

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065973.D
 Acq On : 22 Feb 2021 20:29
 Operator : JC/MD
 Sample : M1452-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 00:13:58 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)

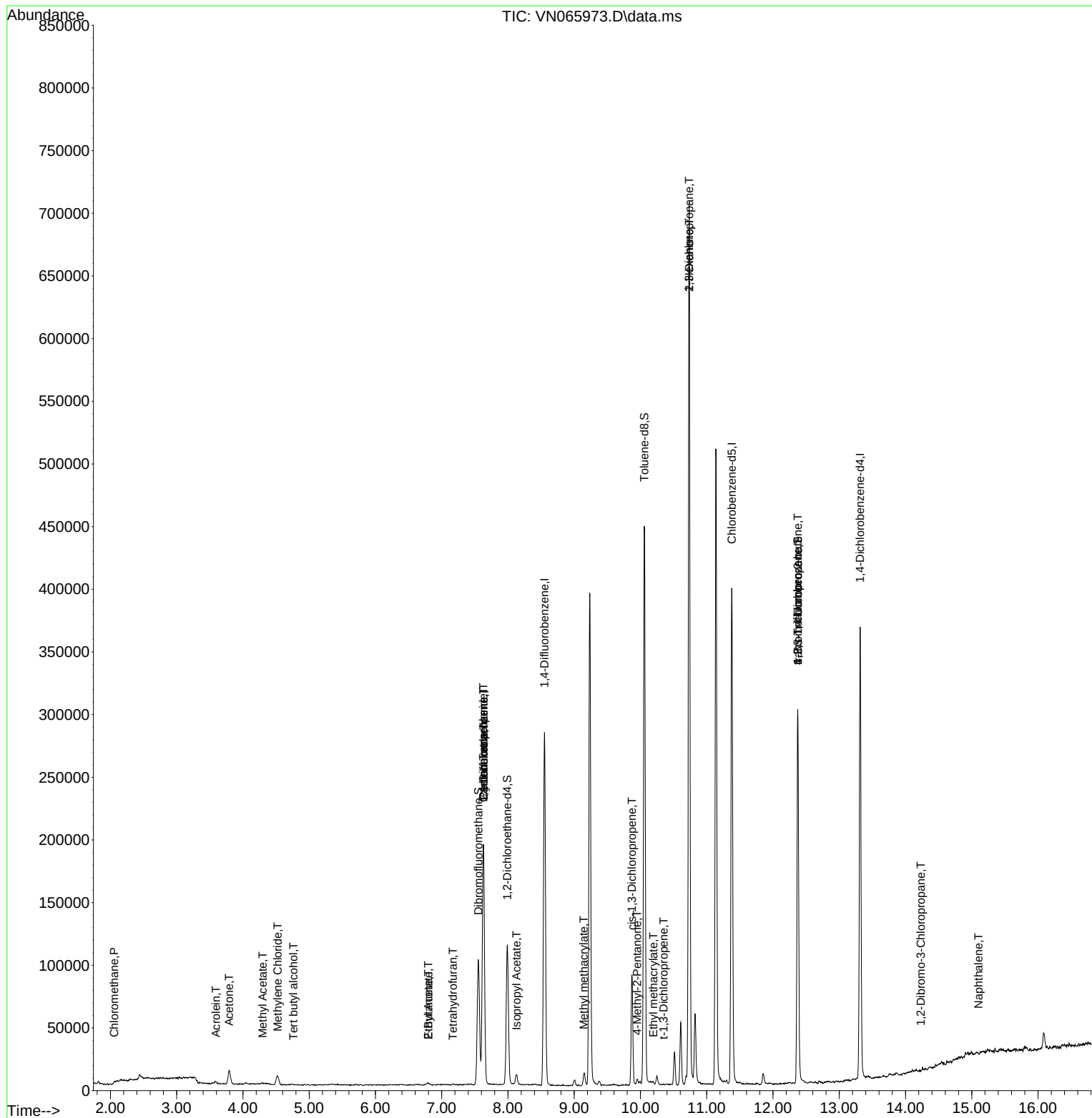
Internal Standards						
1) Pentafluorobenzene	7.631	168	156669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	262121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	242186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	100626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	101647	46.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.80%		
35) Dibromofluoromethane	7.553	113	77577	47.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.64%		
50) Toluene-d8	10.058	98	318674	47.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.72%		
62) 4-Bromofluorobenzene	12.373	95	117597	47.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.08%		
Target Compounds						
						Qvalue
3) Chloromethane	2.055	50	1070	0.42	ug/l	93
11) Tert butyl alcohol	4.763	59	98	0.32	ug/l #	73
13) Acrolein	3.592	56	2112	7.58	ug/l	89
16) Acetone	3.791	43	18177	24.97	ug/l	97
18) Methyl Acetate	4.296	43	1380	0.76	ug/l	96
20) Methylene Chloride	4.525	84	5749	2.83	ug/l	96
25) 2-Butanone	6.798	43	1899	1.75	ug/l #	46
29) Tetrahydrofuran	7.171	42	415	0.56	ug/l #	32
31) Cyclohexane	7.631	56	3097	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	12460	4.82	ug/l #	48
37) Ethyl Acetate	6.798	43	1899	0.81	ug/l #	68
38) Carbon Tetrachloride	7.627	117	15156	6.31	ug/l #	16
43) Isopropyl Acetate	8.129	43	9521	2.56	ug/l #	90
48) Methyl methacrylate	9.145	41	2404	1.28	ug/l #	10
51) 4-Methyl-2-Pentanone	9.949	43	3213	1.42	ug/l #	85
53) t-1,3-Dichloropropene	10.348	75	61	2.00	ug/l #	1
54) cis-1,3-Dichloropropene	9.872	75	18367	5.88	ug/l #	56
56) Ethyl methacrylate	10.196	69	1099	0.40	ug/l #	93
57) 1,3-Dichloropropane	10.733	76	7613	2.37	ug/l #	43
59) 2-Hexanone	10.733	43	100244	62.18	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	60730	25.12	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	60730	80.06	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.232	75	91	1.03	ug/l #	1
95) Naphthalene	15.100	128	138	3.08	ug/l #	69

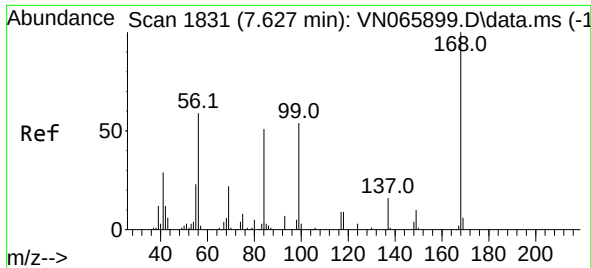
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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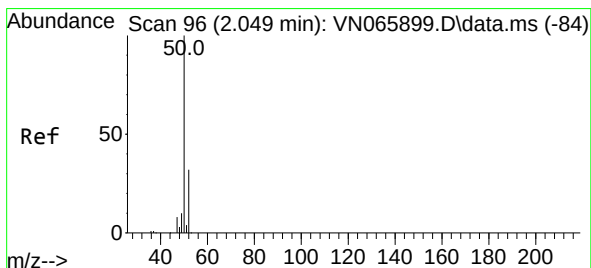
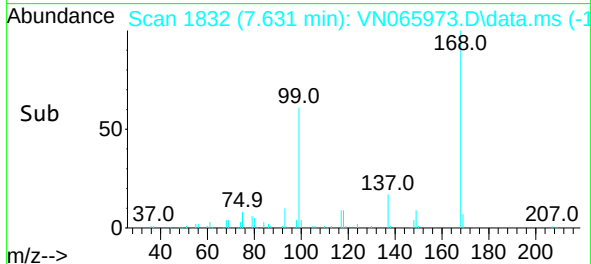
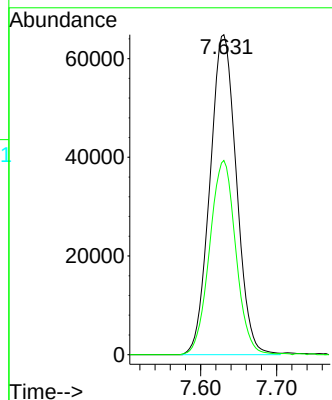
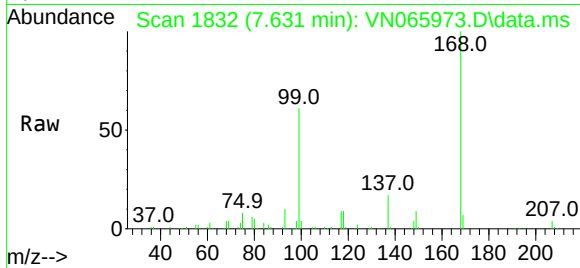




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

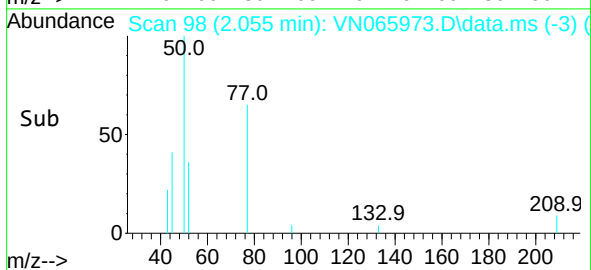
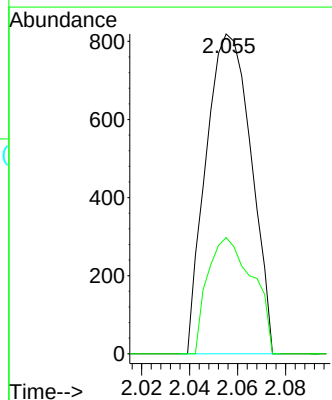
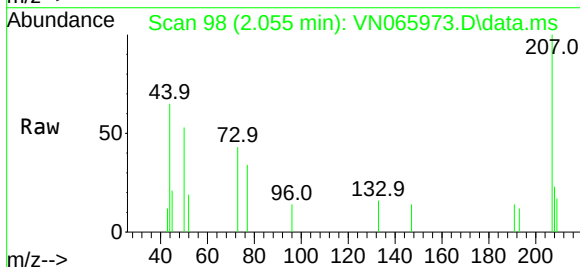
Instrument :
MSVOA_N
ClientSampleId :

