

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067036.D
 Acq On : 7 May 2021 2:47
 Operator : JC/MD
 Sample : M2257-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: May 07 07:32:56 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)

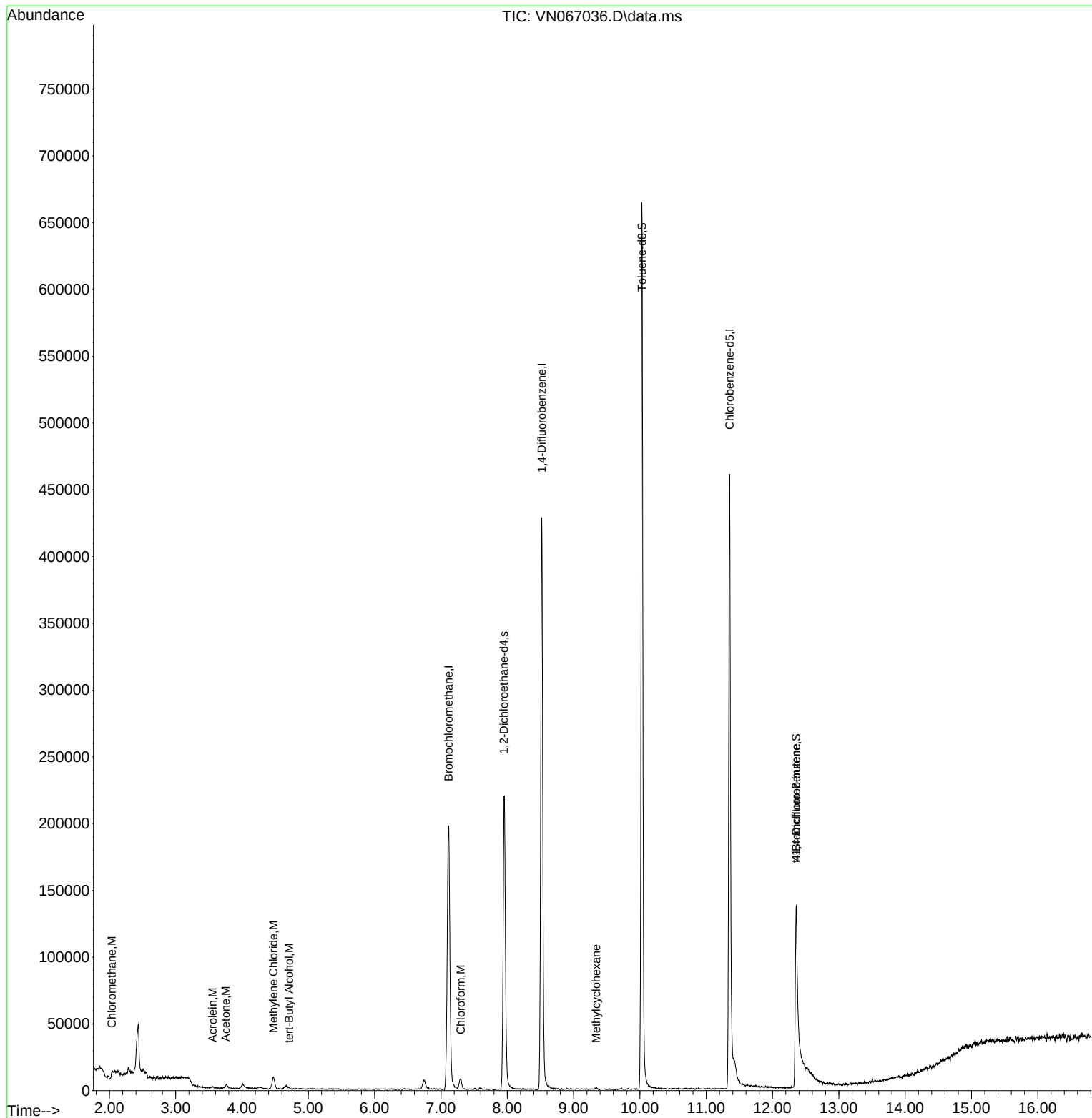
Internal Standards						
1) Bromochloromethane	7.115	128	74534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	360985	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	287834	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.952	65	199142	30.49	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.63%		
60) 4-Bromofluorobenzene	12.358	95	71076	14.84	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	49.47%#		
63) Toluene-d8	10.030	98	467936	32.82	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	109.40%		
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1822	0.23	ug/l	98
13) Acrolein	3.556	56	697	0.71	ug/l #	70
15) Acetone	3.754	58	457	0.66	ug/l #	1
18) Methylene Chloride	4.473	84	3336	0.58	ug/l	91
23) tert-Butyl Alcohol	4.709	59	261	0.27	ug/l #	100
25) Chloroform	7.297	83	8515	0.87	ug/l	98
38) Methylcyclohexane	9.341	83	1277	0.20	ug/l #	15
77) t-1,4-Dichloro-2-butene	12.355	75	38222	24.21	ug/l #	16

