

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067034.D
 Acq On : 7 May 2021 1:59
 Operator : JC/MD
 Sample : M2257-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: May 07 07:32:30 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)

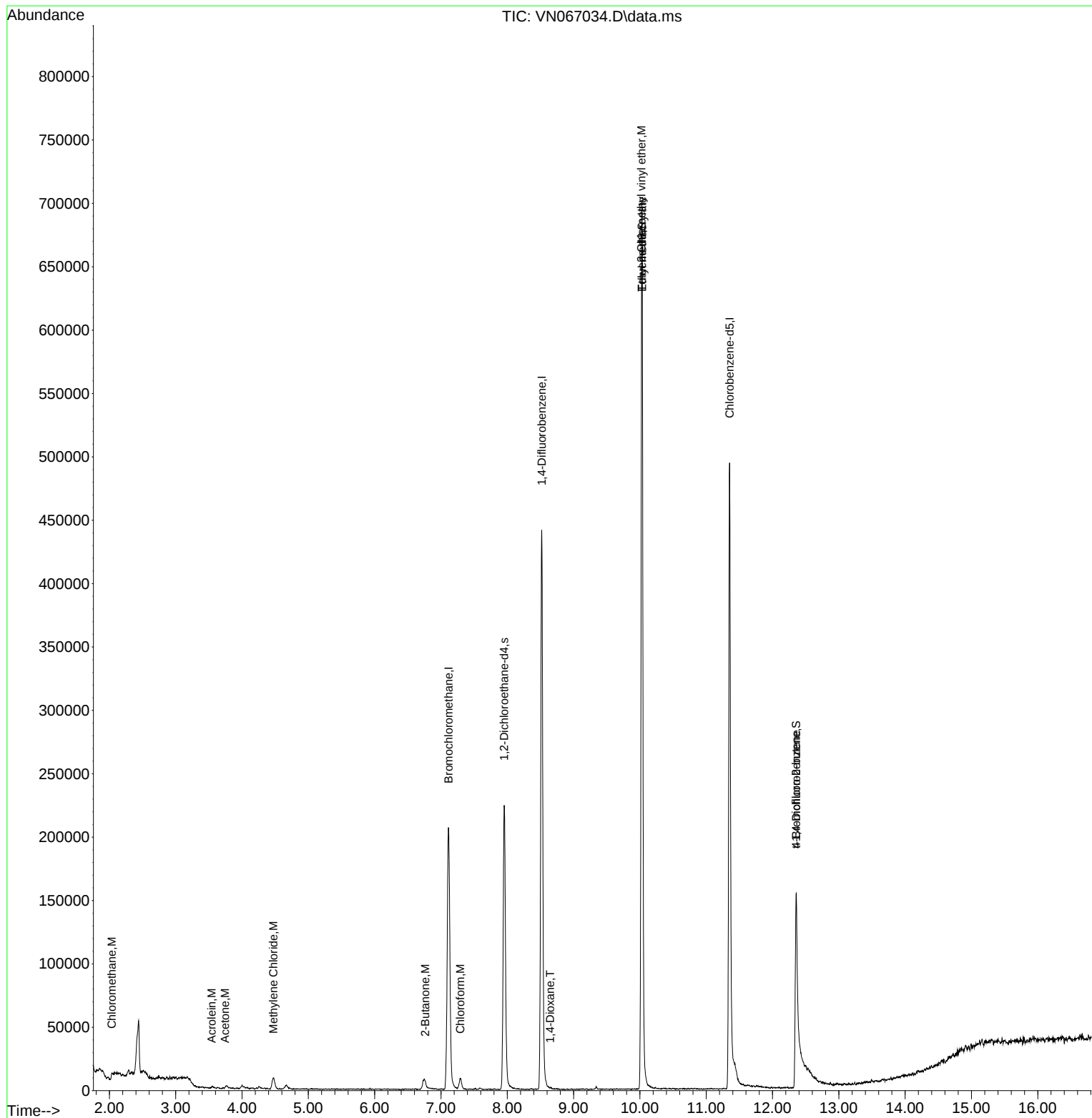
Internal Standards						
1) Bromochloromethane	7.115	128	78665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	385302	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	312125	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	207370	30.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.358	95	85283	16.42	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	54.73%#
63) Toluene-d8	10.030	98	496394	32.11	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.03%
Target Compounds						
					Qvalue	
3) Chloromethane	2.035	50	2061	0.25	ug/l	91
13) Acrolein	3.542	56	492	0.47	ug/l #	59
15) Acetone	3.744	58	148	0.20	ug/l #	1
18) Methylene Chloride	4.473	84	4680	0.77	ug/l	88
25) Chloroform	7.289	83	4841	0.47	ug/l	98
30) 2-Butanone	6.763	43	1421	0.44	ug/l #	61
45) 1,4-Dioxane	8.646	88	43	0.58	ug/l #	19
51) Ethyl methacrylate	10.033	69	1517	0.22	ug/l	91
55) 2-Chloroethyl vinyl ether	10.025	63	269	0.21	ug/l #	47
77) t-1,4-Dichloro-2-butene	12.358	75	48614	27.12	ug/l #	16

