

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067749.D
 Acq On : 14 Jul 2021 17:33
 Operator : JC/MD
 Sample : M3004-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

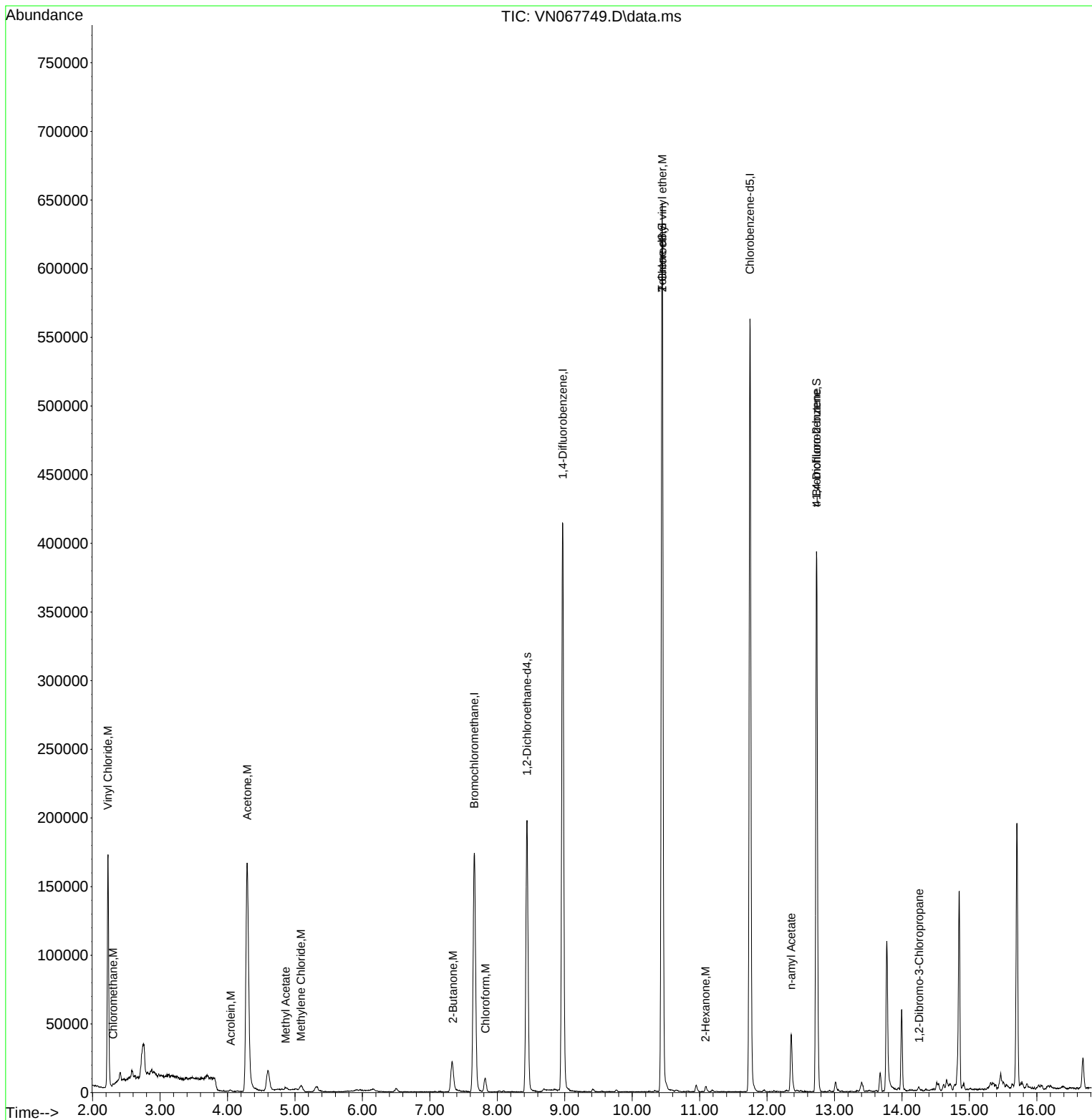
Quant Time: Jul 15 06:29:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

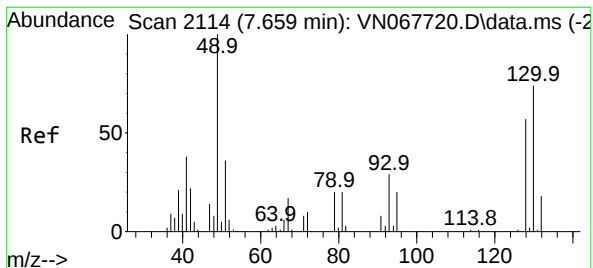
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.659	128	61425	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	359234	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	321725	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	166415	33.535	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.767%#
60) 4-Bromofluorobenzene	12.734	95	134797	25.799	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.000%
63) Toluene-d8	10.443	98	450795	30.464	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.533%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1020	0.260	ug/l	96
4) Vinyl Chloride	2.228	62	1818	0.298	ug/l #	1
12) Methyl Acetate	4.862	43	1070	0.263	ug/l #	51
13) Acrolein	4.047	56	649	1.523	ug/l #	87
15) Acetone	4.293	58	88868	200.468	ug/l	96
18) Methylene Chloride	5.090	84	1889	0.458	ug/l	93
25) Chloroform	7.823	83	10047	1.322	ug/l	98
30) 2-Butanone	7.343	43	2138	0.819	ug/l #	63
47) n-amyl Acetate	12.358	43	30368	3.861	ug/l #	67
55) 2-Chloroethyl vinyl ether	10.446	63	284	0.214	ug/l #	1
59) 2-Hexanone	11.087	43	1501	0.388	ug/l	91
77) t-1,4-Dichloro-2-butene	12.734	75	75975	46.877	ug/l #	4
88) 1,2-Dibromo-3-Chloropr...	14.254	75	346	0.335	ug/l #	7

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

Quant Time: Jul 15 06:29:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 14 01:19:19 2021
Response via : Initial Calibration