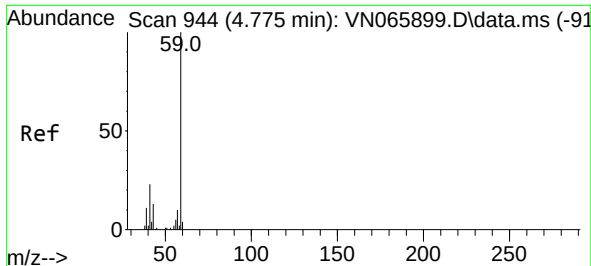
Tgt Ion:168 Resp: 156669
Ion Ratio Lower Upper
168 100
99 60.7 42.6 63.8



#3
Chloromethane
Concen: 0.42 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 50 Resp: 1070
Ion Ratio Lower Upper
50 100
52 36.4 25.8 38.8

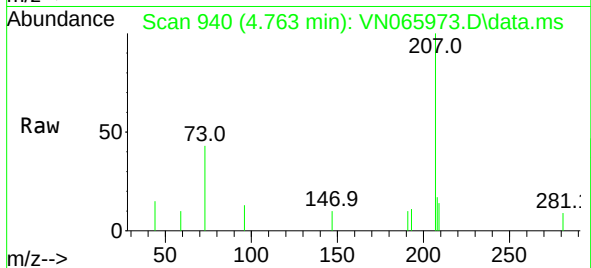




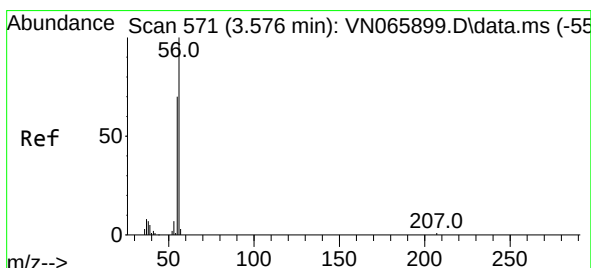
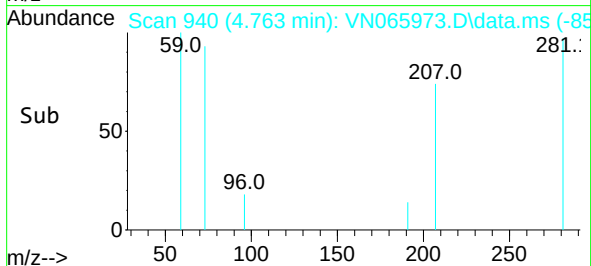
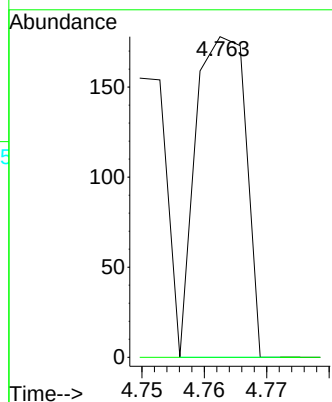
#11

Tert butyl alcohol
Concen: 0.32 ug/l
RT: 4.763 min Scan# 940
Delta R.T. -0.012 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Instrument :
MSVOA_N
ClientSampled :



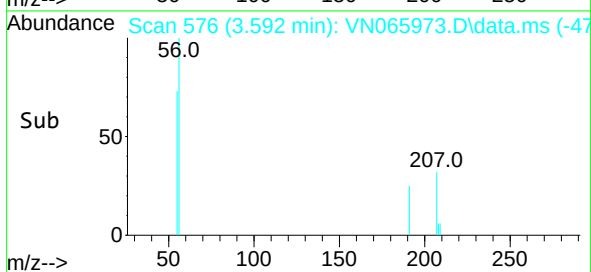
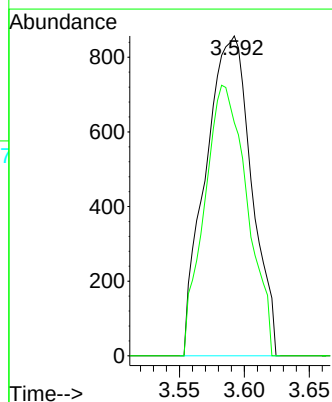
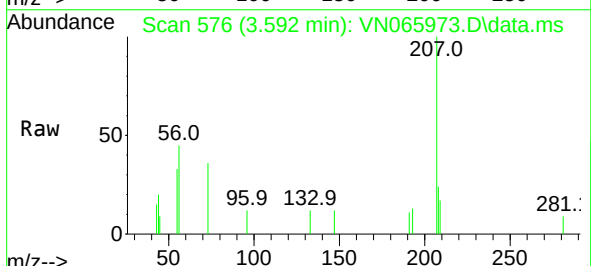
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

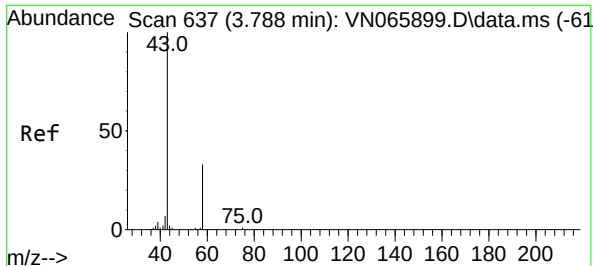


#13

Acrolein
Concen: 7.58 ug/l
RT: 3.592 min Scan# 576
Delta R.T. 0.016 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

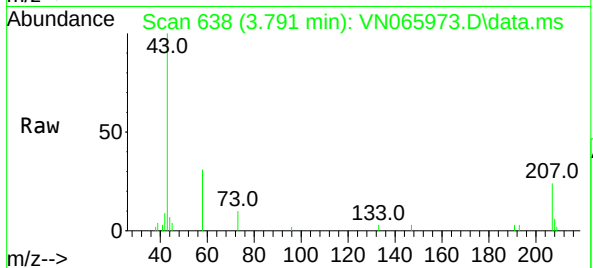
Tgt Ion: 56 Resp: 2112
Ion Ratio Lower Upper
56 100
55 78.8 56.0 84.0



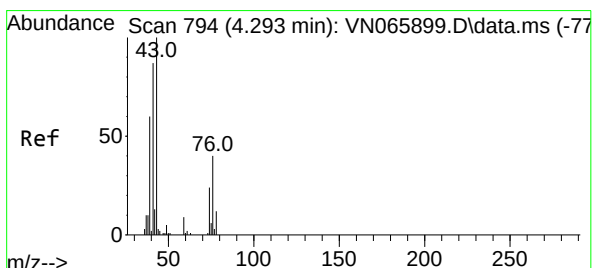
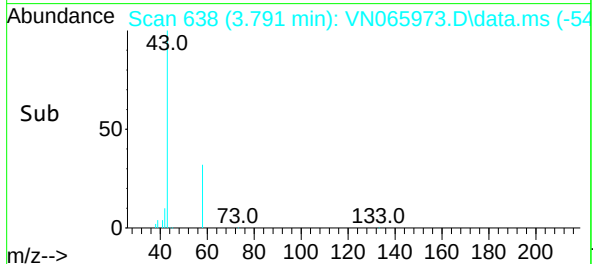
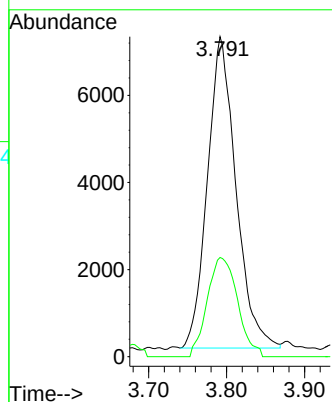


#16
Acetone
Concen: 24.97 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Instrument :
MSVOA_N
ClientSampled :

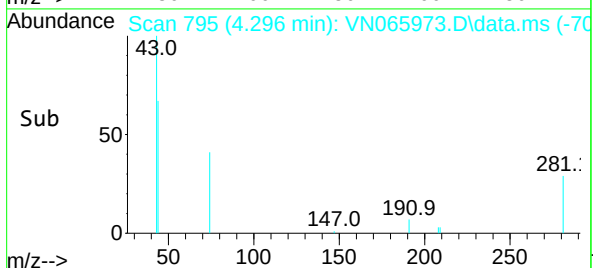
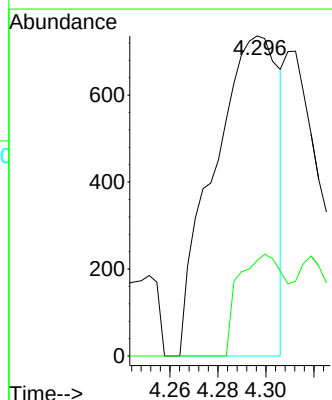
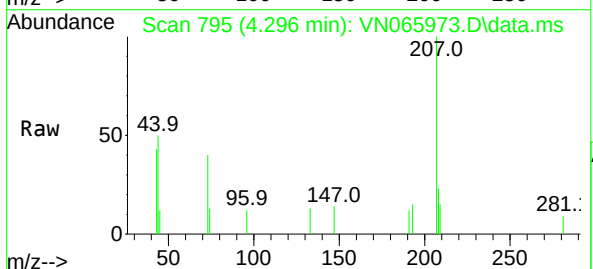


