

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065780.D
 Acq On : 9 Feb 2021 15:10
 Operator : JC/MD
 Sample : PB134530TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

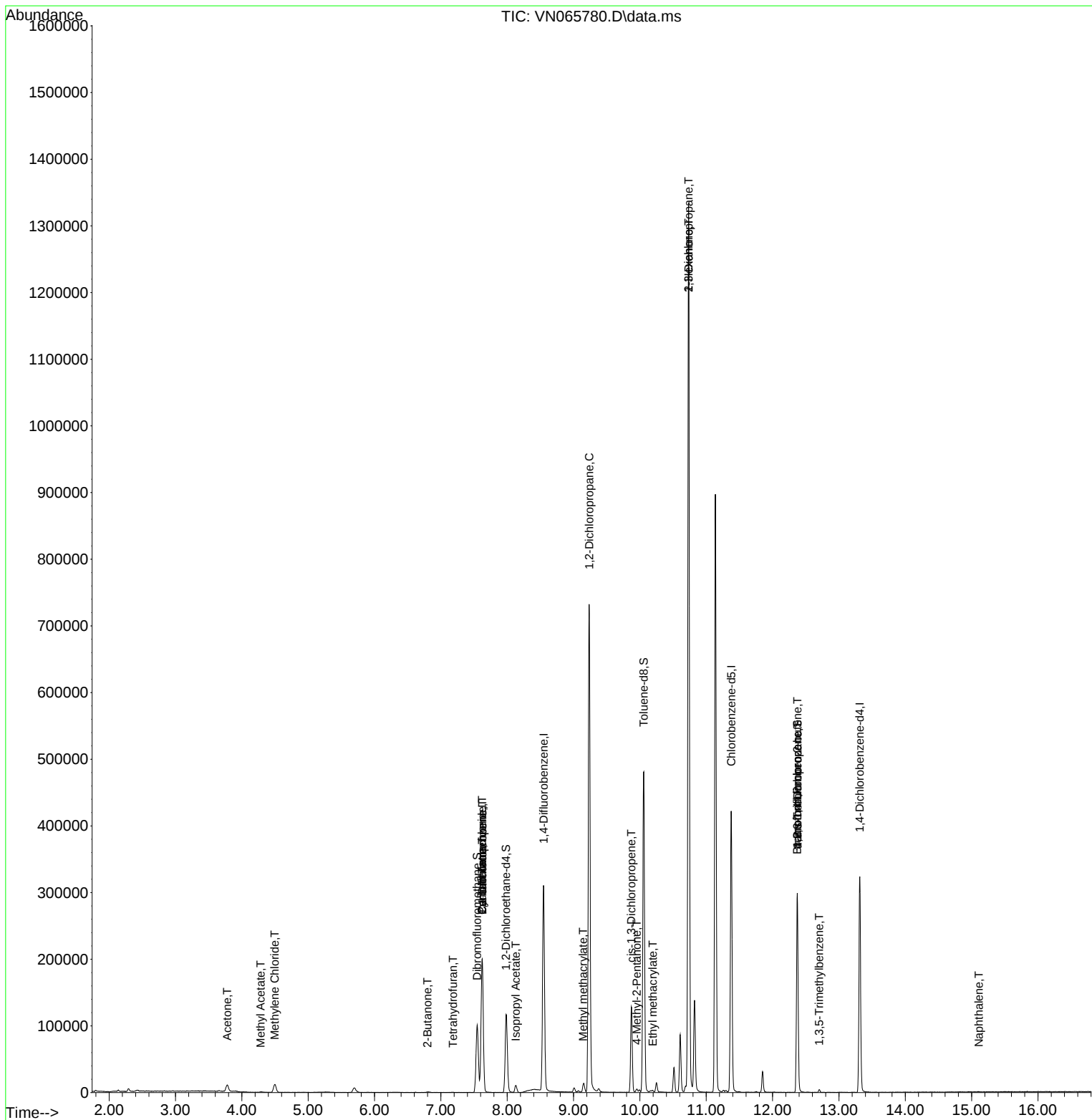
Quant Time: Feb 10 00:58:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

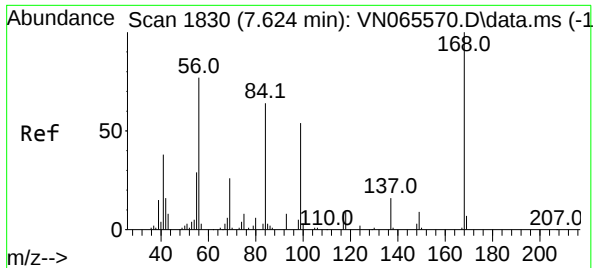
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.624	168	172853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	288298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	260179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	95292	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	98166	43.17	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.34%		
35) Dibromofluoromethane	7.547	113	82232	48.13	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.26%		
50) Toluene-d8	10.058	98	358078	53.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.64%		
62) 4-Bromofluorobenzene	12.373	95	118496	49.00	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.00%		
Target Compounds						
					Qvalue	
16) Acetone	3.779	43	15240	17.21	ug/l	90
18) Methyl Acetate	4.283	43	2029	0.82	ug/l #	60
20) Methylene Chloride	4.495	84	9530	3.89	ug/l	91
25) 2-Butanone	6.798	43	1141	0.82	ug/l #	46
29) Tetrahydrofuran	7.184	42	478	0.47	ug/l #	32
31) Cyclohexane	7.621	56	2942	0.69	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	12411	4.28	ug/l #	47
38) Carbon Tetrachloride	7.621	117	15974	6.69	ug/l #	15
43) Isopropyl Acetate	8.129	43	12734	2.58	ug/l #	92
45) 1,2-Dichloropropane	9.238	63	900	0.37	ug/l #	44
48) Methyl methacrylate	9.142	41	3225	1.38	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3466	1.27	ug/l	99
54) cis-1,3-Dichloropropene	9.871	75	25588	6.83	ug/l #	55
56) Ethyl methacrylate	10.196	69	1375	0.42	ug/l	95
57) 1,3-Dichloropropane	10.733	76	14664	4.16	ug/l #	43
59) 2-Hexanone	10.733	43	183060	96.91	ug/l #	51
71) Bromoform	12.370	173	285	0.21	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	51719	20.76	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.701	105	3229	0.45	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	51719	53.16	ug/l #	12
95) Naphthalene	15.109	128	69	3.46	ug/l #	69

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

Quant Time: Feb 10 00:58:42 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

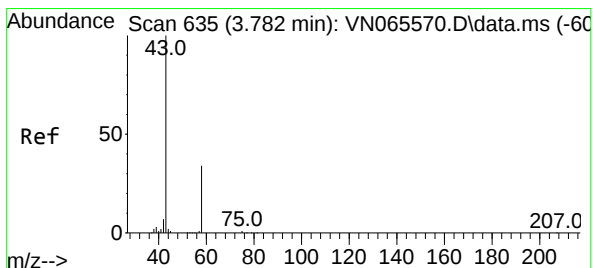
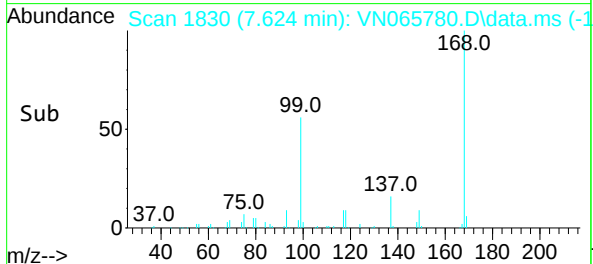
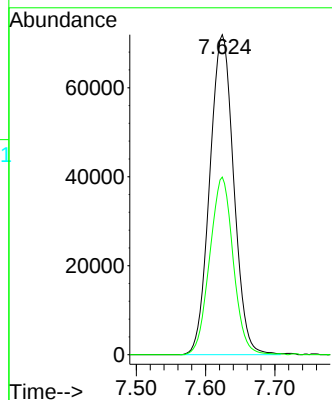
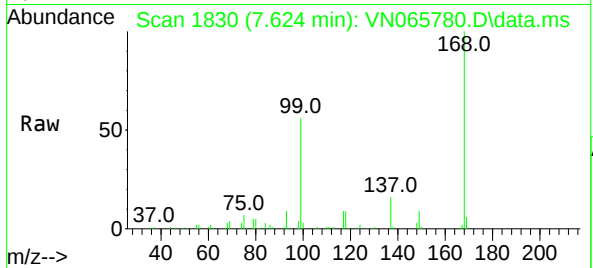