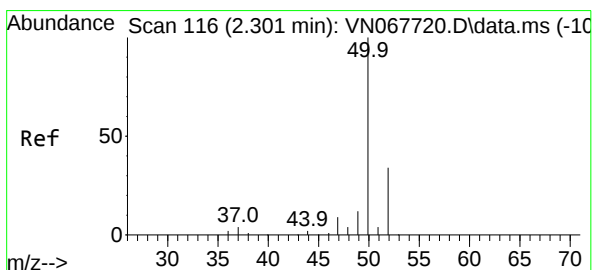
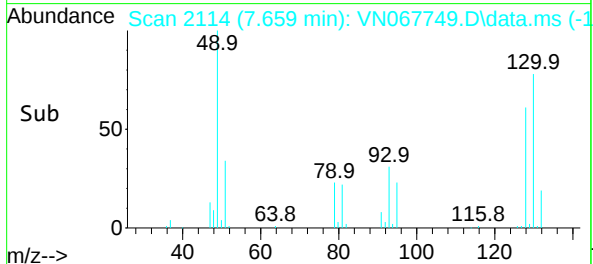
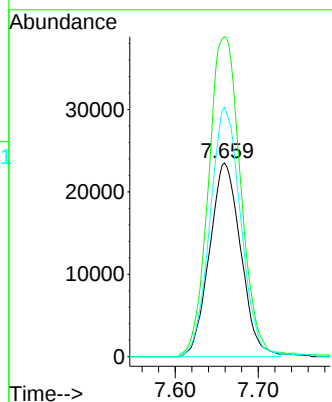
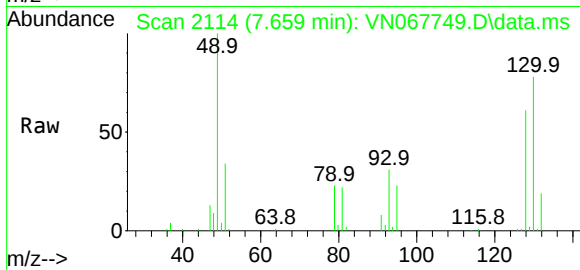


#1

Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

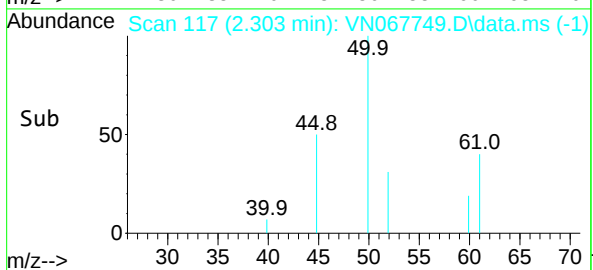
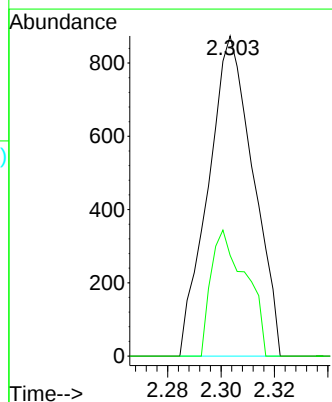
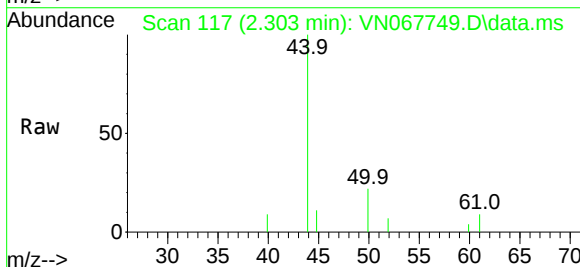
Tgt Ion:128 Resp: 61425
Ion Ratio Lower Upper
128 100
49 170.0 0.0 433.0
130 127.2 0.0 323.8

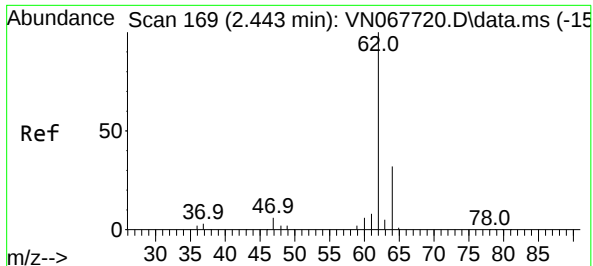


#3

Chloromethane
Concen: 0.260 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 50 Resp: 1020
Ion Ratio Lower Upper
50 100
52 31.5 27.2 40.8

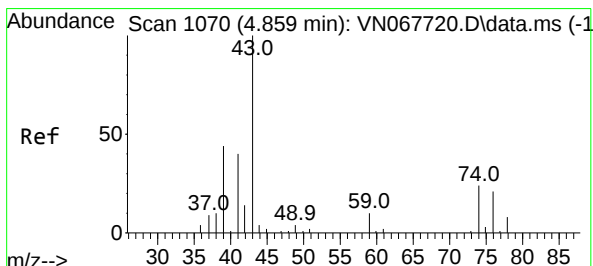
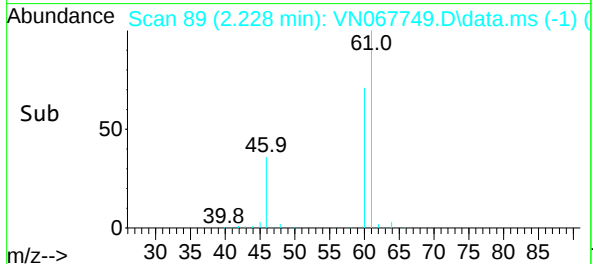
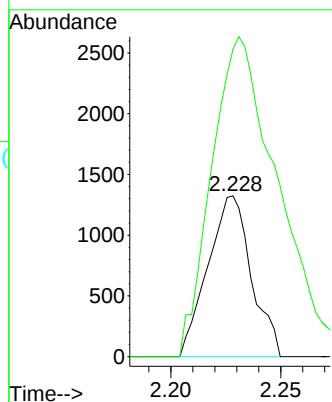
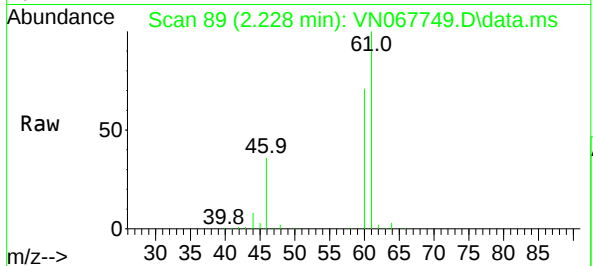




