

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065971.D
 Acq On : 22 Feb 2021 19:42
 Operator : JC/MD
 Sample : M1452-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Feb 23 00:13:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

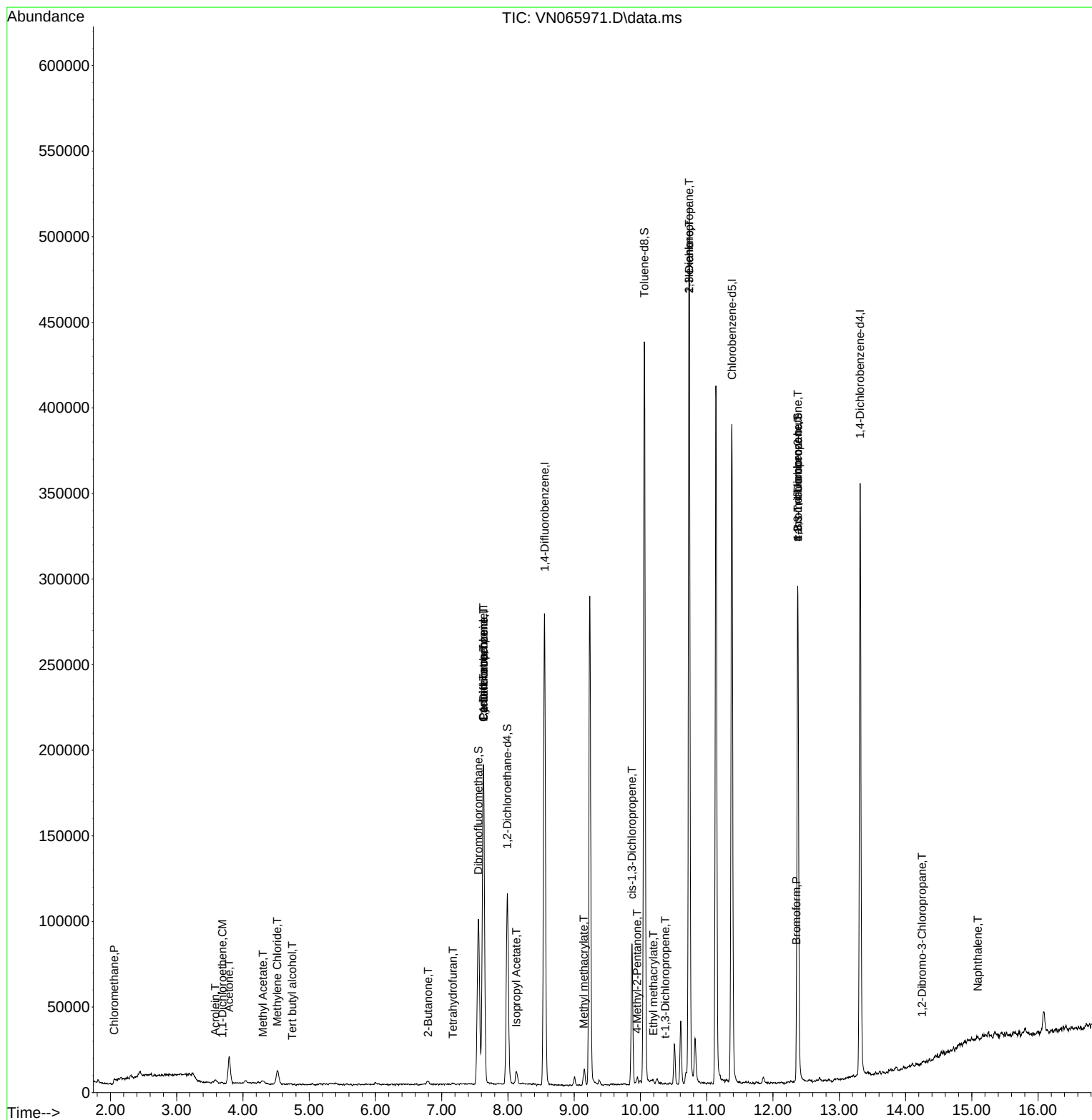
Internal Standards						
1) Pentafluorobenzene	7.630	168	153759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	252961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	233584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	98038	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	99888	46.46	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.92%		
35) Dibromofluoromethane	7.553	113	76339	48.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.52%		
50) Toluene-d8	10.058	98	309456	48.15	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.30%		
62) 4-Bromofluorobenzene	12.373	95	113967	47.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.48%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	1327	0.53	ug/l	93
11) Tert butyl alcohol	4.746	59	88	0.29	ug/l #	73
12) 1,1-Dichloroethene	3.688	96	403	0.23	ug/l #	1
13) Acrolein	3.582	56	1133	4.14	ug/l #	2
16) Acetone	3.791	43	25751	36.76	ug/l	98
18) Methyl Acetate	4.303	43	1817	1.02	ug/l	91
20) Methylene Chloride	4.518	84	6682	3.35	ug/l	94
25) 2-Butanone	6.794	43	2237	2.10	ug/l #	86
29) Tetrahydrofuran	7.171	42	468	0.64	ug/l #	32
31) Cyclohexane	7.627	56	2774	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	12831	5.14	ug/l #	44
38) Carbon Tetrachloride	7.627	117	14860	6.41	ug/l #	17
43) Isopropyl Acetate	8.126	43	8275	2.31	ug/l #	90
48) Methyl methacrylate	9.142	41	1999	1.10	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	2825	1.29	ug/l	88
53) t-1,3-Dichloropropene	10.373	75	29	1.99	ug/l #	42
54) cis-1,3-Dichloropropene	9.871	75	16386	5.44	ug/l #	61
56) Ethyl methacrylate	10.193	69	982	0.37	ug/l #	46
57) 1,3-Dichloropropane	10.733	76	5831	1.88	ug/l #	43
59) 2-Hexanone	10.733	43	73877	47.48	ug/l #	50
71) Bromoform	12.354	173	29	2.52	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	55741	23.67	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	55741	75.43	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.251	75	138	1.14	ug/l #	1
95) Naphthalene	15.090	128	135	3.08	ug/l #	69

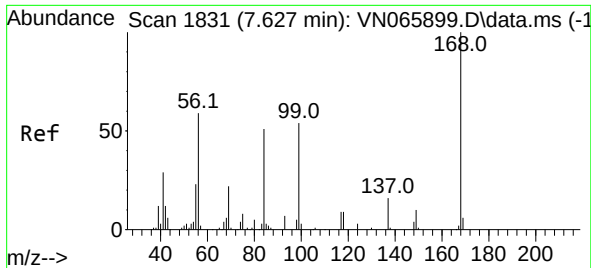
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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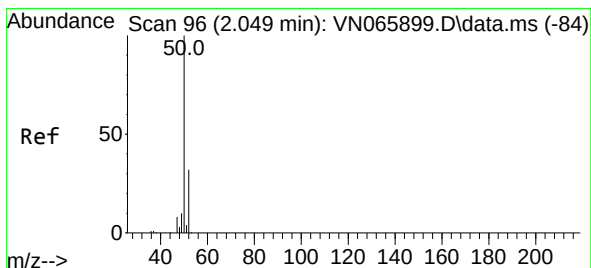
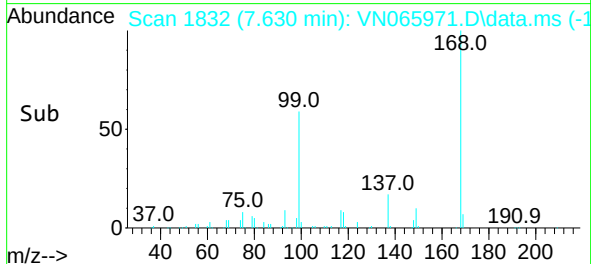
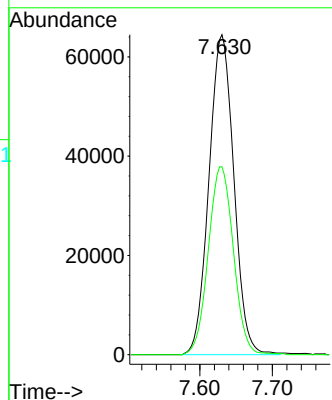
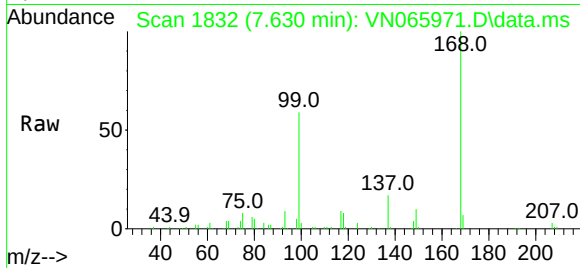




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

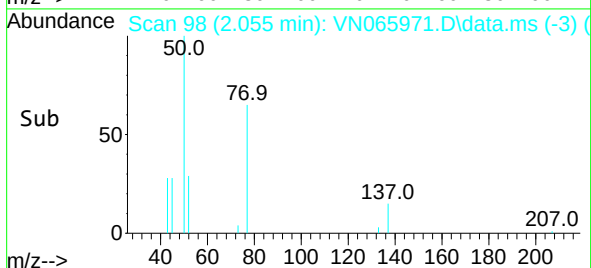
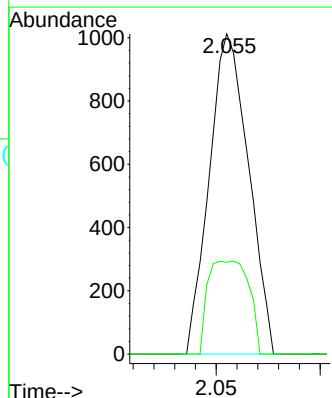
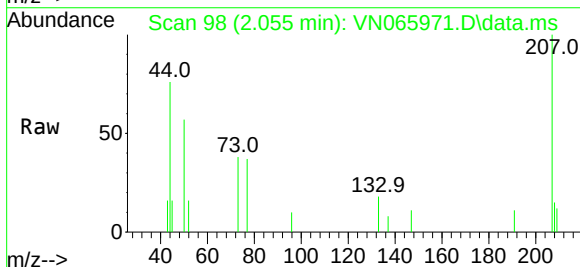
Instrument :
MSVOA_N
ClientSampleId :
TP-6

