

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067600.D
 Acq On : 1 Jul 2021 16:43
 Operator : JC/MD
 Sample : M2861-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 06:47:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

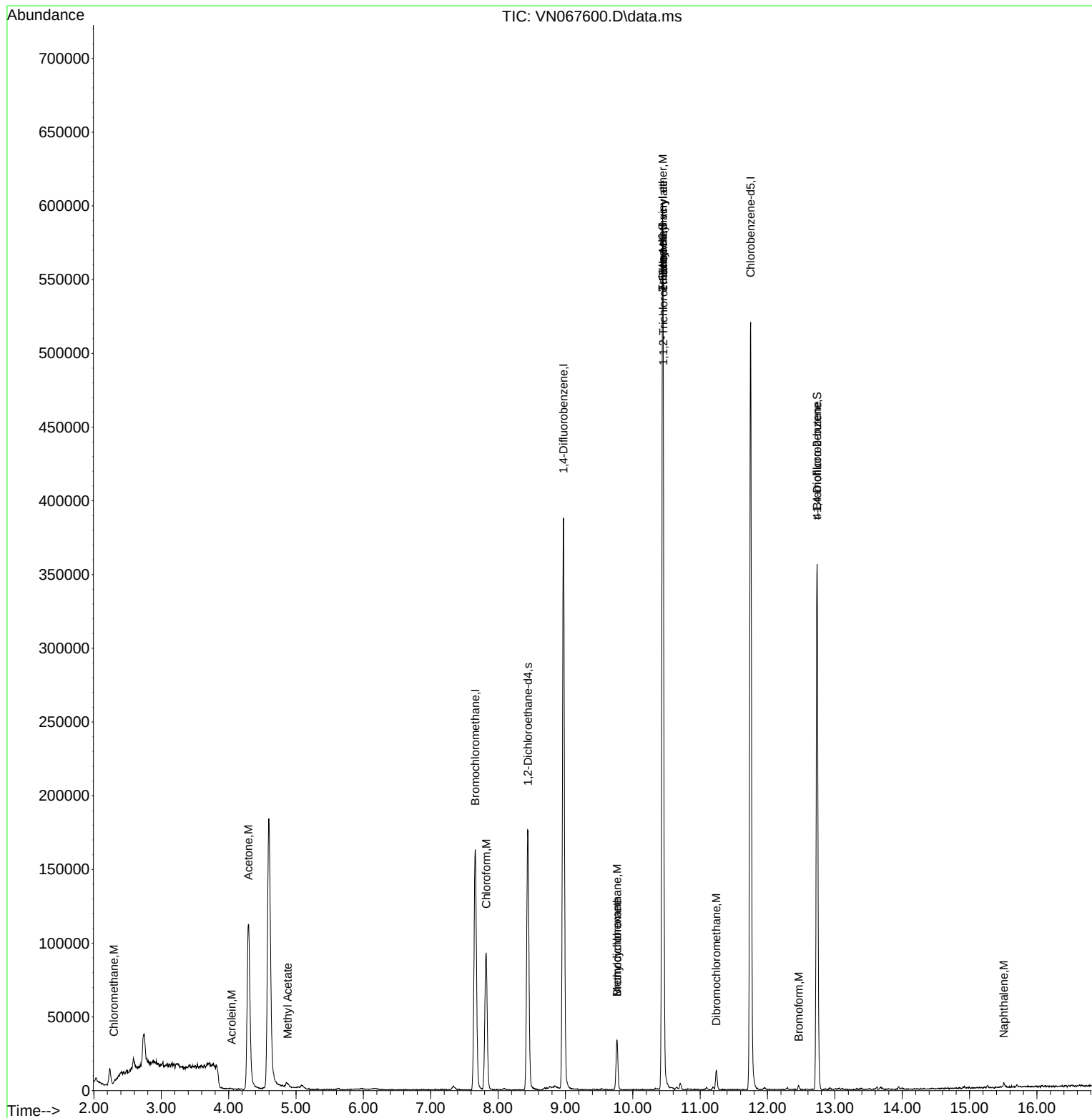
Internal Standards						
1) Bromochloromethane	7.662	128	56066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	337858	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	295676	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.442	65	148584	32.796	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.333%			
60) 4-Bromofluorobenzene	12.736	95	121209	25.199	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.000%			
63) Toluene-d8	10.443	98	421784	31.175	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%			
Target Compounds					Qvalue	
3) Chloromethane	2.298	50	876	0.210	ug/l #	62
12) Methyl Acetate	4.878	43	2235	0.639	ug/l	95
13) Acrolein	4.044	56	237	0.481	ug/l #	43
15) Acetone	4.293	58	63443	166.797	ug/l	85
25) Chloroform	7.823	83	89893	12.854	ug/l	98
38) Methylcyclohexane	9.767	83	22917	3.894	ug/l #	16
41) Bromodichloromethane	9.767	83	22917	3.914	ug/l #	98
50) 1,1,2-Trichloroethane	10.454	97	14549	3.413	ug/l #	1
51) Ethyl methacrylate	10.451	69	1401	0.209	ug/l	83
53) Dibromochloromethane	11.240	129	6929	1.508	ug/l	97
55) 2-Chloroethyl vinyl ether	10.446	63	423	0.296	ug/l #	1
56) Bromoform	12.465	173	870	0.272	ug/l #	61
77) t-1,4-Dichloro-2-butene	12.736	75	71371	45.861	ug/l #	6
91) Naphthalene	15.507	128	2895	0.284	ug/l #	74

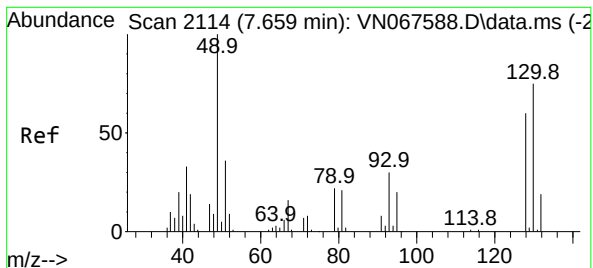
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
Data File : VN067600.D
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Operator : JC/MD
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 02 06:47:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration



