

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067037.D
 Acq On : 7 May 2021 3:10
 Operator : JC/MD
 Sample : M2274-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: May 07 07:33:08 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)

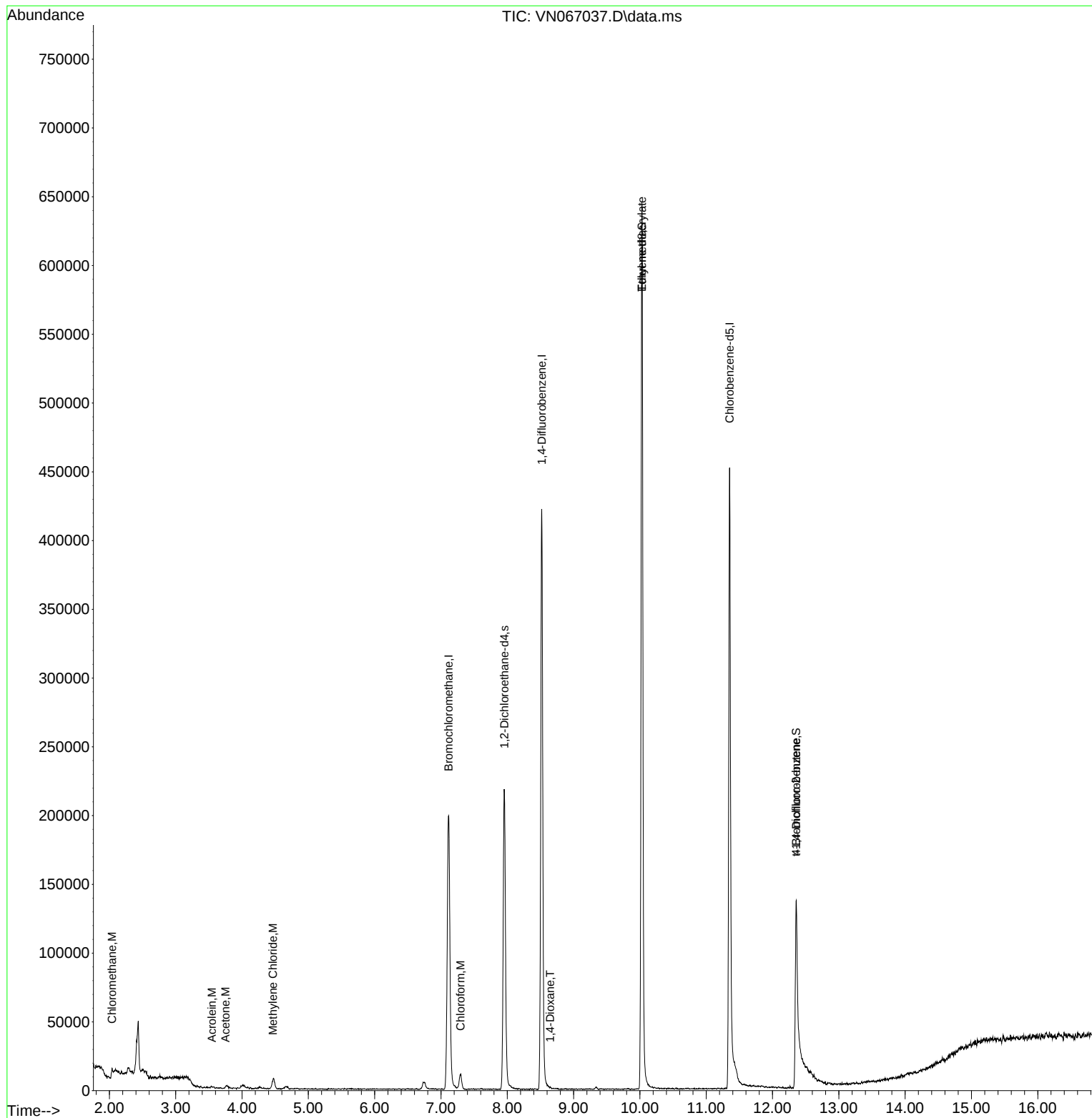
Internal Standards						
1) Bromochloromethane	7.115	128	77184	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	362299	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	287363	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.957	65	202447	29.93	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.358	95	74319	15.55	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	51.83%#
63) Toluene-d8	10.030	98	467961	32.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	109.60%
Target Compounds						
					Qvalue	
3) Chloromethane	2.040	50	1954	0.24	ug/l	100
13) Acrolein	3.548	56	522	0.51	ug/l	89
15) Acetone	3.752	58	348	0.49	ug/l #	16
18) Methylene Chloride	4.468	84	2282	0.38	ug/l #	89
25) Chloroform	7.294	83	11886	1.17	ug/l	91
45) 1,4-Dioxane	8.646	88	52	0.75	ug/l #	4
51) Ethyl methacrylate	10.030	69	1869	0.29	ug/l	90
77) t-1,4-Dichloro-2-butene	12.355	75	35654	23.10	ug/l #	16