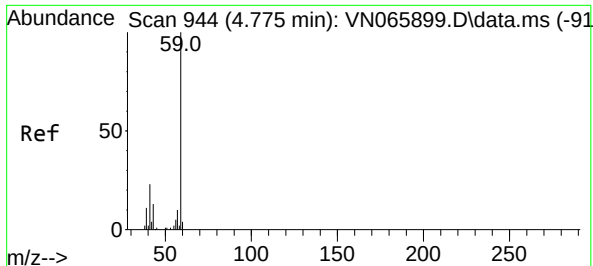
Tgt Ion:168 Resp: 153759
Ion Ratio Lower Upper
168 100
99 58.7 42.6 63.8



#3
Chloromethane
Concen: 0.53 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 50 Resp: 1327
Ion Ratio Lower Upper
50 100
52 28.7 25.8 38.8



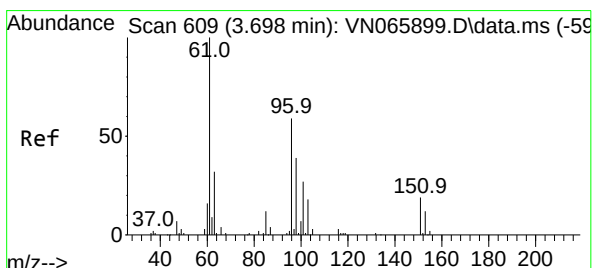
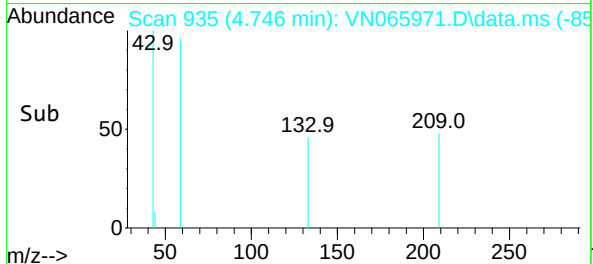
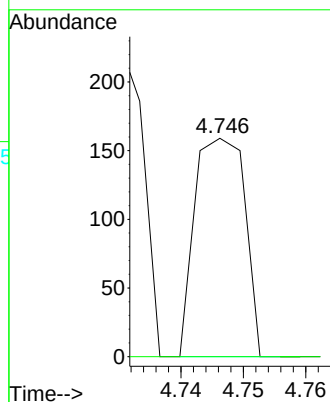
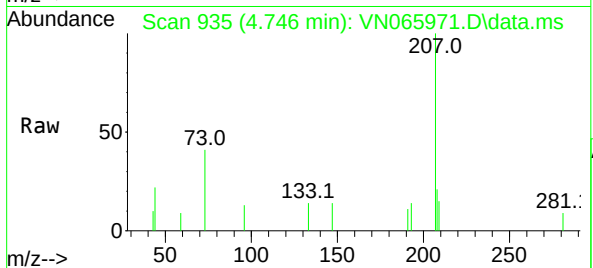


#11

Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.746 min Scan# 935
Delta R.T. -0.029 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Instrument :
MSVOA_N
ClientSampleId :
TP-6

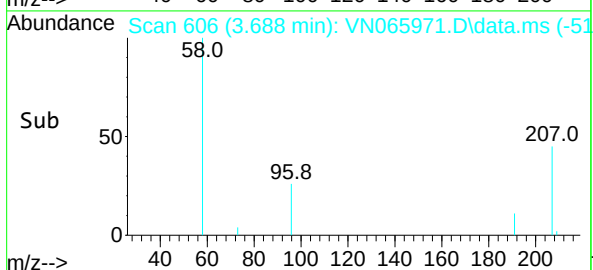
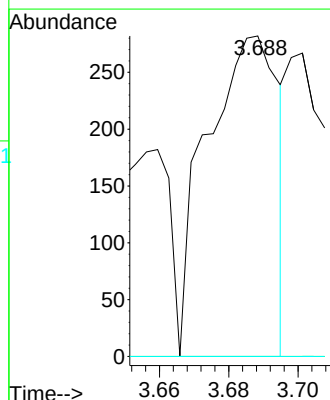
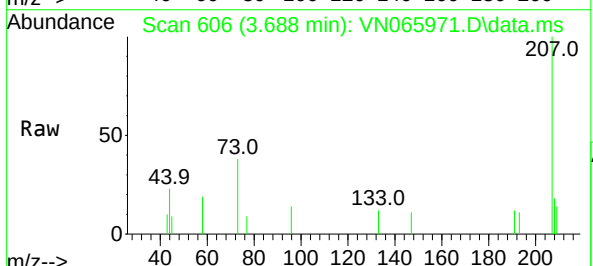
Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

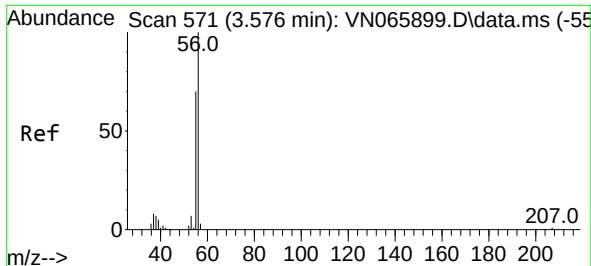


#12

1,1-Dichloroethene
Concen: 0.23 ug/l
RT: 3.688 min Scan# 606
Delta R.T. -0.010 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 96 Resp: 403
Ion Ratio Lower Upper
96 100
61 0.0 122.5 183.7#
98 0.0 50.8 76.2#

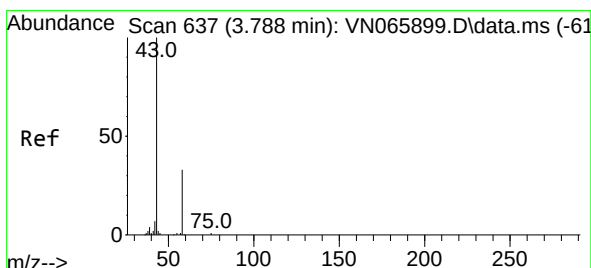
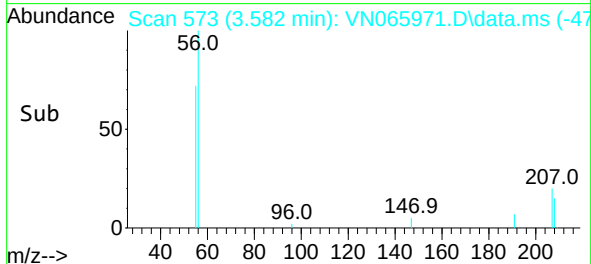
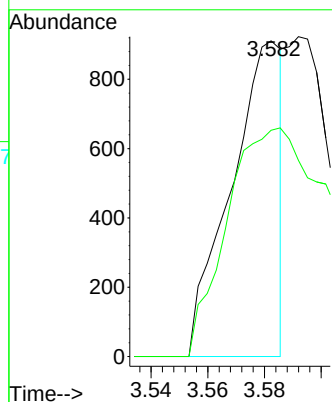
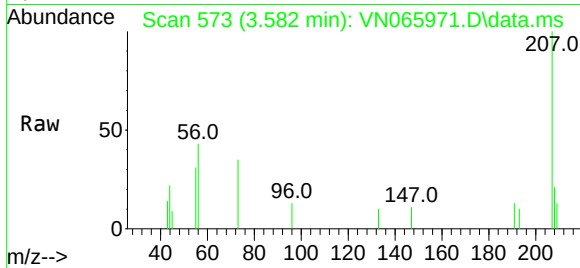




#13
Acrolein
Concen: 4.14 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

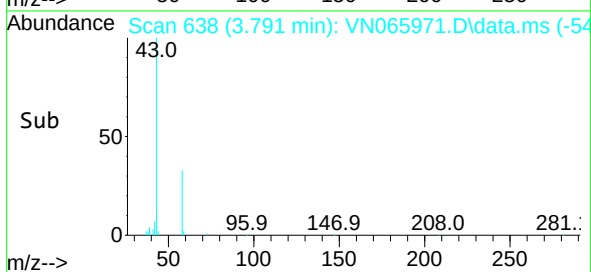
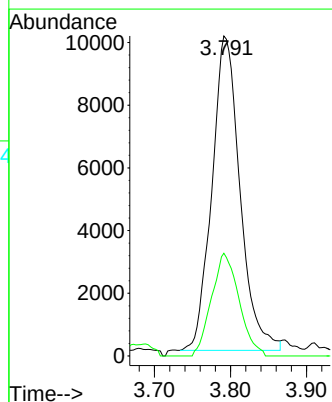
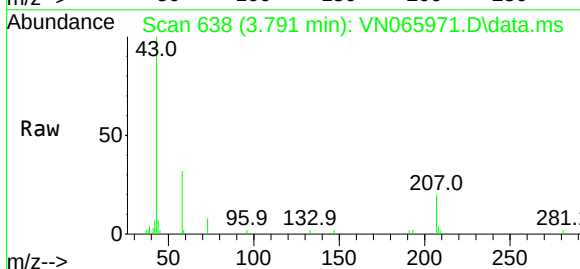
Instrument :
MSVOA_N
ClientSampled :
TP-6

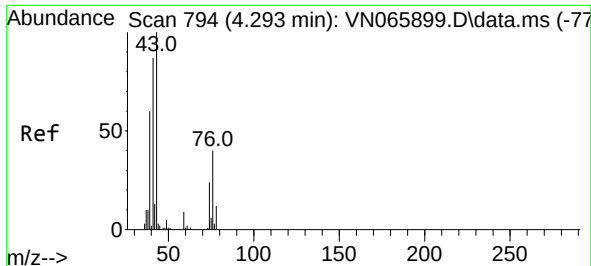
Tgt Ion: 56 Resp: 1133
Ion Ratio Lower Upper
56 100
55 150.4 56.0 84.0#