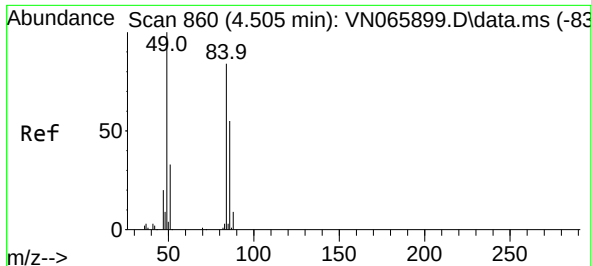
Tgt Ion: 43 Resp: 18177
Ion Ratio Lower Upper
43 100
58 31.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.76 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

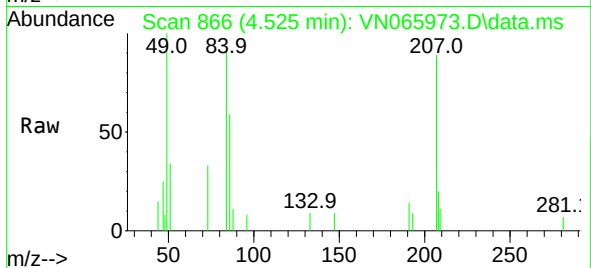
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
74 22.4 19.5 29.3



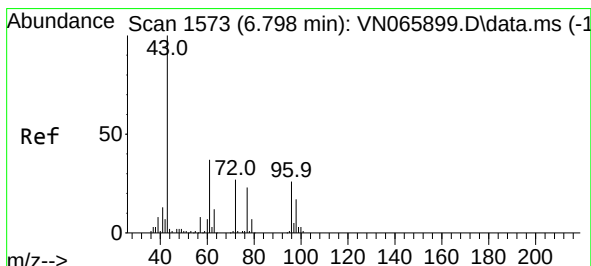
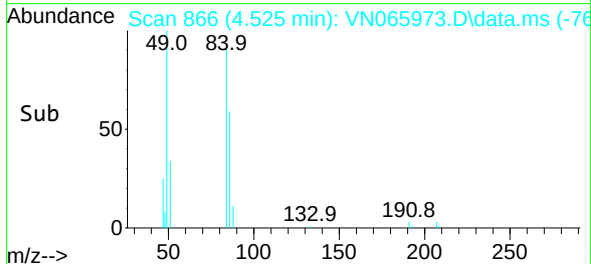
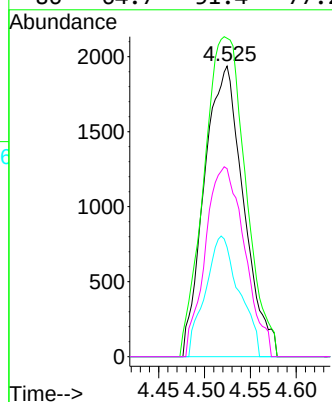


#20
Methylene Chloride
Concen: 2.83 ug/l
RT: 4.525 min Scan# 866
Delta R.T. 0.020 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Instrument :
MSVOA_N
ClientSampled :

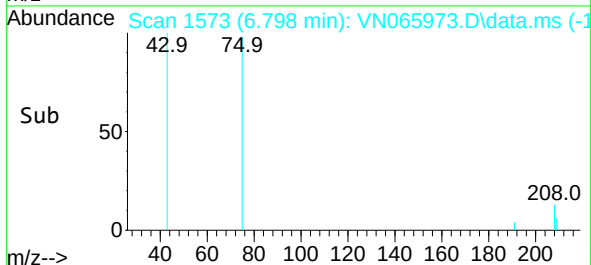
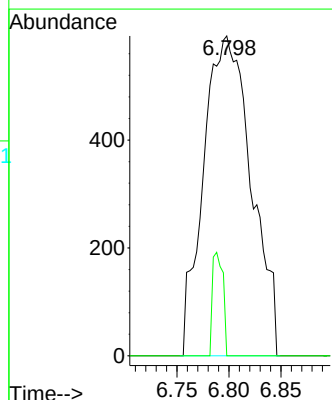
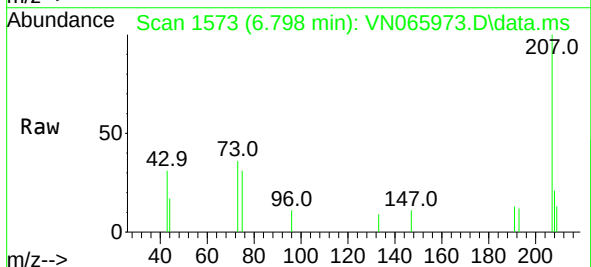


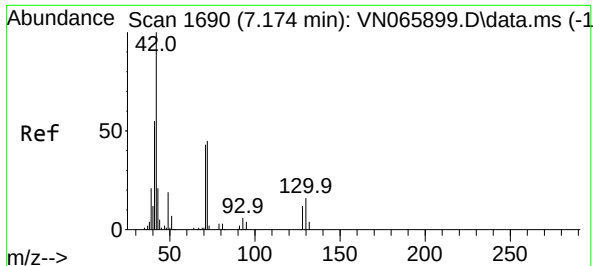
Tgt Ion: 84	Resp: 5749
Ion Ratio	Lower Upper
84 100	
49 109.6	94.6 141.8
51 37.7	29.9 44.9
86 64.7	51.4 77.2



#25
2-Butanone
Concen: 1.75 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 43	Resp: 1899
Ion Ratio	Lower Upper
43 100	
72 0.0	23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 7.171 min Scan# 1689

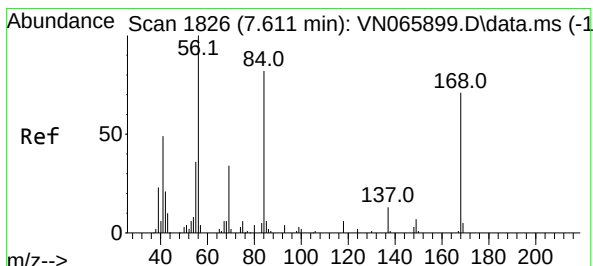
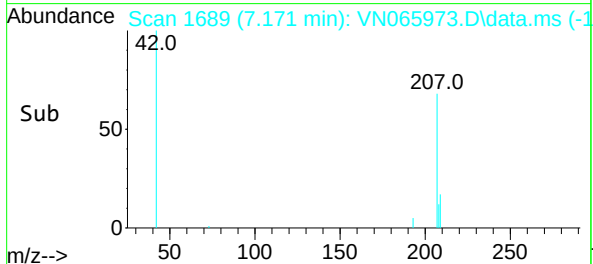
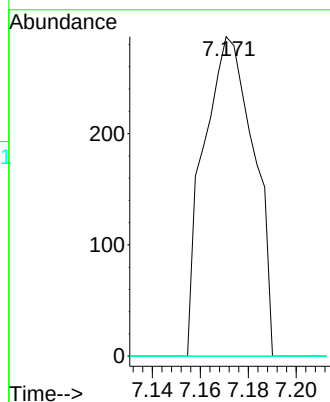
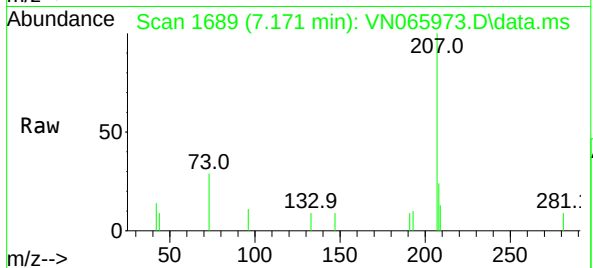
Delta R.T. -0.003 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	415
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#



#31

Cyclohexane

Concen: 0.95 ug/l

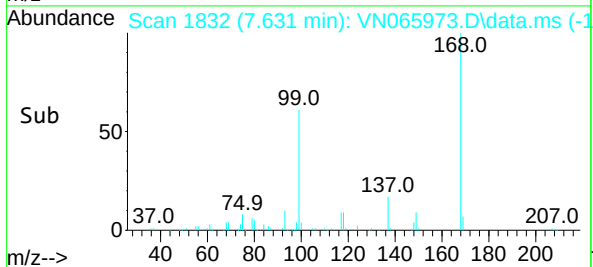
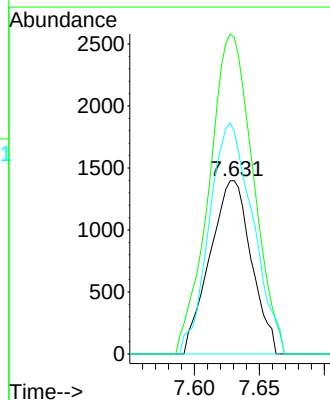
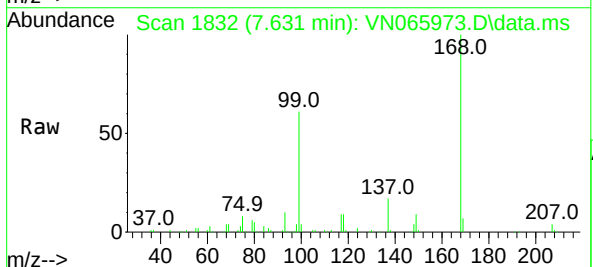
RT: 7.631 min Scan# 1832

