

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067033.D
 Acq On : 7 May 2021 1:35
 Operator : JC/MD
 Sample : M2257-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: May 07 07:32:16 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)

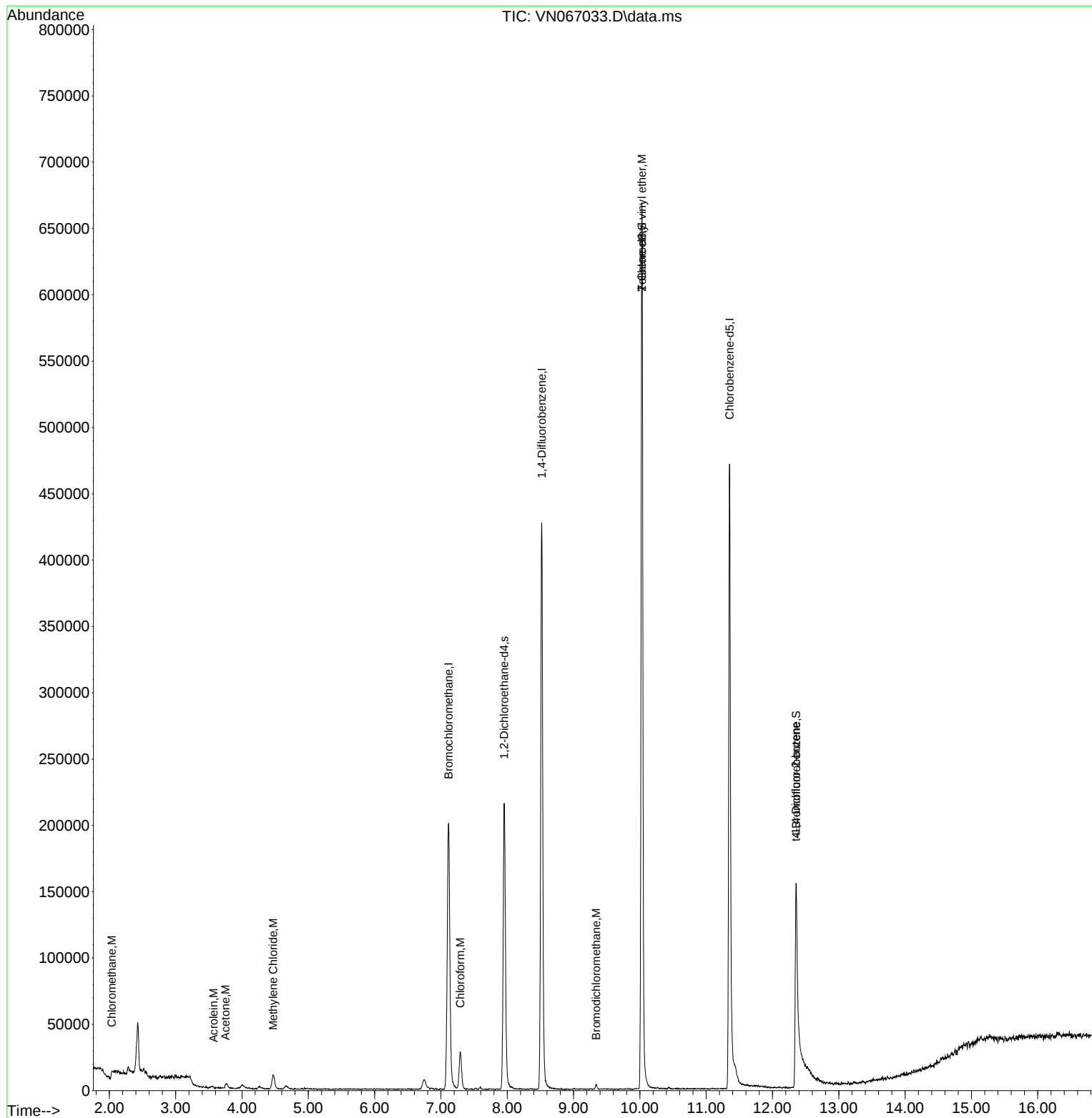
Internal Standards						
1) Bromochloromethane	7.115	128	75740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	372116	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	293125	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	198597	29.92	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.73%	
60) 4-Bromofluorobenzene	12.355	95	86402	17.72	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	59.07%#	
63) Toluene-d8	10.030	98	480330	33.08	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	110.27%	
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1775	0.22	ug/l	90
13) Acrolein	3.572	56	380	0.38	ug/l	91
15) Acetone	3.752	58	885	1.26	ug/l #	26
18) Methylene Chloride	4.470	84	7215	1.23	ug/l #	86
25) Chloroform	7.289	83	30826	3.09	ug/l	100
41) Bromodichloromethane	9.341	83	3029	0.40	ug/l #	87
55) 2-Chloroethyl vinyl ether	10.030	63	530	0.42	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.353	75	43350	26.12	ug/l #	16