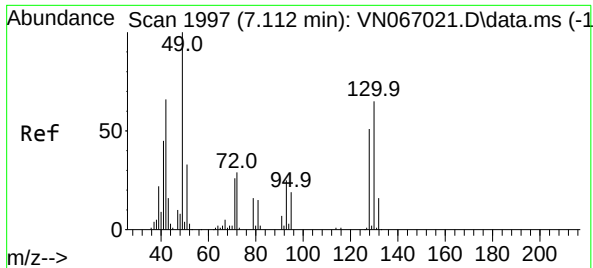
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
14B-4

Quant Time: May 07 07:32:56 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

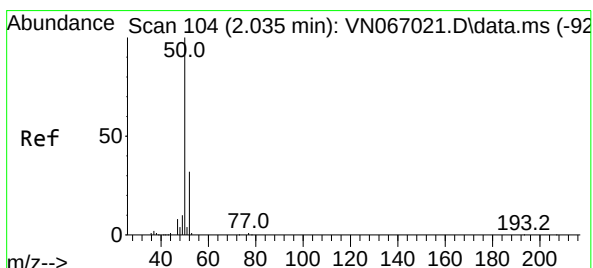
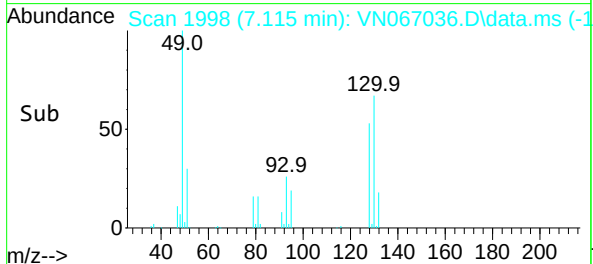
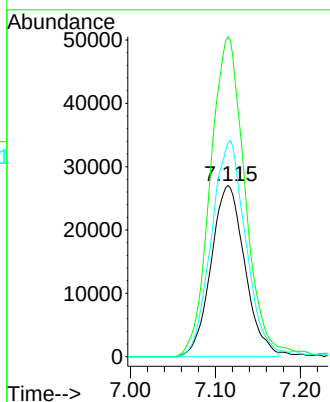
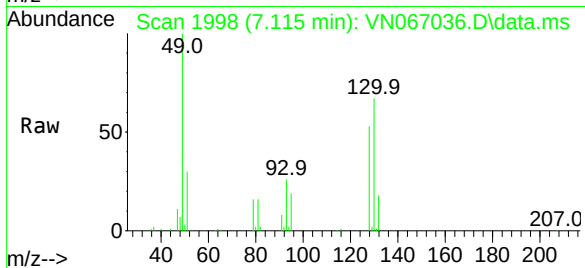




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.115 min Scan# 1998
Delta R.T. 0.003 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

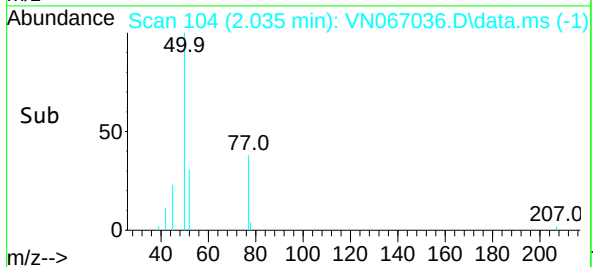
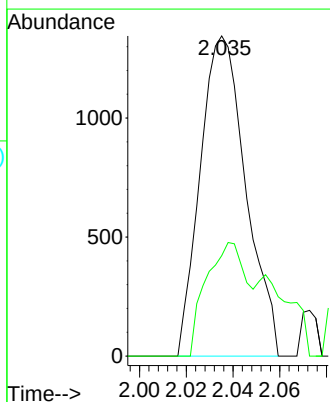
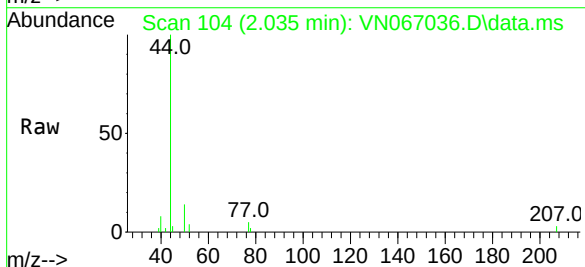
Instrument :
MSVOA_N
ClientSampled :
14B-4

