

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012521\
 Data File : VN065580.D
 Acq On : 25 Jan 2021 16:33
 Operator : JC/MD
 Sample : PB134285TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 26 01:47:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

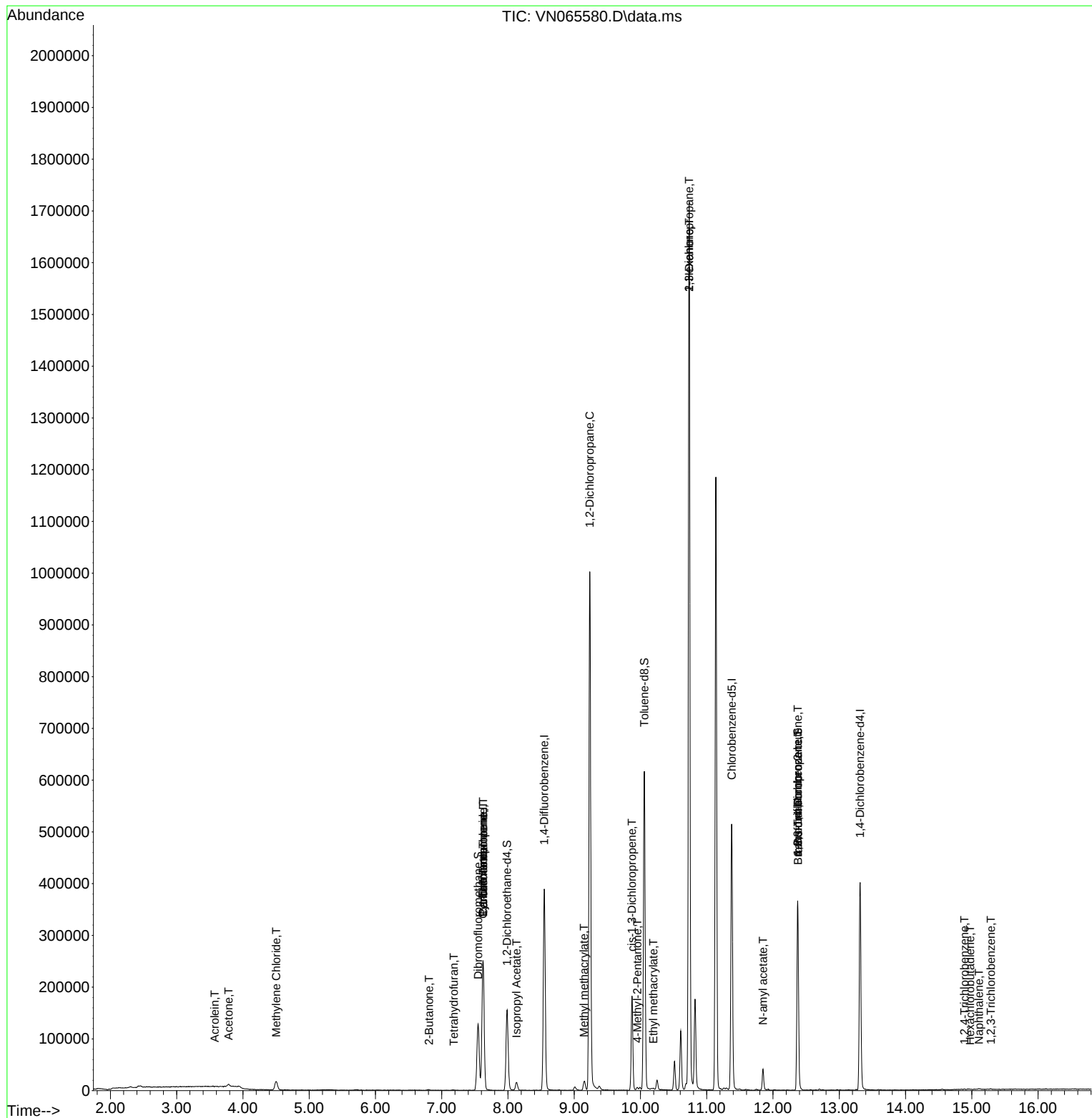
Internal Standards						
1) Pentafluorobenzene	7.624	168	205428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	356767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	307088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	113783	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	130502	48.29	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.58%		
35) Dibromofluoromethane	7.550	113	105322	49.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.64%		
50) Toluene-d8	10.058	98	435975	52.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.92%		
62) 4-Bromofluorobenzene	12.373	95	147532	49.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.60%		
Target Compounds						Qvalue
13) Acrolein	3.573	56	357	18.84	ug/l #	47
16) Acetone	3.782	43	6378	6.06	ug/l #	78
20) Methylene Chloride	4.502	84	12356	4.24	ug/l	95
25) 2-Butanone	6.807	43	1607	0.97	ug/l #	46
29) Tetrahydrofuran	7.183	42	555	0.46	ug/l #	32
31) Cyclohexane	7.621	56	4613	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	16837	4.69	ug/l #	47
38) Carbon Tetrachloride	7.624	117	19505	6.60	ug/l #	16
43) Isopropyl Acetate	8.129	43	20079	3.29	ug/l #	88
45) 1,2-Dichloropropane	9.235	63	1237	0.41	ug/l #	44
48) Methyl methacrylate	9.148	41	4930	1.70	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3919	1.16	ug/l	99
54) cis-1,3-Dichloropropene	9.871	75	34747	7.49	ug/l #	57
56) Ethyl methacrylate	10.196	69	2315	0.57	ug/l #	64
57) 1,3-Dichloropropane	10.733	76	18014	4.13	ug/l #	43
59) 2-Hexanone	10.733	43	247172	105.74	ug/l #	50
71) Bromoform	12.376	173	709	0.45	ug/l #	1
74) N-amyl acetate	11.849	43	13339	3.17	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	69187	23.25	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	69187	59.56	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.887	180	449	3.55	ug/l #	71
94) Hexachlorobutadiene	14.977	225	216	0.44	ug/l #	27
95) Naphthalene	15.109	128	2275	3.74	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.289	180	592	3.09	ug/l #	75

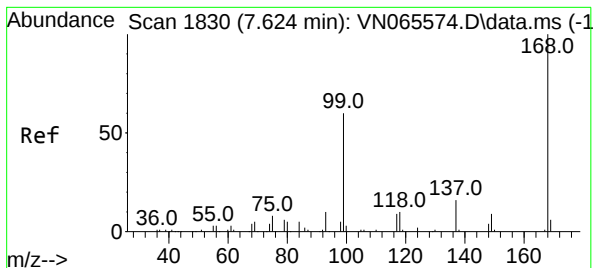
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

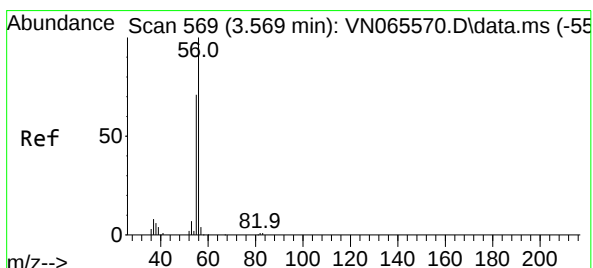
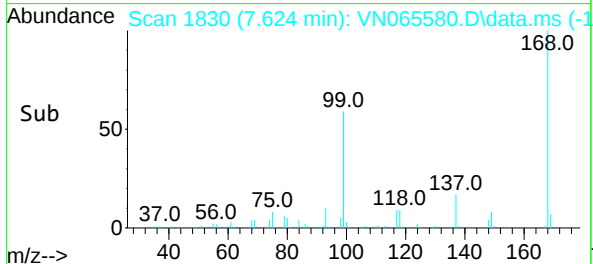
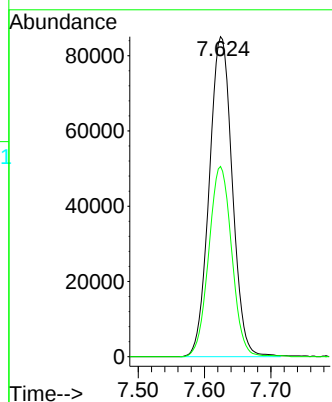
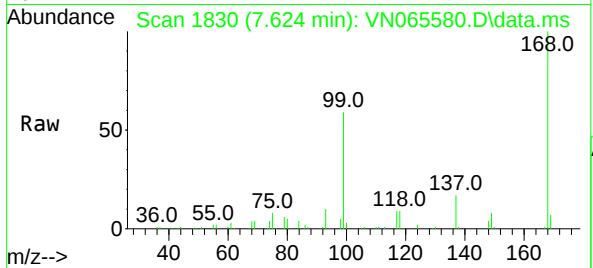




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

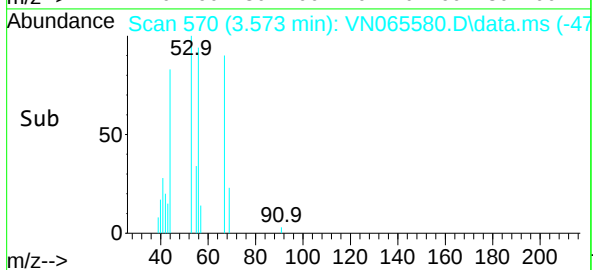
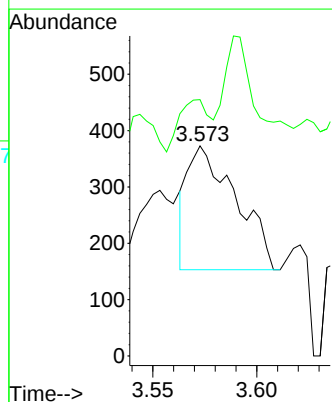
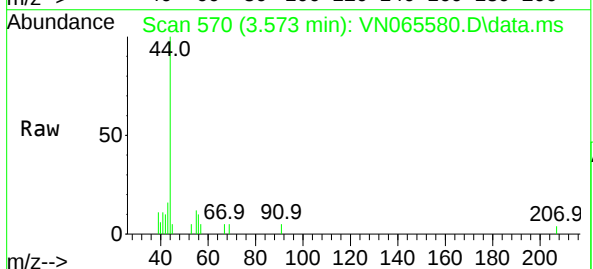
Instrument :
MSVOA_N
ClientSampleId :

