

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067049.D
 Acq On : 7 May 2021 14:19
 Operator : JC/MD
 Sample : VN0508WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 18:47:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

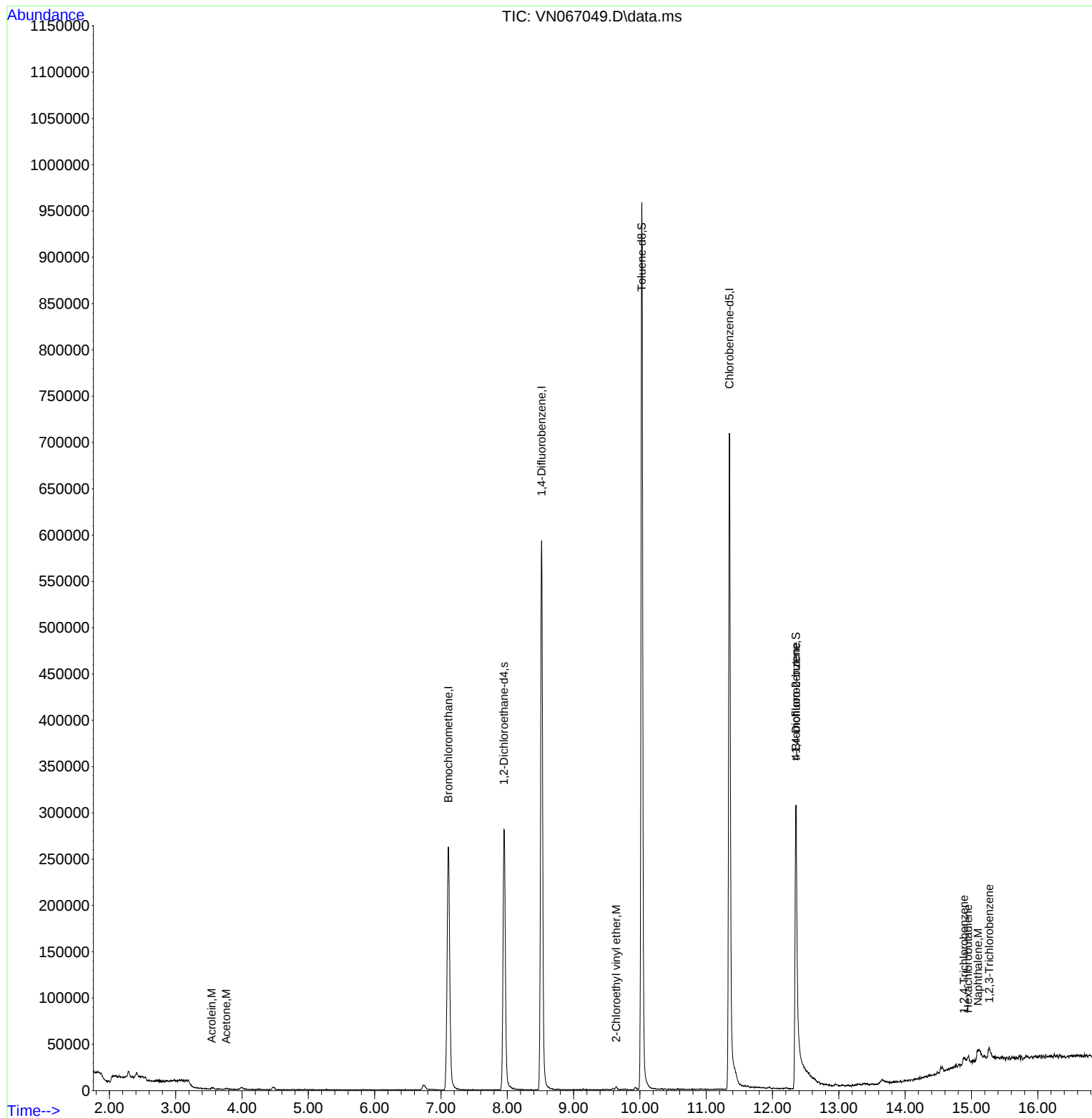
Internal Standards						
1) Bromochloromethane	7.112	128	99430	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.517	114	521841	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	453109	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.952	65	262063	30.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.353	95	156178	20.72	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	69.07%
63) Toluene-d8	10.027	98	680603	30.32	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.07%
Target Compounds						Qvalue
13) Acrolein	3.542	56	471	0.36	ug/l	87
15) Acetone	3.760	58	235	0.25	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.641	63	1913	1.09	ug/l #	54
77) t-1,4-Dichloro-2-butene	12.353	75	78100	29.22	ug/l #	16
89) 1,2,4-Trichlorobenzene	14.887	180	3288	0.57	ug/l #	18
90) Hexachlorobutadiene	14.949	225	1251	0.32	ug/l	52
91) Naphthalene	15.099	128	9503	0.61	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.268	180	3536	0.59	ug/l	58

