

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112621\
 Data File : VN069655.D
 Acq On : 26 Nov 2021 13:36
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 00:17:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

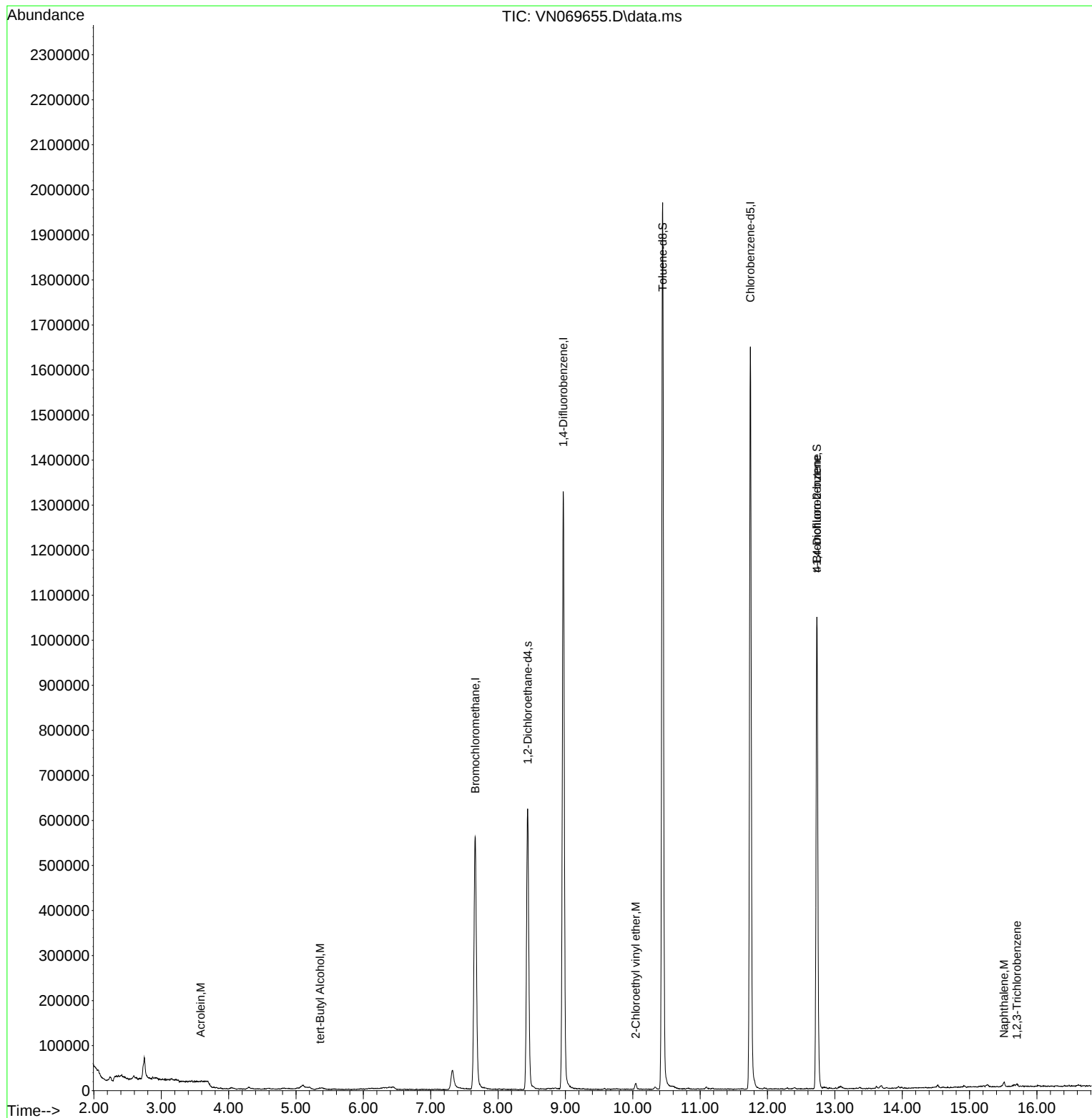
Internal Standards						
1) Bromochloromethane	7.662	128	196526	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1118997	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	934741	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	539271	31.639	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.467%	
60) 4-Bromofluorobenzene	12.733	95	375090	25.075	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.600%	
63) Toluene-d8	10.443	98	1342934	31.115	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.733%	
Target Compounds						
					Qvalue	
13) Acrolein	3.585	56	440	0.566	ug/l	95
23) tert-Butyl Alcohol	5.358	59	1356	0.505	ug/l #	100
55) 2-Chloroethyl vinyl ether	10.043	63	5647	1.132	ug/l #	74
77) t-1,4-Dichloro-2-butene	12.733	75	210030	43.773	ug/l #	8
91) Naphthalene	15.509	128	8513	0.293	ug/l #	90
92) 1,2,3-Trichlorobenzene	15.702	180	2022	0.204	ug/l	86

