

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067035.D
 Acq On : 7 May 2021 2:23
 Operator : JC/MD
 Sample : M2257-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: May 07 07:32:43 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)

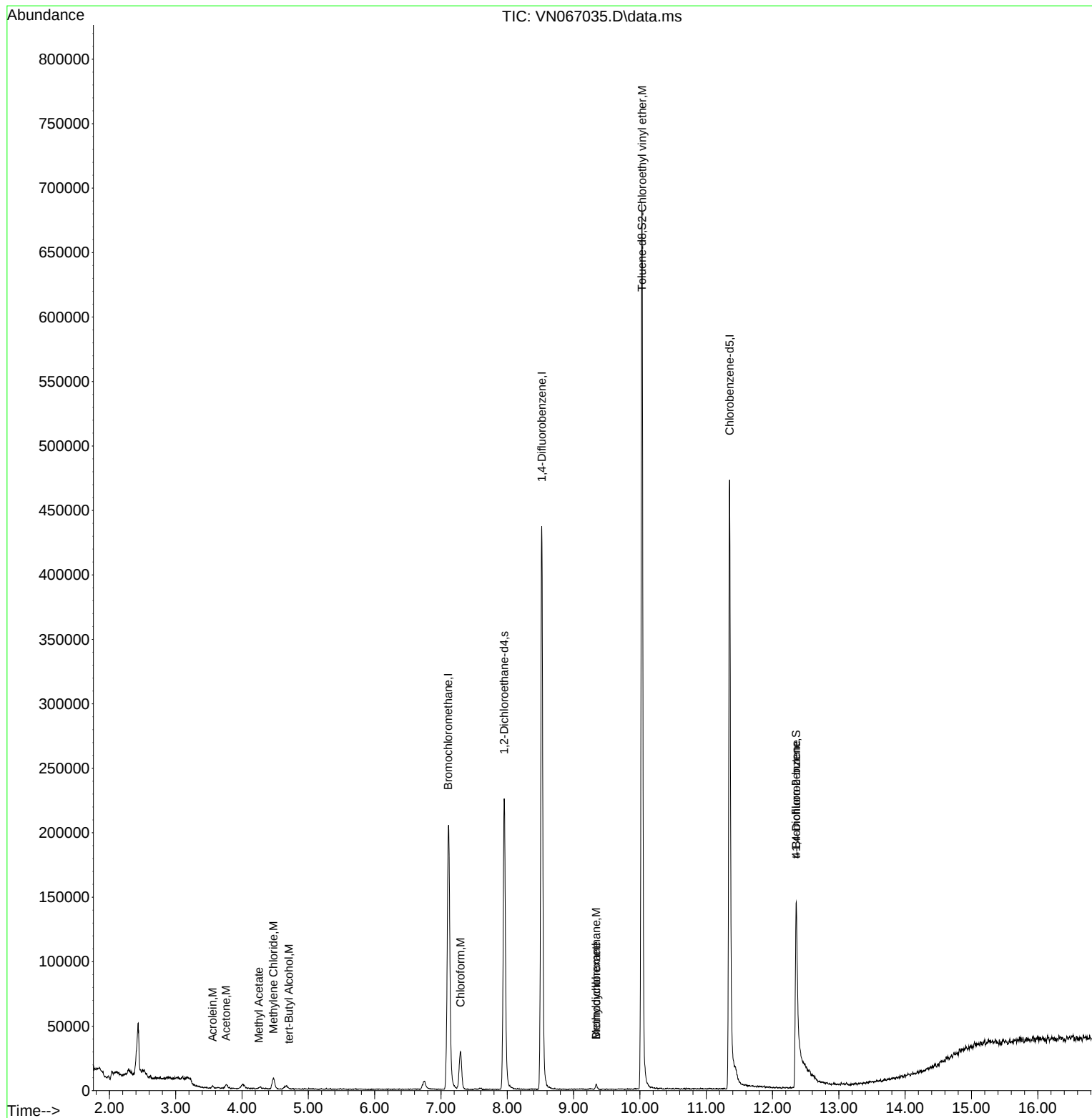
Internal Standards						
1) Bromochloromethane	7.109	128	40642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.520	114	378041	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.352	117	292659	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.954	65	205290	57.65	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	192.17%#
60) 4-Bromofluorobenzene	12.355	95	74945	15.39	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	51.30%#
63) Toluene-d8	10.030	98	484243	33.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	111.33%
Target Compounds						
						Qvalue
12) Methyl Acetate	4.256	43	1176	0.36	ug/l #	80
13) Acrolein	3.558	56	1171	2.18	ug/l	87
15) Acetone	3.757	58	287	0.76	ug/l #	61
18) Methylene Chloride	4.473	84	3617	1.15	ug/l	92
23) tert-Butyl Alcohol	4.706	59	164	0.32	ug/l #	100
25) Chloroform	7.294	83	30796	5.76	ug/l	92
38) Methylcyclohexane	9.341	83	2999	0.46	ug/l #	15
41) Bromodichloromethane	9.341	83	2999	0.39	ug/l #	84
55) 2-Chloroethyl vinyl ether	10.035	63	346	0.27	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.355	75	38948	24.24	ug/l #	16

