

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070156.D
 Acq On : 17 Dec 2021 11:32
 Operator : JC/MD
 Sample : VN1217WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 05:29:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

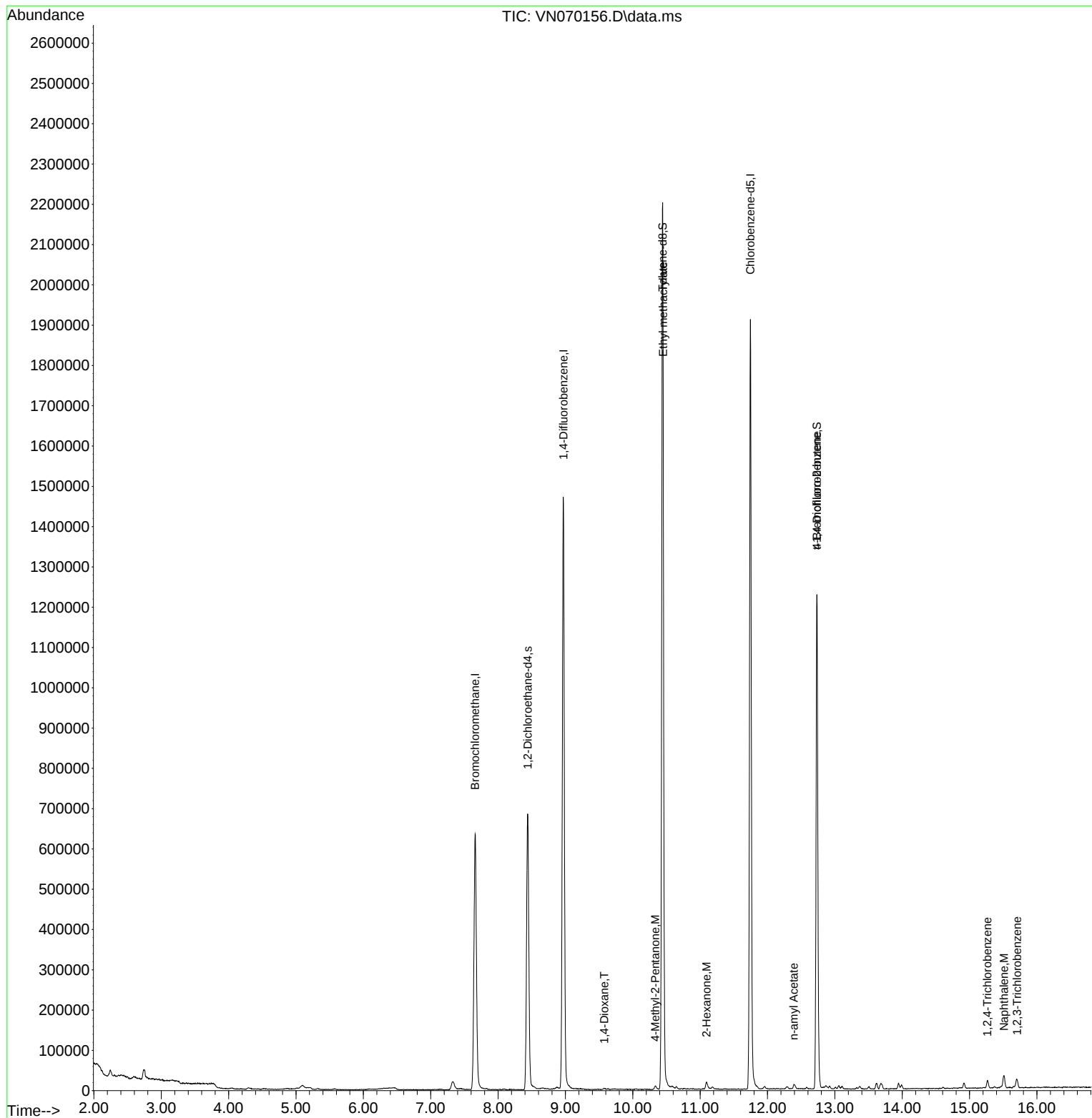
Internal Standards						
1) Bromochloromethane	7.659	128	216539	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	1238840	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	1070319	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	601755	31.358	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.533%
60) 4-Bromofluorobenzene	12.733	95	441955	25.094	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.633%
63) Toluene-d8	10.443	98	1520261	30.736	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.467%
Target Compounds						
					Qvalue	
45) 1,4-Dioxane	9.577	88	201	0.692	ug/l #	58
47) n-amyl Acetate	12.390	43	8939	0.312	ug/l #	84
51) Ethyl methacrylate	10.451	69	5450	0.226	ug/l	66
58) 4-Methyl-2-Pentanone	10.336	43	8362	0.340	ug/l #	62
59) 2-Hexanone	11.095	43	13118	0.722	ug/l	96
77) t-1,4-Dichloro-2-butene	12.733	75	238750	37.481	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.263	180	6824	0.586	ug/l	98
91) Naphthalene	15.509	128	31502	8.756	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.705	180	8453	0.768	ug/l	53

