

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012621\
 Data File : VN065608.D
 Acq On : 26 Jan 2021 16:51
 Operator : JC/MD
 Sample : M1218-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 237

Quant Time: Jan 27 03:30:19 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)

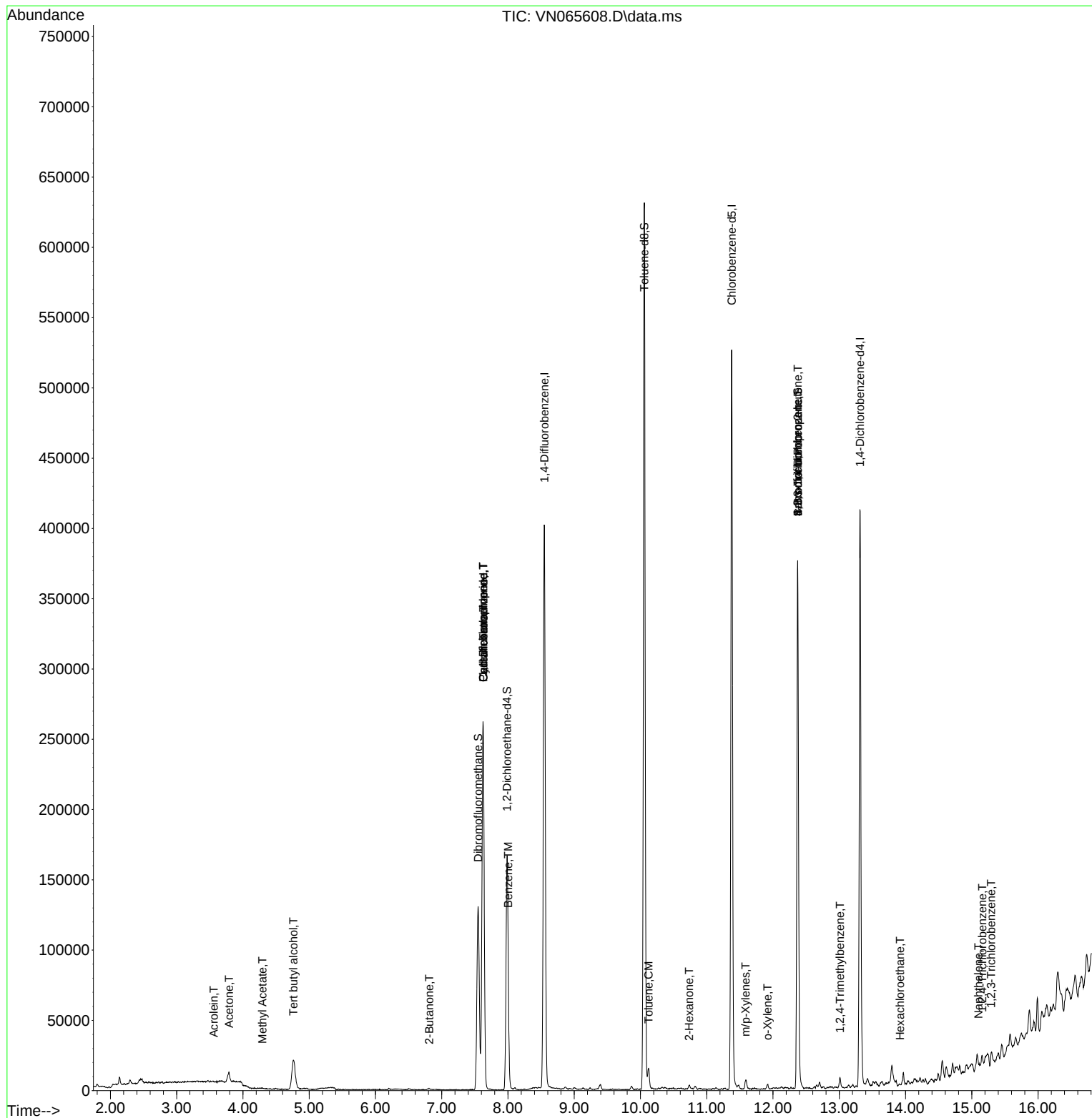
Internal Standards						
1) Pentafluorobenzene	7.627	168	210839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	364509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	313762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	115485	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	137107	49.43	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.86%		
35) Dibromofluoromethane	7.550	113	107931	49.97	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.94%		
50) Toluene-d8	10.058	98	455278	53.62	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.24%		
62) 4-Bromofluorobenzene	12.373	95	148815	48.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.34%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.763	59	44777	86.18	ug/l #	86
13) Acrolein	3.560	56	267	18.64	ug/l #	61
16) Acetone	3.788	43	9761	9.04	ug/l	96
18) Methyl Acetate	4.293	43	1161	0.38	ug/l #	51
25) 2-Butanone	6.814	43	1365	0.81	ug/l #	46
31) Cyclohexane	7.627	56	4439	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	17716	4.83	ug/l #	47
38) Carbon Tetrachloride	7.627	117	20180	6.68	ug/l #	17
40) Benzene	8.004	78	5239	0.47	ug/l	100
52) Toluene	10.122	92	5602	0.84	ug/l	96
59) 2-Hexanone	10.733	43	618	0.26	ug/l #	23
68) m/p-Xylenes	11.585	106	2397	0.54	ug/l	87
69) o-Xylene	11.920	106	1009	0.23	ug/l	76
71) Bromoform	12.373	173	435	0.27	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	68894	22.81	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	68894	58.43	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	4272	0.50	ug/l	96
90) Hexachloroethane	13.920	117	352	0.24	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.161	180	90	3.40	ug/l #	13
95) Naphthalene	15.100	128	2655	3.78	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.293	180	60	2.87	ug/l #	12

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

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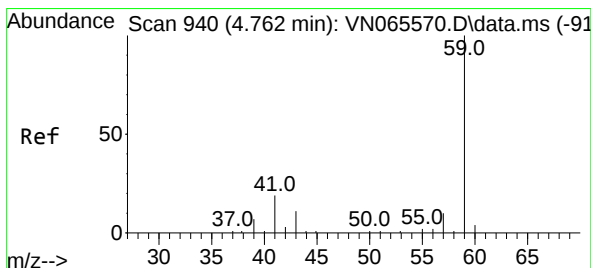
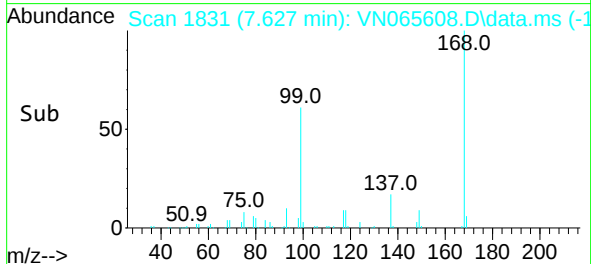
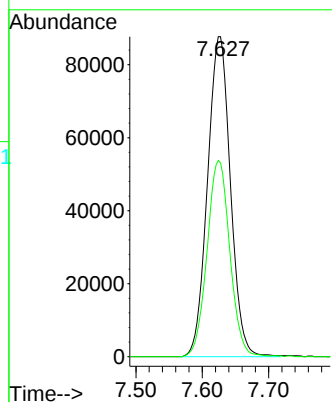
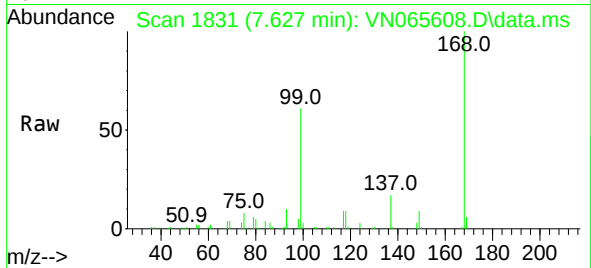




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.003 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