#16
Acetone
Concen: 36.76 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 43 Resp: 25751
Ion Ratio Lower Upper
43 100
58 32.7 27.0 40.6

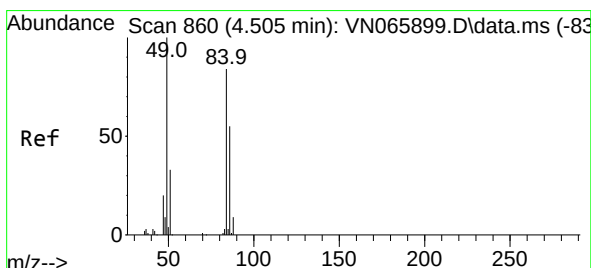
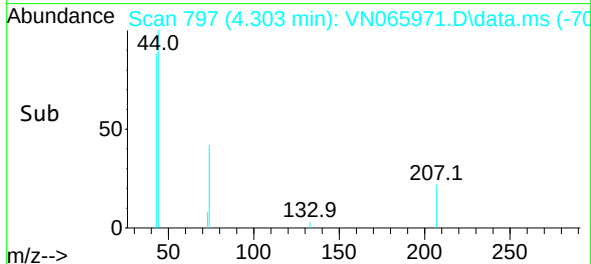
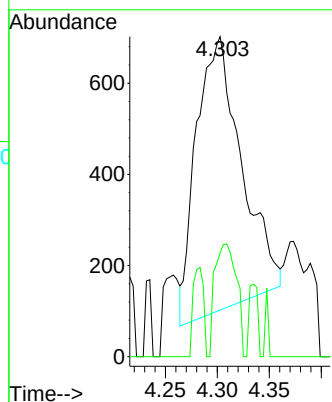
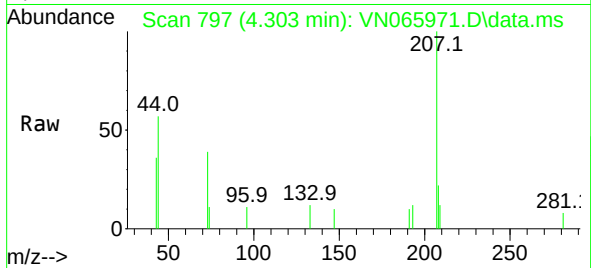




#18
Methyl Acetate
Concen: 1.02 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.010 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

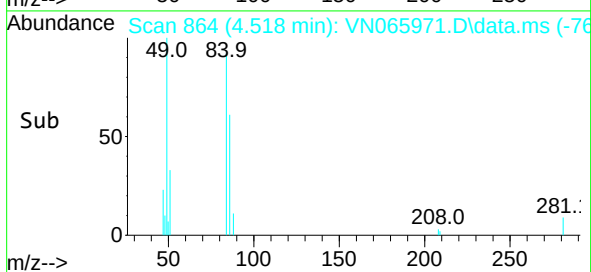
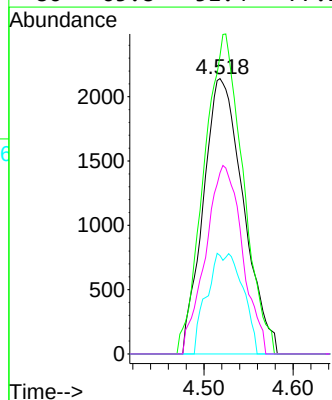
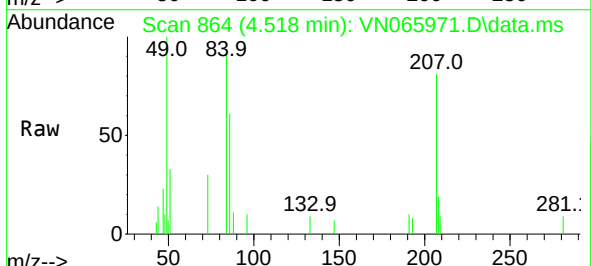
Instrument :
MSVOA_N
ClientSampled :
TP-6

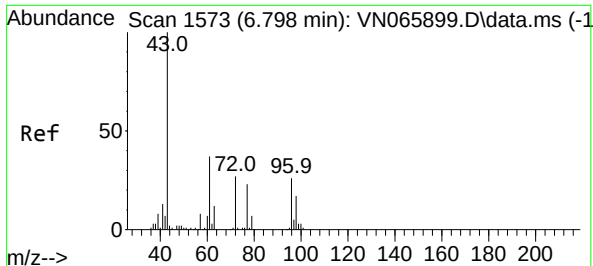
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
74 19.7 19.5 29.3



#20
Methylene Chloride
Concen: 3.35 ug/l
RT: 4.518 min Scan# 864
Delta R.T. 0.013 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 84 Resp: 6682
Ion Ratio Lower Upper
84 100
49 108.4 94.6 141.8
51 35.7 29.9 44.9
86 65.8 51.4 77.2

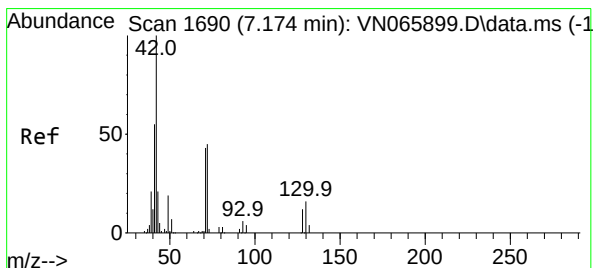
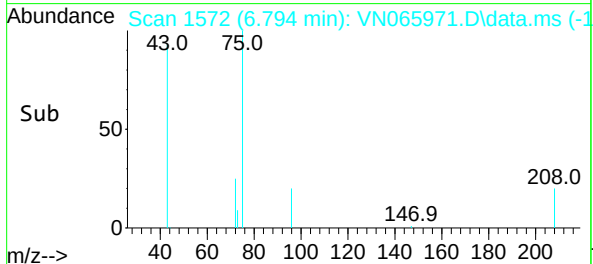
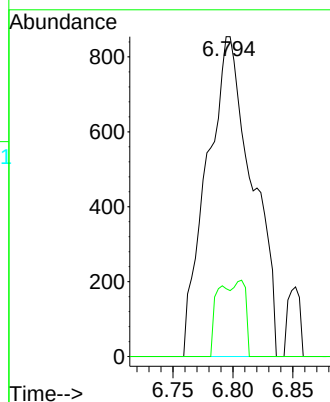
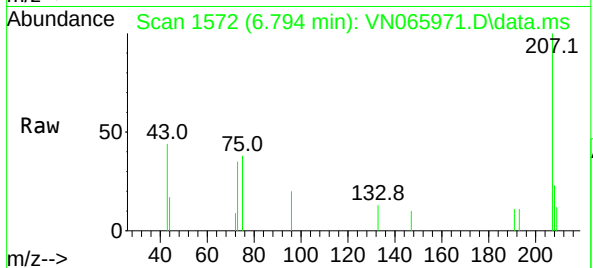




#25
2-Butanone
Concen: 2.10 ug/l
RT: 6.794 min Scan# 1572
Delta R.T. -0.004 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

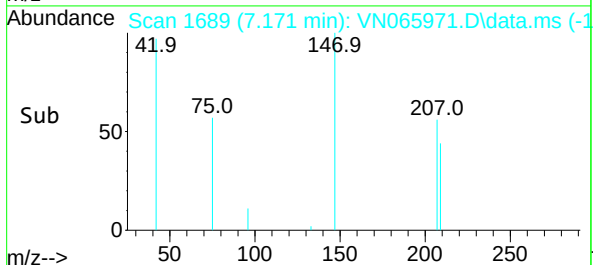
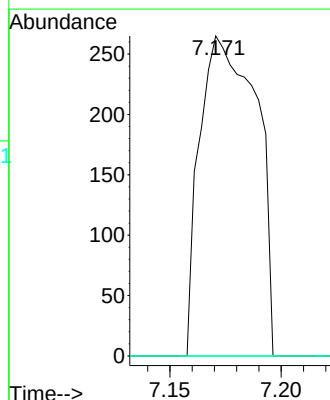
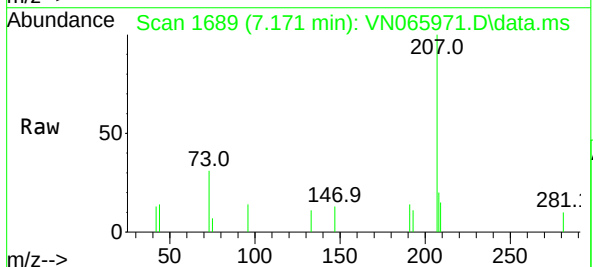
Instrument :
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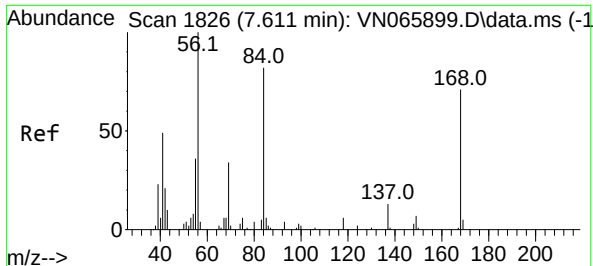
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
72 21.2 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 7.171 min Scan# 1689
Delta R.T. -0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 42 Resp: 468
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

