

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
 Data File : VN065702.D
 Acq On : 3 Feb 2021 15:51
 Operator : JC/MD
 Sample : VN0203WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBL01

Quant Time: Feb 04 04:18:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

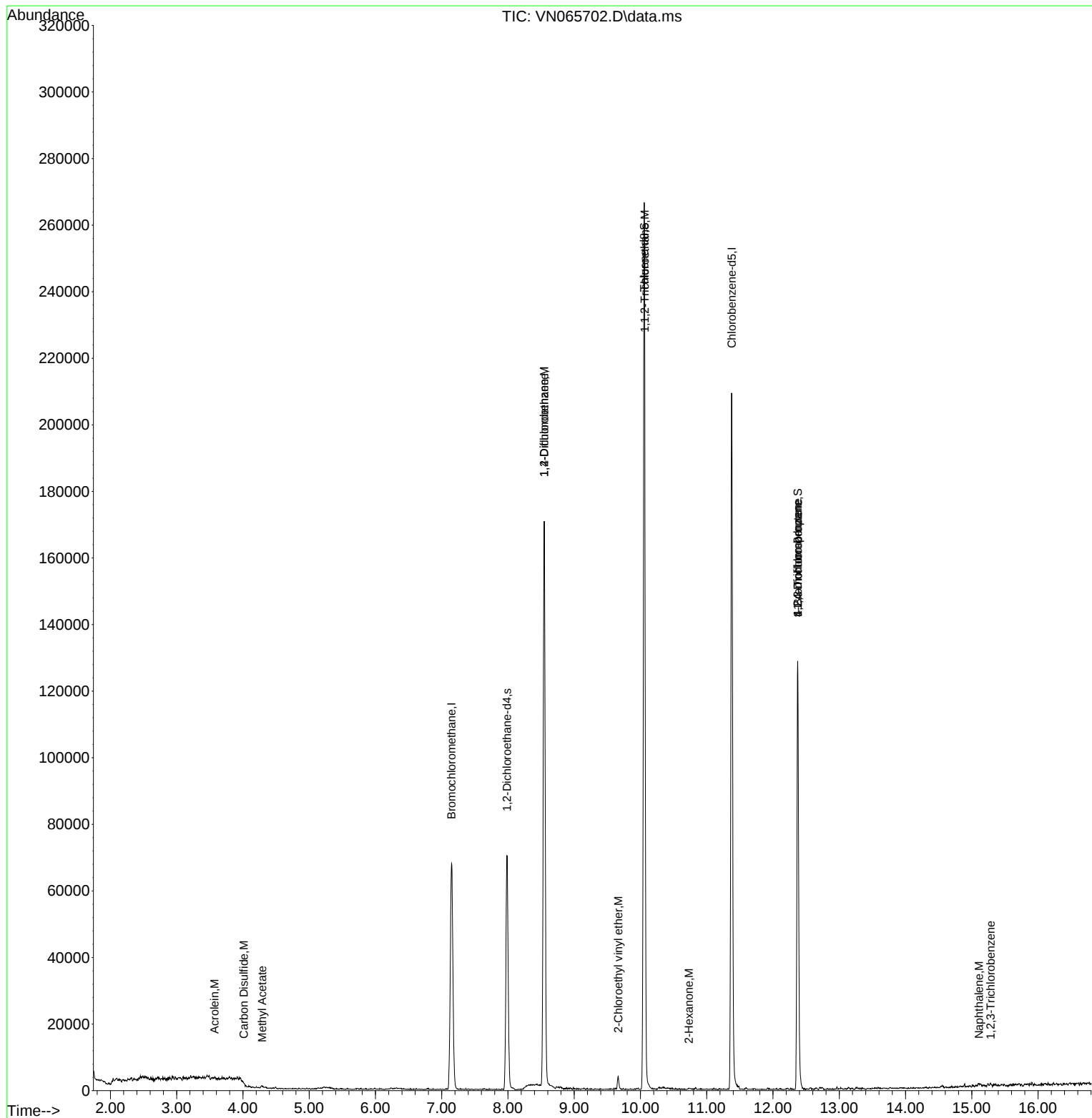
Internal Standards						
1) Bromochloromethane	7.148	128	27320	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	157889	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	131356	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	59845	31.58	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	105.27%		
60) 4-Bromofluorobenzene	12.373	95	55152	25.81	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	86.03%		
63) Toluene-d8	10.058	98	197229	31.23	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.10%		
Target Compounds						
						Qvalue
12) Methyl Acetate	4.290	43	876	0.45	ug/l #	50
13) Acrolein	3.570	56	235	0.90	ug/l #	72
16) Carbon Disulfide	4.013	76	1574	0.31	ug/l #	73
36) 1,2-Dichloroethane	8.547	62	4748	2.01	ug/l #	74
50) 1,1,2-Trichloroethane	10.065	97	6338	3.57	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.666	63	1866	1.47	ug/l #	90
59) 2-Hexanone	10.730	43	502	0.32	ug/l #	32
72) 1,2,3-Trichloropropane	12.373	75	25204	11.45	ug/l	1
77) t-1,4-Dichloro-2-butene	12.373	75	25204	29.33	ug/l #	14
91) Naphthalene	15.109	128	1363	0.27	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.286	180	454	0.29	ug/l #	74