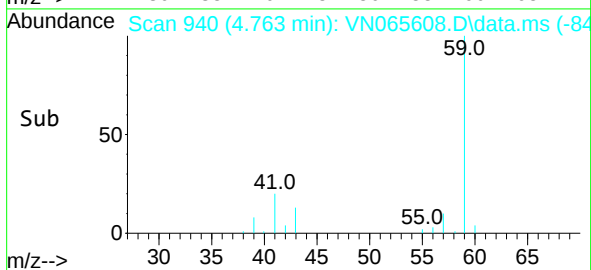
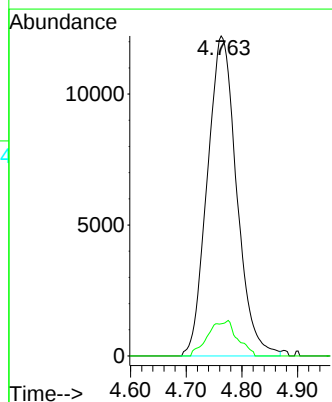
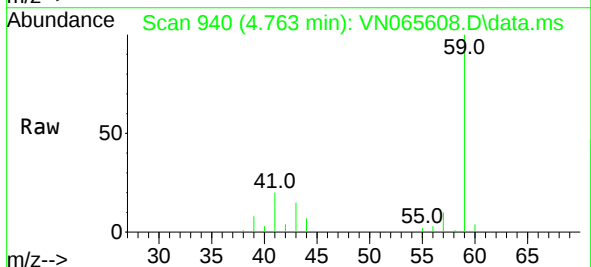
Instrument :
MSVOA_N
ClientSampled :
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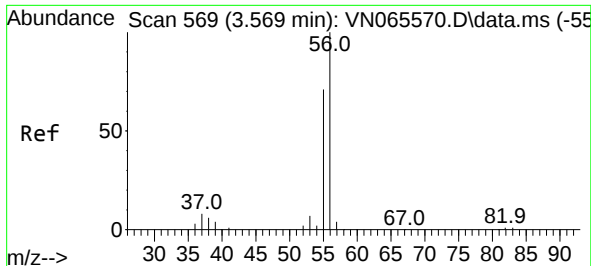
Tgt Ion:168 Resp: 210839
Ion Ratio Lower Upper
168 100
99 60.6 42.6 63.8



#11
Tert butyl alcohol
Concen: 86.18 ug/l
RT: 4.763 min Scan# 940
Delta R.T. 0.001 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 59 Resp: 44777
Ion Ratio Lower Upper
59 100
57 4.8 8.0 12.0#

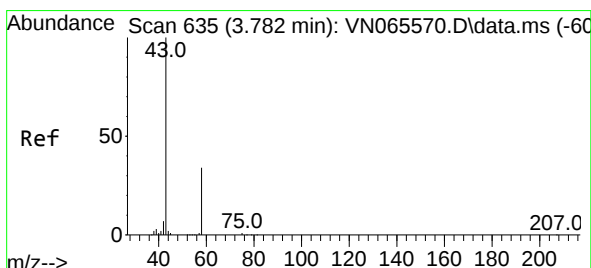
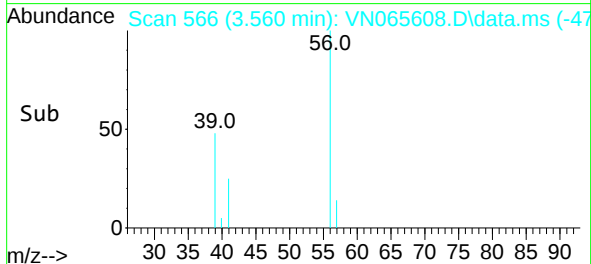
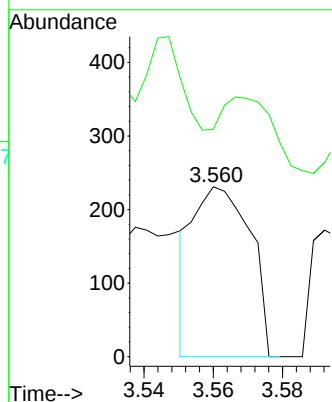
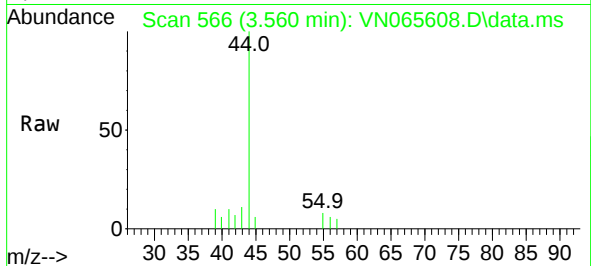




#13
Acrolein
Concen: 18.64 ug/l
RT: 3.560 min Scan# 566
Delta R.T. -0.009 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

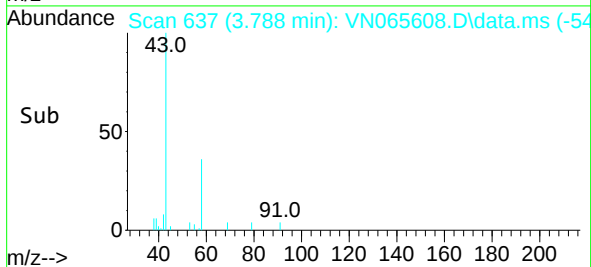
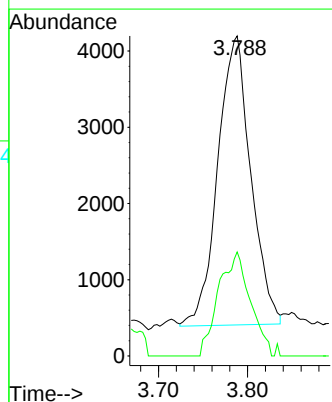
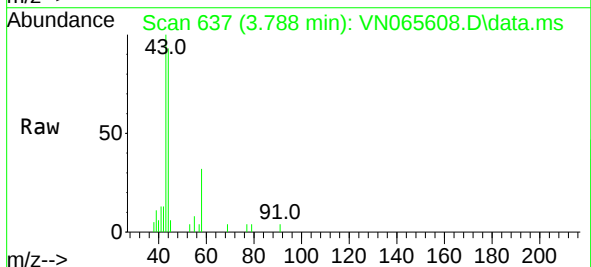
Instrument :
MSVOA_N
ClientSampled :
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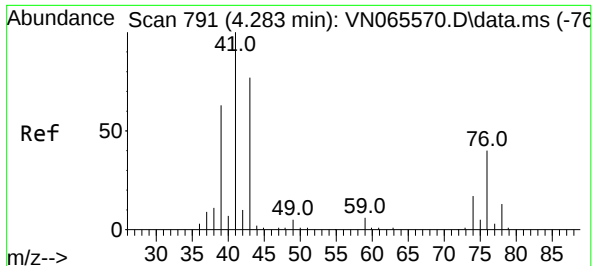
Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 38.2 56.0 84.0#



#16
Acetone
Concen: 9.04 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.006 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 43 Resp: 9761
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.6

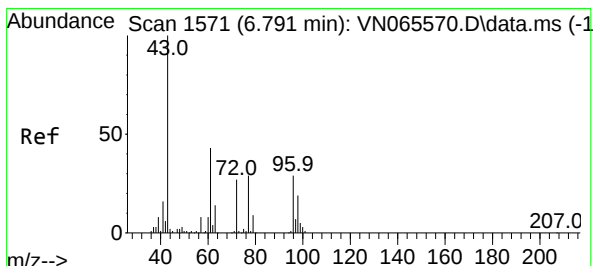
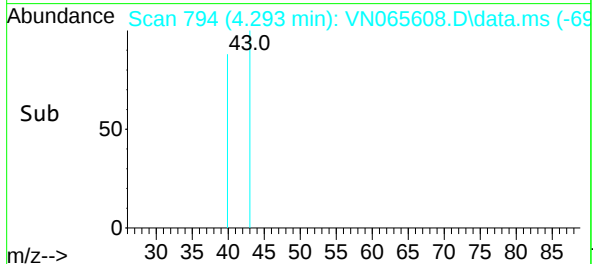
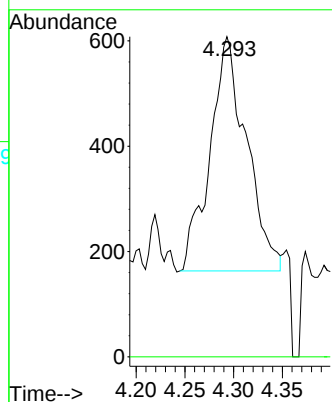
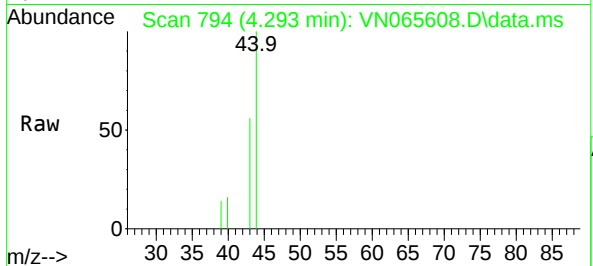




#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.010 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