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

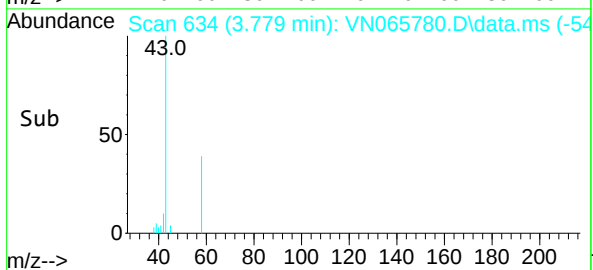
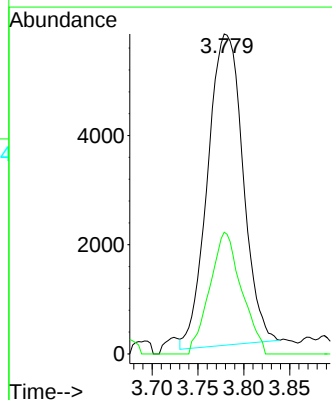
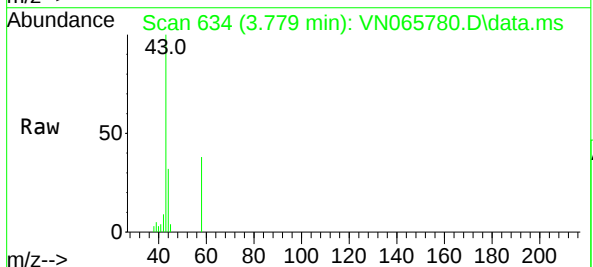
Instrument :
MSVOA_N
ClientSampled :

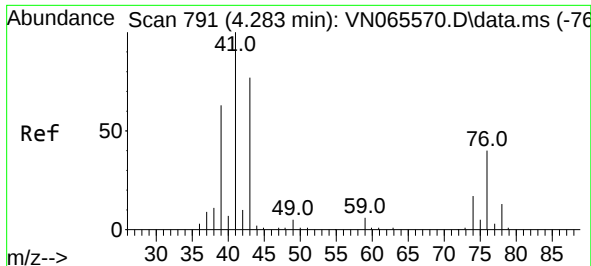
Tgt Ion:168 Resp: 172853
Ion Ratio Lower Upper
168 100
99 55.5 42.6 63.8



#16
Acetone
Concen: 17.21 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

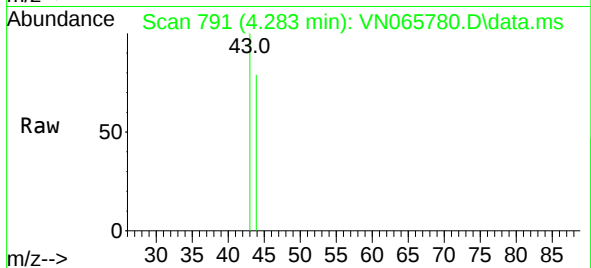
Tgt Ion: 43 Resp: 15240
Ion Ratio Lower Upper
43 100
58 39.8 27.0 40.6



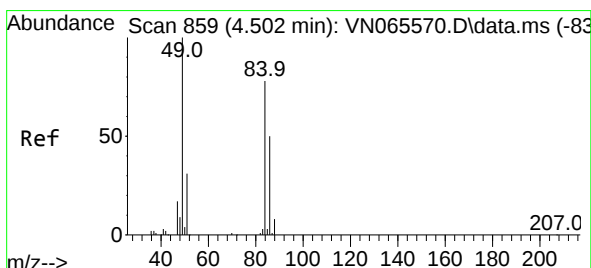
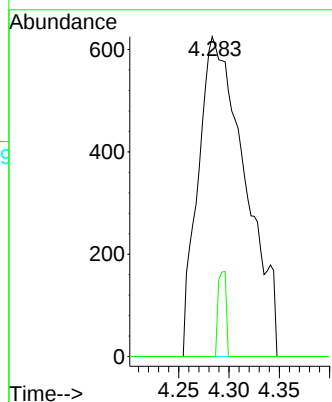
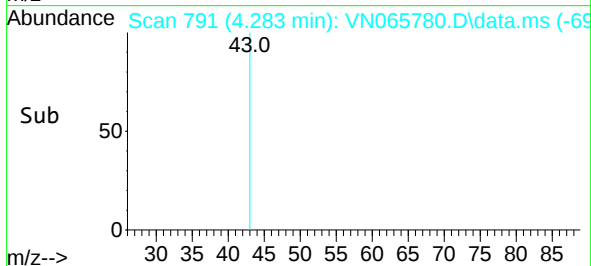


#18
Methyl Acetate
Concen: 0.82 ug/l
RT: 4.283 min Scan# 791
Delta R.T. 0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

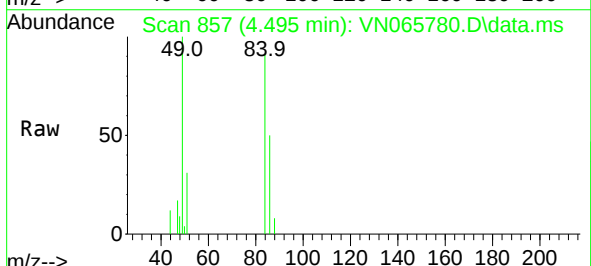
Instrument :
MSVOA_N
ClientSampled :



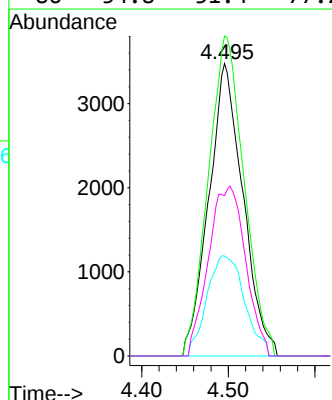
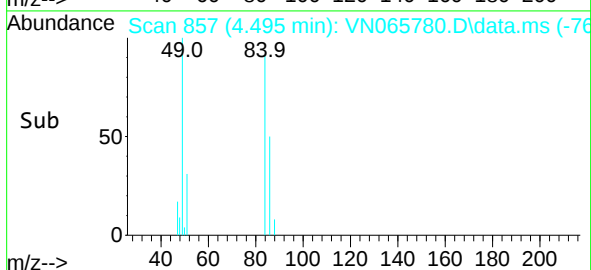
Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
74 4.6 19.5 29.3#

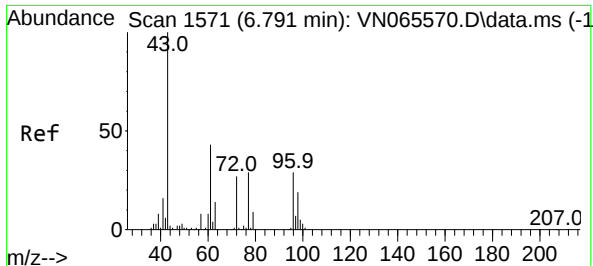


#20
Methylene Chloride
Concen: 3.89 ug/l
RT: 4.495 min Scan# 857
Delta R.T. -0.006 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10



Tgt Ion: 84 Resp: 9530
Ion Ratio Lower Upper
84 100
49 109.4 94.6 141.8
51 34.2 29.9 44.9
86 54.8 51.4 77.2

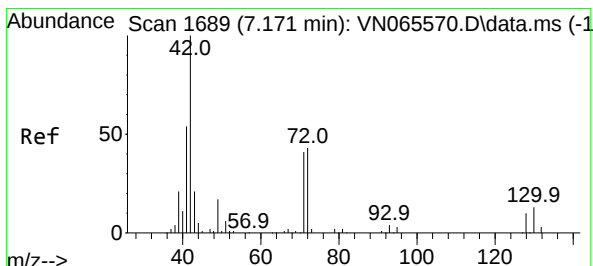
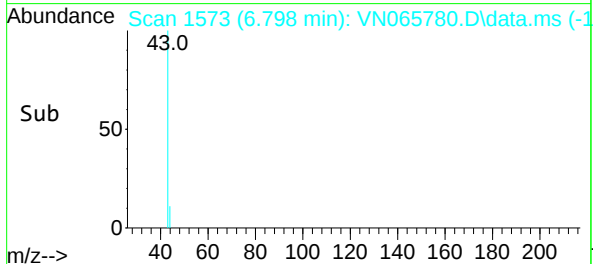
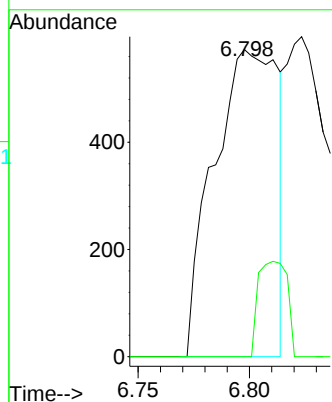
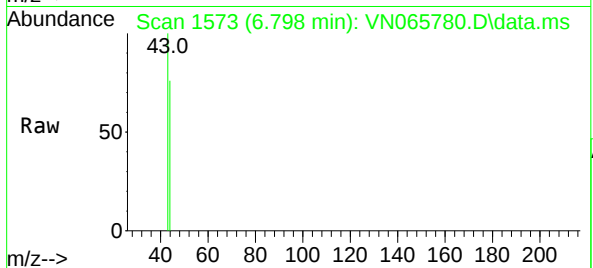




