

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067056.D
 Acq On : 7 May 2021 17:22
 Operator : JC/MD
 Sample : M2257-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 03:25:48 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)

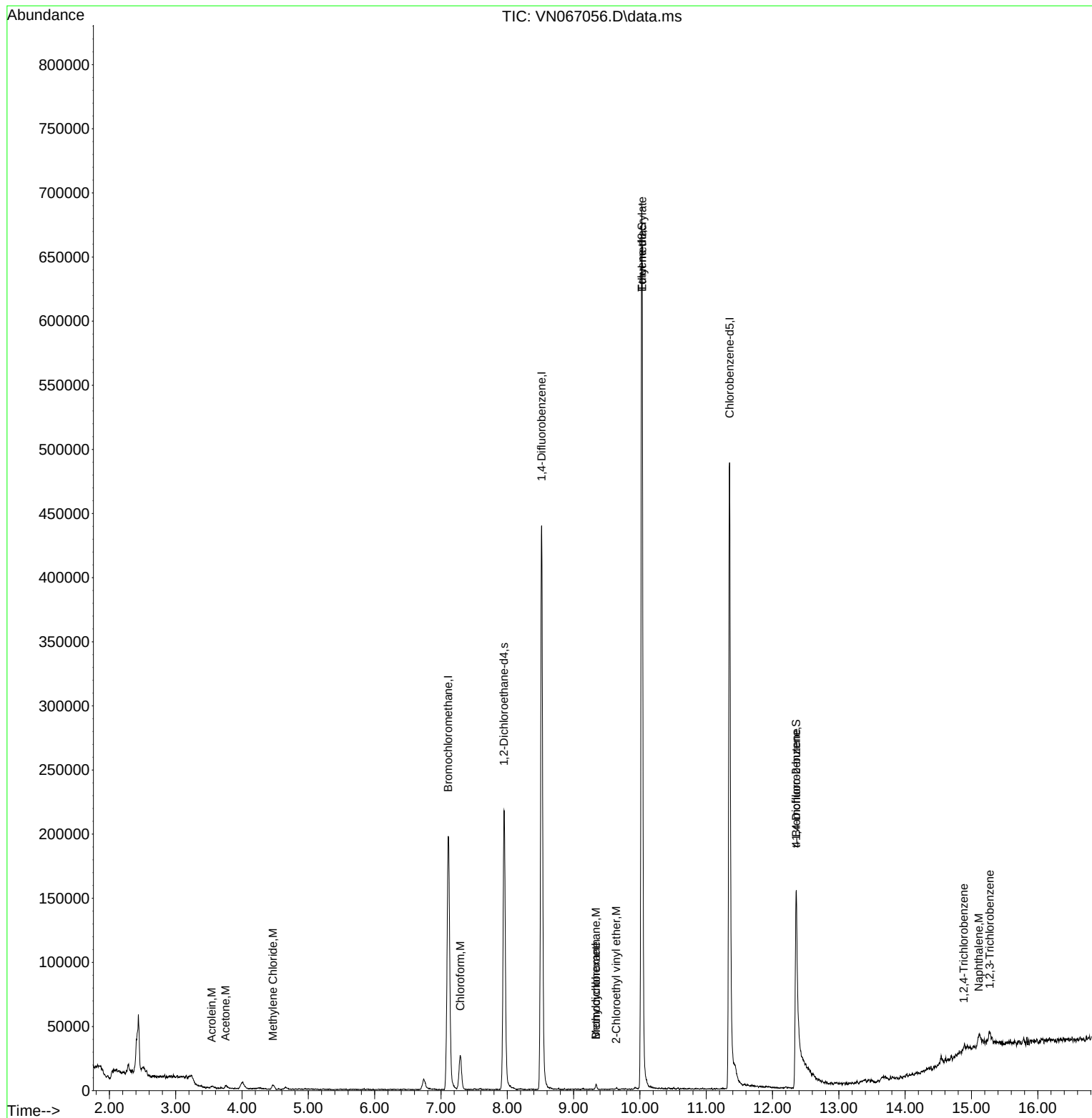
Internal Standards						
1) Bromochloromethane	7.109	128	76977	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.517	114	381978	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	307949	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.952	65	198992	29.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.33%
60) 4-Bromofluorobenzene	12.355	95	86536	16.89	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	56.30%#
63) Toluene-d8	10.030	98	489117	32.07	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.90%
Target Compounds						
					Qvalue	
13) Acrolein	3.542	56	693	0.68	ug/l	95
15) Acetone	3.749	58	408	0.57	ug/l #	1
18) Methylene Chloride	4.465	84	1662	0.28	ug/l #	74
25) Chloroform	7.292	83	29119	2.87	ug/l	94
38) Methylcyclohexane	9.338	83	3061	0.46	ug/l #	15
41) Bromodichloromethane	9.338	83	3061	0.39	ug/l #	98
51) Ethyl methacrylate	10.033	69	2115	0.31	ug/l	98
55) 2-Chloroethyl vinyl ether	9.641	63	328	0.26	ug/l #	47
77) t-1,4-Dichloro-2-butene	12.355	75	38491	23.22	ug/l #	16
89) 1,2,4-Trichlorobenzene	14.882	180	802	0.21	ug/l #	54
91) Naphthalene	15.110	128	8171	0.77	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.273	180	2312	0.57	ug/l	82

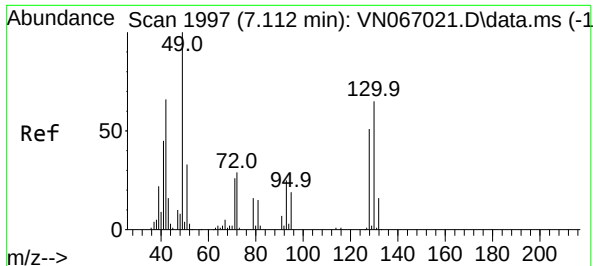
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