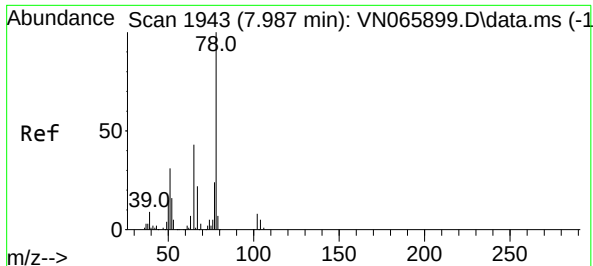
Delta R.T. 0.020 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion:	56	Resp:	3097
Ion	Ratio	Lower	Upper
56	100		
69	171.9	26.6	39.8#
84	128.3	70.4	105.6#

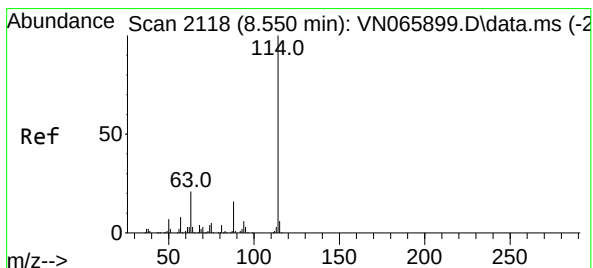
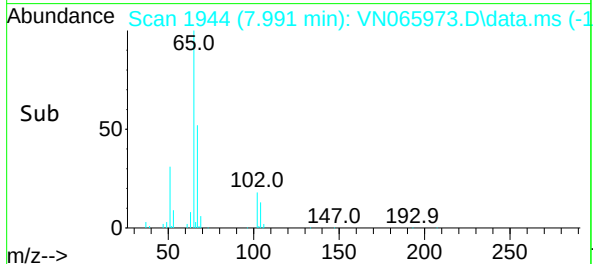
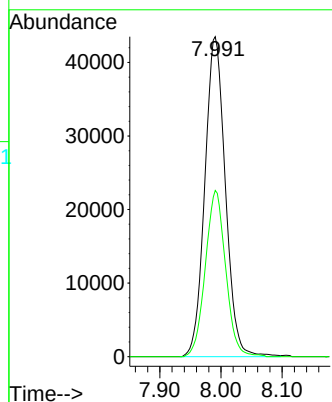
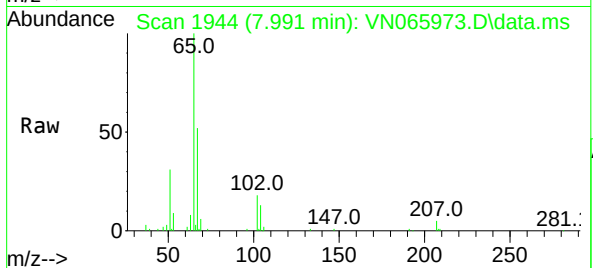




#33
1,2-Dichloroethane-d4
Concen: 46.40 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

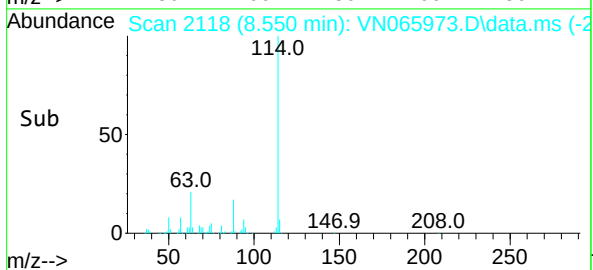
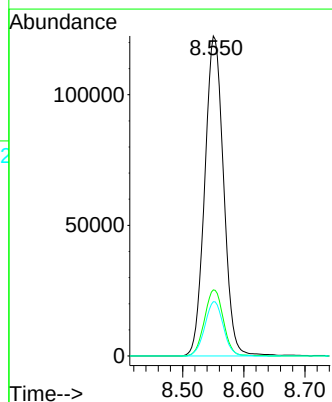
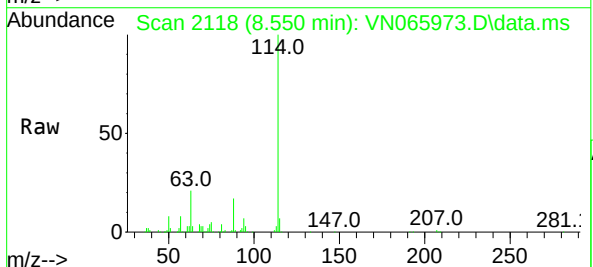
Instrument :
MSVOA_N
ClientSampled :

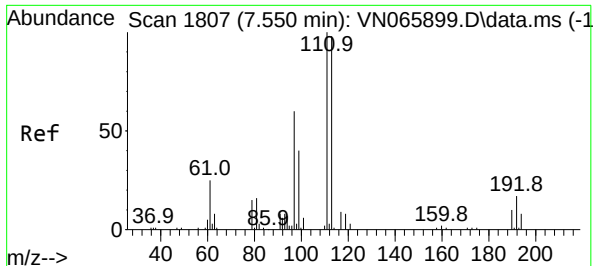
Tgt Ion: 65 Resp: 101647
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion:114 Resp: 262121
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 16.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.82 ug/l

RT: 7.553 min Scan# 1808

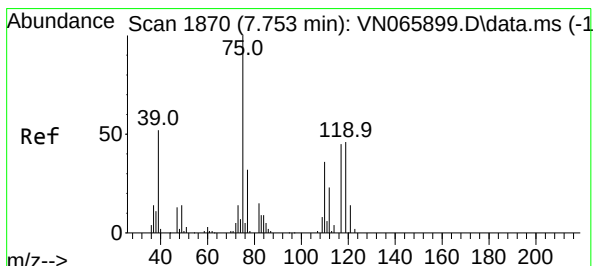
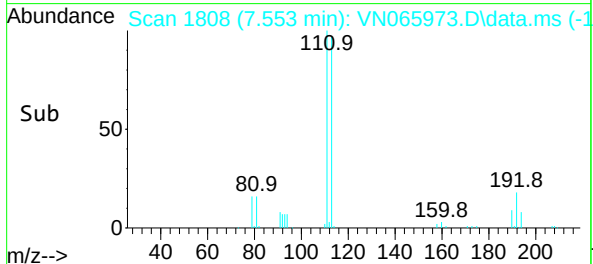
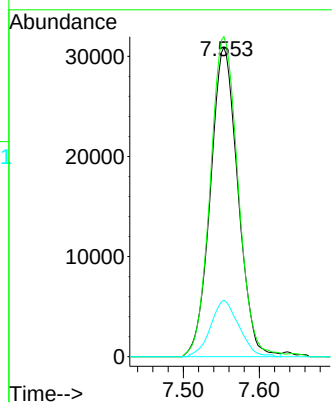
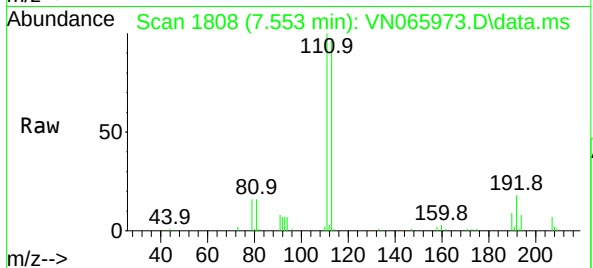
Delta R.T. 0.003 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion:	113	Resp:	77577
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.2	123.2
192	18.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.82 ug/l

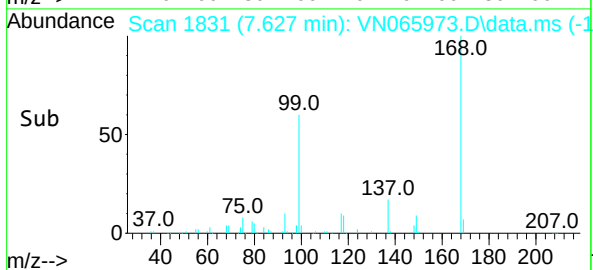
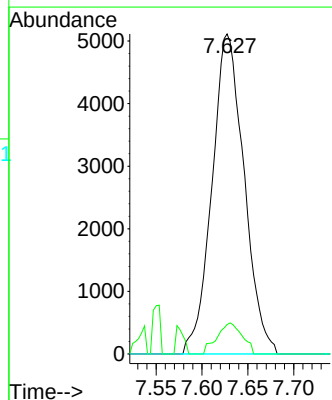
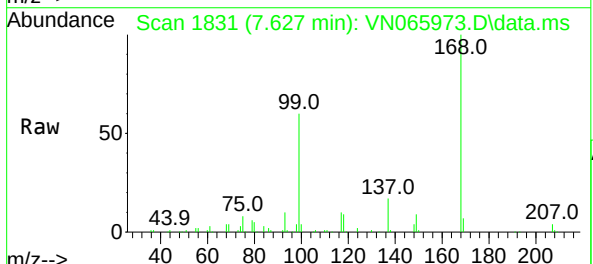
RT: 7.627 min Scan# 1831

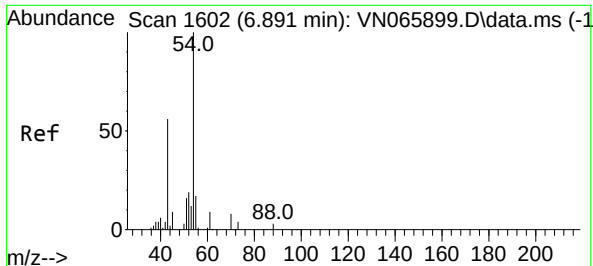
Delta R.T. -0.126 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion:	75	Resp:	12460
Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.81 ug/l

RT: 6.798 min Scan# 1573

Delta R.T. -0.093 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion: 43 Resp: 1899

