

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067038.D
 Acq On : 7 May 2021 3:34
 Operator : JC/MD
 Sample : M2274-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: May 07 07:33:21 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)

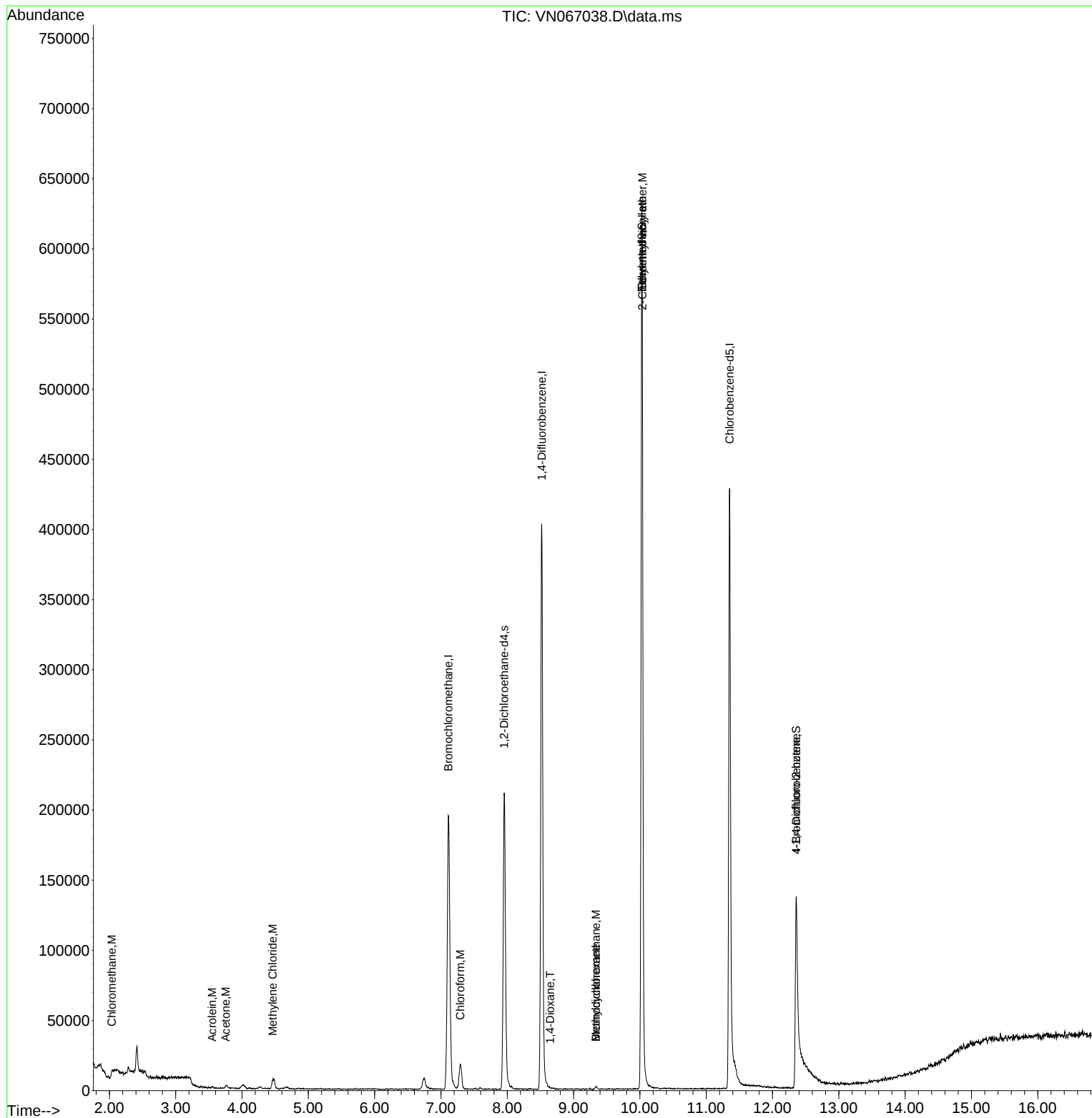
Internal Standards						
1) Bromochloromethane	7.112	128	74330	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	348167	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	290130	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	193460	29.70	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.00%		
60) 4-Bromofluorobenzene	12.355	95	79837	16.54	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	55.13%#		
63) Toluene-d8	10.030	98	450928	31.38	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.60%		
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1777	0.23	ug/l	89
13) Acrolein	3.550	56	466	0.47	ug/l	89
15) Acetone	3.754	58	421	0.61	ug/l #	5
18) Methylene Chloride	4.462	84	1768	0.31	ug/l	89
25) Chloroform	7.289	83	20710	2.12	ug/l	95
38) Methylcyclohexane	9.338	83	1699	0.28	ug/l #	15
41) Bromodichloromethane	9.338	83	1699	0.24	ug/l #	69
45) 1,4-Dioxane	8.646	88	123	1.84	ug/l #	19
51) Ethyl methacrylate	10.033	69	1298	0.21	ug/l	78
55) 2-Chloroethyl vinyl ether	10.038	63	264	0.23	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.358	75	40892	25.24	ug/l #	16

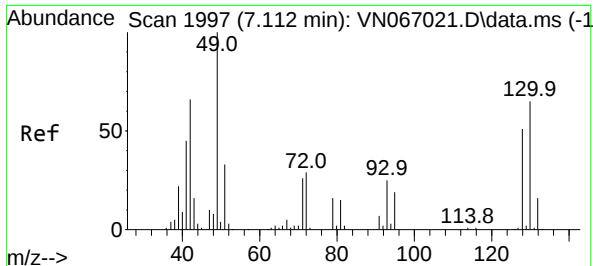
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 07:26:20 2021
Response via : Initial Calibration