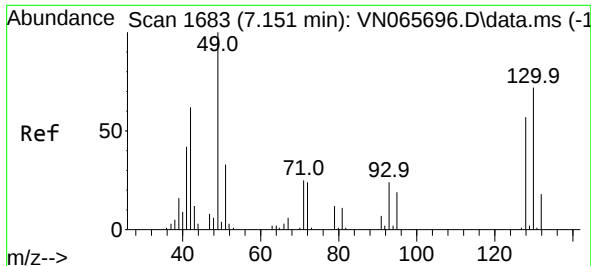
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020321\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

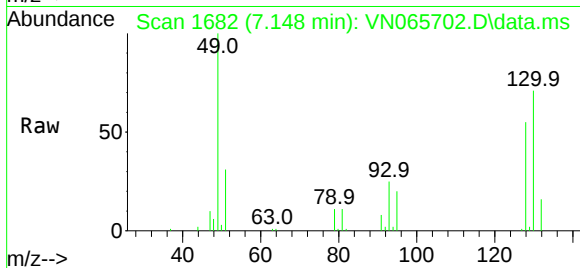
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
Response via : Initial Calibration



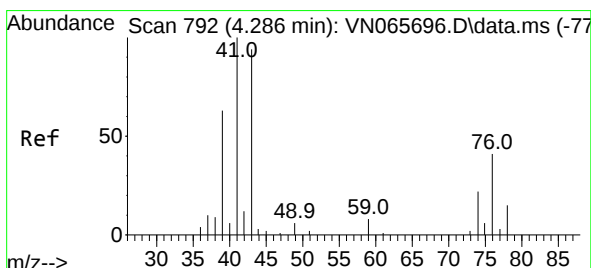
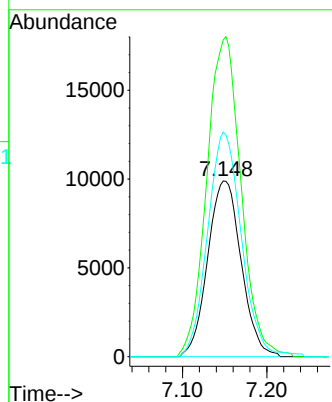
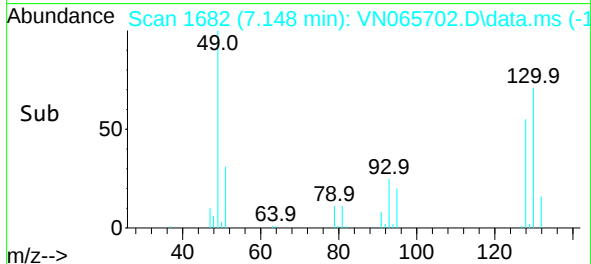


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.148 min Scan# 1682
Delta R.T. -0.003 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

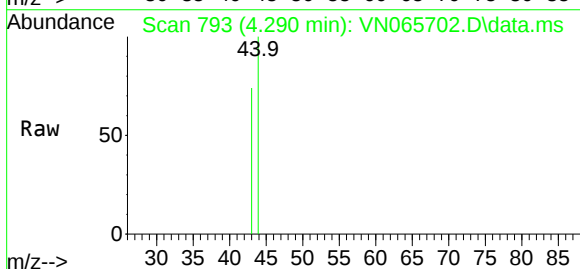
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01



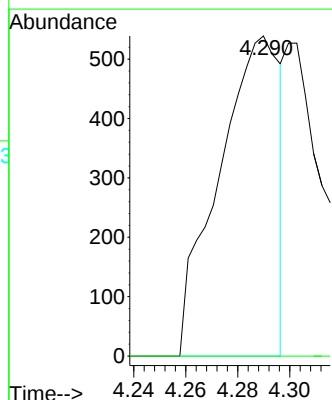
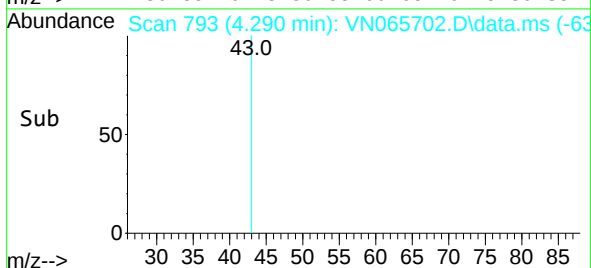
Tgt Ion:128 Resp: 27320
Ion Ratio Lower Upper
128 100
49 185.5 0.0 355.0
130 127.7 0.0 325.5

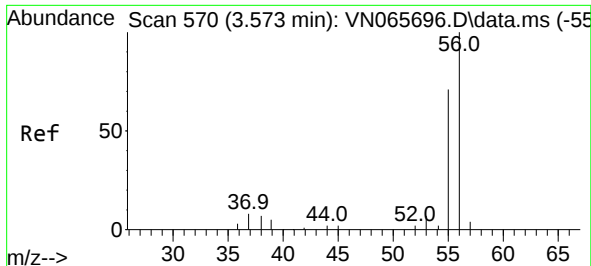


#12
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.003 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51



Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

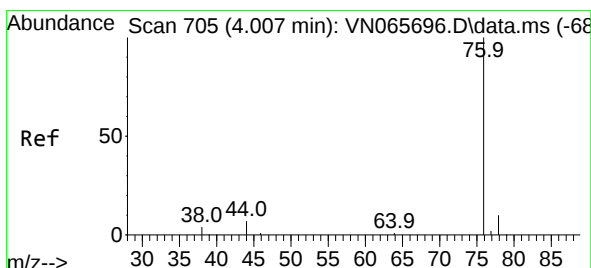
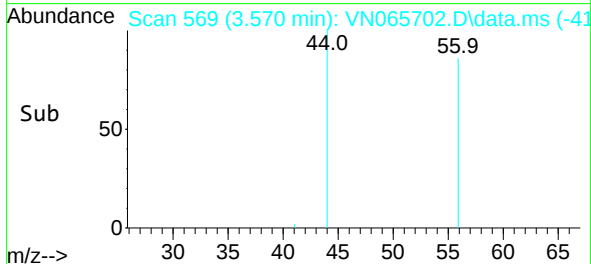
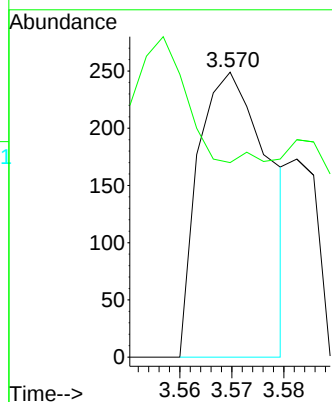
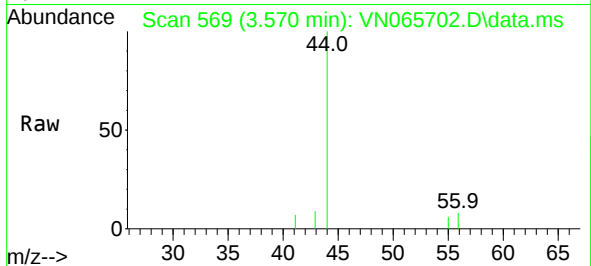




#13
Acrolein
Concen: 0.90 ug/l
RT: 3.570 min Scan# 569
Delta R.T. -0.003 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

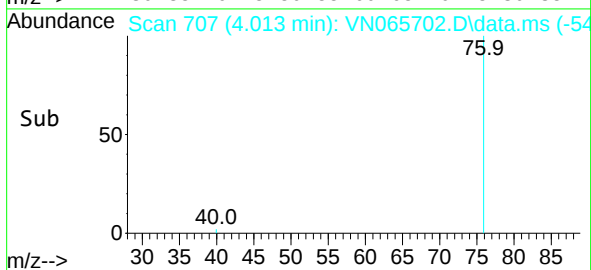
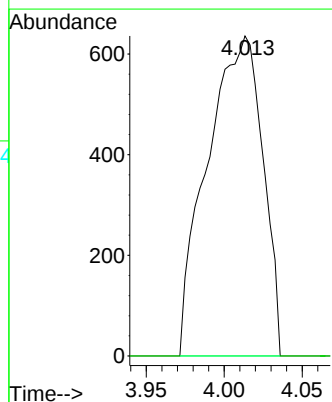
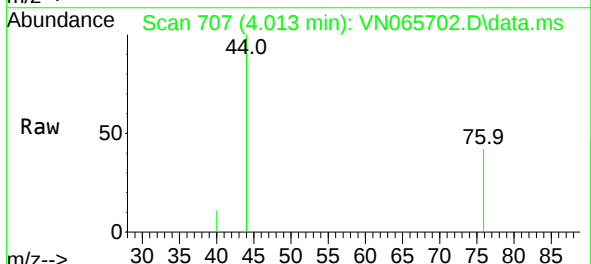
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

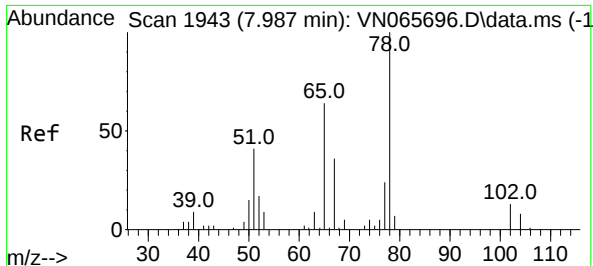
Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 48.9 57.7 86.5#



#16
Carbon Disulfide
Concen: 0.31 ug/l
RT: 4.013 min Scan# 707
Delta R.T. 0.007 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 76 Resp: 1574
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



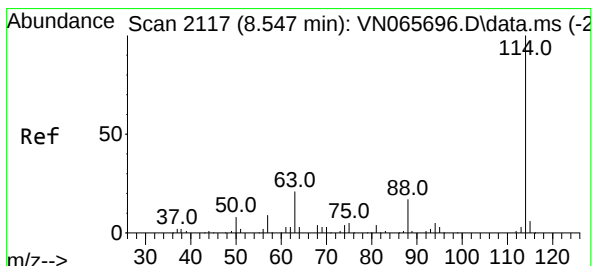
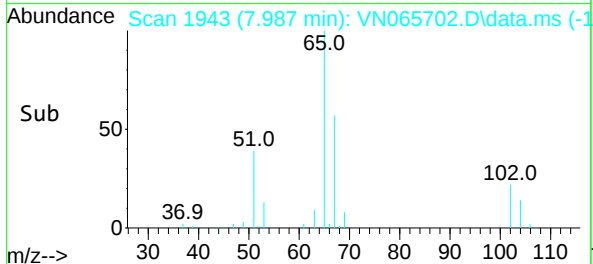
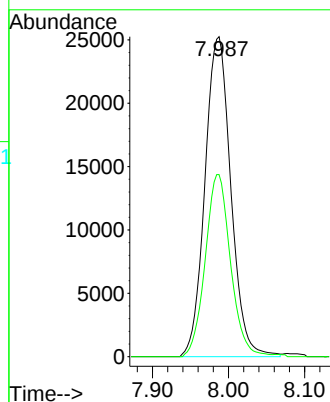
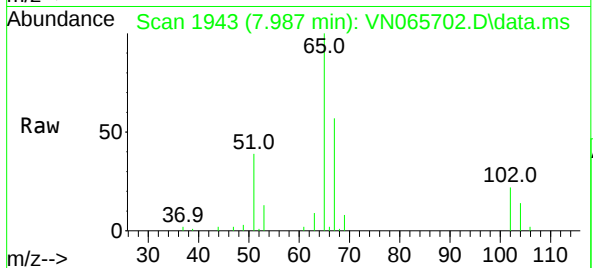