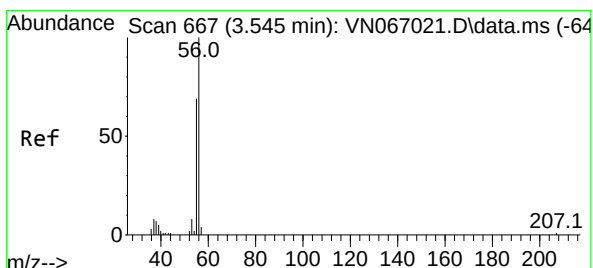
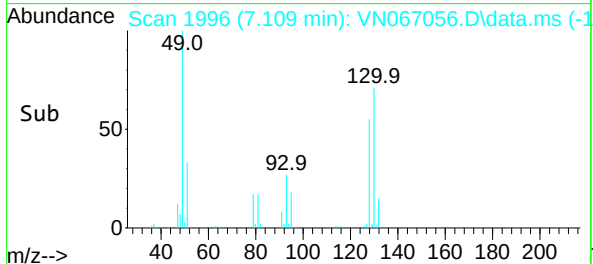
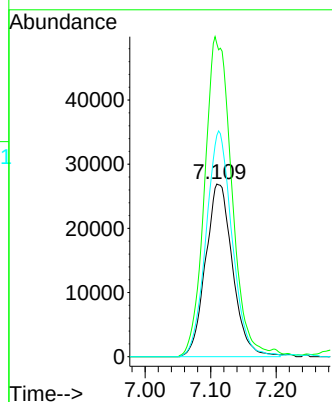
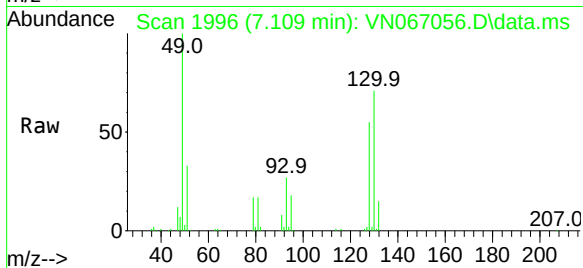




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.109 min Scan# 1996
Delta R.T. -0.003 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

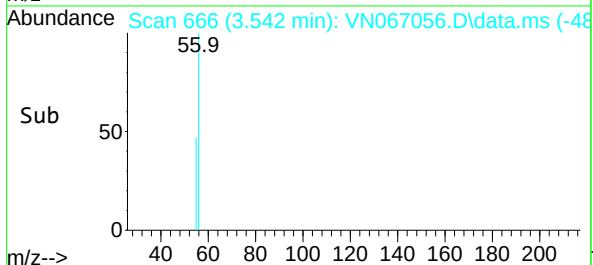
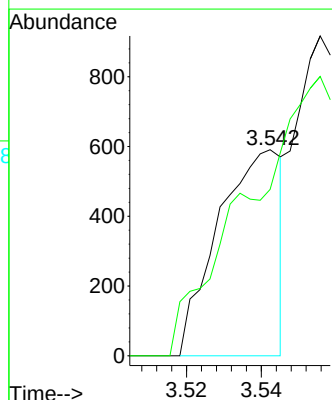
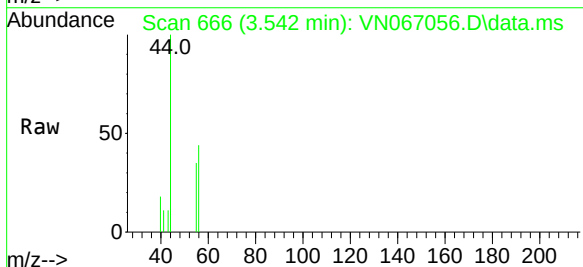
Instrument :
MSVOA_N
ClientSampleId :

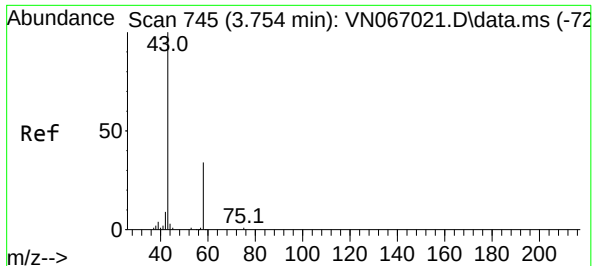
Tgt Ion:128 Resp: 76977
Ion Ratio Lower Upper
128 100
49 97.9 0.0 486.3
130 125.5 0.0 326.0



#13
Acrolein
Concen: 0.68 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

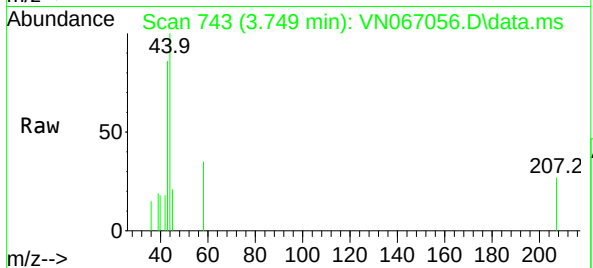
Tgt Ion: 56 Resp: 693
Ion Ratio Lower Upper
56 100
55 66.7 56.6 84.8