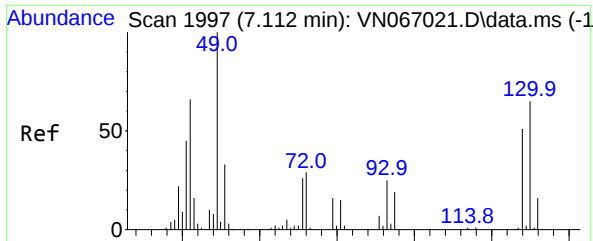
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
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QLast Update : Fri May 07 07:26:20 2021
Response via : Initial Calibration

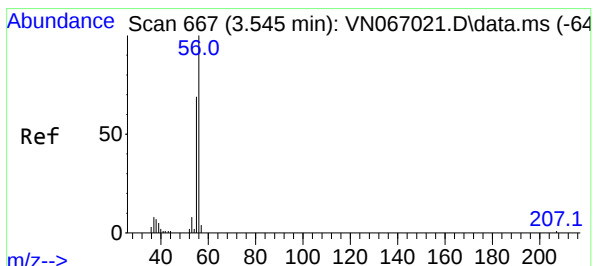
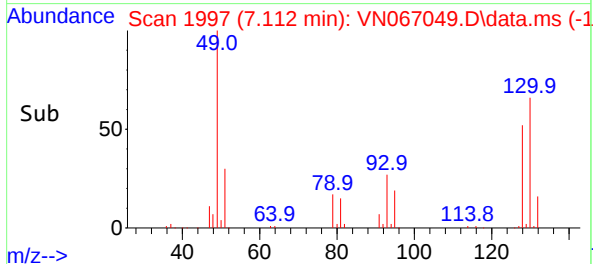
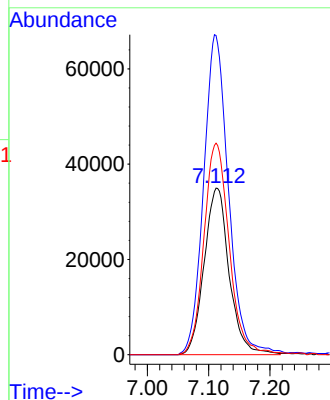
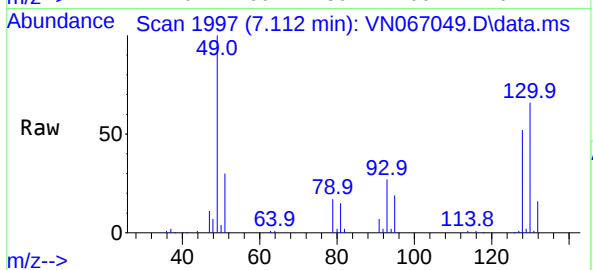




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.112 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

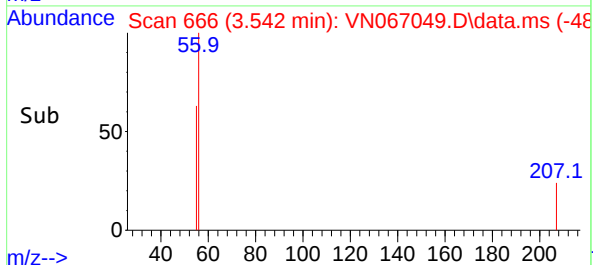
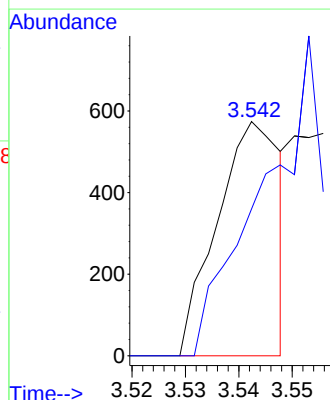
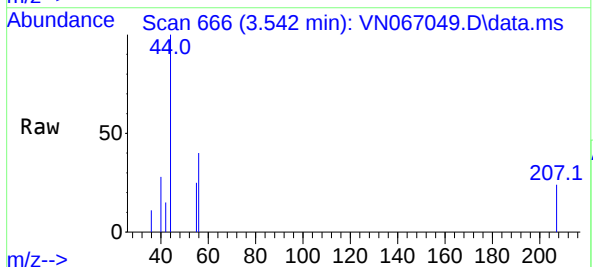
Instrument :
MSVOA_N
ClientSampleId :