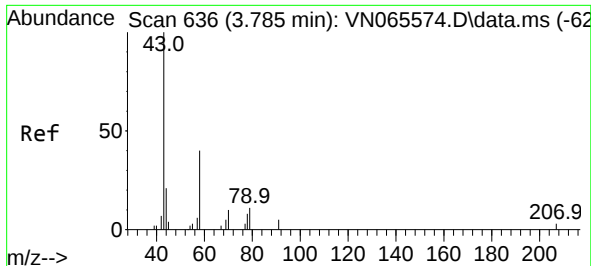
Tgt Ion:168 Resp: 205428
Ion Ratio Lower Upper
168 100
99 59.4 42.6 63.8



#13
Acrolein
Concen: 18.84 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.004 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

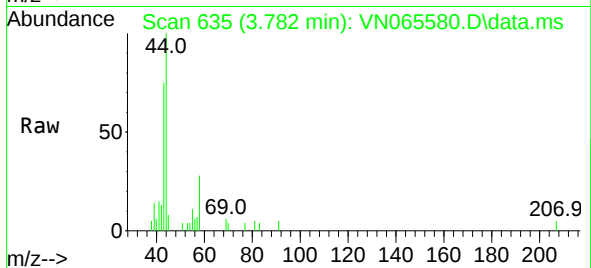
Tgt Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 26.3 56.0 84.0#



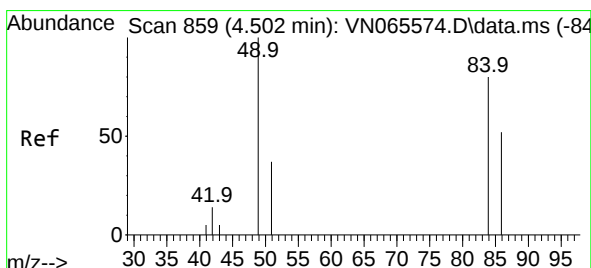
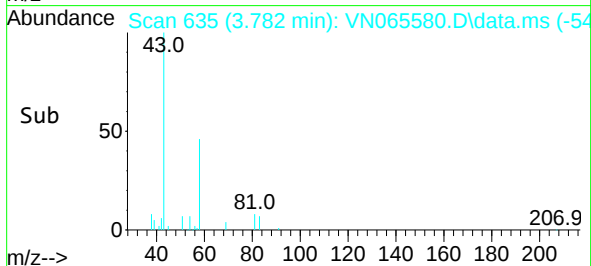
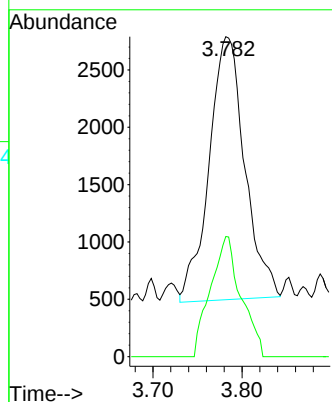


#16
Acetone
Concen: 6.06 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Instrument :
MSVOA_N
ClientSampleId :

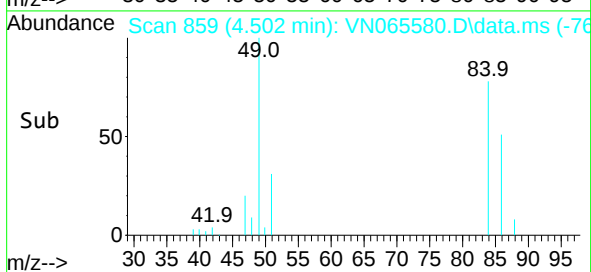
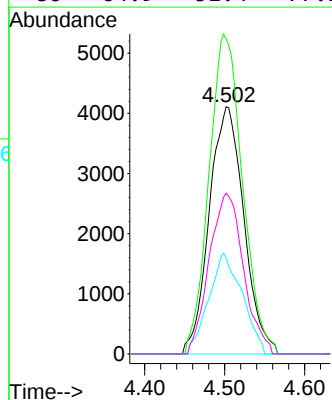
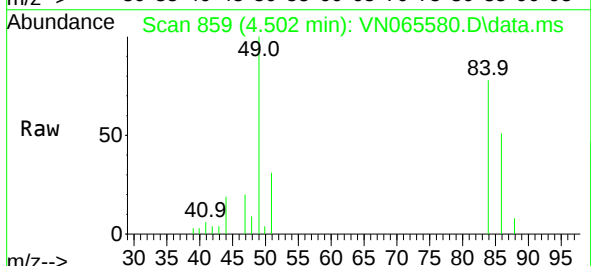


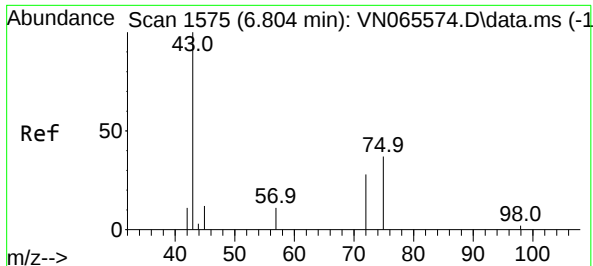
Tgt Ion: 43 Resp: 6378
Ion Ratio Lower Upper
43 100
58 46.4 27.0 40.6#



#20
Methylene Chloride
Concen: 4.24 ug/l
RT: 4.502 min Scan# 859
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 84 Resp: 12356
Ion Ratio Lower Upper
84 100
49 127.5 94.6 141.8
51 38.9 29.9 44.9
86 64.9 51.4 77.2

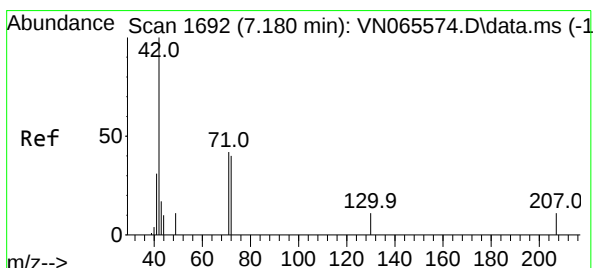
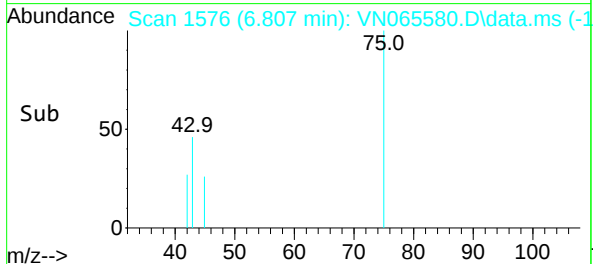
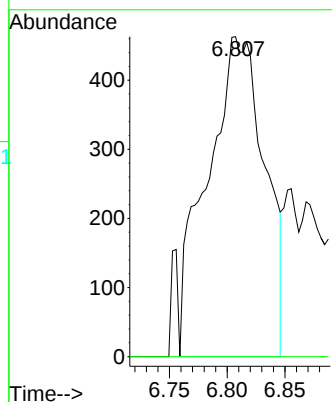
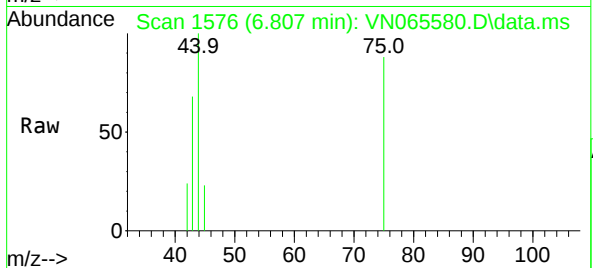




#25
2-Butanone
Concen: 0.97 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.016 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

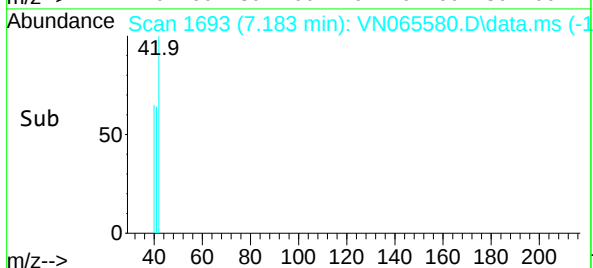
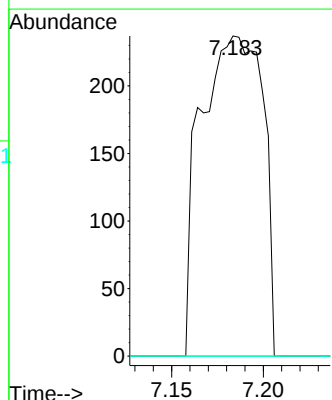
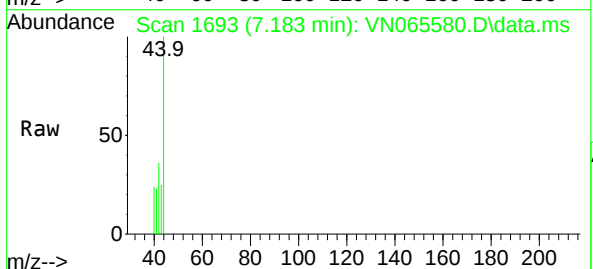
Instrument :
MSVOA_N
ClientSampled :