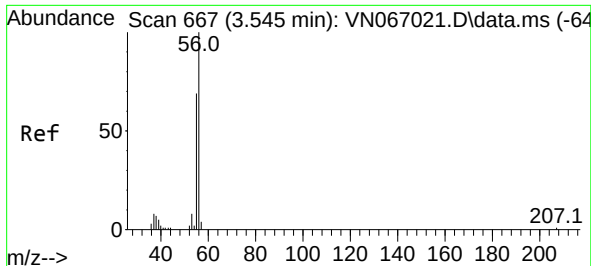
Tgt Ion:128 Resp: 74534
Ion Ratio Lower Upper
128 100
49 192.0 0.0 486.3
130 129.2 0.0 326.0



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Tgt Ion: 50 Resp: 1822
Ion Ratio Lower Upper
50 100
52 31.4 25.9 38.9

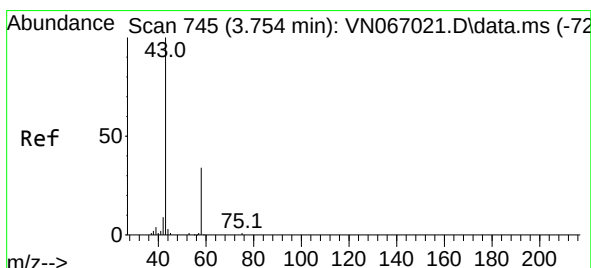
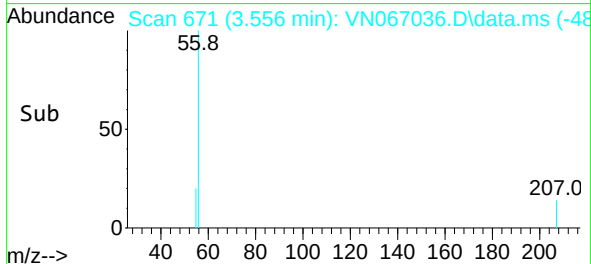
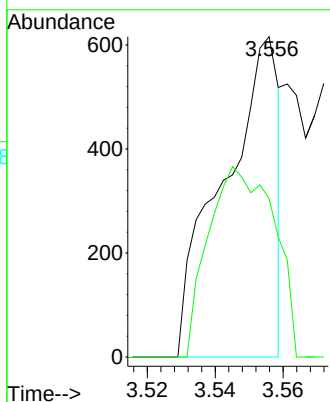
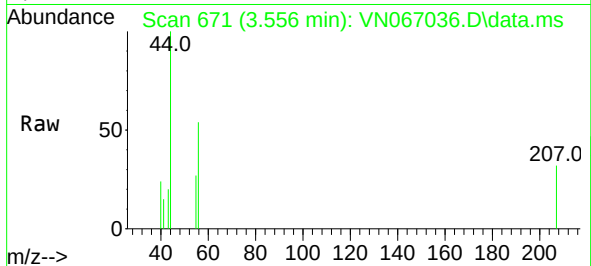




#13
Acrolein
Concen: 0.71 ug/l
RT: 3.556 min Scan# 671
Delta R.T. 0.011 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

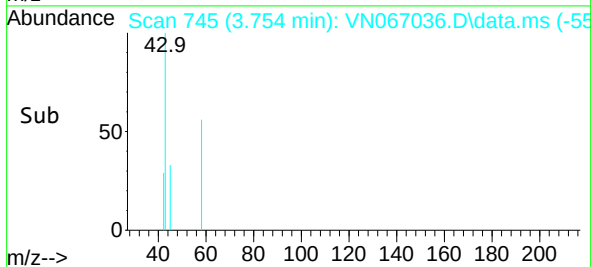
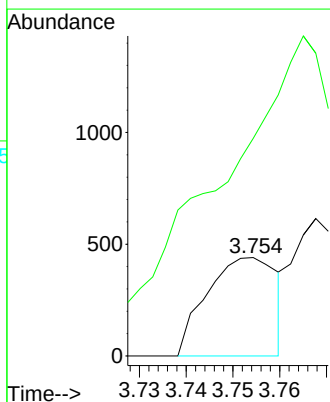
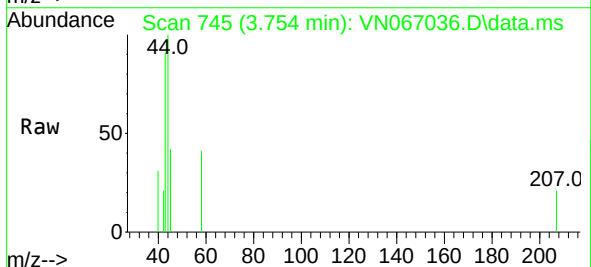
Instrument :
MSVOA_N
ClientSampled :
14B-4