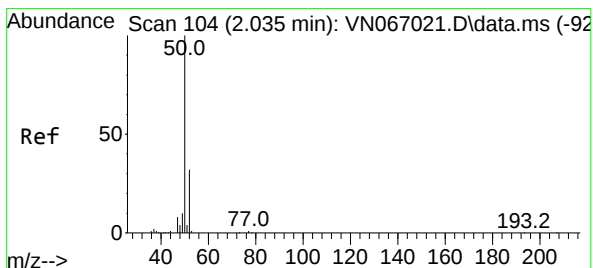
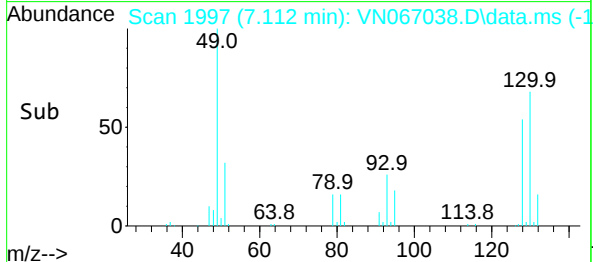
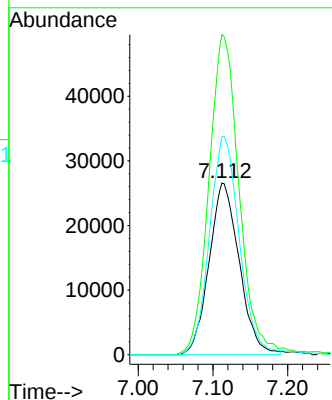
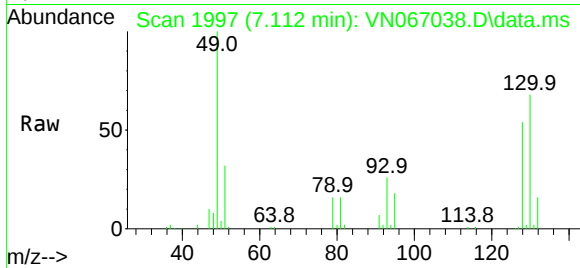




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.112 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

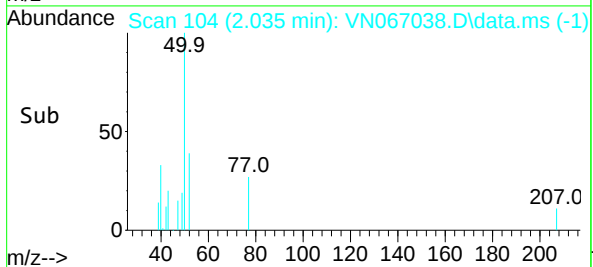
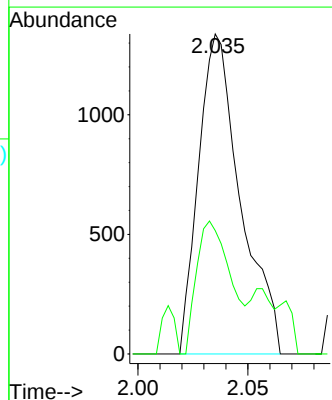
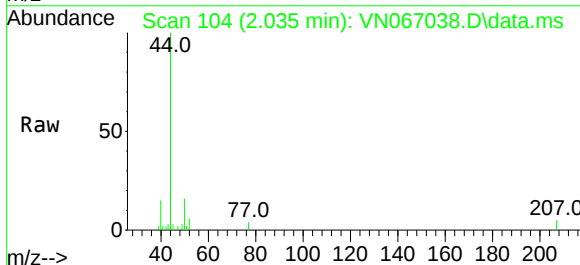
Instrument :
MSVOA_N
ClientSampleId :
14B-2

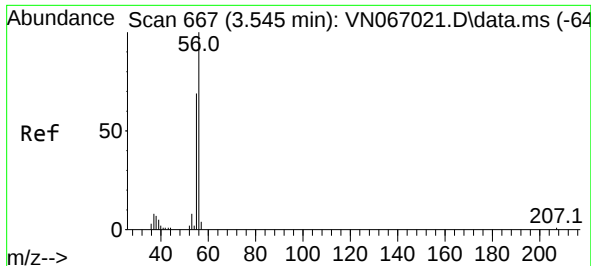
Tgt Ion:128 Resp: 74330
Ion Ratio Lower Upper
128 100
49 183.8 0.0 486.3
130 126.0 0.0 326.0