#25
2-Butanone
Concen: 0.82 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.007 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

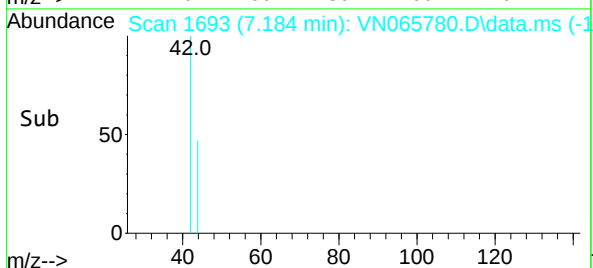
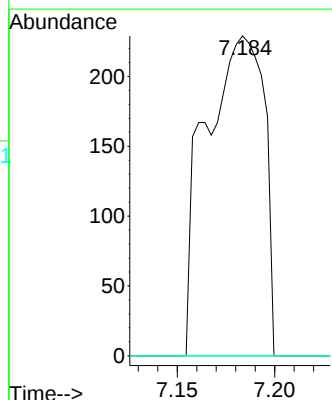
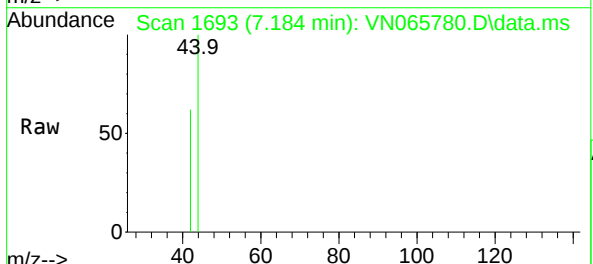
Instrument :
MSVOA_N
ClientSampled :

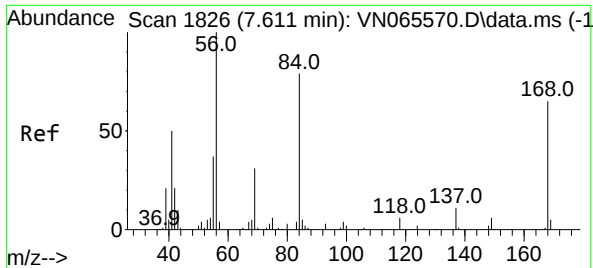
Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 7.184 min Scan# 1693
Delta R.T. 0.013 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

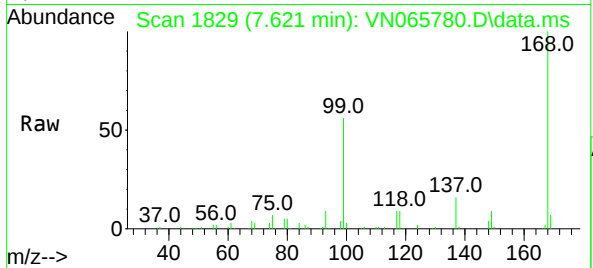
Tgt Ion: 42 Resp: 478
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



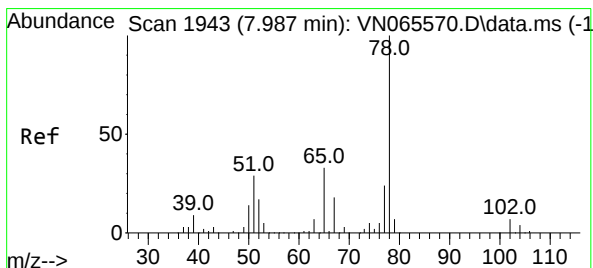
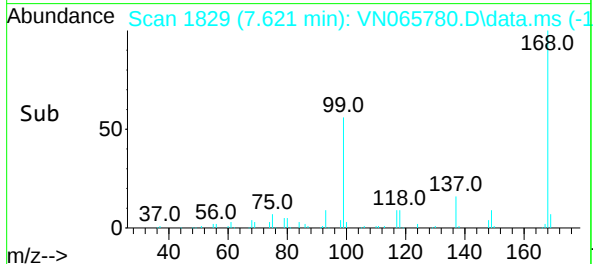
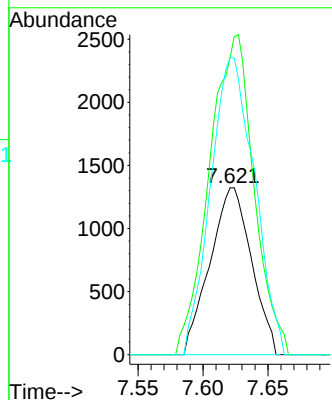


#31
Cyclohexane
Concen: 0.69 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Instrument :
MSVOA_N
ClientSampled :

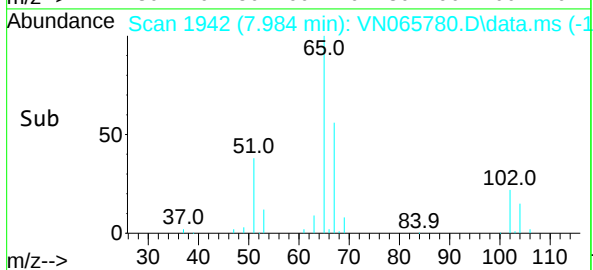
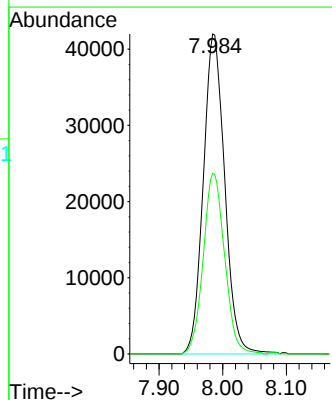
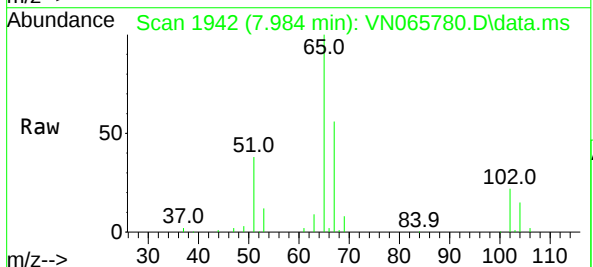


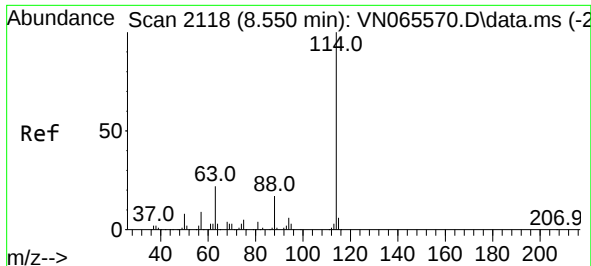
Tgt Ion: 56 Resp: 2942
Ion Ratio Lower Upper
56 100
69 166.4 26.6 39.8#
84 178.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 43.17 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

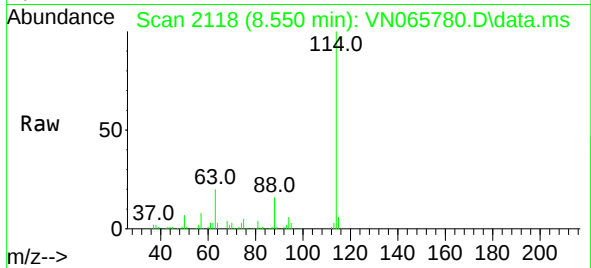
Tgt Ion: 65 Resp: 98166
Ion Ratio Lower Upper
65 100
67 56.4 0.0 107.2



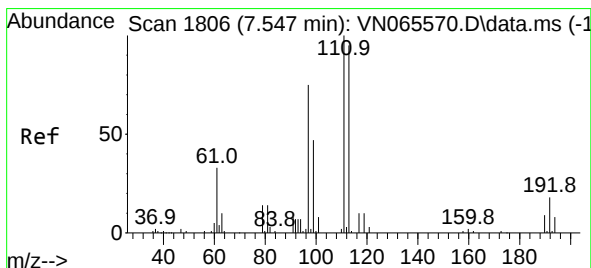
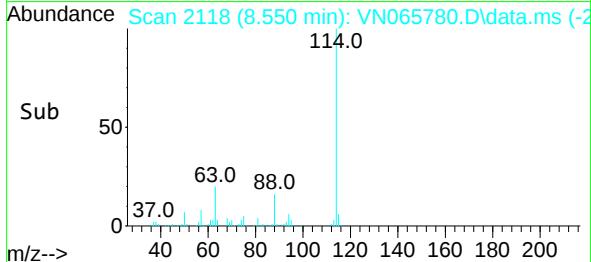
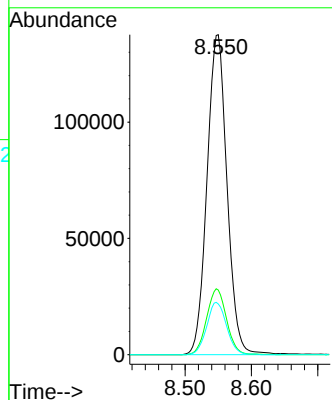