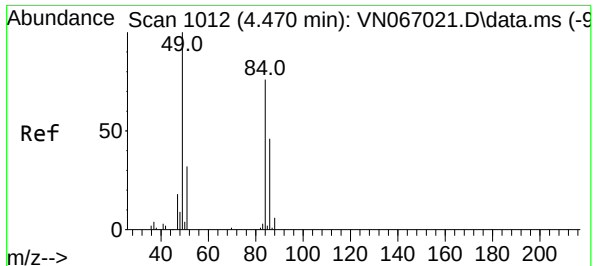
Tgt Ion: 56 Resp: 697
Ion Ratio Lower Upper
56 100
55 46.2 56.6 84.8#



#15
Acetone
Concen: 0.66 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

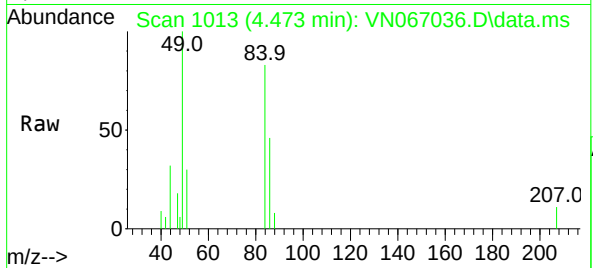
Tgt Ion: 58 Resp: 457
Ion Ratio Lower Upper
58 100
43 73.0 235.0 352.6#





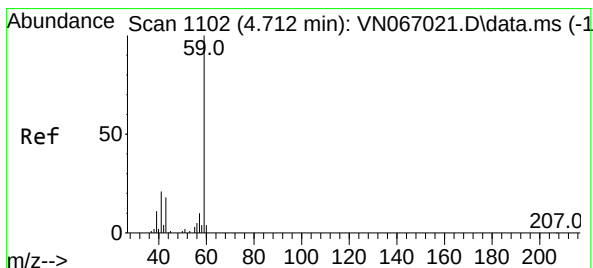
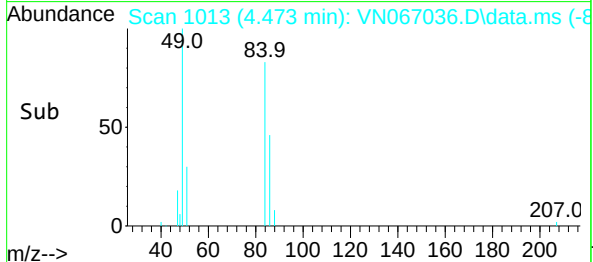
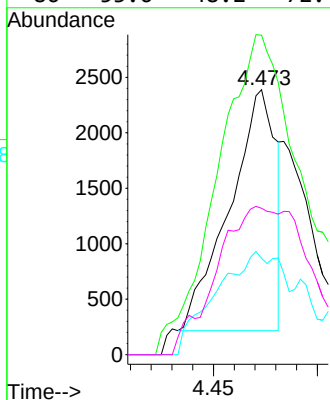
#18
Methylene Chloride
Concen: 0.58 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Instrument :
MSVOA_N
ClientSampled :
14B-4



Tgt Ion: 84 Resp: 3336

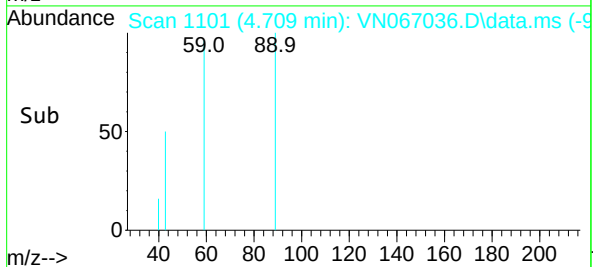
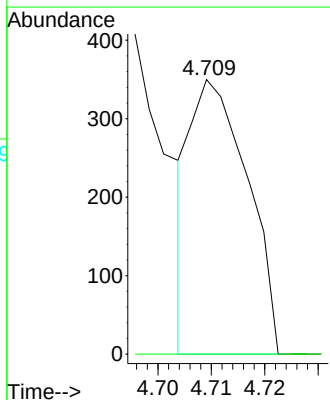
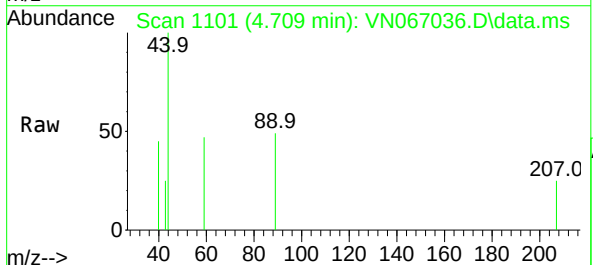
Ion	Ratio	Lower	Upper
84	100		
49	117.3	105.0	157.6
51	39.9	33.3	49.9
86	53.6	48.2	72.4