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

Tgt Ion: 50 Resp: 1777
Ion Ratio Lower Upper
50 100
52 38.6 25.9 38.9

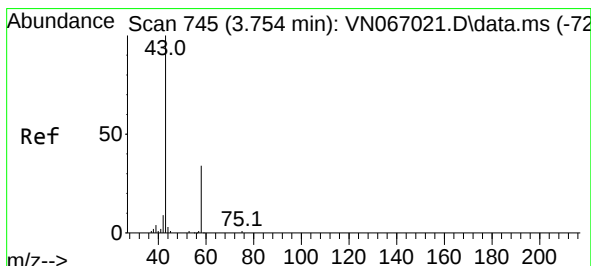
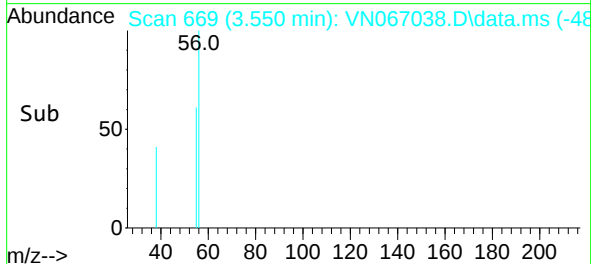
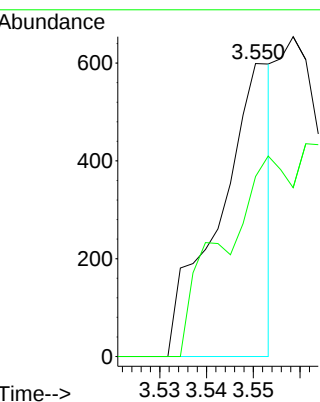
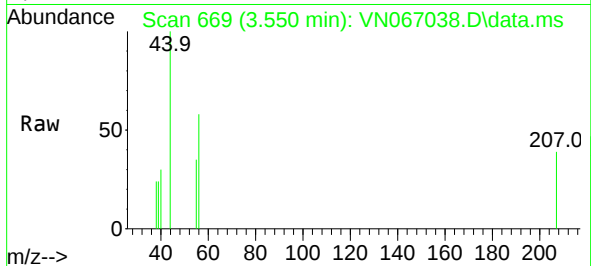




#13
Acrolein
Concen: 0.47 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.006 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

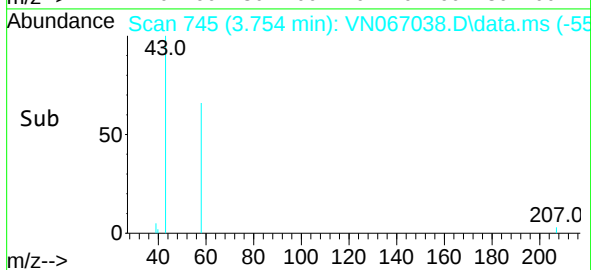
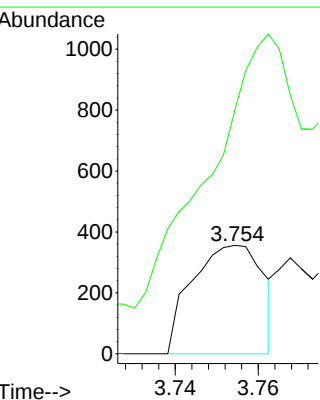
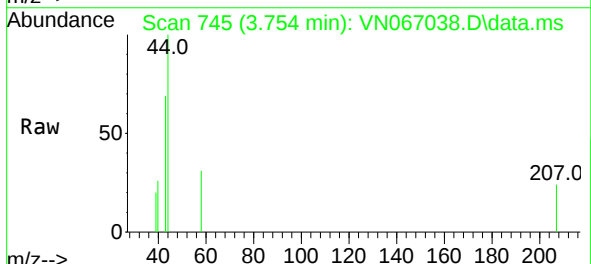
Instrument :
MSVOA_N
ClientSampled :
14B-2

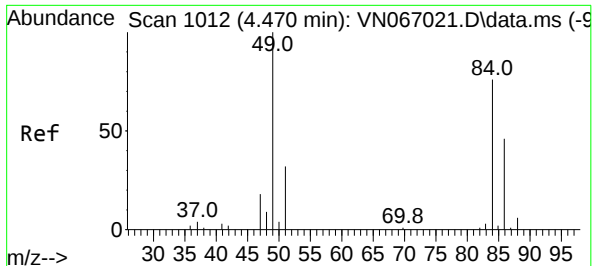
Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
55 61.4 56.6 84.8



#15
Acetone
Concen: 0.61 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

Tgt Ion: 58 Resp: 421
Ion Ratio Lower Upper
58 100
43 109.0 235.0 352.6#





#18

Methylene Chloride

Concen: 0.31 ug/l

RT: 4.462 min Scan# 1009

Delta R.T. -0.008 min

Lab File: VN067038.D

Acq: 7 May 2021 3:34

Tgt Ion: 84 Resp: 1768

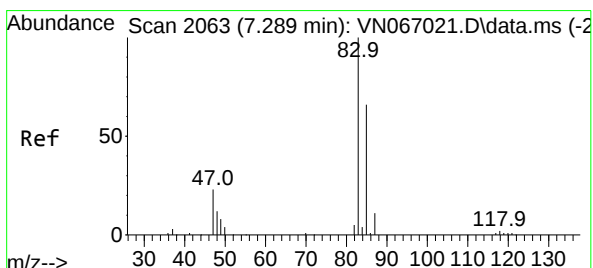
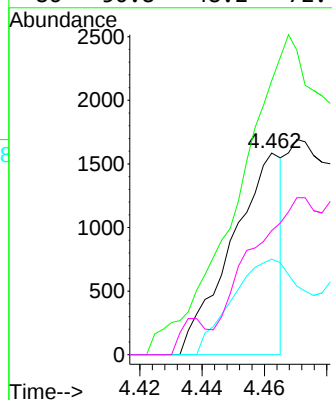
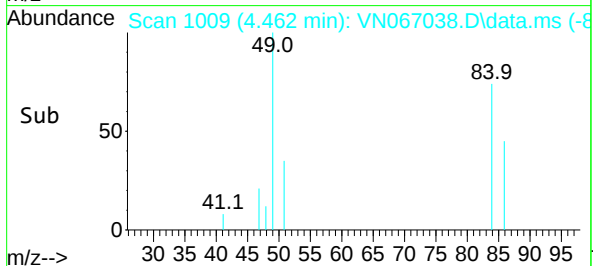
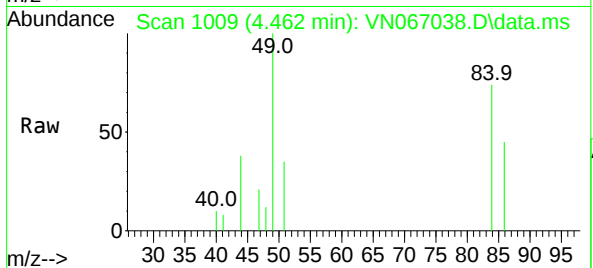
Ion Ratio Lower Upper