#4
 Vinyl Chloride
 Concen: 0.298 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.215 min
 Lab File: VN067749.D
 Acq: 14 Jul 2021 17:33

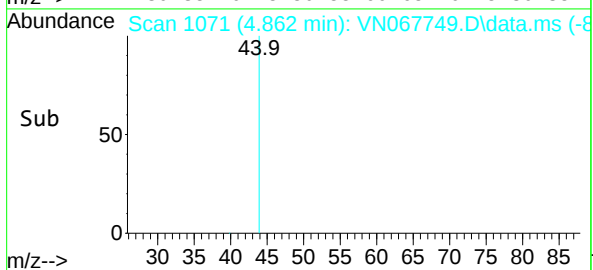
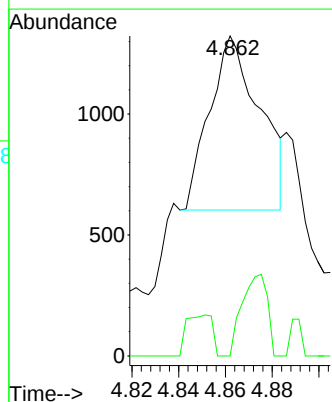
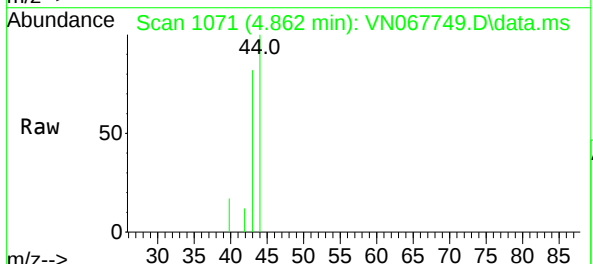
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

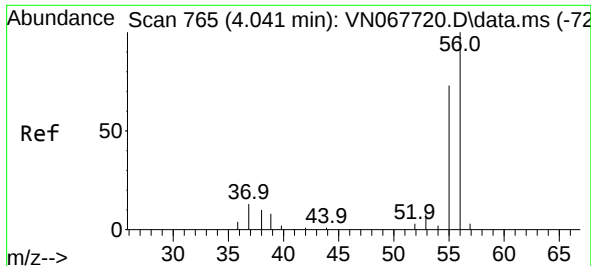
Tgt Ion: 62 Resp: 1818
 Ion Ratio Lower Upper
 62 100
 64 191.2 25.9 38.9#



#12
 Methyl Acetate
 Concen: 0.263 ug/l
 RT: 4.862 min Scan# 1071
 Delta R.T. 0.003 min
 Lab File: VN067749.D
 Acq: 14 Jul 2021 17:33

Tgt Ion: 43 Resp: 1070
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.8 29.6#

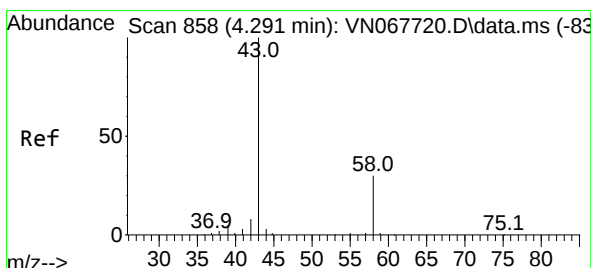
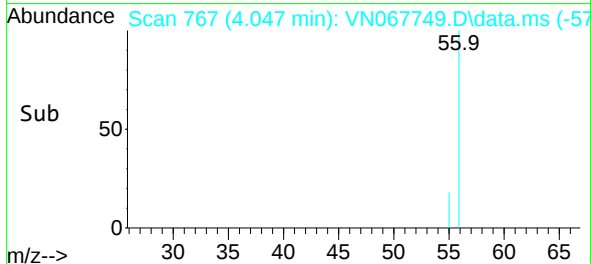
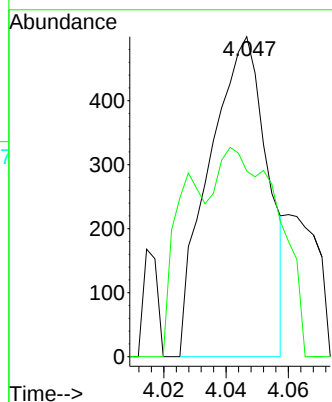
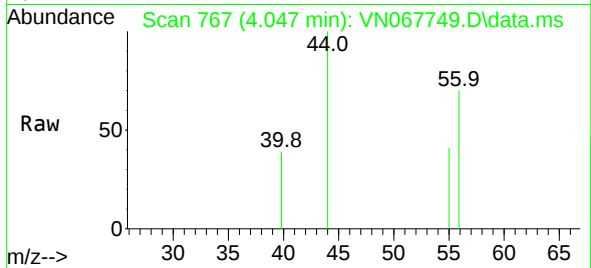