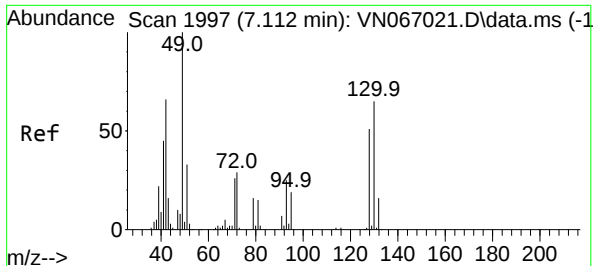
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067034.D
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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
14B-2

Quant Time: May 07 07:32:30 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

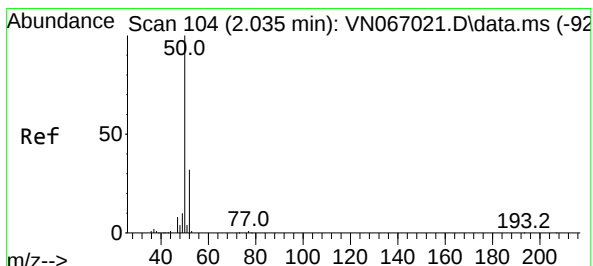
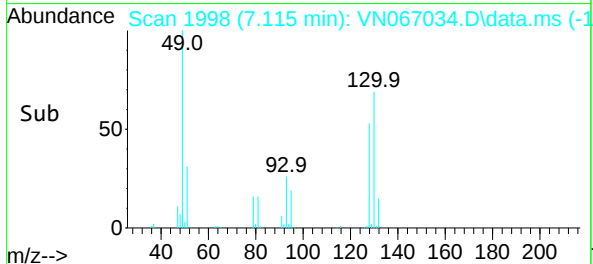
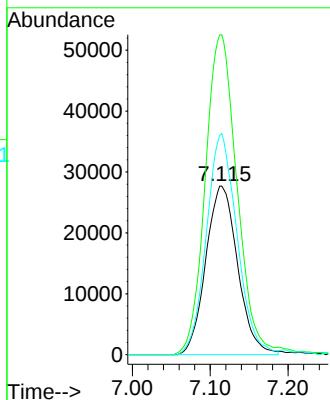
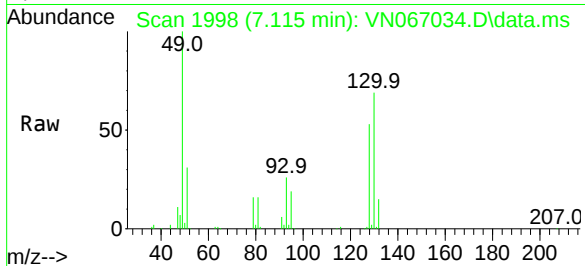




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

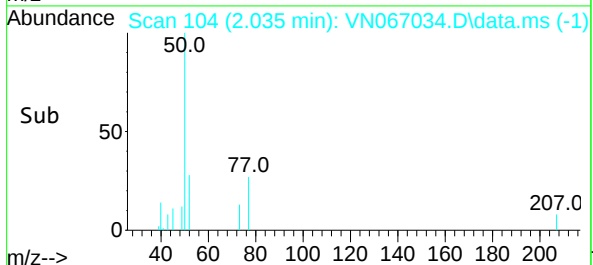
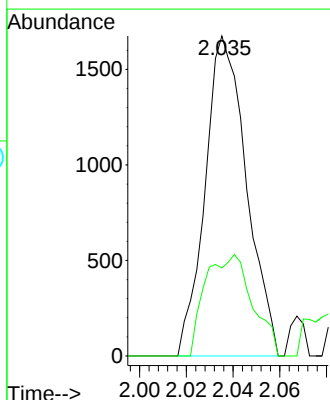
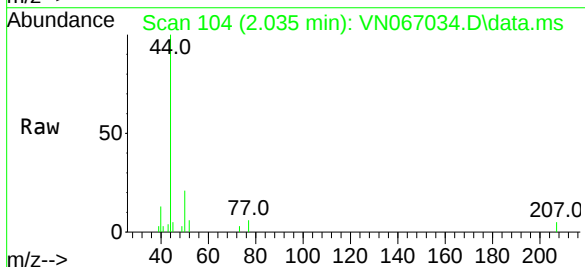
Instrument :
MSVOA_N
ClientSampled :
14B-2

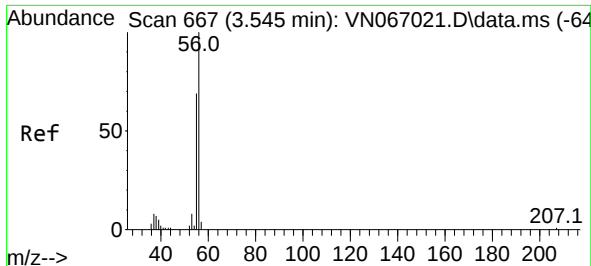
Tgt Ion	Ratio	Lower	Upper
128	100		
49	187.5	0.0	486.3
130	126.3	0.0	326.0