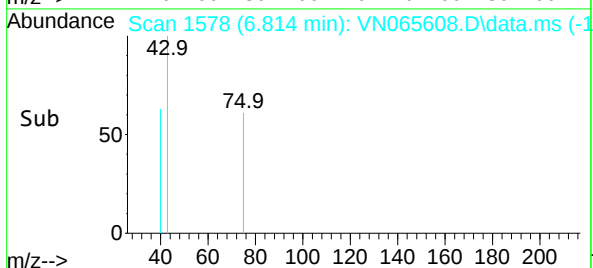
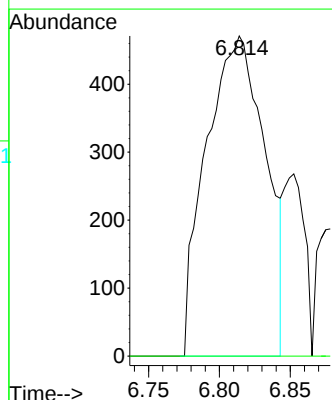
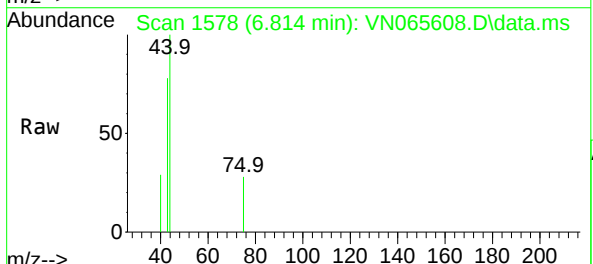
Instrument :
MSVOA_N
ClientSampled :
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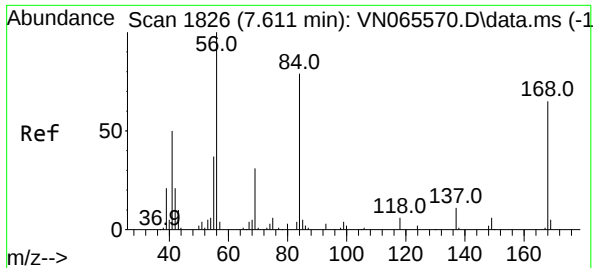
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 0.81 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.023 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

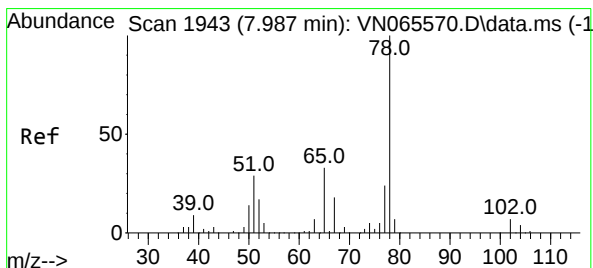
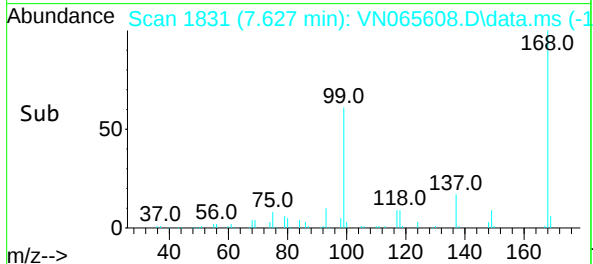
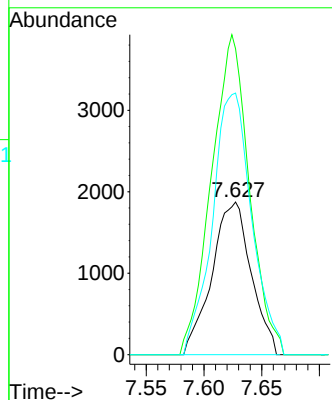
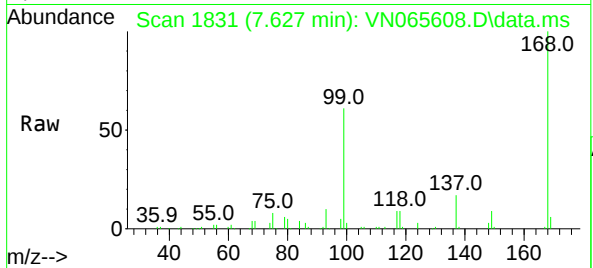




#31
Cyclohexane
Concen: 0.85 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

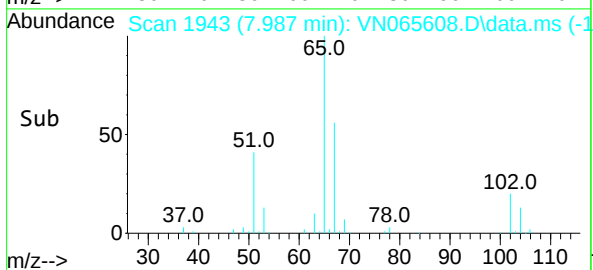
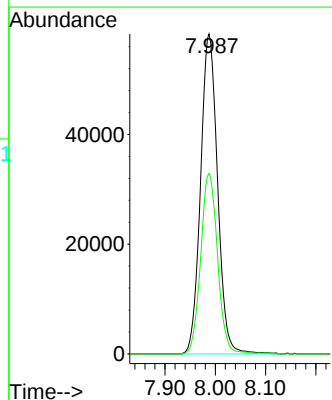
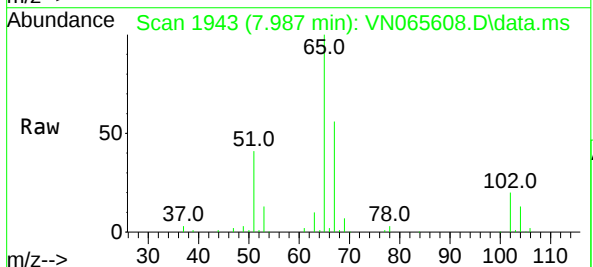
Instrument :
MSVOA_N
ClientSampleId :
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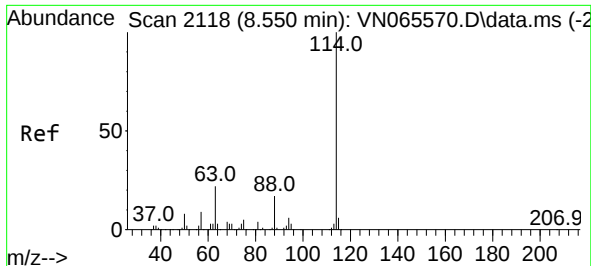
Tgt Ion: 56 Resp: 4439
Ion Ratio Lower Upper
56 100
69 200.5 26.6 39.8#
84 171.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.43 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 65 Resp: 137107
Ion Ratio Lower Upper
65 100
67 55.9 0.0 107.2

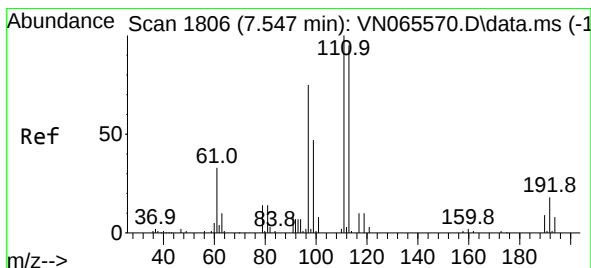
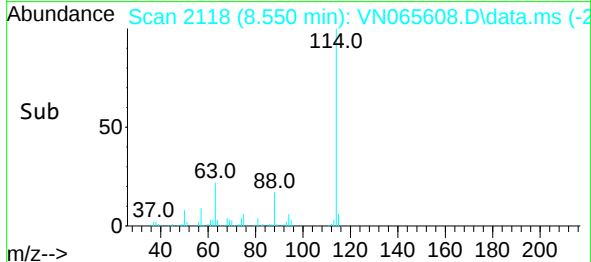
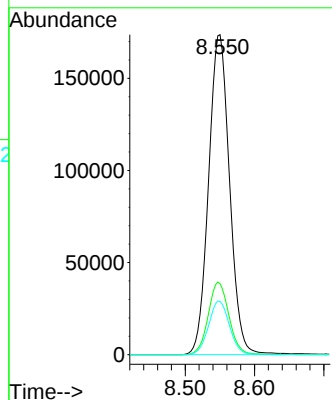
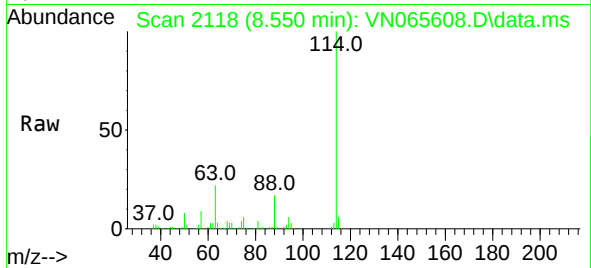