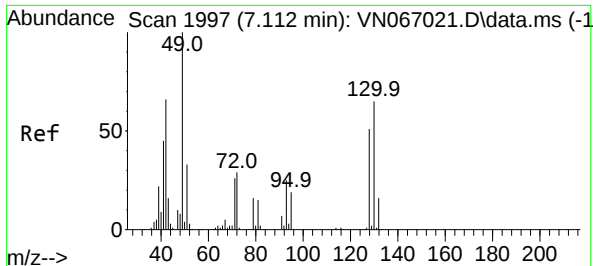
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067035.D
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Instrument :
MSVOA_N
ClientSampleId :
14B-3

Quant Time: May 07 07:32:43 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

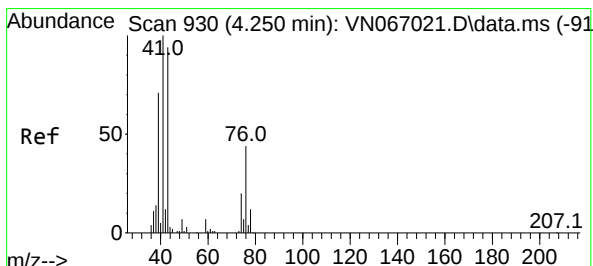
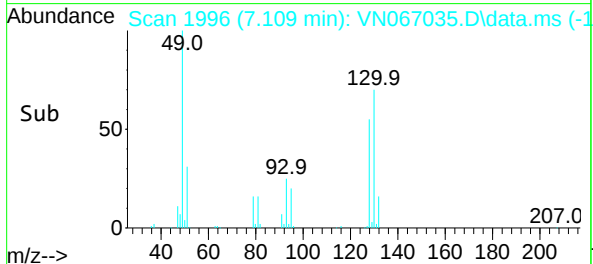
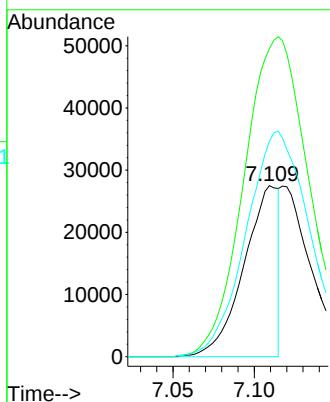
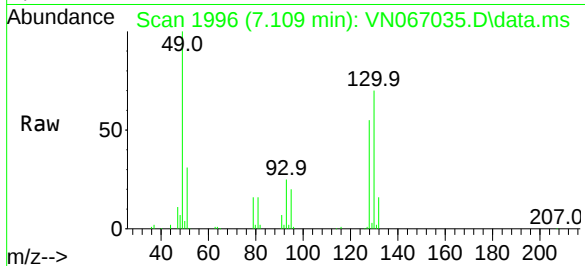




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.109 min Scan# 1996
Delta R.T. -0.003 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

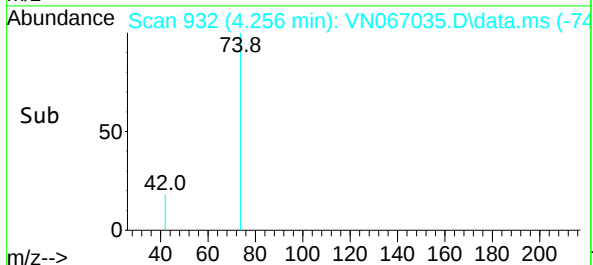
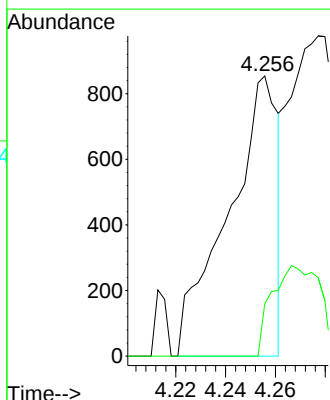
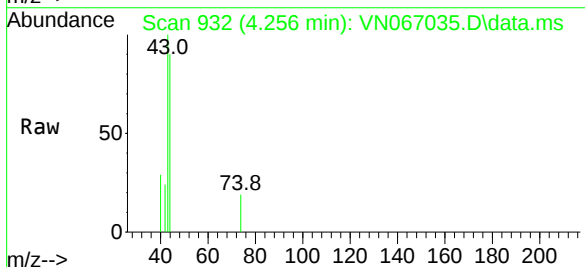
Instrument :
MSVOA_N
ClientSampled :
14B-3

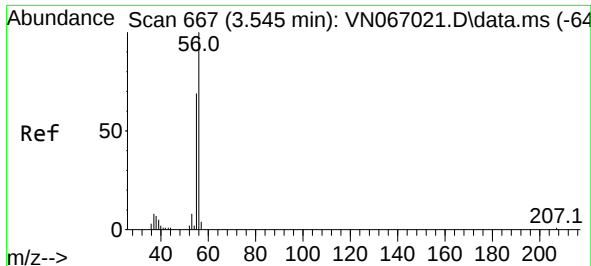
Tgt Ion:128 Resp: 40642
Ion Ratio Lower Upper
128 100
49 357.6 0.0 486.3
130 248.0 0.0 326.0