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.5	25.9	38.9

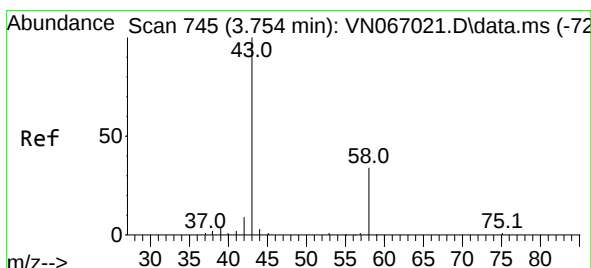
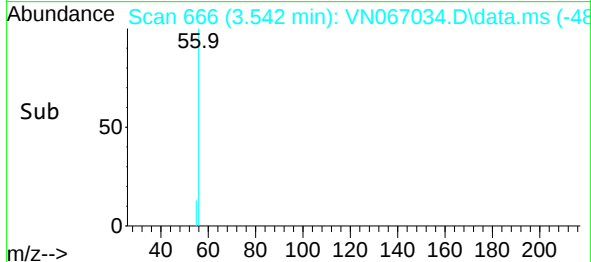
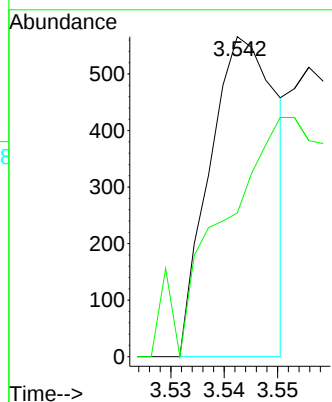
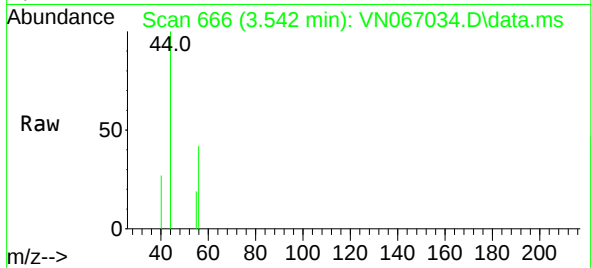




#13
Acrolein
Concen: 0.47 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.002 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

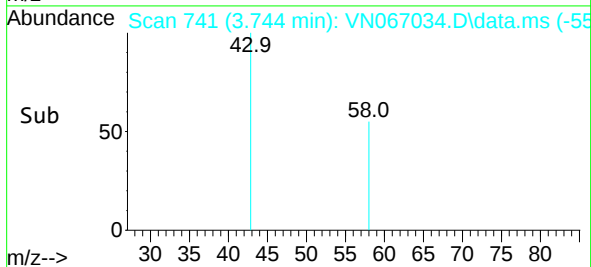
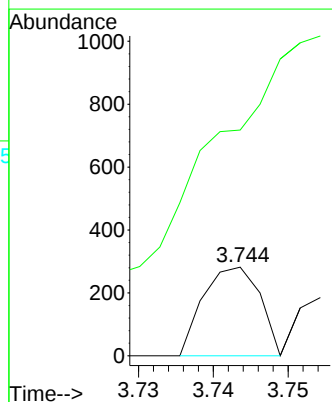
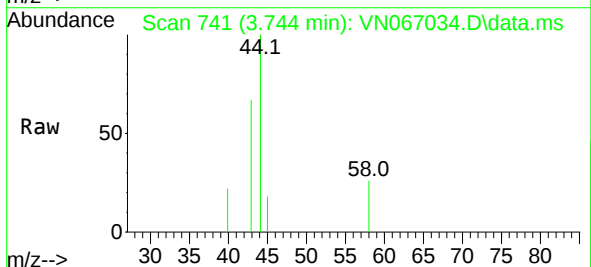
Instrument :
MSVOA_N
ClientSampled :
14B-2

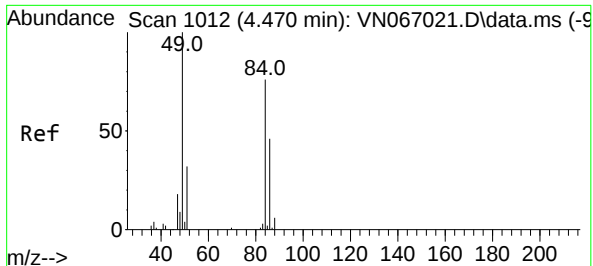
Tgt Ion: 56 Resp: 492
Ion Ratio Lower Upper
56 100
55 104.9 56.6 84.8#



#15
Acetone
Concen: 0.20 ug/l
RT: 3.744 min Scan# 741
Delta R.T. -0.011 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

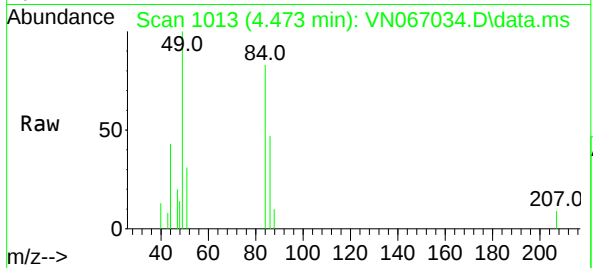
Tgt Ion: 58 Resp: 148
Ion Ratio Lower Upper
58 100
43 81.9 235.0 352.6#