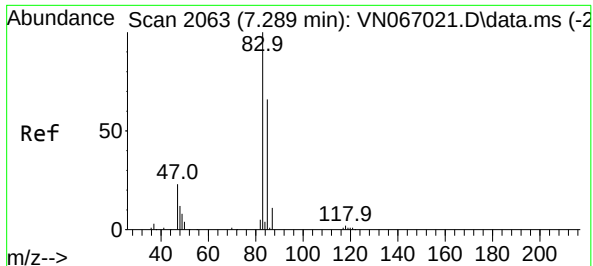


#23
tert-Butyl Alcohol
Concen: 0.27 ug/l
RT: 4.709 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Tgt Ion: 59 Resp: 261

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

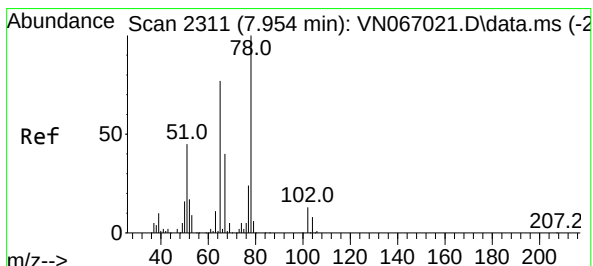
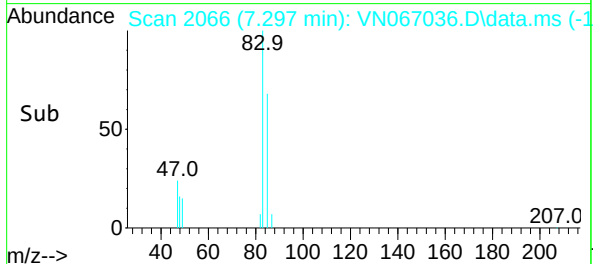
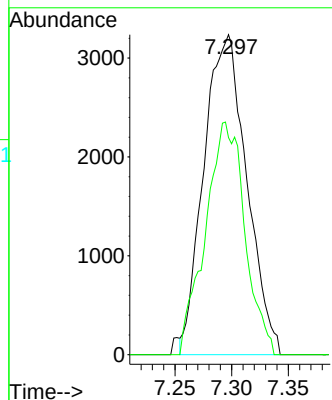
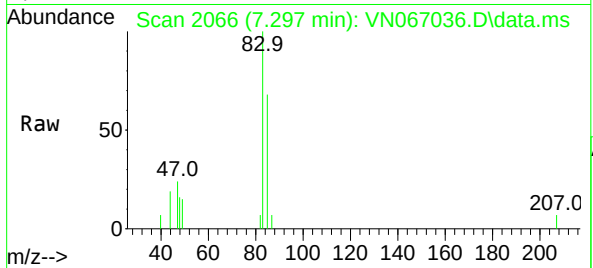




#25
Chloroform
Concen: 0.87 ug/l
RT: 7.297 min Scan# 2066
Delta R.T. 0.008 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

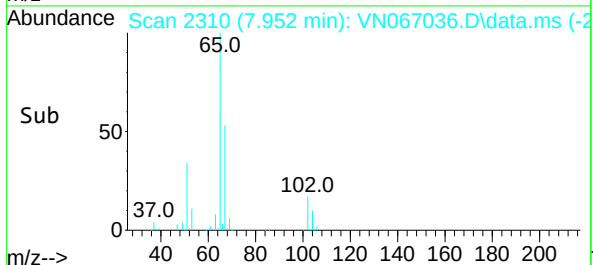
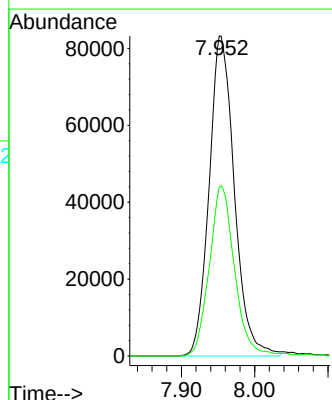
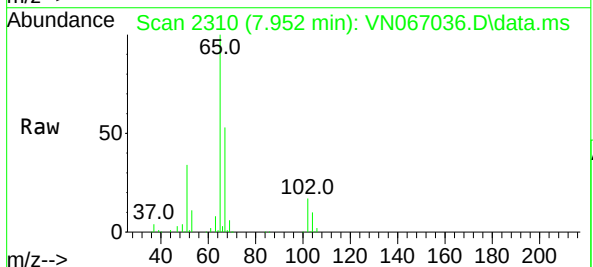
Instrument :
MSVOA_N
ClientSampled :
14B-4

