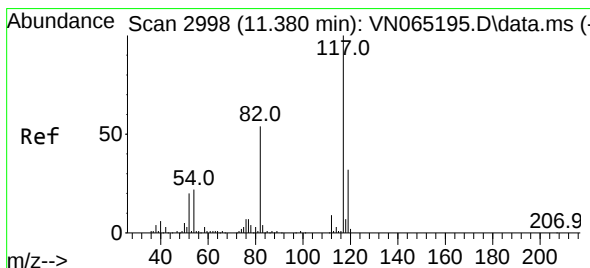
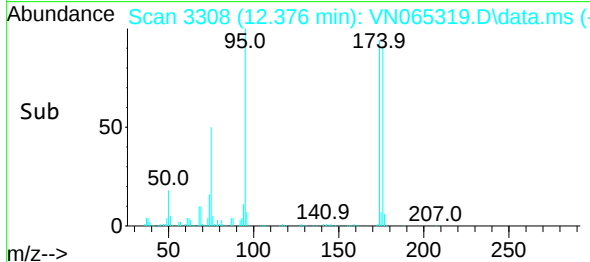
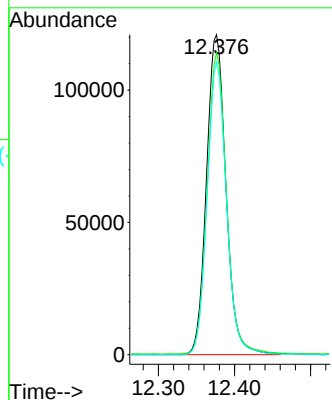
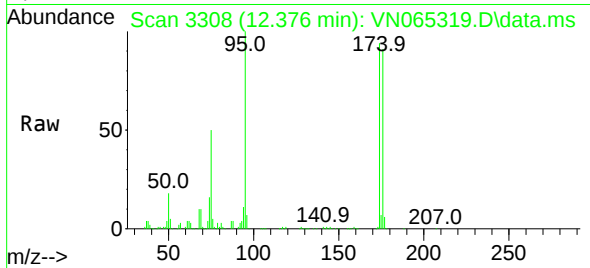




#62
4-Bromofluorobenzene
Concen: 45.34 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

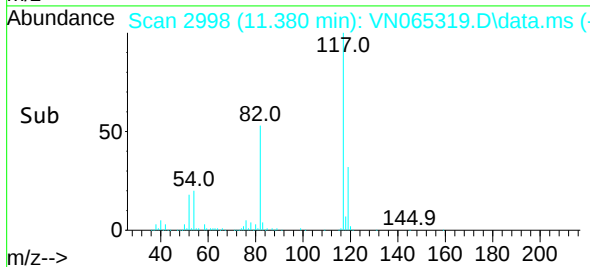
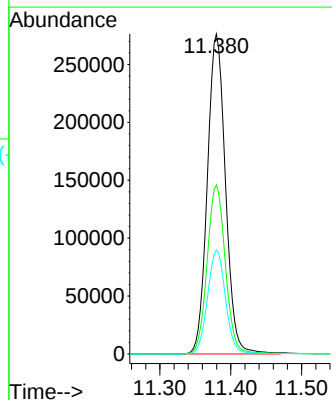
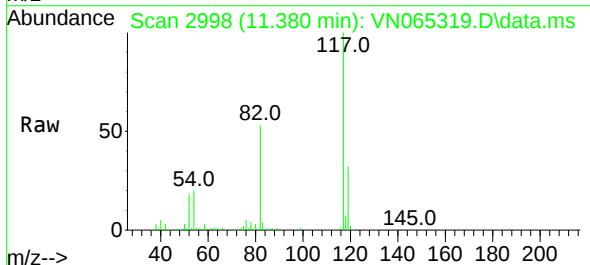
Instrument :
MSVOA_N
ClientSampleId :