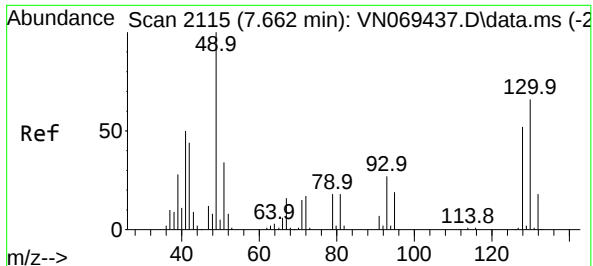
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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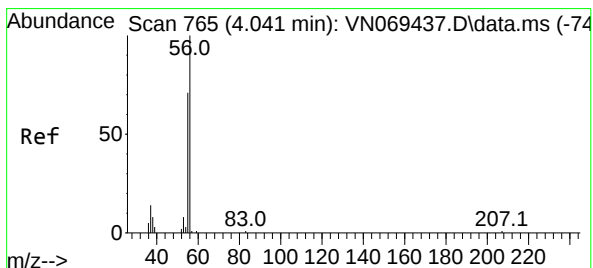
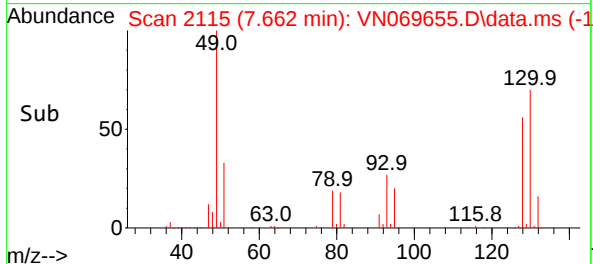
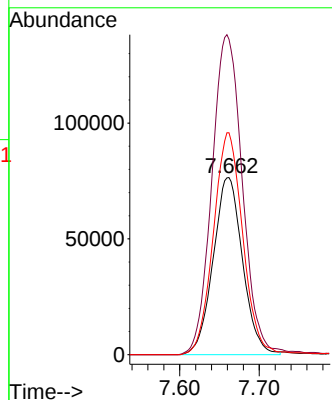
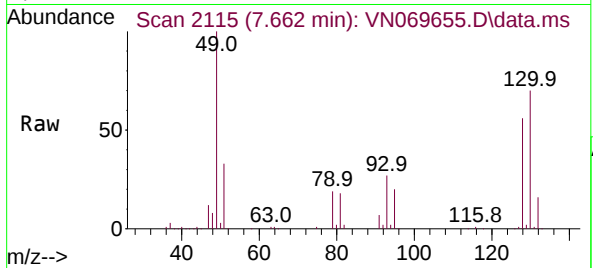