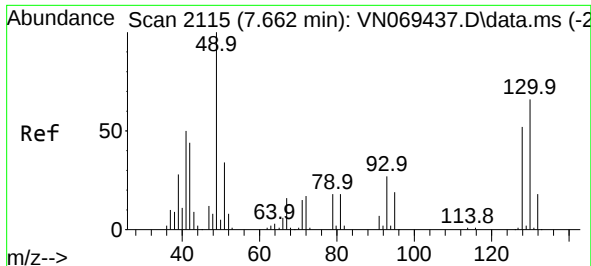
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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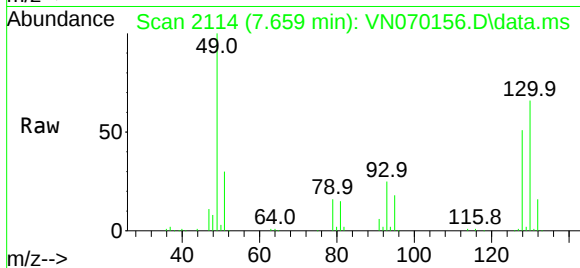
Quant Time: Dec 18 05:29:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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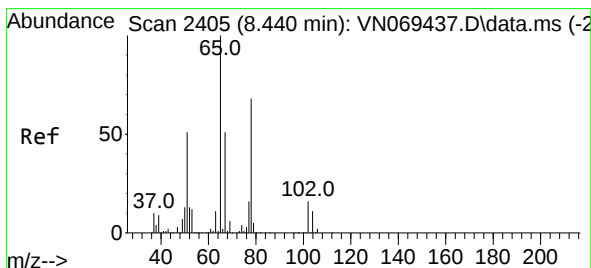
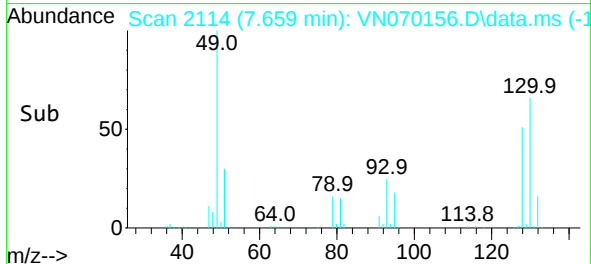
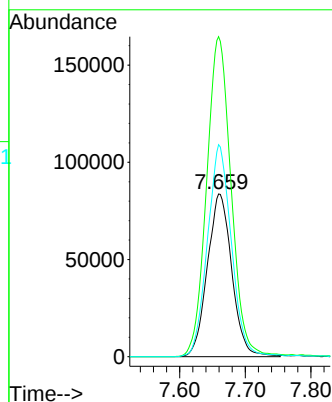


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. 0.002 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

Instrument :
MSVOA_N
ClientSampleId :

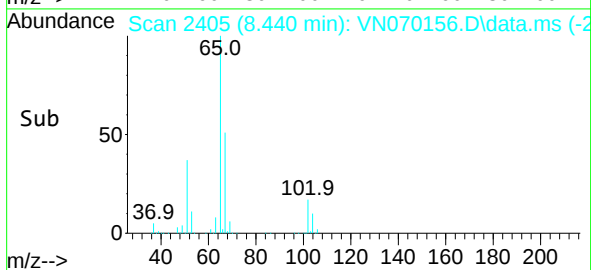
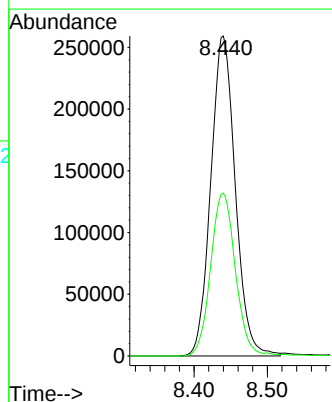
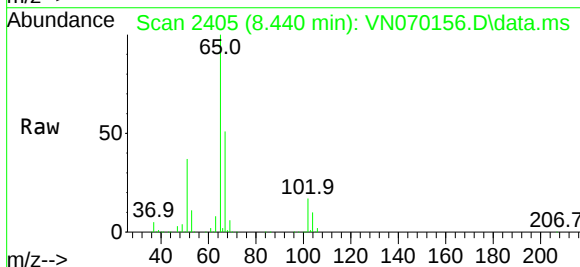


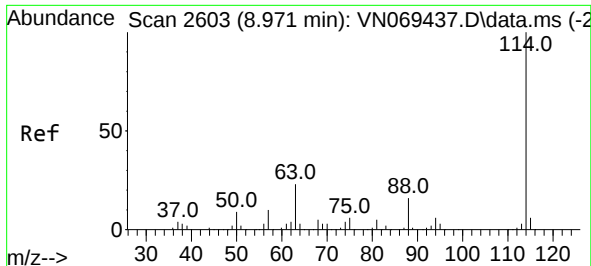
Tgt Ion:128 Resp: 216539
Ion Ratio Lower Upper
128 100
49 196.4 0.0 392.3
130 127.2 0.0 320.2