#13
Acrolein
Concen: 1.523 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

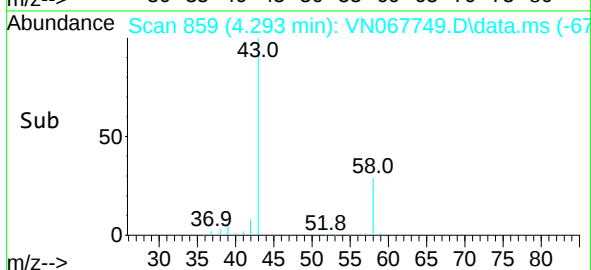
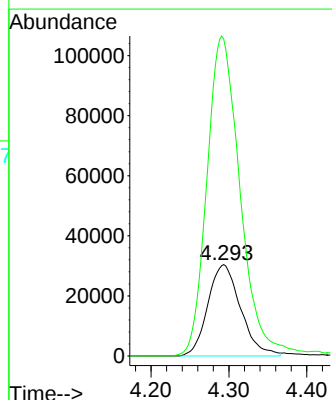
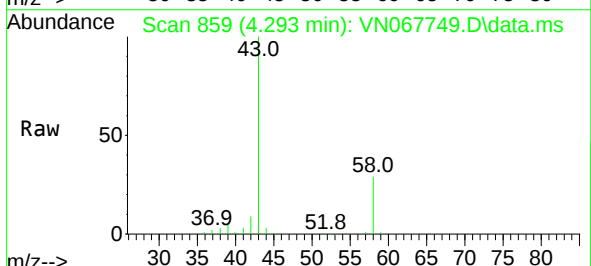
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

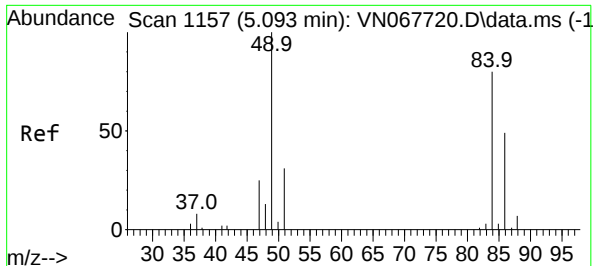
Tgt Ion: 56 Resp: 649
Ion Ratio Lower Upper
56 100
55 16.8 0.2 0.2#



#15
Acetone
Concen: 200.468 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

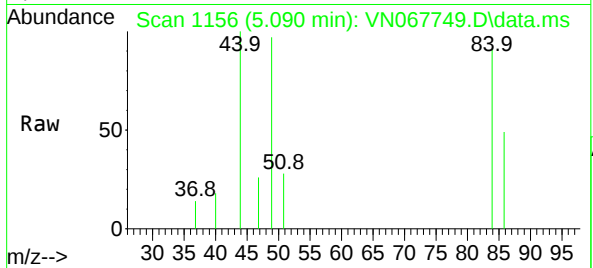
Tgt Ion: 58 Resp: 88868
Ion Ratio Lower Upper
58 100
43 344.7 268.2 402.4





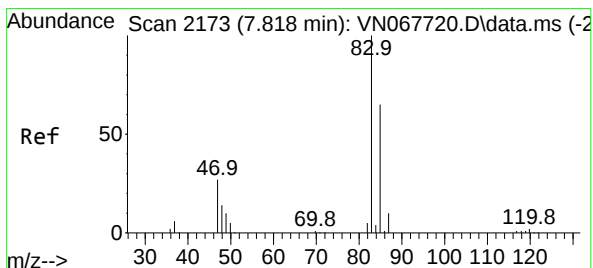
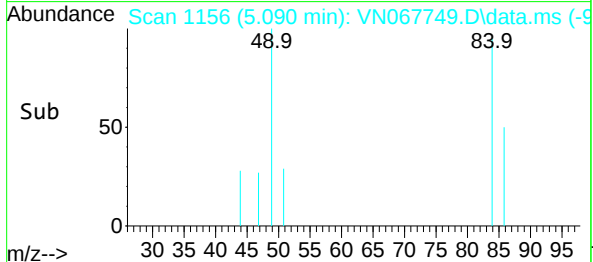
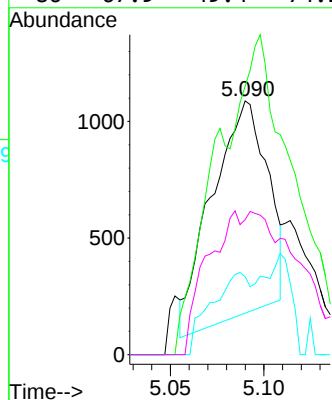
#18
Methylene Chloride
Concen: 0.458 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion: 84 Resp: 1889

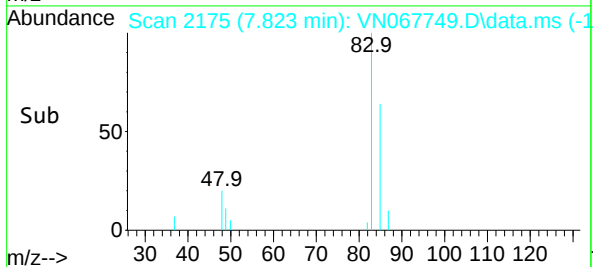
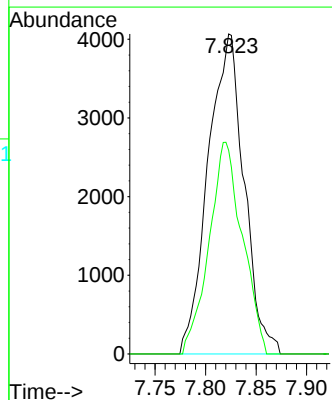
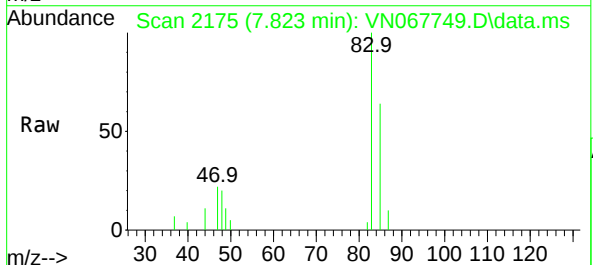
Ion	Ratio	Lower	Upper
84	100		
49	115.2	100.5	150.7
51	39.2	30.7	46.1
86	67.9	49.4	74.2