#27

1,2-Dichloroethane-d4
Concen: 31.58 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

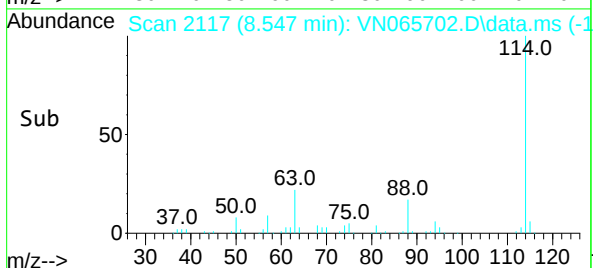
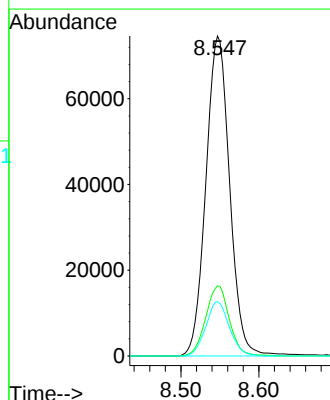
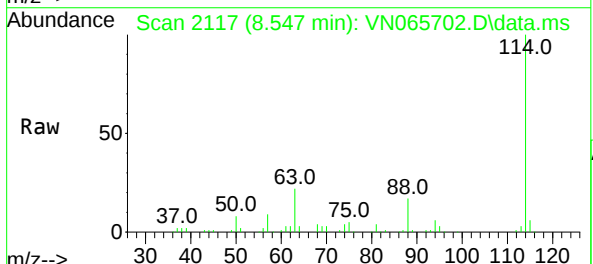
Tgt Ion: 65 Resp: 59845
Ion Ratio Lower Upper
65 100
67 55.4 42.8 64.2

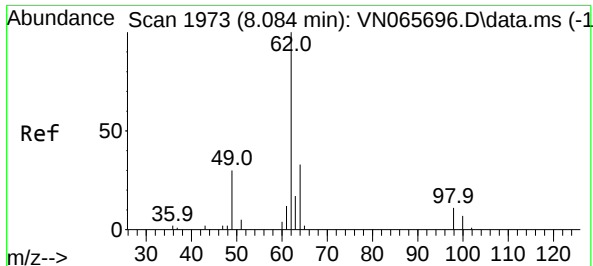


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 114 Resp: 157889
Ion Ratio Lower Upper
114 100
63 21.7 14.7 22.1
88 16.9 11.7 17.5

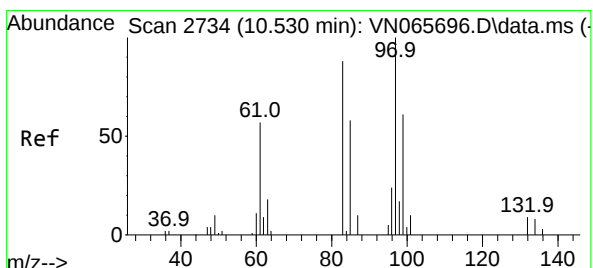
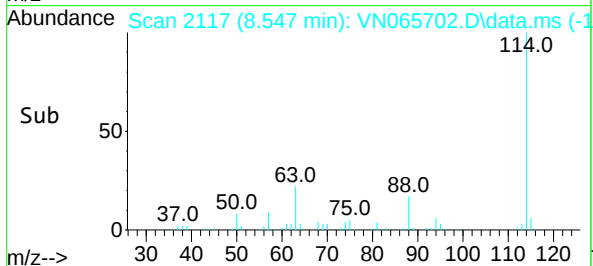
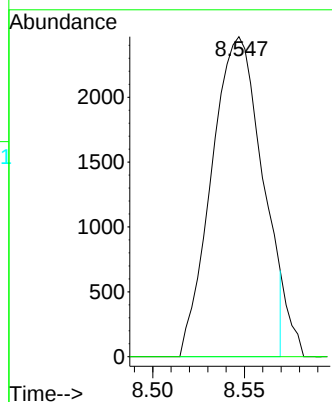
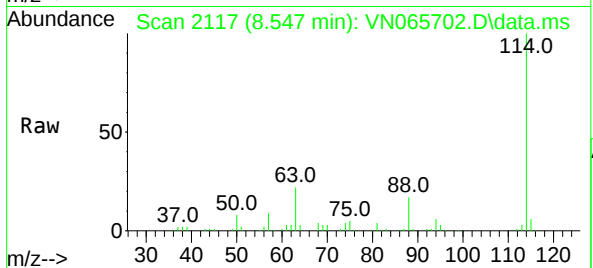




#36
1,2-Dichloroethane
Concen: 2.01 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.463 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