#27
1,2-Dichloroethane-d4
Concen: 31.358 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

Tgt Ion: 65 Resp: 601755
Ion Ratio Lower Upper
65 100
67 51.1 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070156.D

Acq: 17 Dec 2021 11:32

Instrument :

MSVOA_N

ClientSampleId :

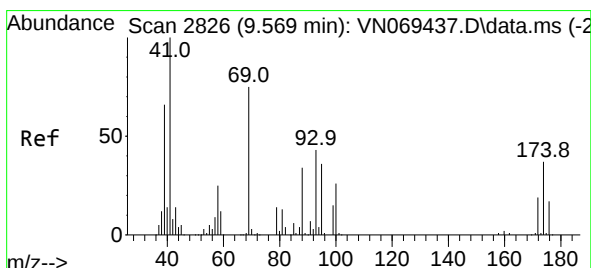
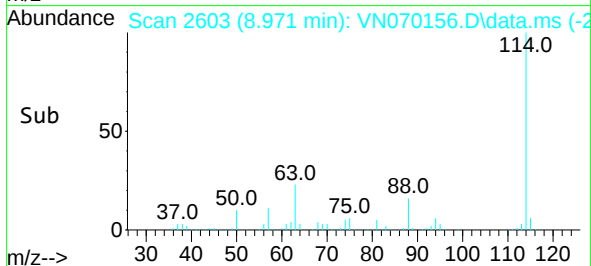
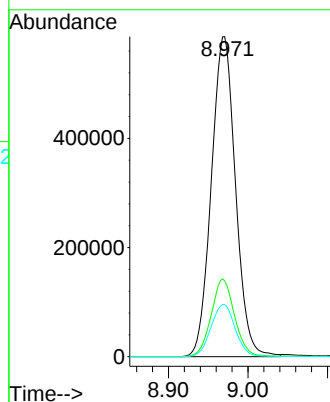
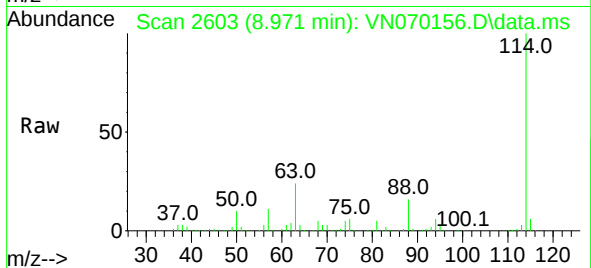
Tgt Ion:114 Resp: 1238840

Ion Ratio Lower Upper

114 100

63 23.5 15.8 23.6

88 16.4 11.6 17.4



#45

1,4-Dioxane

Concen: 0.692 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.008 min

Lab File: VN070156.D

Acq: 17 Dec 2021 11:32

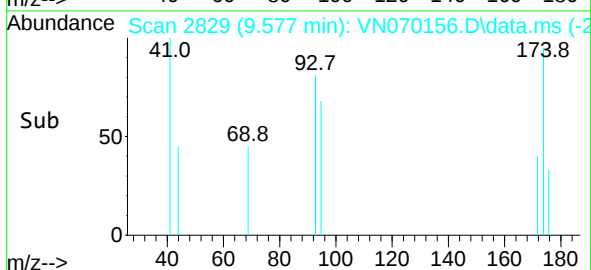
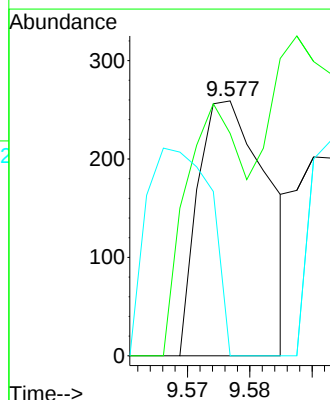
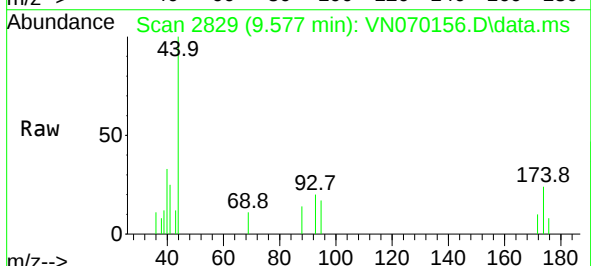
Tgt Ion: 88 Resp: 201