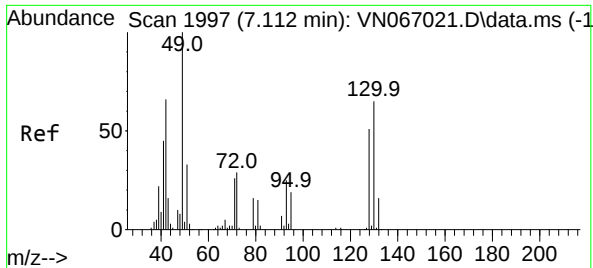
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

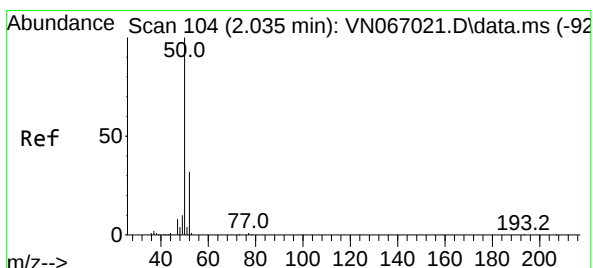
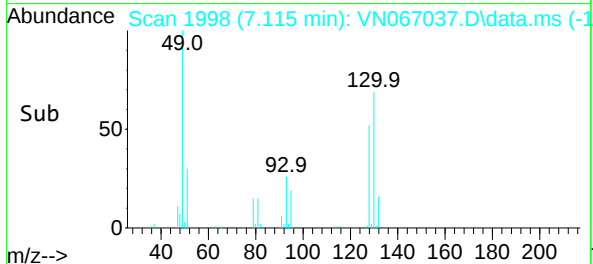
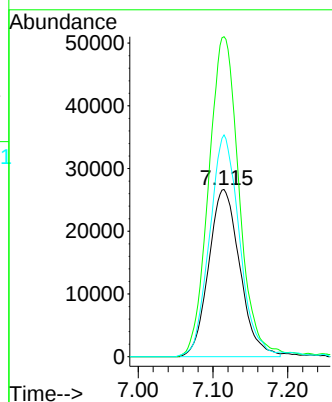
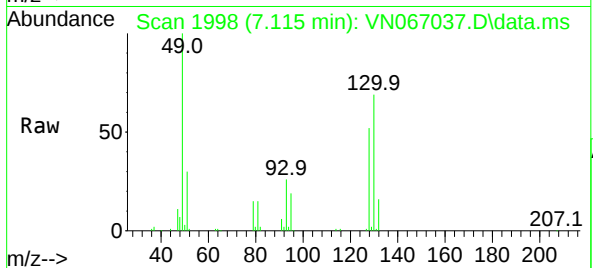




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

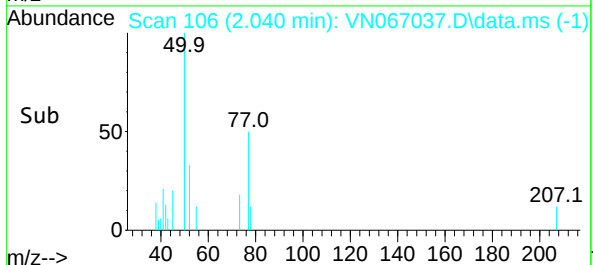
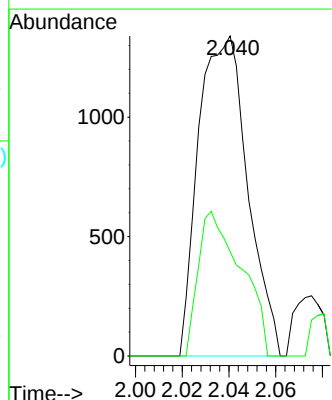
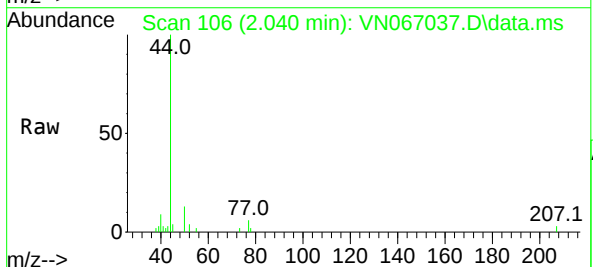
Instrument :
MSVOA_N
ClientSampled :
14B-1