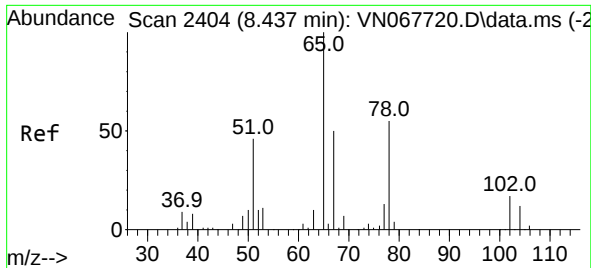


#25
Chloroform
Concen: 1.322 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.005 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 83 Resp: 10047

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5



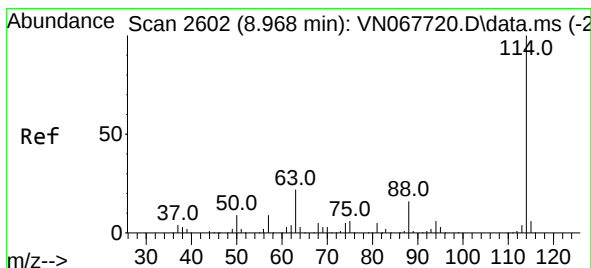
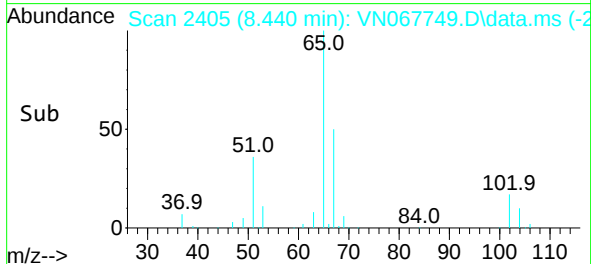
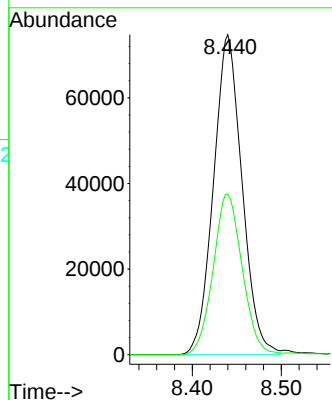
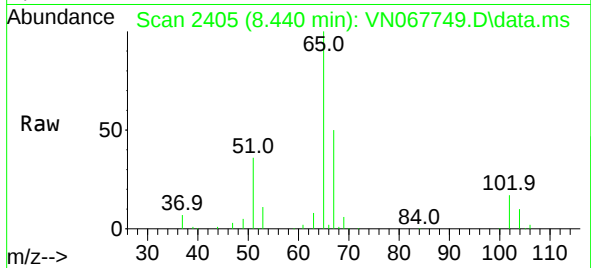


#27

1,2-Dichloroethane-d4
Concen: 33.535 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

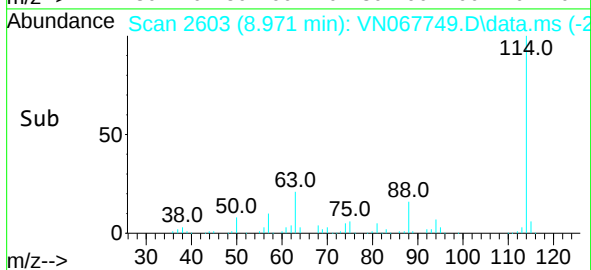
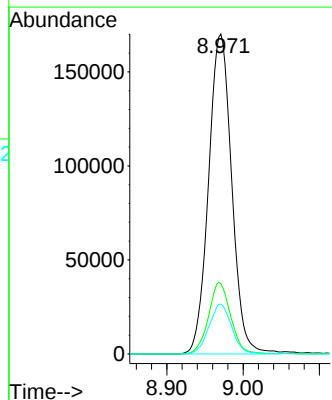
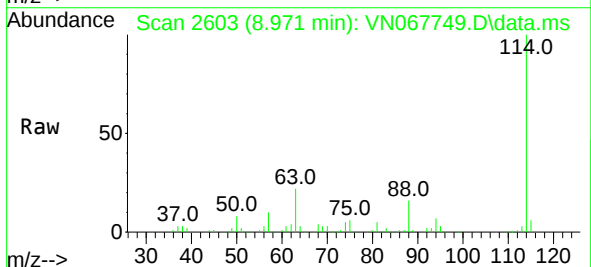
Tgt Ion: 65 Resp: 166415
Ion Ratio Lower Upper
65 100
67 51.1 40.6 60.8

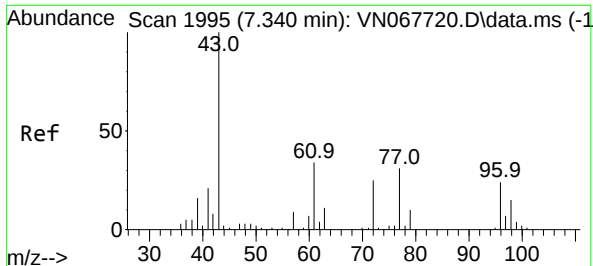


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 114 Resp: 359234
Ion Ratio Lower Upper
114 100
63 21.4 17.2 25.8
88 15.2 12.4 18.6