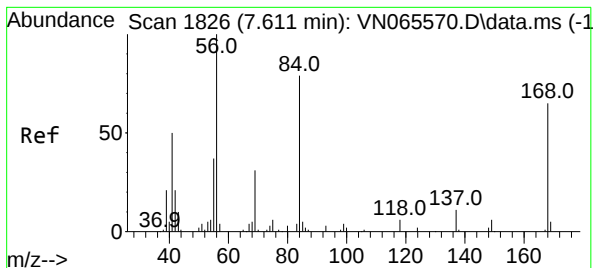
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.183 min Scan# 1693
Delta R.T. 0.012 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 42 Resp: 555
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#

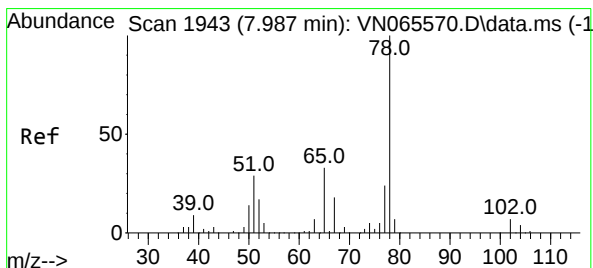
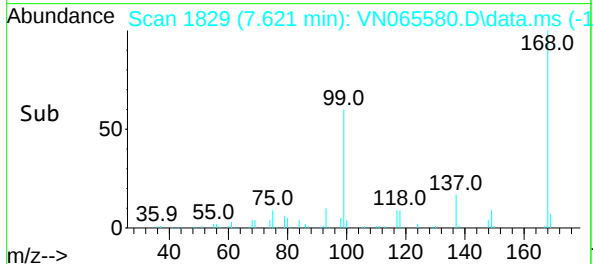
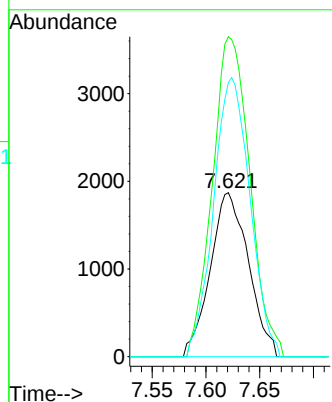
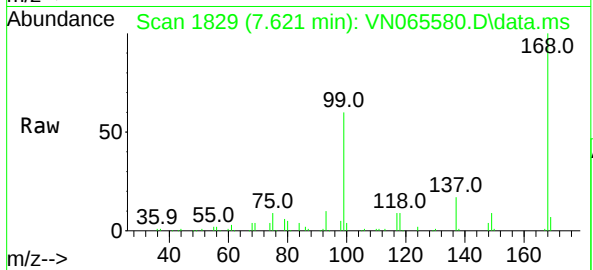




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

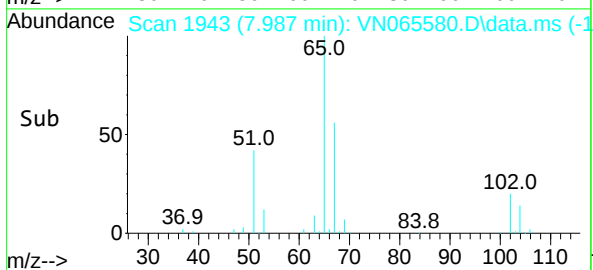
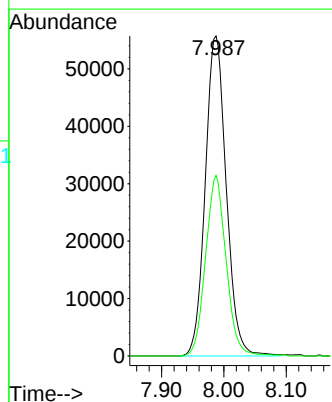
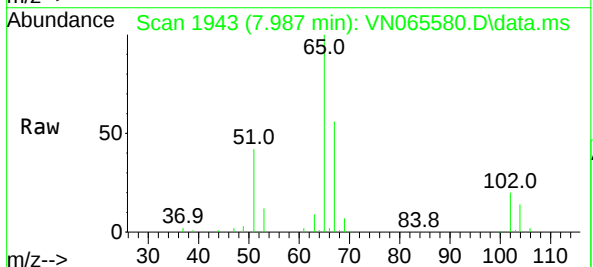
Instrument :
MSVOA_N
ClientSampleId :

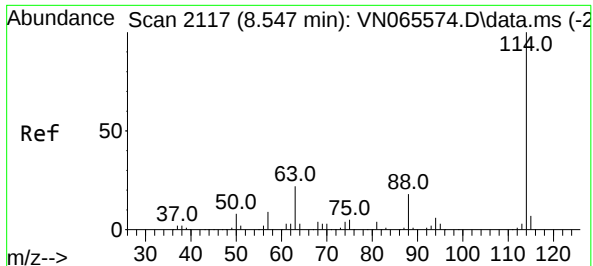
Tgt Ion: 56 Resp: 4613
Ion Ratio Lower Upper
56 100
69 195.1 26.6 39.8#
84 167.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.29 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 65 Resp: 130502
Ion Ratio Lower Upper
65 100
67 55.1 0.0 107.2

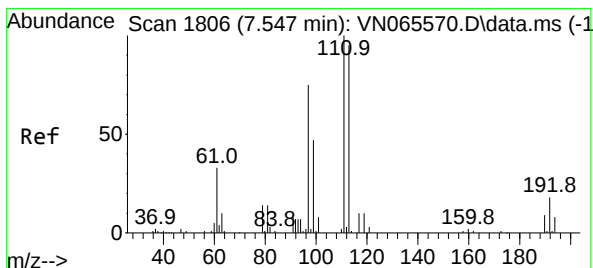
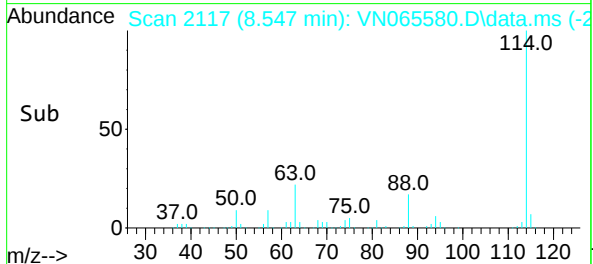
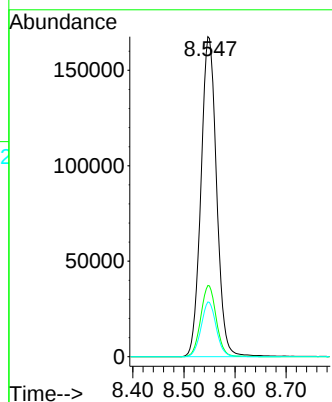
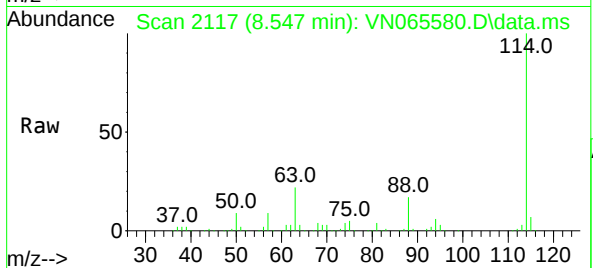




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

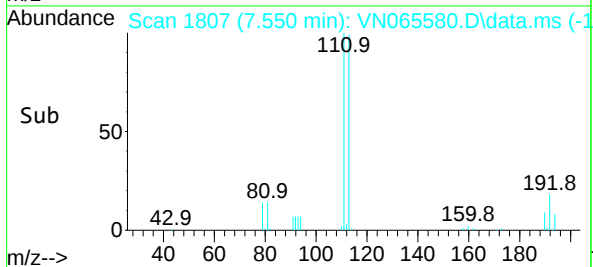
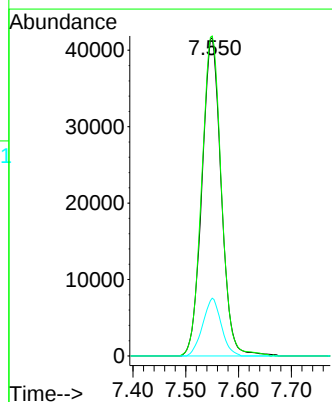
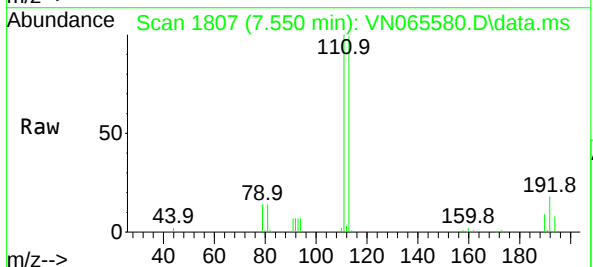
Instrument :
MSVOA_N
ClientSampleId :

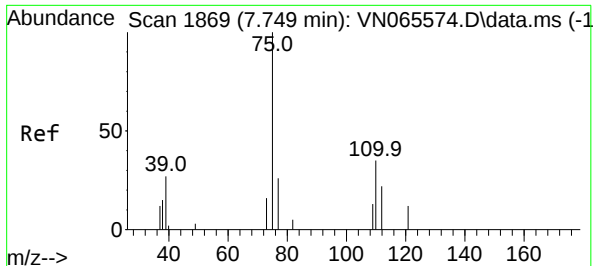
Tgt Ion:114 Resp: 356767
Ion Ratio Lower Upper
114 100
63 22.3 0.0 38.6
88 17.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.82 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion:113 Resp: 105322
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 17.5 15.4 23.0