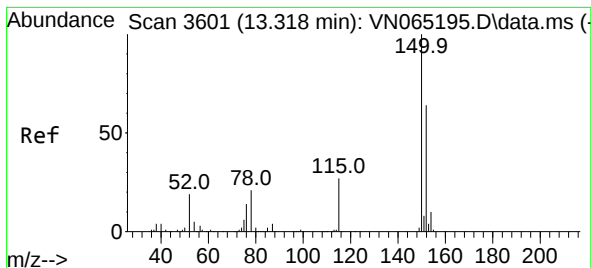
Tgt Ion: 95 Resp: 215676
Ion Ratio Lower Upper
95 100
174 93.5 0.0 160.4
176 90.1 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 117 Resp: 491227
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.5 25.8 38.6

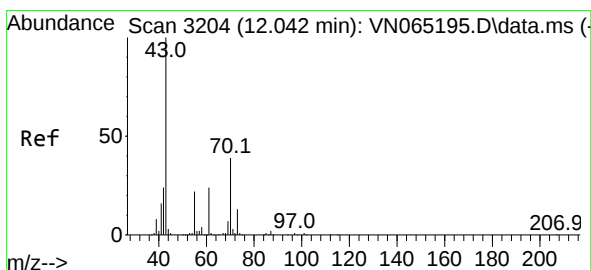
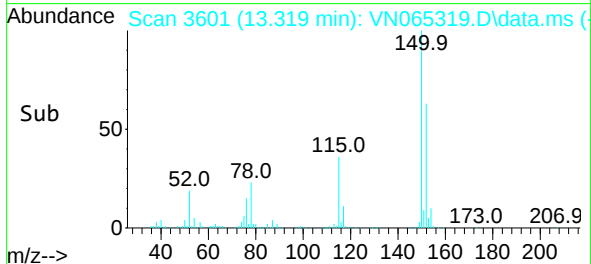
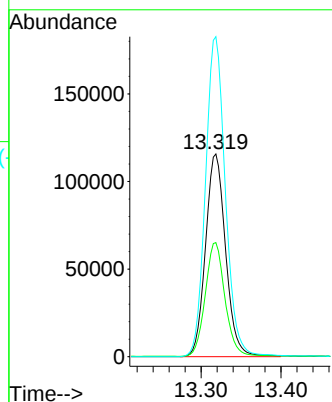
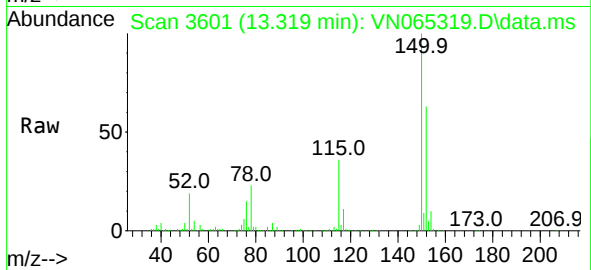




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.319 min Scan# 3601
Delta R.T. 0.001 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

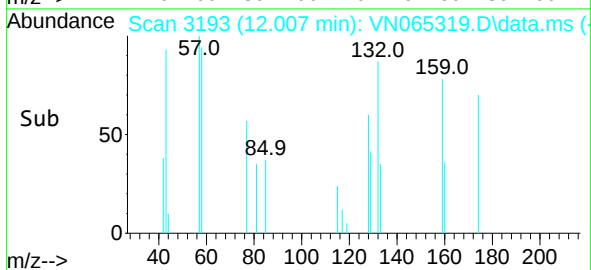
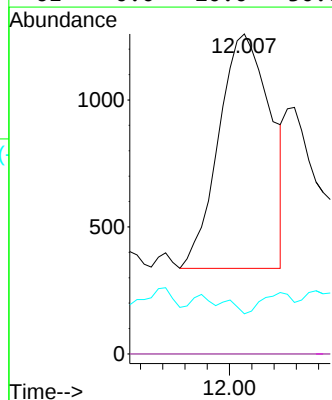
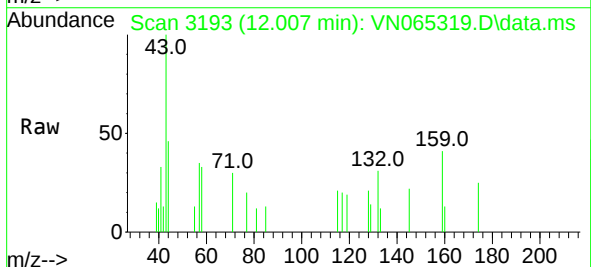
Instrument :
MSVOA_N
ClientSampleId :