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

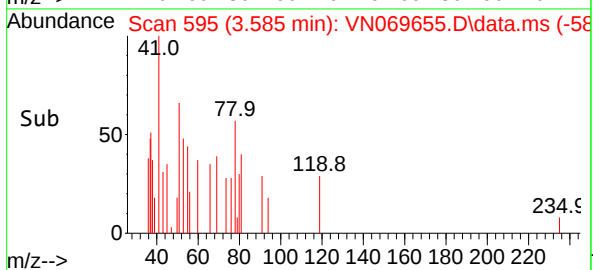
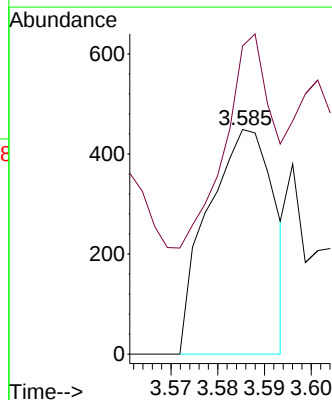
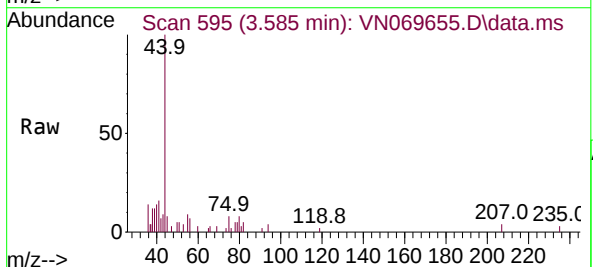
Instrument :
MSVOA_N
ClientSampleId :

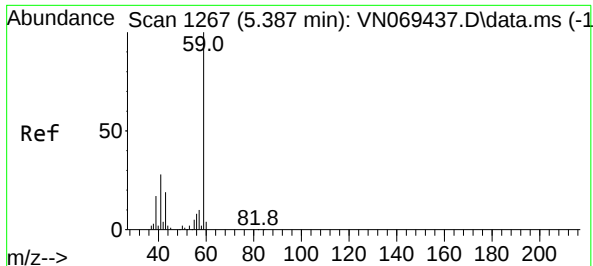
Tgt Ion:128 Resp: 196526
Ion Ratio Lower Upper
128 100
49 187.0 0.0 392.3
130 124.7 0.0 320.2



#13
Acrolein
Concen: 0.566 ug/l
RT: 3.585 min Scan# 595
Delta R.T. -0.461 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 67.5 57.6 86.4





#23

tert-Butyl Alcohol

Concen: 0.505 ug/l

RT: 5.358 min Scan# 1

Delta R.T. -0.008 min

Lab File: VN069655.D

Acq: 26 Nov 2021 13:36

Instrument :

MSVOA_N

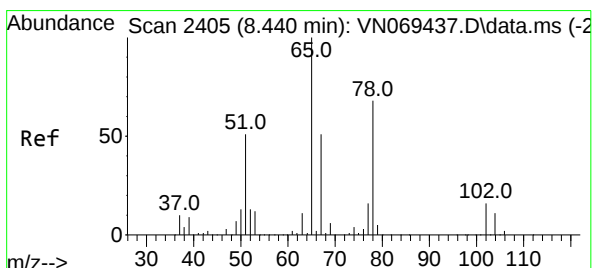
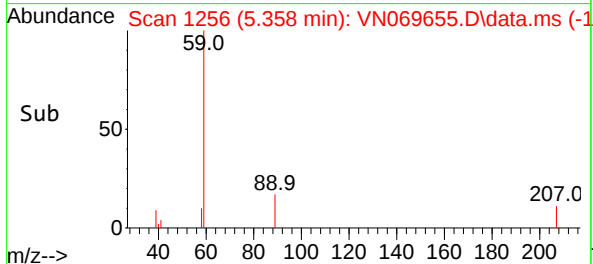
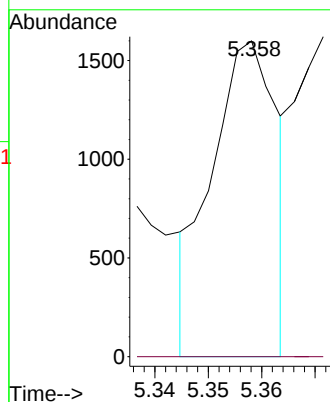
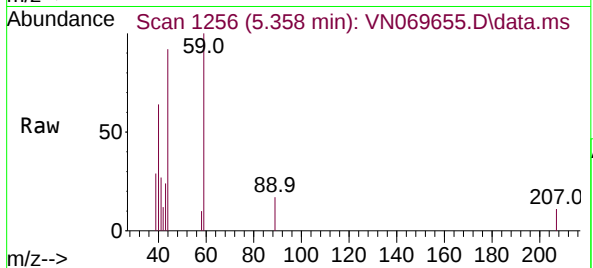
ClientSampleId :