Ion Ratio Lower Upper

43 100

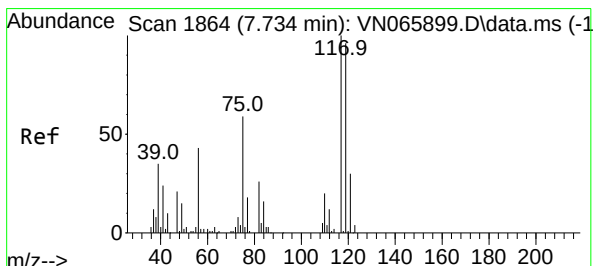
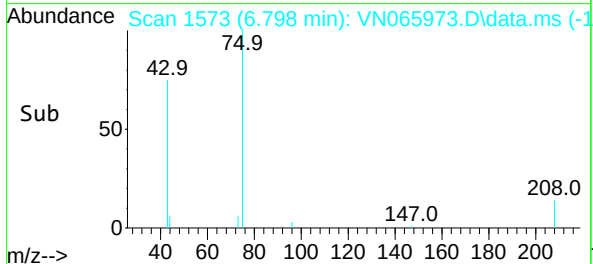
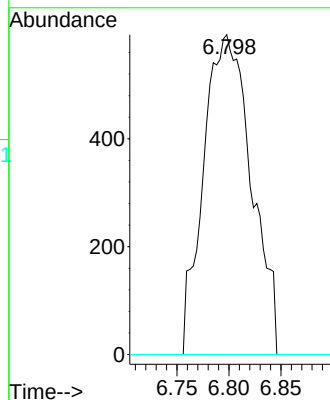
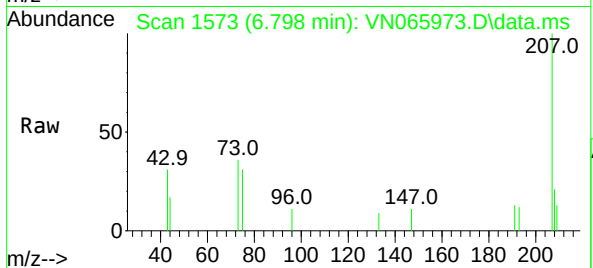
61 0.0 11.6 17.4#

70 0.0 8.6 13.0#

Instrument :

MSVOA_N

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.31 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.107 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

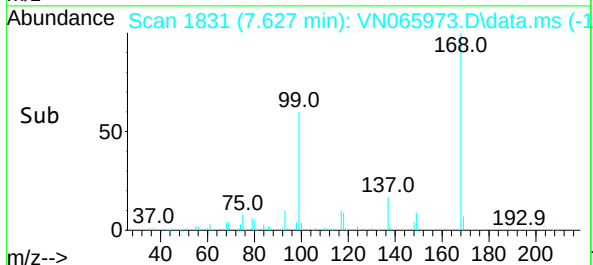
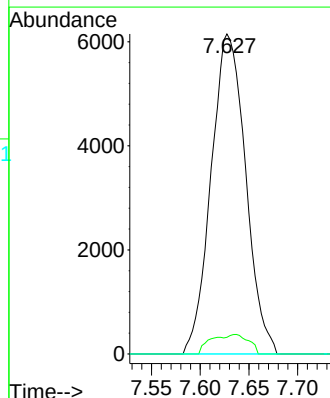
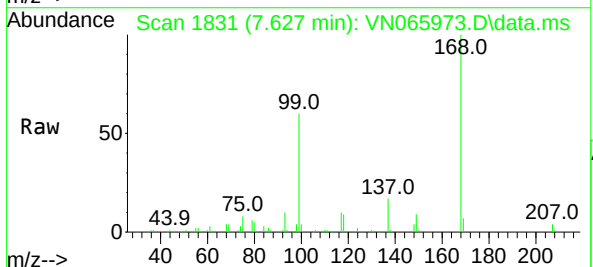
Tgt Ion: 117 Resp: 15156

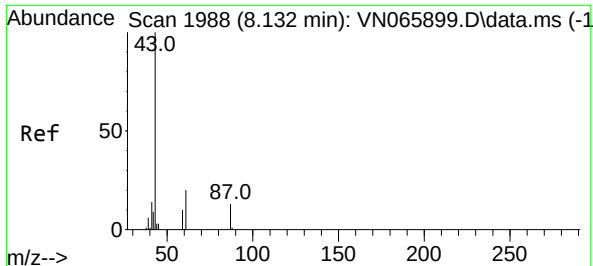
Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 2.56 ug/l

RT: 8.129 min Scan# 1987

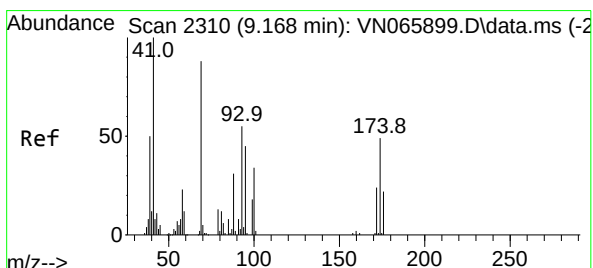
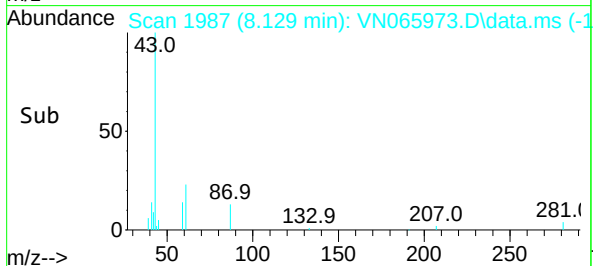
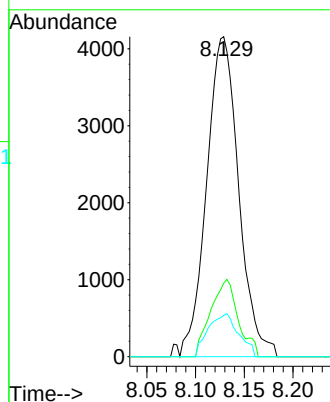
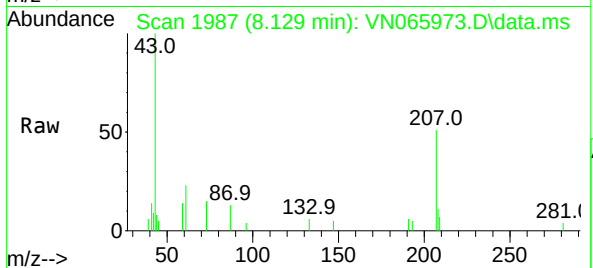
Delta R.T. -0.003 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion:	43	Resp:	9521
Ion	Ratio	Lower	Upper
43	100		
61	20.8	22.5	33.7#
87	12.7	11.1	16.7

Instrument :
MSVOA_N
ClientSampled :



#48

Methyl methacrylate

Concen: 1.28 ug/l

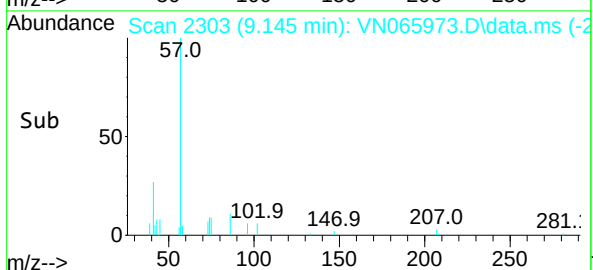
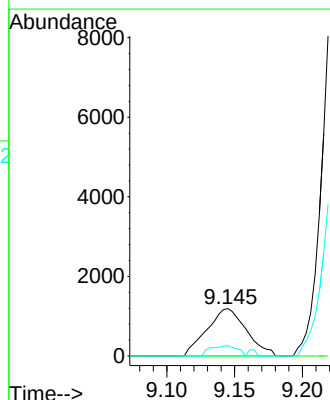
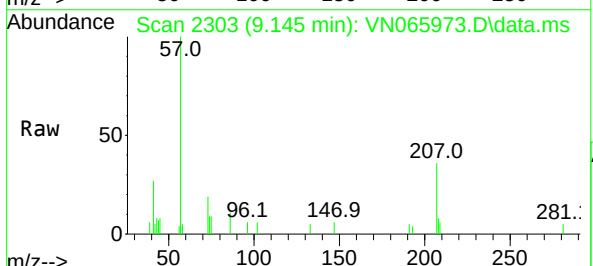
RT: 9.145 min Scan# 2303

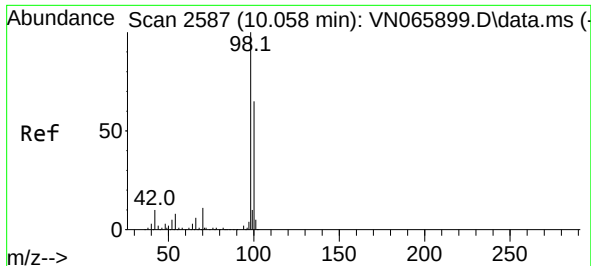
Delta R.T. -0.023 min

Lab File: VN065973.D

Acq: 22 Feb 2021 20:29

Tgt Ion:	41	Resp:	2404
Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	0.0	46.6	69.8#