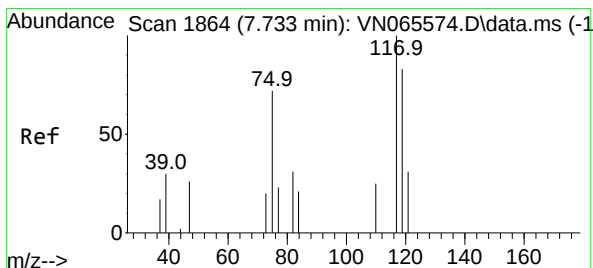
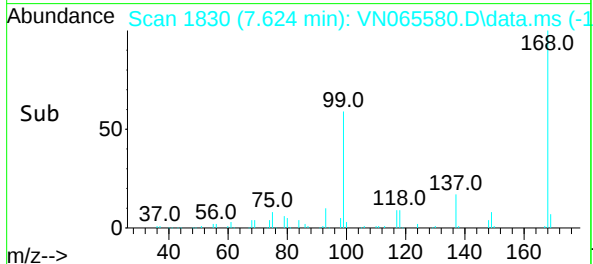
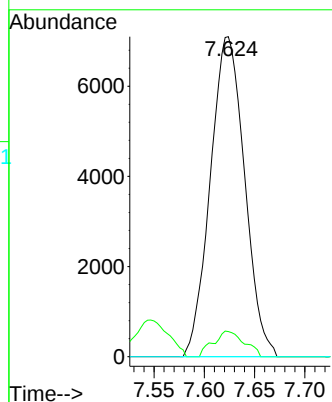
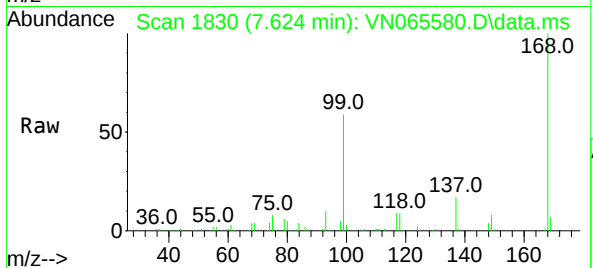


#36

1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Instrument :
MSVOA_N
ClientSampleId :

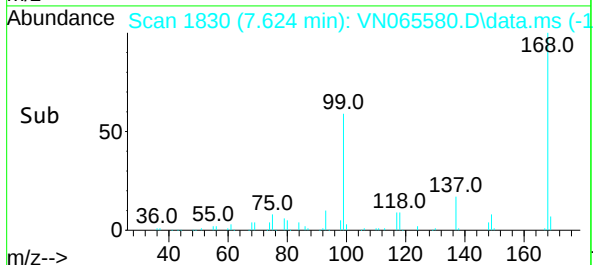
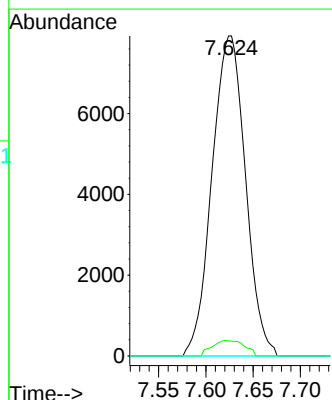
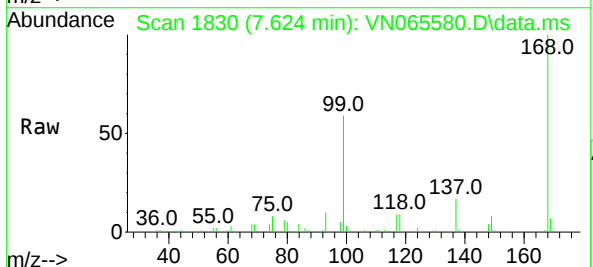
Tgt Ion: 75 Resp: 16837
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#

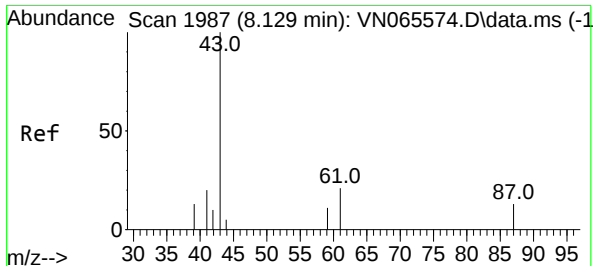


#38

Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 117 Resp: 19505
Ion Ratio Lower Upper
117 100
119 4.7 76.0 114.0#
121 0.0 24.5 36.7#



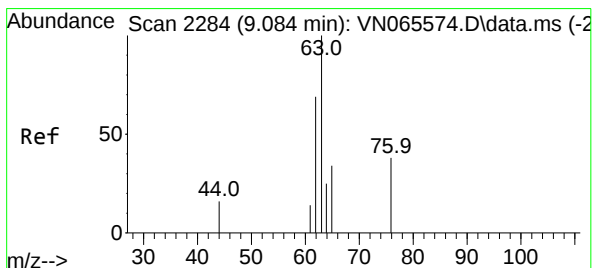
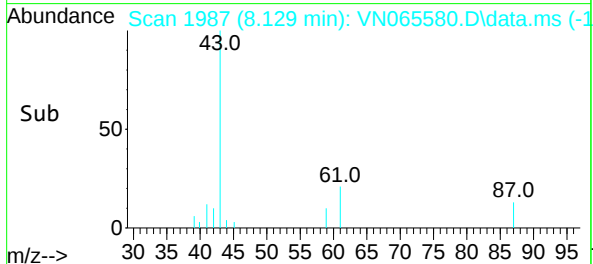
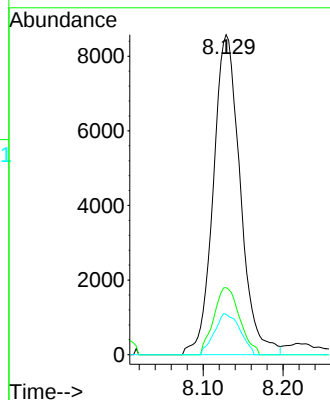
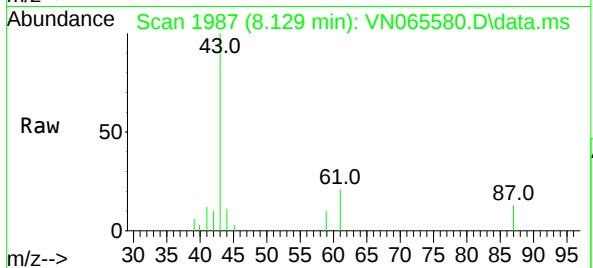


#43

Isopropyl Acetate
 Concen: 3.29 ug/l
 RT: 8.129 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: VN065580.D
 Acq: 25 Jan 2021 16:33

Instrument :
 MSVOA_N
 ClientSampled :

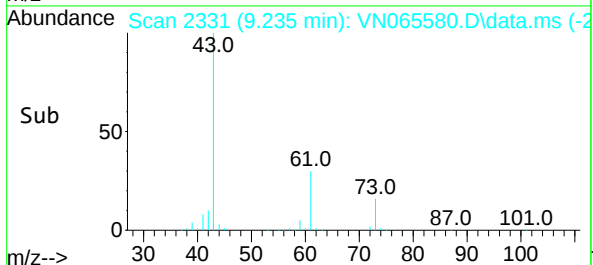
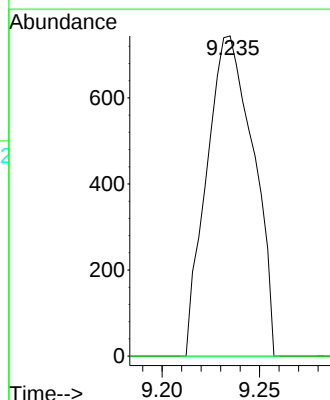
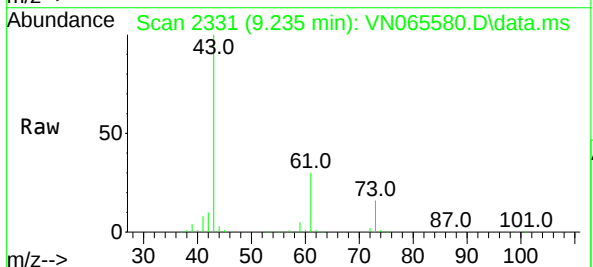
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	22.5	33.7#
87	12.2	11.1	16.7

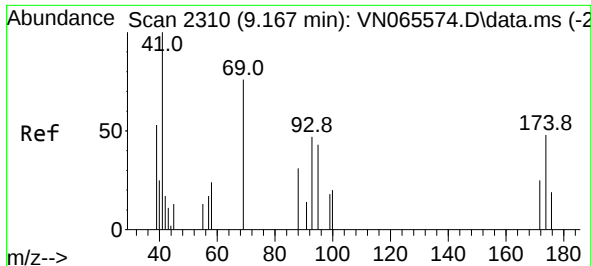


#45

1,2-Dichloropropane
 Concen: 0.41 ug/l
 RT: 9.235 min Scan# 2331
 Delta R.T. 0.151 min
 Lab File: VN065580.D
 Acq: 25 Jan 2021 16:33