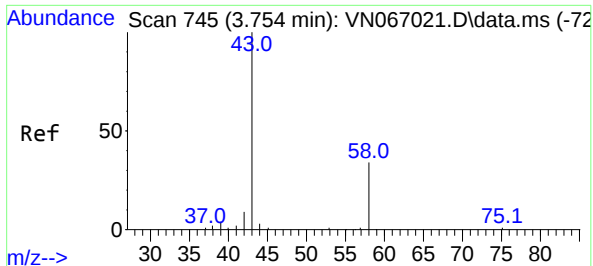
Tgt Ion:128 Resp: 99430
Ion Ratio Lower Upper
128 100
49 188.7 0.0 486.3
130 126.5 0.0 326.0



#13
Acrolein
Concen: 0.36 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 81.3 56.6 84.8

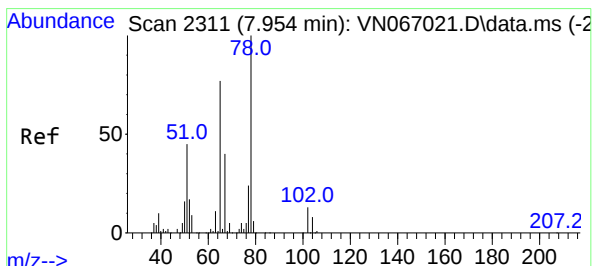
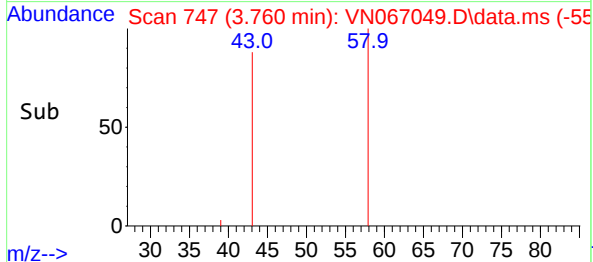
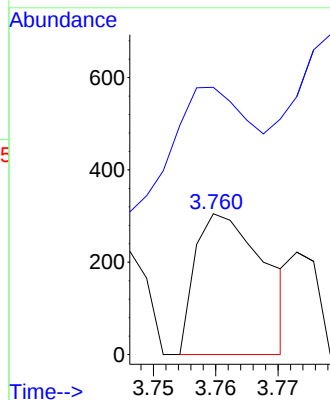
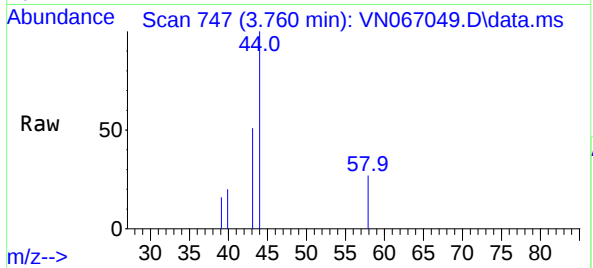




#15
Acetone
Concen: 0.25 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.005 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

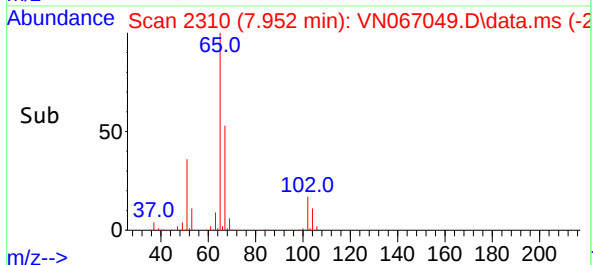
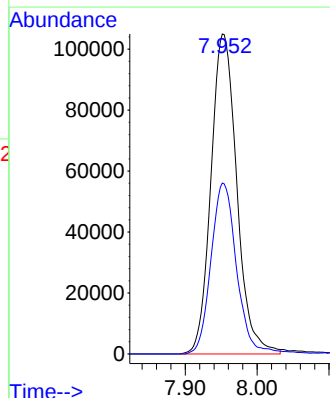
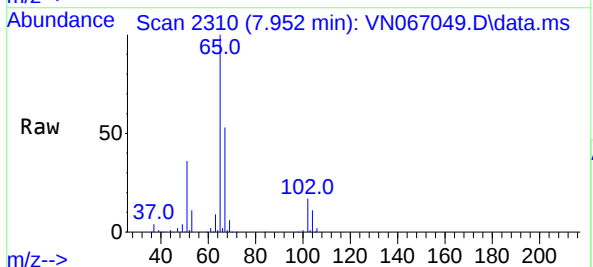
Instrument :
MSVOA_N
ClientSampled :