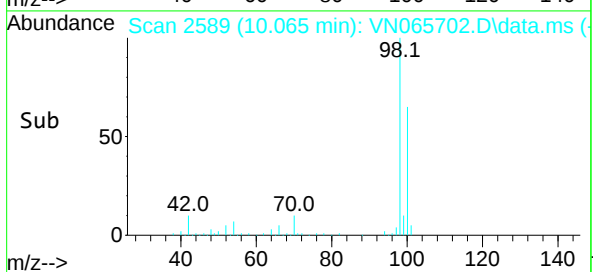
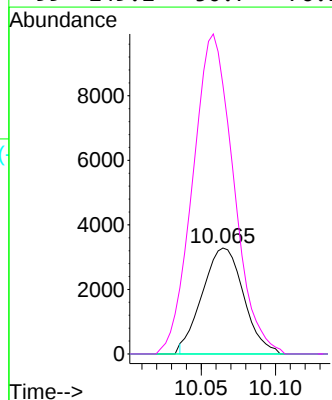
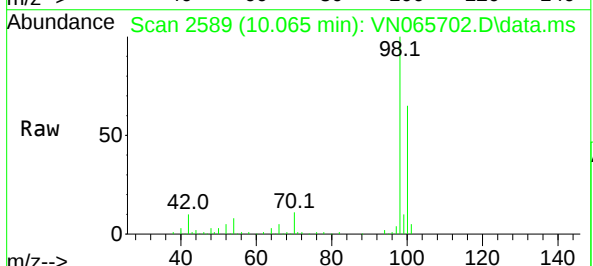
Instrument :
MSVOA_N
ClientSampled :
VN0203WBL01

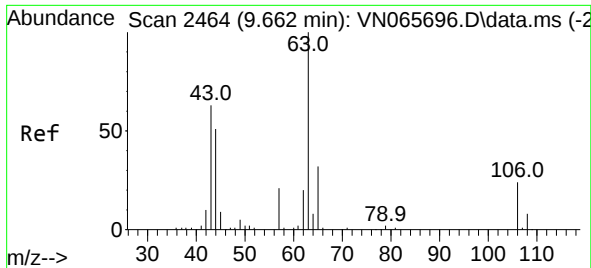
Tgt Ion: 62 Resp: 4748
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#50
1,1,2-Trichloroethane
Concen: 3.57 ug/l
RT: 10.065 min Scan# 2589
Delta R.T. -0.466 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 97 Resp: 6338
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 249.2 50.7 76.1#

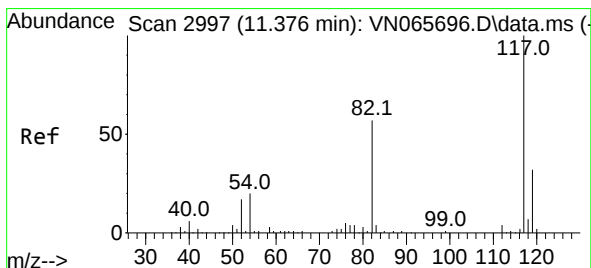
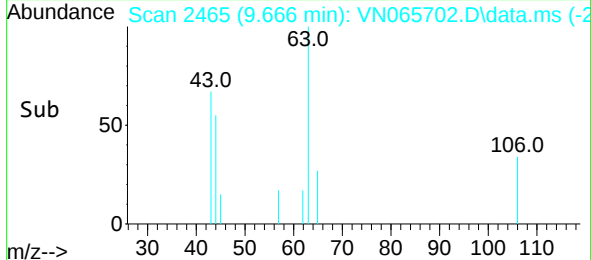
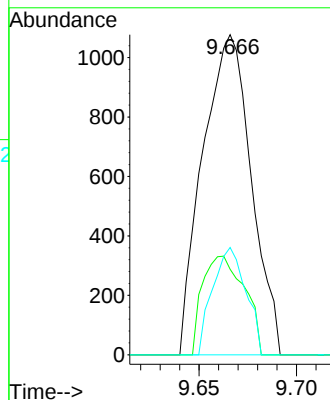
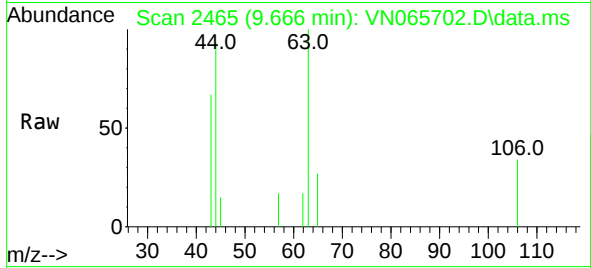




#55
2-Chloroethyl vinyl ether
Concen: 1.47 ug/l
RT: 9.666 min Scan# 2465
Delta R.T. 0.004 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