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#

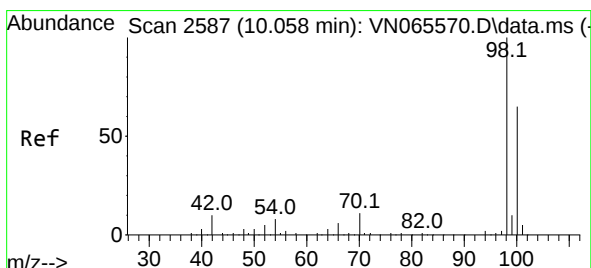
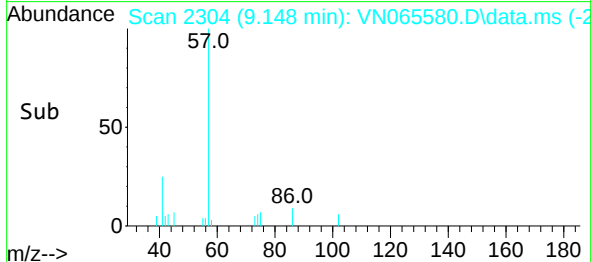
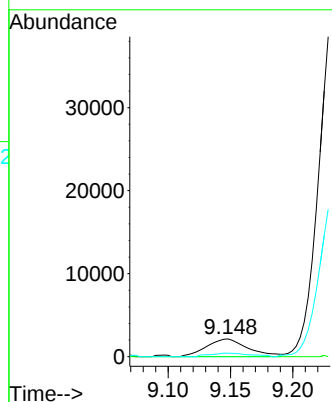
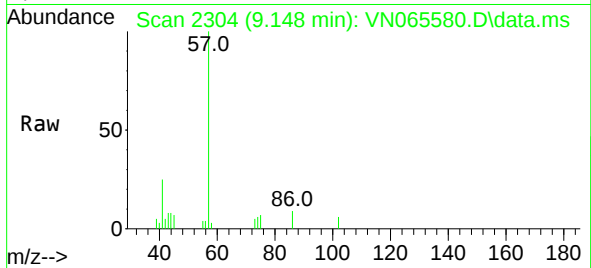




#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

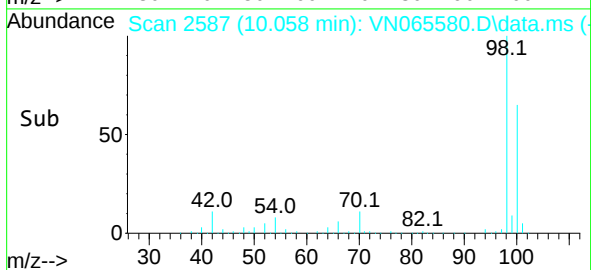
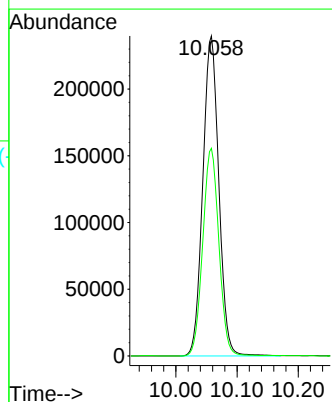
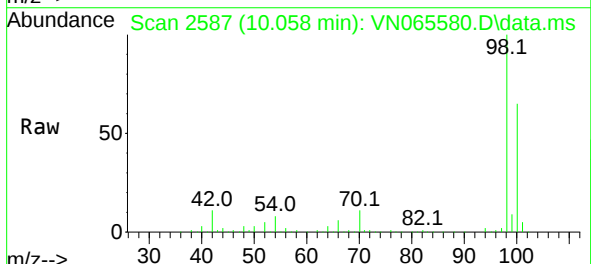
Instrument :
MSVOA_N
ClientSampled :

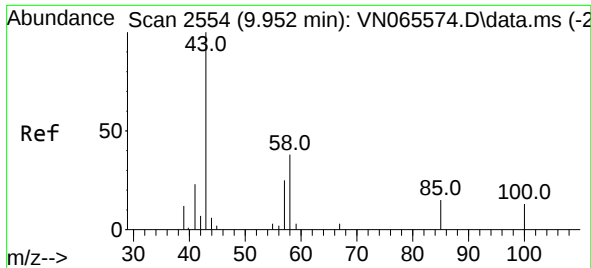
Tgt Ion: 41 Resp: 4930
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 52.46 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 98 Resp: 435975
Ion Ratio Lower Upper
98 100
100 65.4 50.5 75.7

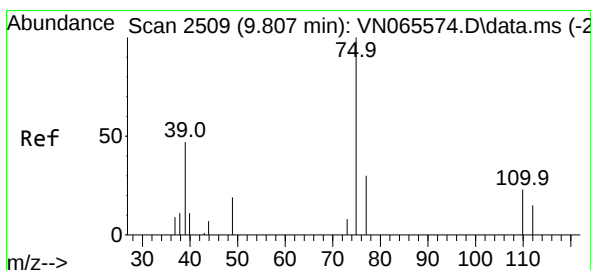
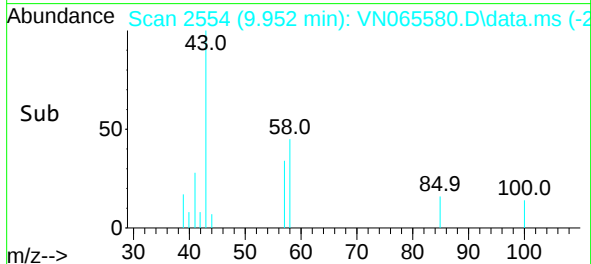
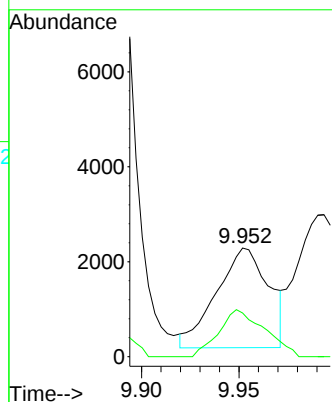
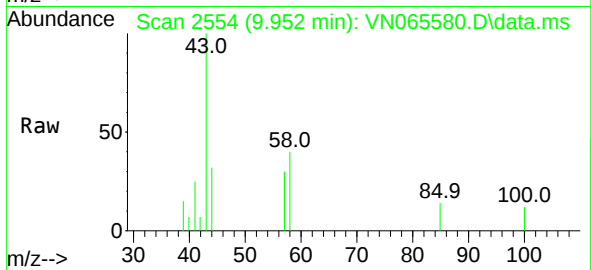




#51
4-Methyl-2-Pentanone
Concen: 1.16 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

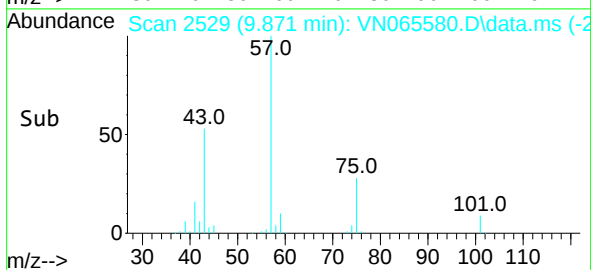
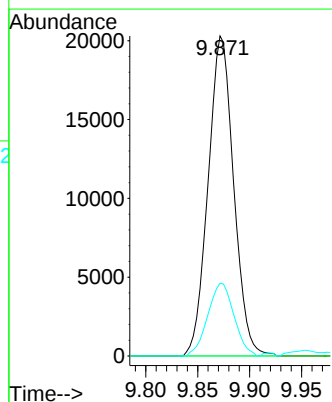
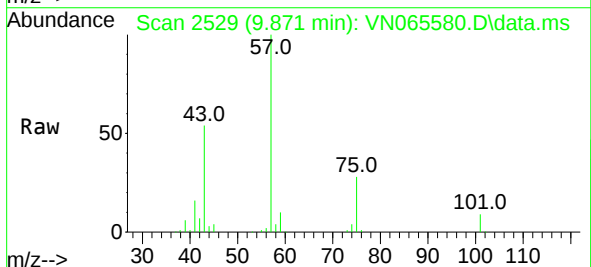
Instrument :
MSVOA_N
ClientSampleId :

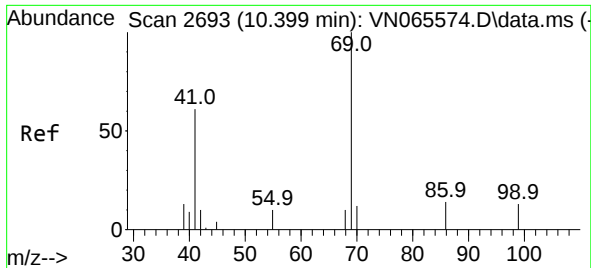
Tgt Ion: 43 Resp: 3919
Ion Ratio Lower Upper
43 100
58 41.5 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 7.49 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 75 Resp: 34747
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 22.7 36.2 54.4#

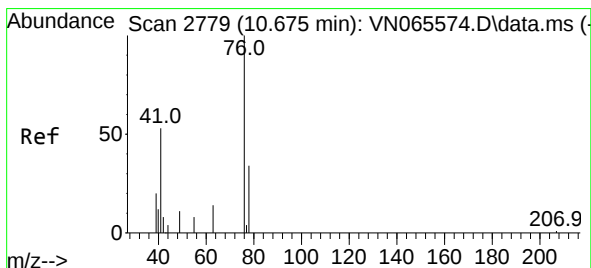
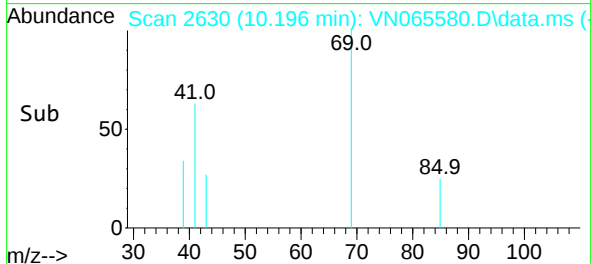
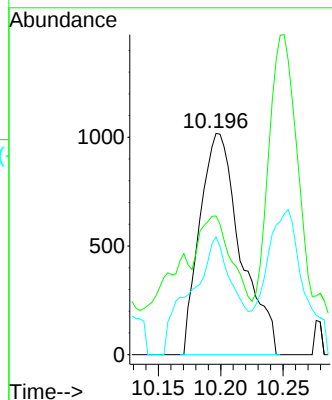
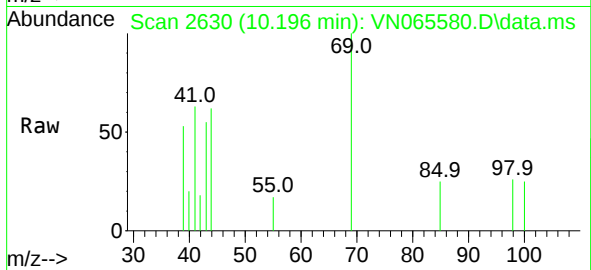