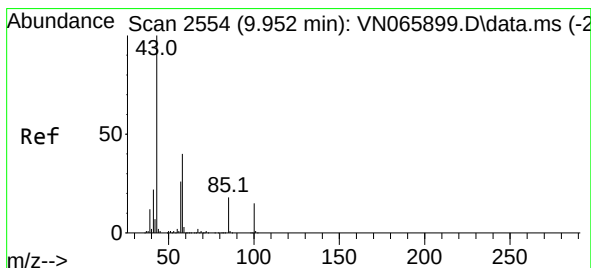
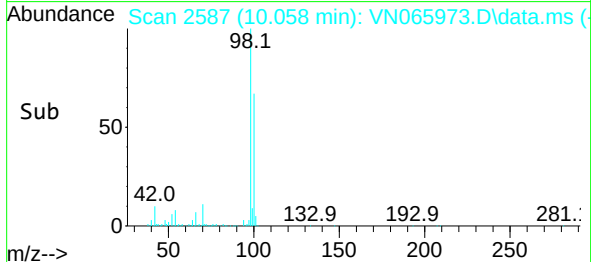
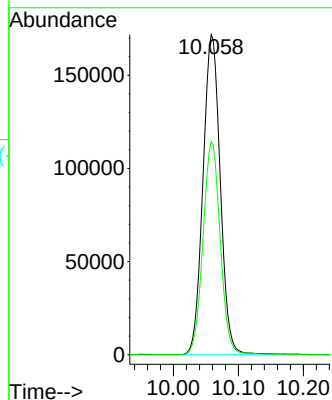
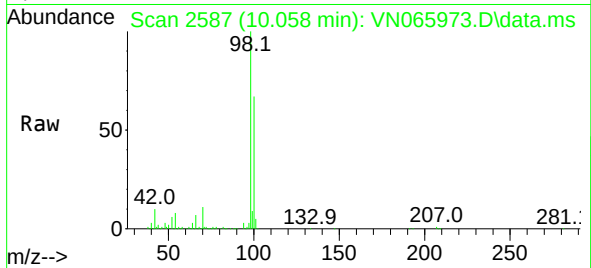




#50
Toluene-d8
Concen: 47.86 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

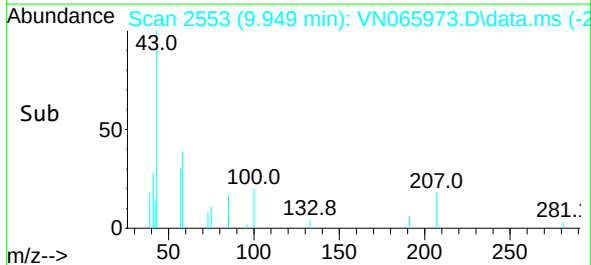
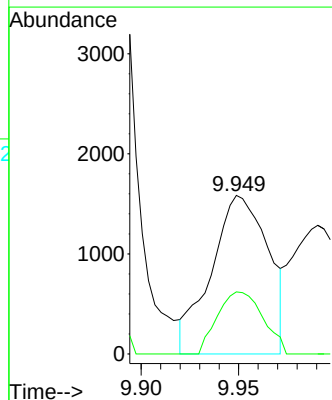
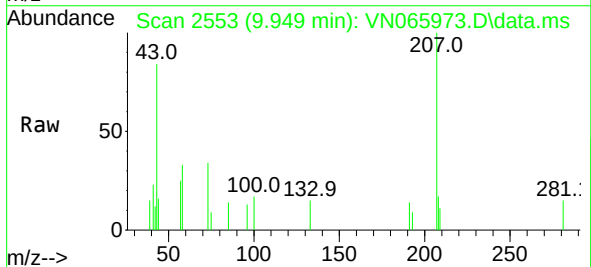
Instrument :
MSVOA_N
ClientSampled :

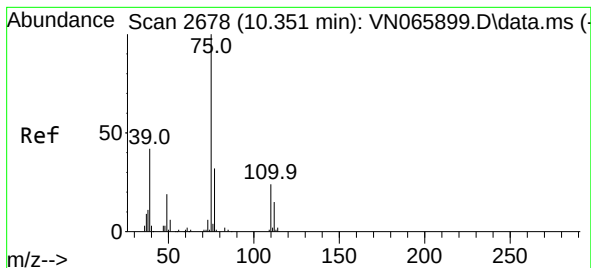
Tgt Ion: 98 Resp: 318674
Ion Ratio Lower Upper
98 100
100 66.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.42 ug/l
RT: 9.949 min Scan# 2553
Delta R.T. -0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 43 Resp: 3213
Ion Ratio Lower Upper
43 100
58 31.5 32.5 48.7#

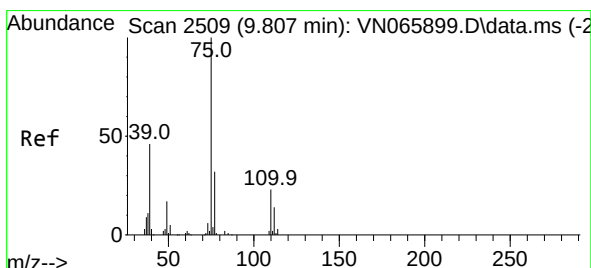
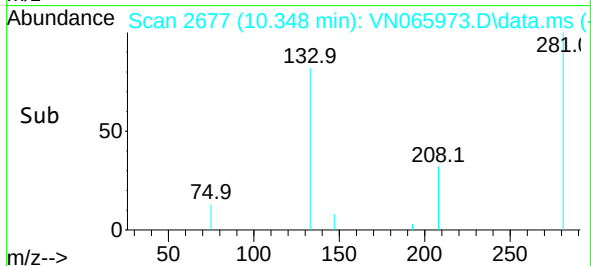
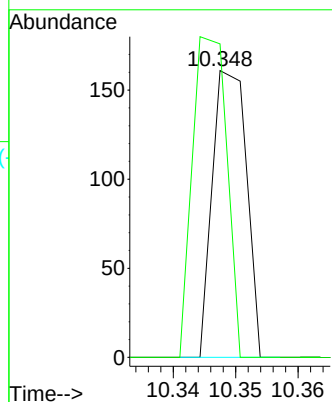
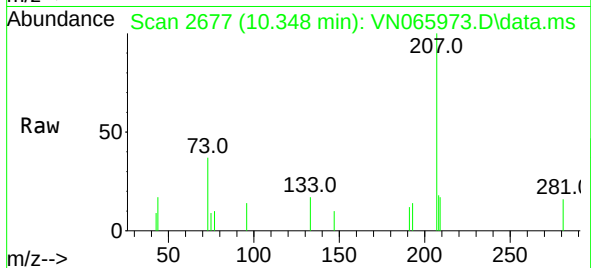




#53
t-1,3-Dichloropropene
Concen: 2.00 ug/l
RT: 10.348 min Scan# 2677
Delta R.T. -0.004 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

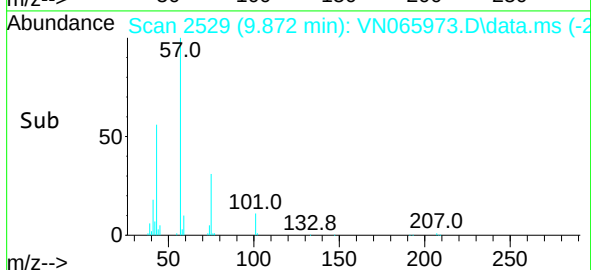
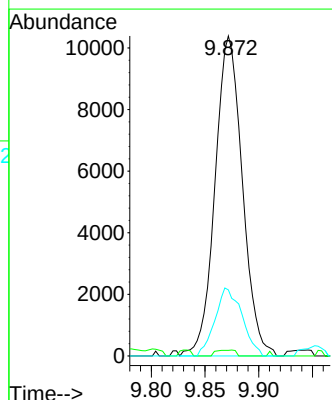
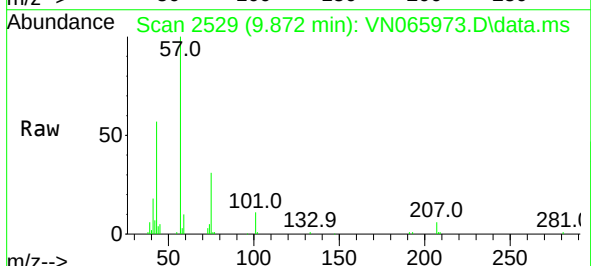
Instrument :
MSVOA_N
ClientSampled :

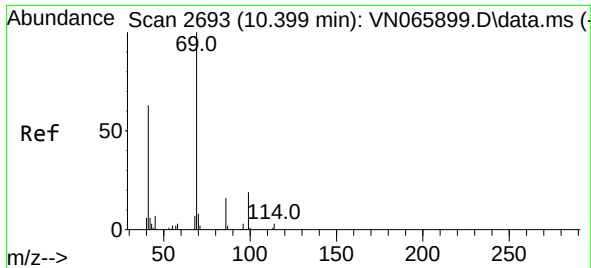
Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
77 109.3 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 5.88 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 75 Resp: 18367
Ion Ratio Lower Upper
75 100
77 1.8 24.9 37.3#
39 20.7 36.2 54.4#