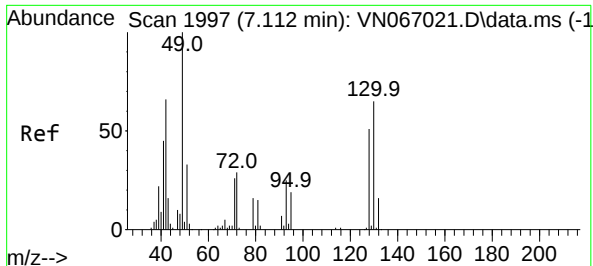
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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14B-1

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QLast Update : Fri May 07 07:26:20 2021
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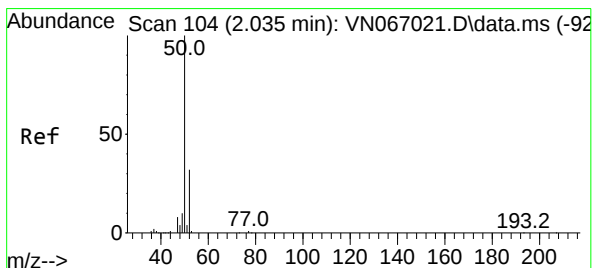
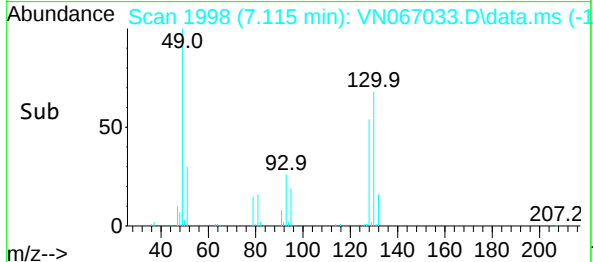
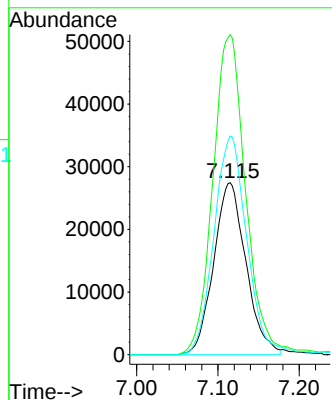
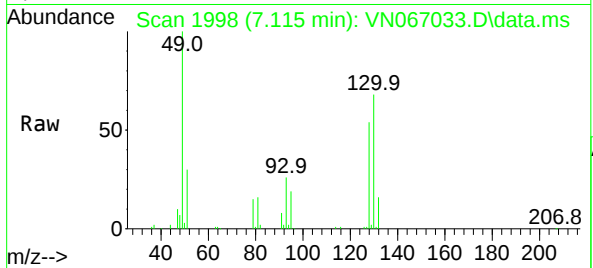




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

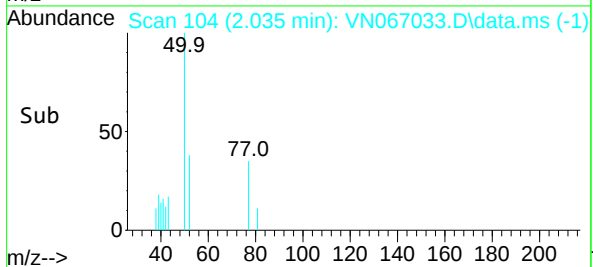
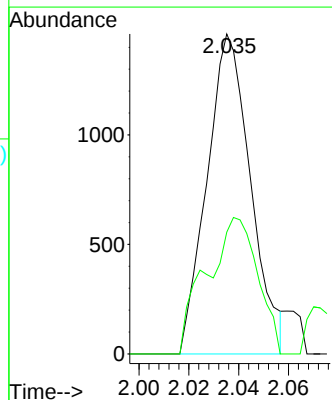
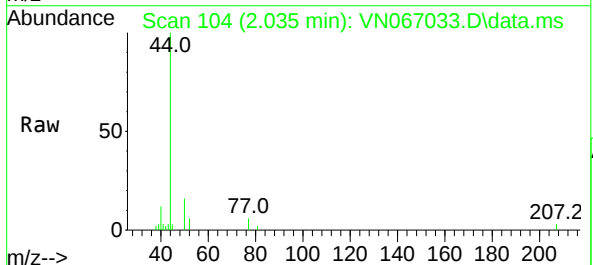
Instrument :
MSVOA_N
ClientSampled :
14B-1