#12
Methyl Acetate
Concen: 0.36 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

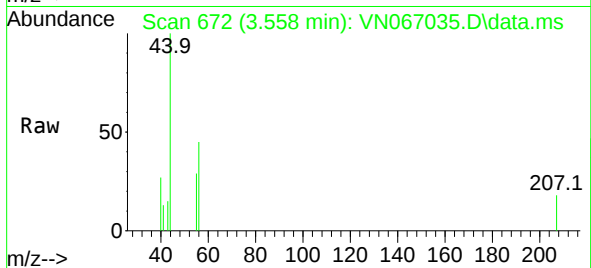
Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
74 12.2 17.2 25.8#



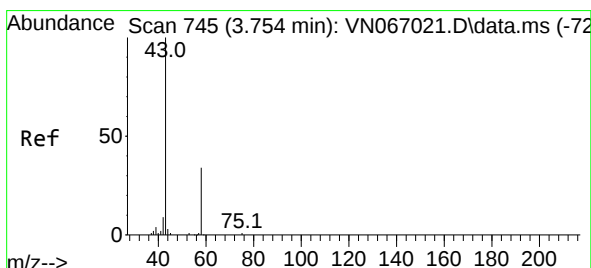
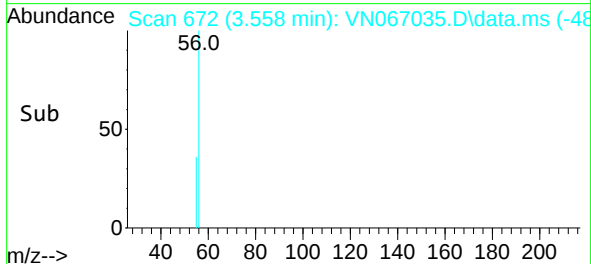
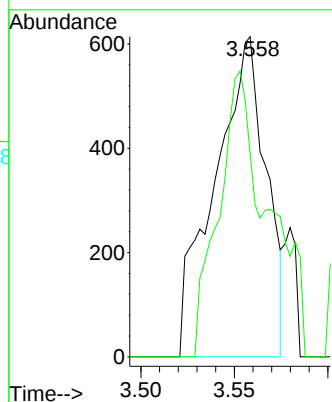


#13
Acrolein
Concen: 2.18 ug/l
RT: 3.558 min Scan# 672
Delta R.T. 0.013 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Instrument :
MSVOA_N
ClientSampled :
14B-3

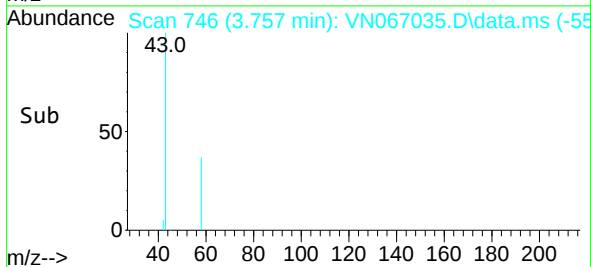
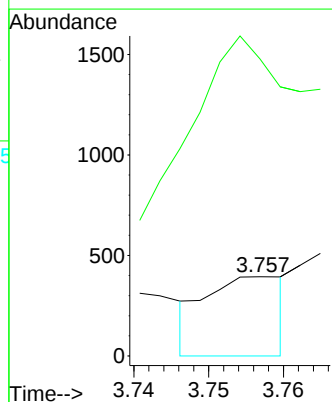
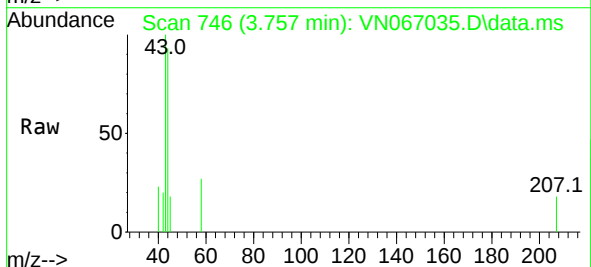


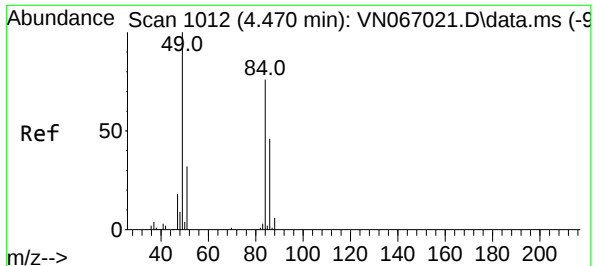
Tgt Ion: 56 Resp: 1171
Ion Ratio Lower Upper
56 100
55 60.4 56.6 84.8



#15
Acetone
Concen: 0.76 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

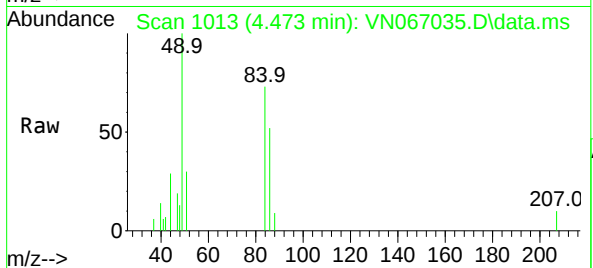
Tgt Ion: 58 Resp: 287
Ion Ratio Lower Upper
58 100
43 368.6 235.0 352.6#