Tgt Ion: 59 Resp: 1356

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 31.639 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069655.D

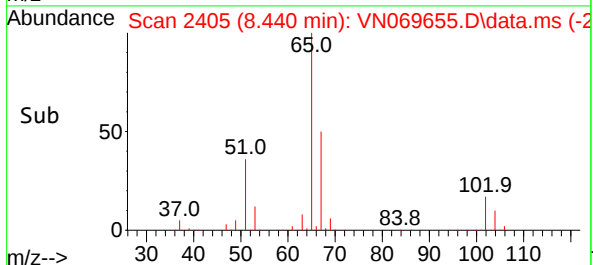
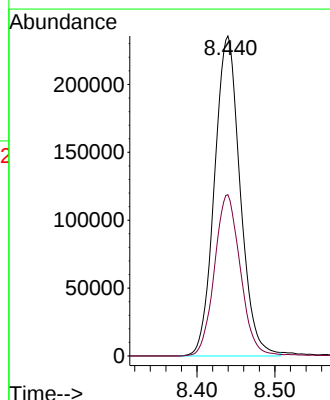
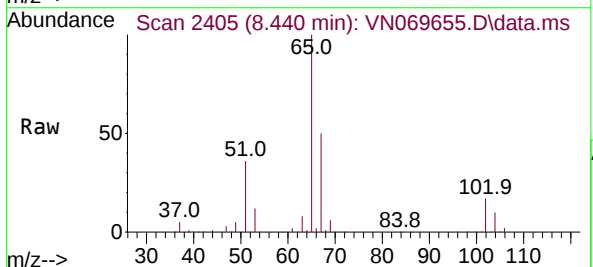
Acq: 26 Nov 2021 13:36

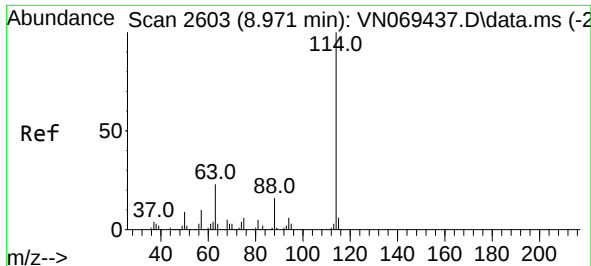
Tgt Ion: 65 Resp: 539271

Ion Ratio Lower Upper

65 100

67 50.7 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN069655.D

Acq: 26 Nov 2021 13:36

Instrument :

MSVOA_N

ClientSampleId :