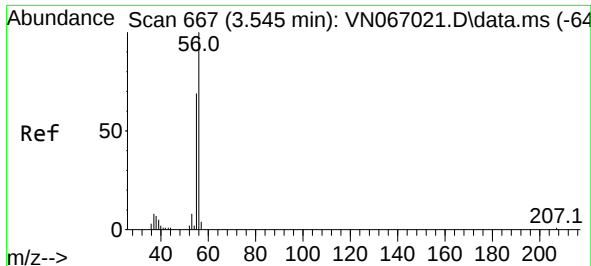
Tgt Ion:128 Resp: 75740
Ion Ratio Lower Upper
128 100
49 187.0 0.0 486.3
130 129.8 0.0 326.0



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion: 50 Resp: 1775
Ion Ratio Lower Upper
50 100
52 38.1 25.9 38.9

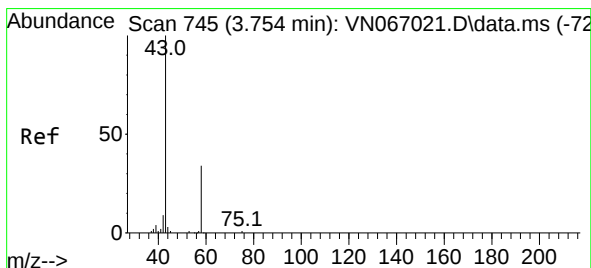
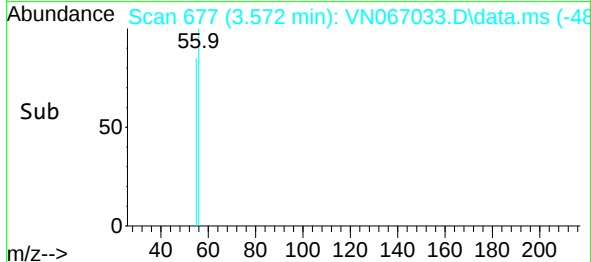
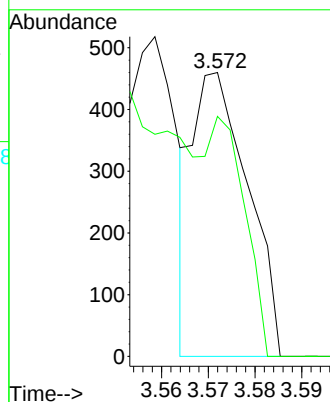
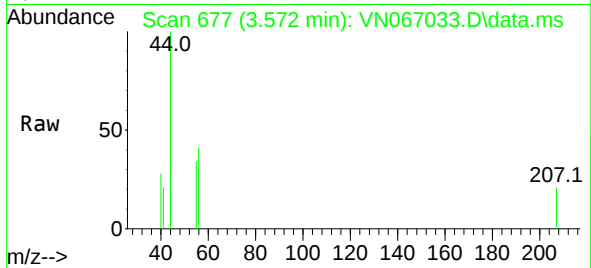




#13
Acrolein
Concen: 0.38 ug/l
RT: 3.572 min Scan# 677
Delta R.T. 0.027 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

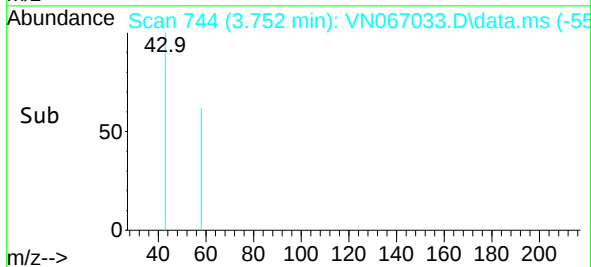
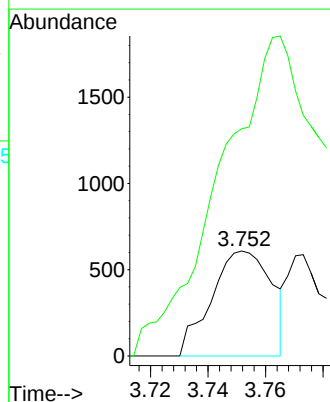
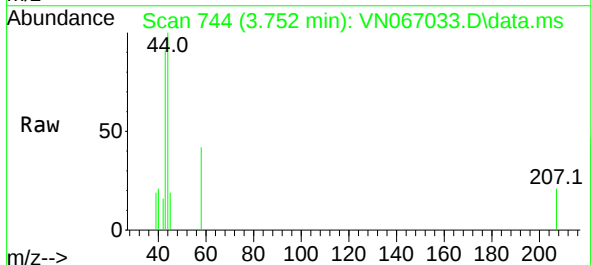
Instrument :
MSVOA_N
ClientSampleId :
14B-1