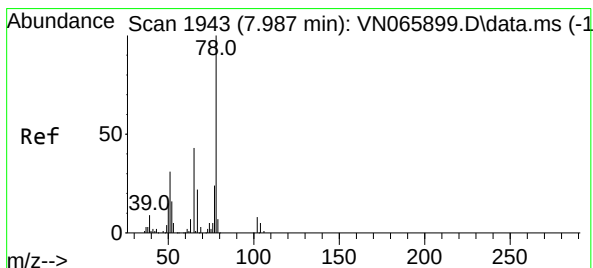
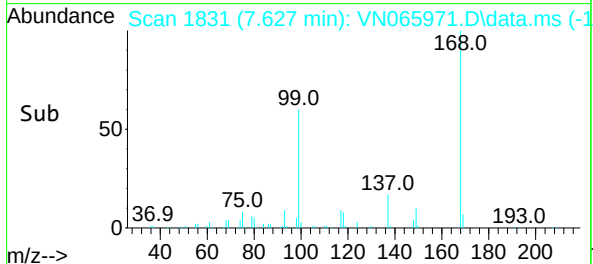
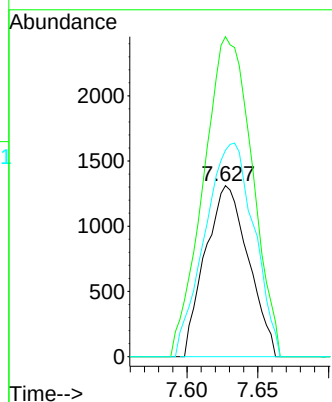
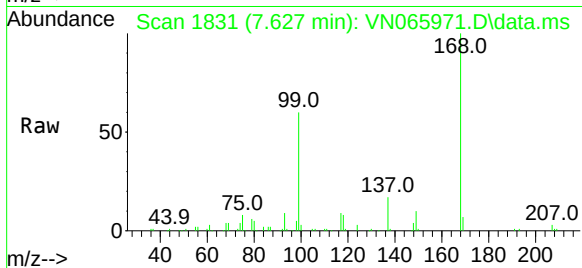




#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

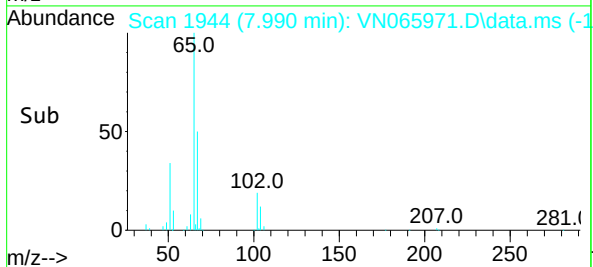
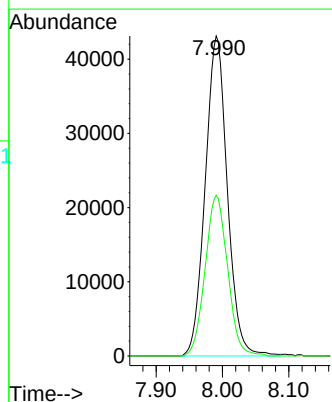
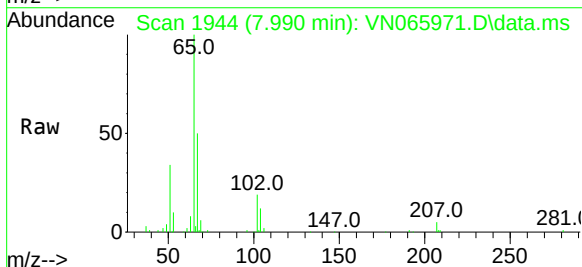
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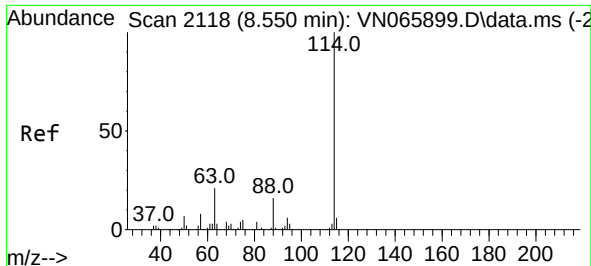
Tgt Ion: 56 Resp: 2774
Ion Ratio Lower Upper
56 100
69 187.0 26.6 39.8#
84 120.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 46.46 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 65 Resp: 99888
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.2



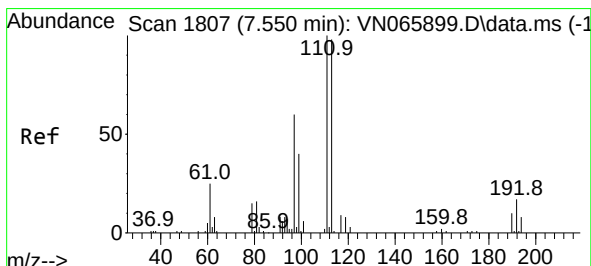
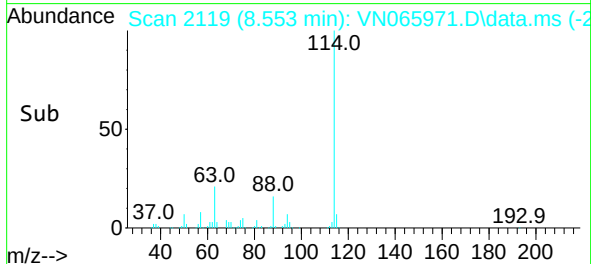
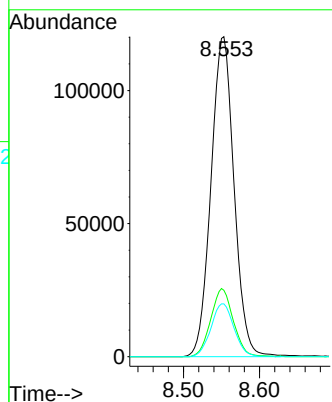
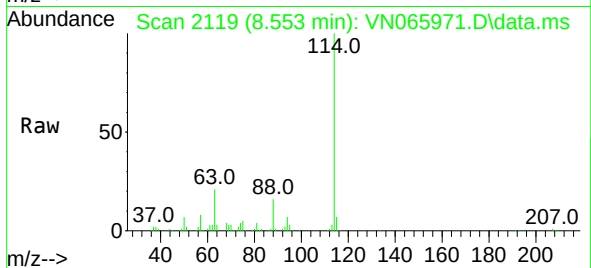


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Instrument :
MSVOA_N
ClientSampled :
TP-6

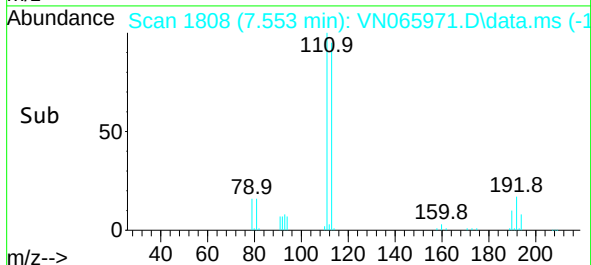
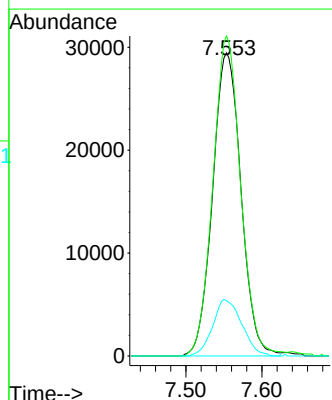
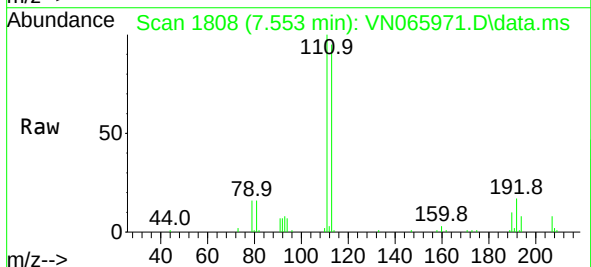
Tgt Ion:114 Resp: 252961
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 16.5 0.0 30.6

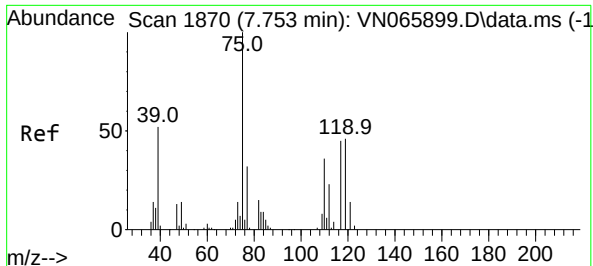


#35

Dibromofluoromethane
Concen: 48.76 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion:113 Resp: 76339
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.1 15.4 23.0

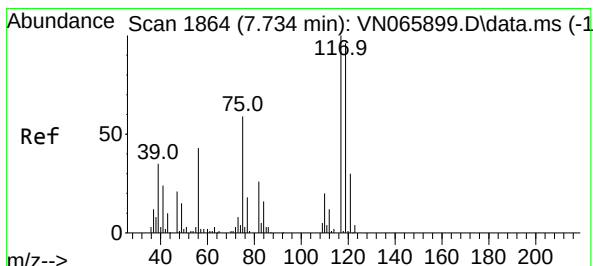
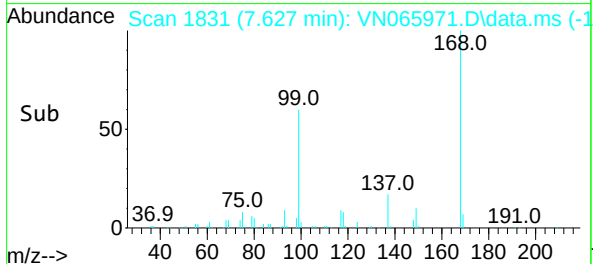
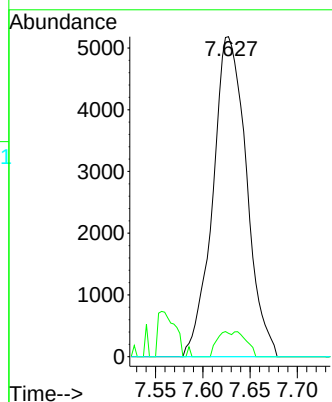
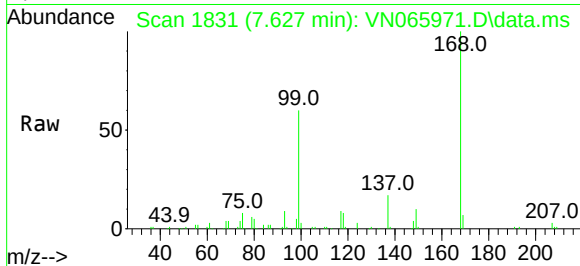