84 100

49 119.1 105.0 157.6

51 47.4 33.3 49.9

86 50.8 48.2 72.4



#25

Chloroform

Concen: 2.12 ug/l

RT: 7.289 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VN067038.D

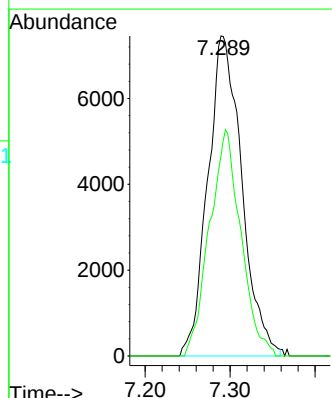
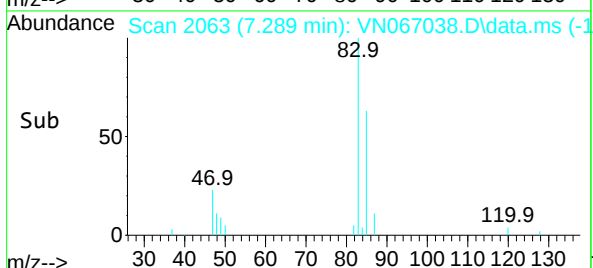
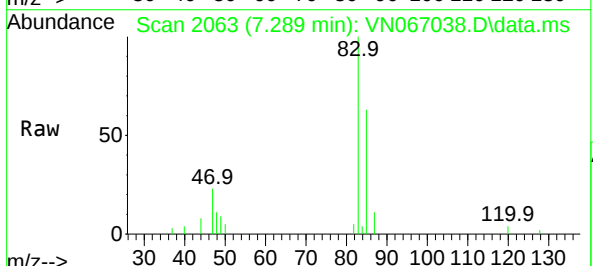
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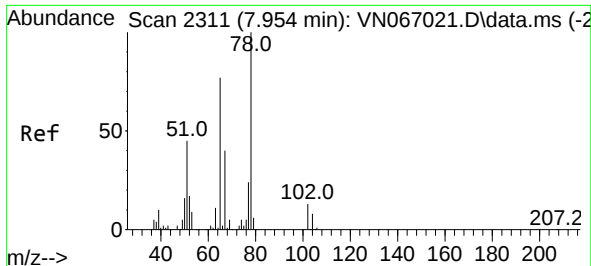
Tgt Ion: 83 Resp: 20710

Ion Ratio Lower Upper

83 100

85 62.7 53.0 79.6





#27

1,2-Dichloroethane-d4

Concen: 29.70 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN067038.D

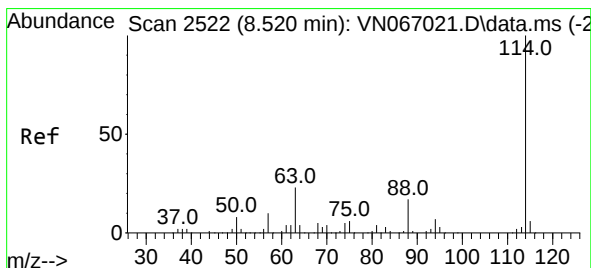
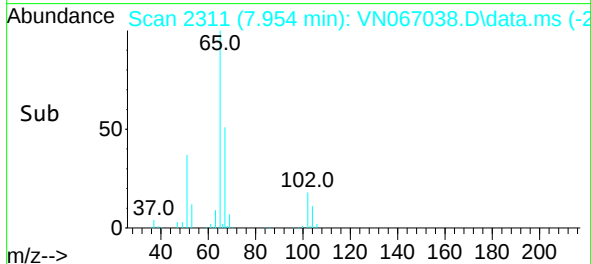
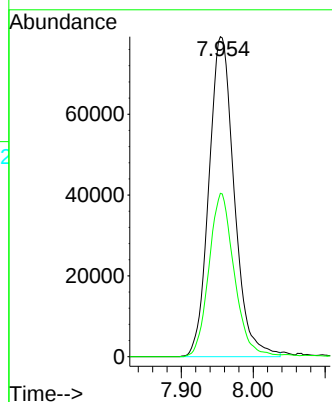
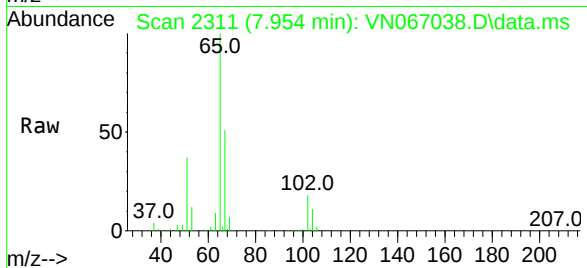
Acq: 7 May 2021 3:34

Tgt Ion: 65 Resp: 193460

Ion Ratio Lower Upper

65 100

67 51.1 41.6 62.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.520 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VN067038.D