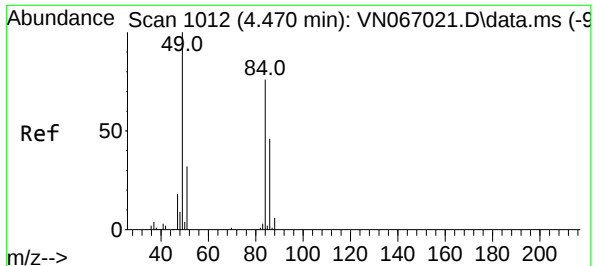
Tgt Ion: 56 Resp: 380
Ion Ratio Lower Upper
56 100
55 63.4 56.6 84.8



#15
Acetone
Concen: 1.26 ug/l
RT: 3.752 min Scan# 744
Delta R.T. -0.002 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion: 58 Resp: 885
Ion Ratio Lower Upper
58 100
43 151.3 235.0 352.6#

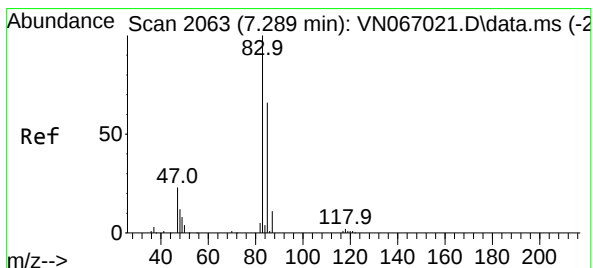
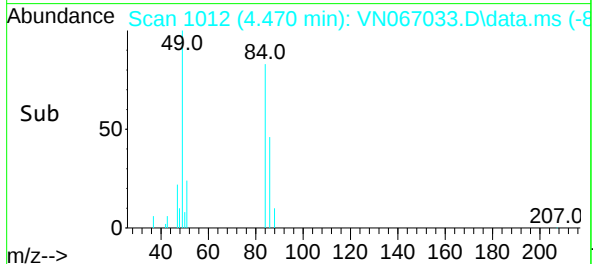
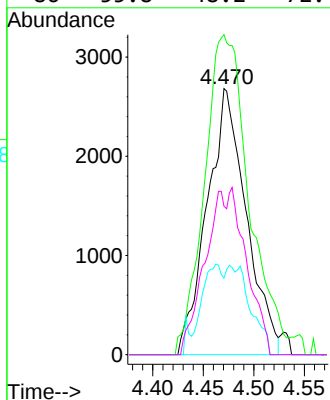
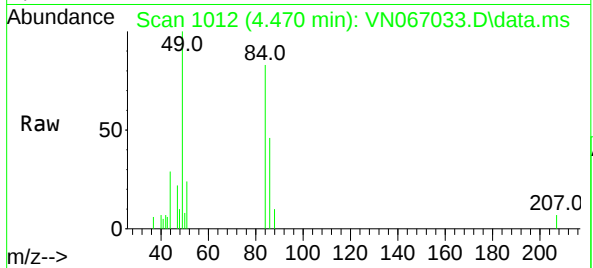




#18
Methylene Chloride
Concen: 1.23 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

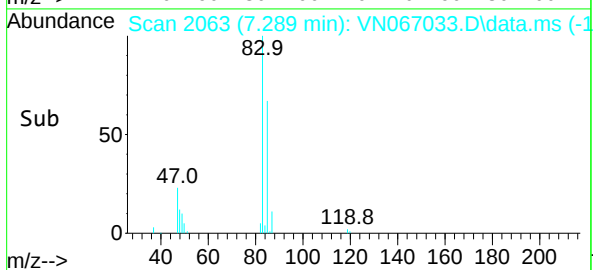
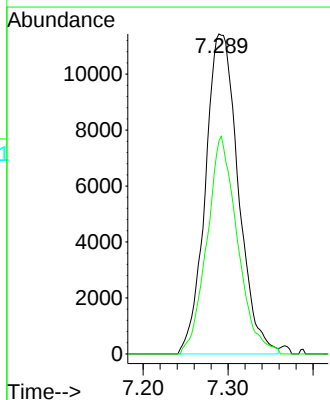
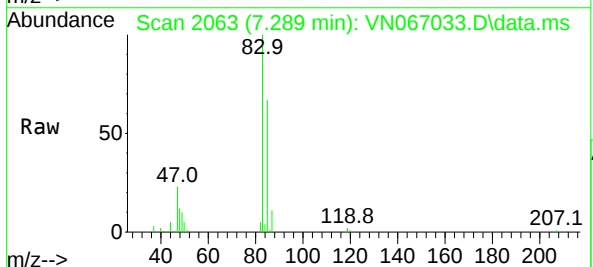
Instrument :
MSVOA_N
ClientSampled :
14B-1