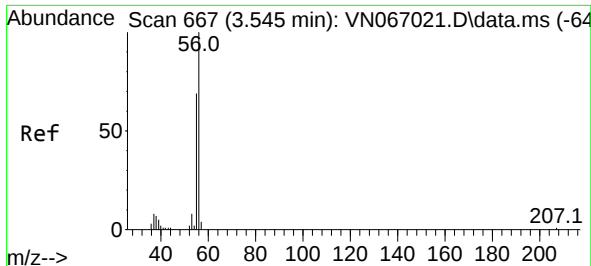
Tgt Ion:128 Resp: 77184
Ion Ratio Lower Upper
128 100
49 186.7 0.0 486.3
130 127.3 0.0 326.0



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.040 min Scan# 106
Delta R.T. 0.005 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Tgt Ion: 50 Resp: 1954
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

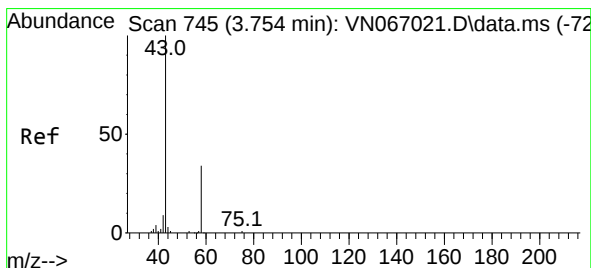
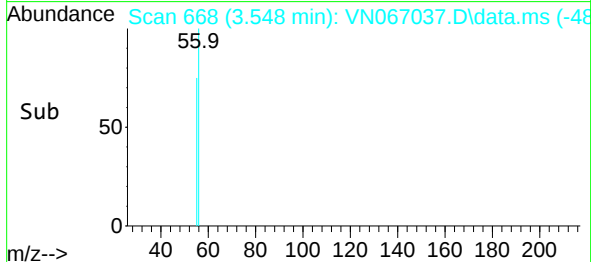
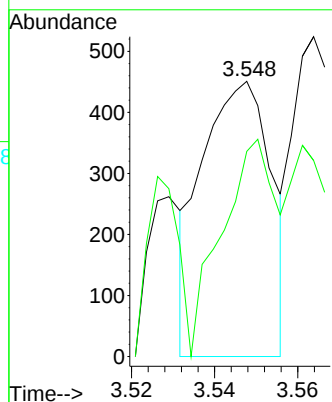
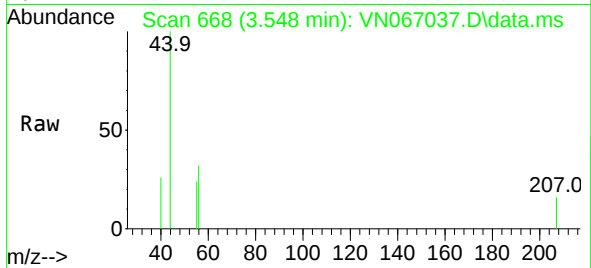




#13
Acrolein
Concen: 0.51 ug/l
RT: 3.548 min Scan# 668
Delta R.T. 0.003 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

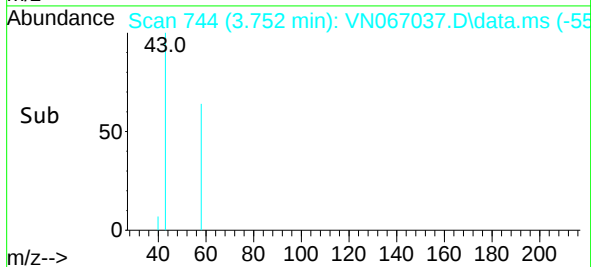
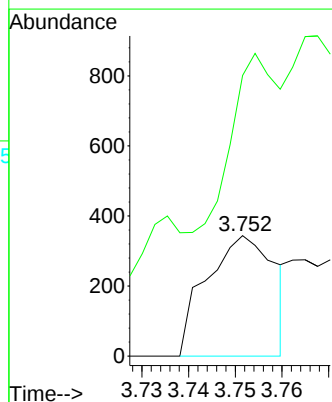
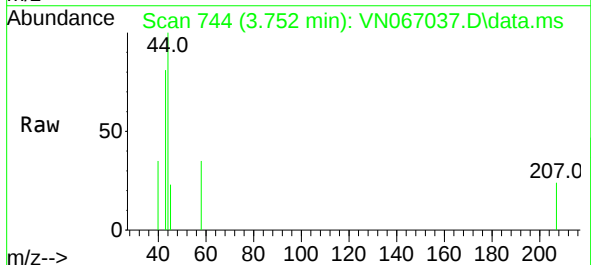
Instrument :
MSVOA_N
ClientSampled :
14B-1