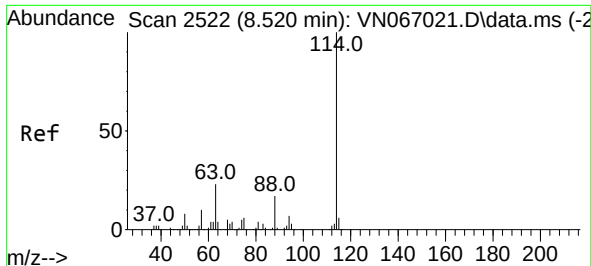
Tgt Ion: 83 Resp: 8515
Ion Ratio Lower Upper
83 100
85 67.8 53.0 79.6



#27
1,2-Dichloroethane-d4
Concen: 30.49 ug/l
RT: 7.952 min Scan# 2310
Delta R.T. -0.002 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Tgt Ion: 65 Resp: 199142
Ion Ratio Lower Upper
65 100
67 52.8 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: VN067036.D

Acq: 7 May 2021 2:47

Tgt Ion: 114 Resp: 360985

Ion Ratio Lower Upper

114 100

63 23.3 18.8 28.2

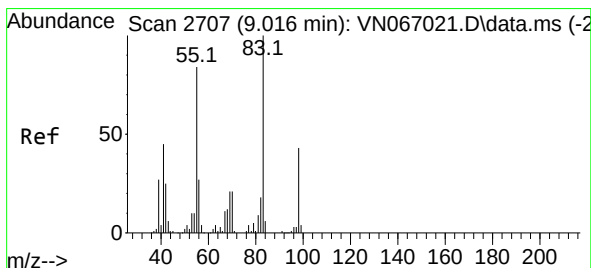
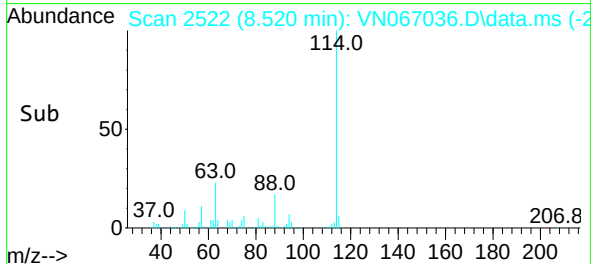
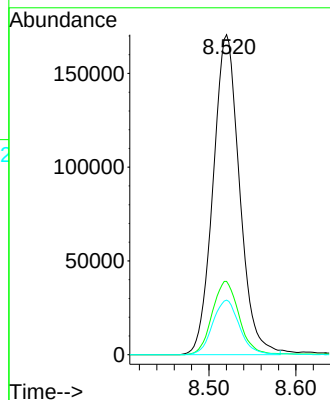
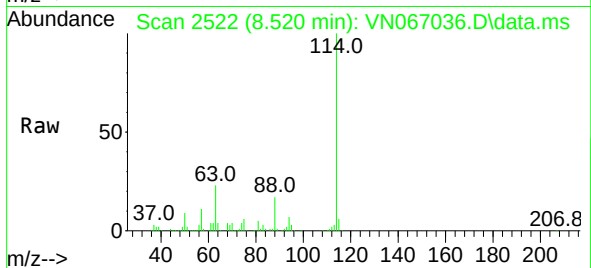
88 17.3 13.8 20.6

Instrument :

MSVOA_N

ClientSampled :