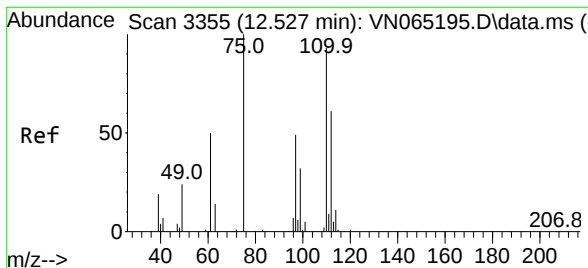
Tgt Ion:152 Resp: 202480
Ion Ratio Lower Upper
152 100
115 55.2 29.7 89.1
150 156.8 0.0 350.6



#74
N-ethyl acetate
Concen: 0.24 ug/l
RT: 12.007 min Scan# 3193
Delta R.T. -0.035 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 4.2 20.4 30.6#
61 0.0 20.0 30.0#

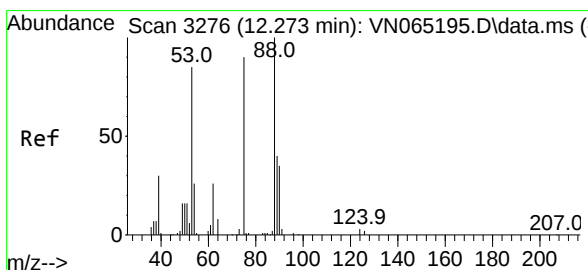
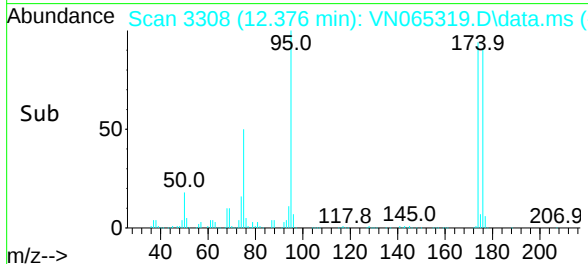
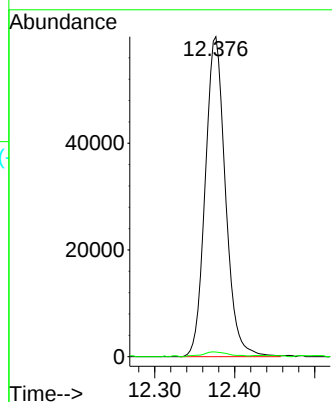
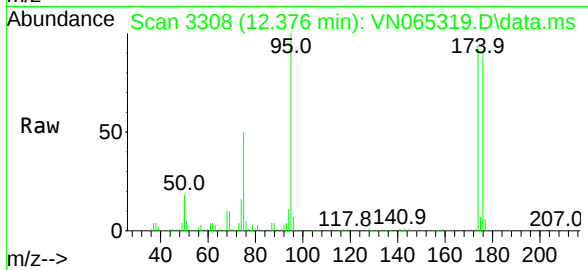




#76
1,2,3-Trichloropropane
Concen: 25.52 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