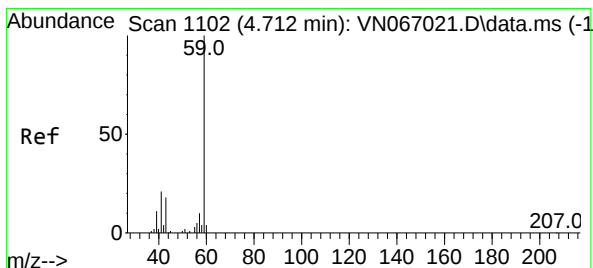
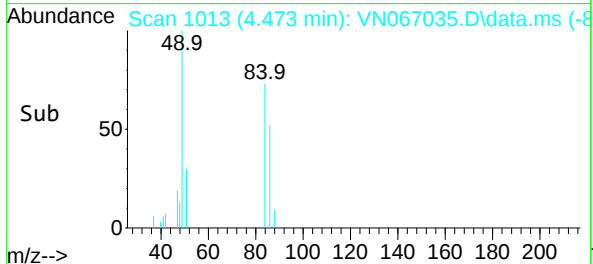
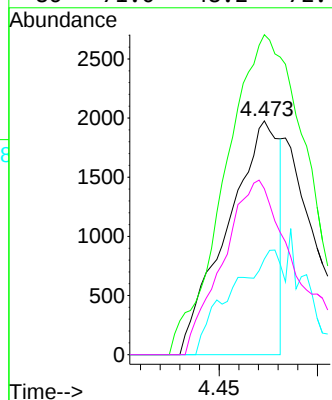
#18
Methylene Chloride
Concen: 1.15 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Instrument :
MSVOA_N
ClientSampled :
14B-3



Tgt Ion: 84 Resp: 3617

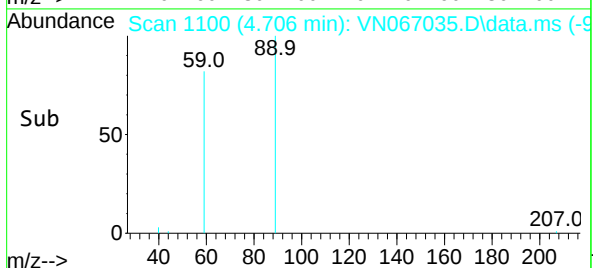
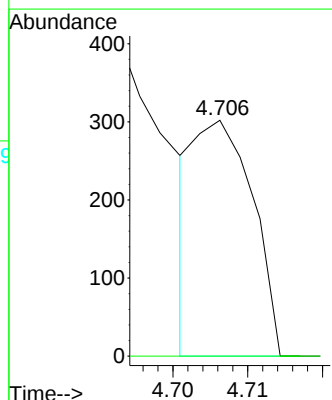
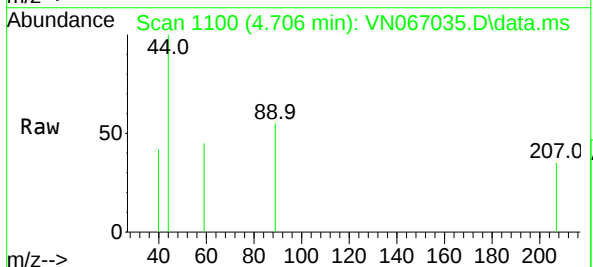
Ion	Ratio	Lower	Upper
84	100		
49	122.4	105.0	157.6
51	40.9	33.3	49.9
86	71.0	48.2	72.4

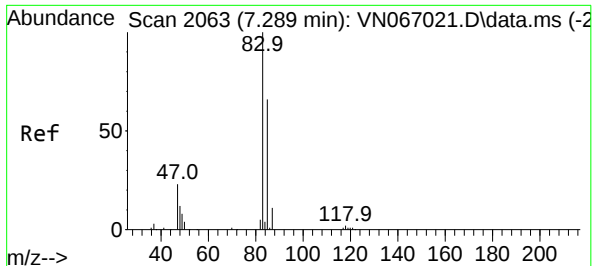


#23
tert-Butyl Alcohol
Concen: 0.32 ug/l
RT: 4.706 min Scan# 1100
Delta R.T. -0.005 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Tgt Ion: 59 Resp: 164