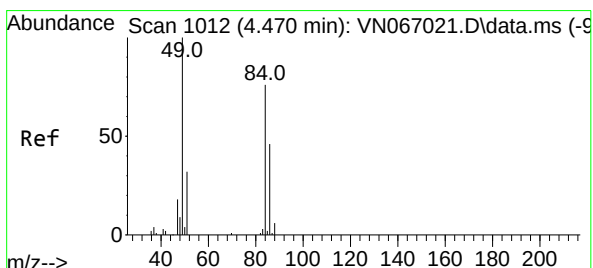
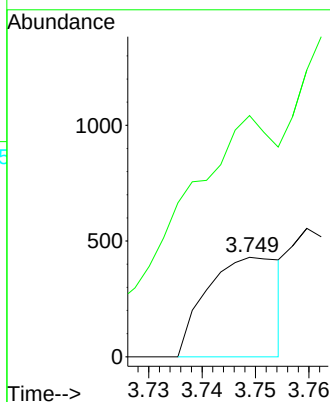
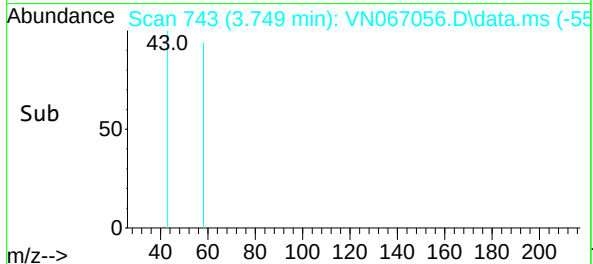


#15
Acetone
Concen: 0.57 ug/l
RT: 3.749 min Scan# 743
Delta R.T. -0.005 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

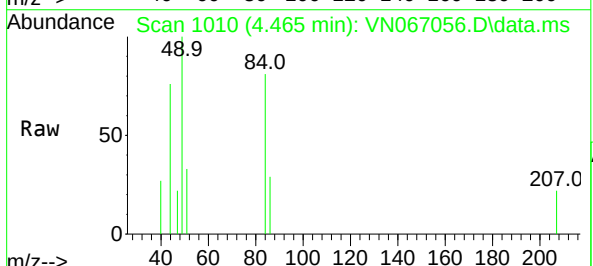
Instrument :
MSVOA_N
ClientSampled :



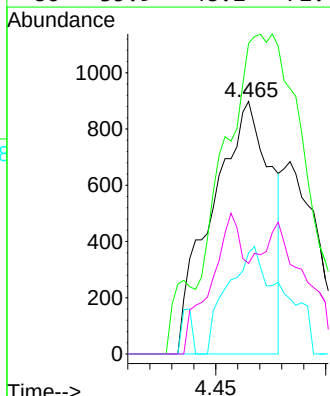
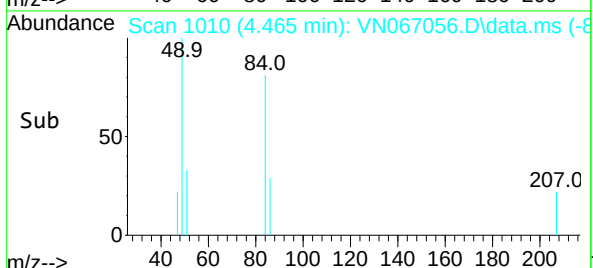
Tgt Ion: 58 Resp: 408
Ion Ratio Lower Upper
58 100
43 87.7 235.0 352.6#

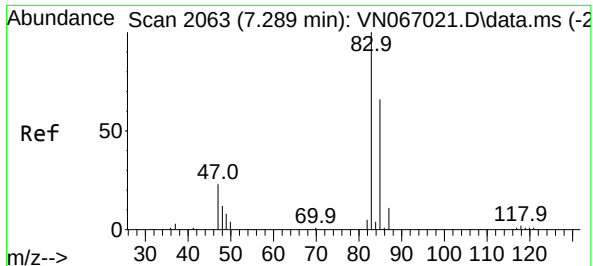


#18
Methylene Chloride
Concen: 0.28 ug/l
RT: 4.465 min Scan# 1010
Delta R.T. -0.005 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22



Tgt Ion: 84 Resp: 1662
Ion Ratio Lower Upper
84 100
49 95.3 105.0 157.6#
51 40.1 33.3 49.9
86 35.9 48.2 72.4#



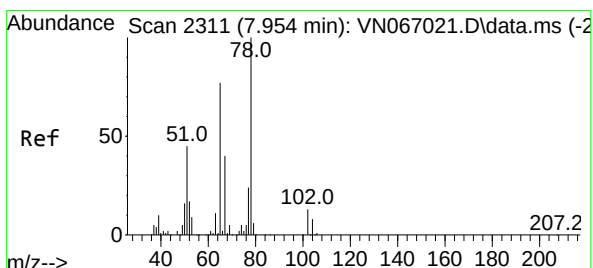
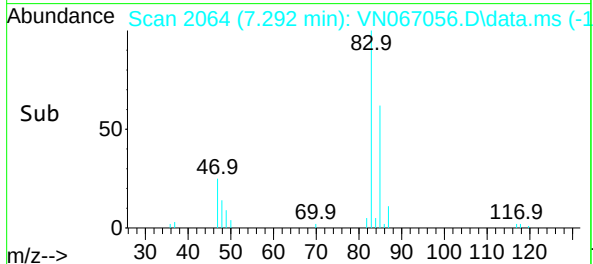
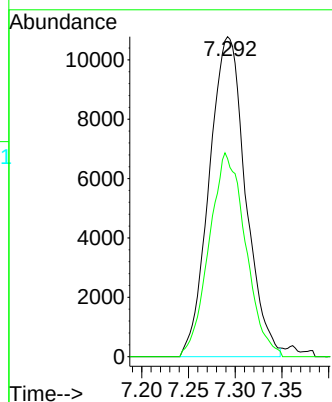
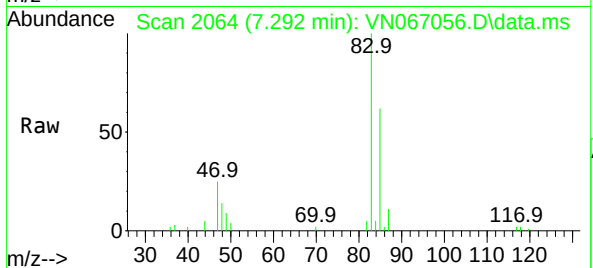