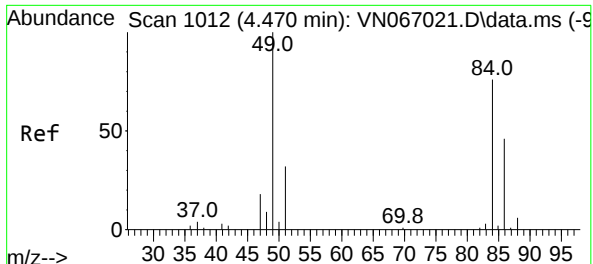
Tgt Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 61.7 56.6 84.8



#15
Acetone
Concen: 0.49 ug/l
RT: 3.752 min Scan# 744
Delta R.T. -0.003 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Tgt Ion: 58 Resp: 348
Ion Ratio Lower Upper
58 100
43 130.5 235.0 352.6#



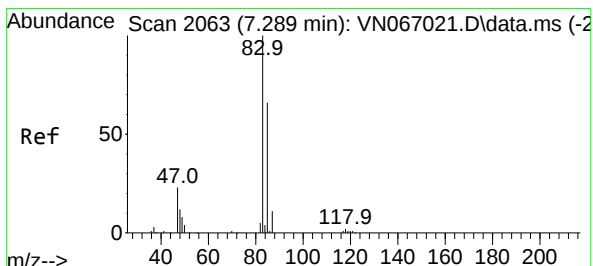
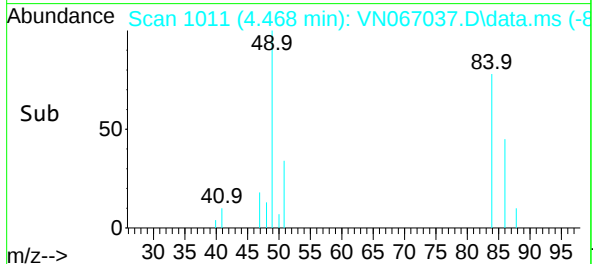
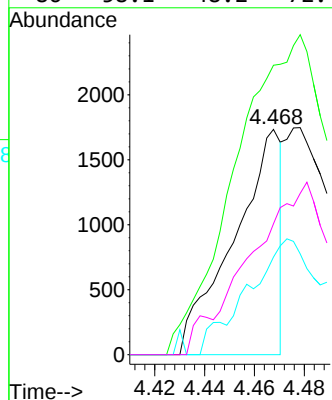
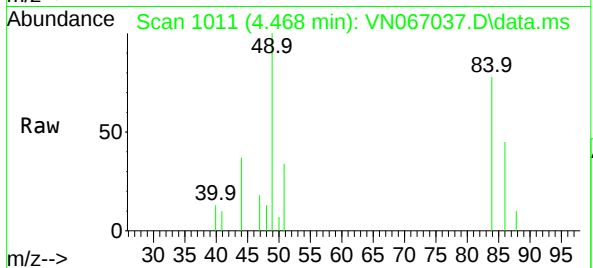


#18
Methylene Chloride
Concen: 0.38 ug/l
RT: 4.468 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tgt Ion: 84 Resp: 2282

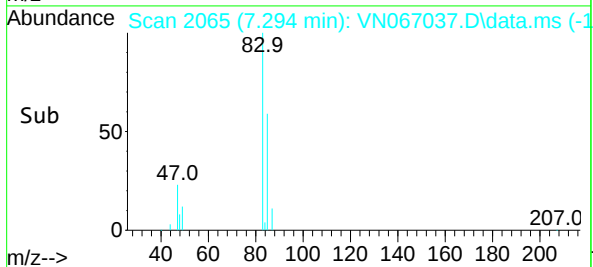
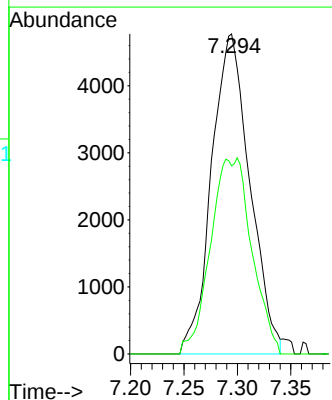
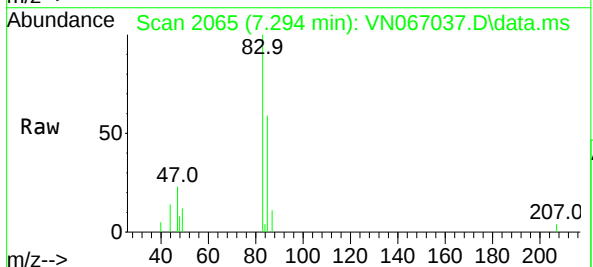
Ion	Ratio	Lower	Upper
84	100		
49	115.1	105.0	157.6
51	32.2	33.3	49.9#
86	58.1	48.2	72.4