#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

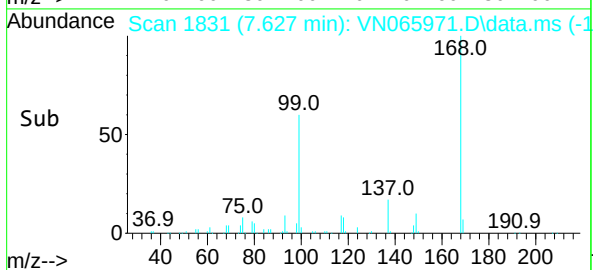
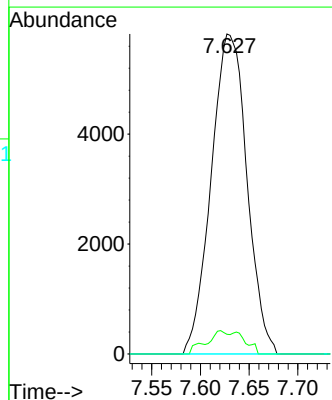
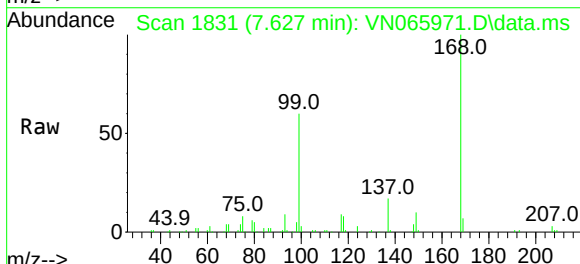
Instrument :
MSVOA_N
ClientSampled :
TP-6

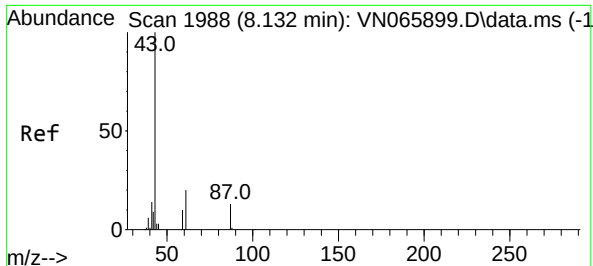
Tgt Ion: 75 Resp: 12831
Ion Ratio Lower Upper
75 100
110 3.5 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.41 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 117 Resp: 14860
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#



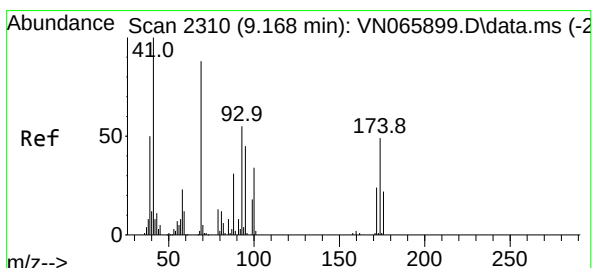
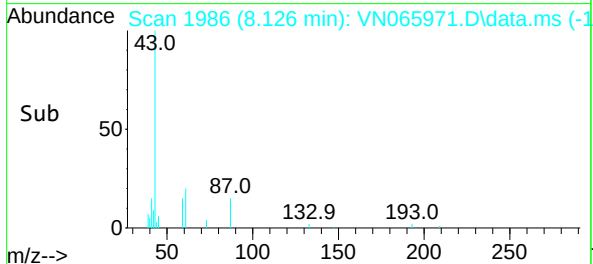
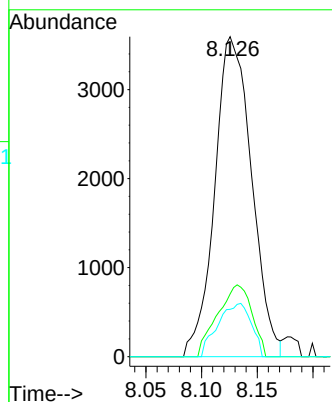
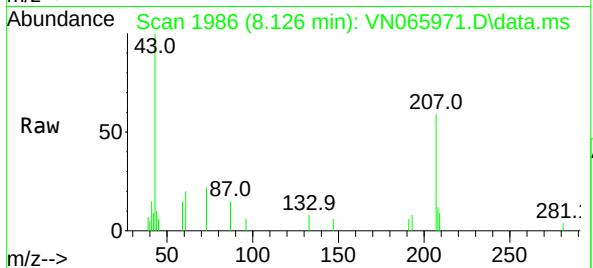


#43

Isopropyl Acetate
Concen: 2.31 ug/l
RT: 8.126 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Instrument :
MSVOA_N
ClientSampled :
TP-6

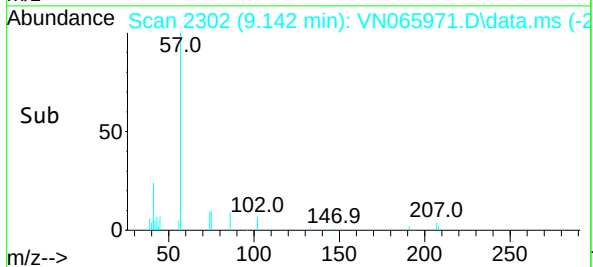
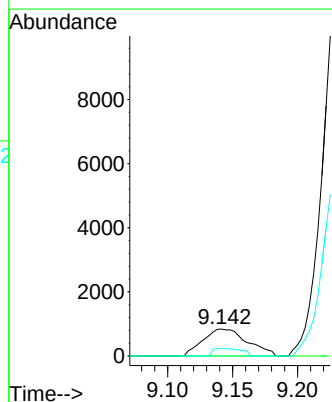
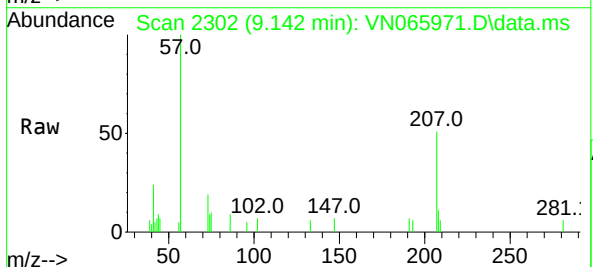
Tgt Ion: 43 Resp: 8275
Ion Ratio Lower Upper
43 100
61 21.0 22.5 33.7#
87 15.1 11.1 16.7

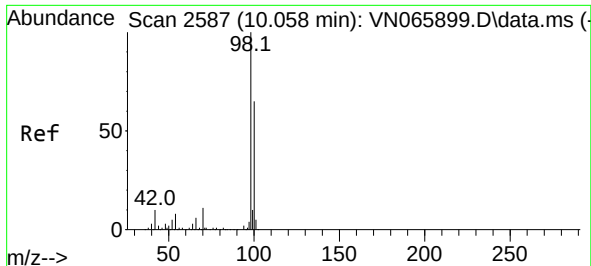


#48

Methyl methacrylate
Concen: 1.10 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 41 Resp: 1999
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

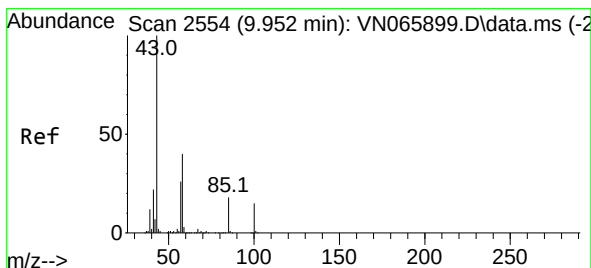
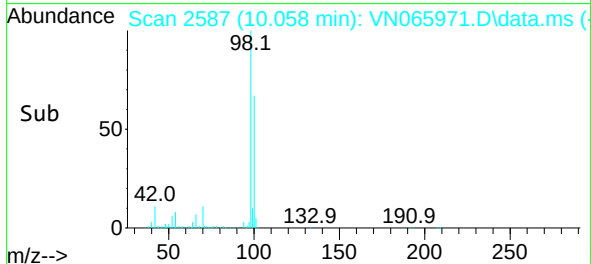
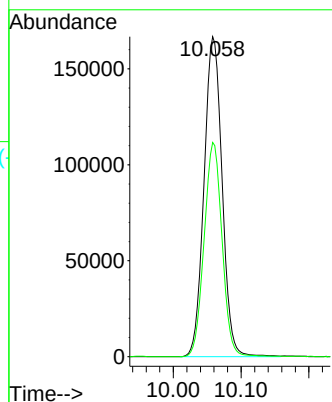
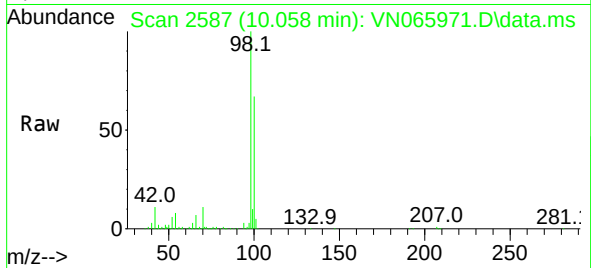




#50
Toluene-d8
Concen: 48.15 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