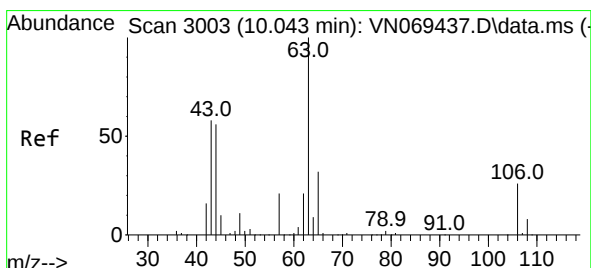
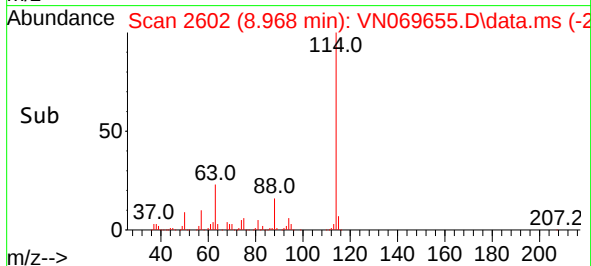
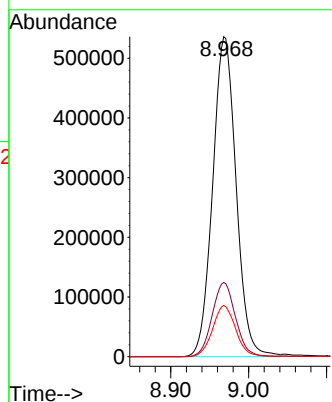
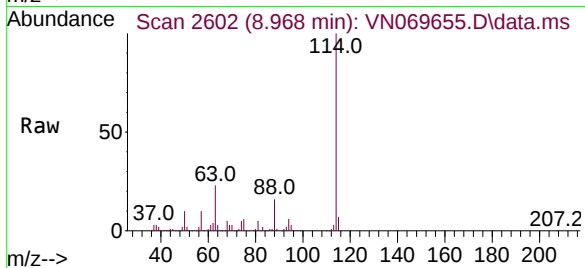
Tgt Ion:114 Resp: 1118997

Ion Ratio Lower Upper

114 100

63 23.1 15.8 23.6

88 15.7 11.6 17.4



#55

2-Chloroethyl vinyl ether

Concen: 1.132 ug/l

RT: 10.043 min Scan# 3003

Delta R.T. 0.000 min

Lab File: VN069655.D

Acq: 26 Nov 2021 13:36

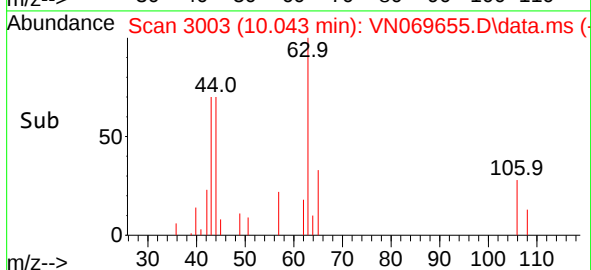
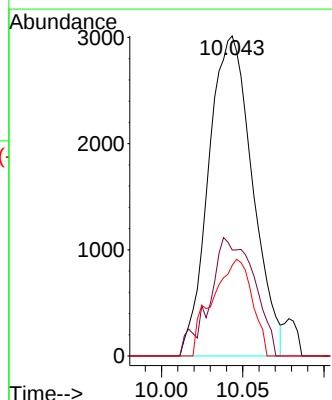
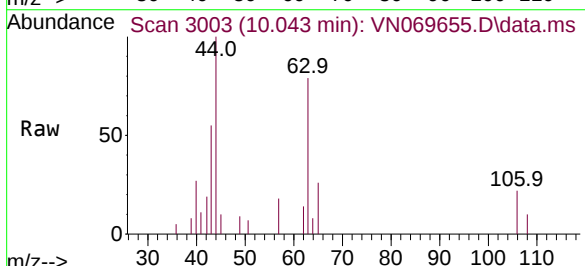
Tgt Ion: 63 Resp: 5647

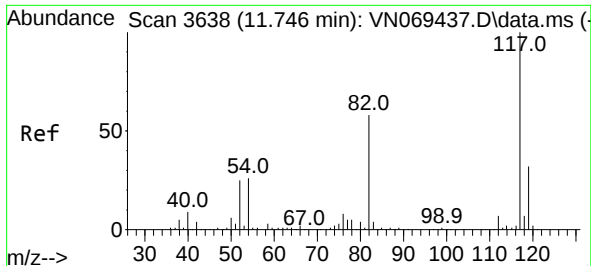
Ion Ratio Lower Upper

63 100

65 9.1 25.4 38.0#

106 23.8 23.2 34.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069655.D

Acq: 26 Nov 2021 13:36

Instrument :