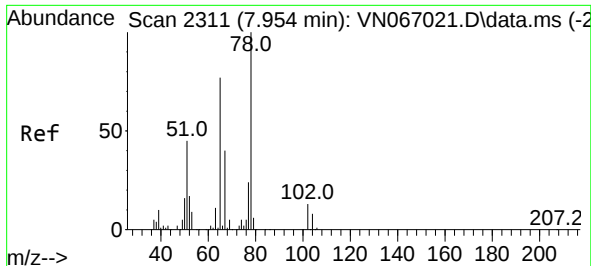


#25
Chloroform
Concen: 1.17 ug/l
RT: 7.294 min Scan# 2065
Delta R.T. 0.005 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Tgt Ion: 83 Resp: 11886

Ion	Ratio	Lower	Upper
83	100		
85	58.8	53.0	79.6





#27

1,2-Dichloroethane-d4

Concen: 29.93 ug/l

RT: 7.957 min Scan# 2312

Delta R.T. 0.003 min

Lab File: VN067037.D

Acq: 7 May 2021 3:10

Tgt Ion: 65 Resp: 202447

Ion Ratio Lower Upper

65 100

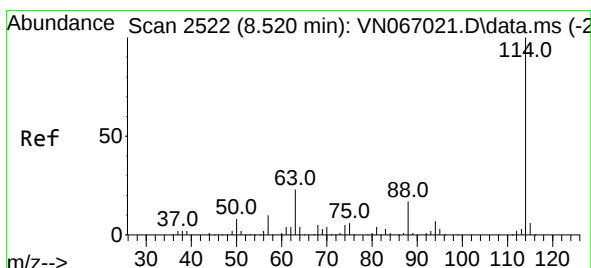
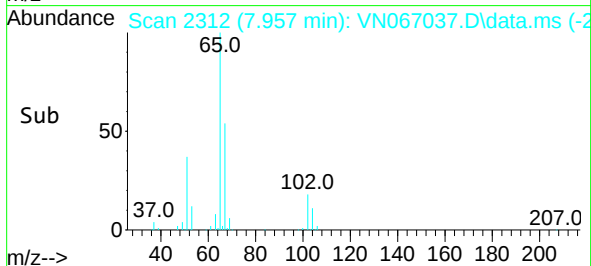
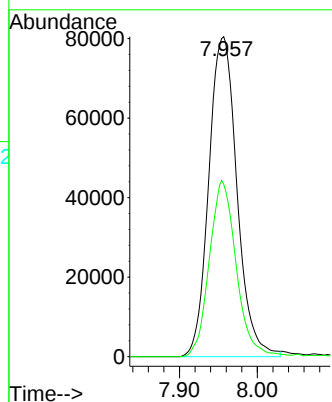
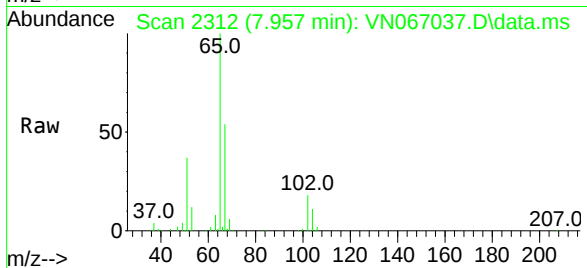
67 52.3 41.6 62.4

Instrument :

MSVOA_N

ClientSampleId :