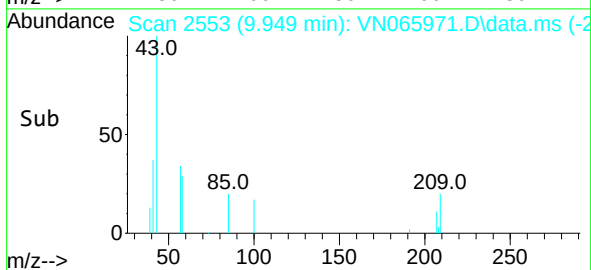
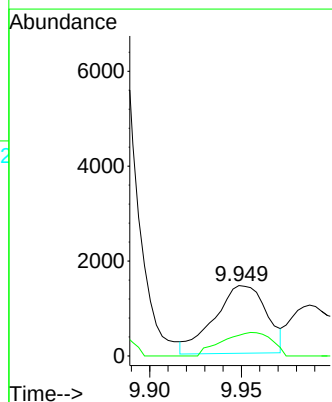
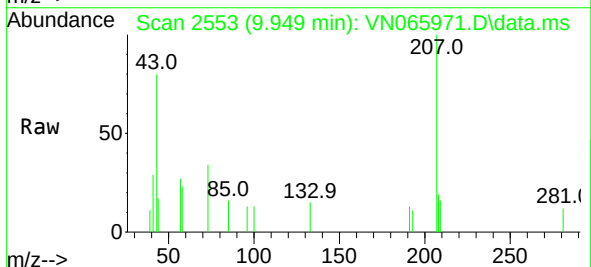
Instrument :
MSVOA_N
ClientSampled :
TP-6

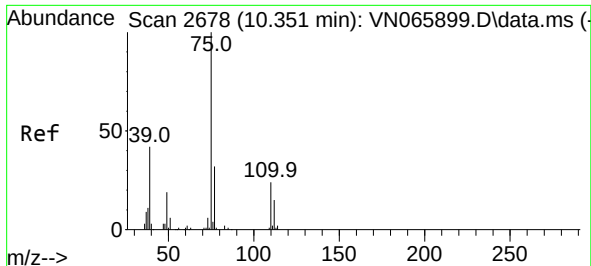
Tgt Ion: 98 Resp: 309456
Ion Ratio Lower Upper
98 100
100 66.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.29 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
58 33.3 32.5 48.7

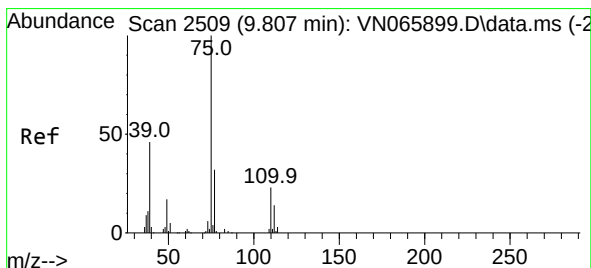
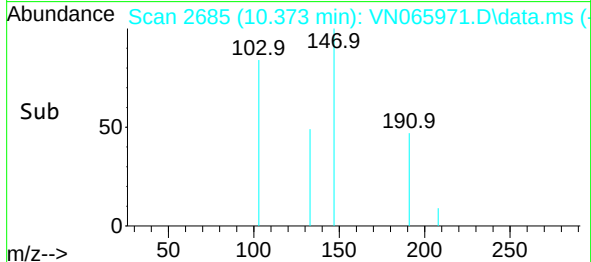
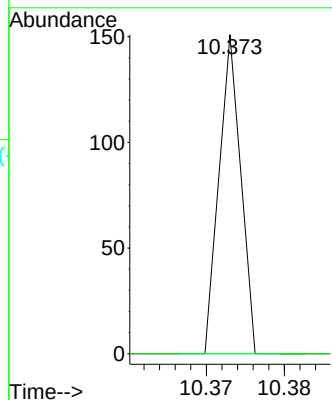
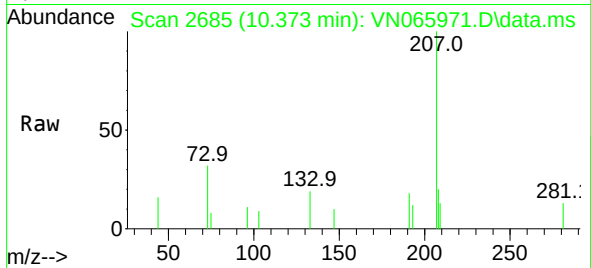




#53
t-1,3-Dichloropropene
Concen: 1.99 ug/l
RT: 10.373 min Scan# 2685
Delta R.T. 0.022 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

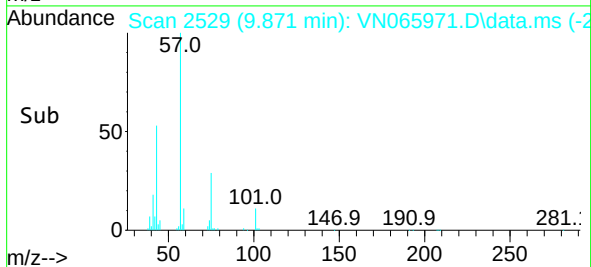
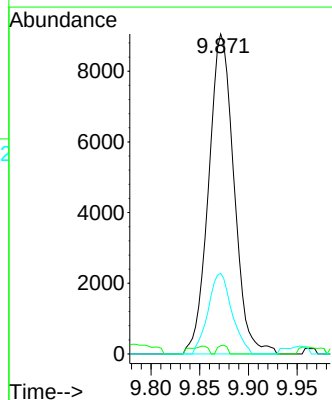
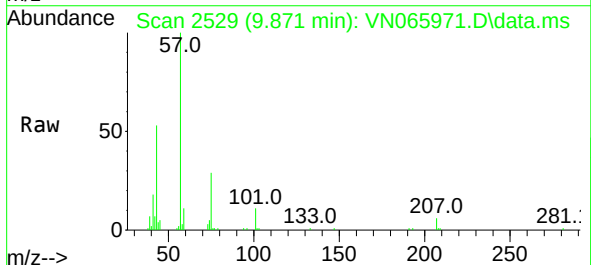
Instrument :
MSVOA_N
ClientSampled :
TP-6

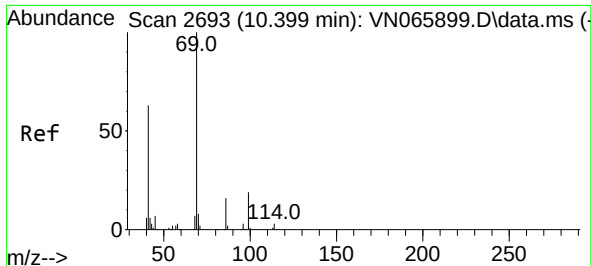
Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 5.44 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 75 Resp: 16386
Ion Ratio Lower Upper
75 100
77 2.6 24.9 37.3#
39 25.2 36.2 54.4#

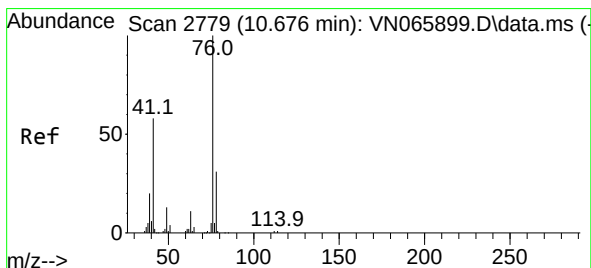
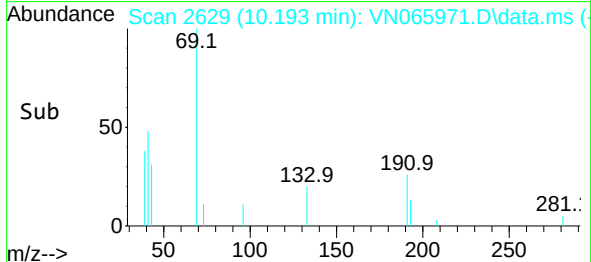
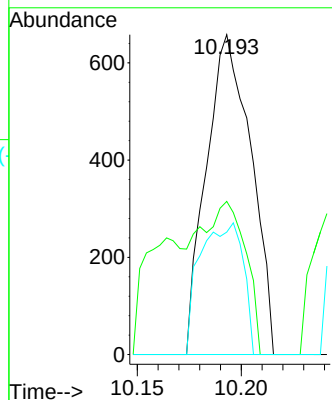
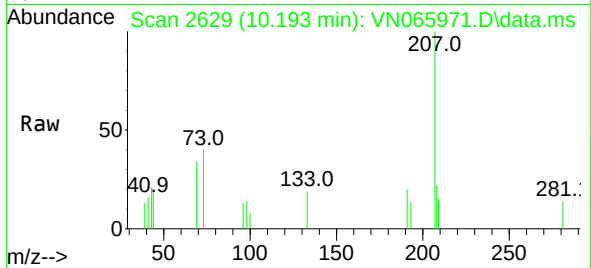




#56
Ethyl methacrylate
Concen: 0.37 ug/l
RT: 10.193 min Scan# 2629
Delta R.T. -0.206 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

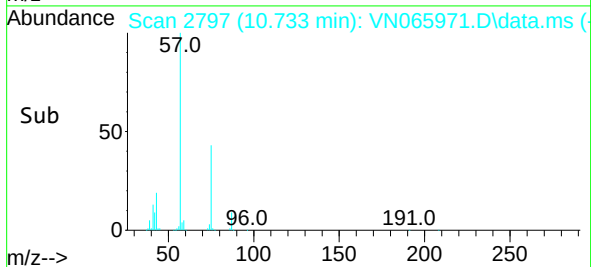
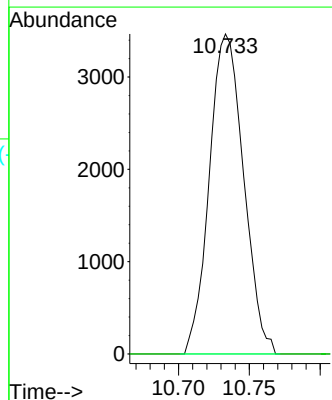
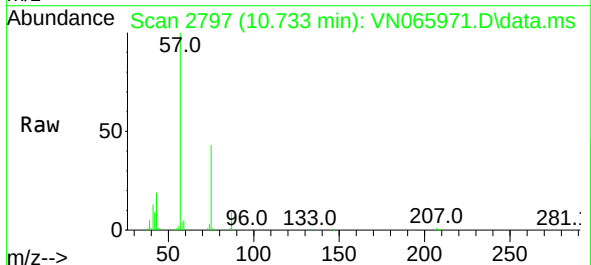
Instrument :
MSVOA_N
ClientSampleId :
TP-6