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

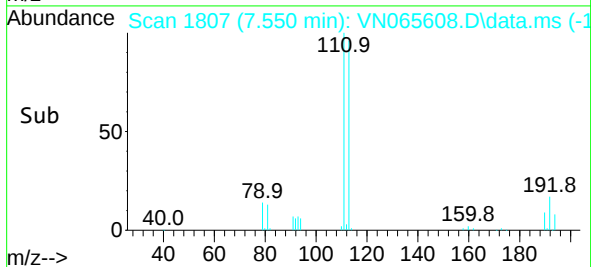
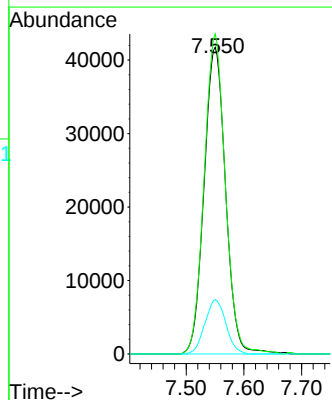
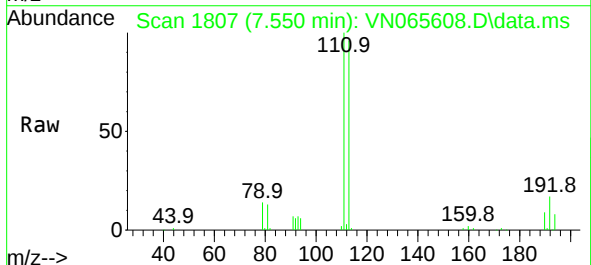
Instrument :
MSVOA_N
ClientSampled :
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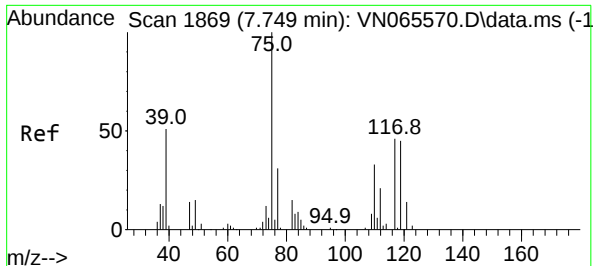
Tgt Ion:114 Resp: 364509
Ion Ratio Lower Upper
114 100
63 22.2 0.0 38.6
88 16.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.97 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion:113 Resp: 107931
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 17.3 15.4 23.0

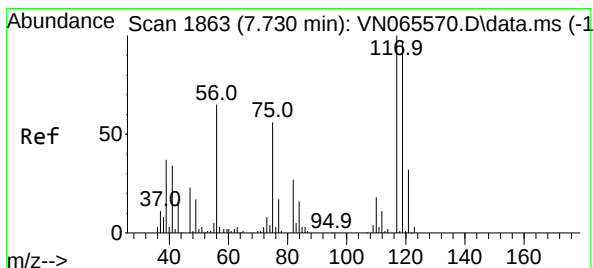
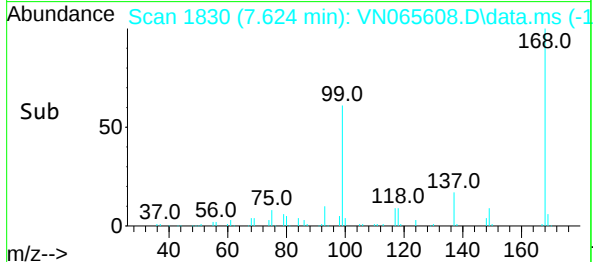
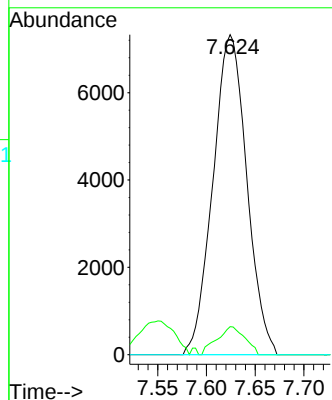
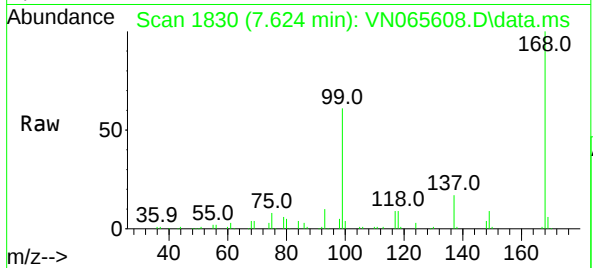




#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

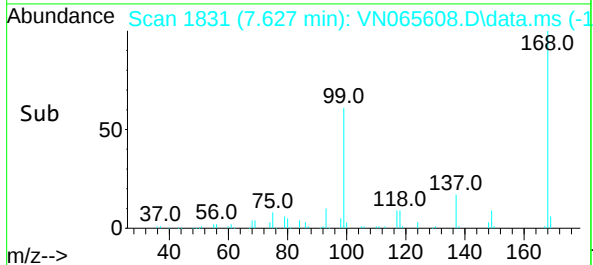
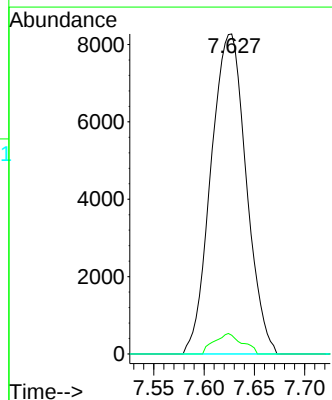
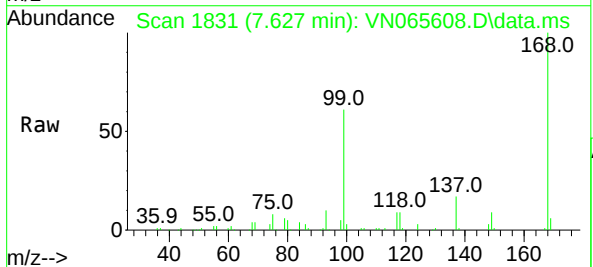
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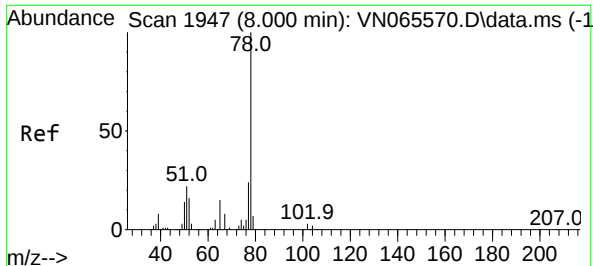
Tgt Ion: 75 Resp: 17716
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.68 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.103 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 117 Resp: 20180
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

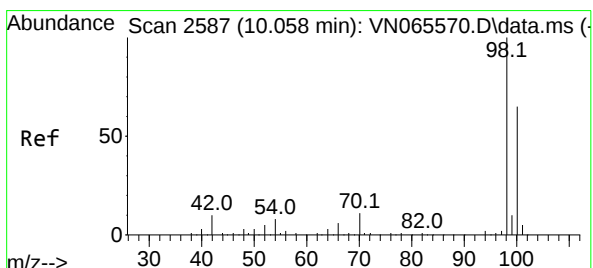
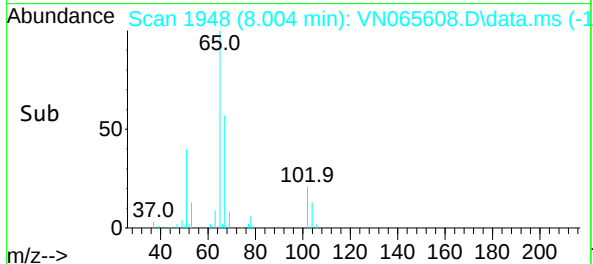
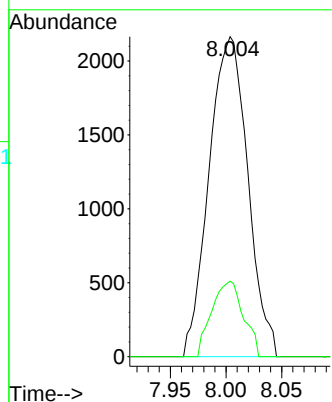
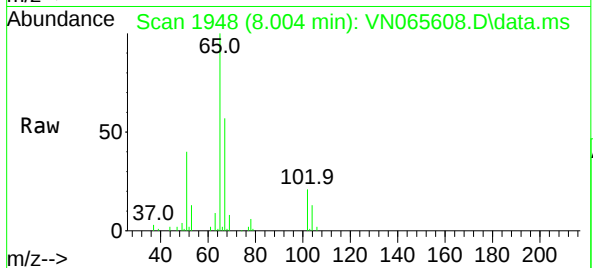




#40
Benzene
Concen: 0.47 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. 0.004 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