#56
Ethyl methacrylate
Concen: 0.57 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

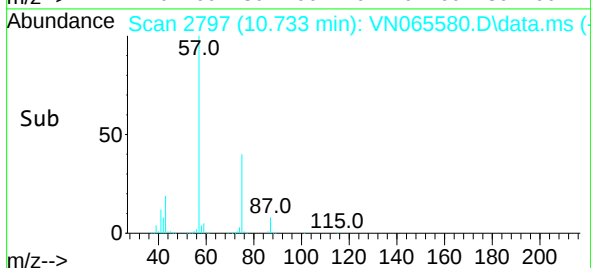
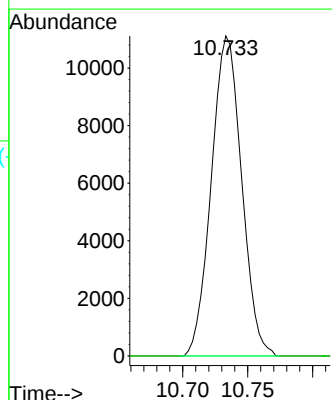
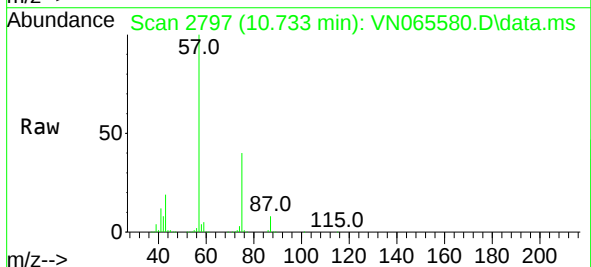
Instrument :
MSVOA_N
ClientSampleId :

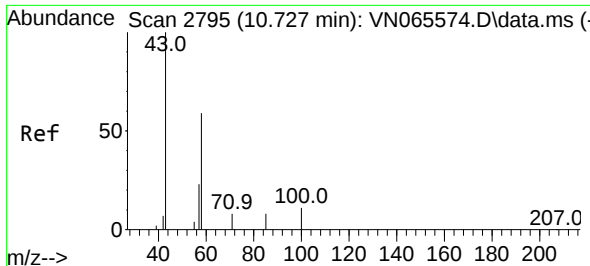
Tgt Ion: 69 Resp: 2315
Ion Ratio Lower Upper
69 100
41 34.7 49.6 74.4#
39 56.3 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.13 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 76 Resp: 18014
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

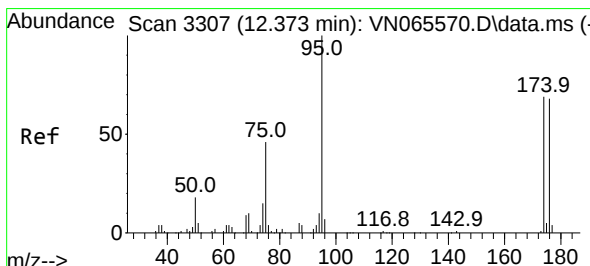
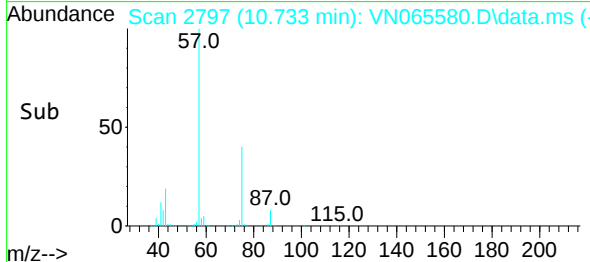
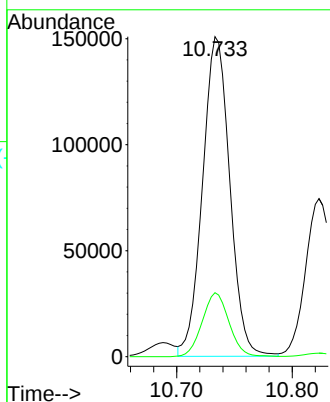
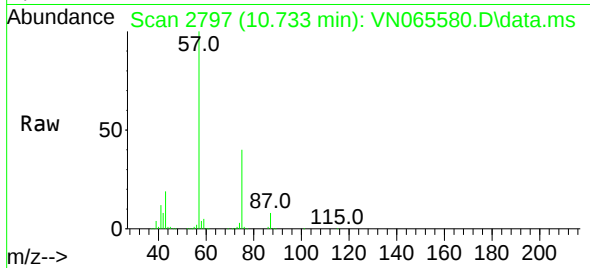




#59
2-Hexanone
Concen: 105.74 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

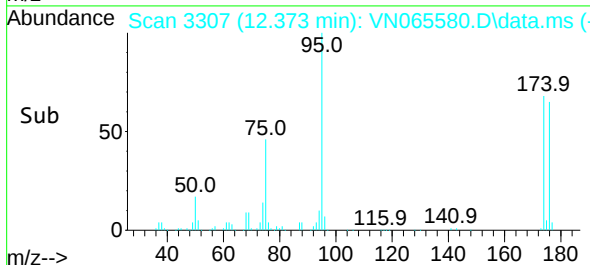
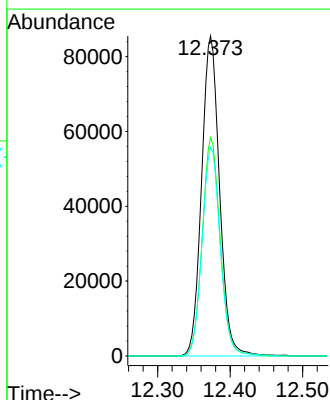
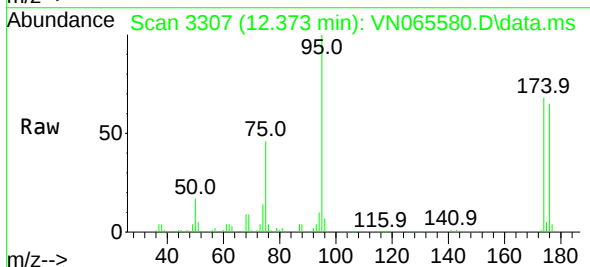
Instrument :
MSVOA_N
ClientSampled :

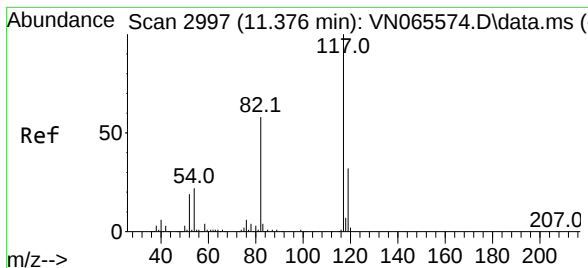
Tgt Ion: 43 Resp: 247172
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.30 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 95 Resp: 147532
Ion Ratio Lower Upper
95 100
174 68.4 0.0 169.0
176 66.0 0.0 162.4

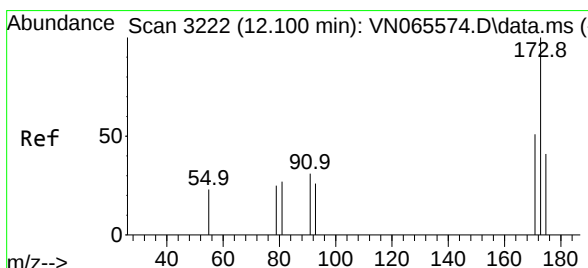
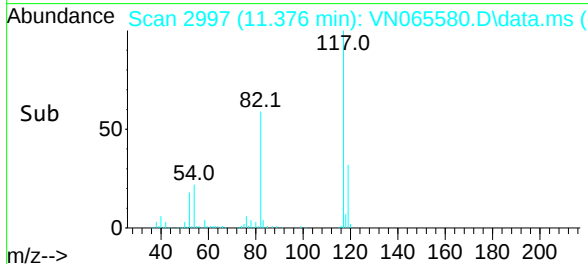
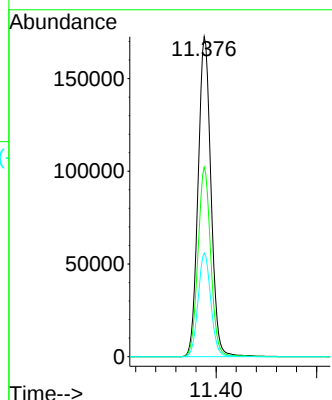
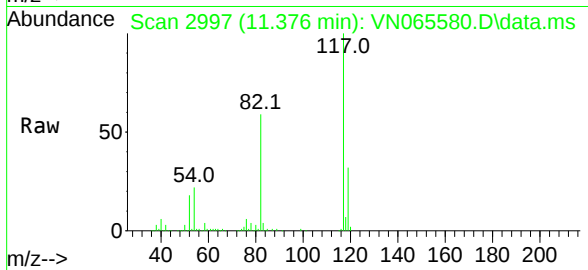