MSVOA_N

ClientSampleId :

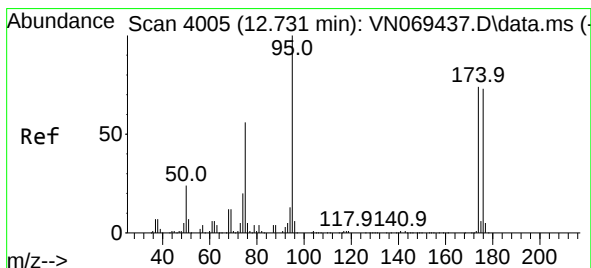
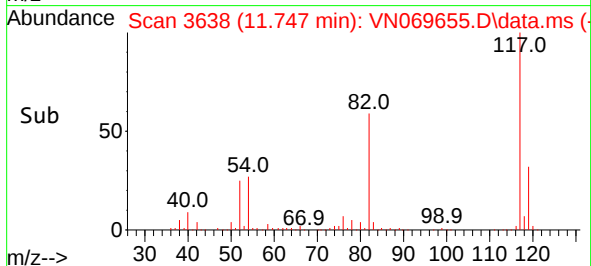
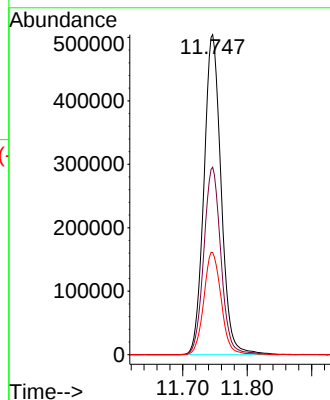
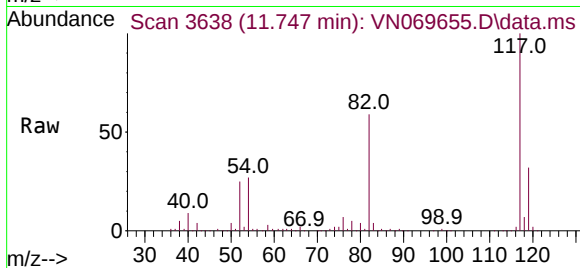
Tgt Ion:117 Resp: 934741

Ion Ratio Lower Upper

117 100

82 58.7 43.6 65.4

119 32.1 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 25.075 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.000 min

Lab File: VN069655.D

Acq: 26 Nov 2021 13:36

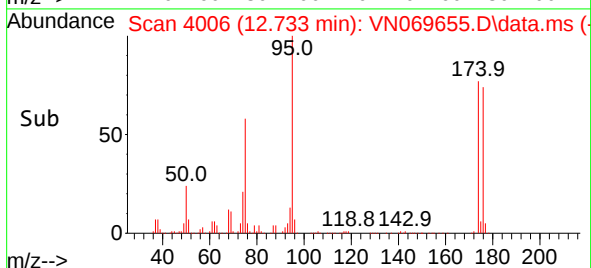
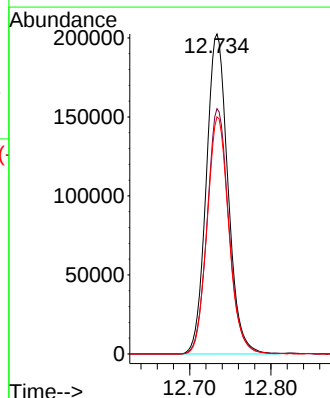
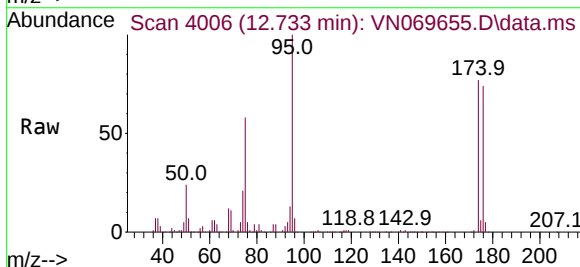
Tgt Ion: 95 Resp: 375090