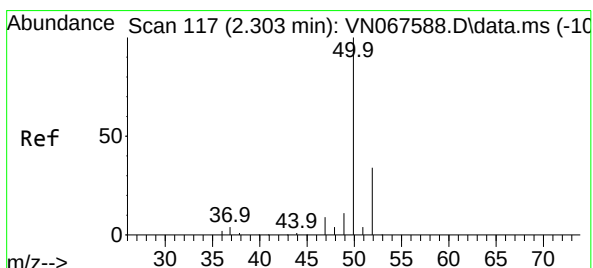
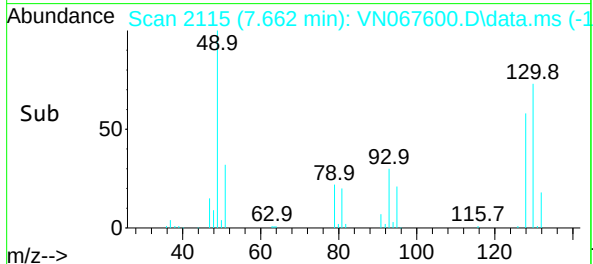
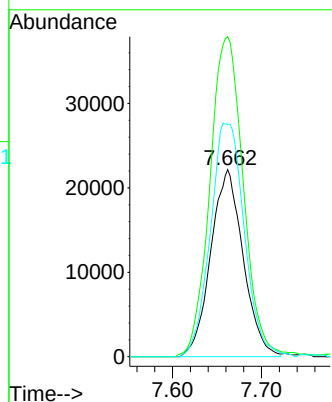
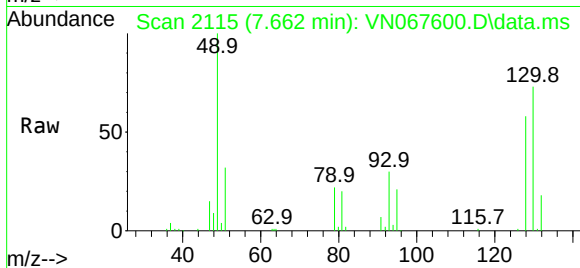


#1

Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Instrument :
MSVOA_N
ClientSampled :

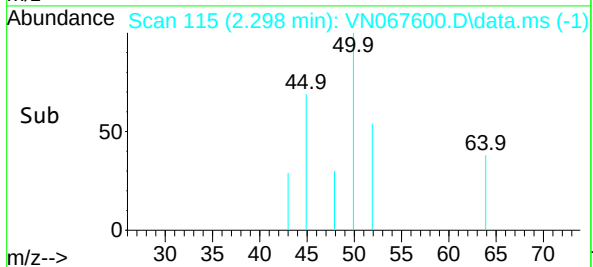
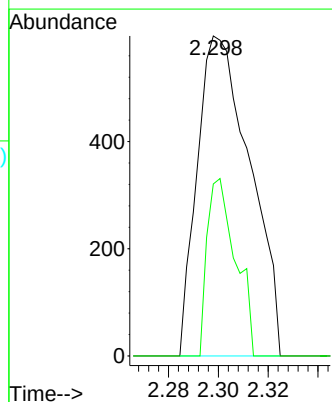
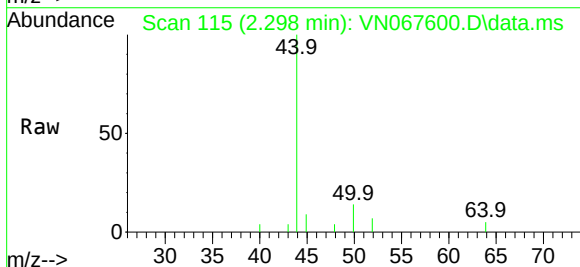
Tgt Ion:128 Resp: 56066
Ion Ratio Lower Upper
128 100
49 175.9 0.0 517.5
130 69.6 0.0 325.8

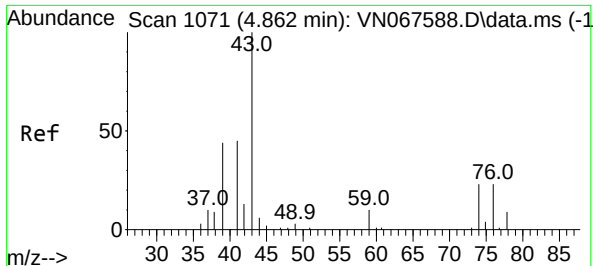


#3

Chloromethane
Concen: 0.210 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion: 50 Resp: 876
Ion Ratio Lower Upper
50 100
52 53.8 26.0 39.0#





#12

Methyl Acetate

Concen: 0.639 ug/l

RT: 4.878 min Scan# 1077

Delta R.T. 0.016 min

Lab File: VN067600.D

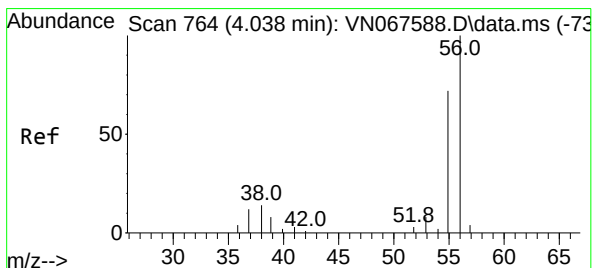
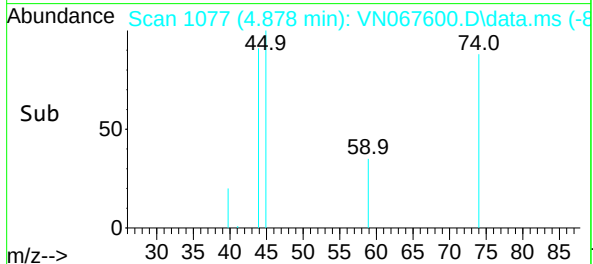
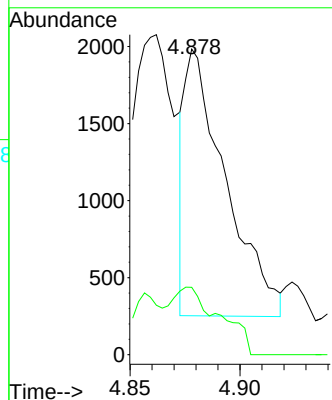
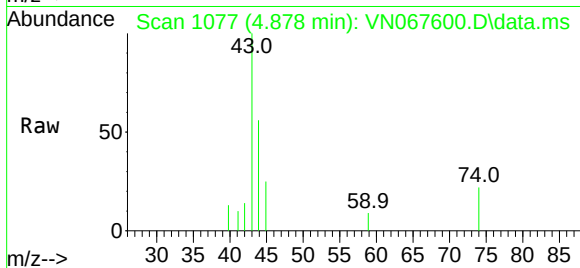
Acq: 1 Jul 2021 16:43