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

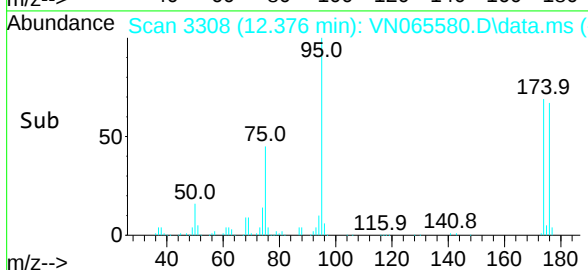
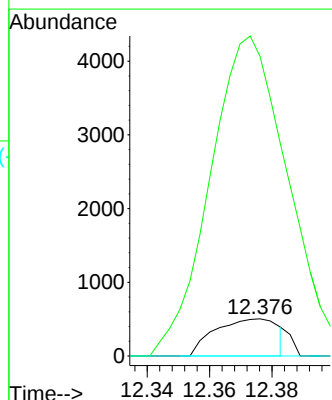
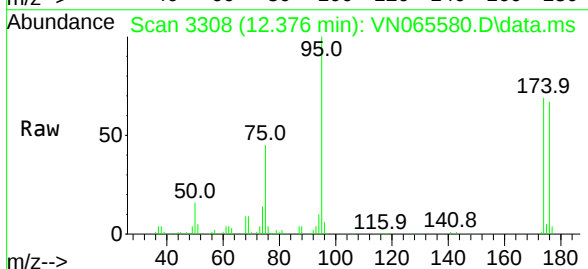
Instrument :
MSVOA_N
ClientSampled :

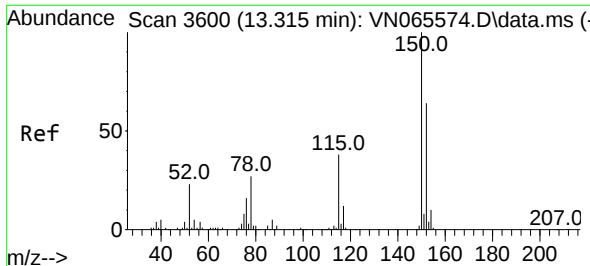
Tgt Ion:117 Resp: 307088
Ion Ratio Lower Upper
117 100
82 59.2 43.7 65.5
119 32.4 26.1 39.1



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.280 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion:173 Resp: 709
Ion Ratio Lower Upper
173 100
175 880.3 23.8 71.2#
254 0.0 0.0 0.0

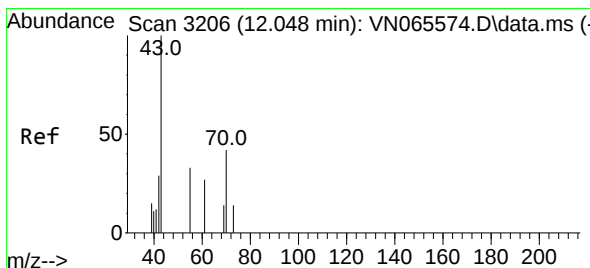
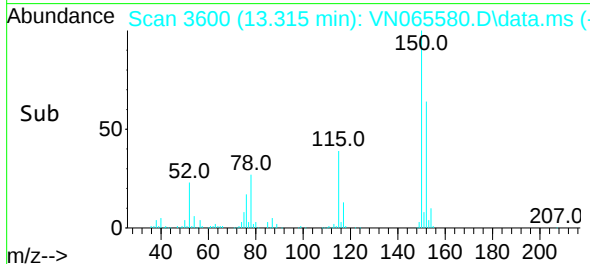
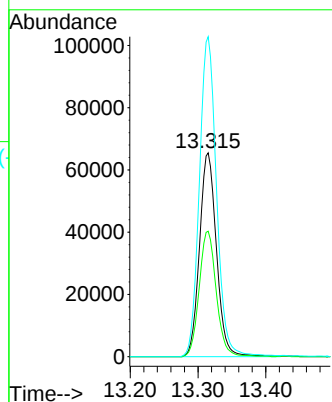
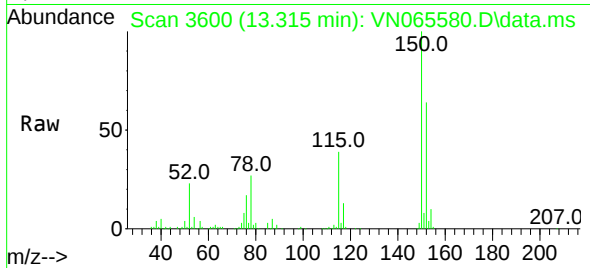




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

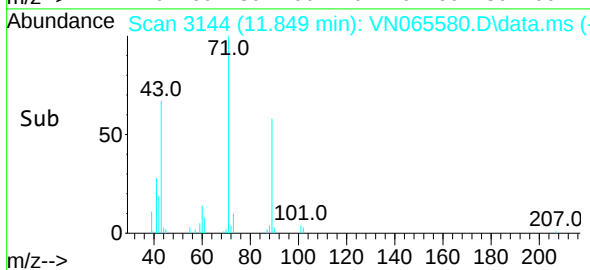
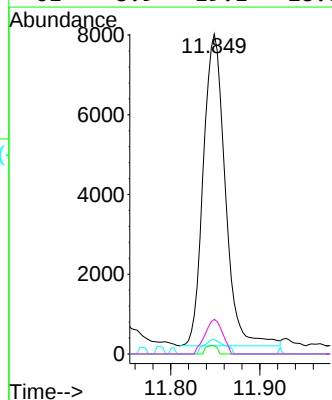
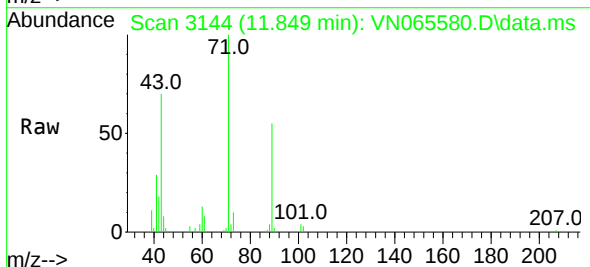
Instrument :
MSVOA_N
ClientSampleId :

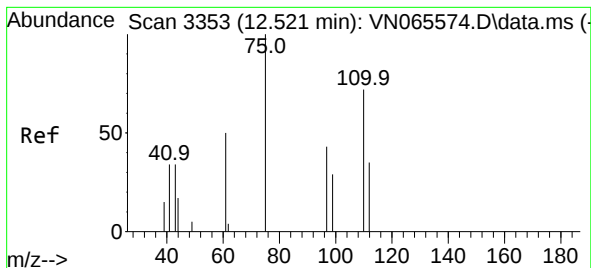
Tgt Ion:152 Resp: 113783
Ion Ratio Lower Upper
152 100
115 62.0 28.5 85.6
150 158.9 0.0 347.6



#74
N-ethyl acetate
Concen: 3.17 ug/l
RT: 11.849 min Scan# 3144
Delta R.T. -0.190 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 43 Resp: 13339
Ion Ratio Lower Upper
43 100
70 1.4 34.4 51.6#
55 4.4 20.7 31.1#
61 8.9 19.1 28.7#

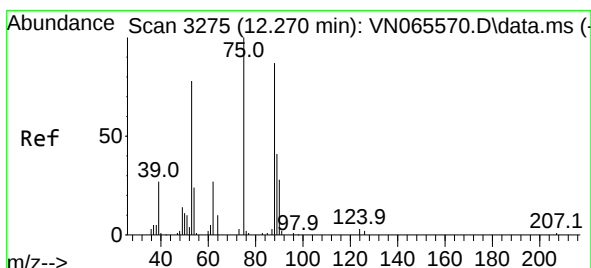
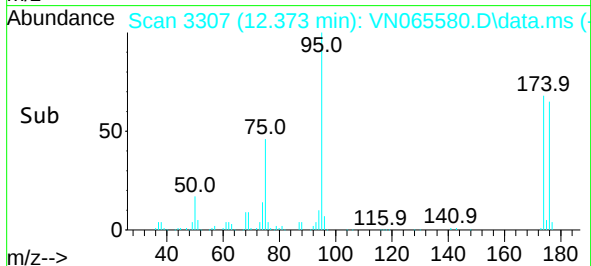
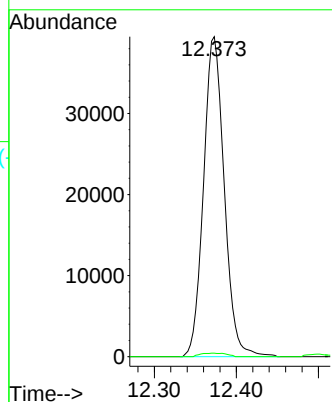
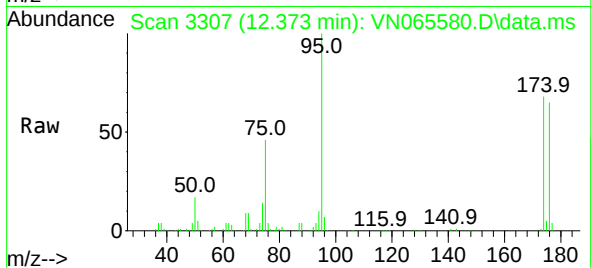




#76
1,2,3-Trichloropropane
Concen: 23.25 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