#25

Chloroform
Concen: 2.87 ug/l
RT: 7.292 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Instrument :
MSVOA_N
ClientSampled :

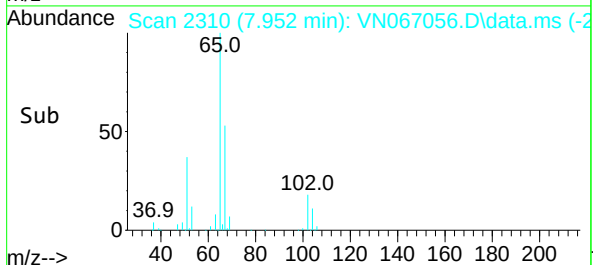
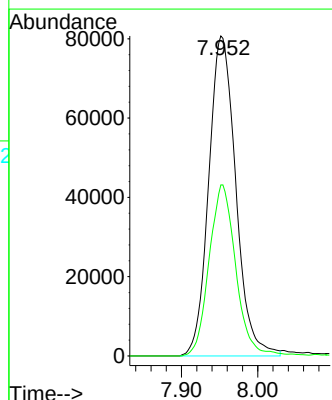
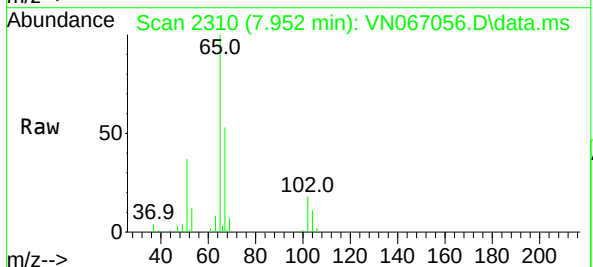
Tgt Ion: 83 Resp: 29119
Ion Ratio Lower Upper
83 100
85 61.9 53.0 79.6

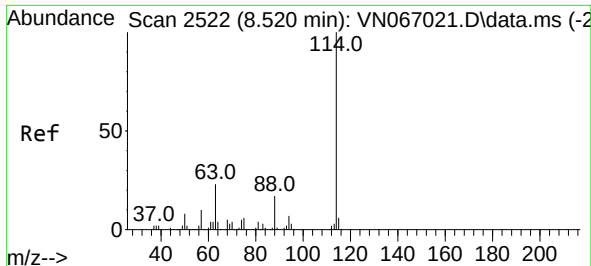


#27

1,2-Dichloroethane-d4
Concen: 29.50 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Tgt Ion: 65 Resp: 198992
Ion Ratio Lower Upper
65 100
67 52.0 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: VN067056.D

Acq: 7 May 2021 17:22

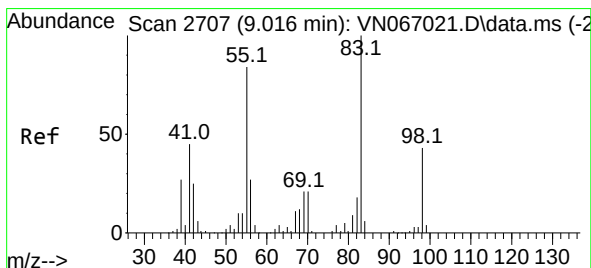
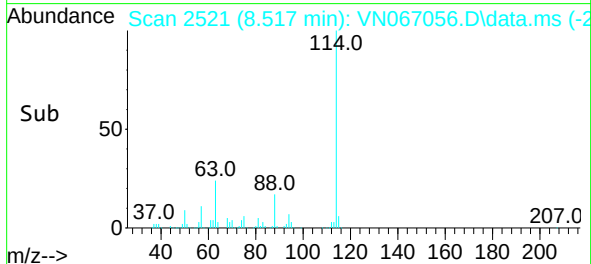
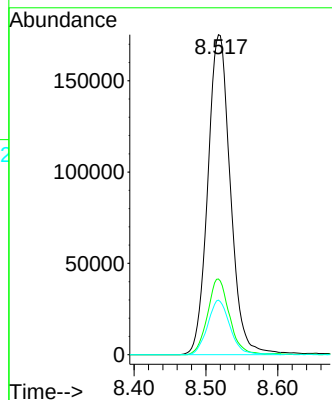
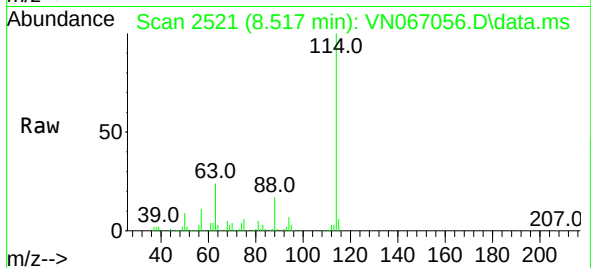
Tgt Ion:114 Resp: 381978