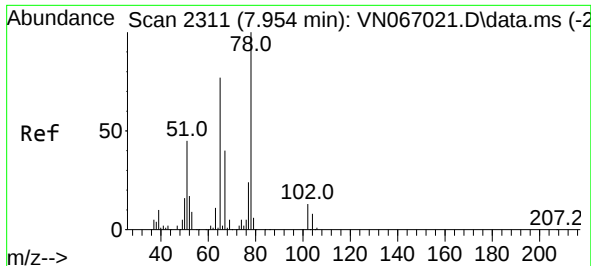
Tgt Ion:	84	Resp:	7215
Ion	Ratio	Lower	Upper
84	100		
49	113.5	105.0	157.6
51	28.8	33.3	49.9#
86	55.8	48.2	72.4



#25
Chloroform
Concen: 3.09 ug/l
RT: 7.289 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion:	83	Resp:	30826
Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.0	79.6





#27

1,2-Dichloroethane-d4

Concen: 29.92 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN067033.D

Acq: 7 May 2021 1:35

Tgt Ion: 65 Resp: 198597

Ion Ratio Lower Upper

65 100

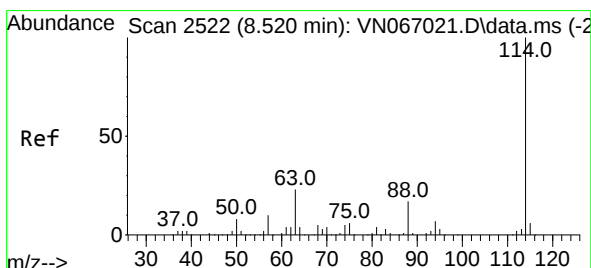
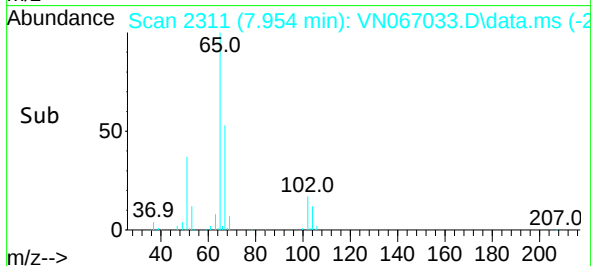
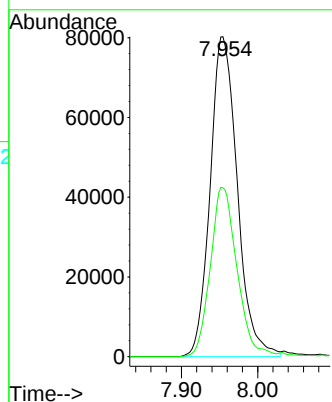
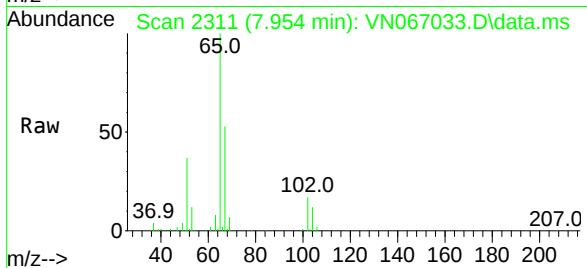
67 51.8 41.6 62.4

Instrument :

MSVOA_N

ClientSampled :

14B-1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.520 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VN067033.D