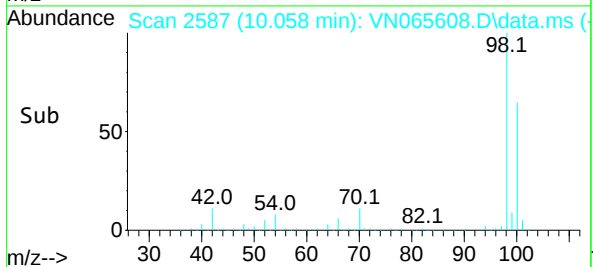
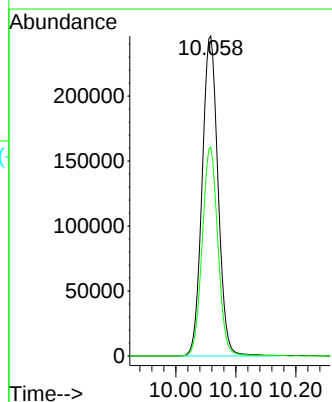
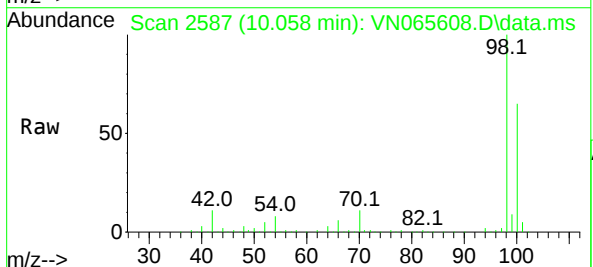
Instrument :
MSVOA_N
ClientSampled :
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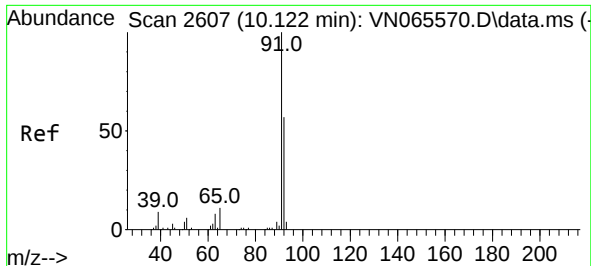
Tgt Ion: 78 Resp: 5239
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



#50
Toluene-d8
Concen: 53.62 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 98 Resp: 455278
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

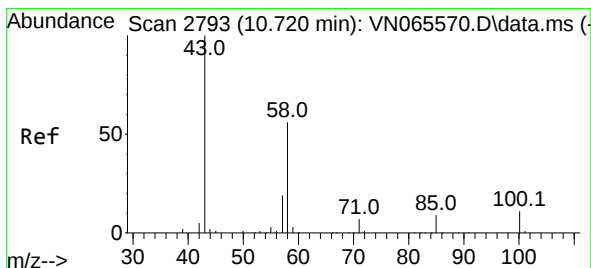
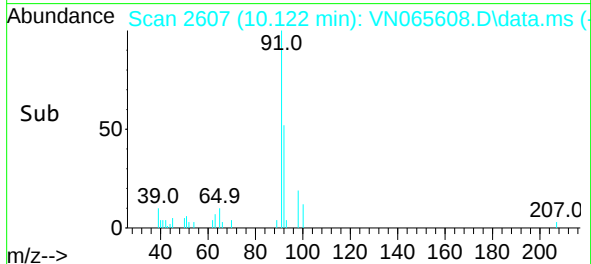
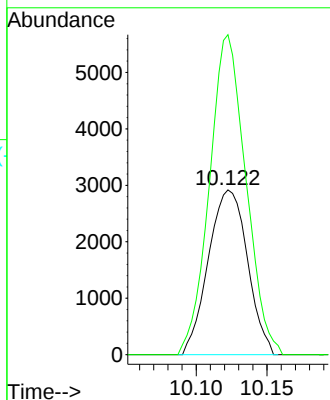
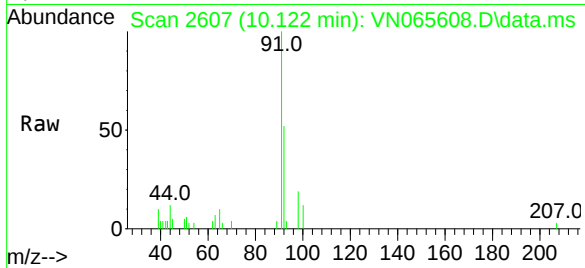




#52
Toluene
Concen: 0.84 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

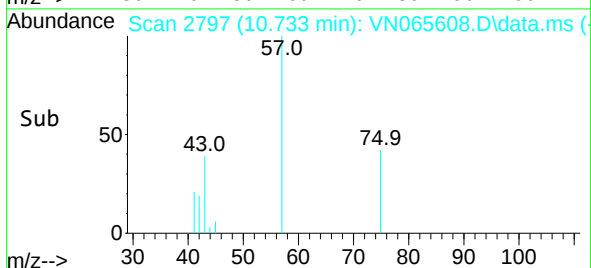
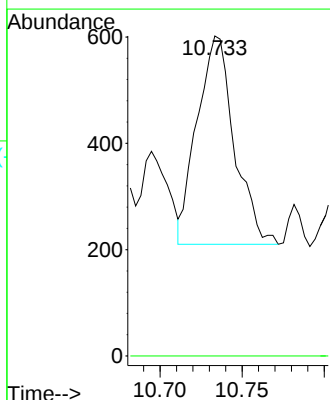
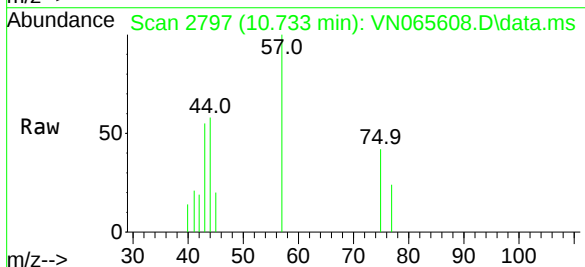
Instrument :
MSVOA_N
ClientSampled :
237

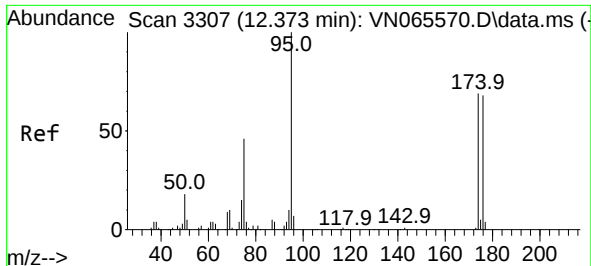
Tgt Ion: 92 Resp: 5602
Ion Ratio Lower Upper
92 100
91 181.0 140.7 211.1



#59
2-Hexanone
Concen: 0.26 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

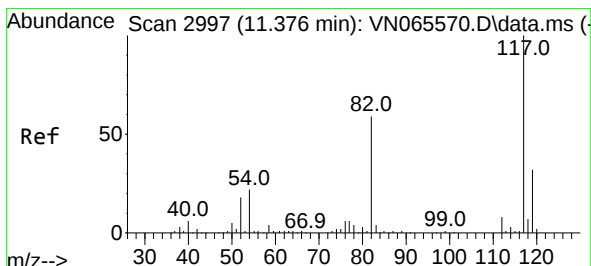
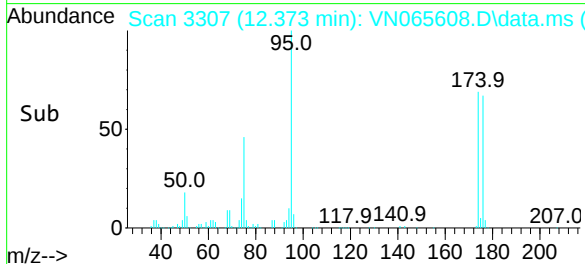
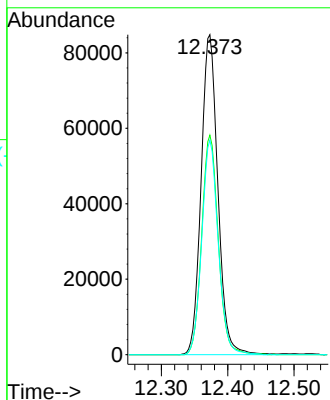
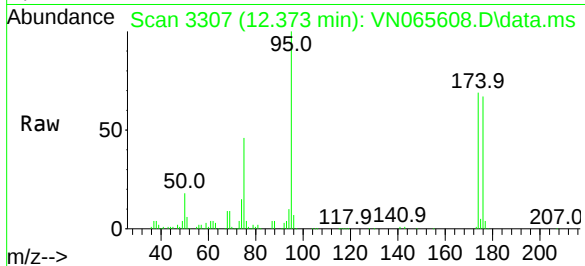