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Instrument :
MSVOA_N
ClientSampled :

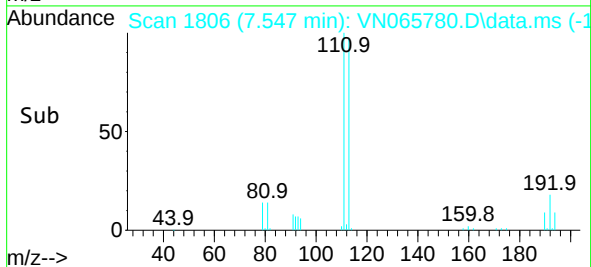
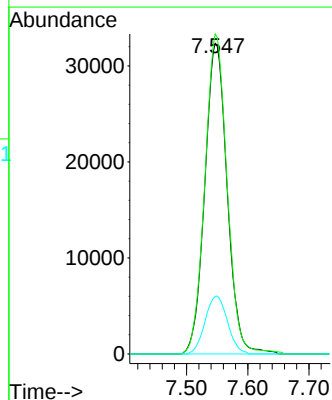
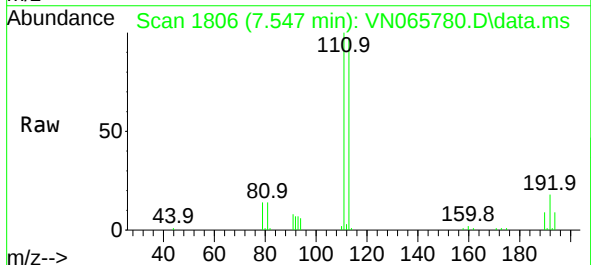


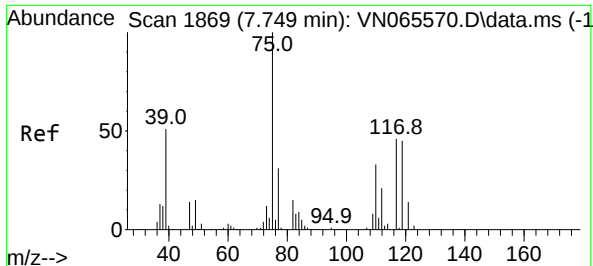
Tgt Ion:114 Resp: 288298
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.13 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

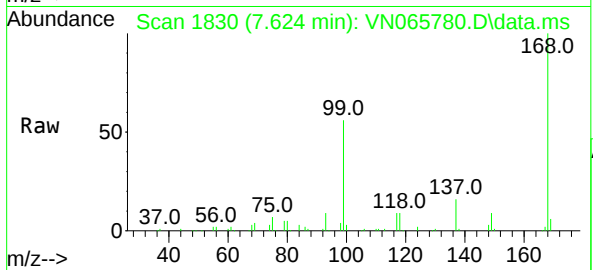
Tgt Ion:113 Resp: 82232
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 18.7 15.4 23.0



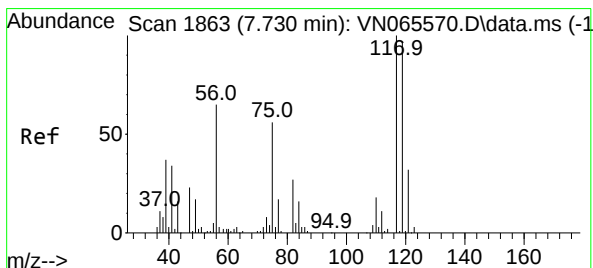
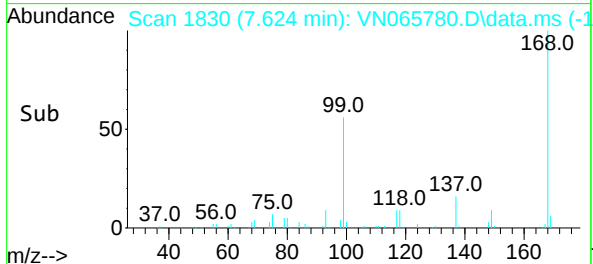
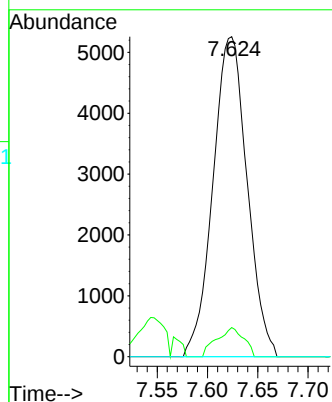


#36
 1,1-Dichloropropene
 Concen: 4.28 ug/l
 RT: 7.624 min Scan# 1830
 Delta R.T. -0.125 min
 Lab File: VN065780.D
 Acq: 9 Feb 2021 15:10

Instrument :
 MSVOA_N
 ClientSampled :

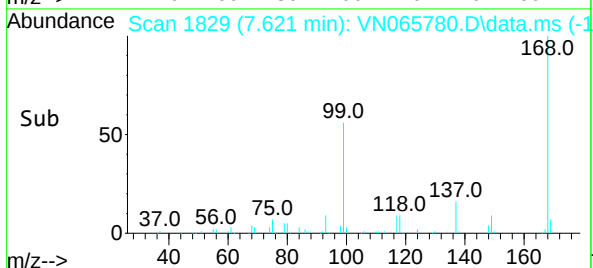
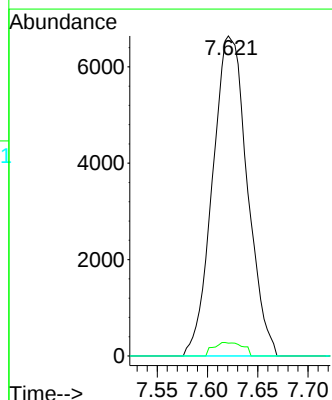
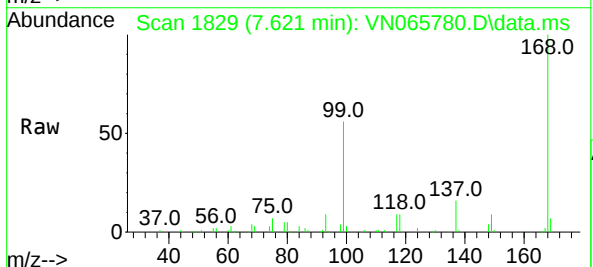


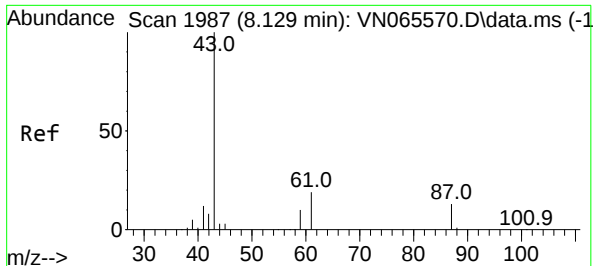
Tgt Ion: 75 Resp: 12411
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.69 ug/l
 RT: 7.621 min Scan# 1829
 Delta R.T. -0.109 min
 Lab File: VN065780.D
 Acq: 9 Feb 2021 15:10

Tgt Ion: 117 Resp: 15974
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.0 114.0#
 121 0.0 24.5 36.7#



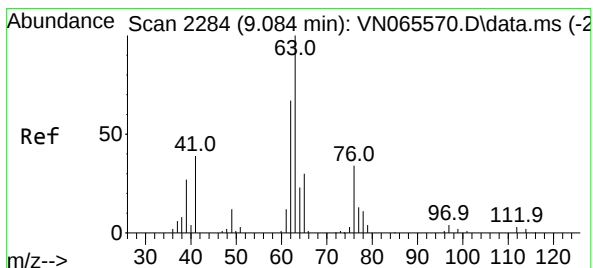
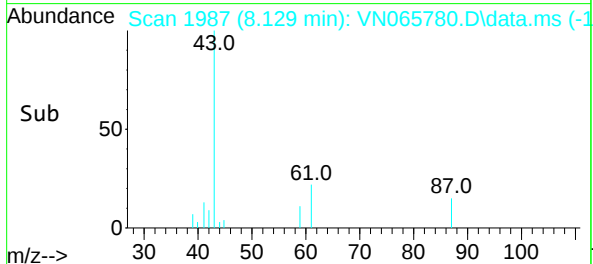
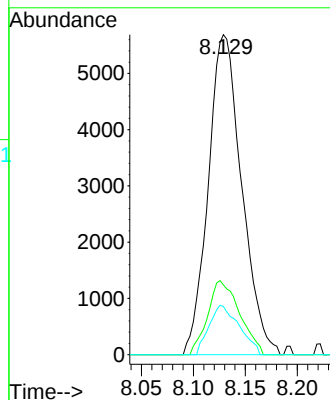
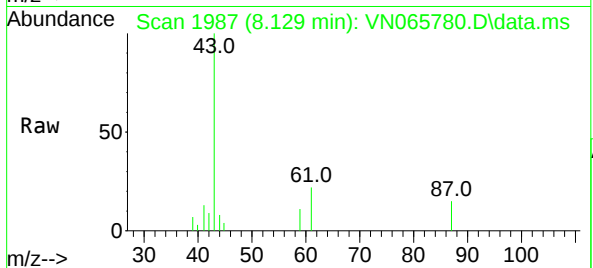