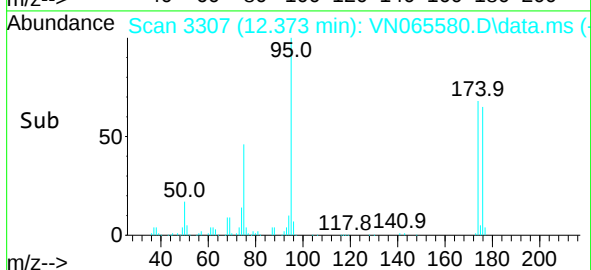
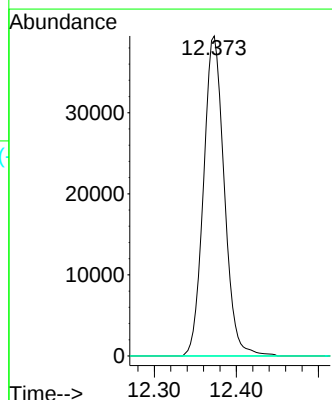
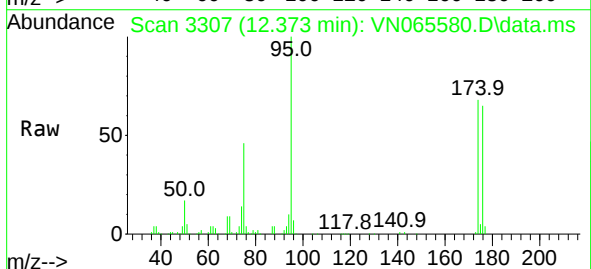
Instrument :
MSVOA_N
ClientSampled :

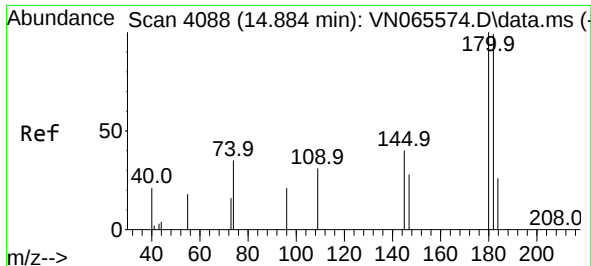
Tgt Ion: 75 Resp: 69187
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.56 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

Tgt Ion: 75 Resp: 69187
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

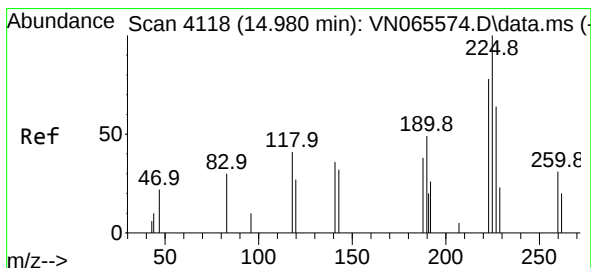
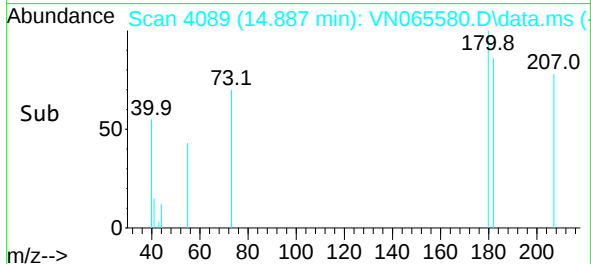
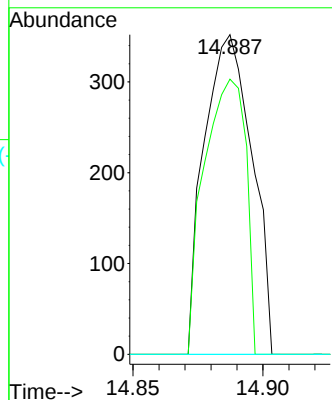
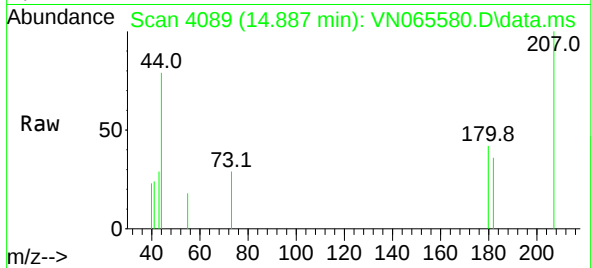




#93
1,2,4-Trichlorobenzene
Concen: 3.55 ug/l
RT: 14.887 min Scan# 4089
Delta R.T. 0.009 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

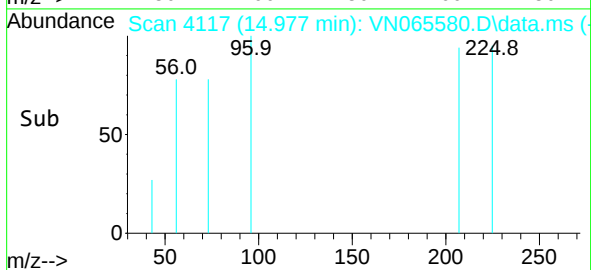
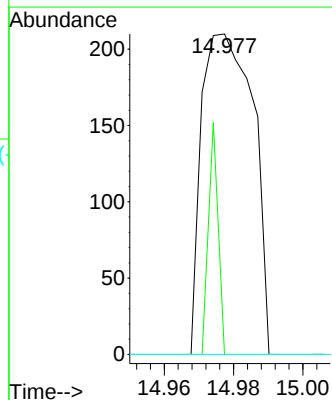
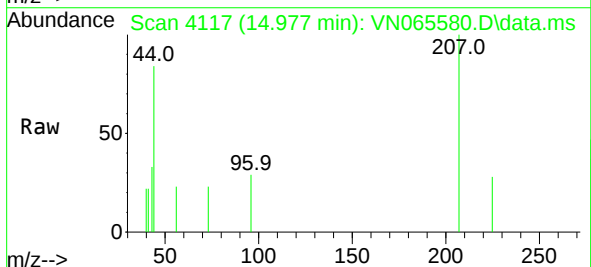
Instrument :
MSVOA_N
ClientSampled :

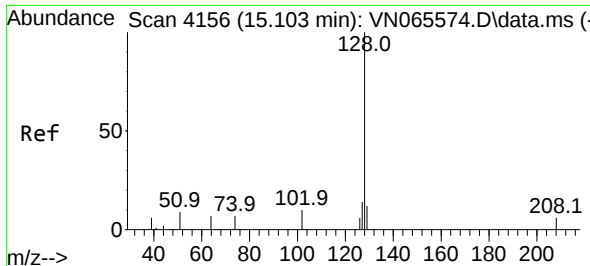
Tgt Ion:180 Resp: 449
Ion Ratio Lower Upper
180 100
182 75.1 47.3 142.0
145 0.0 15.6 46.8#



#94
Hexachlorobutadiene
Concen: 0.44 ug/l
RT: 14.977 min Scan# 4117
Delta R.T. 0.000 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

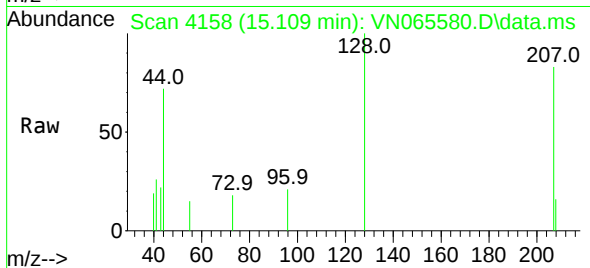
Tgt Ion:225 Resp: 216
Ion Ratio Lower Upper
225 100
223 13.4 31.9 95.9#
227 0.0 31.6 95.0#



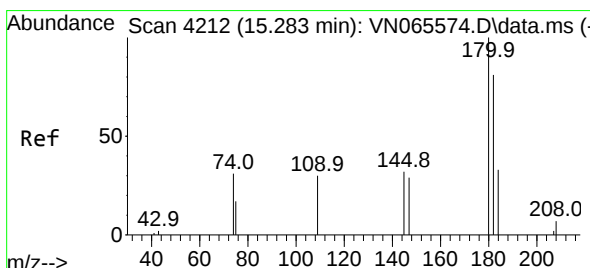
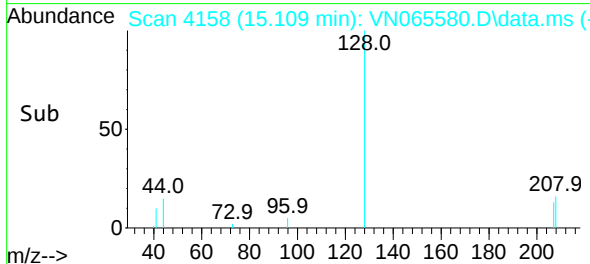
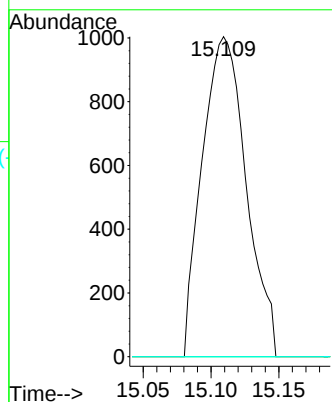


#95
Naphthalene
Concen: 3.74 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.009 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33

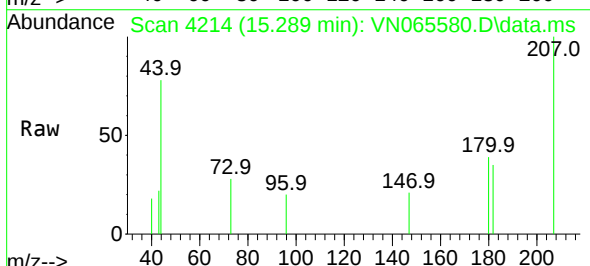
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 2275
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.09 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.009 min
Lab File: VN065580.D
Acq: 25 Jan 2021 16:33



Tgt Ion:180 Resp: 592
Ion Ratio Lower Upper
180 100
182 108.1 47.4 142.3
145 0.0 16.5 49.5#