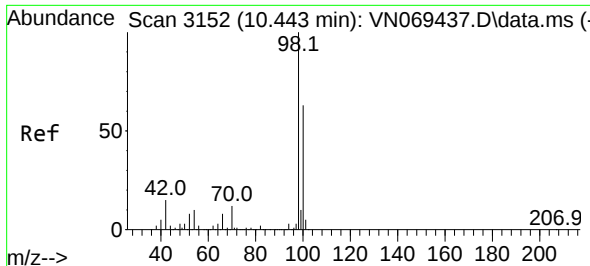
Ion Ratio Lower Upper

95 100

174 76.5 62.9 94.3

176 74.2 61.0 91.4

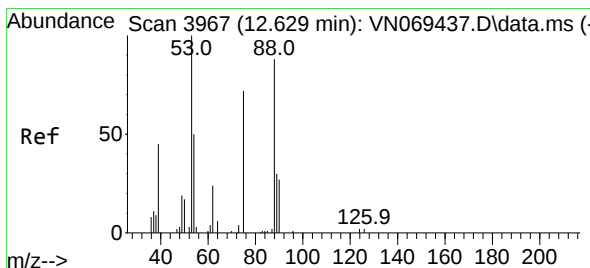
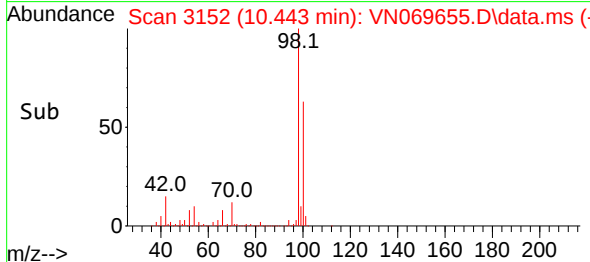
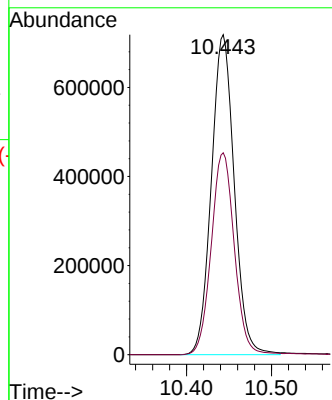
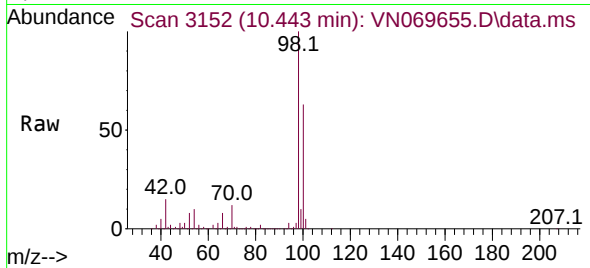




#63
Toluene-d8
Concen: 31.115 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