Acq: 7 May 2021 1:35

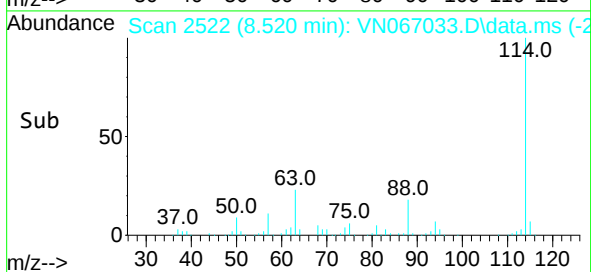
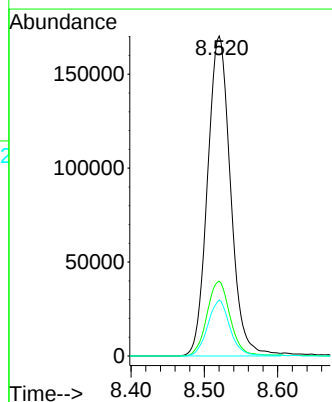
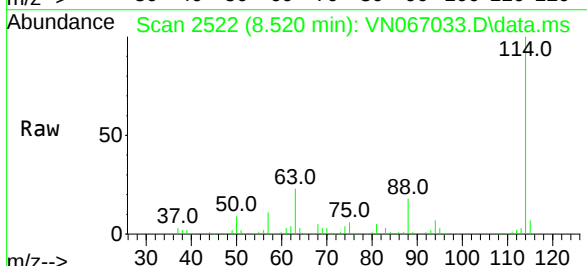
Tgt Ion: 114 Resp: 372116

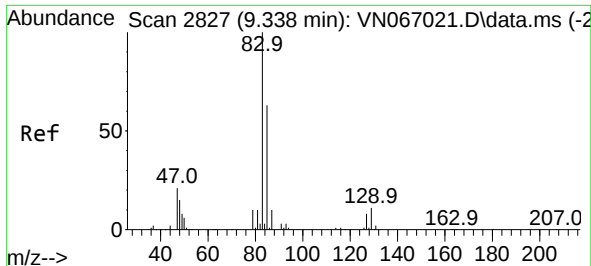
Ion Ratio Lower Upper

114 100

63 23.5 18.8 28.2

88 16.7 13.8 20.6

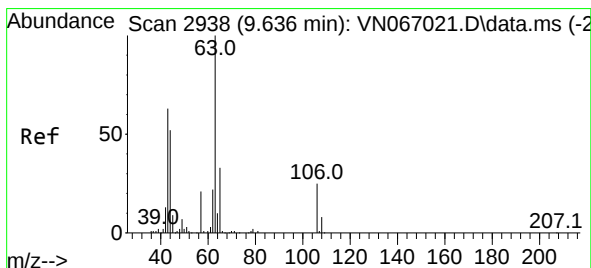
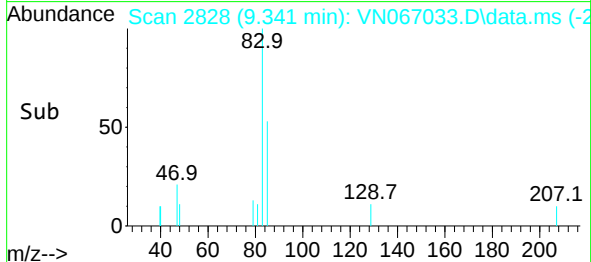
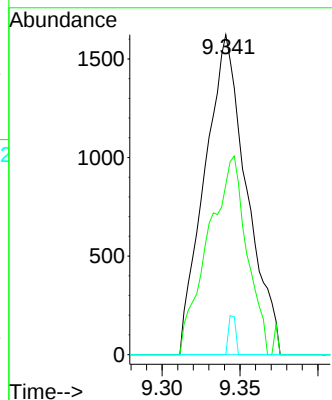
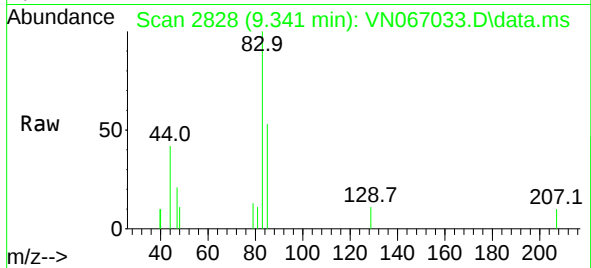




#41
Bromodichloromethane
Concen: 0.40 ug/l
RT: 9.341 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