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: VN067037.D

Acq: 7 May 2021 3:10

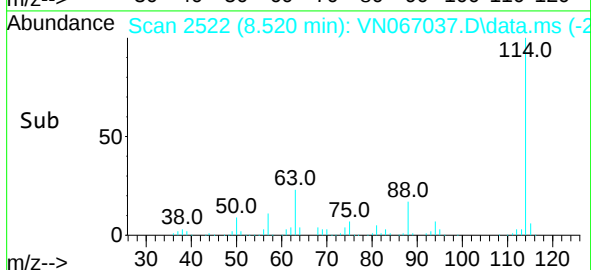
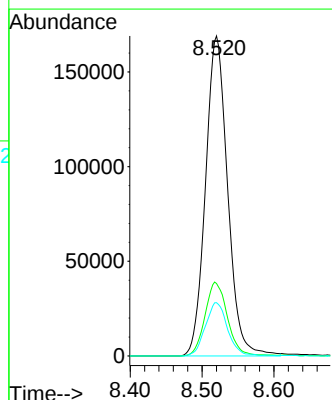
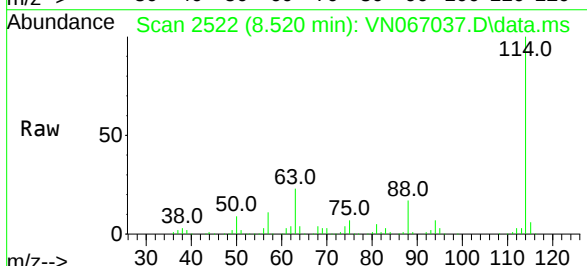
Tgt Ion: 114 Resp: 362299

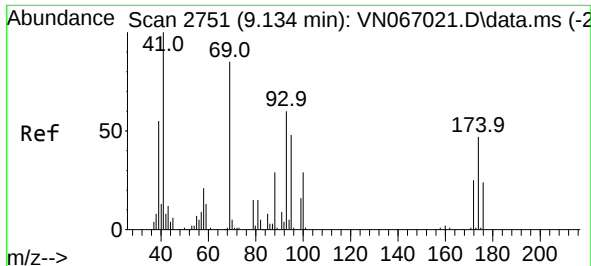
Ion Ratio Lower Upper

114 100

63 23.3 18.8 28.2

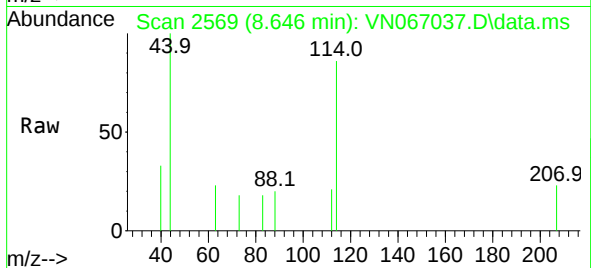
88 16.7 13.8 20.6



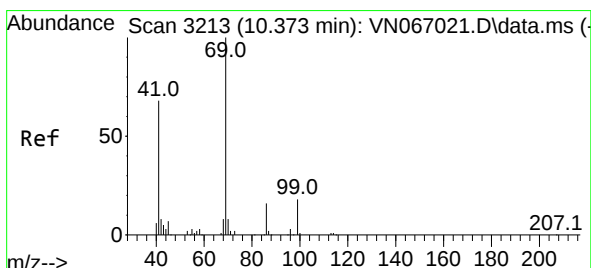
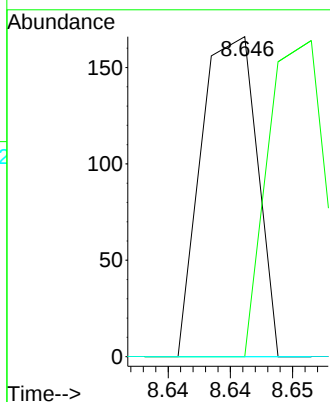
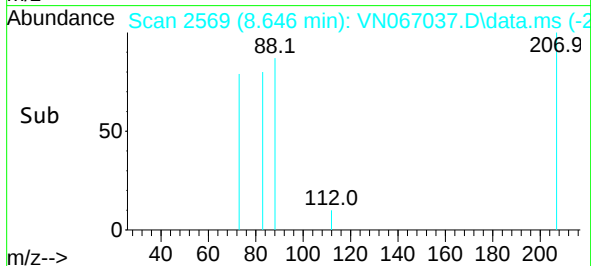


#45
1,4-Dioxane
Concen: 0.75 ug/l
RT: 8.646 min Scan# 2569
Delta R.T. -0.488 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

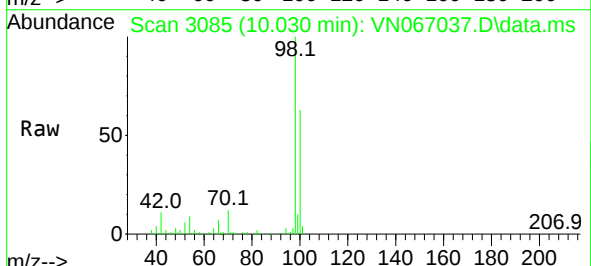
Instrument :
MSVOA_N
ClientSampleId :
14B-1