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



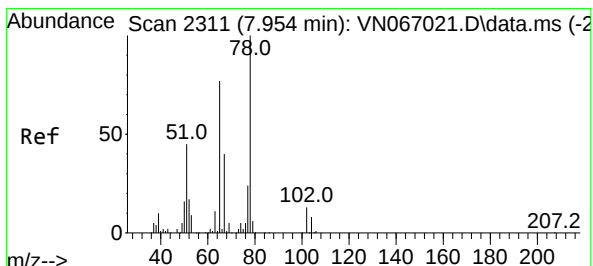
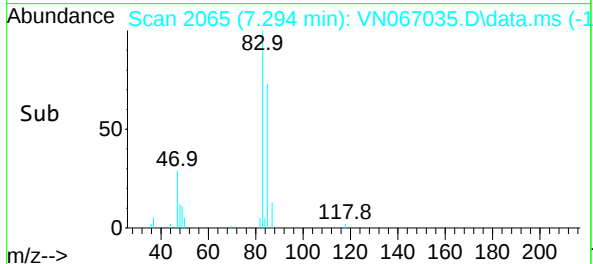
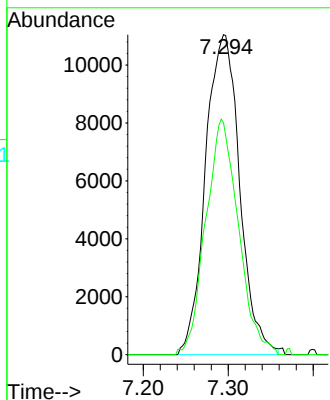
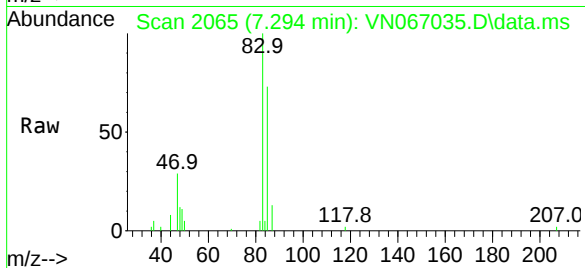


#25

Chloroform
Concen: 5.76 ug/l
RT: 7.294 min Scan# 2065
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Instrument :
MSVOA_N
ClientSampleId :
14B-3

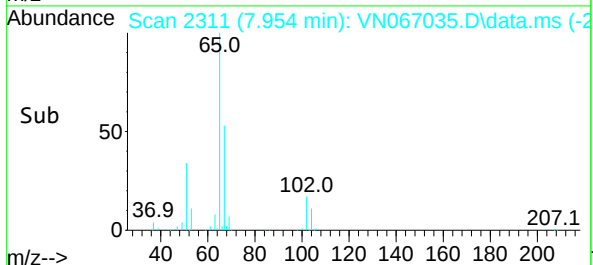
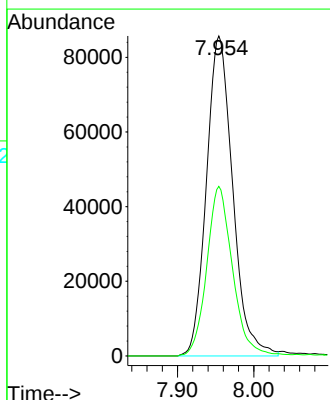
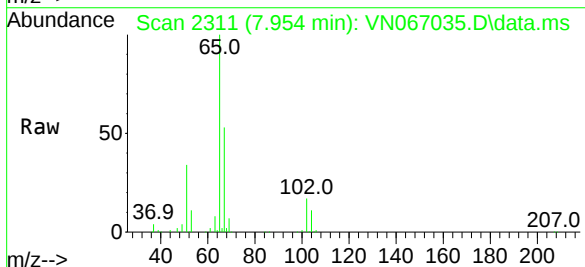
Tgt Ion: 83 Resp: 30796
Ion Ratio Lower Upper
83 100
85 72.5 53.0 79.6

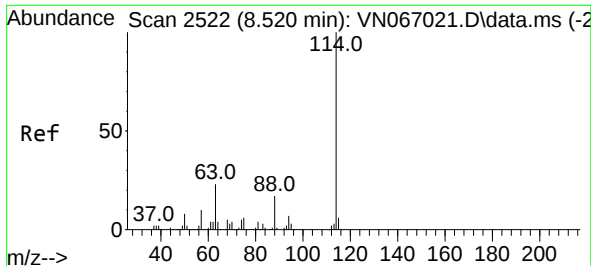


#27

1,2-Dichloroethane-d4
Concen: 57.65 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Tgt Ion: 65 Resp: 205290
Ion Ratio Lower Upper
65 100
67 51.7 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: VN067035.D