#43

Isopropyl Acetate
Concen: 2.58 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Instrument :
MSVOA_N
ClientSampled :

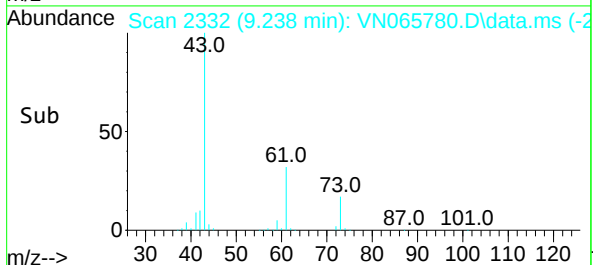
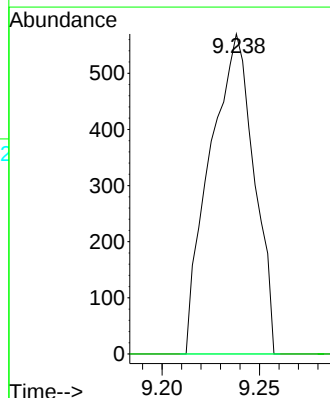
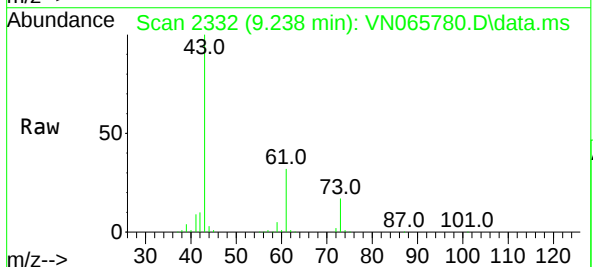
Tgt Ion: 43 Resp: 12734
Ion Ratio Lower Upper
43 100
61 22.1 22.5 33.7#
87 13.9 11.1 16.7

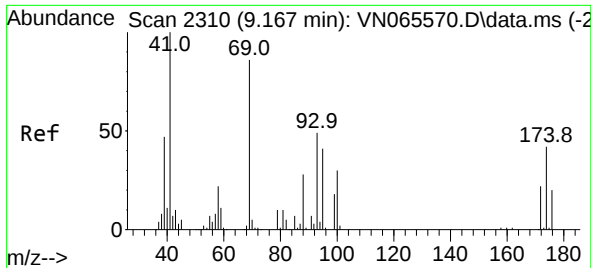


#45

1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 63 Resp: 900
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

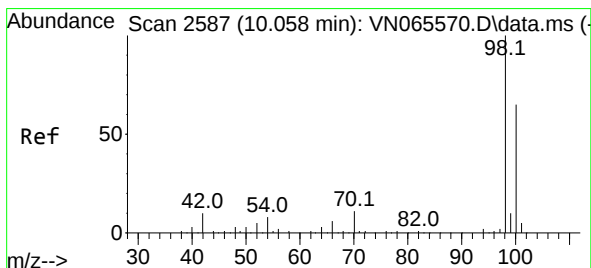
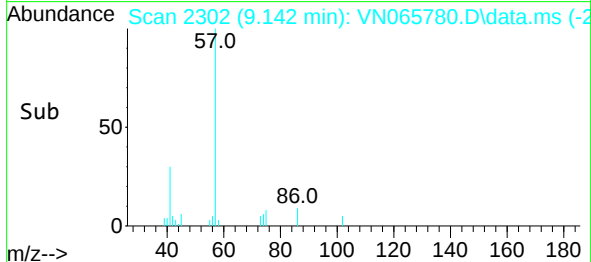
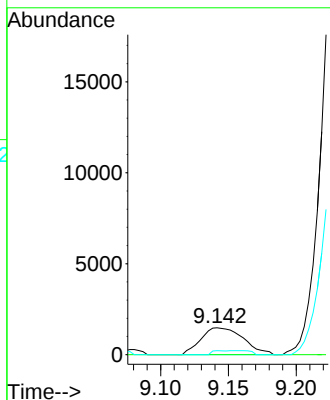
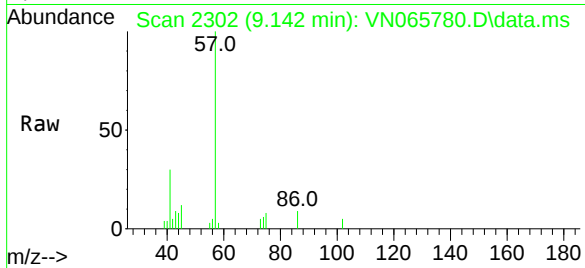




#48
Methyl methacrylate
Concen: 1.38 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.025 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

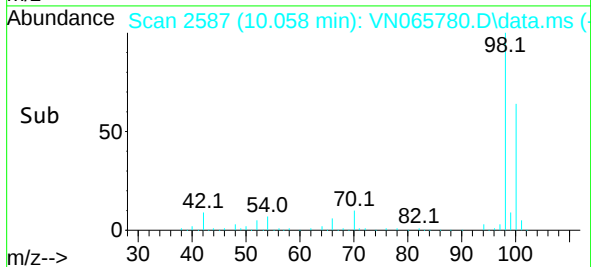
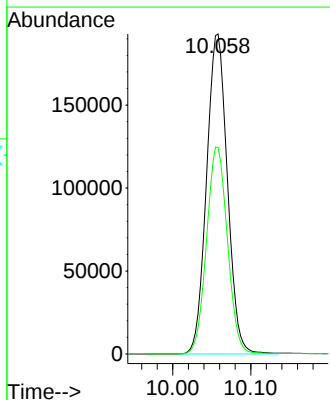
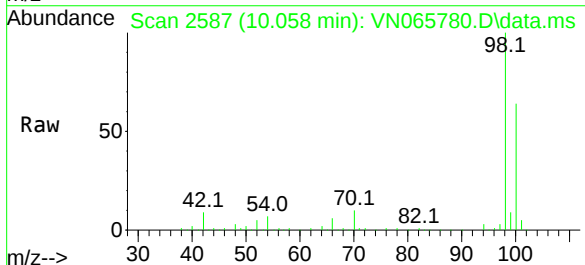
Instrument :
MSVOA_N
ClientSampled :

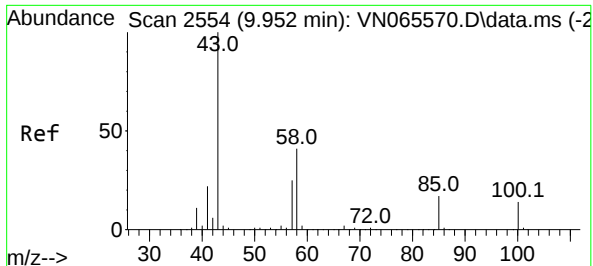
Tgt Ion: 41 Resp: 3225
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.32 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 98 Resp: 358078
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7

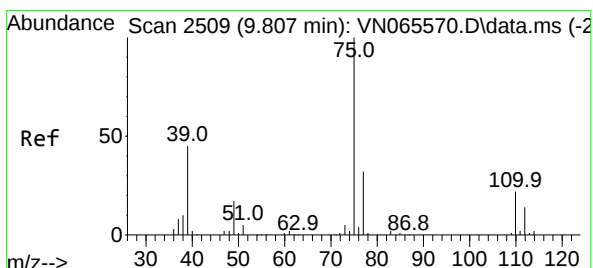
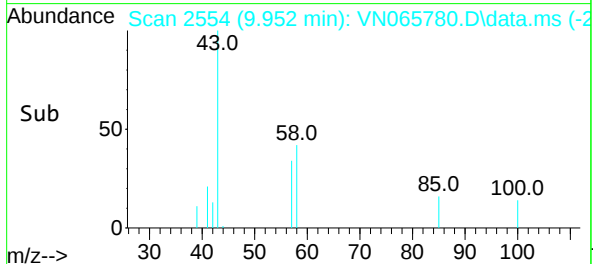
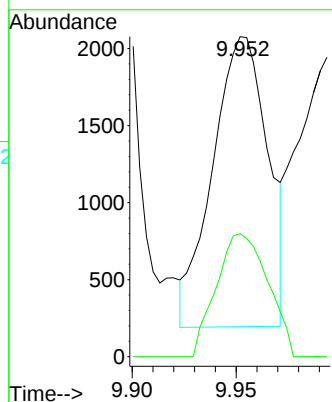
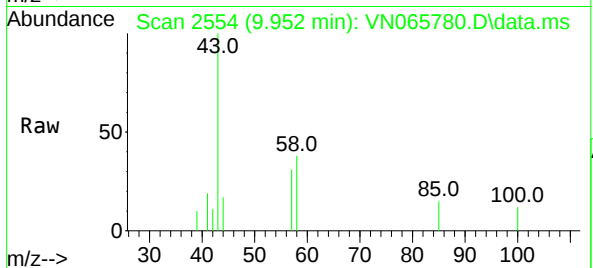