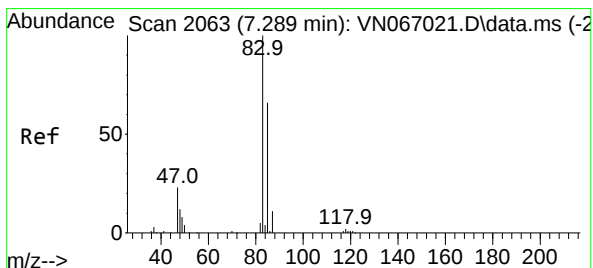
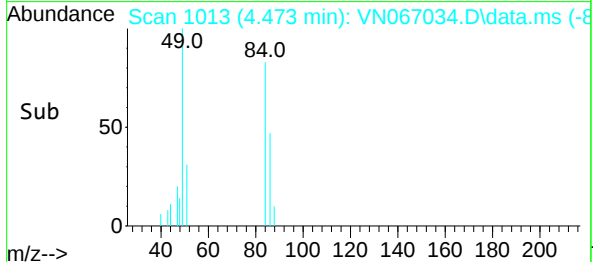
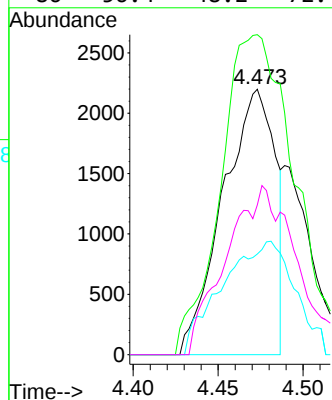
#18
Methylene Chloride
Concen: 0.77 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Instrument :
MSVOA_N
ClientSampled :
14B-2



Tgt Ion: 84 Resp: 4680

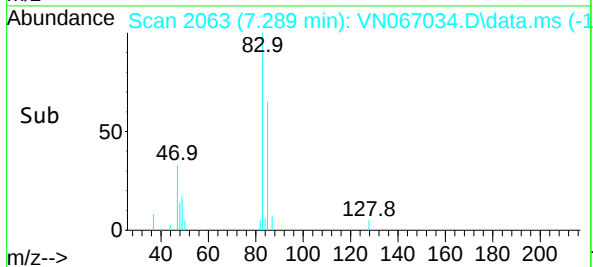
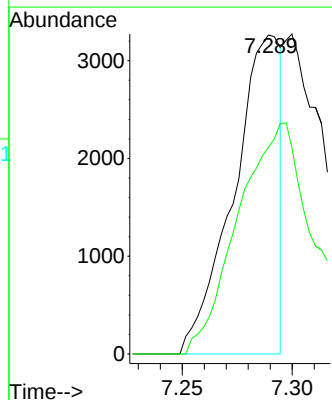
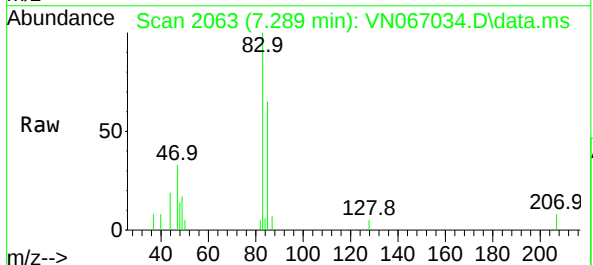
Ion	Ratio	Lower	Upper
84	100		
49	110.6	105.0	157.6
51	37.9	33.3	49.9
86	56.4	48.2	72.4

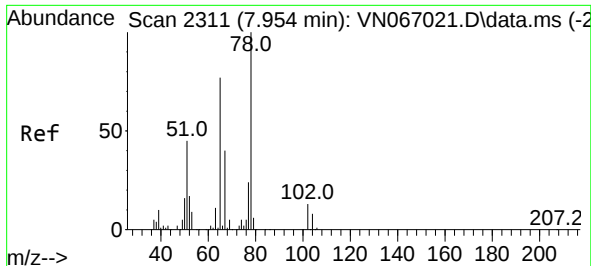


#25
Chloroform
Concen: 0.47 ug/l
RT: 7.289 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Tgt Ion: 83 Resp: 4841

Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.0	79.6





#27

1,2-Dichloroethane-d4

Concen: 30.08 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN067034.D

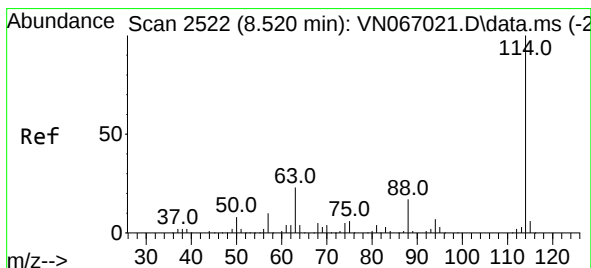
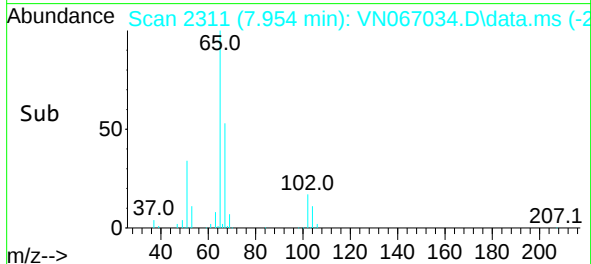
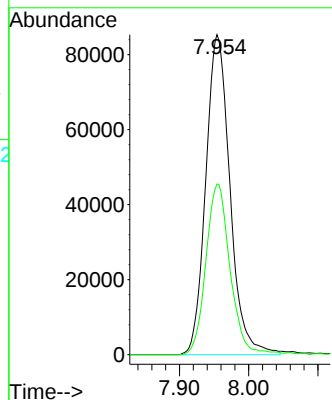
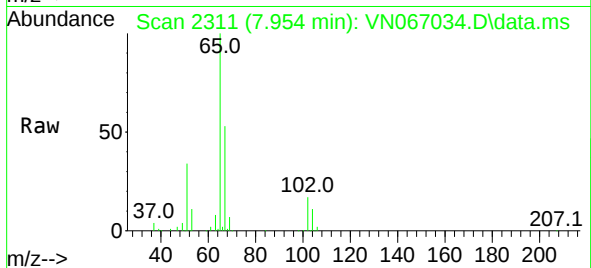
Acq: 7 May 2021 1:59

Tgt Ion: 65 Resp: 207370

Ion Ratio Lower Upper

65 100

67 52.5 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: VN067034.D

Acq: 7 May 2021 1:59

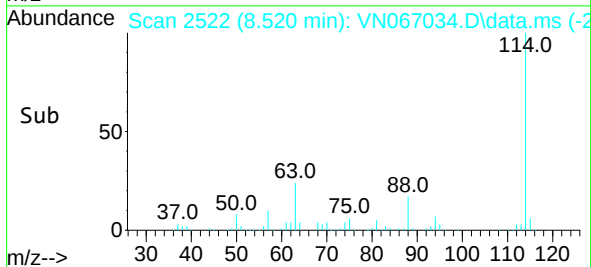
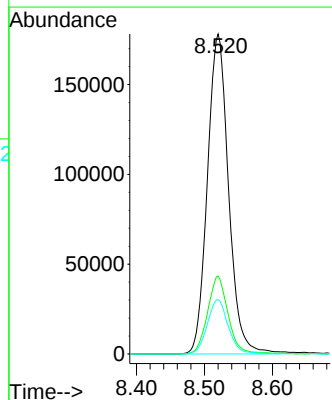
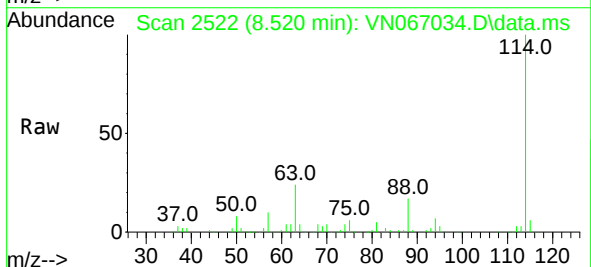
Tgt Ion: 114 Resp: 385302