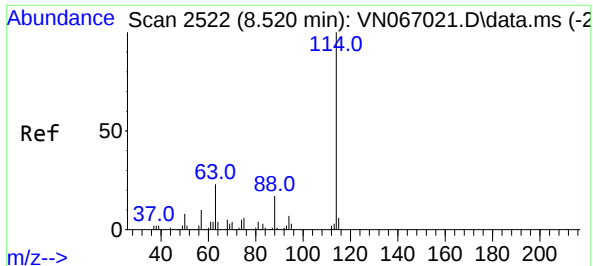
Tgt Ion: 58 Resp: 235
Ion Ratio Lower Upper
58 100
43 26.9 235.0 352.6#



#27
1,2-Dichloroethane-d4
Concen: 30.08 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Tgt Ion: 65 Resp: 262063
Ion Ratio Lower Upper
65 100
67 51.9 41.6 62.4



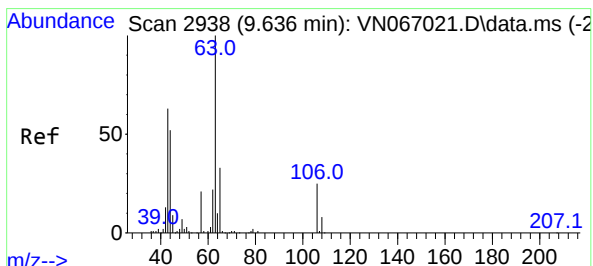
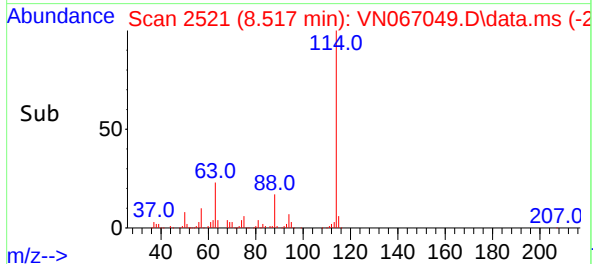
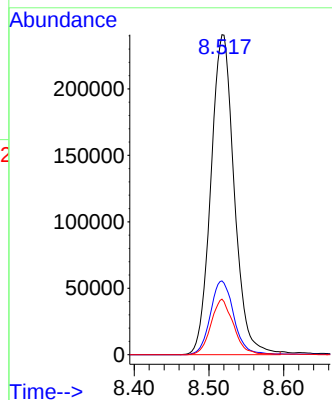
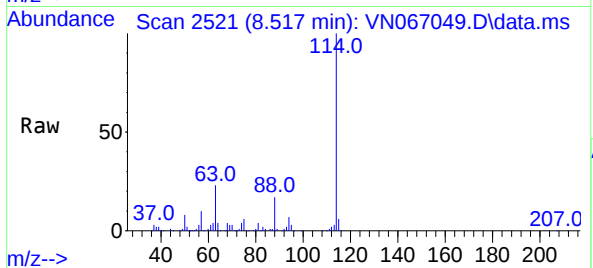


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

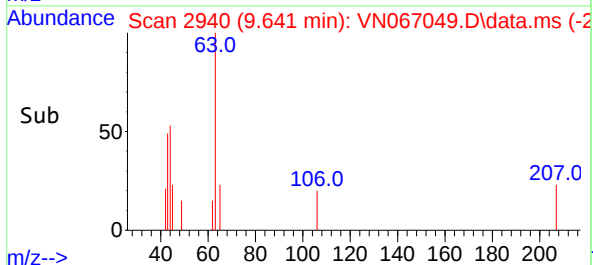
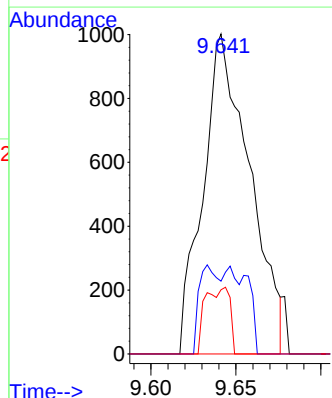
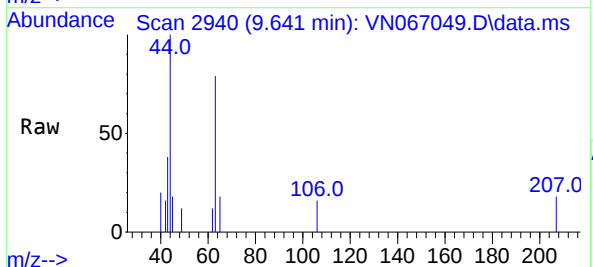
Tgt Ion:114 Resp: 521841
Ion Ratio Lower Upper
114 100
63 23.2 18.8 28.2
88 16.7 13.8 20.6