Ion Ratio Lower Upper

114 100

63 23.0 18.8 28.2

88 16.8 13.8 20.6



#38

Methylcyclohexane

Concen: 0.46 ug/l

RT: 9.338 min Scan# 2827

Delta R.T. 0.322 min

Lab File: VN067056.D

Acq: 7 May 2021 17:22

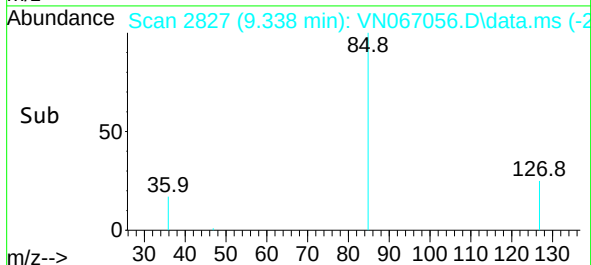
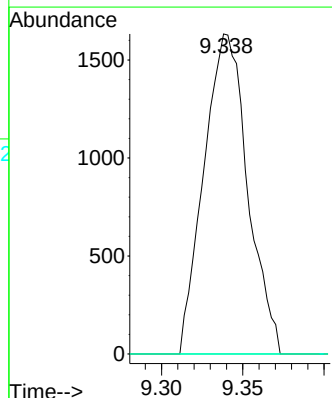
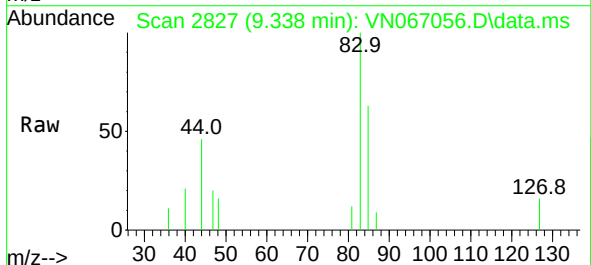
Tgt Ion: 83 Resp: 3061

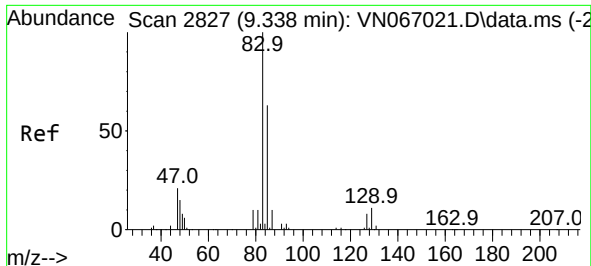
Ion Ratio Lower Upper

83 100

55 0.0 43.1 129.3#

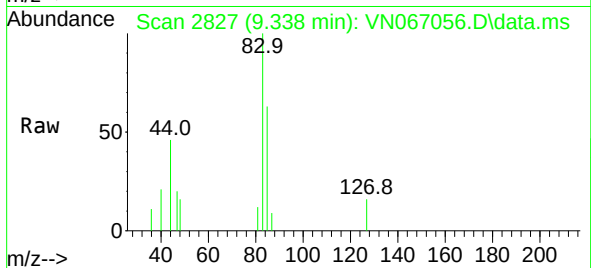
98 0.0 22.0 66.0#



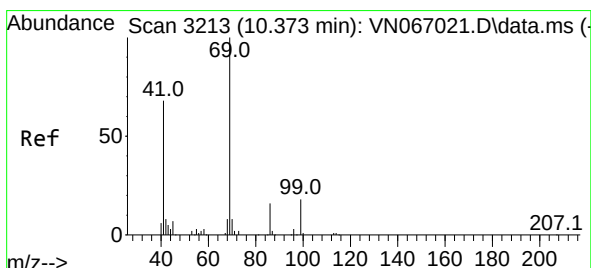
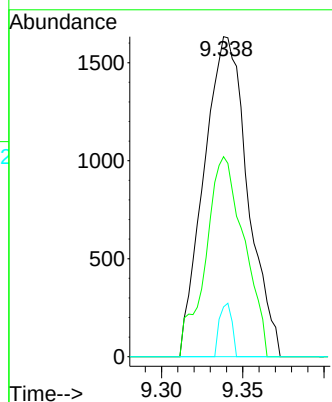
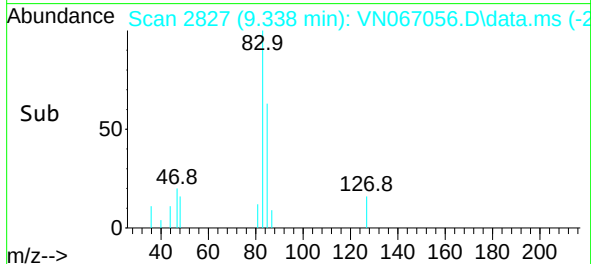


#41
Bromodichloromethane
Concen: 0.39 ug/l
RT: 9.338 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

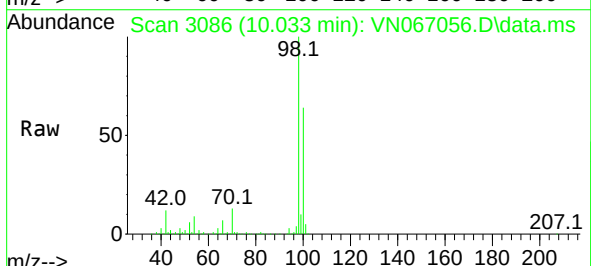
Instrument :
MSVOA_N
ClientSampled :



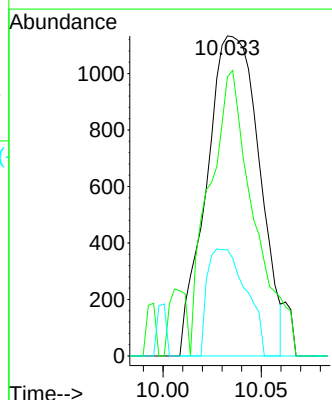
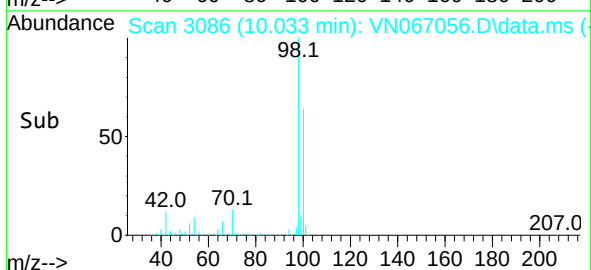
Tgt Ion: 83 Resp: 3061
Ion Ratio Lower Upper
83 100
85 62.5 50.0 75.0
127 15.6 6.5 9.7#