Tgt Ion: 43 Resp: 2235

Ion Ratio Lower Upper

43 100

74 23.1 16.6 25.0



#13

Acrolein

Concen: 0.481 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.005 min

Lab File: VN067600.D

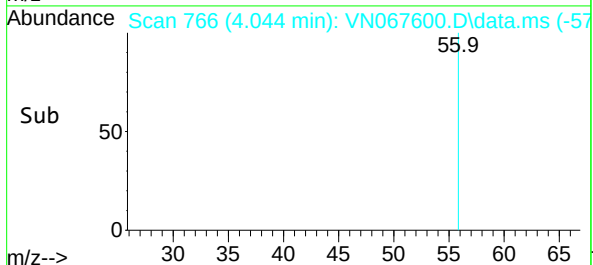
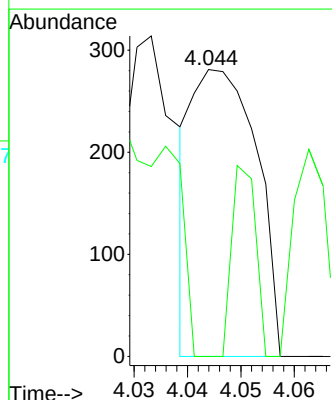
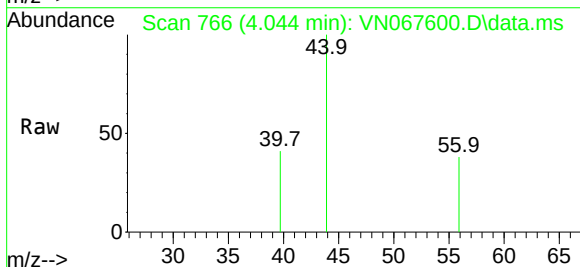
Acq: 1 Jul 2021 16:43

Tgt Ion: 56 Resp: 237

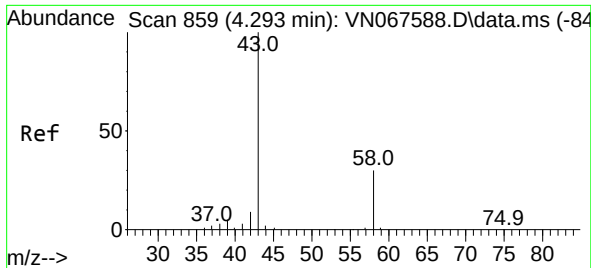
Ion Ratio Lower Upper

56 100

55 24.5 57.5 86.3#



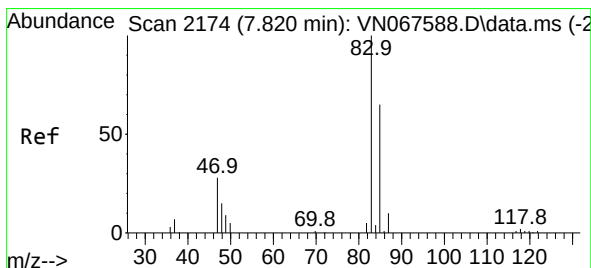
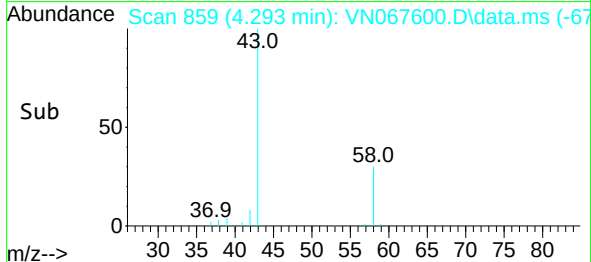
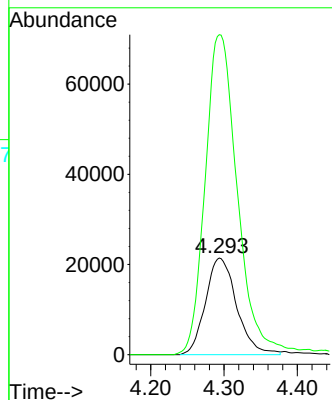
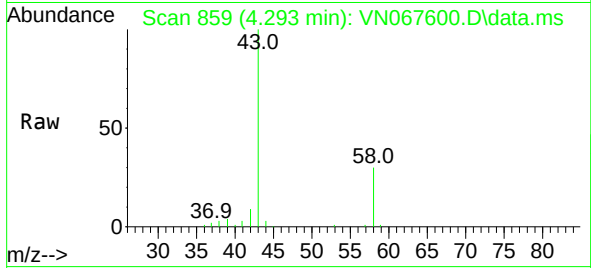
Instrument :
MSVOA_N
ClientSampled :



#15
Acetone
Concen: 166.797 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

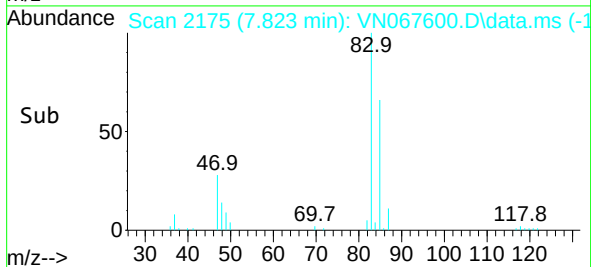
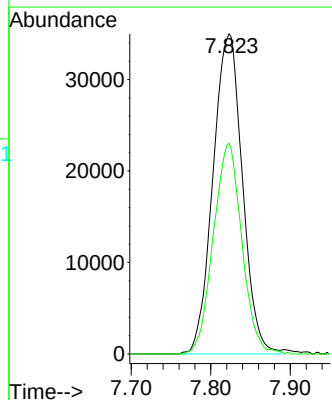
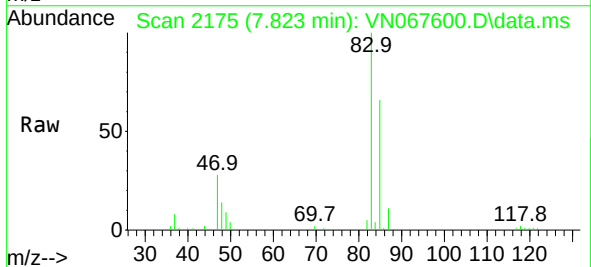
Instrument :
MSVOA_N
ClientSampleId :