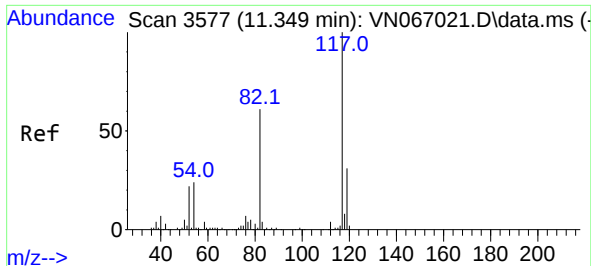


#55

2-Chloroethyl vinyl ether
Concen: 1.09 ug/l
RT: 9.641 min Scan# 2940
Delta R.T. 0.005 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

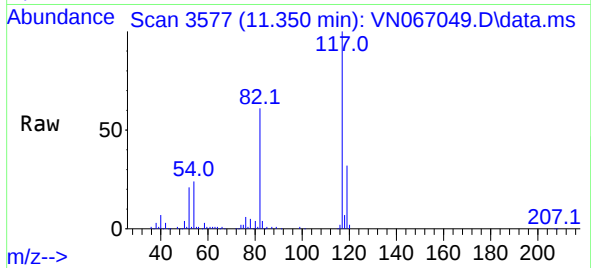
Tgt Ion: 63 Resp: 1913
Ion Ratio Lower Upper
63 100
65 2.5 25.4 38.2#
106 5.0 18.9 28.3#



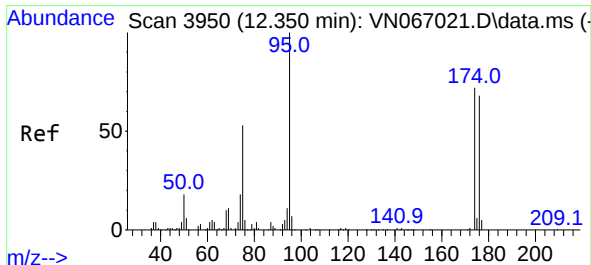
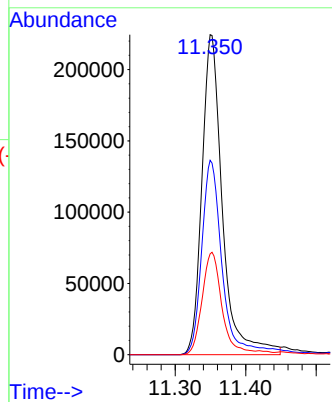
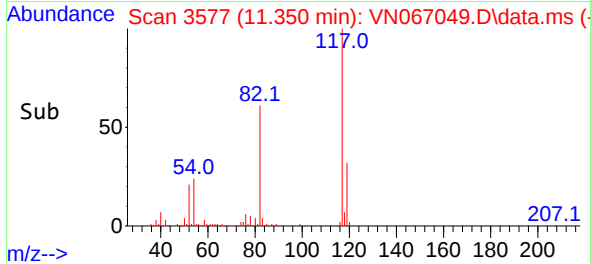


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. 0.001 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

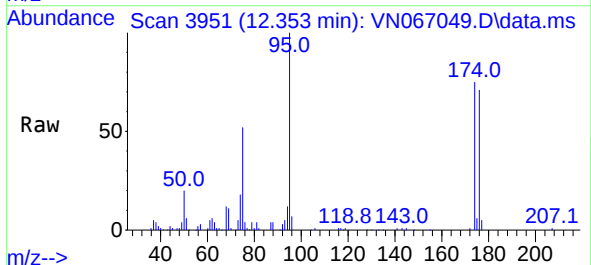
Instrument :
MSVOA_N
ClientSampled :