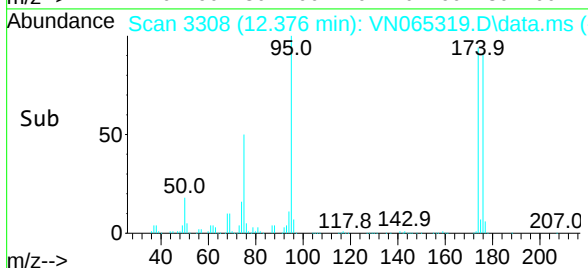
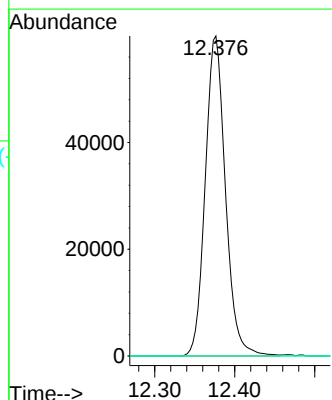
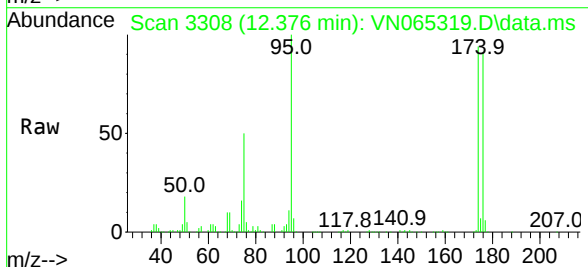
Instrument :
MSVOA_N
ClientSampleId :

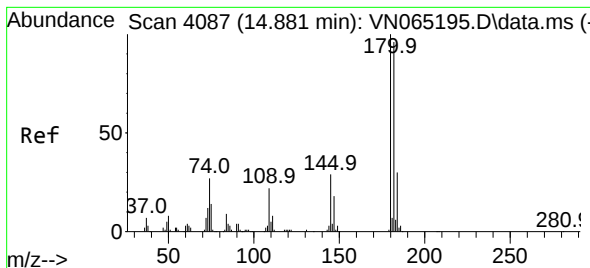
Tgt Ion: 75 Resp: 105430
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.36 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion: 75 Resp: 105430
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

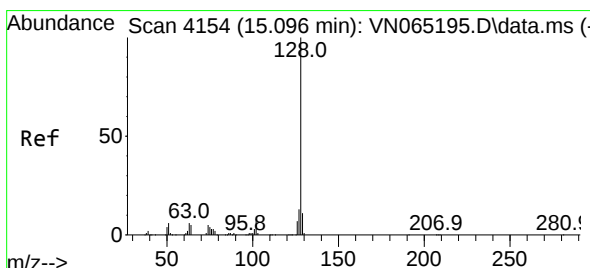
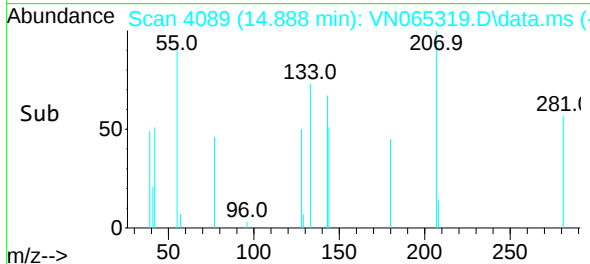
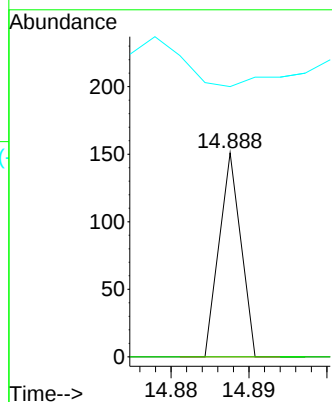
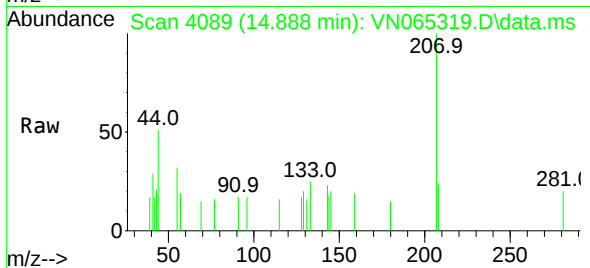




#93
1,2,4-Trichlorobenzene
Concen: 2.84 ug/l
RT: 14.888 min Scan# 4089
Delta R.T. 0.007 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 29
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 1089.7 15.3 45.8#



#95
Naphthalene
Concen: 3.45 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065319.D
Acq: 30 Dec 2020 14:42

Tgt Ion:128 Resp: 927
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 49.6 8.7 13.1#