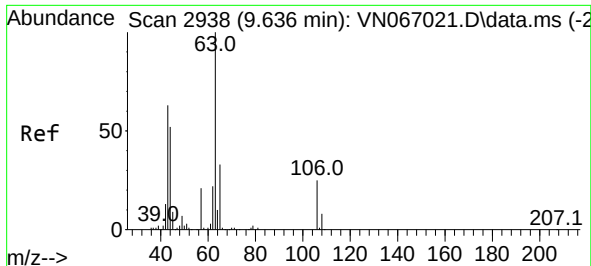


#51
Ethyl methacrylate
Concen: 0.31 ug/l
RT: 10.033 min Scan# 3086
Delta R.T. -0.341 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22



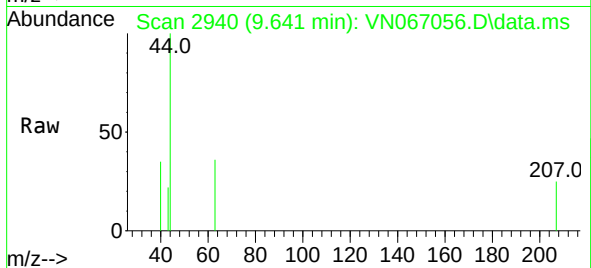
Tgt Ion: 69 Resp: 2115
Ion Ratio Lower Upper
69 100
41 68.8 33.9 101.7
39 33.2 17.3 51.9



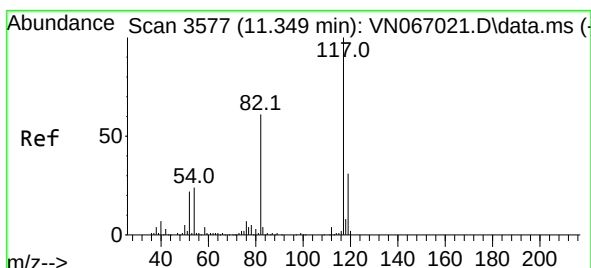
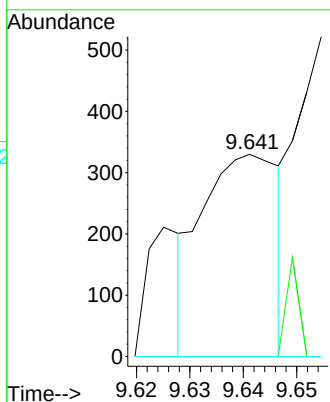
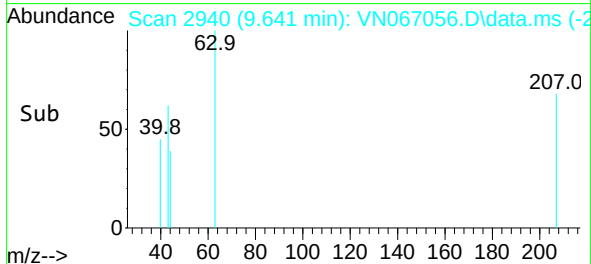


#55
2-Chloroethyl vinyl ether
Concen: 0.26 ug/l
RT: 9.641 min Scan# 2940
Delta R.T. 0.005 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

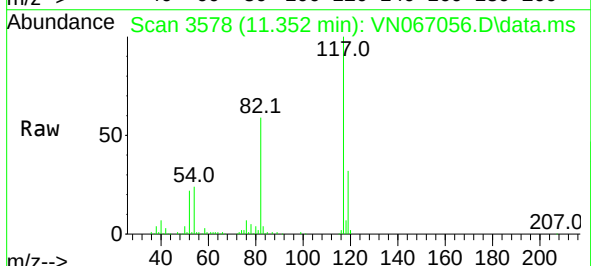
Instrument :
MSVOA_N
ClientSampled :



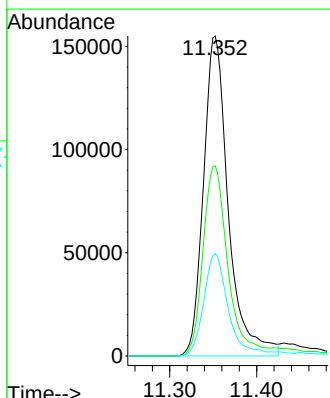
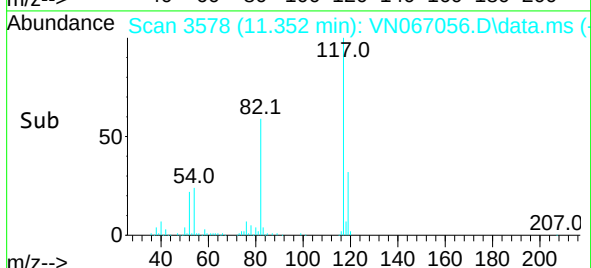
Tgt Ion: 63 Resp: 328
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#
106 0.0 18.9 28.3#

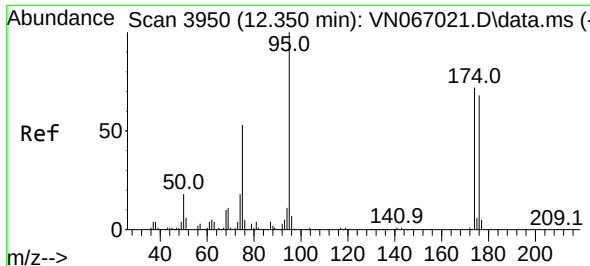


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22



Tgt Ion: 117 Resp: 307949
Ion Ratio Lower Upper
117 100
82 59.4 49.3 73.9
119 31.3 25.5 38.3