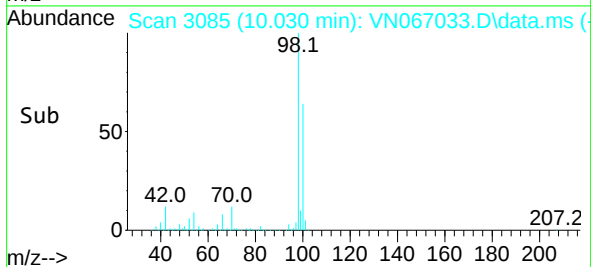
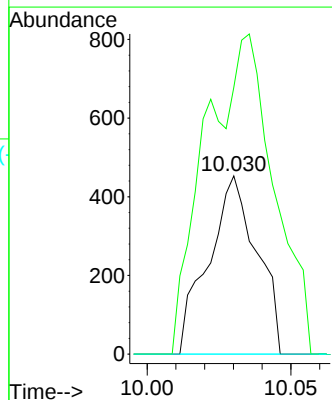
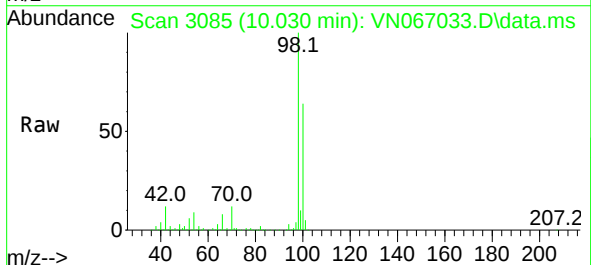
Instrument :
MSVOA_N
ClientSampled :
14B-1

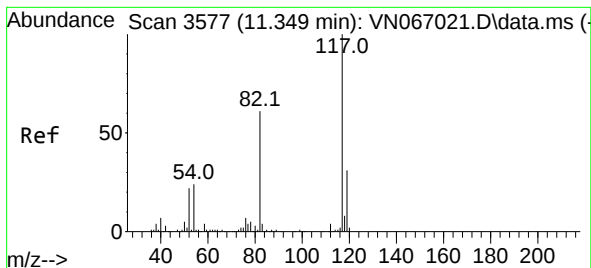
Tgt Ion: 83 Resp: 3029
Ion Ratio Lower Upper
83 100
85 53.1 50.0 75.0
127 0.0 6.5 9.7#



#55
2-Chloroethyl vinyl ether
Concen: 0.42 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.394 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion: 63 Resp: 530
Ion Ratio Lower Upper
63 100
65 154.2 25.4 38.2#
106 0.0 18.9 28.3#

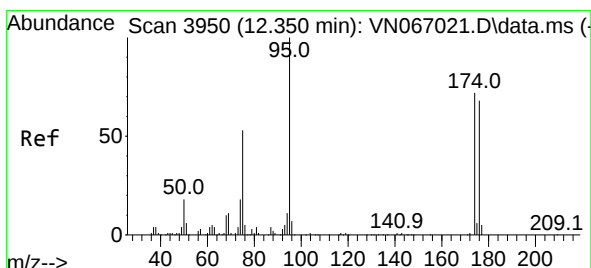
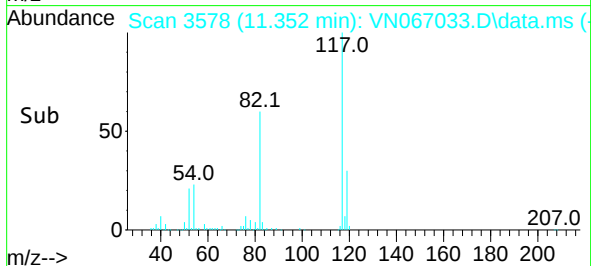
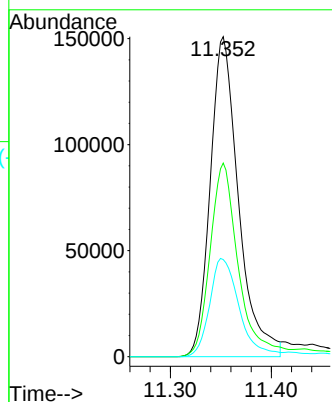
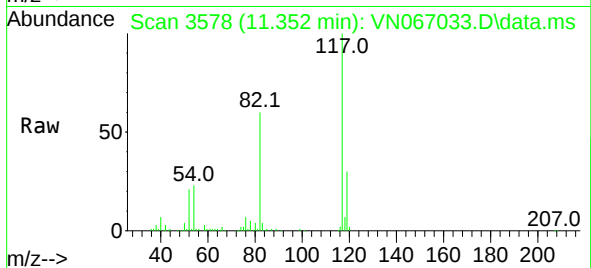