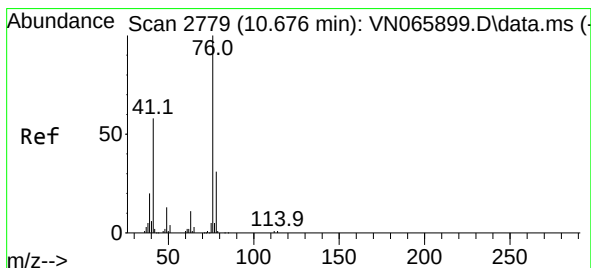
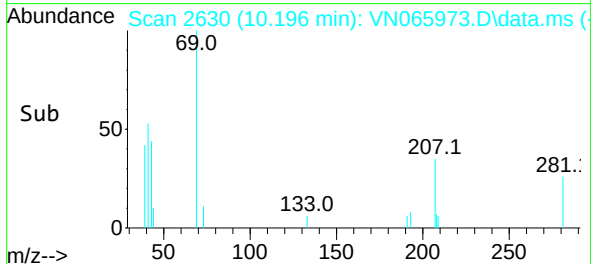
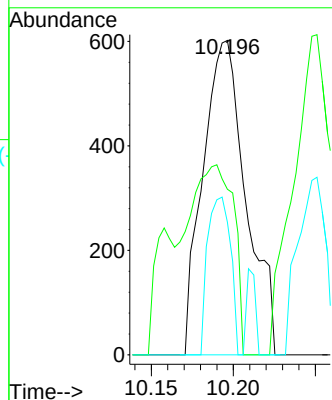
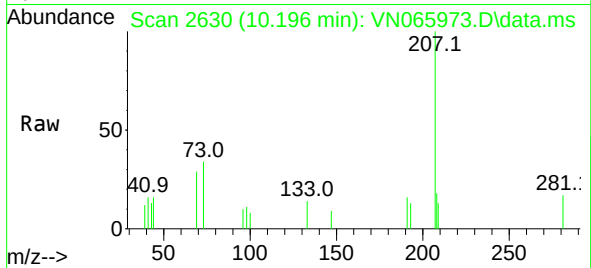




#56
Ethyl methacrylate
Concen: 0.40 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

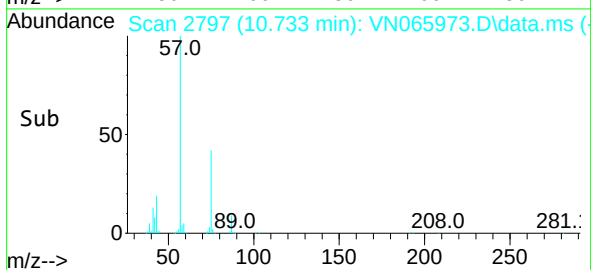
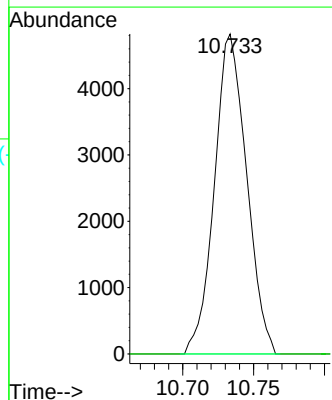
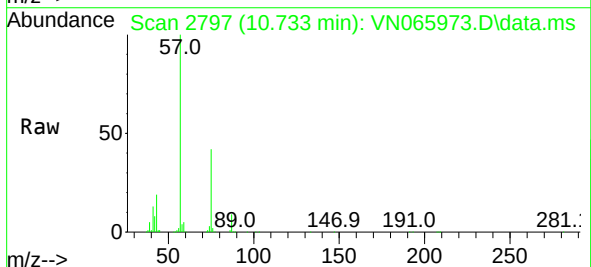
Instrument :
MSVOA_N
ClientSampled :

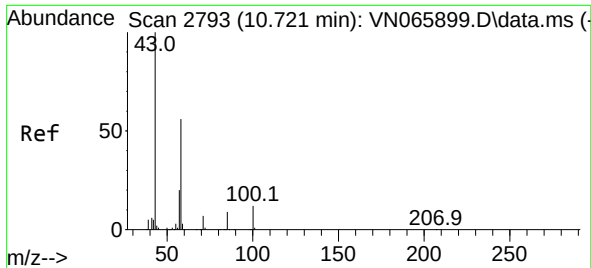
Tgt Ion: 69 Resp: 1099
Ion Ratio Lower Upper
69 100
41 60.0 49.6 74.4
39 26.5 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 2.37 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 76 Resp: 7613
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

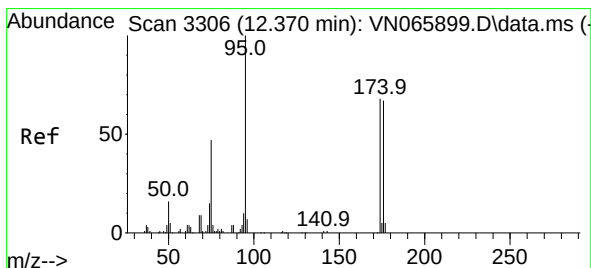
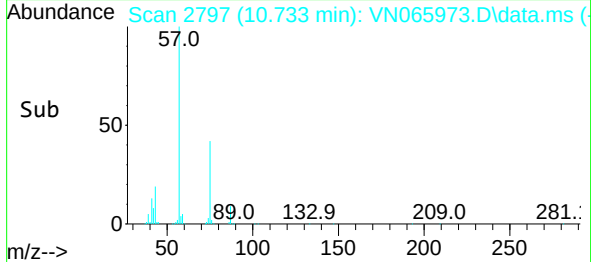
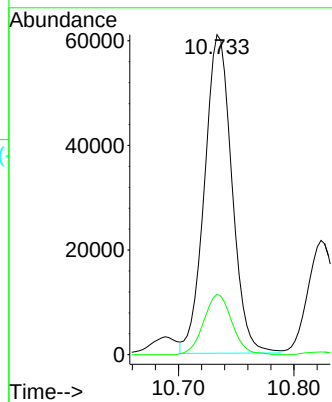
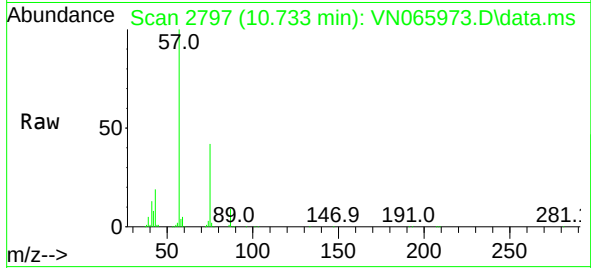




#59
2-Hexanone
Concen: 62.18 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

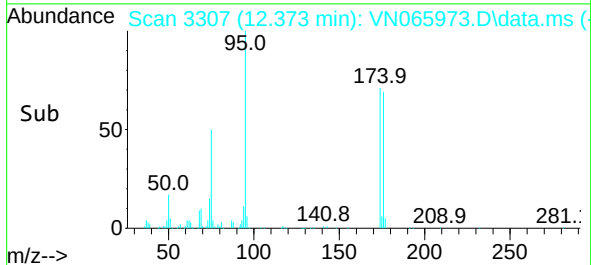
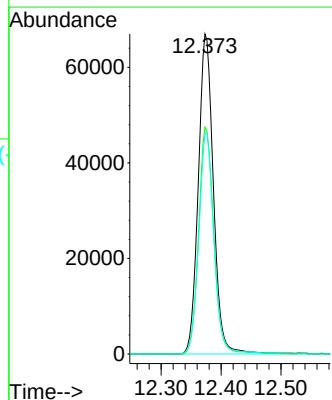
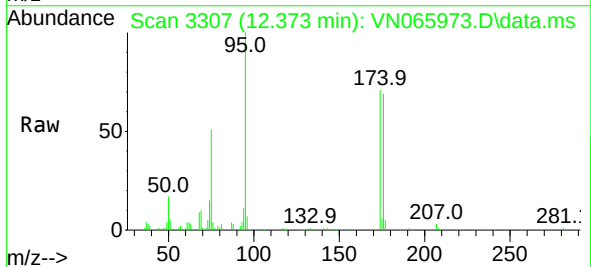
Instrument :
MSVOA_N
ClientSampleId :

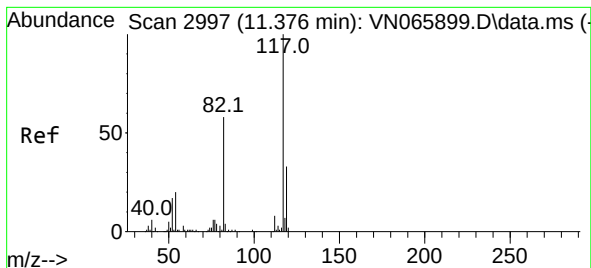
Tgt Ion: 43 Resp: 100244
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.04 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 95 Resp: 117597
Ion Ratio Lower Upper
95 100
174 70.4 0.0 169.0
176 69.2 0.0 162.4

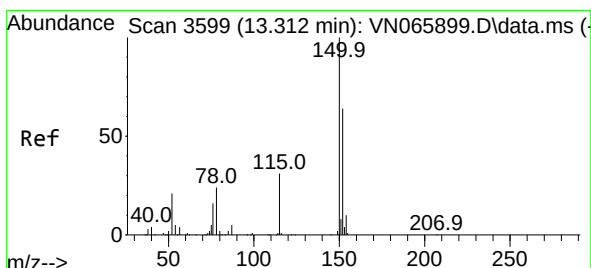
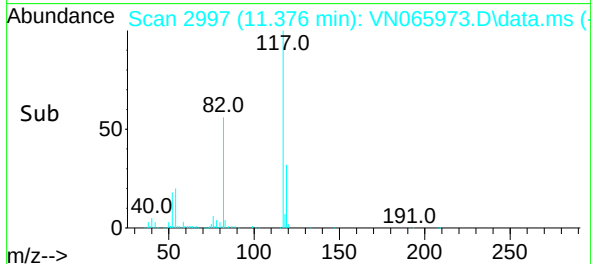
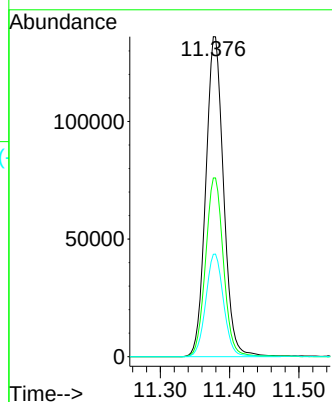
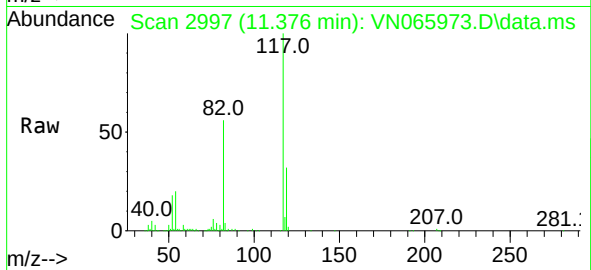