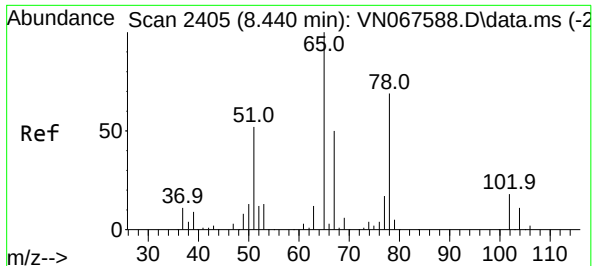
Tgt Ion: 58 Resp: 63443
Ion Ratio Lower Upper
58 100
43 328.8 289.6 434.4



#25
Chloroform
Concen: 12.854 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion: 83 Resp: 89893
Ion Ratio Lower Upper
83 100
85 65.8 51.5 77.3



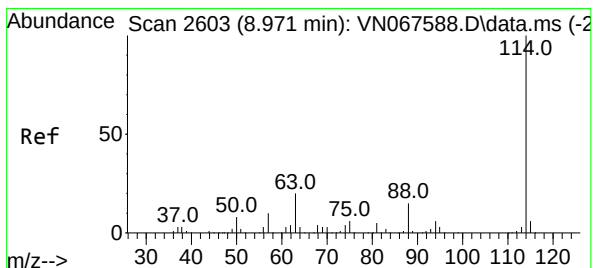
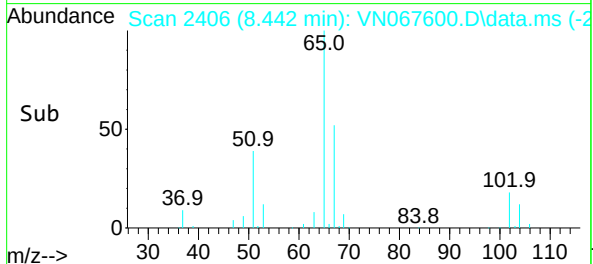
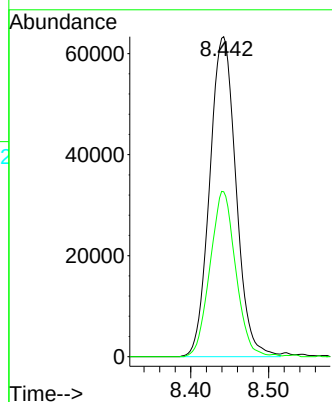
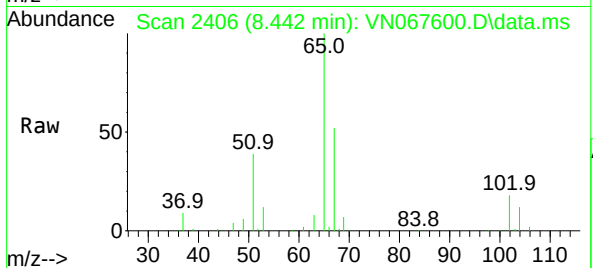


#27

1,2-Dichloroethane-d4
Concen: 32.796 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Instrument :
MSVOA_N
ClientSampled :

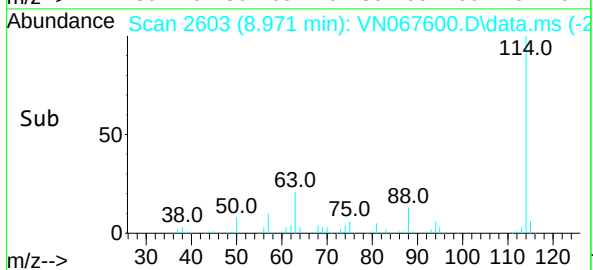
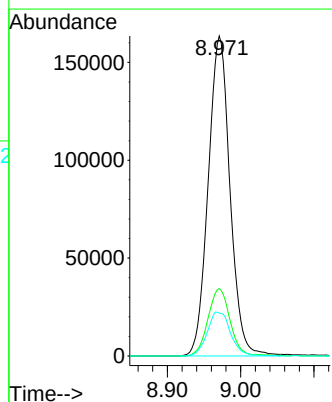
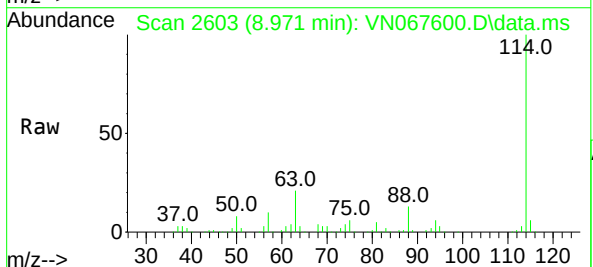
Tgt Ion: 65 Resp: 148584
Ion Ratio Lower Upper
65 100
67 50.2 39.8 59.8

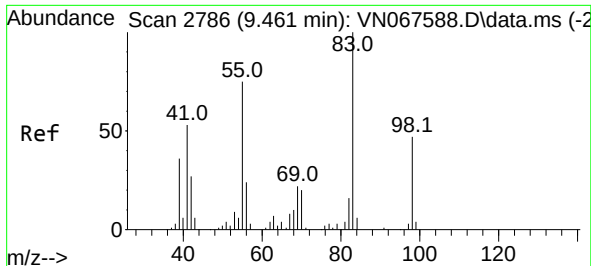


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion: 114 Resp: 337858
Ion Ratio Lower Upper
114 100
63 21.0 20.3 30.5
88 14.7 14.6 22.0