Acq: 7 May 2021 3:34

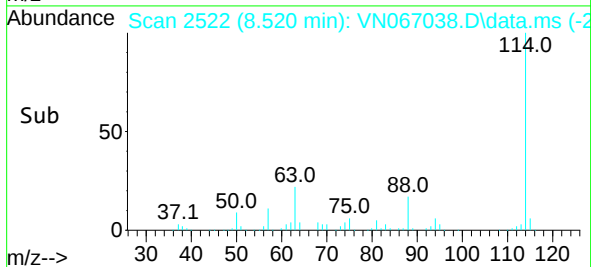
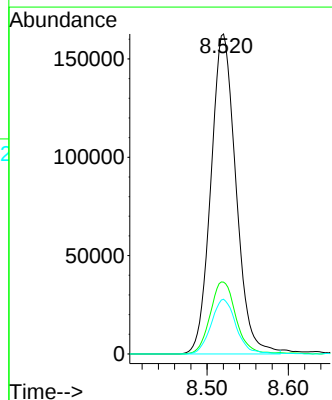
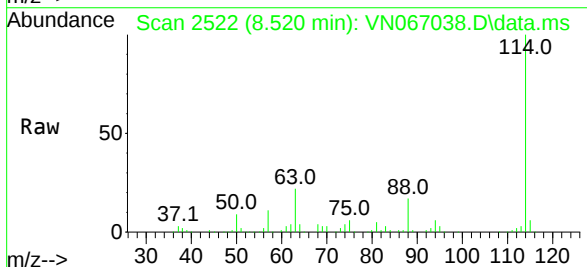
Tgt Ion: 114 Resp: 348167

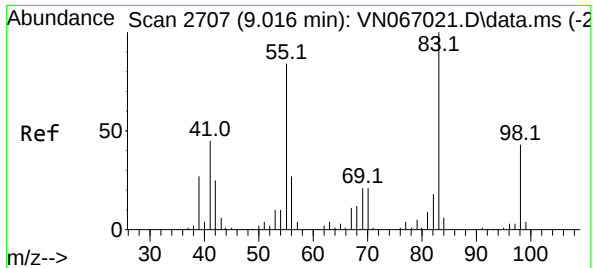
Ion Ratio Lower Upper

114 100

63 23.0 18.8 28.2

88 16.9 13.8 20.6

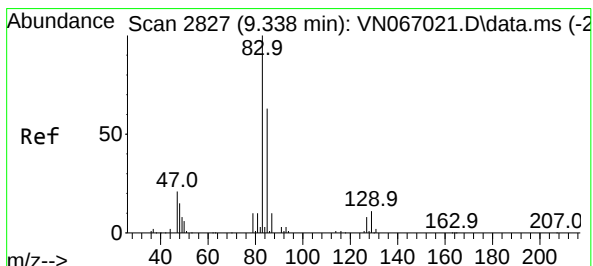
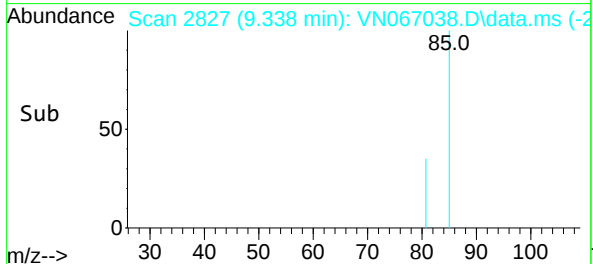
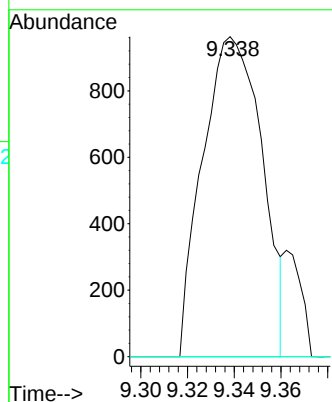
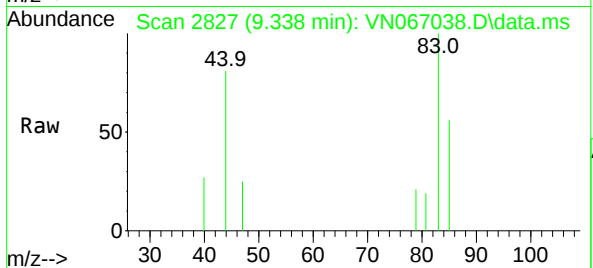




#38
Methylcyclohexane
Concen: 0.28 ug/l
RT: 9.338 min Scan# 2827
Delta R.T. 0.322 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

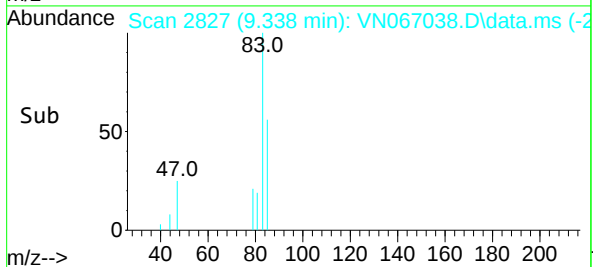
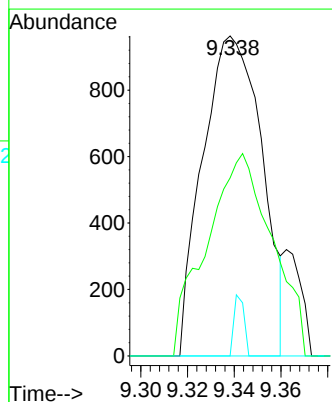
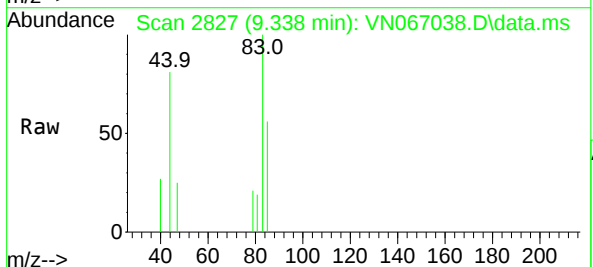
Instrument :
MSVOA_N
ClientSampled :
14B-2