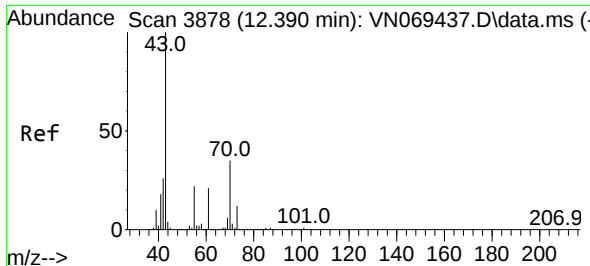
Ion Ratio Lower Upper

88 100

43 82.1 25.0 37.6#

58 75.1 49.4 74.2#

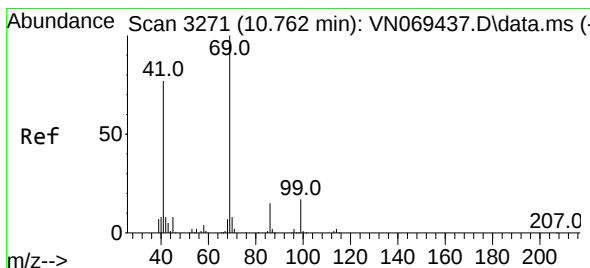
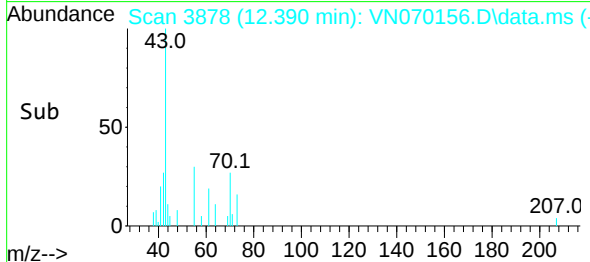
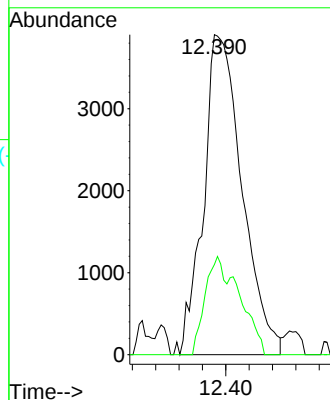
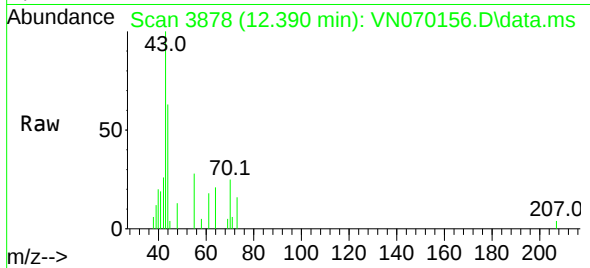




#47
n-amy1 Acetate
Concen: 0.312 ug/l
RT: 12.390 min Scan# 3155
Delta R.T. 0.003 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

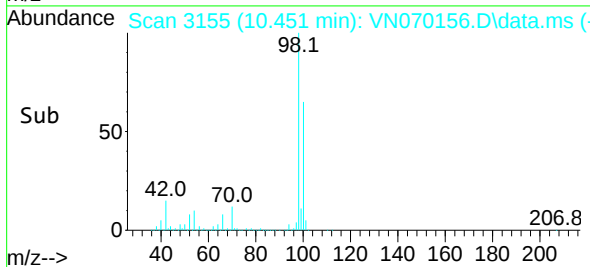
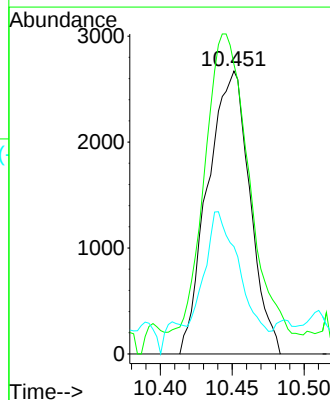
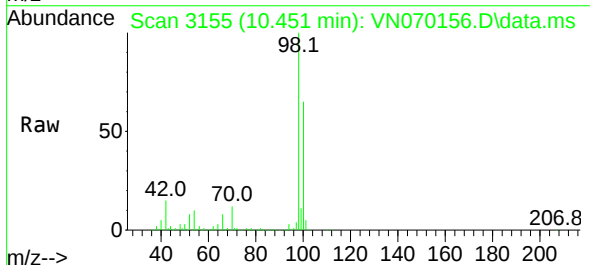
Instrument :
MSVOA_N
ClientSampleId :

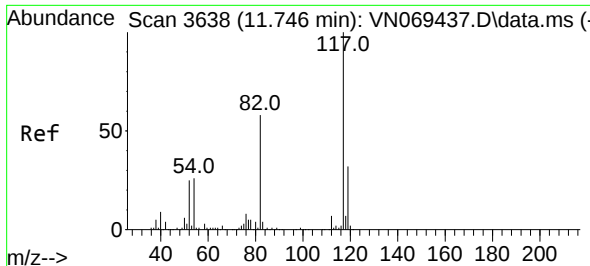
Tgt Ion: 43 Resp: 8939
Ion Ratio Lower Upper
43 100
55 16.1 19.0 28.6#



#51
Ethyl methacrylate
Concen: 0.226 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.308 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