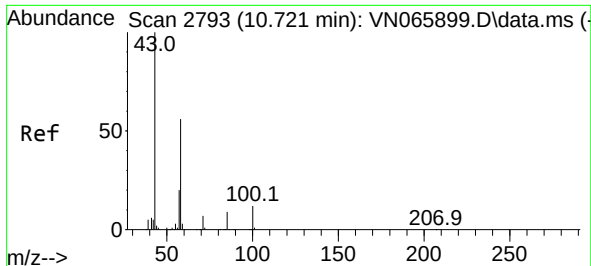
Tgt Ion: 69 Resp: 982
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 39.6 28.0 42.0



#57
1,3-Dichloropropane
Concen: 1.88 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 76 Resp: 5831
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

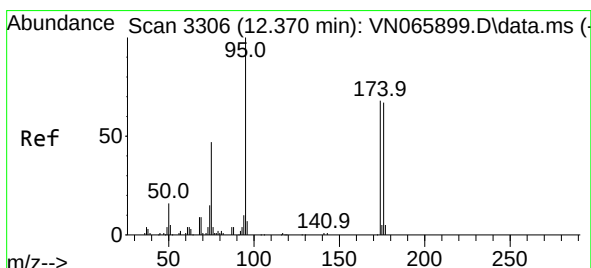
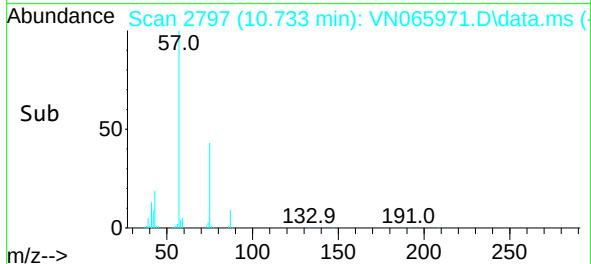
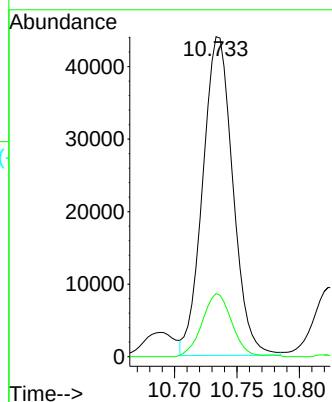
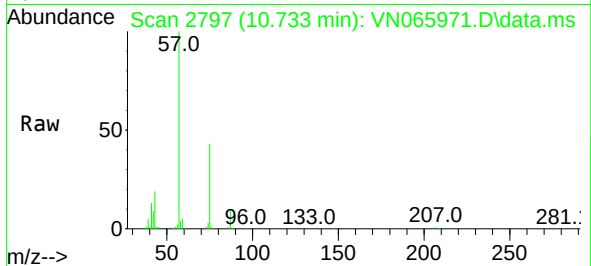




#59
2-Hexanone
Concen: 47.48 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

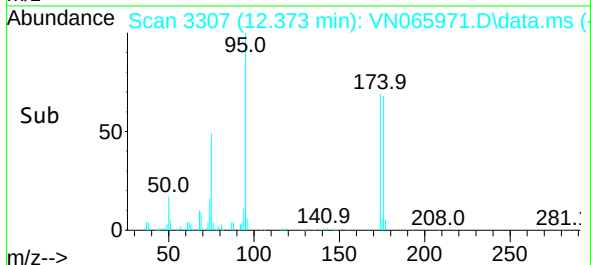
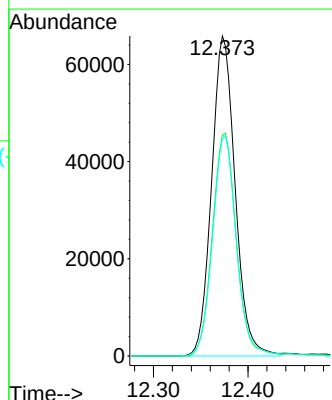
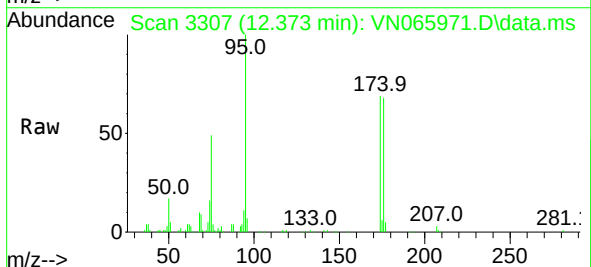
Instrument :
MSVOA_N
ClientSampled :
TP-6

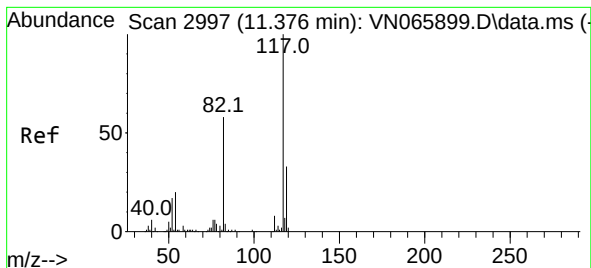
Tgt Ion: 43 Resp: 73877
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.24 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 95 Resp: 113967
Ion Ratio Lower Upper
95 100
174 70.6 0.0 169.0
176 69.5 0.0 162.4

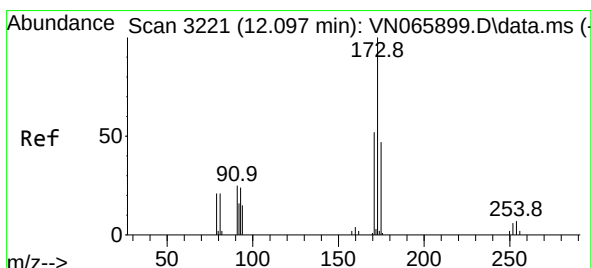
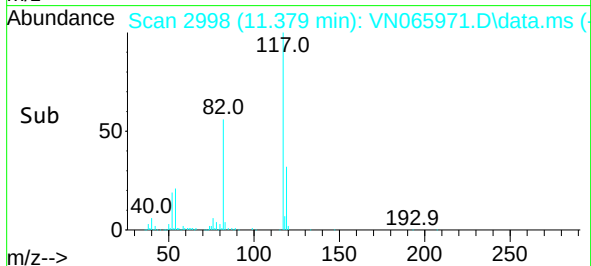
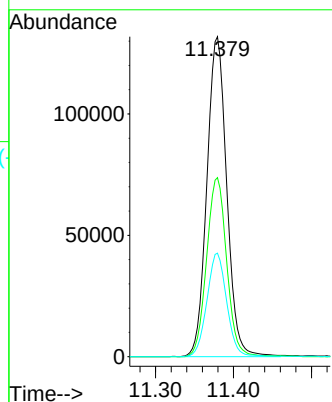
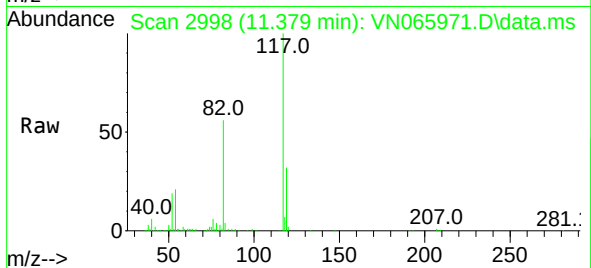




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

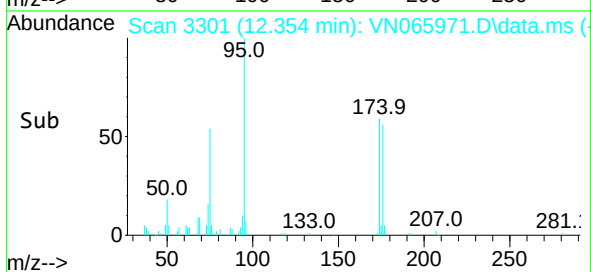
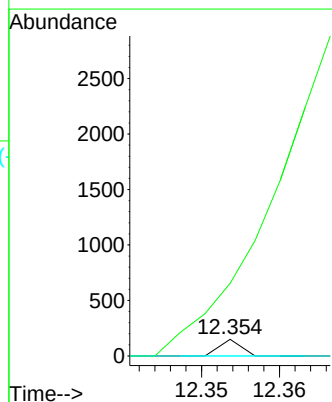
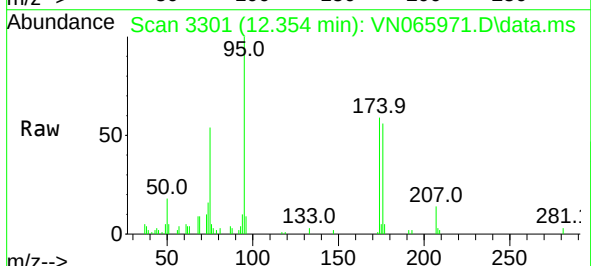
Instrument :
MSVOA_N
ClientSampleId :
TP-6