#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

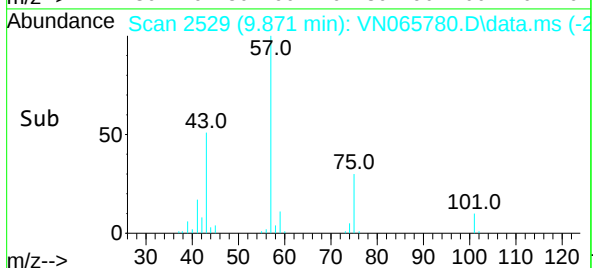
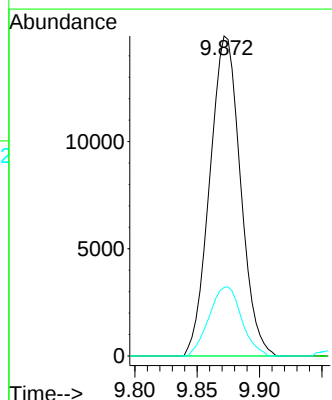
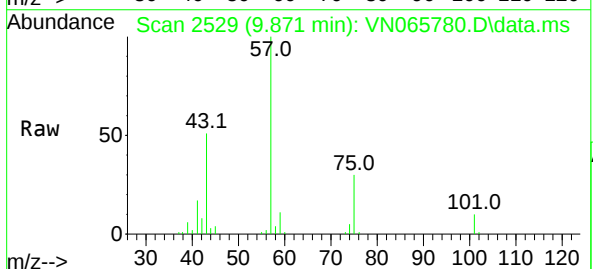
Instrument :
MSVOA_N
ClientSampled :

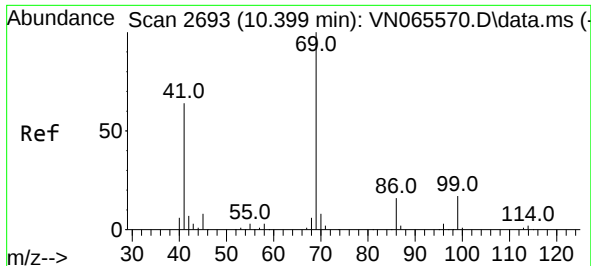
Tgt Ion: 43 Resp: 3466
Ion Ratio Lower Upper
43 100
58 39.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 6.83 ug/l
RT: 9.871 min Scan# 2529
Delta R.T. 0.064 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 75 Resp: 25588
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 21.4 36.2 54.4#

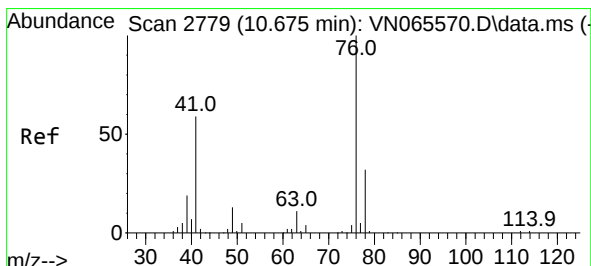
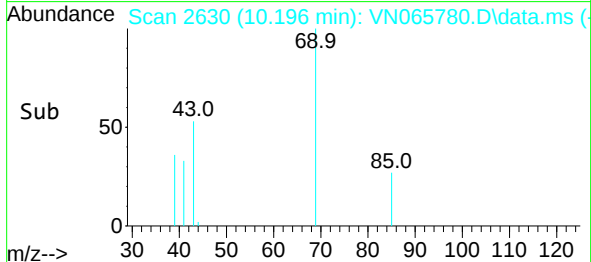
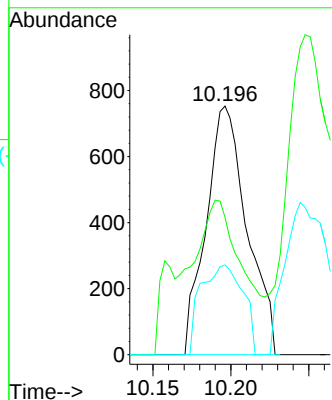
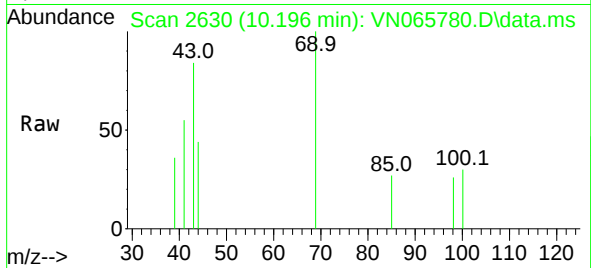




#56
Ethyl methacrylate
Concen: 0.42 ug/l
RT: 10.196 min Scan# 2630
Delta R.T. -0.203 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

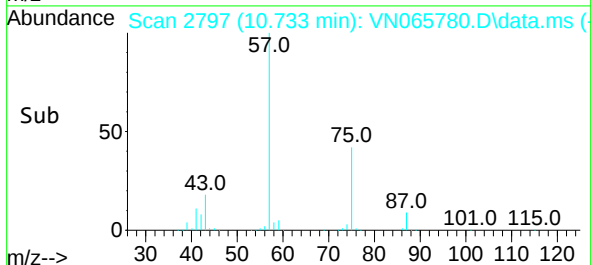
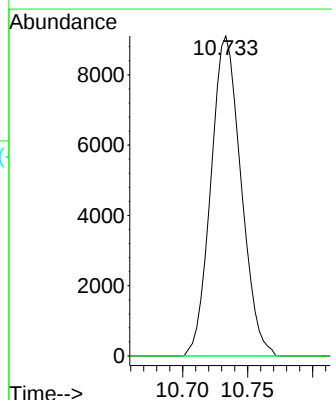
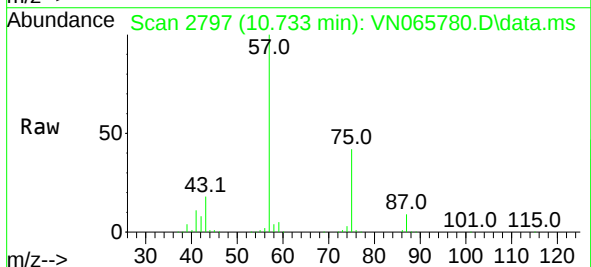
Instrument :
MSVOA_N
ClientSampled :

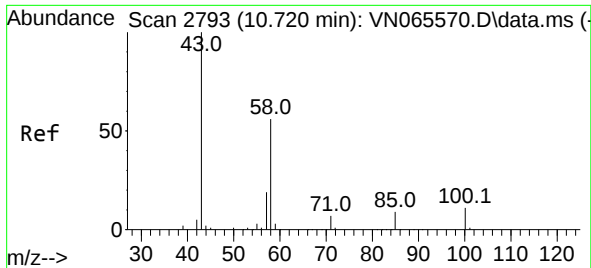
Tgt Ion: 69 Resp: 1375
Ion Ratio Lower Upper
69 100
41 66.3 49.6 74.4
39 37.0 28.0 42.0



#57
1,3-Dichloropropane
Concen: 4.16 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 76 Resp: 14664
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