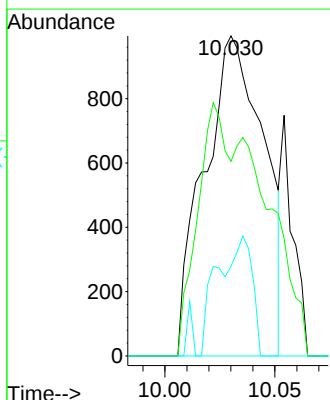
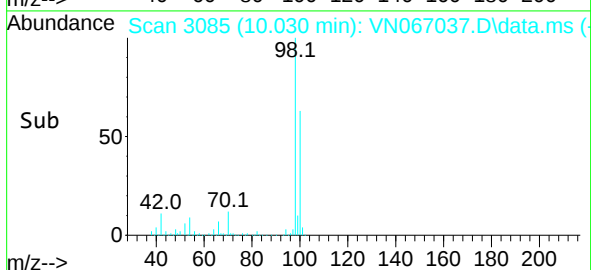
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 98.1 28.0 42.0#
58 0.0 62.8 94.2#

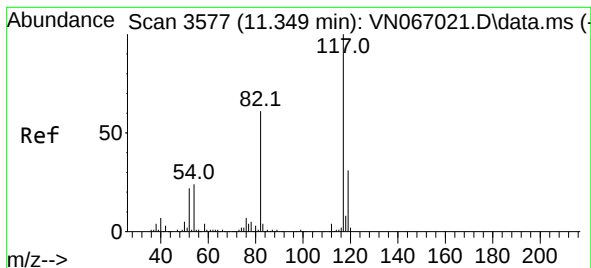


#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.343 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10



Tgt Ion: 69 Resp: 1869
Ion Ratio Lower Upper
69 100
41 60.8 33.9 101.7
39 28.0 17.3 51.9

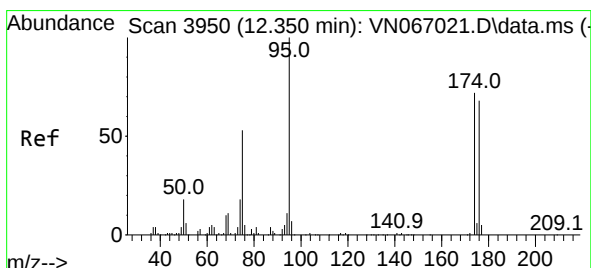
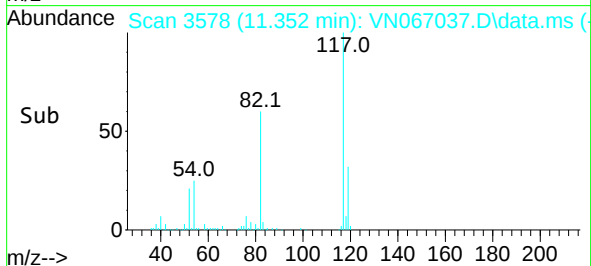
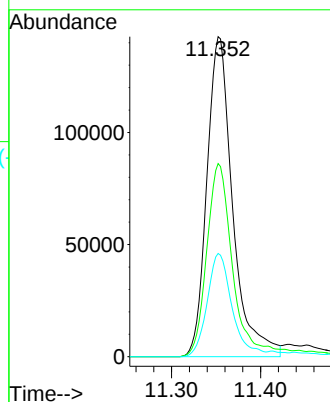
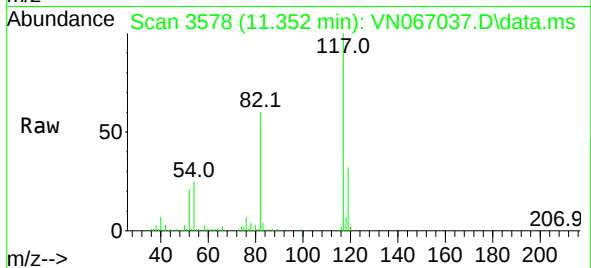