14B-4



#38

Methylcyclohexane

Concen: 0.20 ug/l

RT: 9.341 min Scan# 2828

Delta R.T. 0.325 min

Lab File: VN067036.D

Acq: 7 May 2021 2:47

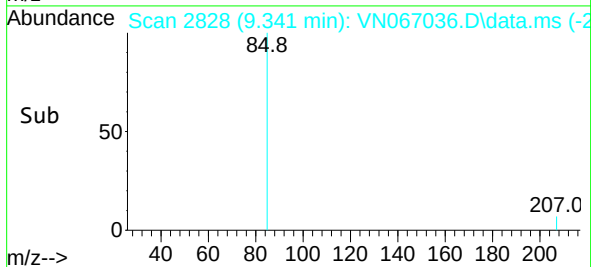
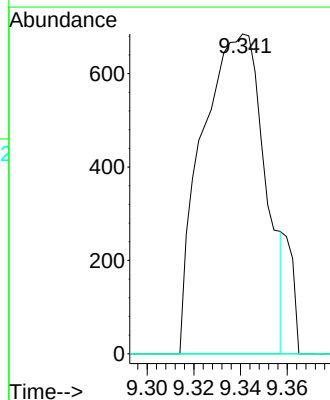
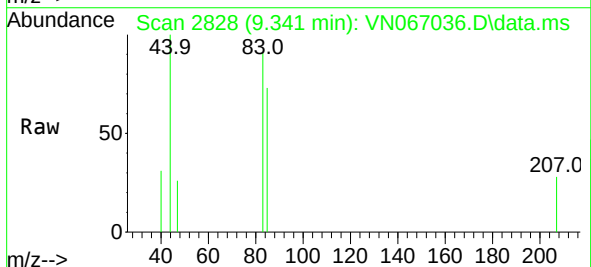
Tgt Ion: 83 Resp: 1277

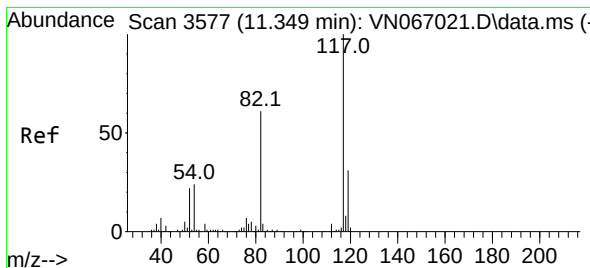
Ion Ratio Lower Upper

83 100

55 0.0 43.1 129.3#

98 0.0 22.0 66.0#

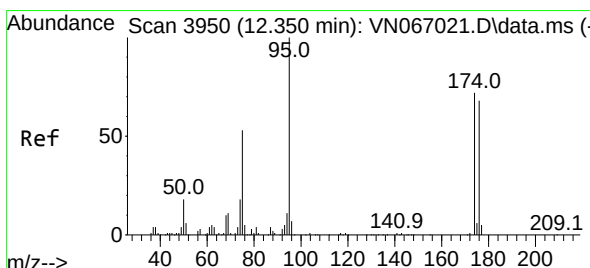
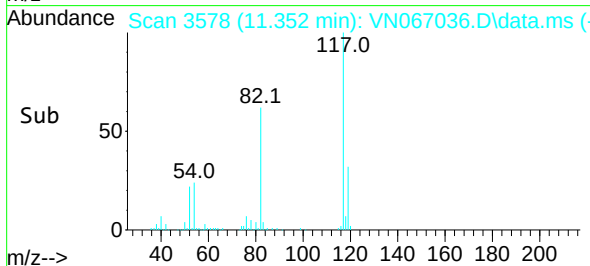
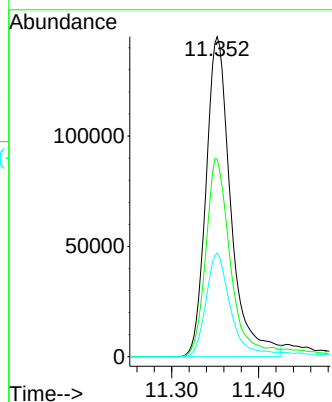
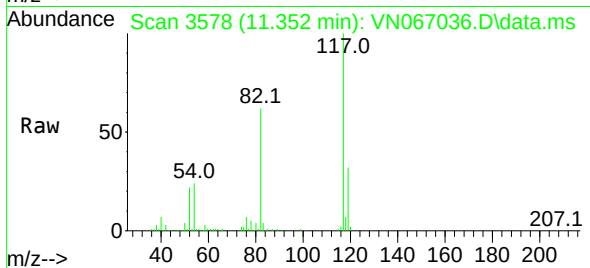