Acq: 7 May 2021 2:23

Tgt Ion:114 Resp: 378041

Ion Ratio Lower Upper

114 100

63 22.9 18.8 28.2

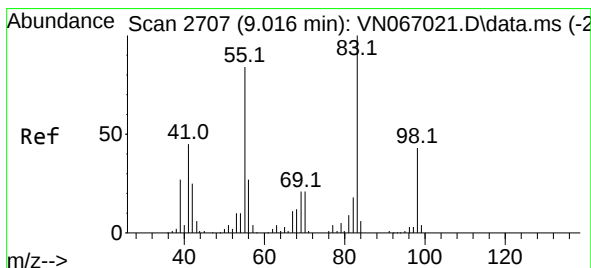
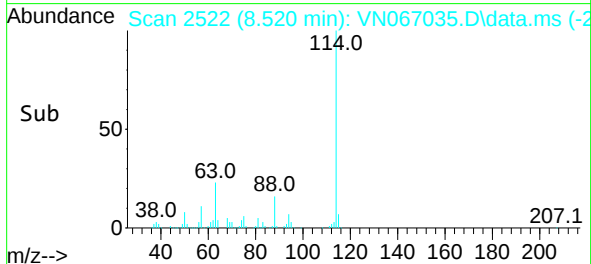
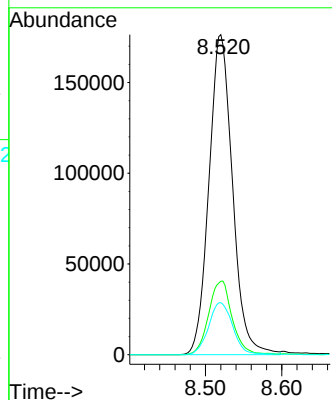
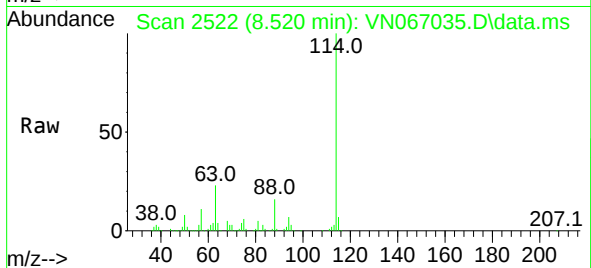
88 16.7 13.8 20.6

Instrument :

MSVOA_N

ClientSampled :

14B-3



#38

Methylcyclohexane

Concen: 0.46 ug/l

RT: 9.341 min Scan# 2828

Delta R.T. 0.325 min

Lab File: VN067035.D

Acq: 7 May 2021 2:23

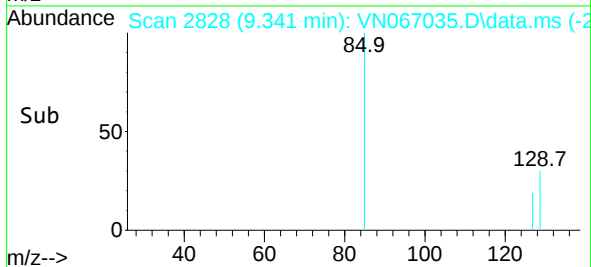
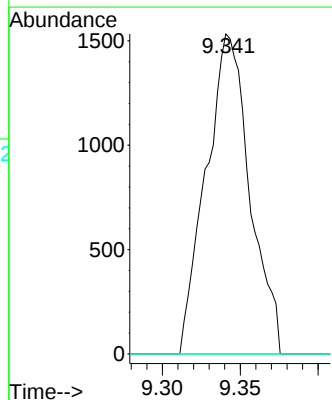
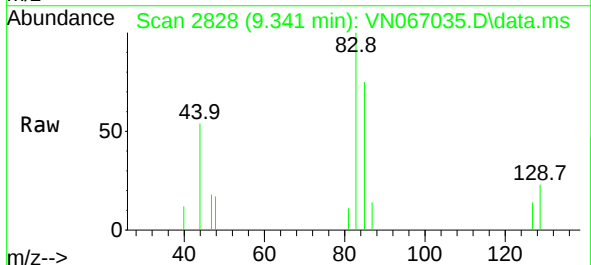
Tgt Ion: 83 Resp: 2999

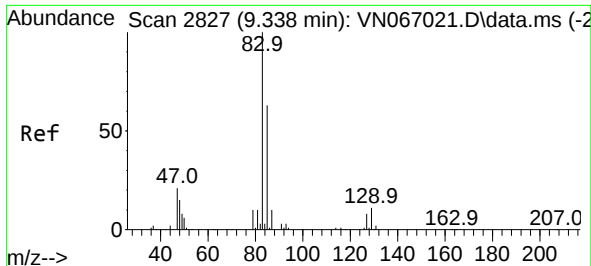
Ion Ratio Lower Upper

83 100

55 0.0 43.1 129.3#

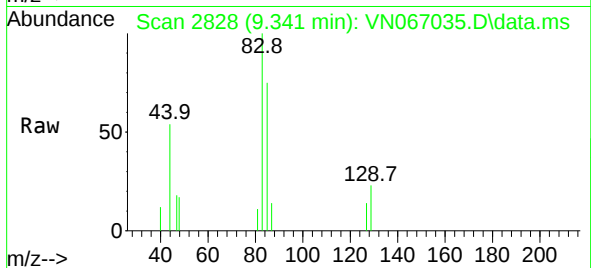
98 0.0 22.0 66.0#



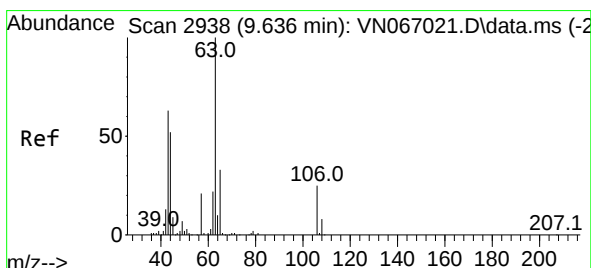
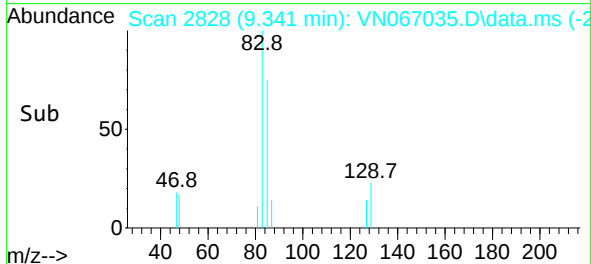
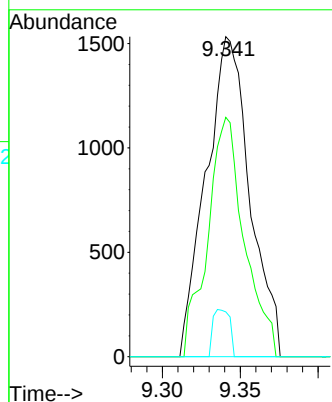