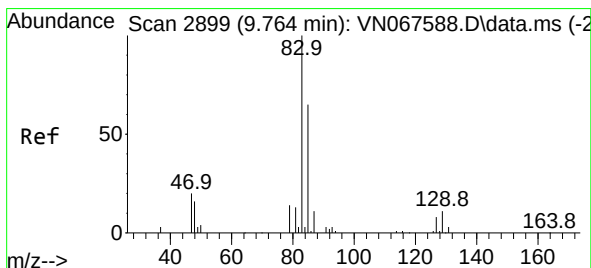
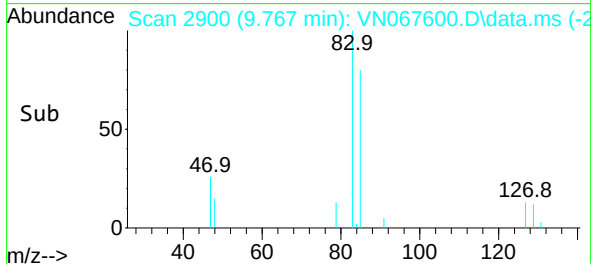
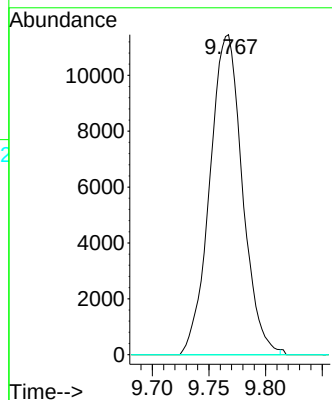
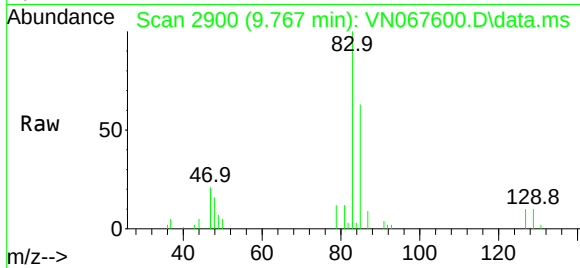




#38
Methylcyclohexane
Concen: 3.894 ug/l
RT: 9.767 min Scan# 2900
Delta R.T. 0.306 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

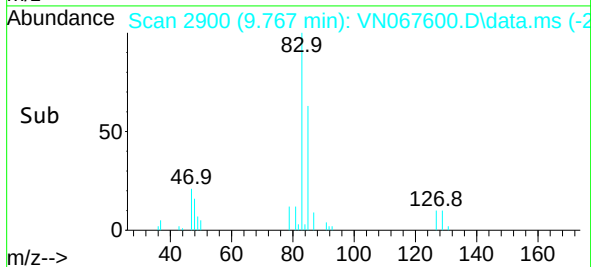
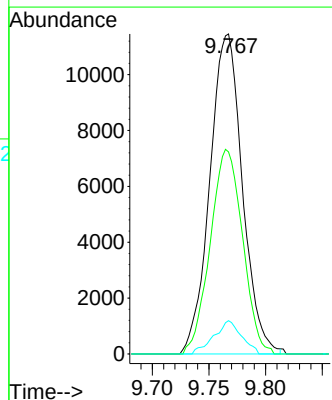
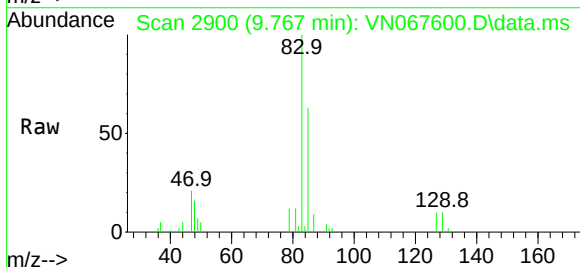
Instrument :
MSVOA_N
ClientSampled :

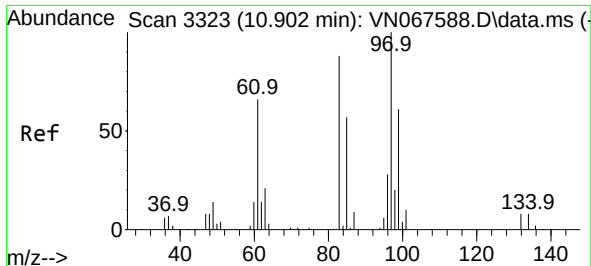
Tgt Ion: 83 Resp: 22917
Ion Ratio Lower Upper
83 100
55 0.0 41.5 124.6#
98 0.0 22.4 67.0#



#41
Bromodichloromethane
Concen: 3.914 ug/l
RT: 9.767 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

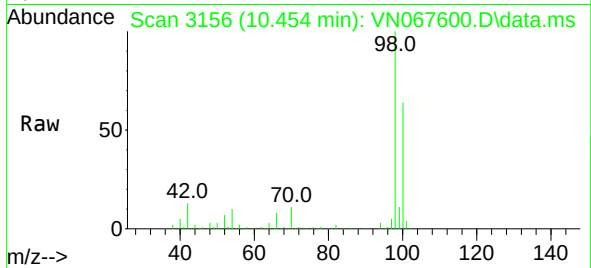
Tgt Ion: 83 Resp: 22917
Ion Ratio Lower Upper
83 100
85 63.2 51.2 76.8
127 10.4 6.6 9.8#



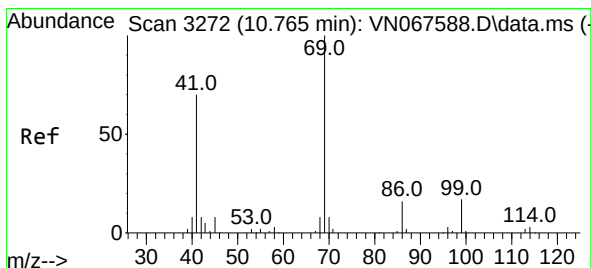
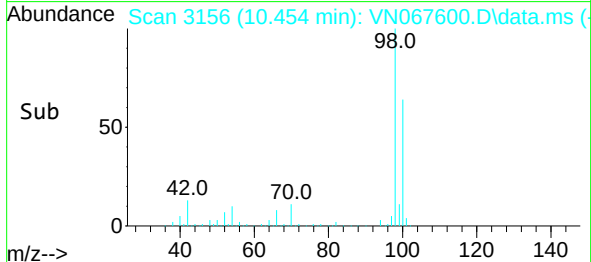
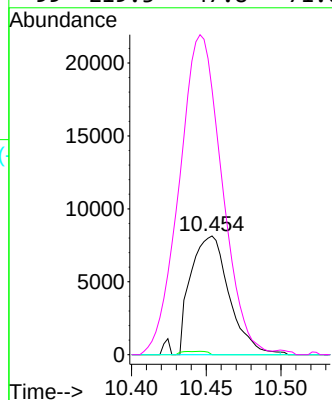