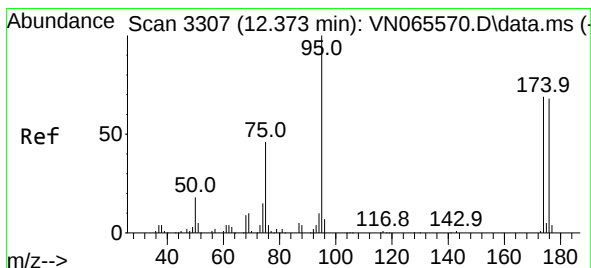
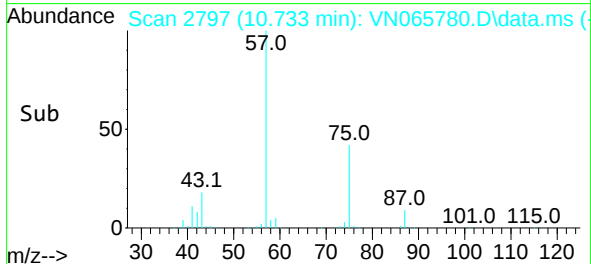
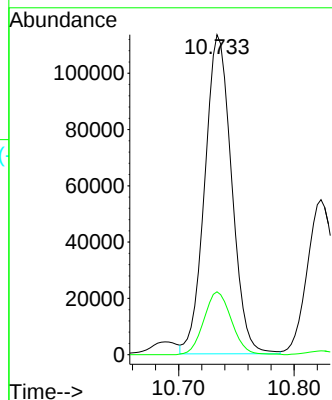
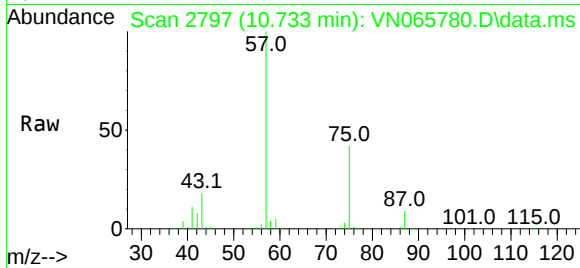




#59
2-Hexanone
Concen: 96.91 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

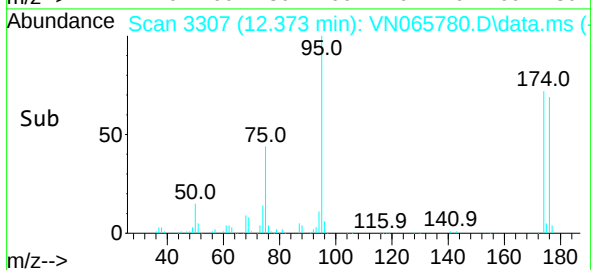
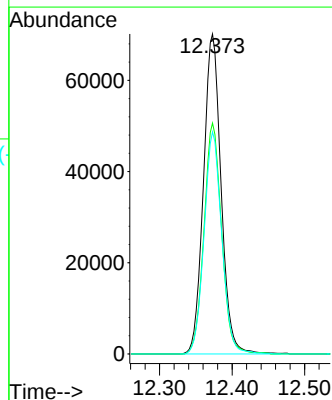
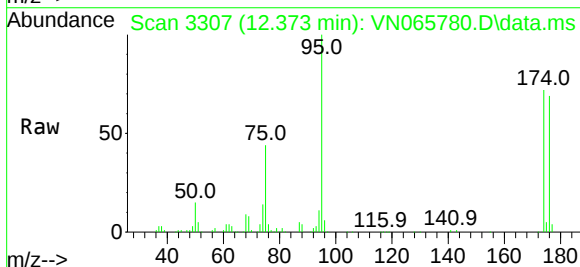
Instrument :
MSVOA_N
ClientSampled :

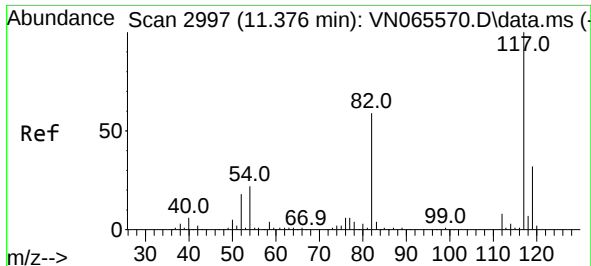
Tgt Ion: 43 Resp: 183060
Ion Ratio Lower Upper
43 100
58 20.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.00 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 95 Resp: 118496
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 69.6 0.0 162.4

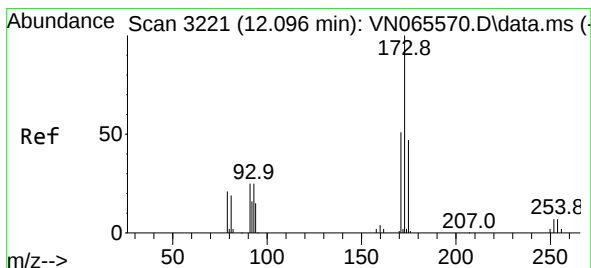
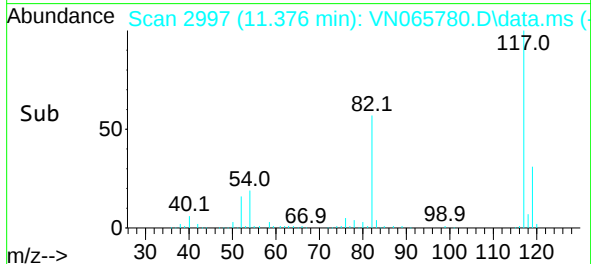
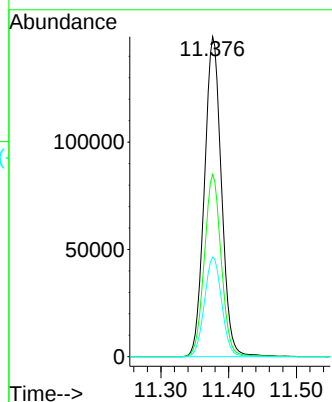
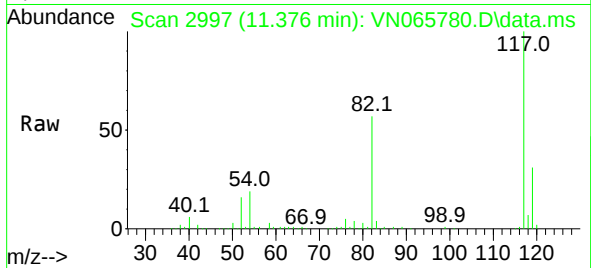




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

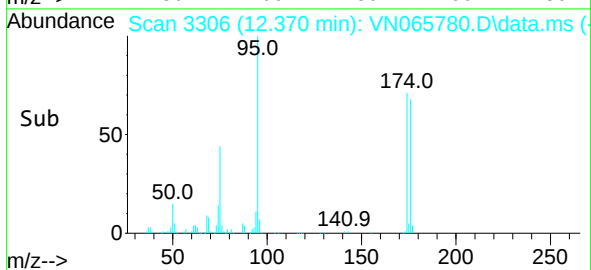
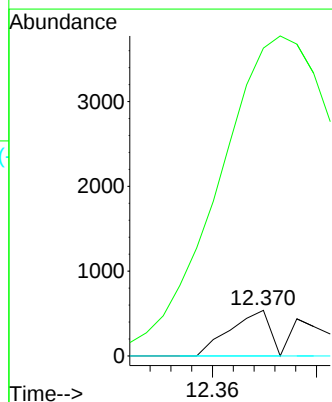
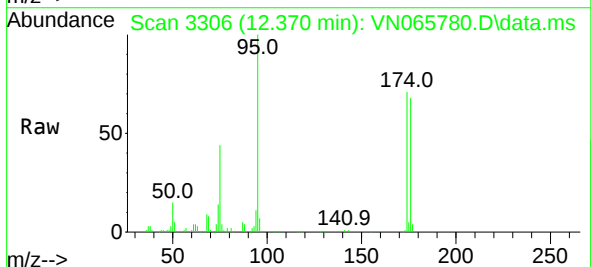
Instrument :
MSVOA_N
ClientSampled :

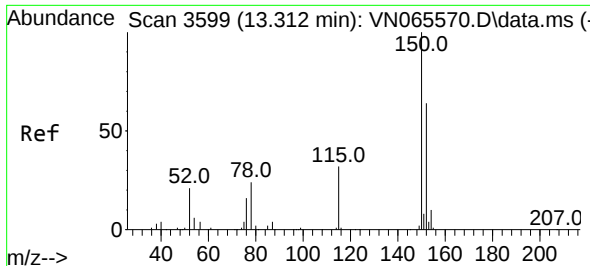
Tgt Ion:117 Resp: 260179
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 31.1 26.1 39.1



#71
Bromoform
Concen: 0.21 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.274 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion:173 Resp: 285
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0