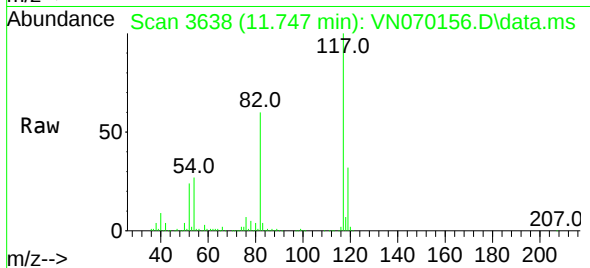
Tgt Ion: 69 Resp: 5450
Ion Ratio Lower Upper
69 100
41 92.9 33.0 98.9
39 27.6 25.4 76.4



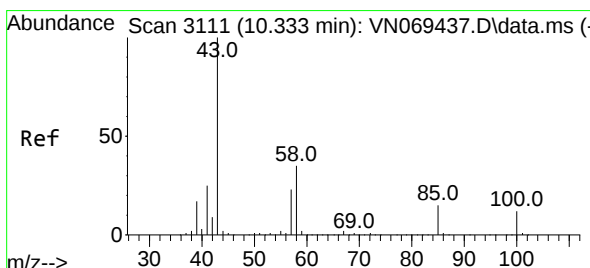
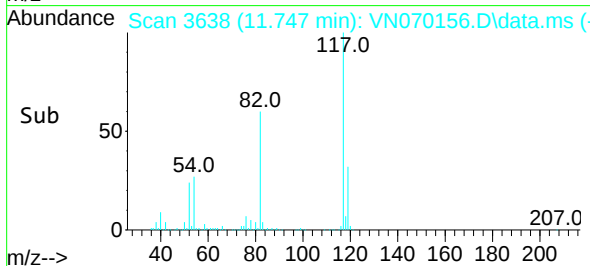
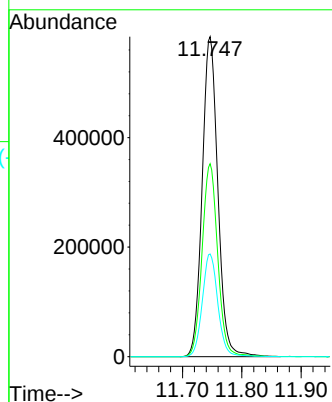


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

Instrument :
MSVOA_N
ClientSampleId :

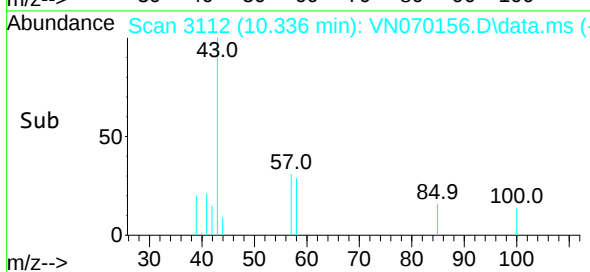
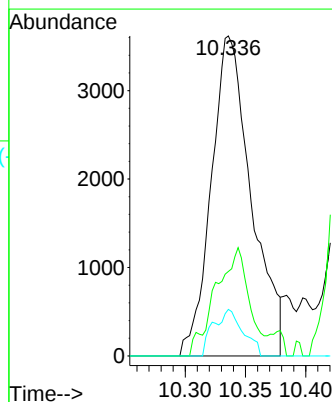
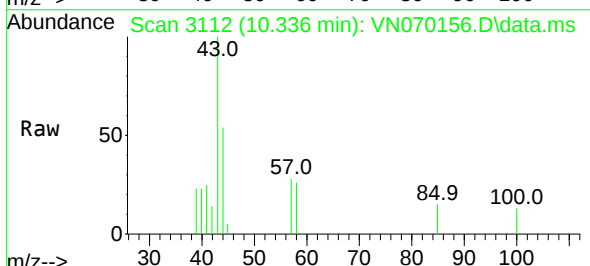


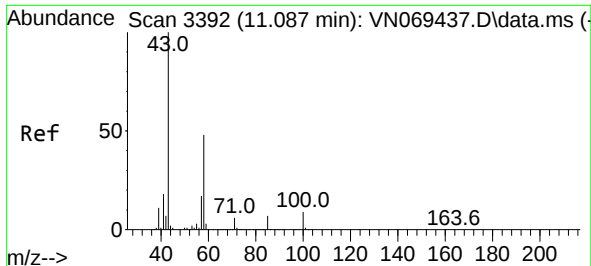
Tgt Ion:117 Resp: 1070319
Ion Ratio Lower Upper
117 100
82 60.2 43.6 65.4
119 31.8 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.340 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

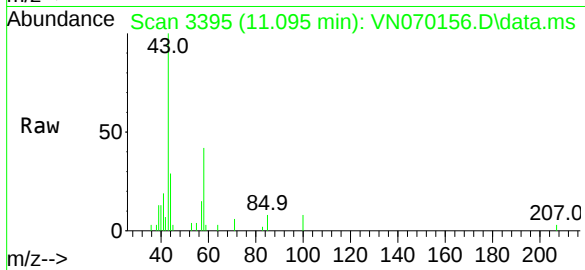
Tgt Ion: 43 Resp: 8362
Ion Ratio Lower Upper
43 100
58 10.7 30.0 45.0#
85 7.5 15.0 22.6#