#50
1,1,2-Trichloroethane
Concen: 3.413 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.448 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Instrument :
MSVOA_N
ClientSampled :

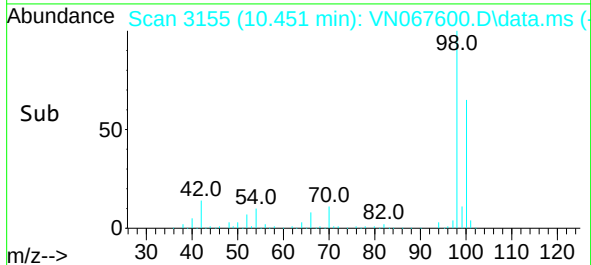
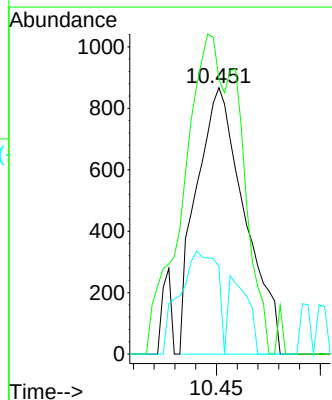
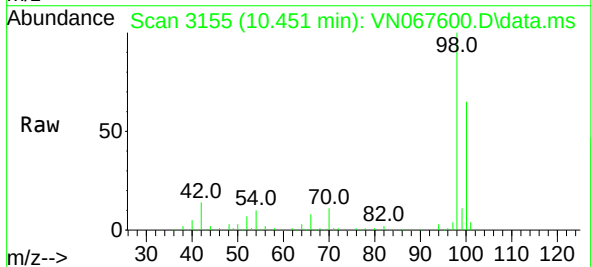


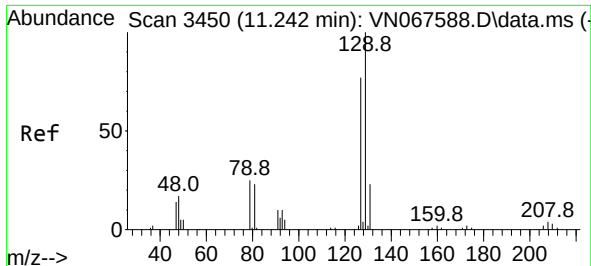
Tgt Ion: 97 Resp: 14549
Ion Ratio Lower Upper
97 100
83 0.0 69.6 104.4#
85 0.0 45.2 67.8#
99 219.3 47.8 71.6#



#51
Ethyl methacrylate
Concen: 0.209 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.314 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion: 69 Resp: 1401
Ion Ratio Lower Upper
69 100
41 84.9 36.8 110.4
39 32.9 23.8 71.2

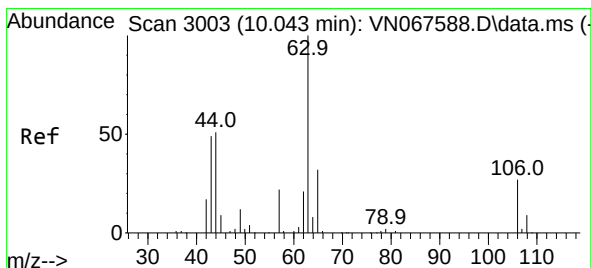
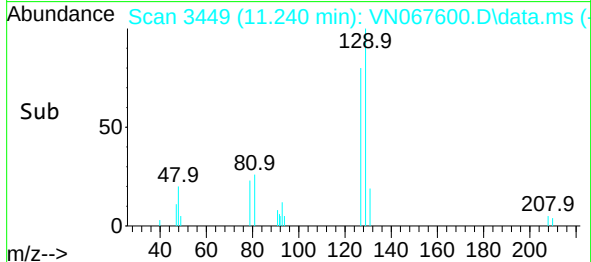
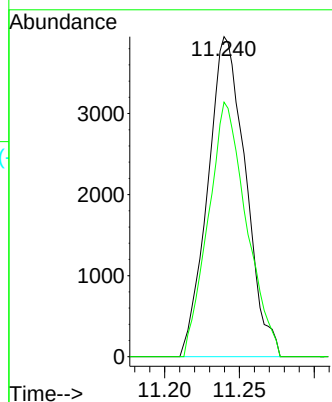
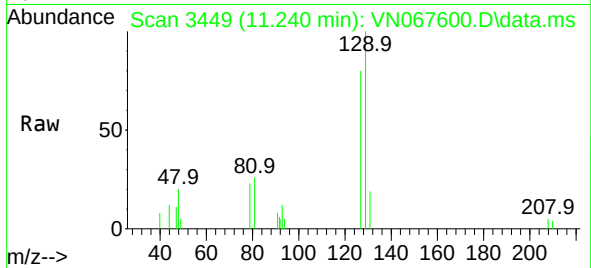




#53
Dibromochloromethane
Concen: 1.508 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

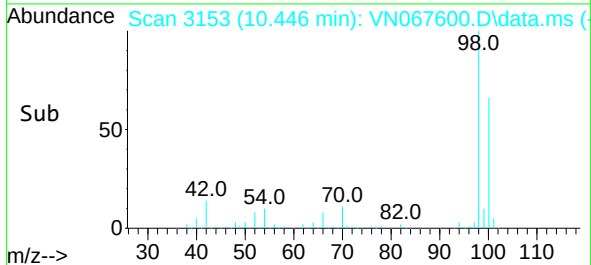
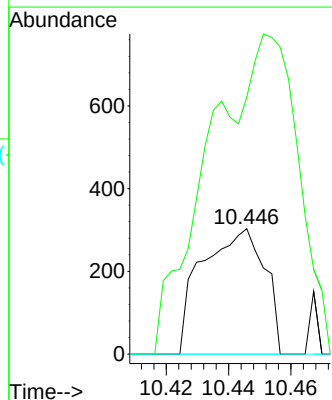
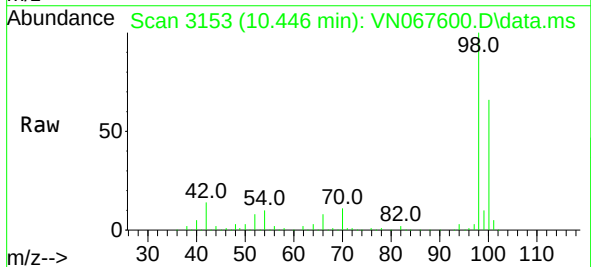
Instrument :
MSVOA_N
ClientSampleId :