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

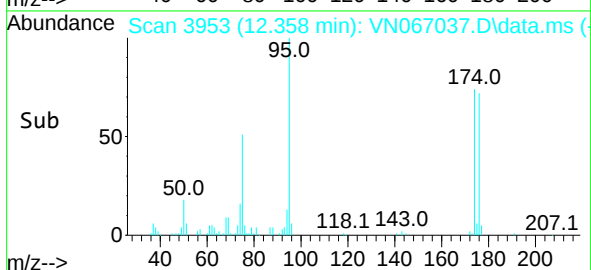
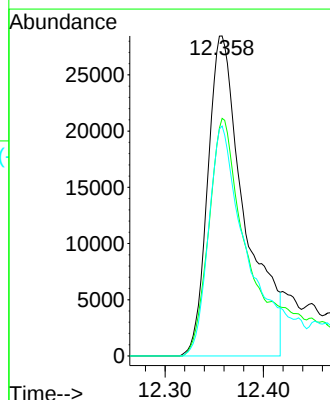
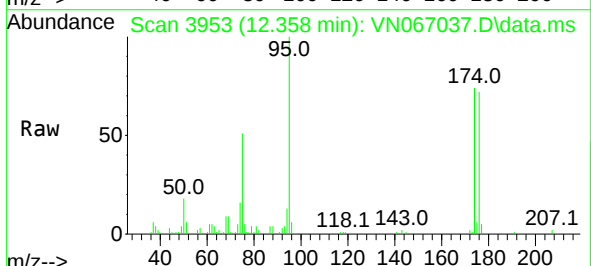
Instrument :
MSVOA_N
ClientSampleId :
14B-1

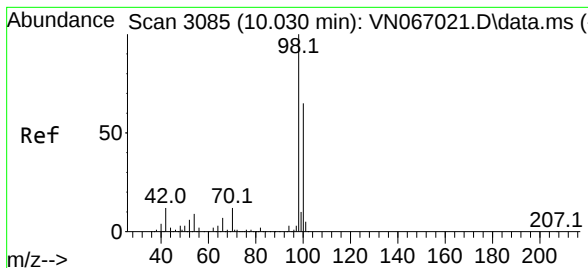
Tgt Ion:117 Resp: 287363
Ion Ratio Lower Upper
117 100
82 58.9 49.3 73.9
119 31.1 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 15.55 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.008 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Tgt Ion: 95 Resp: 74319
Ion Ratio Lower Upper
95 100
174 68.9 57.2 85.8
176 75.7 54.5 81.7

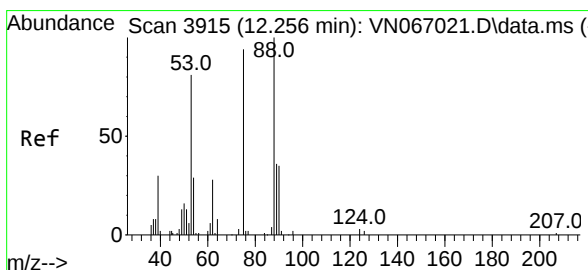
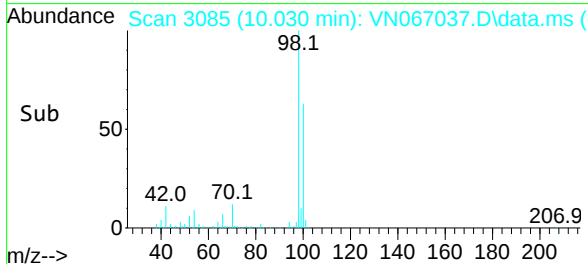
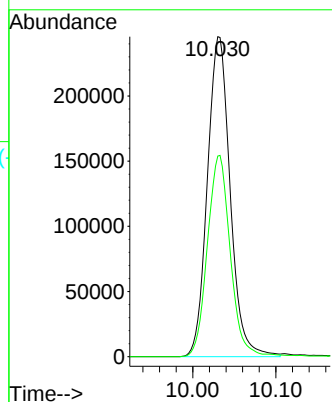
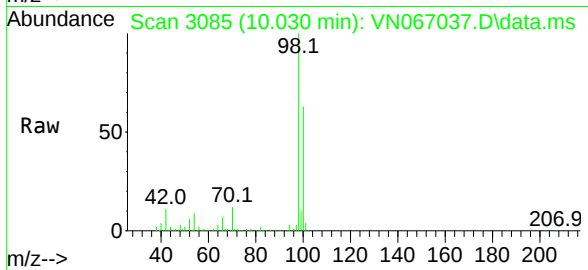




#63
Toluene-d8
Concen: 32.88 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Instrument :
MSVOA_N
ClientSampled :
14B-1

Tgt Ion: 98 Resp: 467961
Ion Ratio Lower Upper
98 100
100 62.6 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 23.10 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067037.D
Acq: 7 May 2021 3:10

Tgt Ion: 75 Resp: 35654
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