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

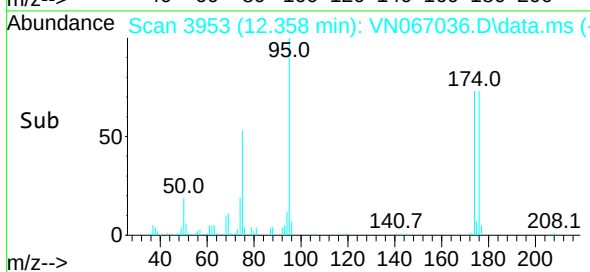
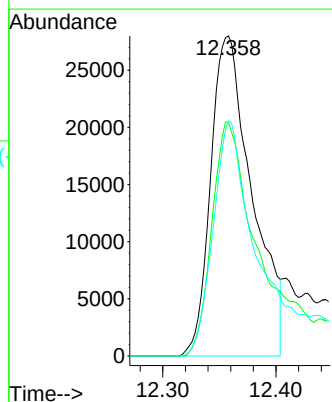
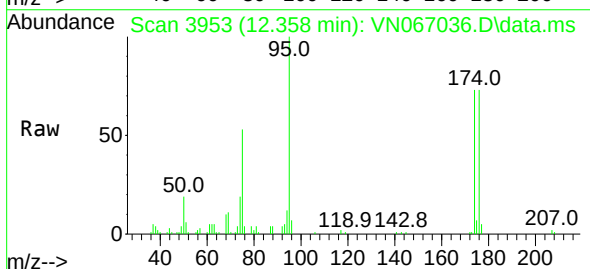
Instrument :
MSVOA_N
ClientSampled :
14B-4

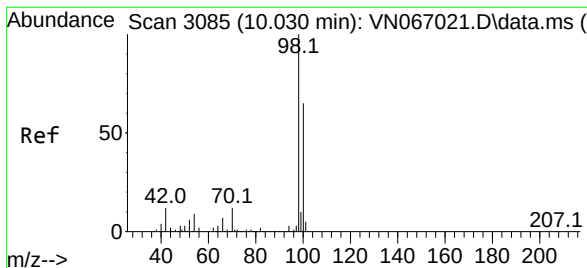
Tgt Ion:	117	Resp:	287834
Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.3	73.9
119	31.9	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 14.84 ug/l
RT: 12.358 min Scan# 3953
Delta R.T. 0.008 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Tgt Ion:	95	Resp:	71076
Ion	Ratio	Lower	Upper
95	100		
174	83.0	57.2	85.8
176	72.2	54.5	81.7

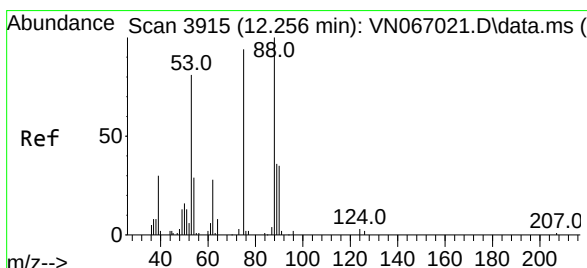
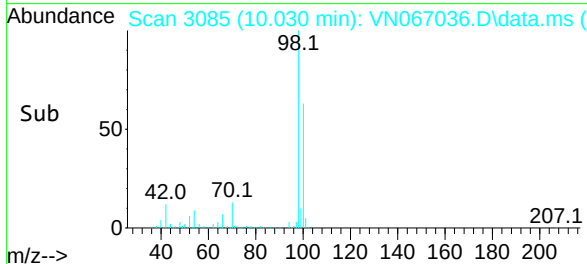
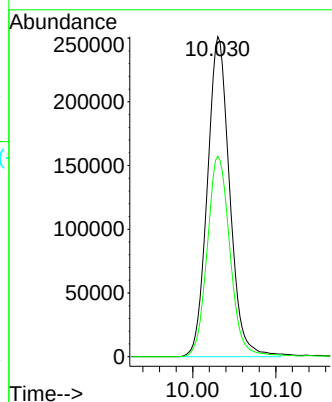
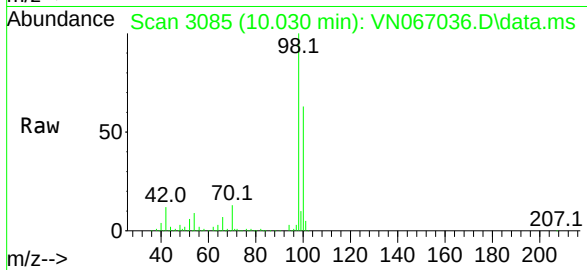




#63
Toluene-d8
Concen: 32.82 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Instrument :
MSVOA_N
ClientSampled :
14B-4

Tgt Ion: 98 Resp: 467936
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 24.21 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067036.D
Acq: 7 May 2021 2:47

Tgt Ion: 75 Resp: 38222
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