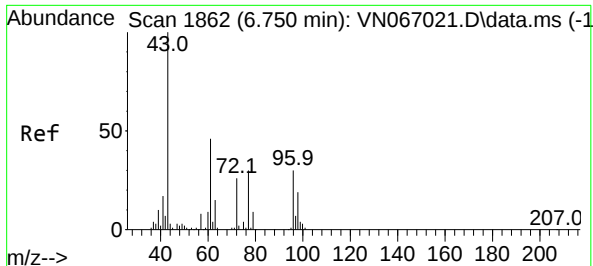
Ion Ratio Lower Upper

114 100

63 23.4 18.8 28.2

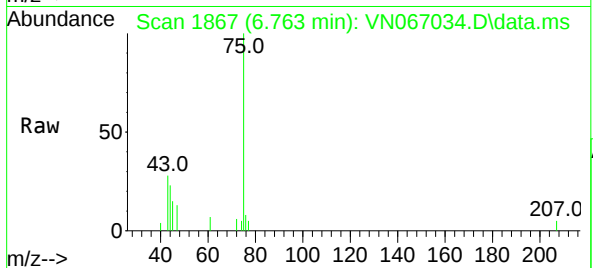
88 16.7 13.8 20.6



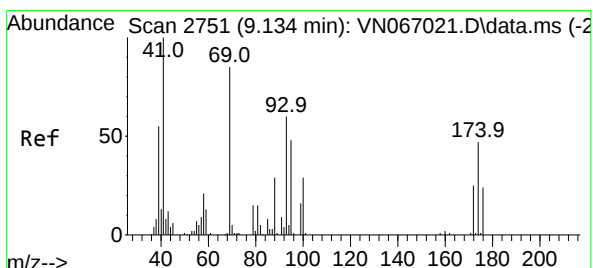
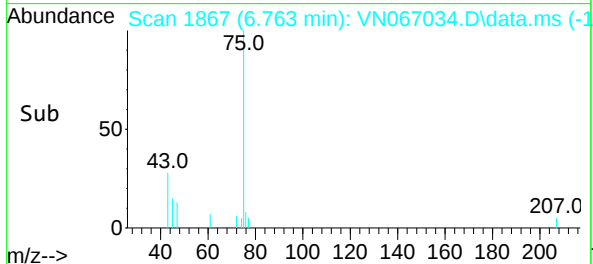
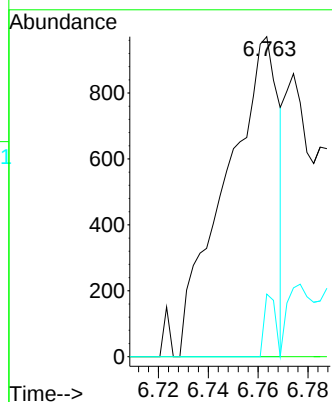


#30
2-Butanone
Concen: 0.44 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.014 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Instrument :
MSVOA_N
ClientSampled :
14B-2

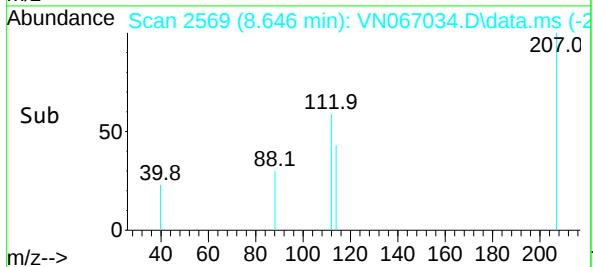
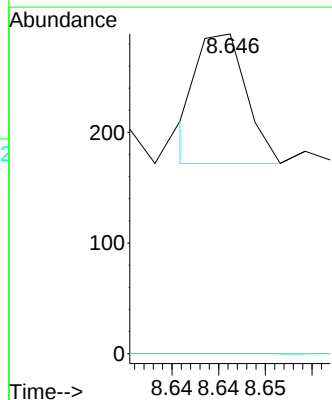
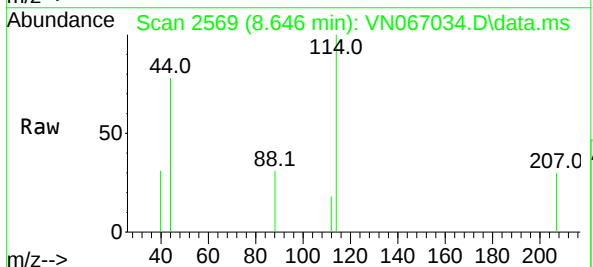


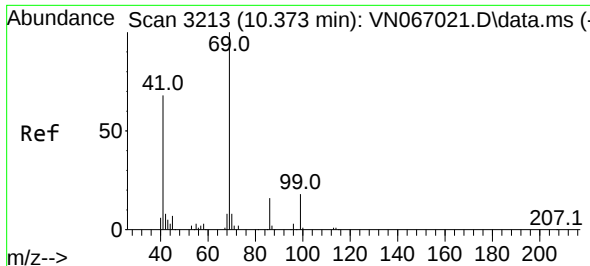
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 4.1 21.2 31.8#



#45
1,4-Dioxane
Concen: 0.58 ug/l
RT: 8.646 min Scan# 2569
Delta R.T. -0.488 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

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

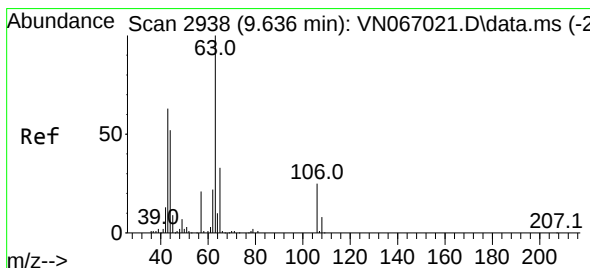
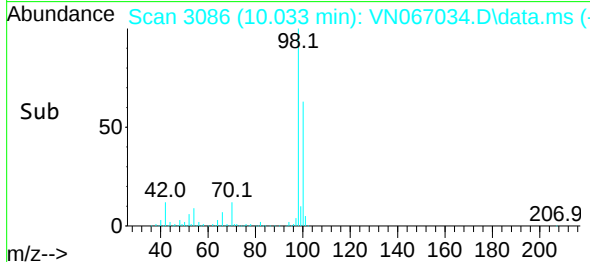
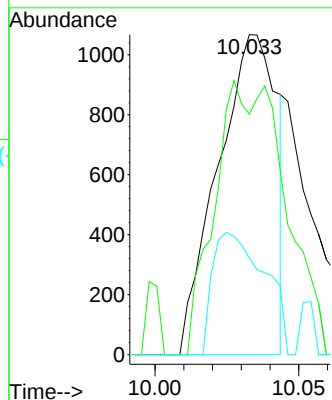
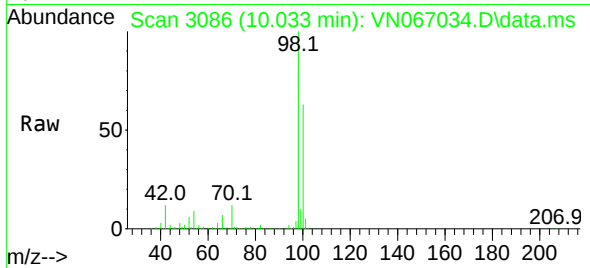