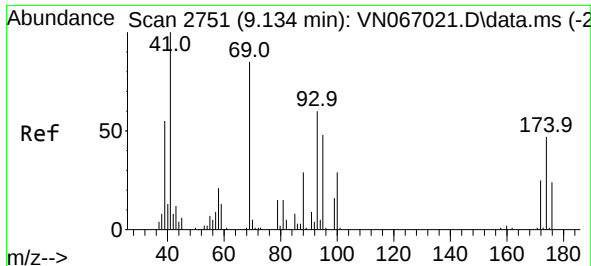
Tgt Ion: 83 Resp: 1699
Ion Ratio Lower Upper
83 100
55 0.0 43.1 129.3#
98 0.0 22.0 66.0#



#41
Bromodichloromethane
Concen: 0.24 ug/l
RT: 9.338 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

Tgt Ion: 83 Resp: 1699
Ion Ratio Lower Upper
83 100
85 37.6 50.0 75.0#
127 0.0 6.5 9.7#

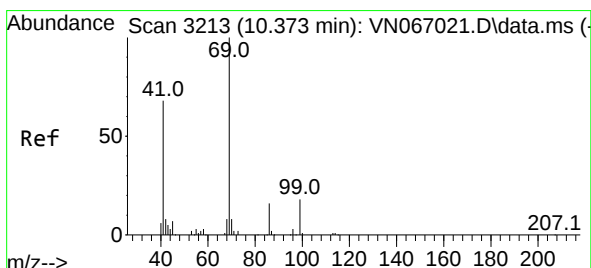
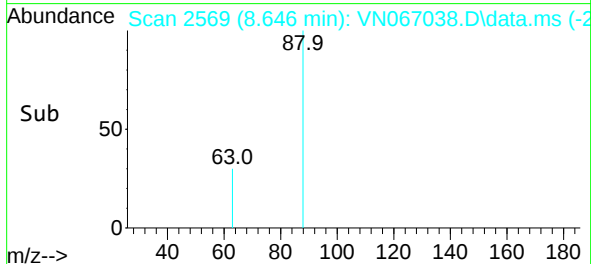
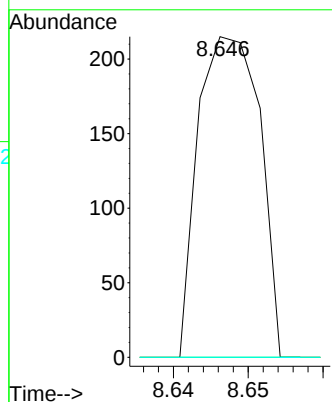
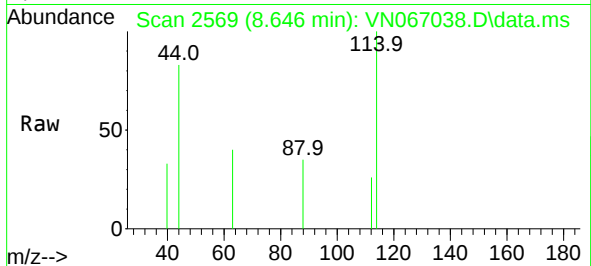




#45
1,4-Dioxane
Concen: 1.84 ug/l
RT: 8.646 min Scan# 2569
Delta R.T. -0.488 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

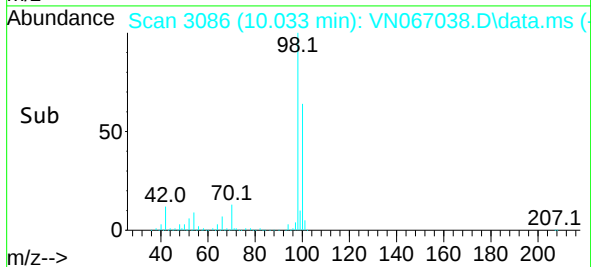
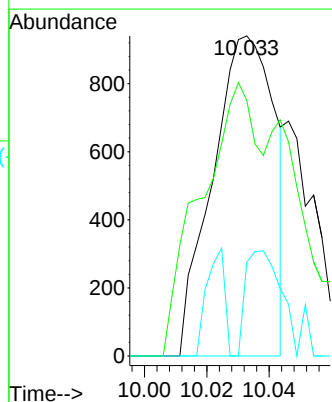
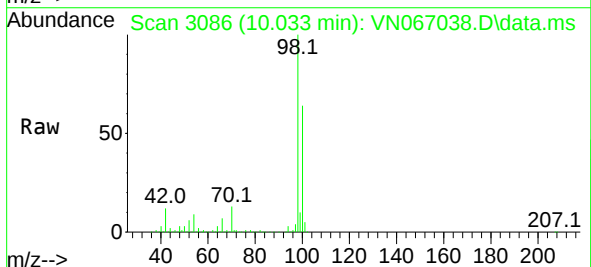
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ClientSampled :
14B-2