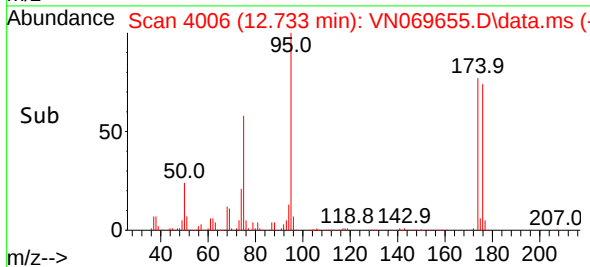
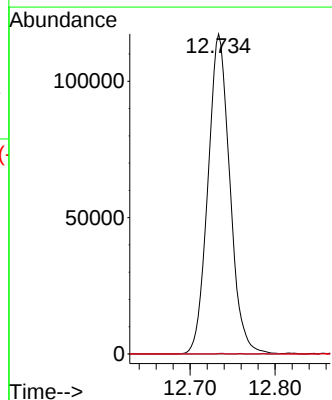
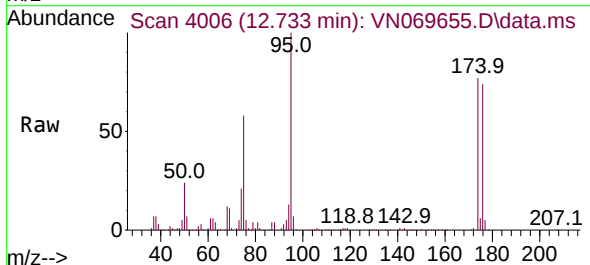
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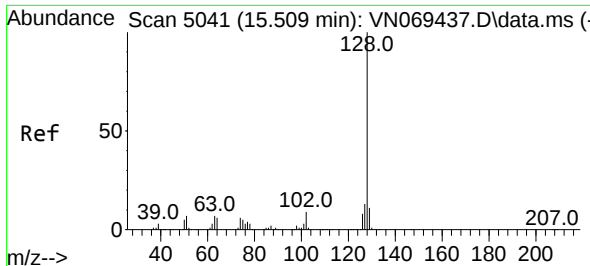
Tgt Ion: 98 Resp: 1342934
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 43.773 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

Tgt Ion: 75 Resp: 210030
Ion Ratio Lower Upper
75 100
53 0.2 51.8 155.5#
89 0.0 22.9 68.7#

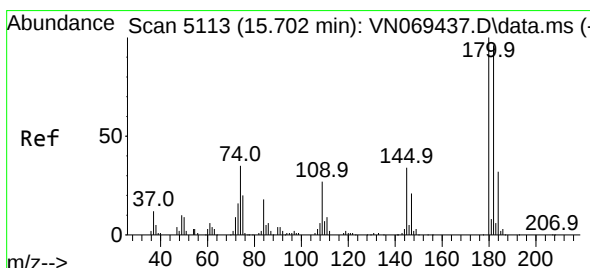
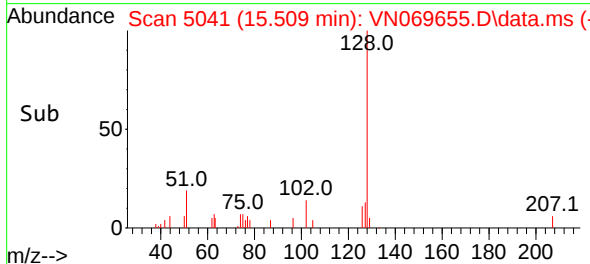
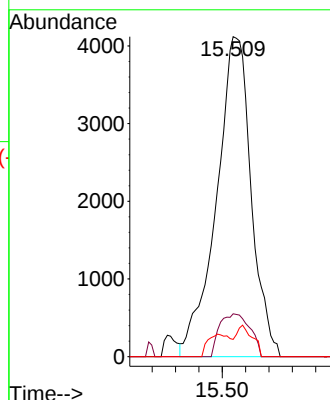
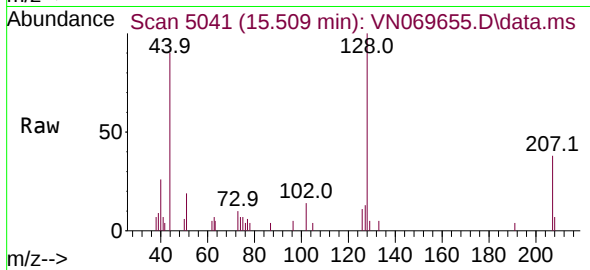




#91
Naphthalene
Concen: 0.293 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8513
Ion Ratio Lower Upper
128 100
127 11.7 10.7 16.1
129 4.5 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.204 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069655.D
Acq: 26 Nov 2021 13:36

Tgt Ion:180 Resp: 2022
Ion Ratio Lower Upper
180 100
182 103.5 0.0 190.0
145 17.9 0.0 67.8