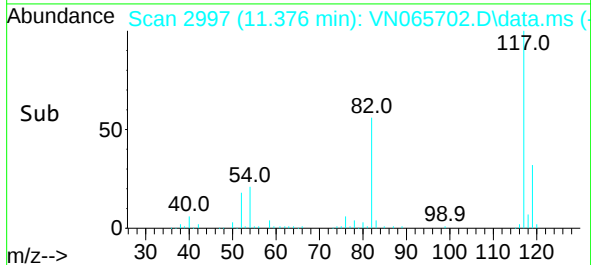
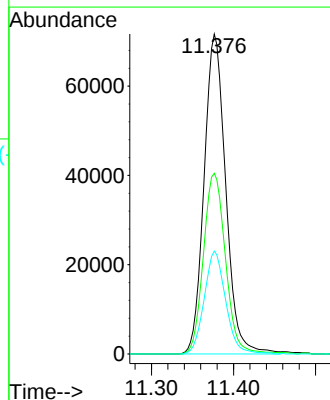
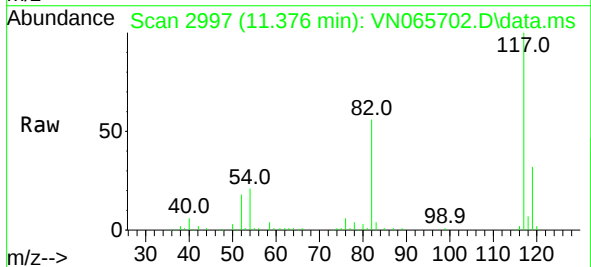
Instrument :
MSVOA_N
ClientSampled :
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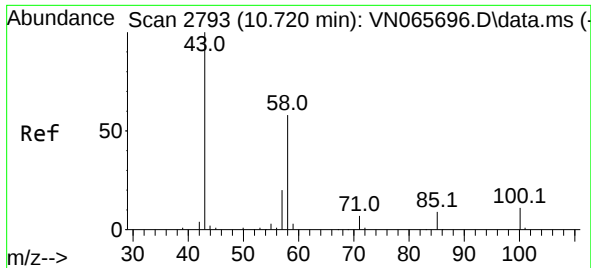
Tgt Ion: 63 Resp: 1866
Ion Ratio Lower Upper
63 100
65 26.7 25.7 38.5
106 22.9 23.1 34.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 117 Resp: 131356
Ion Ratio Lower Upper
117 100
82 57.5 41.3 61.9
119 31.8 25.7 38.5

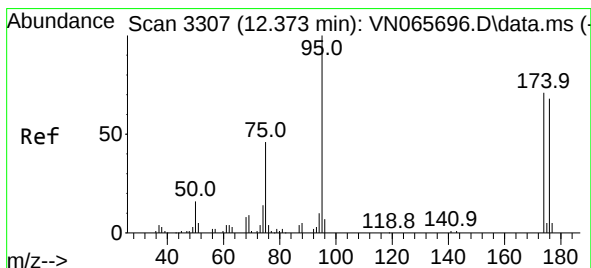
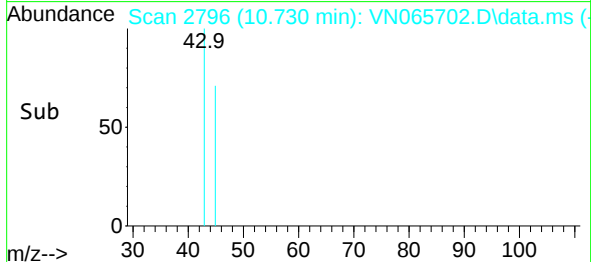
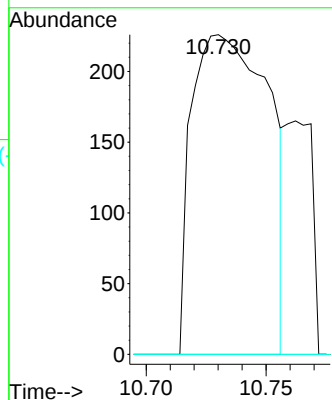
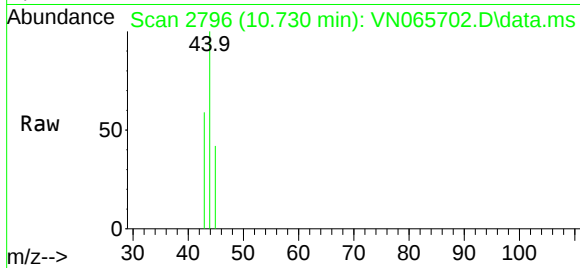




#59
2-Hexanone
Concen: 0.32 ug/l
RT: 10.730 min Scan# 2796
Delta R.T. 0.010 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

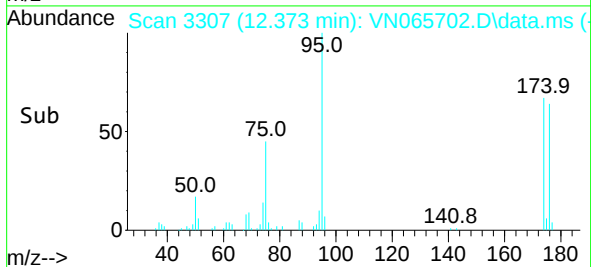
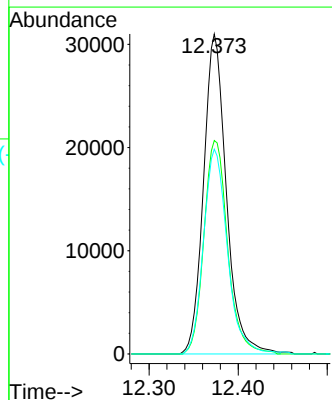
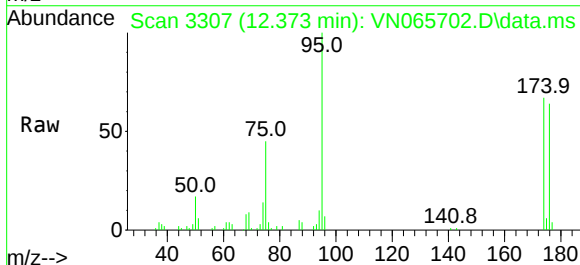
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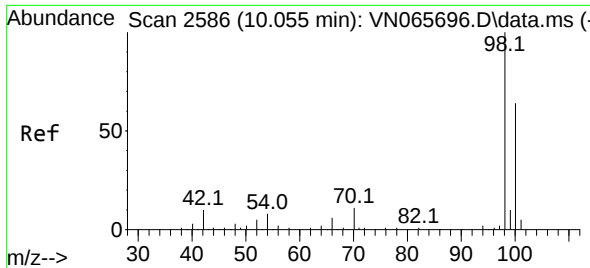
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 0.0 45.4 68.0#
57 0.0 15.8 23.8#