#51
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 10.033 min Scan# 3086
Delta R.T. -0.340 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

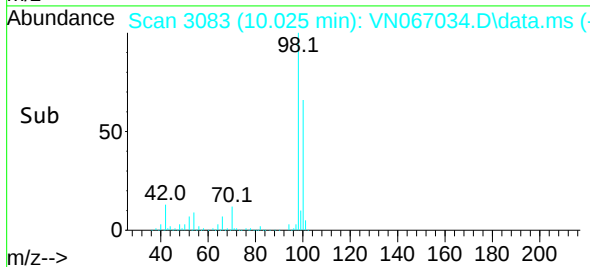
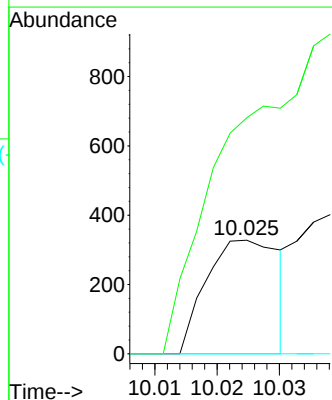
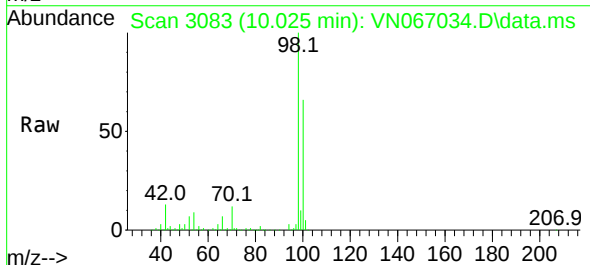
Instrument :
MSVOA_N
ClientSampled :
14B-2

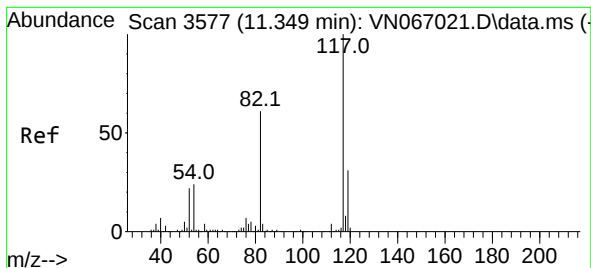
Tgt Ion: 69 Resp: 1517
Ion Ratio Lower Upper
69 100
41 75.2 33.9 101.7
39 30.3 17.3 51.9



#55
2-Chloroethyl vinyl ether
Concen: 0.21 ug/l
RT: 10.025 min Scan# 3083
Delta R.T. 0.389 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Tgt Ion: 63 Resp: 269
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#
106 0.0 18.9 28.3#

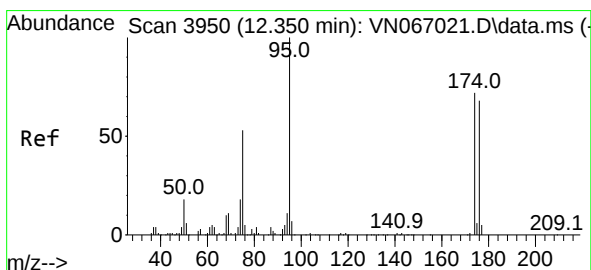
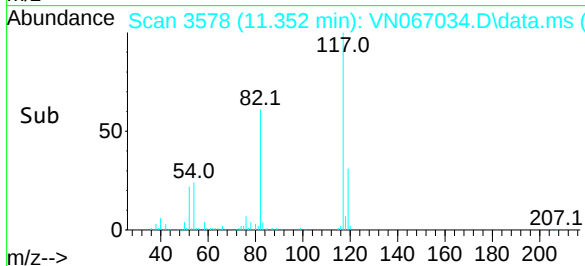
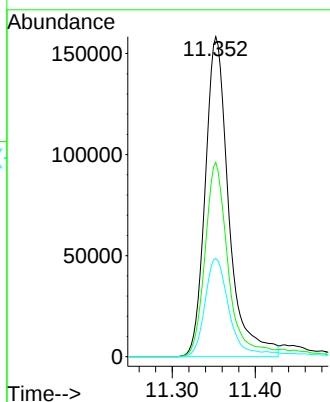
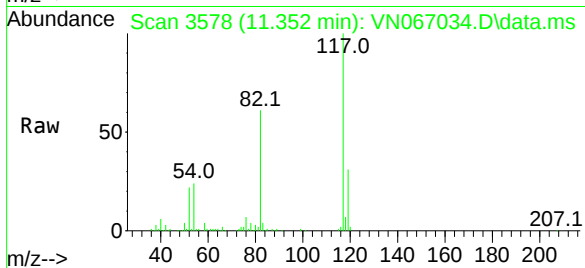