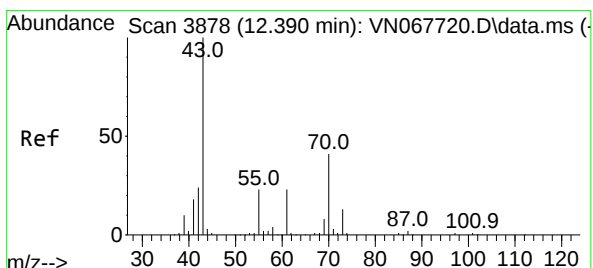
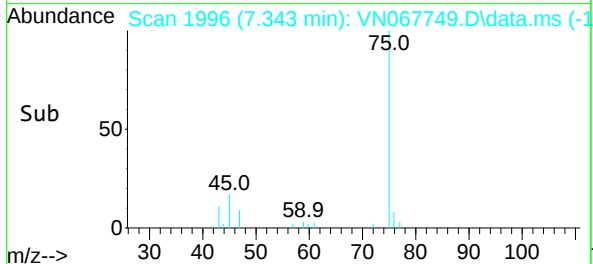
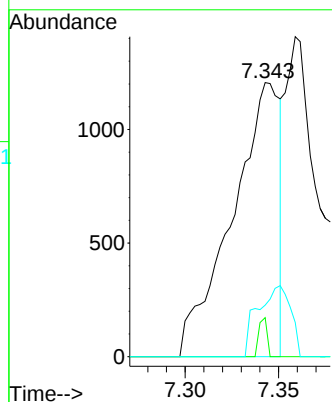
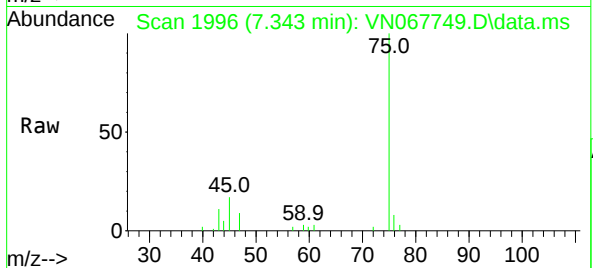




#30
2-Butanone
Concen: 0.819 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

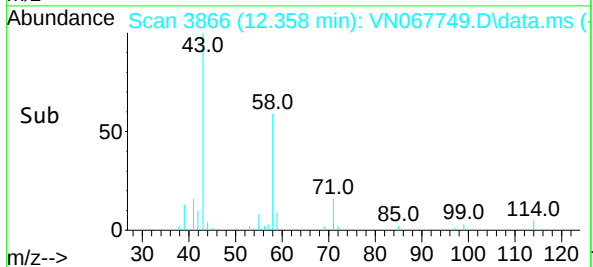
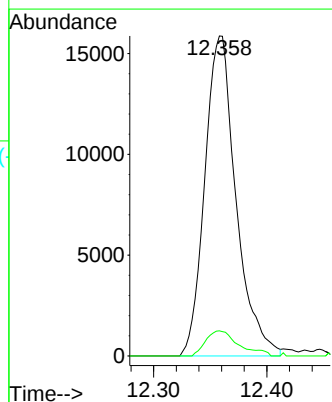
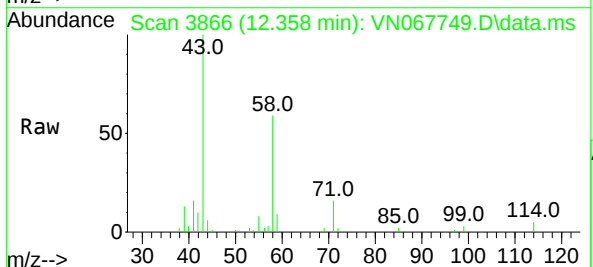
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

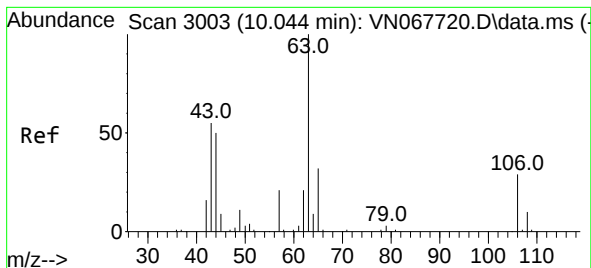
Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
57 2.4 6.6 9.8#
72 4.7 21.8 32.6#



#47
n-amyl Acetate
Concen: 3.861 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 43 Resp: 30368
Ion Ratio Lower Upper
43 100
55 7.8 19.0 28.6#

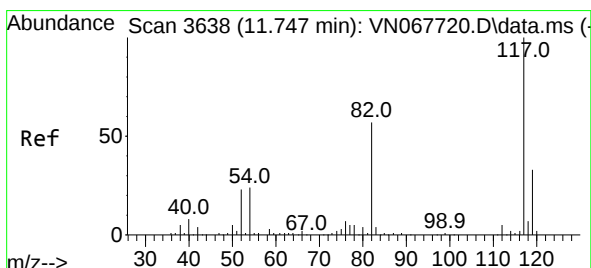
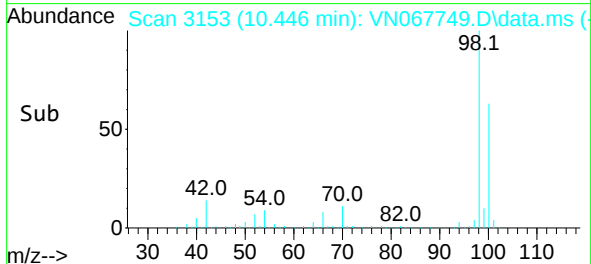
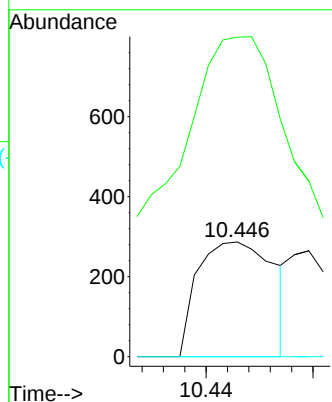
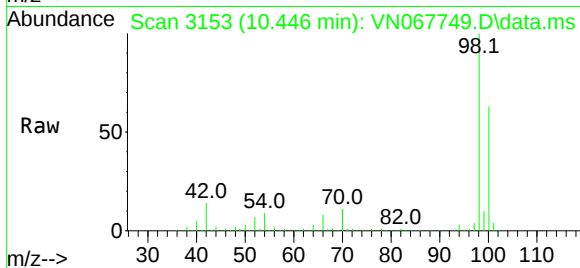




#55
2-Chloroethyl vinyl ether
Concen: 0.214 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.402 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