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

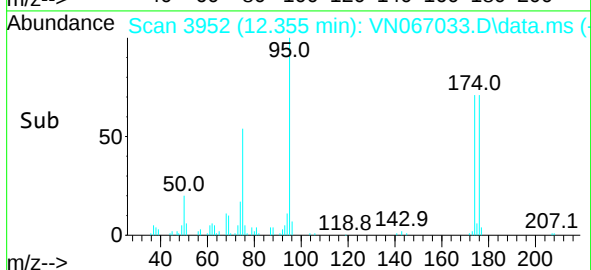
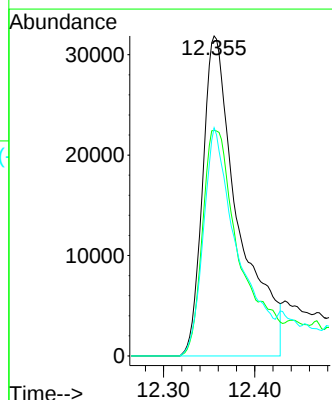
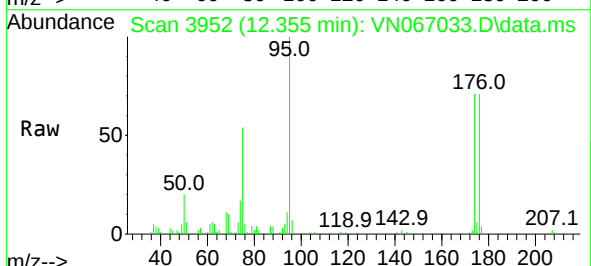
Instrument :
MSVOA_N
ClientSampled :
14B-1

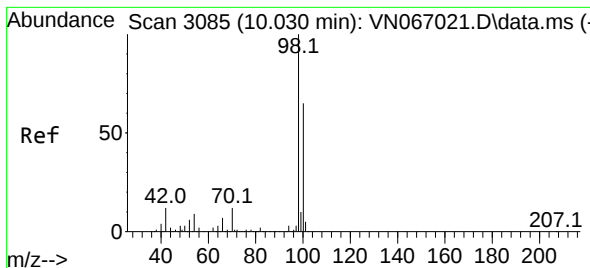
Tgt Ion:117 Resp: 293125
Ion Ratio Lower Upper
117 100
82 60.8 49.3 73.9
119 32.1 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 17.72 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion: 95 Resp: 86402
Ion Ratio Lower Upper
95 100
174 66.7 57.2 85.8
176 69.3 54.5 81.7

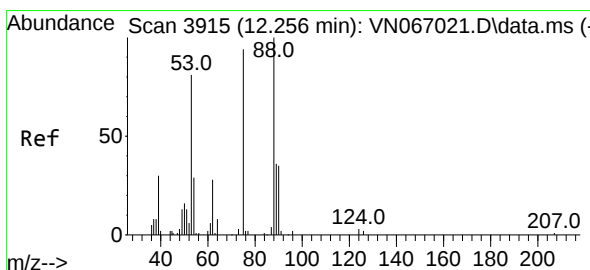
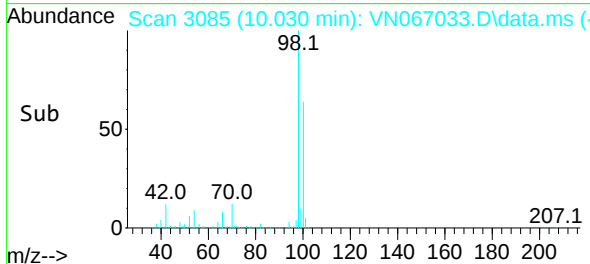
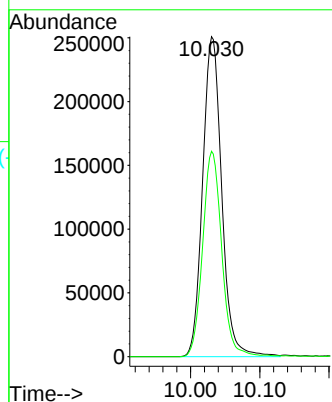
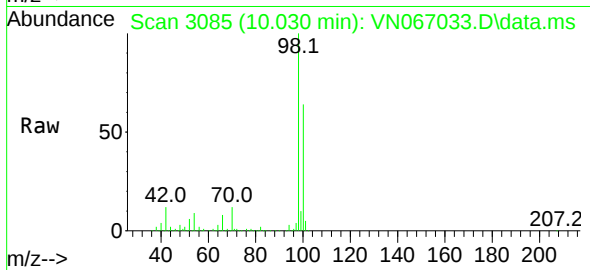




#63
Toluene-d8
Concen: 33.08 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Instrument :
MSVOA_N
ClientSampled :
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Tgt Ion: 98 Resp: 480330
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 26.12 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.097 min
Lab File: VN067033.D
Acq: 7 May 2021 1:35

Tgt Ion: 75 Resp: 43350
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