#60
4-Bromofluorobenzene
Concen: 25.81 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 95 Resp: 55152
Ion Ratio Lower Upper
95 100
174 69.3 77.0 115.6#
176 66.9 75.8 113.6#

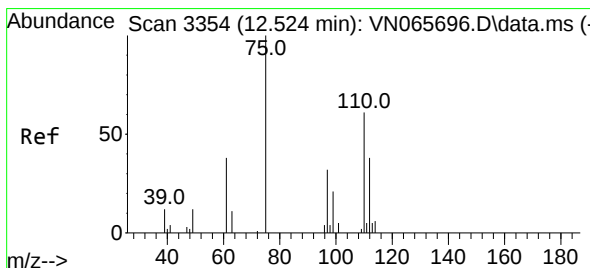
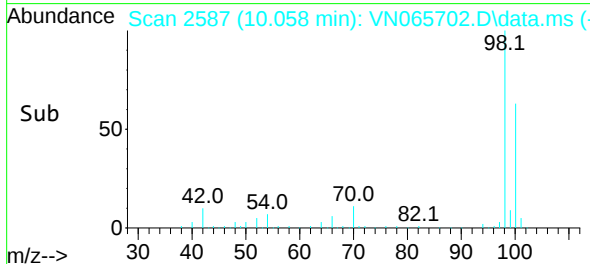
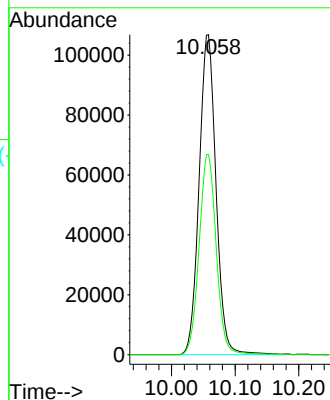
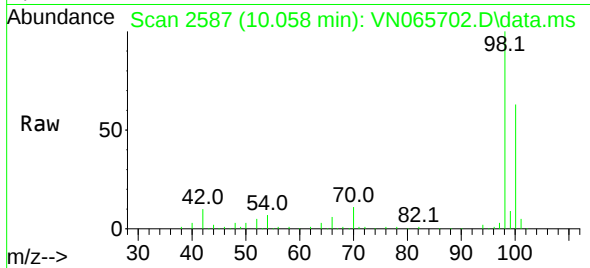




#63
Toluene-d8
Concen: 31.23 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.004 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

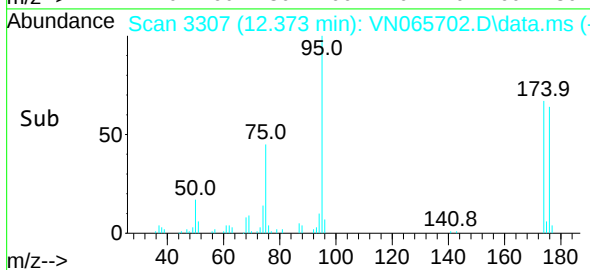
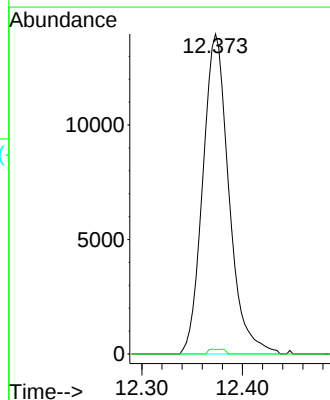
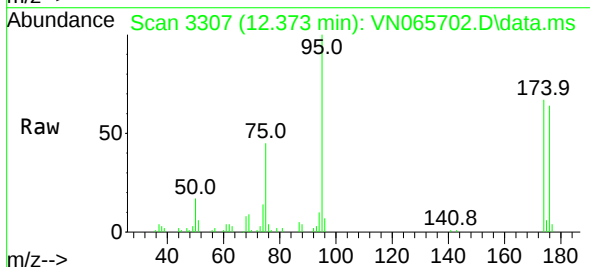
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

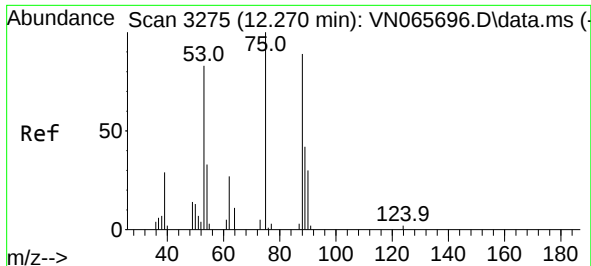
Tgt Ion: 98 Resp: 197229
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#72
1,2,3-Trichloropropane
Concen: 11.45 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