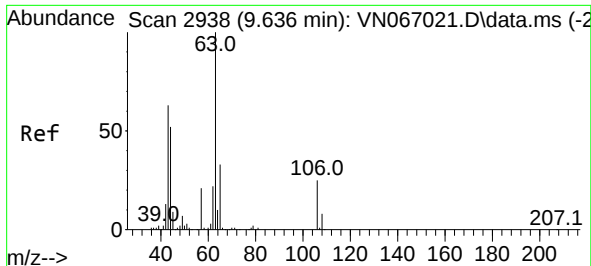
Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 0.0 28.0 42.0#
58 0.0 62.8 94.2#



#51
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 10.033 min Scan# 3086
Delta R.T. -0.340 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

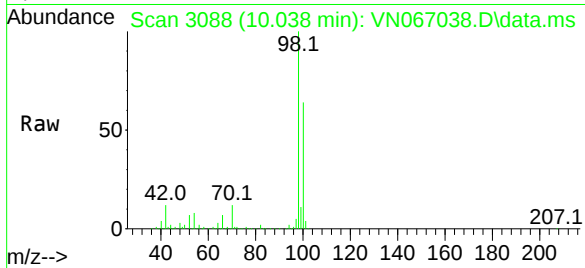
Tgt Ion: 69 Resp: 1298
Ion Ratio Lower Upper
69 100
41 45.2 33.9 101.7
39 29.3 17.3 51.9



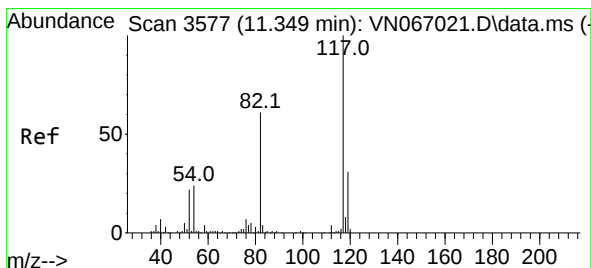
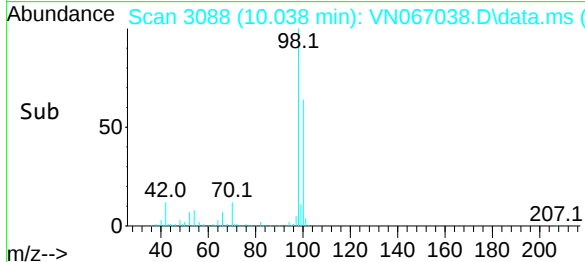
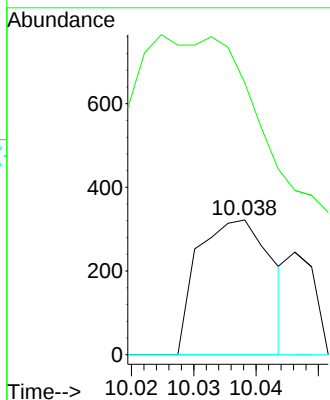


#55
2-Chloroethyl vinyl ether
Concen: 0.23 ug/l
RT: 10.038 min Scan# 3088
Delta R.T. 0.402 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

Instrument :
MSVOA_N
ClientSampled :
14B-2

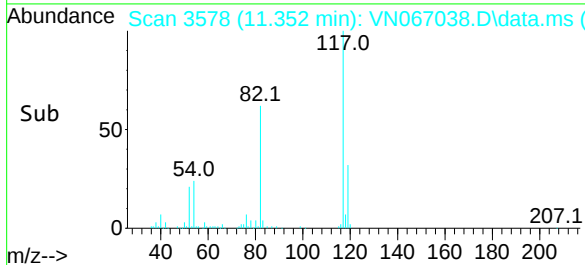
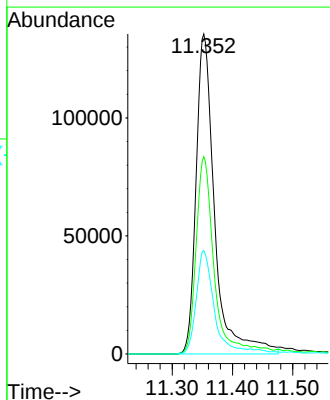
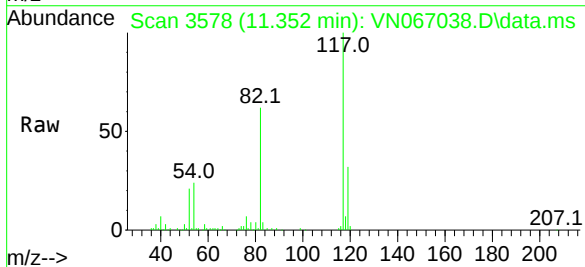


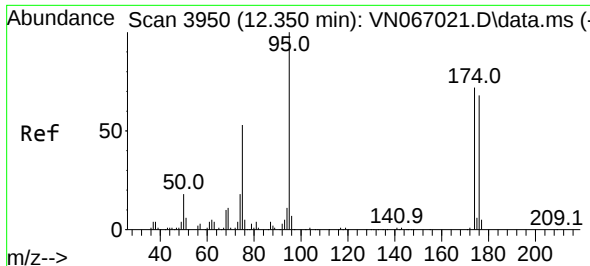
Tgt Ion: 63 Resp: 264
Ion Ratio Lower Upper
63 100
65 210.6 25.4 38.2#
106 0.0 18.9 28.3#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