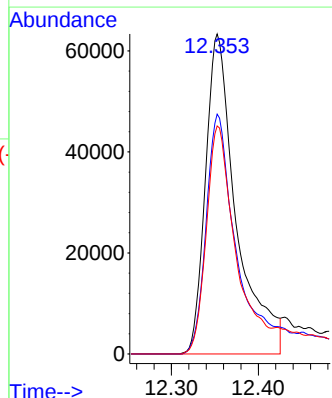
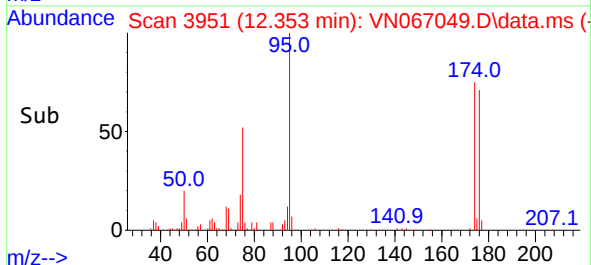
Tgt Ion:117 Resp: 453109
Ion Ratio Lower Upper
117 100
82 59.8 49.3 73.9
119 30.9 25.5 38.3

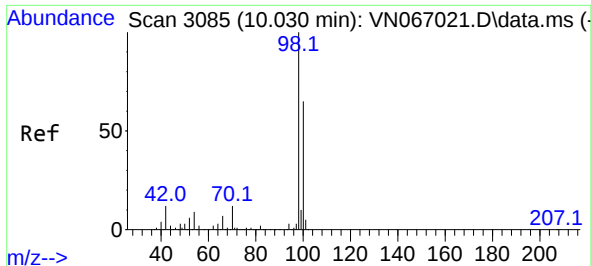


#60
4-Bromofluorobenzene
Concen: 20.72 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19



Tgt Ion: 95 Resp: 156178
Ion Ratio Lower Upper
95 100
174 72.5 57.2 85.8
176 67.9 54.5 81.7

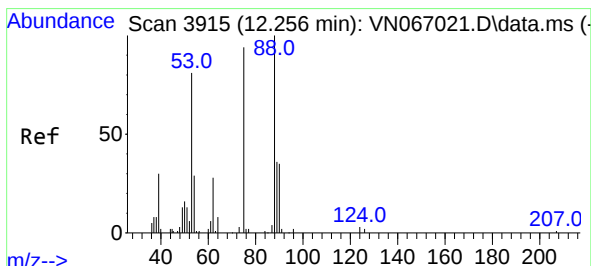
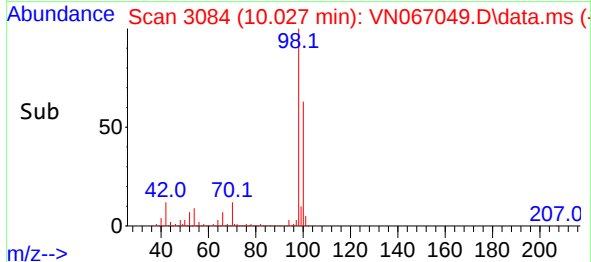
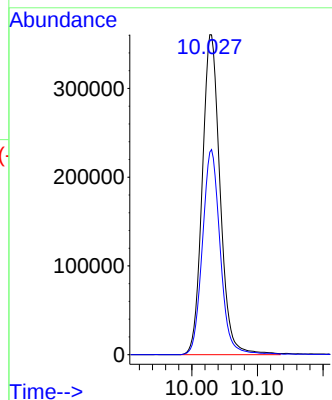
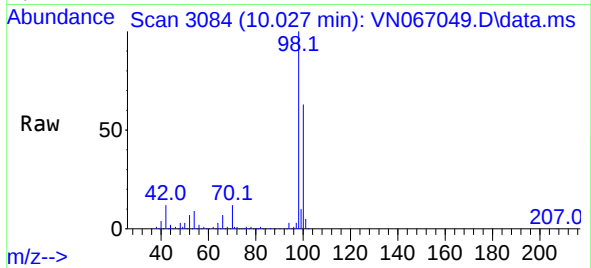




#63
Toluene-d8
Concen: 30.32 ug/l
RT: 10.027 min Scan# 3084
Delta R.T. -0.003 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

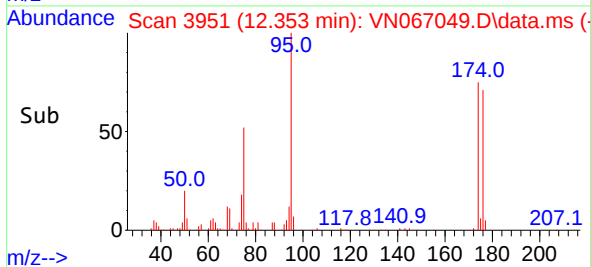
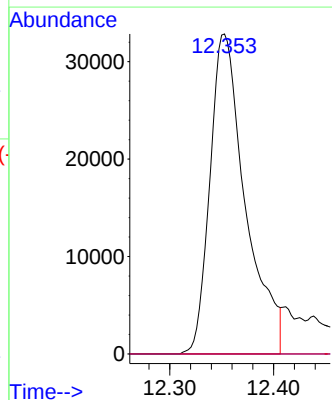
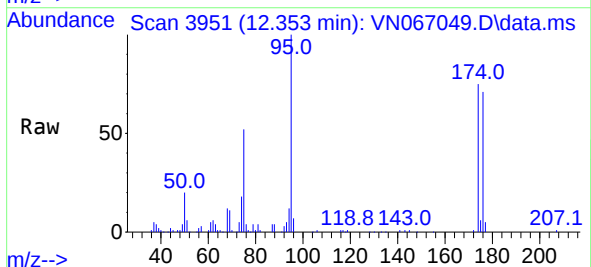
Instrument :
MSVOA_N
ClientSampled :