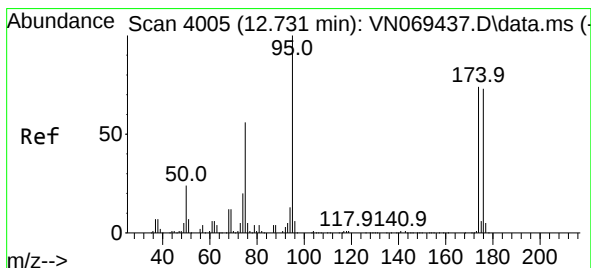
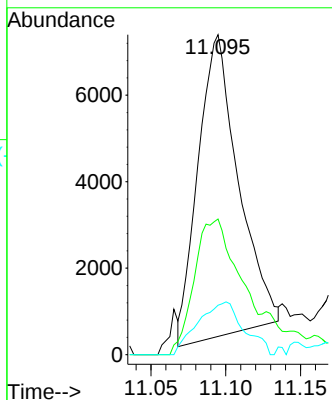
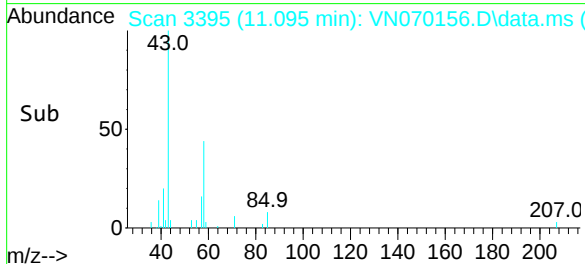


#59
2-Hexanone
Concen: 0.722 ug/l
RT: 11.095 min Scan# 3118
Delta R.T. 0.011 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

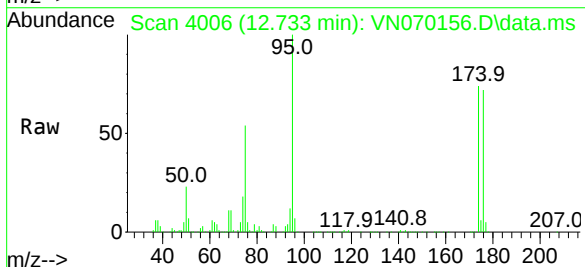
Instrument :
MSVOA_N
ClientSampleId :



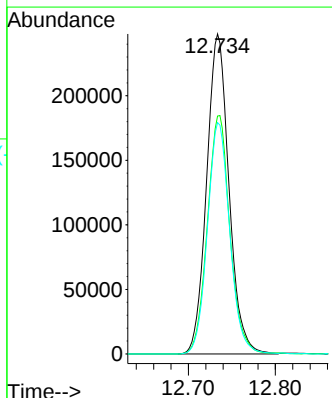
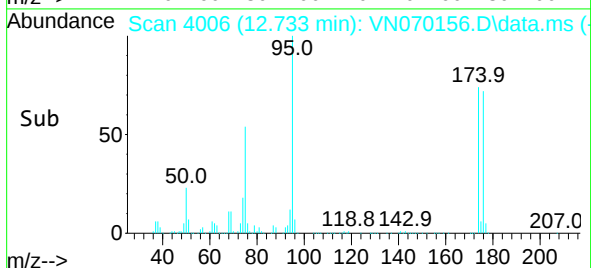
Tgt Ion: 43	Resp: 13118
Ion Ratio	Lower Upper
43 100	
58 49.6	42.2 63.2
57 19.8	15.0 22.4

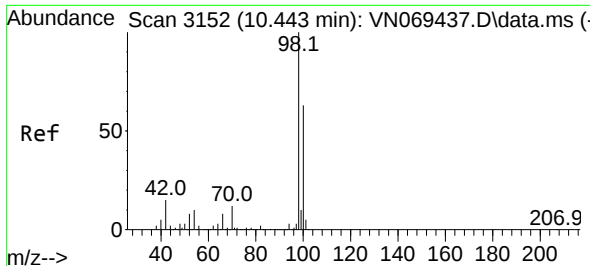


#60
4-Bromofluorobenzene
Concen: 25.094 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32



Tgt Ion: 95	Resp: 441955
Ion Ratio	Lower Upper
95 100	
174 75.2	62.9 94.3
176 72.1	61.0 91.4