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

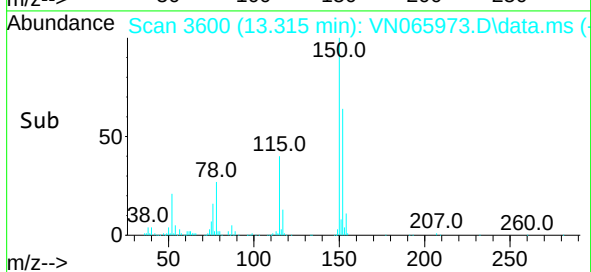
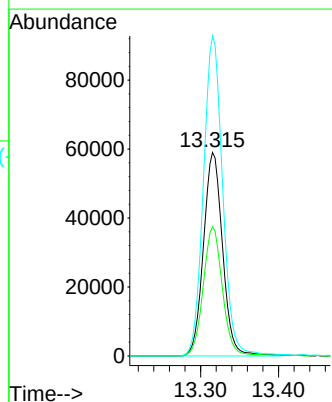
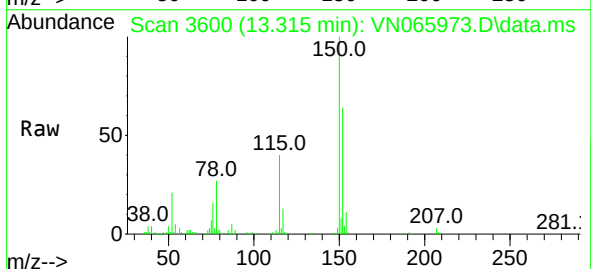
Instrument :
MSVOA_N
ClientSampleId :

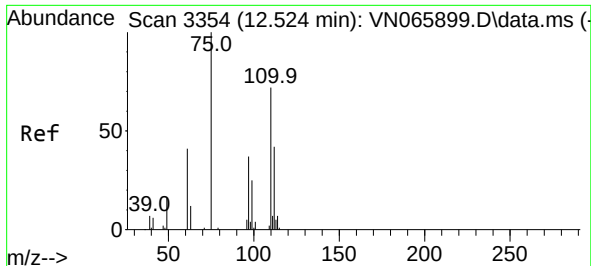
Tgt Ion:117 Resp: 242186
Ion Ratio Lower Upper
117 100
82 55.9 43.7 65.5
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion:152 Resp: 100626
Ion Ratio Lower Upper
152 100
115 63.9 28.5 85.6
150 158.5 0.0 347.6

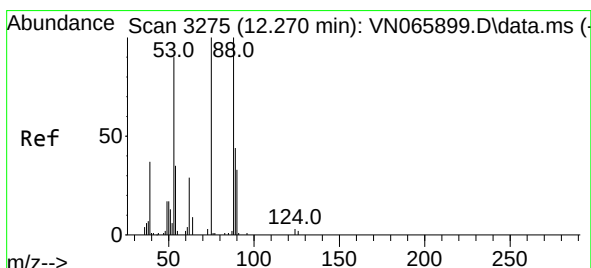
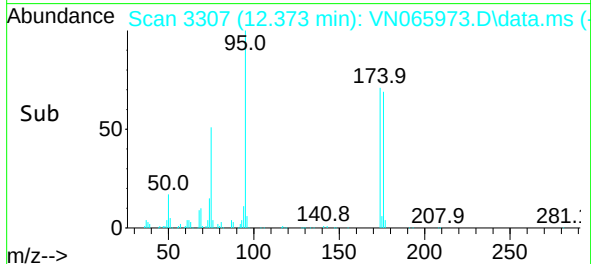
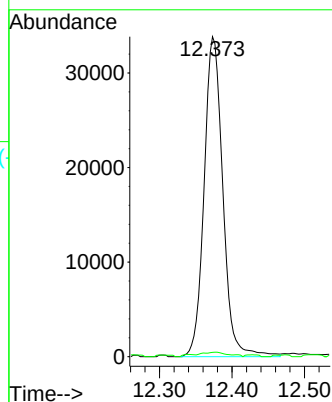
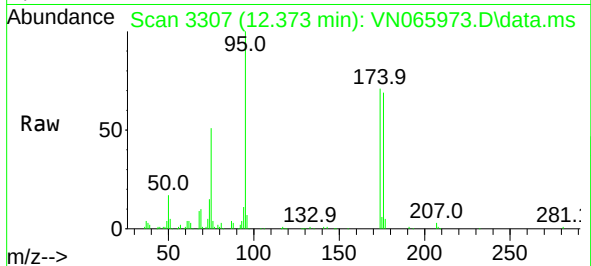




#76
1,2,3-Trichloropropane
Concen: 25.12 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

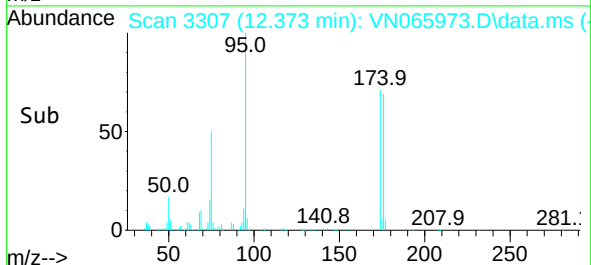
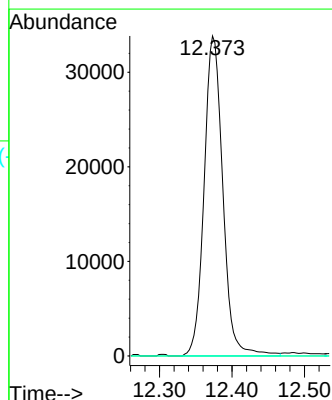
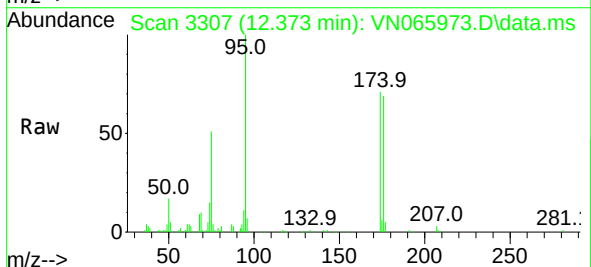
Instrument :
MSVOA_N
ClientSampled :

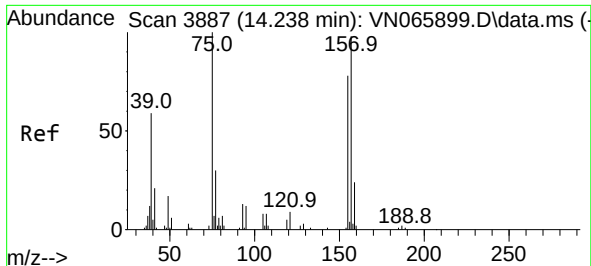
Tgt Ion: 75 Resp: 60730
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.06 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 75 Resp: 60730
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

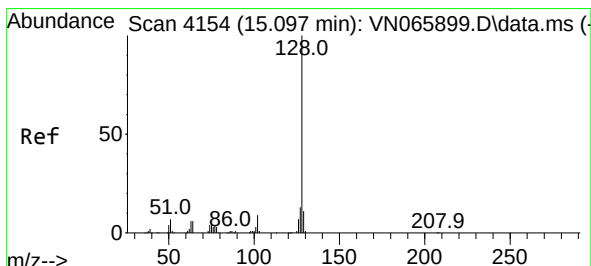
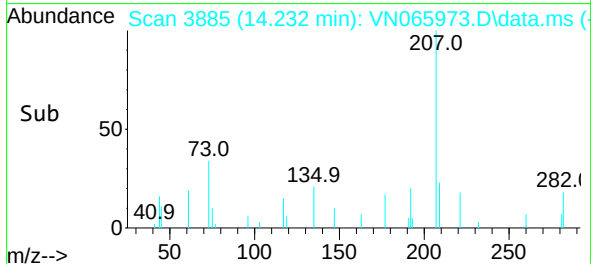
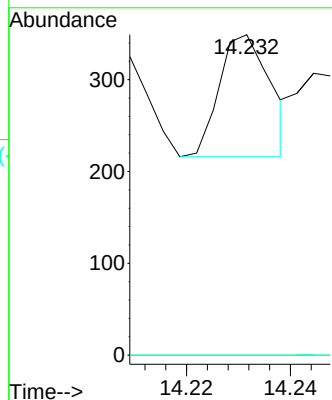
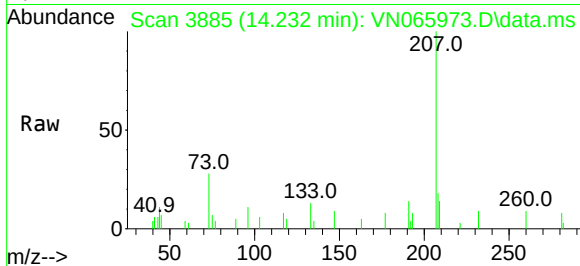




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.03 ug/l
RT: 14.232 min Scan# 3885
Delta R.T. -0.006 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 91
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: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065973.D
Acq: 22 Feb 2021 20:29

Tgt Ion: 128 Resp: 138
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