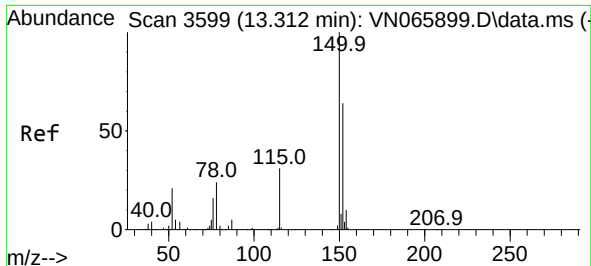
Tgt Ion:117 Resp: 233584
Ion Ratio Lower Upper
117 100
82 56.0 43.7 65.5
119 32.4 26.1 39.1



#71
Bromoform
Concen: 2.52 ug/l
RT: 12.354 min Scan# 3301
Delta R.T. 0.257 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion:173 Resp: 29
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0

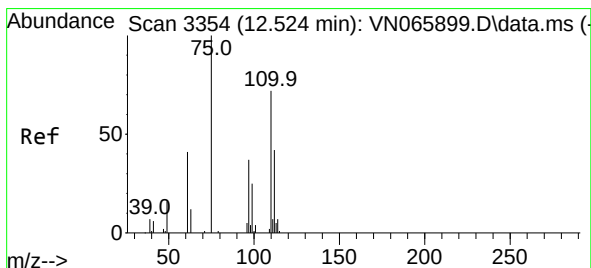
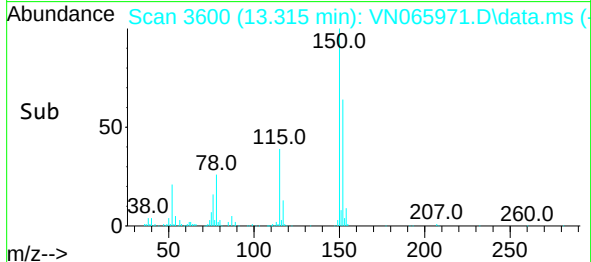
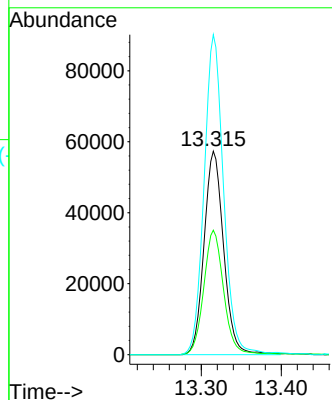
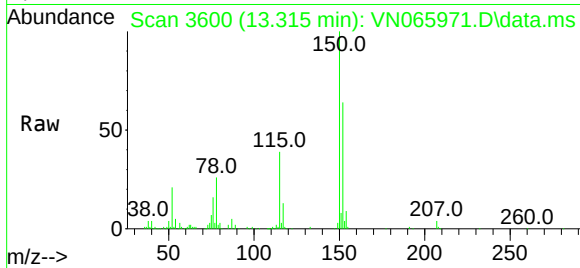




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065971.D
 Acq: 22 Feb 2021 19:42

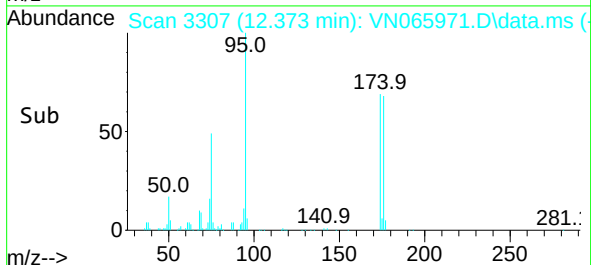
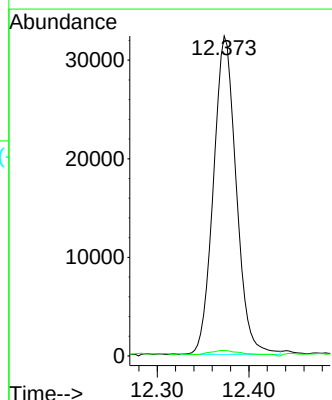
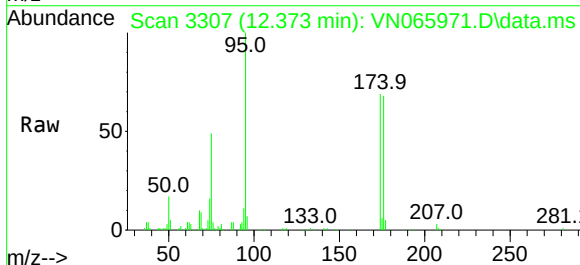
Instrument :
 MSVOA_N
 ClientSampled :
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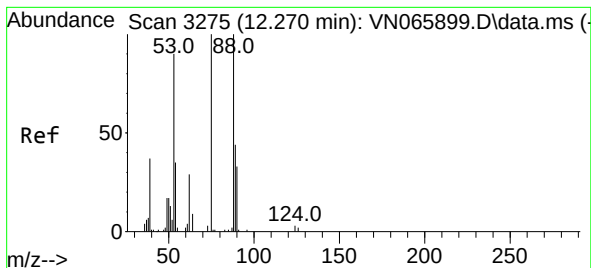
Tgt Ion:152 Resp: 98038
 Ion Ratio Lower Upper
 152 100
 115 61.6 28.5 85.6
 150 155.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.67 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065971.D
 Acq: 22 Feb 2021 19:42

Tgt Ion: 75 Resp: 55741
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

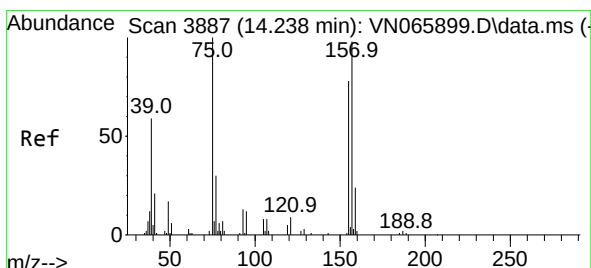
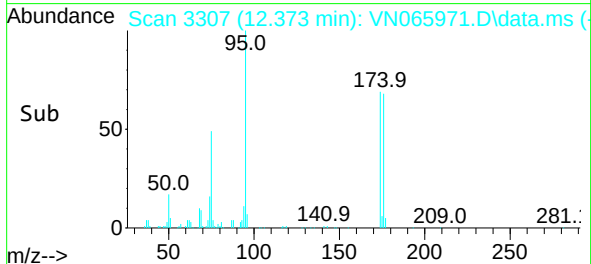
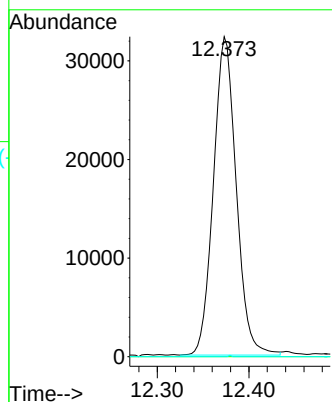
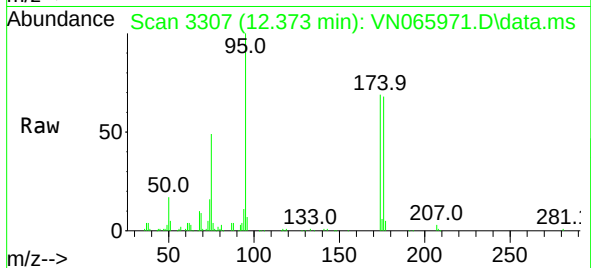




#81
trans-1,4-Dichloro-2-butene
Concen: 75.43 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

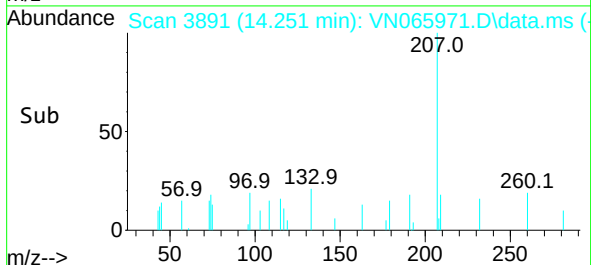
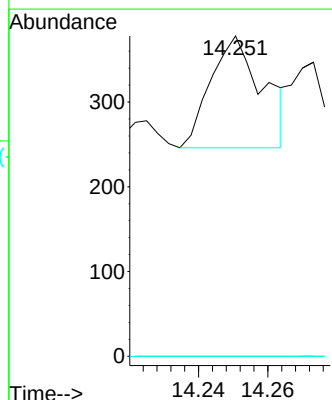
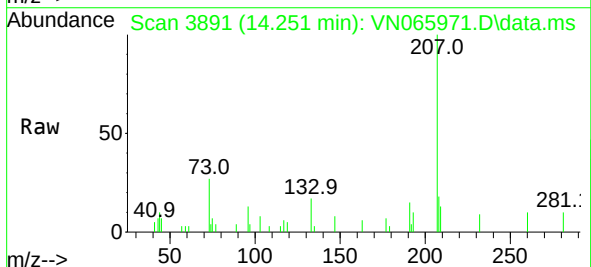
Instrument :
MSVOA_N
ClientSampleId :
TP-6

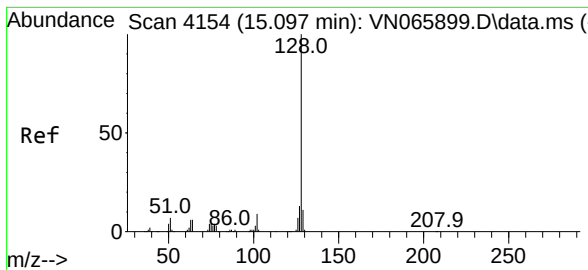
Tgt Ion: 75 Resp: 55741
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.14 ug/l
RT: 14.251 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Tgt Ion: 75 Resp: 138
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.08 ug/l
RT: 15.090 min Scan# 4152
Delta R.T. -0.007 min
Lab File: VN065971.D
Acq: 22 Feb 2021 19:42

Instrument :
MSVOA_N
ClientSampleId :
TP-6

Tgt Ion:	128	Resp:	135
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