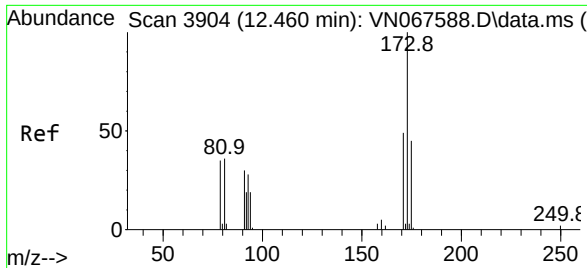
Tgt Ion:129 Resp: 6929
Ion Ratio Lower Upper
129 100
127 80.4 38.8 116.4



#55
2-Chloroethyl vinyl ether
Concen: 0.296 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.402 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

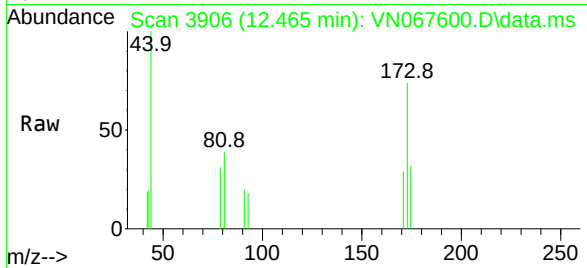
Tgt Ion: 63 Resp: 423
Ion Ratio Lower Upper
63 100
65 208.5 25.6 38.4#
106 0.0 20.0 30.0#



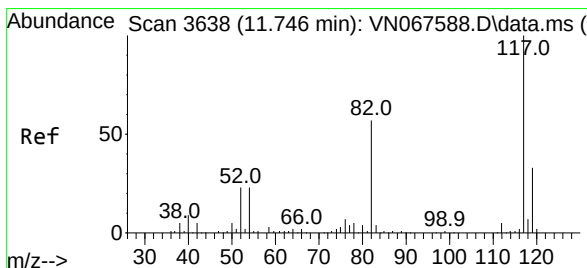
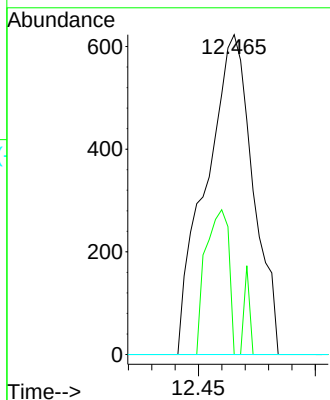
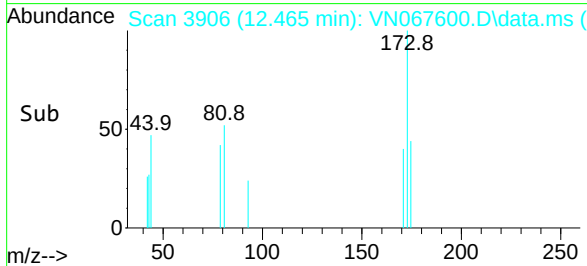


#56
Bromoform
Concen: 0.272 ug/l
RT: 12.465 min Scan# 3906
Delta R.T. 0.005 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

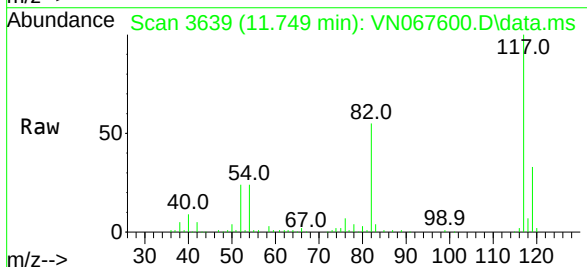
Instrument :
MSVOA_N
ClientSampled :



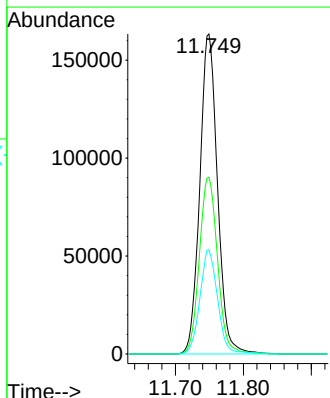
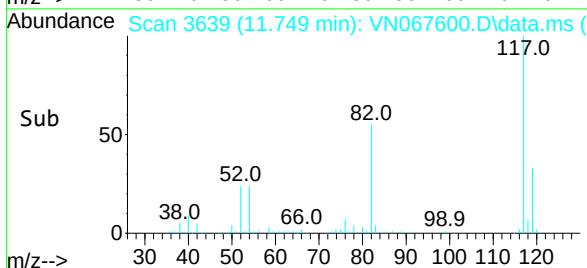
Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 22.4 39.4 59.2#
254 0.0 0.0 0.0

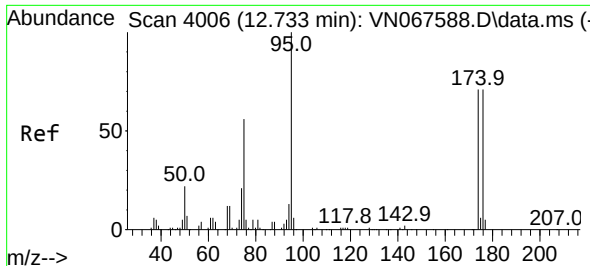


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43



Tgt Ion:117 Resp: 295676
Ion Ratio Lower Upper
117 100
82 56.9 52.5 78.7
119 32.5 25.8 38.8