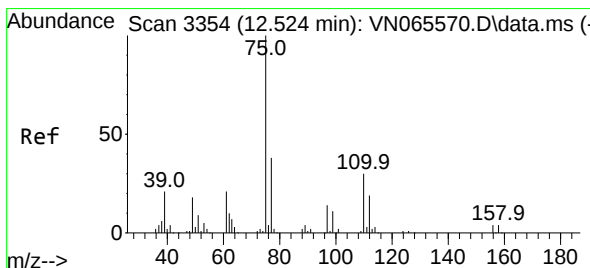
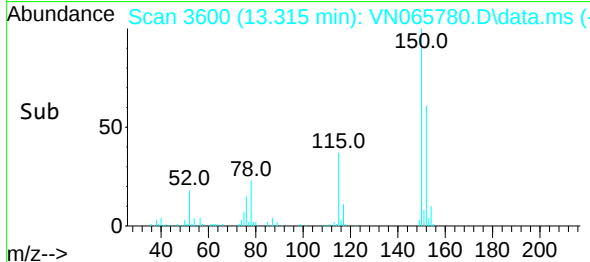
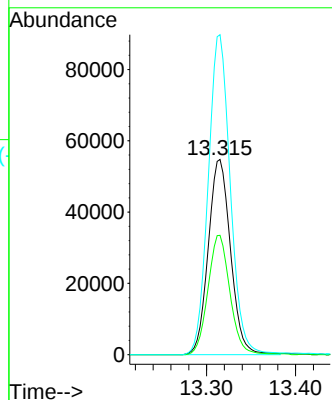
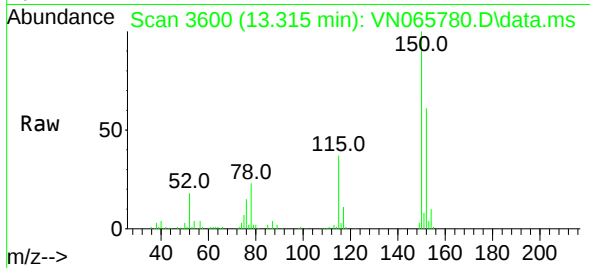




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

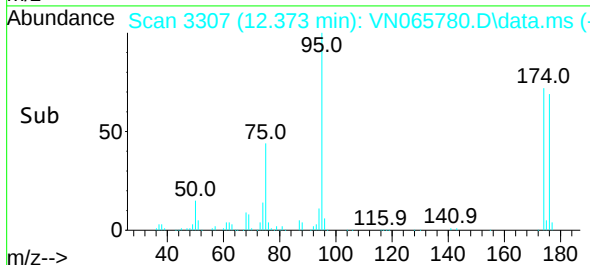
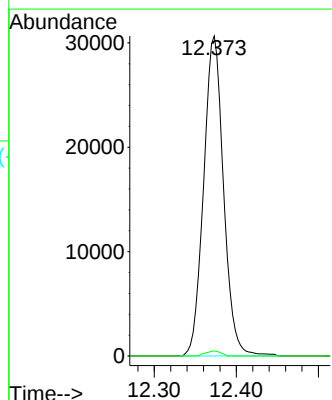
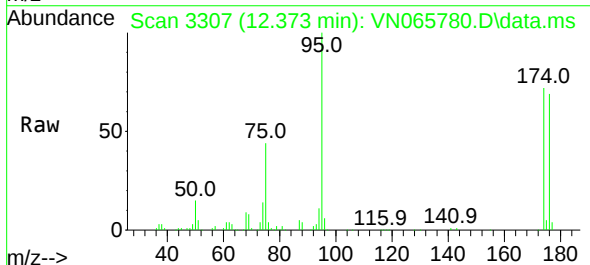
Instrument :
MSVOA_N
ClientSampled :

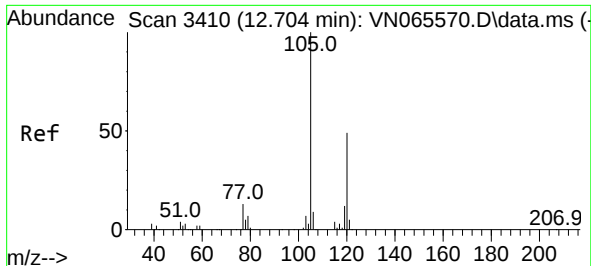
Tgt Ion:152 Resp: 95292
Ion Ratio Lower Upper
152 100
115 60.3 28.5 85.6
150 162.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 20.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Tgt Ion: 75 Resp: 51719
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

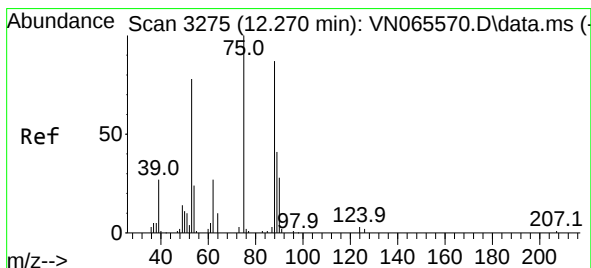
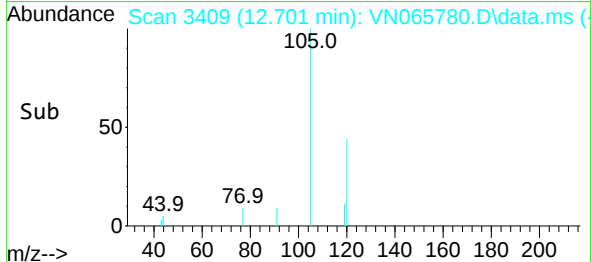
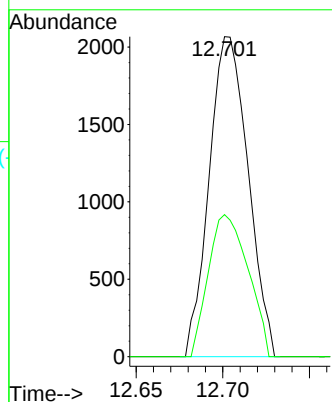
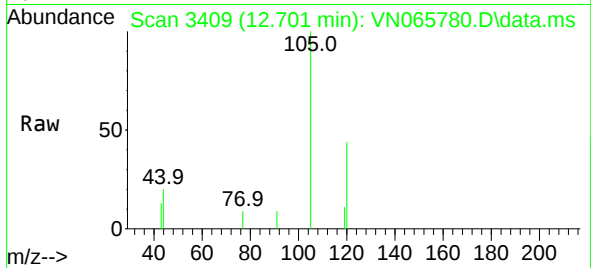




#80
1,3,5-Trimethylbenzene
Concen: 0.45 ug/l
RT: 12.701 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

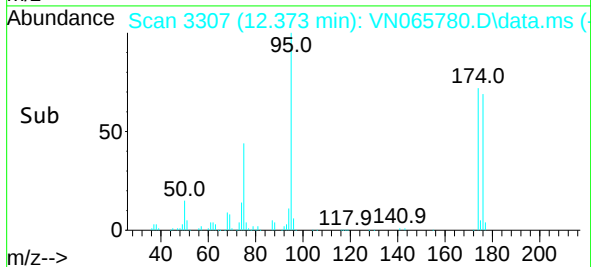
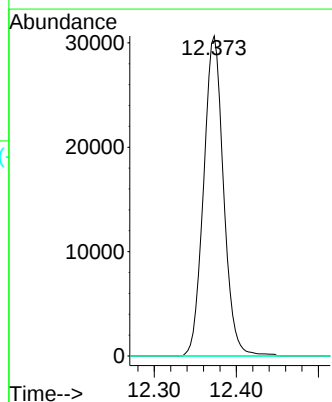
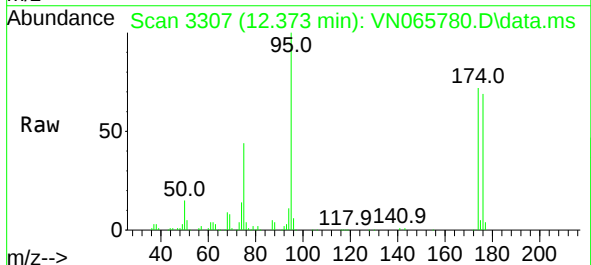
Instrument :
MSVOA_N
ClientSampled :

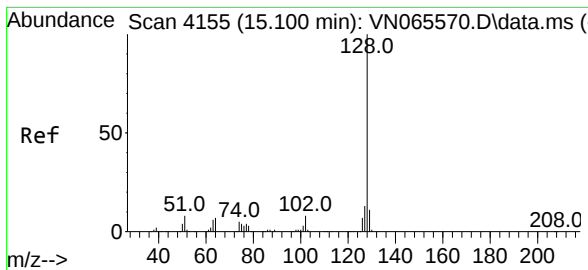
Tgt Ion:105 Resp: 3229
Ion Ratio Lower Upper
105 100
120 45.3 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 53.16 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

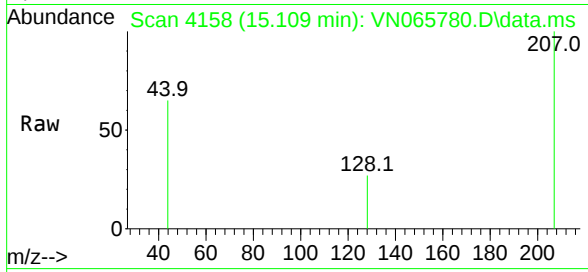
Tgt Ion: 75 Resp: 51719
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 3.46 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.009 min
Lab File: VN065780.D
Acq: 9 Feb 2021 15:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 69
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