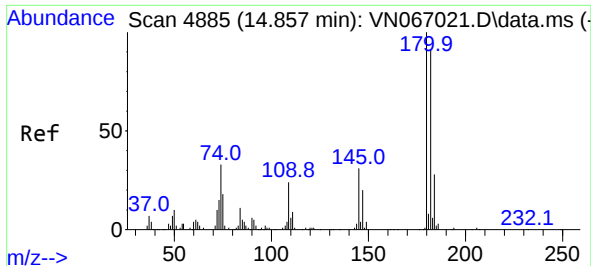
Tgt Ion: 98 Resp: 680603
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 29.22 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.097 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Tgt Ion: 75 Resp: 78100
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

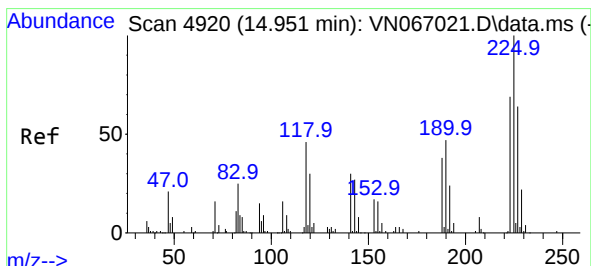
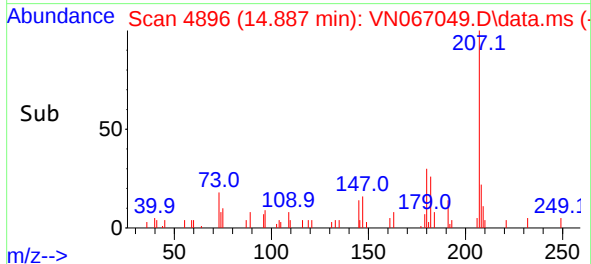
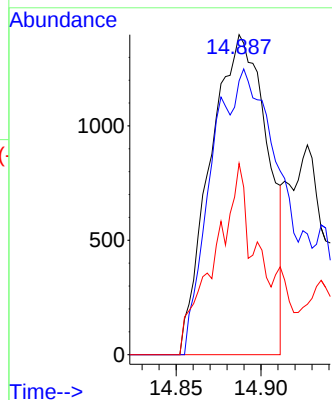
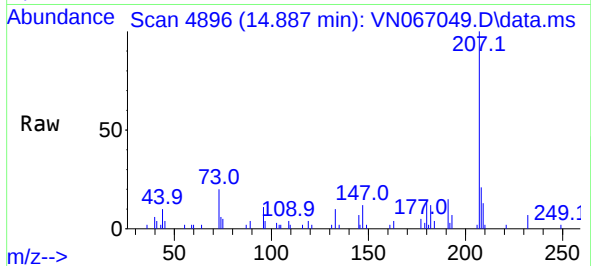




#89
1,2,4-Trichlorobenzene
Concen: 0.57 ug/l
RT: 14.887 min Scan# 4896
Delta R.T. 0.030 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