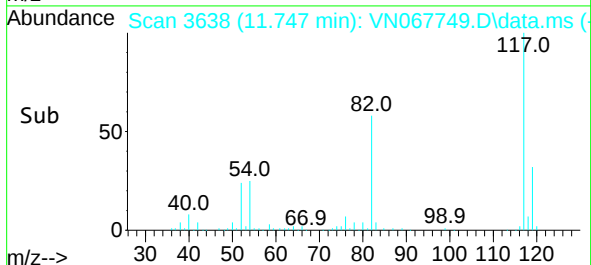
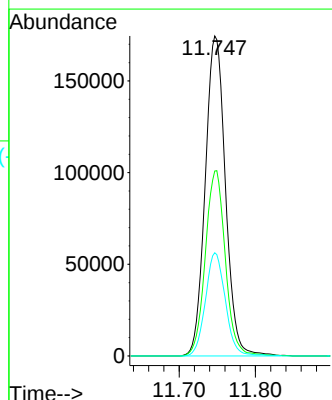
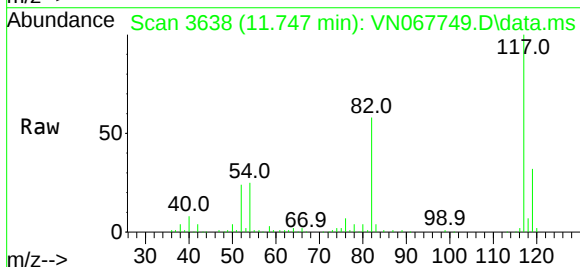
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

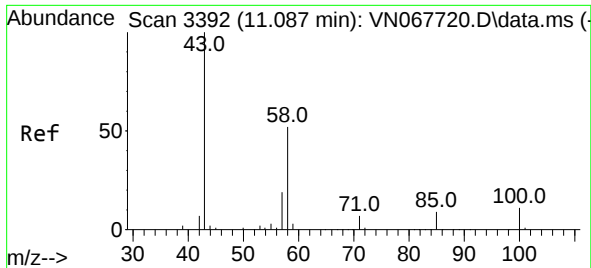
Tgt Ion: 63 Resp: 284
Ion Ratio Lower Upper
63 100
65 490.5 25.5 38.3#
106 0.0 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 117 Resp: 321725
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.0
119 31.6 25.7 38.5

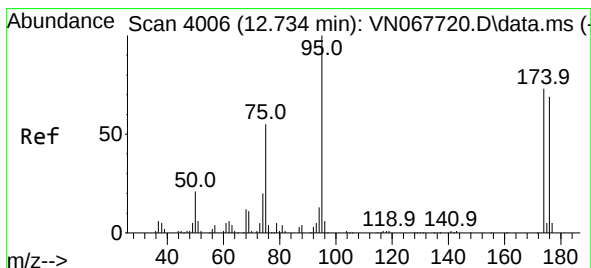
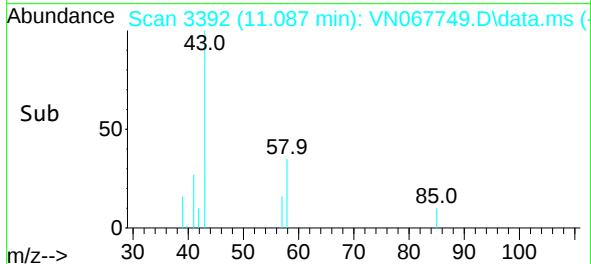
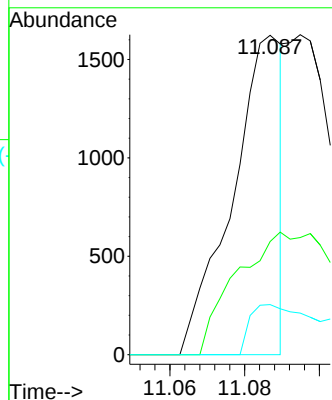
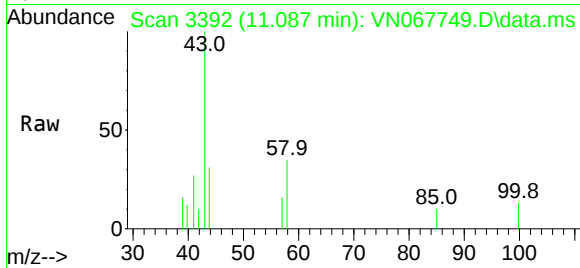




#59
2-Hexanone
Concen: 0.388 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

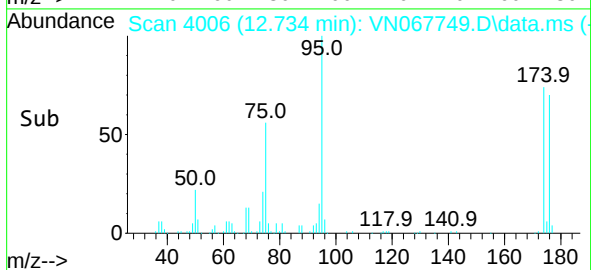
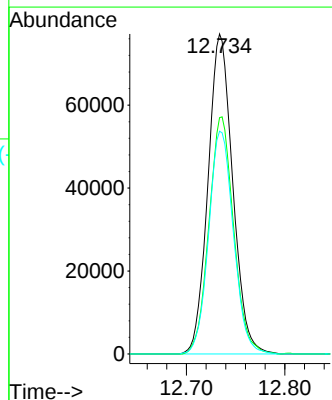
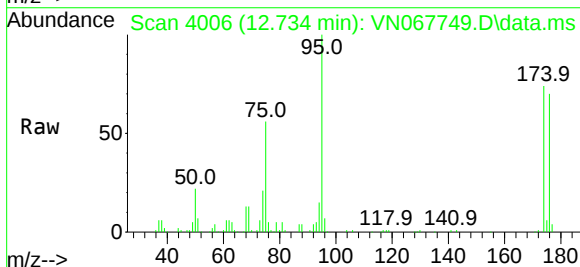
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