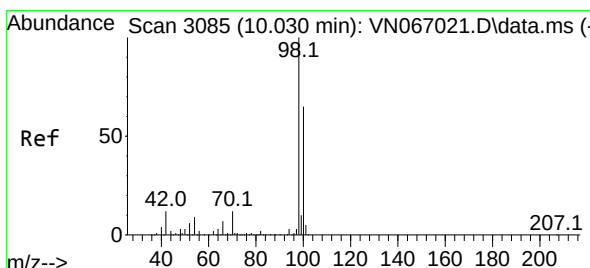
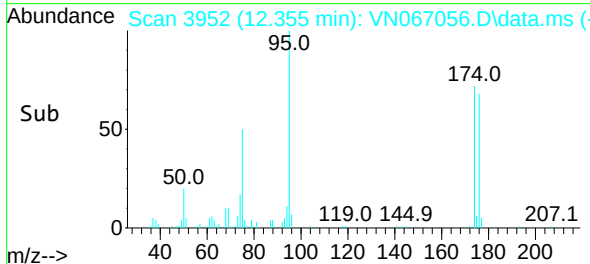
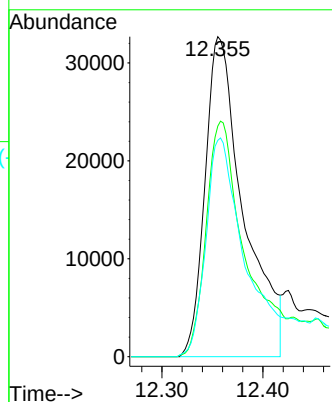
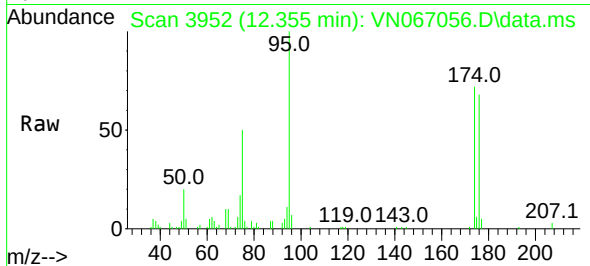




#60
4-Bromofluorobenzene
Concen: 16.89 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

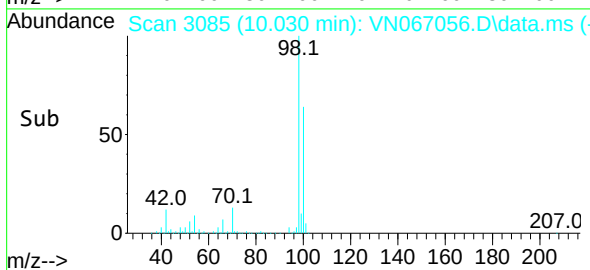
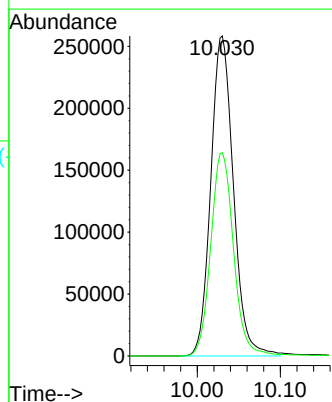
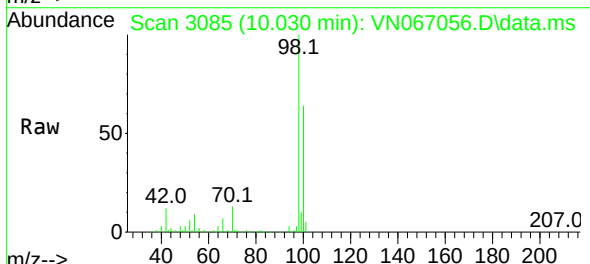
Instrument :
MSVOA_N
ClientSampled :

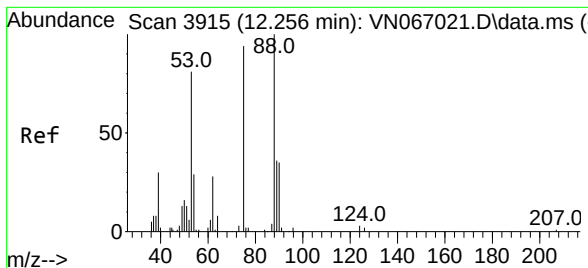
Tgt Ion: 95 Resp: 86536
Ion Ratio Lower Upper
95 100
174 74.3 57.2 85.8
176 73.2 54.5 81.7



#63
Toluene-d8
Concen: 32.07 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

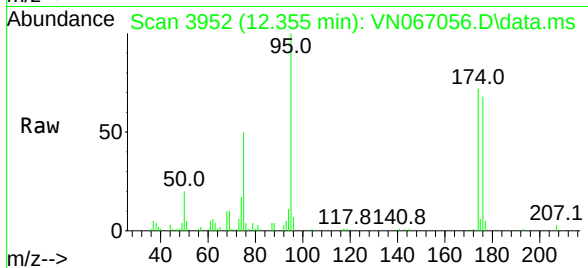
Tgt Ion: 98 Resp: 489117
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



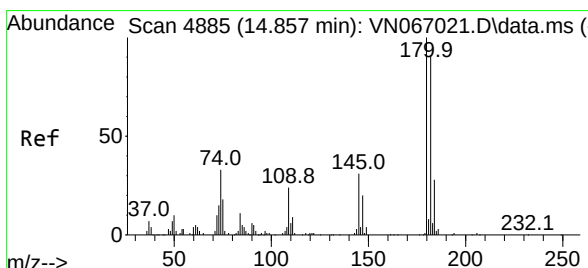
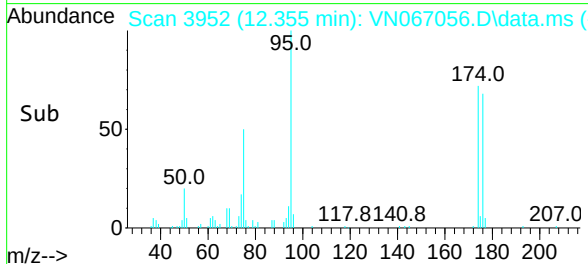
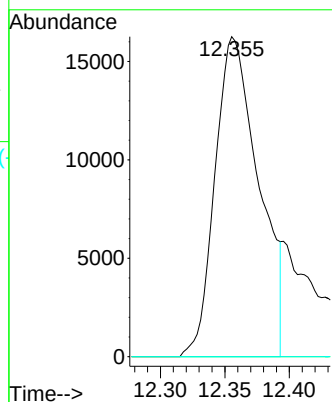