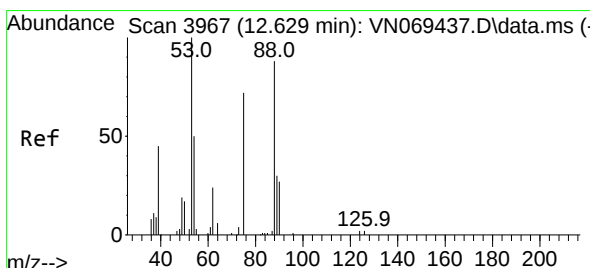
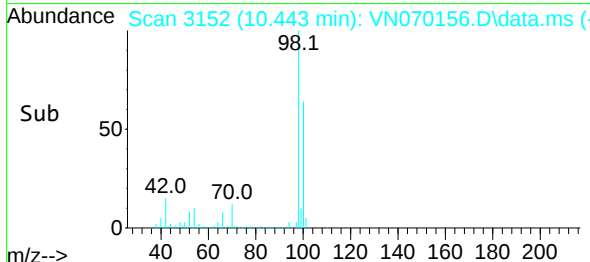
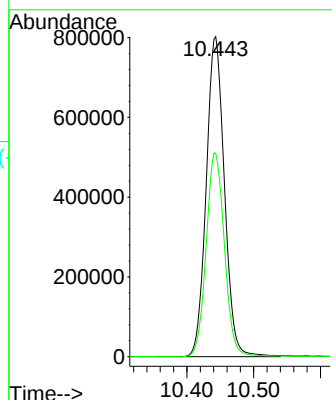
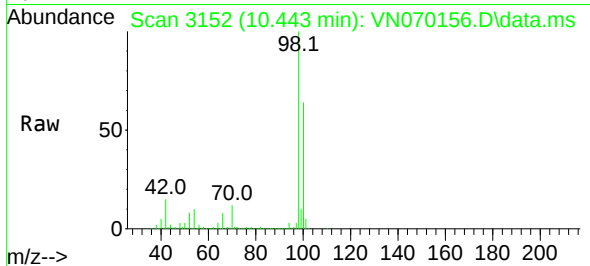




#63
Toluene-d8
Concen: 30.736 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

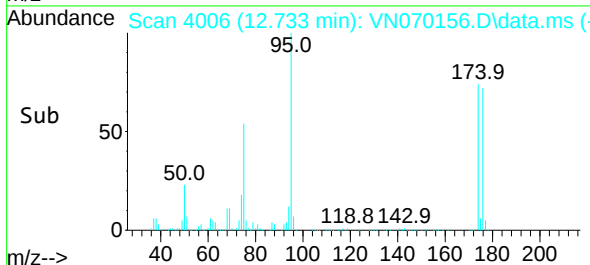
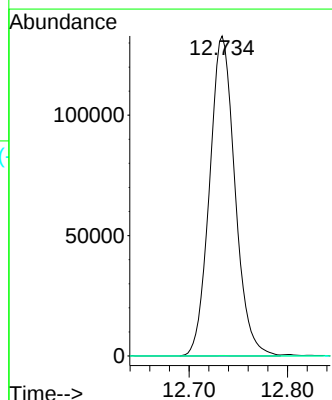
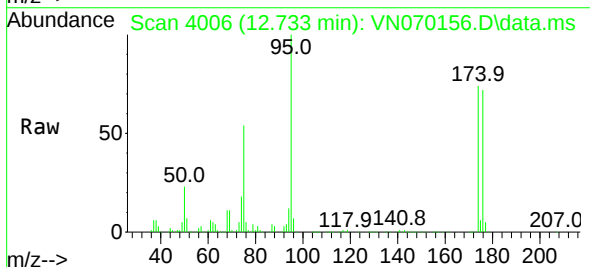
Instrument :
MSVOA_N
ClientSampleId :

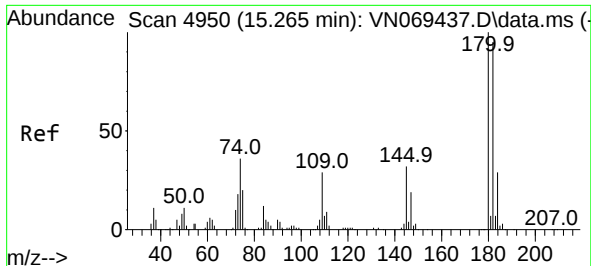
Tgt Ion: 98 Resp: 1520261
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 37.481 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070156.D
Acq: 17 Dec 2021 11:32

Tgt Ion: 75 Resp: 238750
Ion Ratio Lower Upper
75 100
53 0.2 51.8 155.5#
89 0.0 22.9 68.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.586 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. 0.000 min

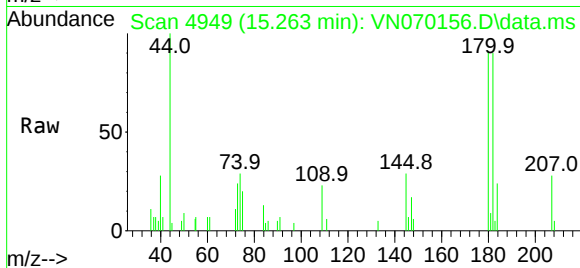
Lab File: VN070156.D

Acq: 17 Dec 2021 11:32

Instrument :

MSVOA_N

ClientSampleId :