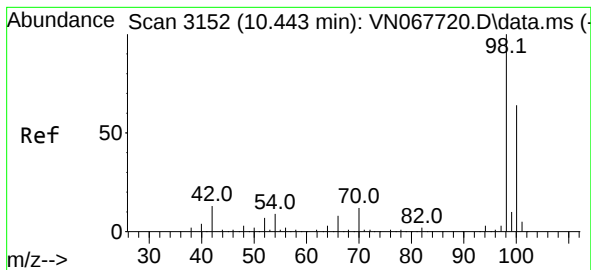
Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
58 43.0 41.5 62.3
57 18.5 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 25.799 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

Tgt Ion: 95 Resp: 134797
Ion Ratio Lower Upper
95 100
174 74.0 57.1 85.7
176 69.9 54.6 81.8

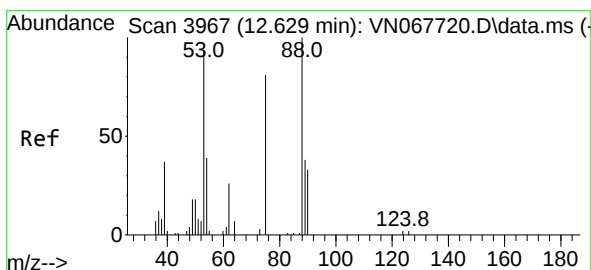
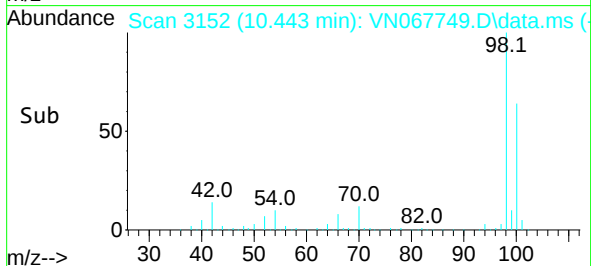
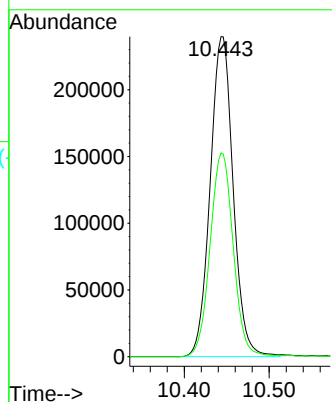
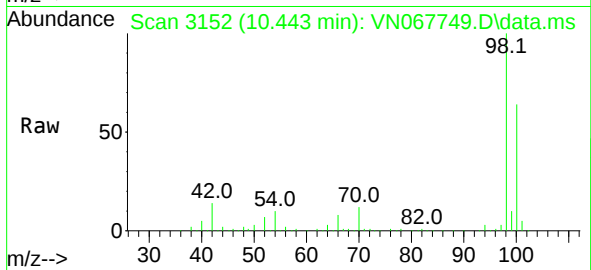




#63
Toluene-d8
Concen: 30.464 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

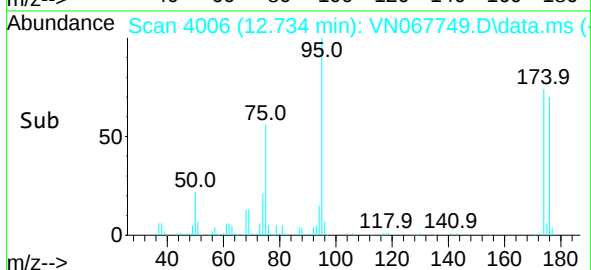
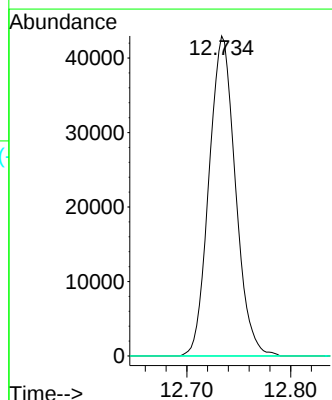
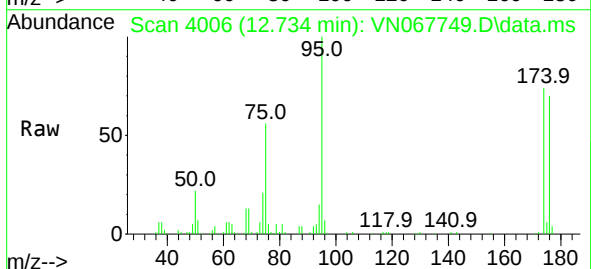
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

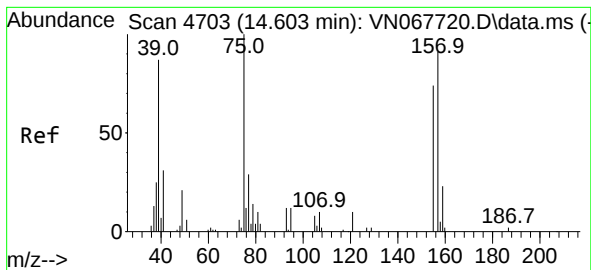
Tgt Ion: 98 Resp: 450795
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 46.877 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067749.D
Acq: 14 Jul 2021 17:33

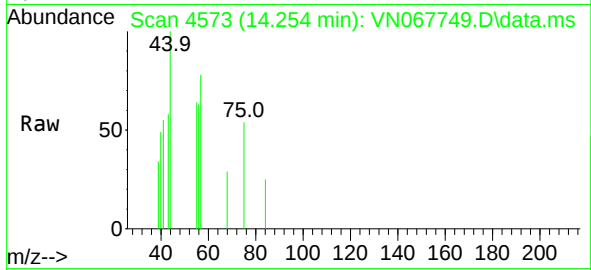
Tgt Ion: 75 Resp: 75975
Ion Ratio Lower Upper
75 100
53 0.0 57.0 171.0#
89 0.0 24.7 74.1#





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.335 ug/l
 RT: 14.254 min Scan# 4573
 Delta R.T. -0.349 min
 Lab File: VN067749.D
 Acq: 14 Jul 2021 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW



Tgt Ion: 75 Resp: 346
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.2 88.8#
 157 0.0 75.4 113.2#