#62
4-Bromofluorobenzene
Concen: 48.67 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

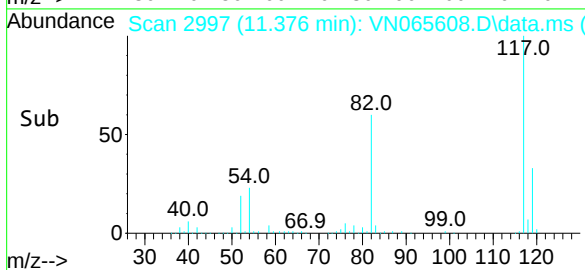
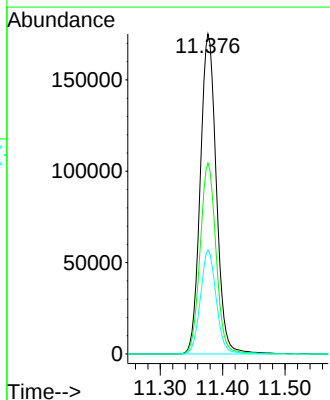
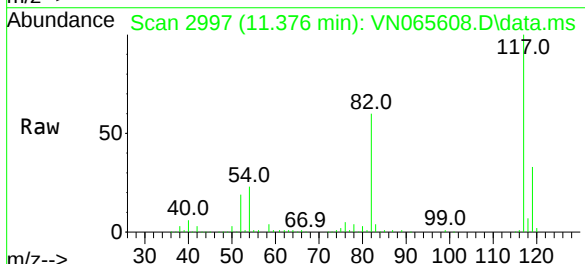
Instrument :
MSVOA_N
ClientSampled :
237

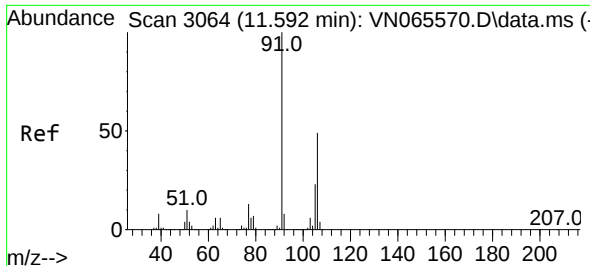
Tgt Ion: 95 Resp: 148815
Ion Ratio Lower Upper
95 100
174 67.7 0.0 169.0
176 65.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 117 Resp: 313762
Ion Ratio Lower Upper
117 100
82 59.7 43.7 65.5
119 32.6 26.1 39.1

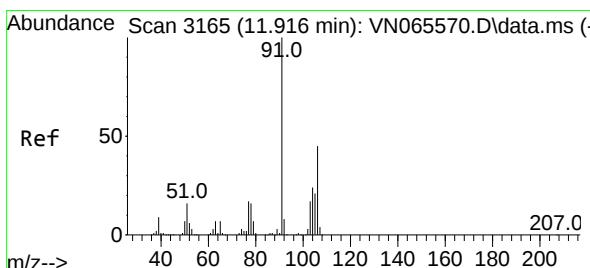
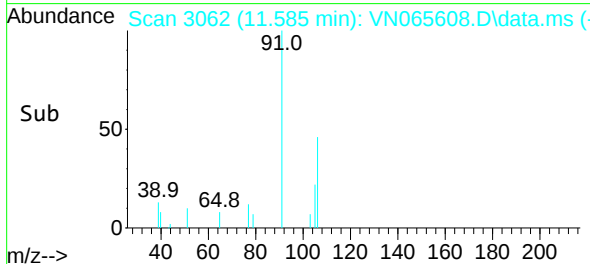
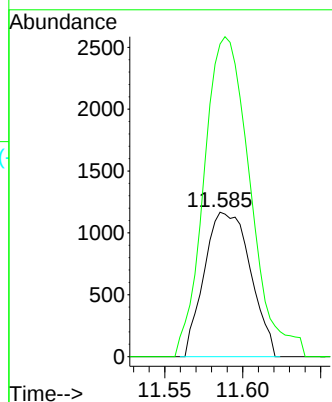
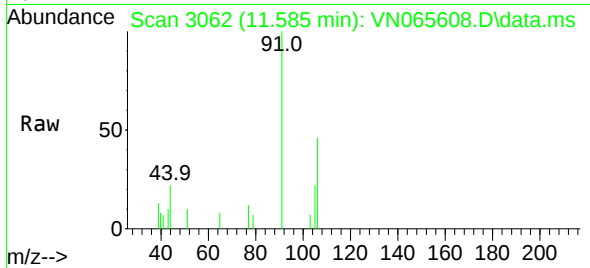




#68
m/p-Xylenes
Concen: 0.54 ug/l
RT: 11.585 min Scan# 3062
Delta R.T. -0.007 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

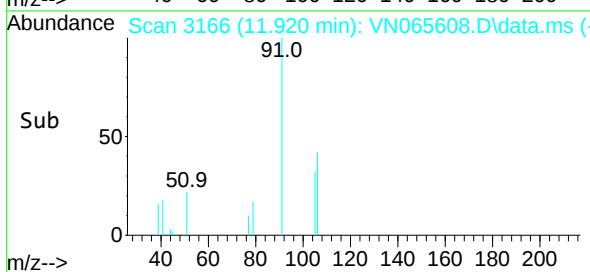
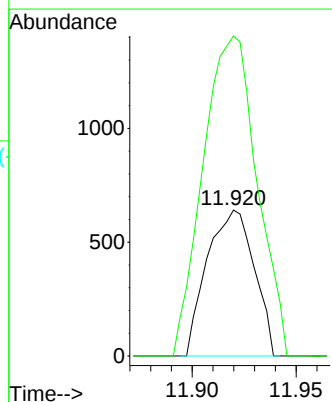
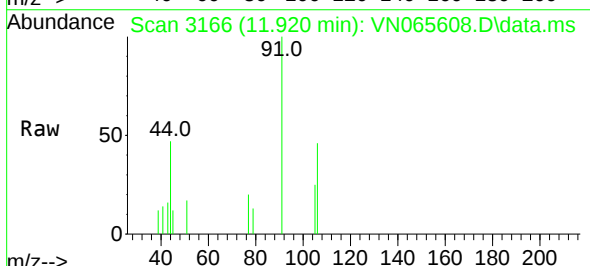
Instrument :
MSVOA_N
ClientSampled :
237

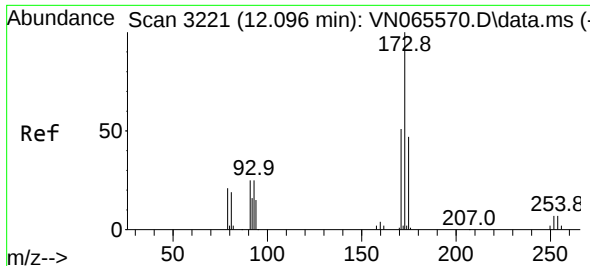
Tgt Ion:106 Resp: 2397
Ion Ratio Lower Upper
106 100
91 220.9 161.4 242.0



#69
o-Xylene
Concen: 0.23 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.004 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

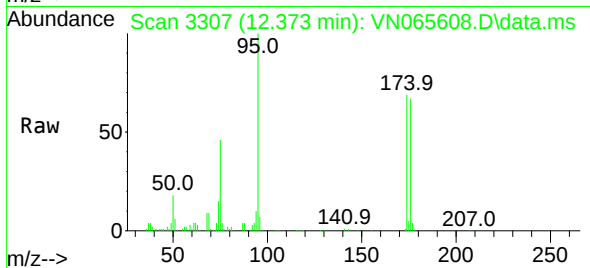
Tgt Ion:106 Resp: 1009
Ion Ratio Lower Upper
106 100
91 251.7 106.8 320.4



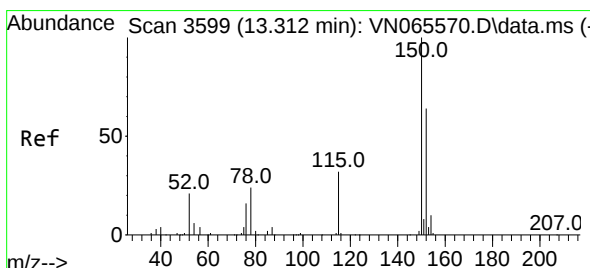
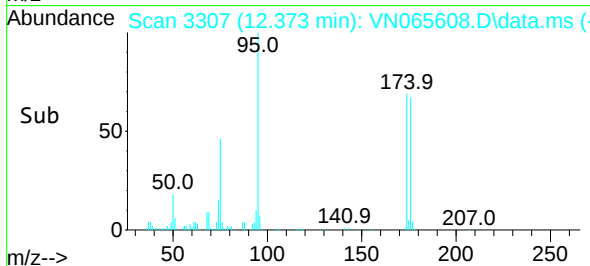
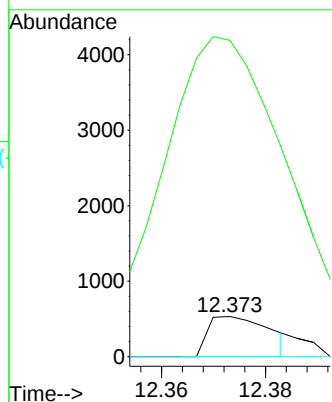