#41
Bromodichloromethane
Concen: 0.39 ug/l
RT: 9.341 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Instrument :
MSVOA_N
ClientSampled :
14B-3

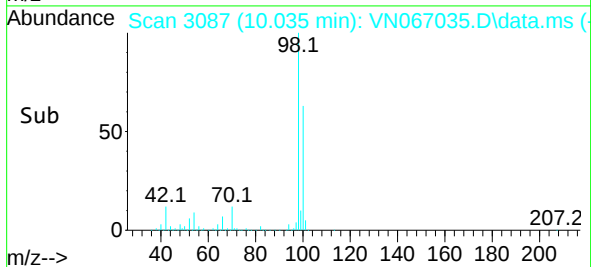
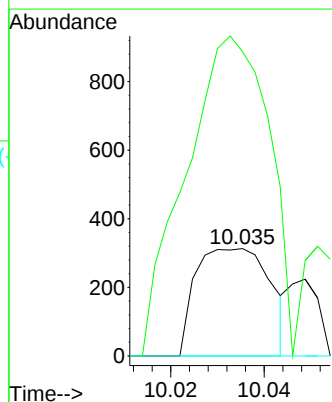
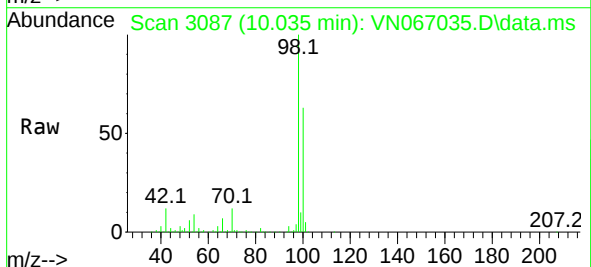


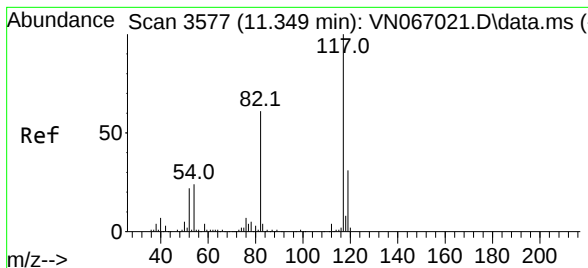
Tgt Ion: 83 Resp: 2999
Ion Ratio Lower Upper
83 100
85 74.8 50.0 75.0
127 14.0 6.5 9.7#



#55
2-Chloroethyl vinyl ether
Concen: 0.27 ug/l
RT: 10.035 min Scan# 3087
Delta R.T. 0.400 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Tgt Ion: 63 Resp: 346
Ion Ratio Lower Upper
63 100
65 334.4 25.4 38.2#
106 0.0 18.9 28.3#

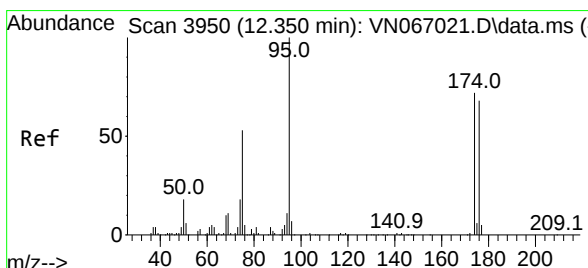
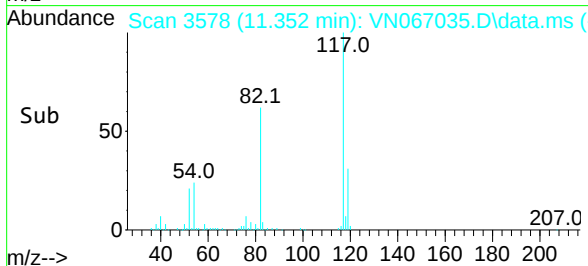
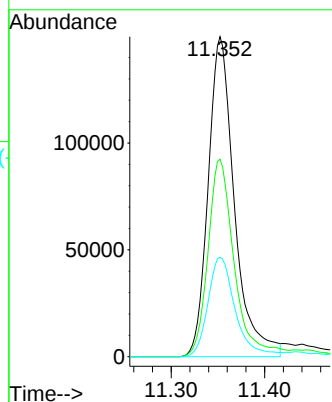
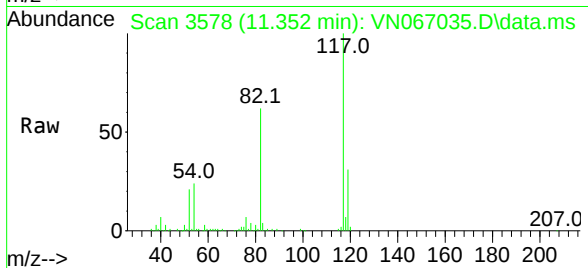