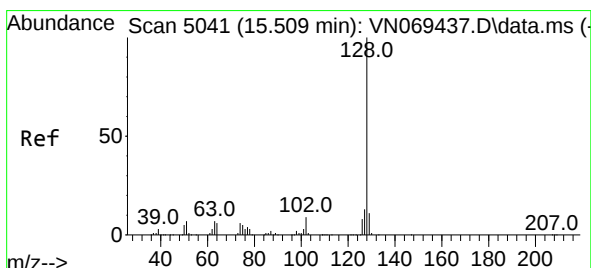
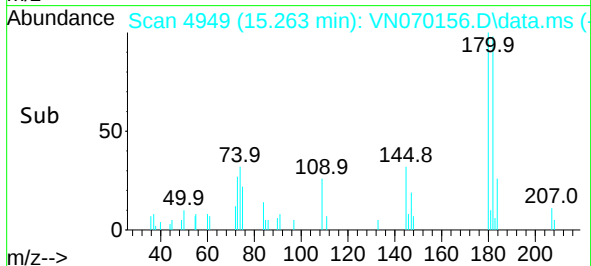
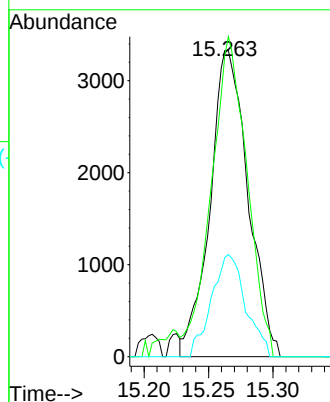
Tgt Ion:180 Resp: 6824

Ion Ratio Lower Upper

180 100

182 98.2 77.7 116.5

145 30.0 26.6 39.8



#91

Naphthalene

Concen: 8.756 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.005 min

Lab File: VN070156.D

Acq: 17 Dec 2021 11:32

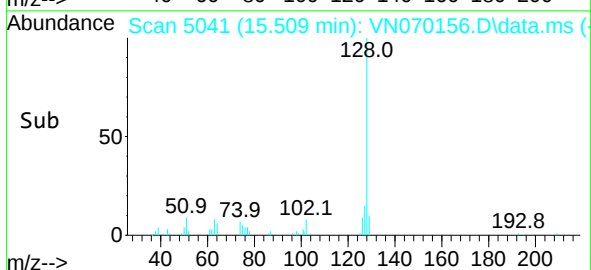
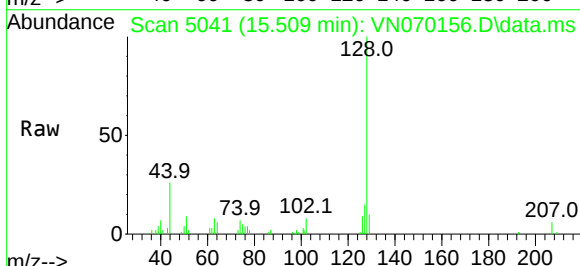
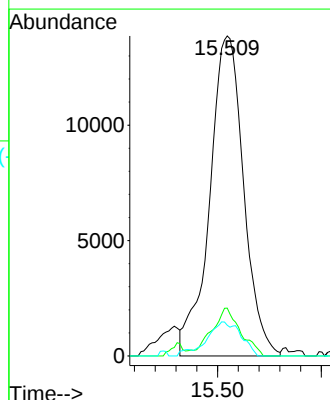
Tgt Ion:128 Resp: 31502

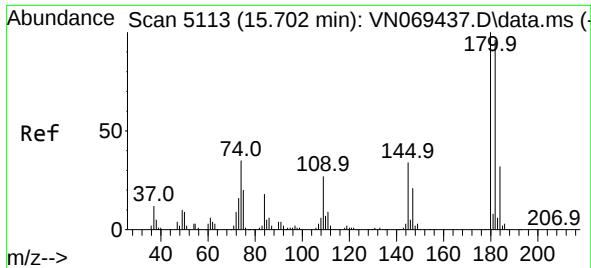
Ion Ratio Lower Upper

128 100

127 9.1 10.7 16.1#

129 4.9 9.0 13.6#





#92

1,2,3-Trichlorobenzene

Concen: 0.768 ug/l

RT: 15.705 min Scan# 51

Delta R.T. 0.005 min

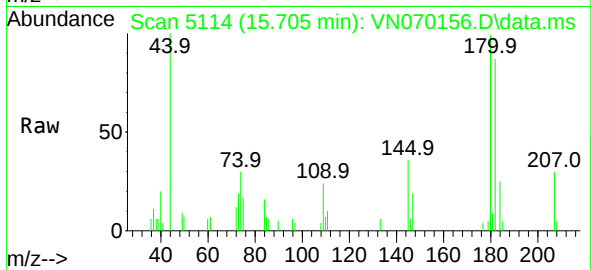
Lab File: VN070156.D

Acq: 17 Dec 2021 11:32

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 8453

Ion Ratio Lower Upper

180 100

182 34.4 0.0 190.0

145 36.9 0.0 67.8