#71
Bromoform
Concen: 0.27 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Instrument :
MSVOA_N
ClientSampled :
237

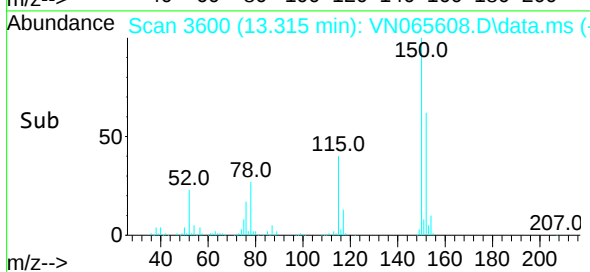
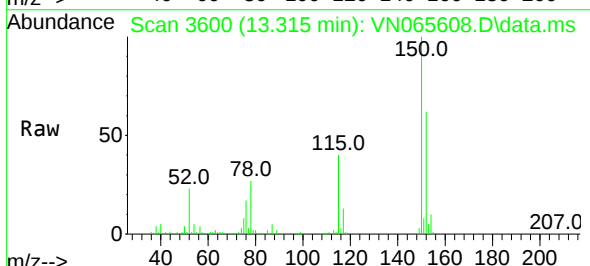
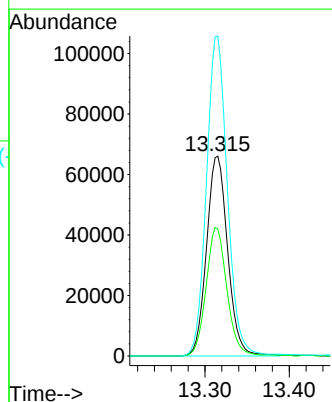


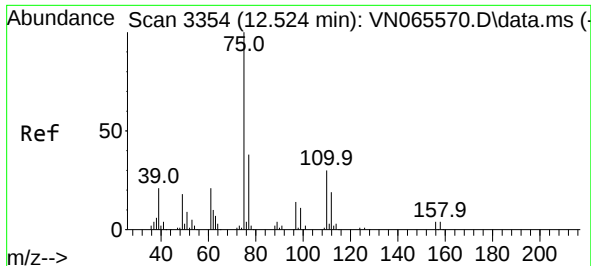
Tgt Ion:173 Resp: 435
Ion Ratio Lower Upper
173 100
175 1422.1 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion:152 Resp: 115485
Ion Ratio Lower Upper
152 100
115 62.9 28.5 85.6
150 158.8 0.0 347.6

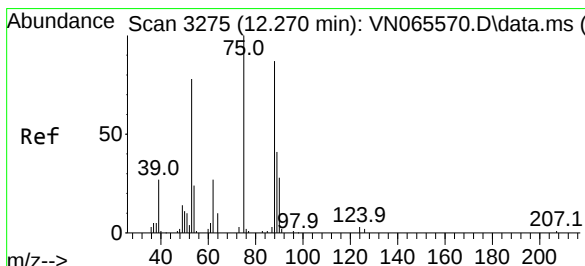
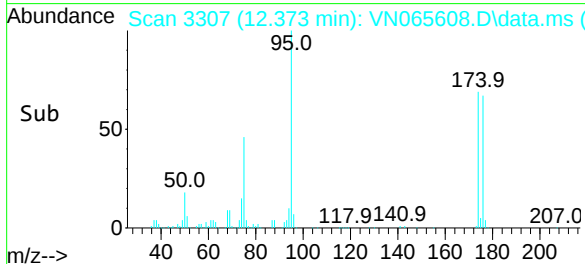
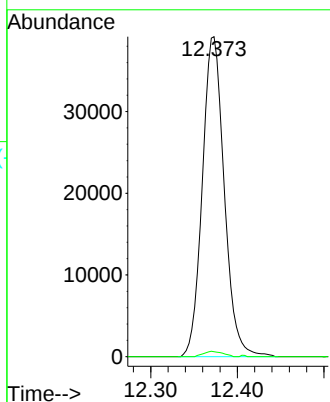
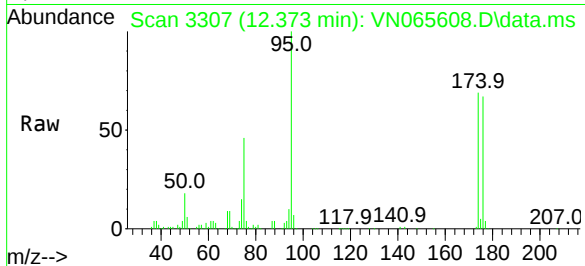




#76
1,2,3-Trichloropropane
Concen: 22.81 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

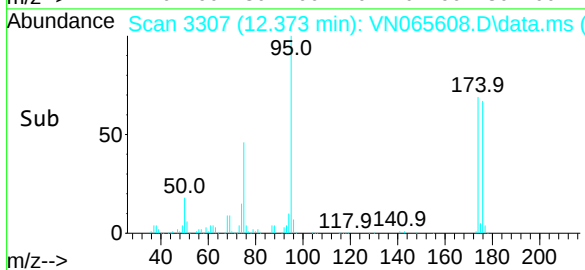
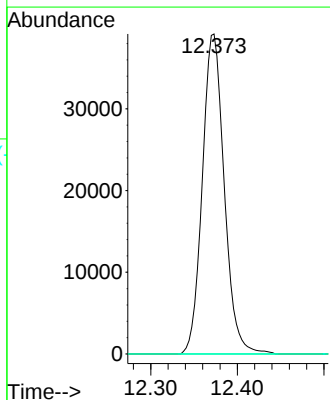
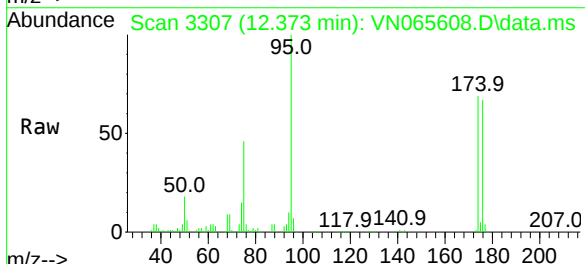
Instrument :
MSVOA_N
ClientSampled :
237

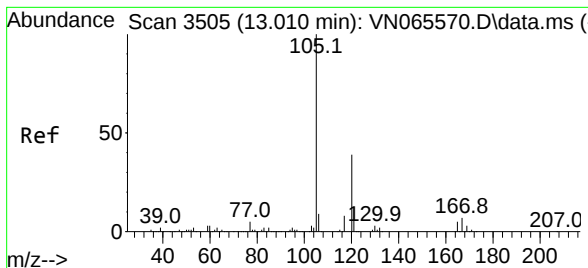
Tgt Ion: 75 Resp: 68894
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.43 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion: 75 Resp: 68894
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

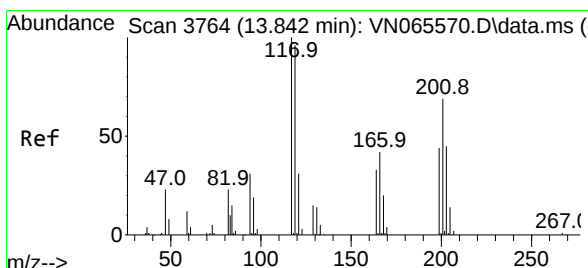
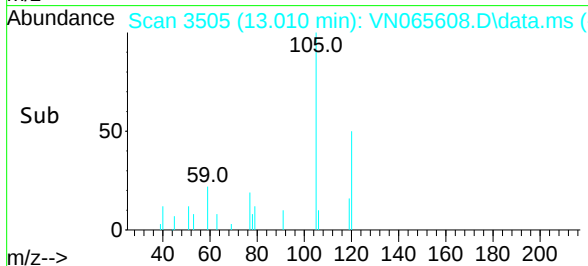
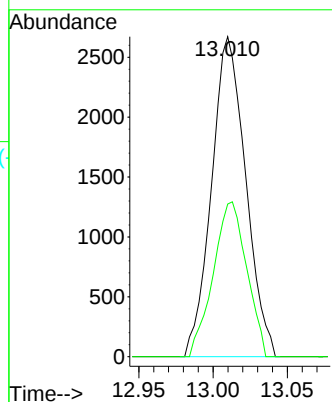
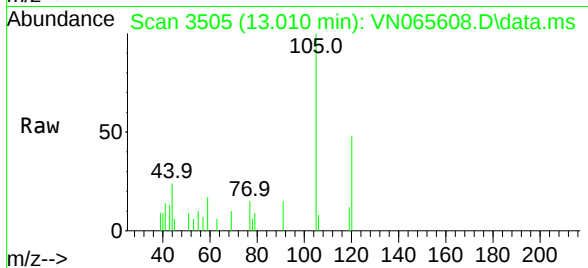