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

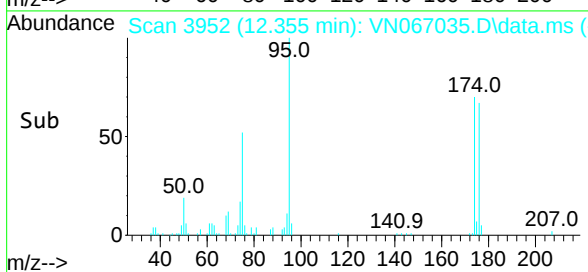
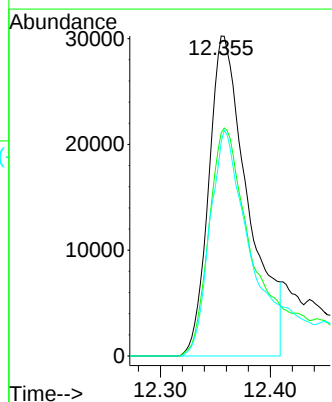
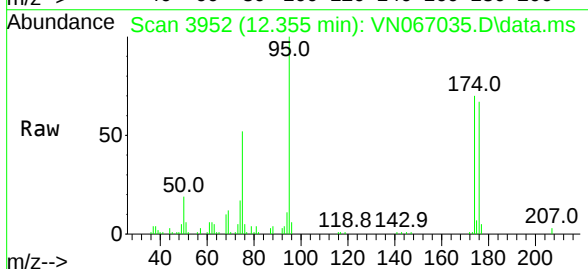
Instrument :
MSVOA_N
ClientSampleId :
14B-3

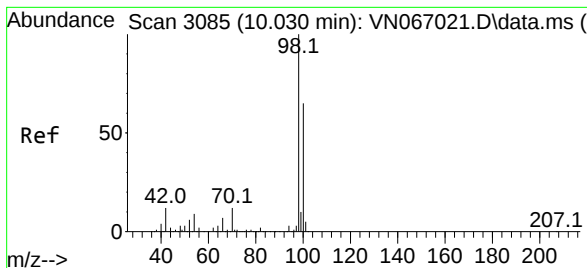
Tgt Ion:117 Resp: 292659
Ion Ratio Lower Upper
117 100
82 60.3 49.3 73.9
119 32.6 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 15.39 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Tgt Ion: 95 Resp: 74945
Ion Ratio Lower Upper
95 100
174 77.6 57.2 85.8
176 79.7 54.5 81.7

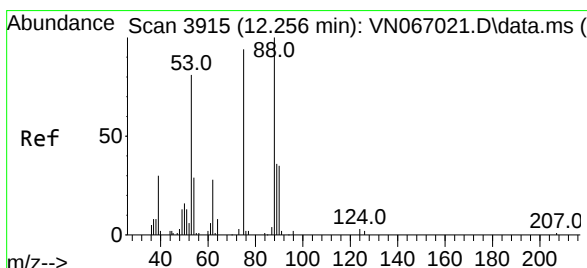
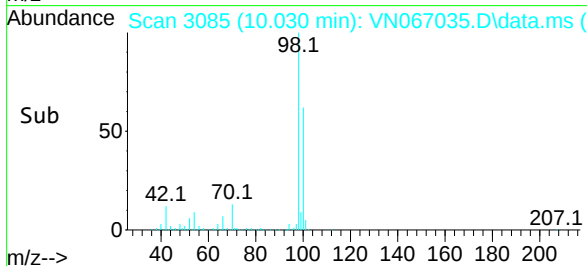
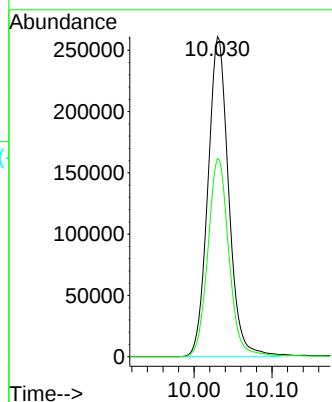
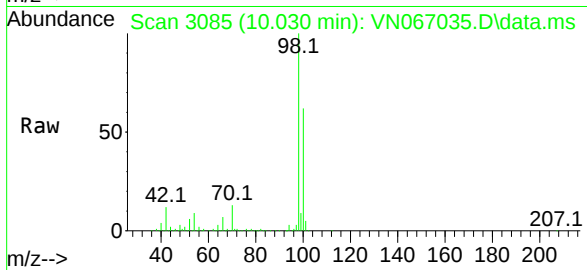




#63
Toluene-d8
Concen: 33.40 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tgt Ion: 98 Resp: 484243
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 24.24 ug/l
RT: 12.355 min Scan# 3952
Delta R.T. 0.099 min
Lab File: VN067035.D
Acq: 7 May 2021 2:23

Tgt Ion: 75 Resp: 38948
Ion Ratio Lower Upper
75 100
53 0.0 43.1 129.4#
89 0.0 18.8 56.4#