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

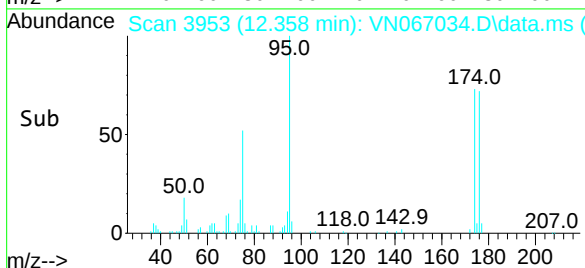
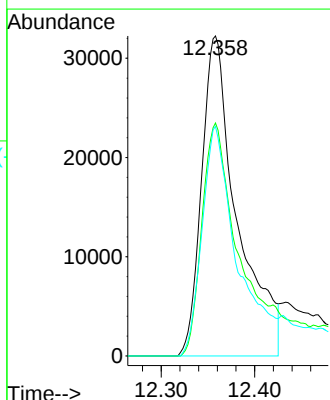
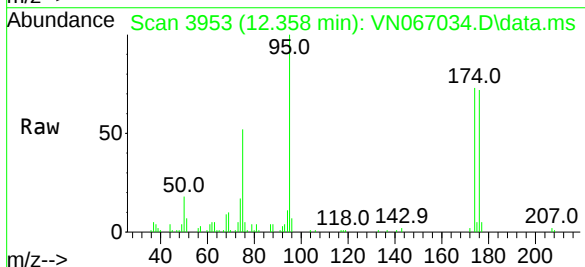
Instrument :
MSVOA_N
ClientSampleId :
14B-2

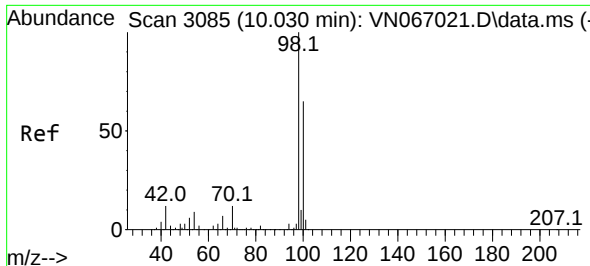
Tgt Ion:	117	Resp:	312125
Ion	Ratio	Lower	Upper
117	100		
82	59.4	49.3	73.9
119	30.8	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 16.42 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.008 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Tgt Ion:	95	Resp:	85283
Ion	Ratio	Lower	Upper
95	100		
174	71.9	57.2	85.8
176	70.9	54.5	81.7

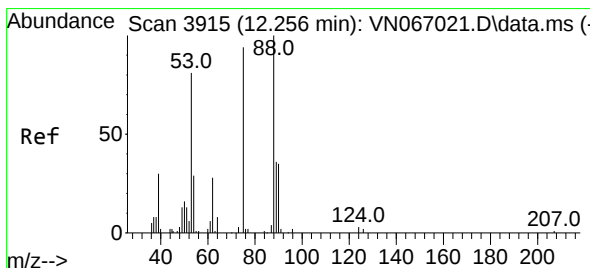
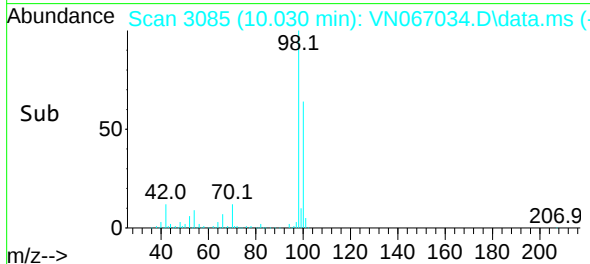
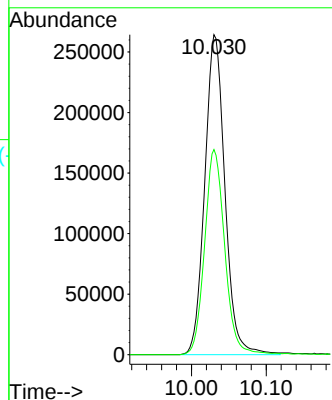
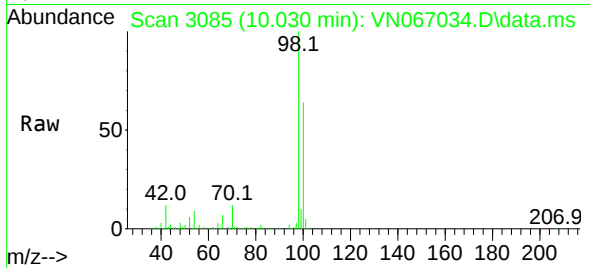




#63
Toluene-d8
Concen: 32.11 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Instrument :
MSVOA_N
ClientSampled :
14B-2

Tgt Ion: 98 Resp: 496394
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 27.12 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.102 min
Lab File: VN067034.D
Acq: 7 May 2021 1:59

Tgt Ion: 75 Resp: 48614
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