#84
1,2,4-Trimethylbenzene
Concen: 0.50 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

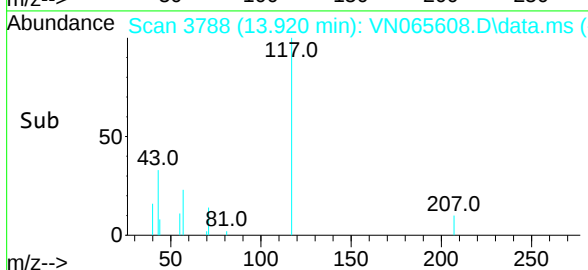
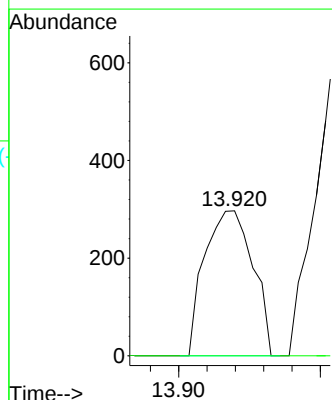
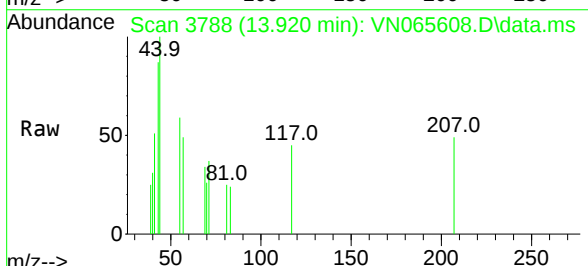
Instrument :
MSVOA_N
ClientSampled :
237

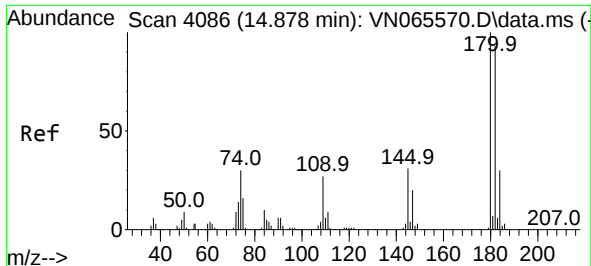
Tgt Ion:105 Resp: 4272
Ion Ratio Lower Upper
105 100
120 47.4 22.4 67.0



#90
Hexachloroethane
Concen: 0.24 ug/l
RT: 13.920 min Scan# 3788
Delta R.T. 0.078 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

Tgt Ion:117 Resp: 352
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

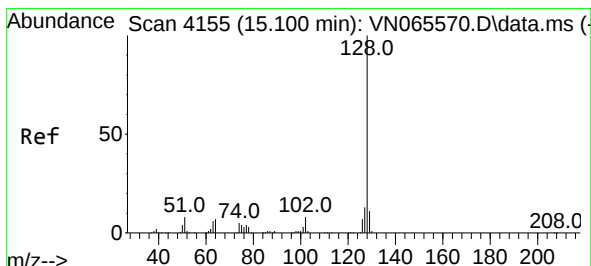
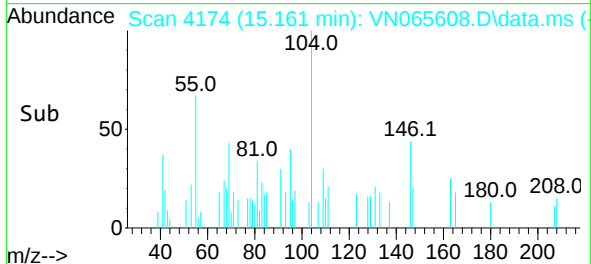
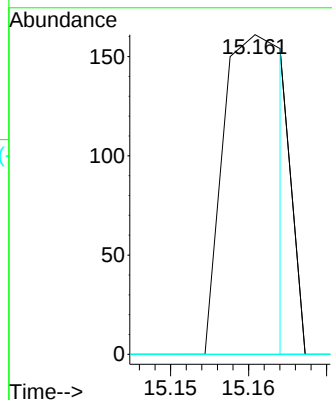
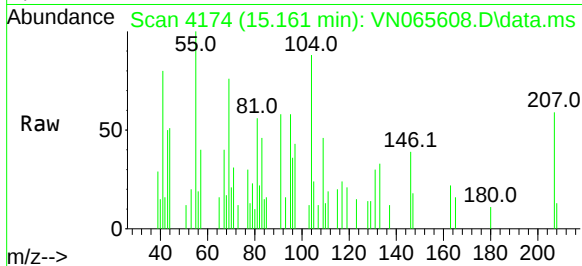




#93
1,2,4-Trichlorobenzene
Concen: 3.40 ug/l
RT: 15.161 min Scan# 4174
Delta R.T. 0.283 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

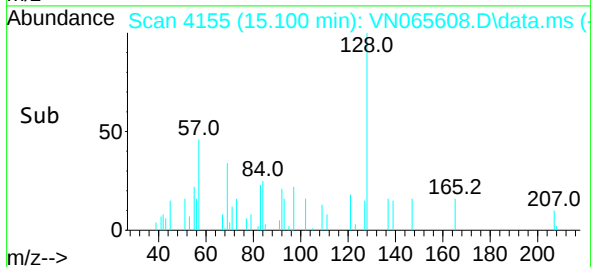
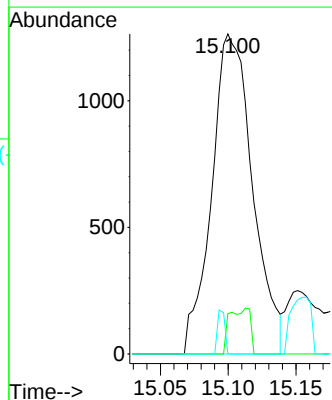
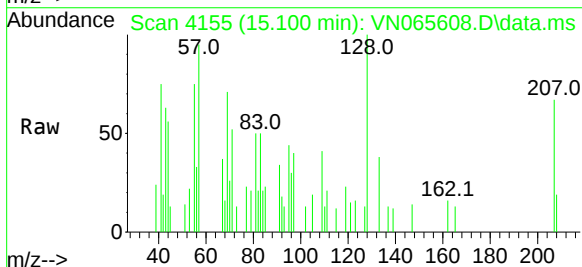
Instrument :
MSVOA_N
ClientSampled :
237

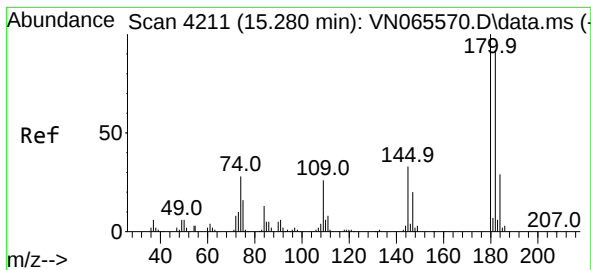
Tgt Ion:180 Resp: 90
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 3.78 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065608.D
Acq: 26 Jan 2021 16:51

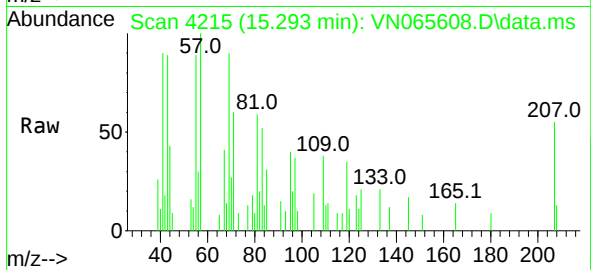
Tgt Ion:128 Resp: 2655
Ion Ratio Lower Upper
128 100
127 7.3 10.2 15.2#
129 2.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.87 ug/l
 RT: 15.293 min Scan# 4215
 Delta R.T. 0.013 min
 Lab File: VN065608.D
 Acq: 26 Jan 2021 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 237



Tgt Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.3#
 145 0.0 16.5 49.5#