Tgt Ion: 117 Resp: 290130
Ion Ratio Lower Upper
117 100
82 57.4 49.3 73.9
119 30.8 25.5 38.3

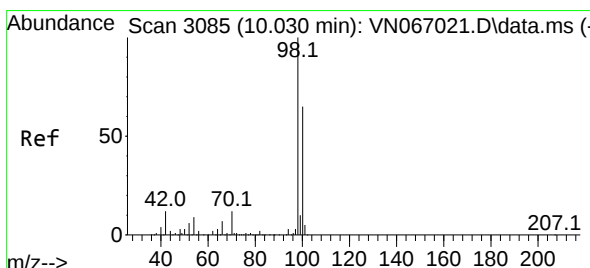
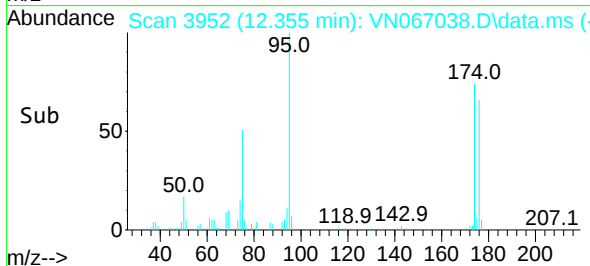
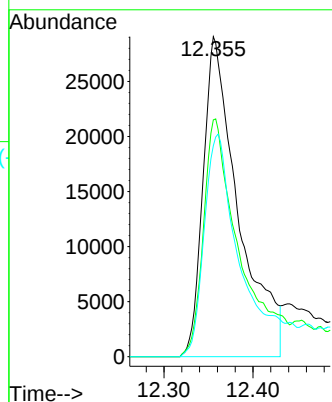
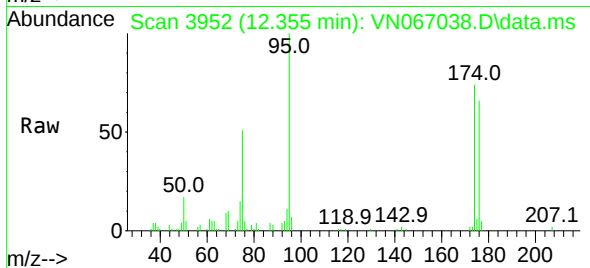




#60
4-Bromofluorobenzene
Concen: 16.54 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

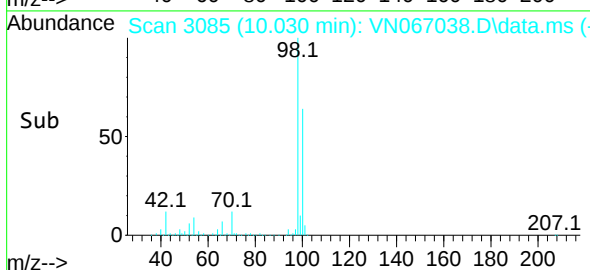
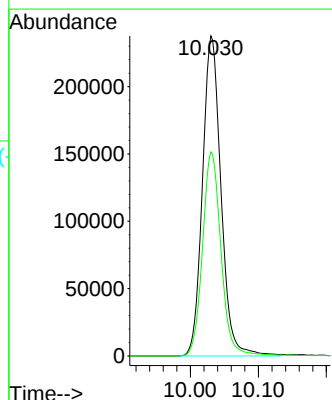
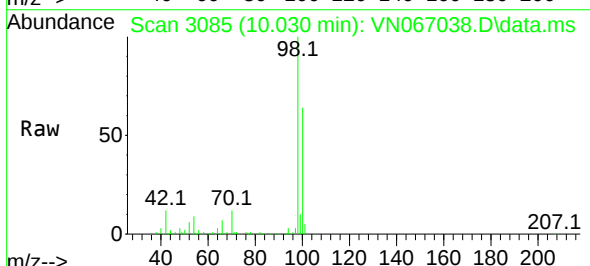
Instrument :
MSVOA_N
ClientSampled :
14B-2

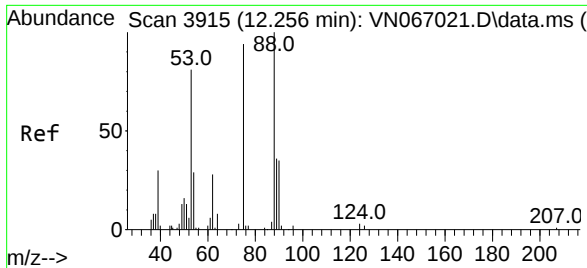
Tgt Ion: 95 Resp: 79837
Ion Ratio Lower Upper
95 100
174 77.1 57.2 85.8
176 70.3 54.5 81.7



#63
Toluene-d8
Concen: 31.38 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067038.D
Acq: 7 May 2021 3:34

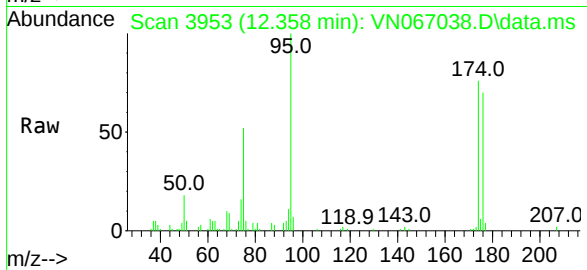
Tgt Ion: 98 Resp: 450928
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 25.24 ug/l
 RT: 12.358 min Scan# 3953
 Delta R.T. 0.102 min
 Lab File: VN067038.D
 Acq: 7 May 2021 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2



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