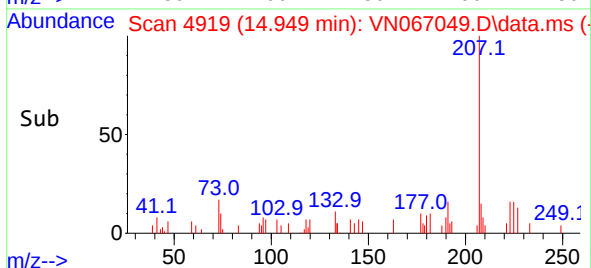
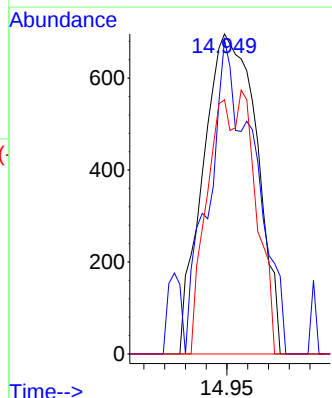
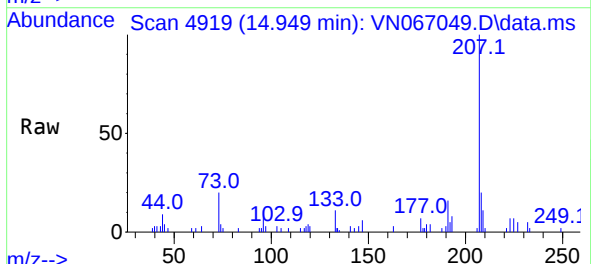
Instrument :
MSVOA_N
ClientSampled :

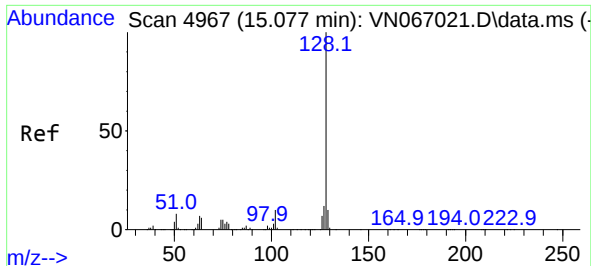
Tgt Ion:180 Resp: 3288
Ion Ratio Lower Upper
180 100
182 0.0 78.6 117.8#
145 16.1 25.0 37.4#



#90
Hexachlorobutadiene
Concen: 0.32 ug/l
RT: 14.949 min Scan# 4919
Delta R.T. -0.003 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Tgt Ion:225 Resp: 1251
Ion Ratio Lower Upper
225 100
223 19.0 0.0 137.2
227 36.7 0.0 127.8

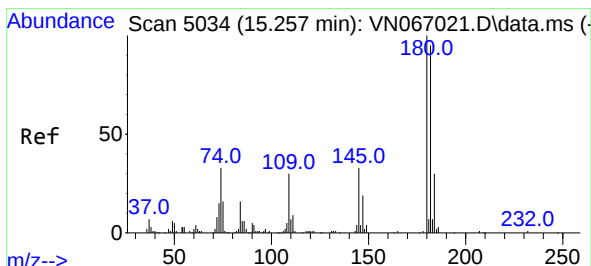
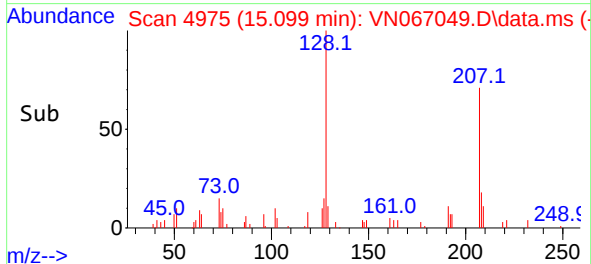
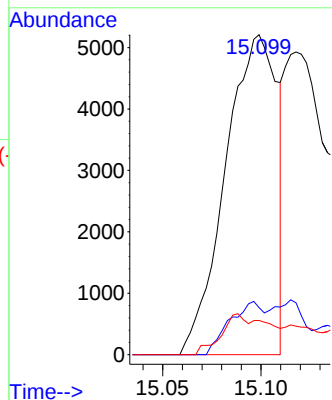
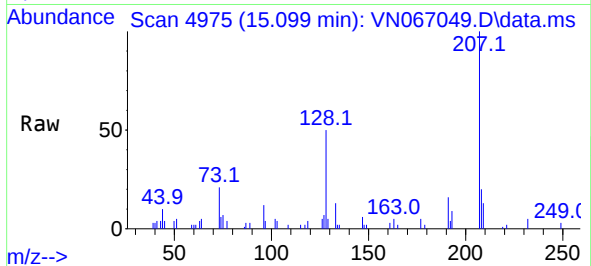




#91
Naphthalene
Concen: 0.61 ug/l
RT: 15.099 min Scan# 4975
Delta R.T. 0.022 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 9503
Ion Ratio Lower Upper
128 100
127 10.9 9.8 14.6
129 4.3 7.8 11.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.59 ug/l
RT: 15.268 min Scan# 5038
Delta R.T. 0.011 min
Lab File: VN067049.D
Acq: 7 May 2021 14:19

Tgt Ion:180 Resp: 3536
Ion Ratio Lower Upper
180 100
182 130.0 0.0 184.4
145 5.7 0.0 67.6