#77
t-1,4-Dichloro-2-butene
Concen: 23.22 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Instrument :
MSVOA_N
ClientSampled :

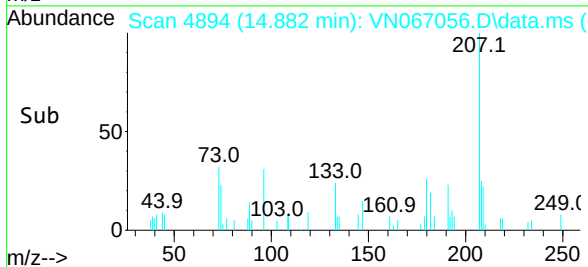
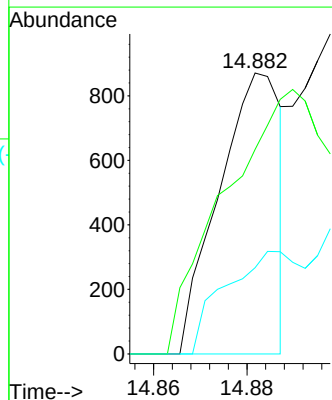
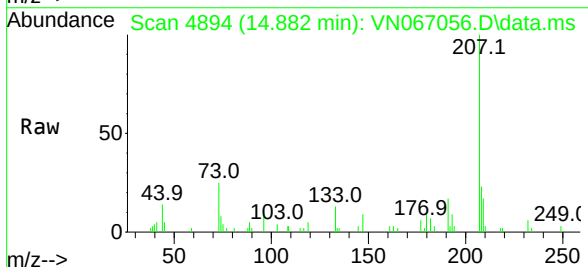


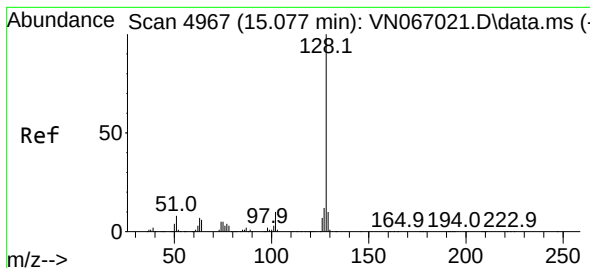
Tgt Ion: 75 Resp: 38491
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#



#89
1,2,4-Trichlorobenzene
Concen: 0.21 ug/l
RT: 14.882 min Scan# 4894
Delta R.T. 0.024 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Tgt Ion: 180 Resp: 802
Ion Ratio Lower Upper
180 100
182 149.8 78.6 117.8#
145 45.5 25.0 37.4#

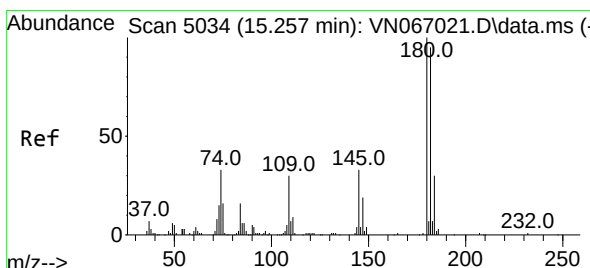
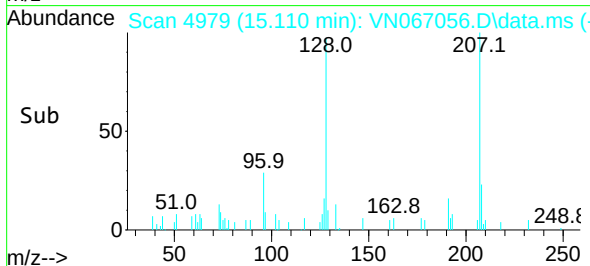
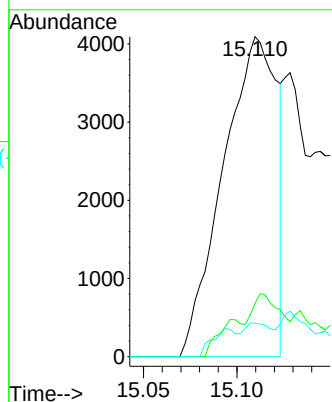
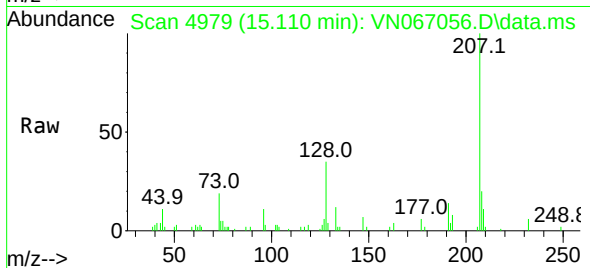




#91
Naphthalene
Concen: 0.77 ug/l
RT: 15.110 min Scan# 4979
Delta R.T. 0.032 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 8171
Ion Ratio Lower Upper
128 100
127 10.0 9.8 14.6
129 4.6 7.8 11.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.57 ug/l
RT: 15.273 min Scan# 5040
Delta R.T. 0.016 min
Lab File: VN067056.D
Acq: 7 May 2021 17:22

Tgt Ion:180 Resp: 2312
Ion Ratio Lower Upper
180 100
182 102.2 0.0 184.4
145 11.4 0.0 67.6