Tgt Ion: 75 Resp: 25204
Ion Ratio Lower Upper
75 100
77 0.5 0.0 366.4

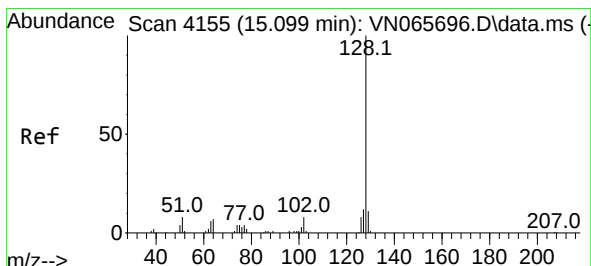
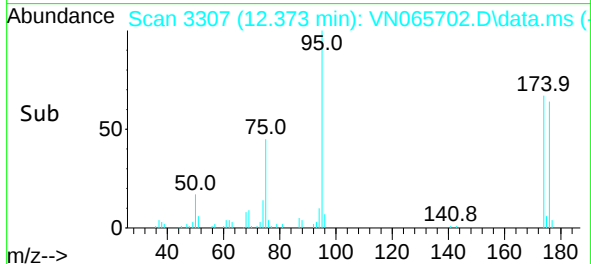
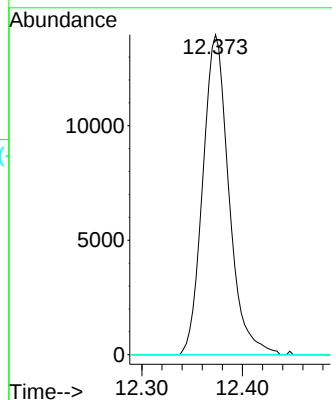
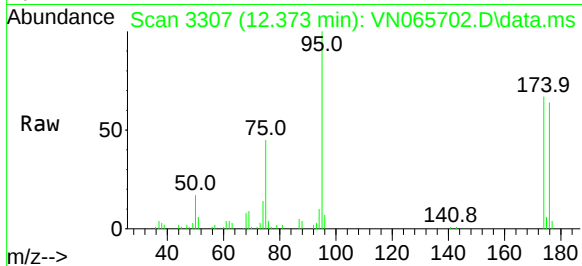




#77
t-1,4-Dichloro-2-butene
Concen: 29.33 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

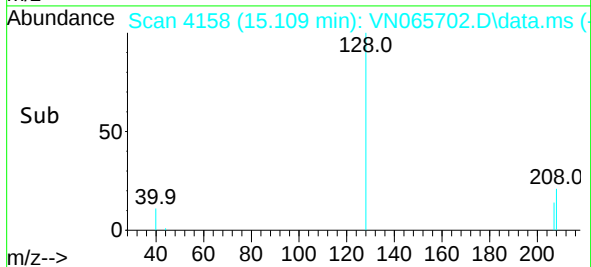
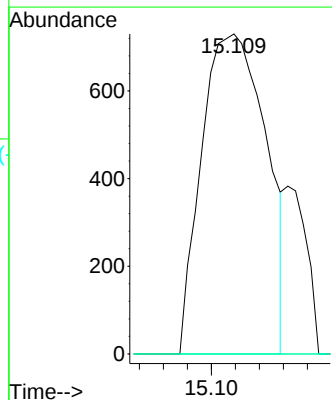
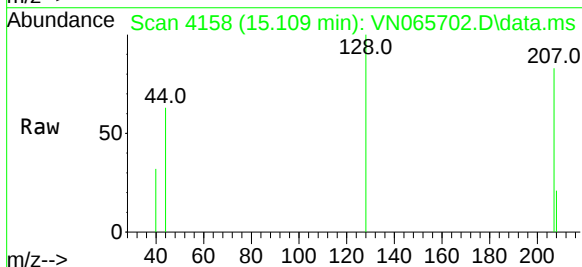
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

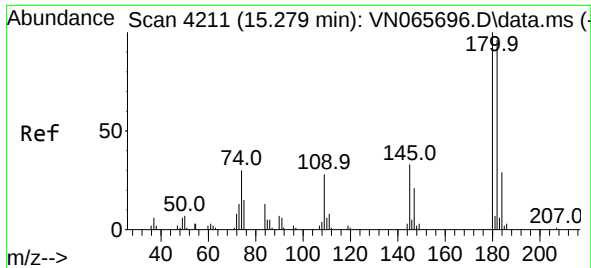
Tgt Ion: 75 Resp: 25204
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#91
Naphthalene
Concen: 0.27 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.010 min
Lab File: VN065702.D
Acq: 3 Feb 2021 15:51

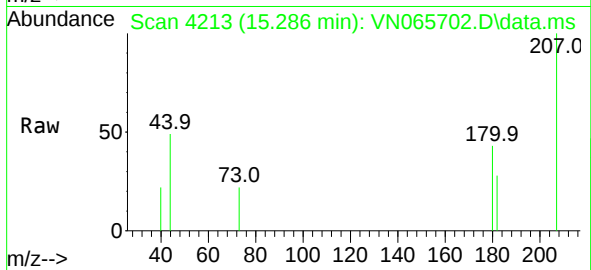
Tgt Ion: 128 Resp: 1363
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 15.286 min Scan# 4213
 Delta R.T. 0.007 min
 Lab File: VN065702.D
 Acq: 3 Feb 2021 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBL01



Tgt Ion:180 Resp: 454
 Ion Ratio Lower Upper
 180 100
 182 78.4 0.0 190.4
 145 0.0 0.0 57.8