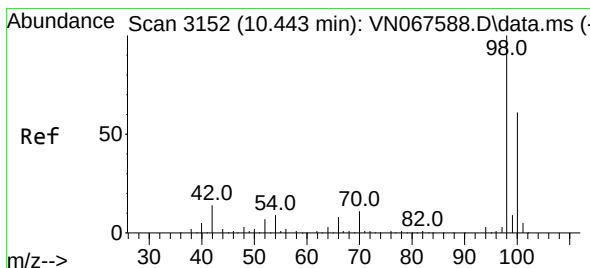
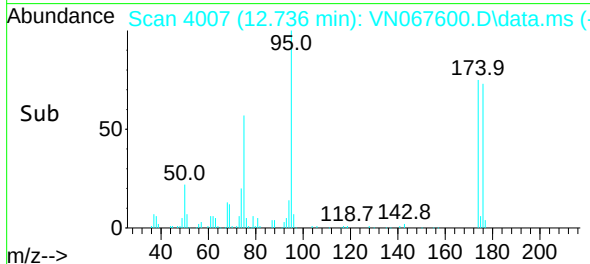
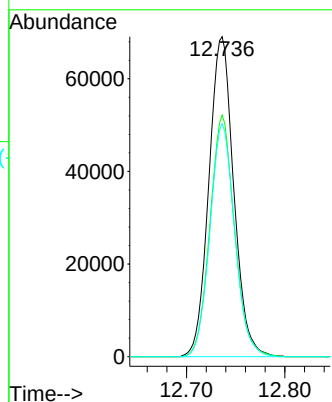
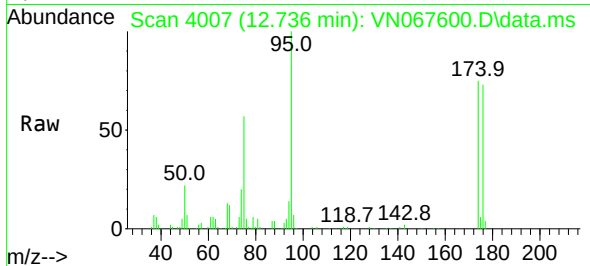




#60
4-Bromofluorobenzene
Concen: 25.199 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

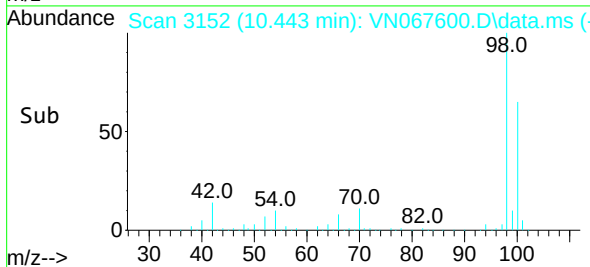
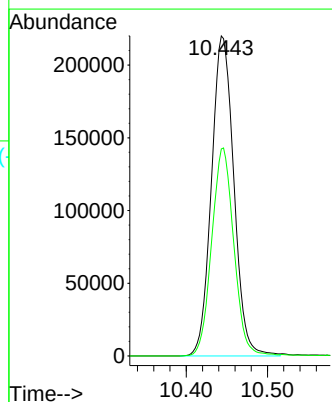
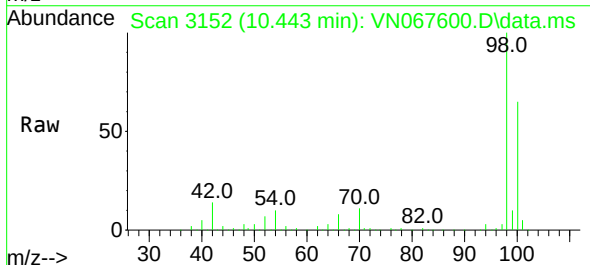
Instrument :
MSVOA_N
ClientSampled :

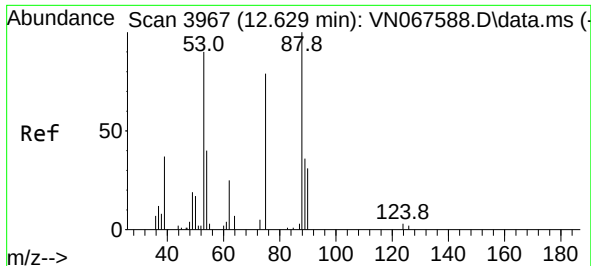
Tgt Ion: 95 Resp: 121209
Ion Ratio Lower Upper
95 100
174 74.7 47.7 71.5#
176 72.7 45.7 68.5#



#63
Toluene-d8
Concen: 31.175 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion: 98 Resp: 421784
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8

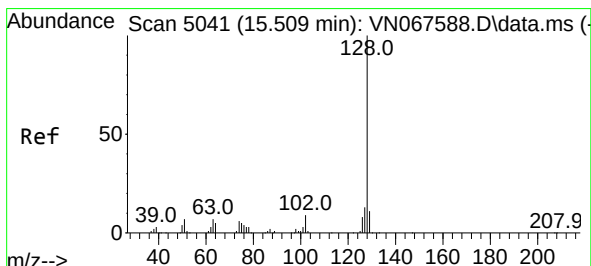
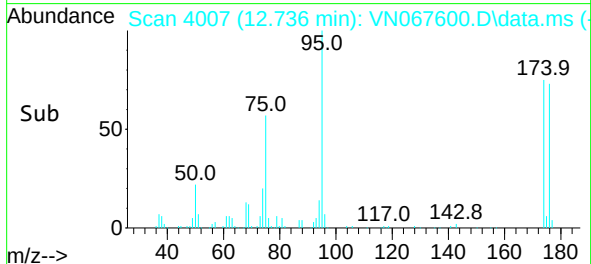
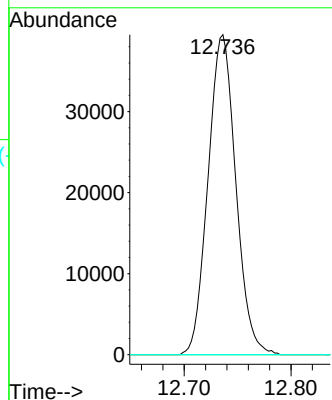
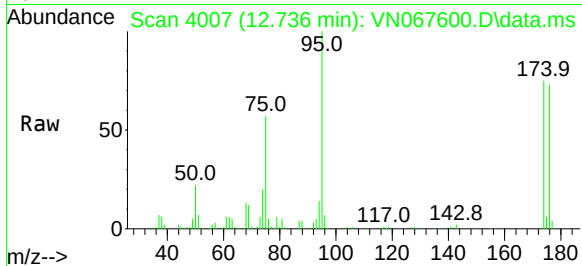




#77
t-1,4-Dichloro-2-butene
Concen: 45.861 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 71371
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



#91
Naphthalene
Concen: 0.284 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN067600.D
Acq: 1 Jul 2021 16:43

Tgt Ion:128 Resp: 2895
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 4.0 8.9 13.3#

