

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069613.D
 Acq On : 22 Nov 2021 16:37
 Operator : JC/MD
 Sample : M4703-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:53:02 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)

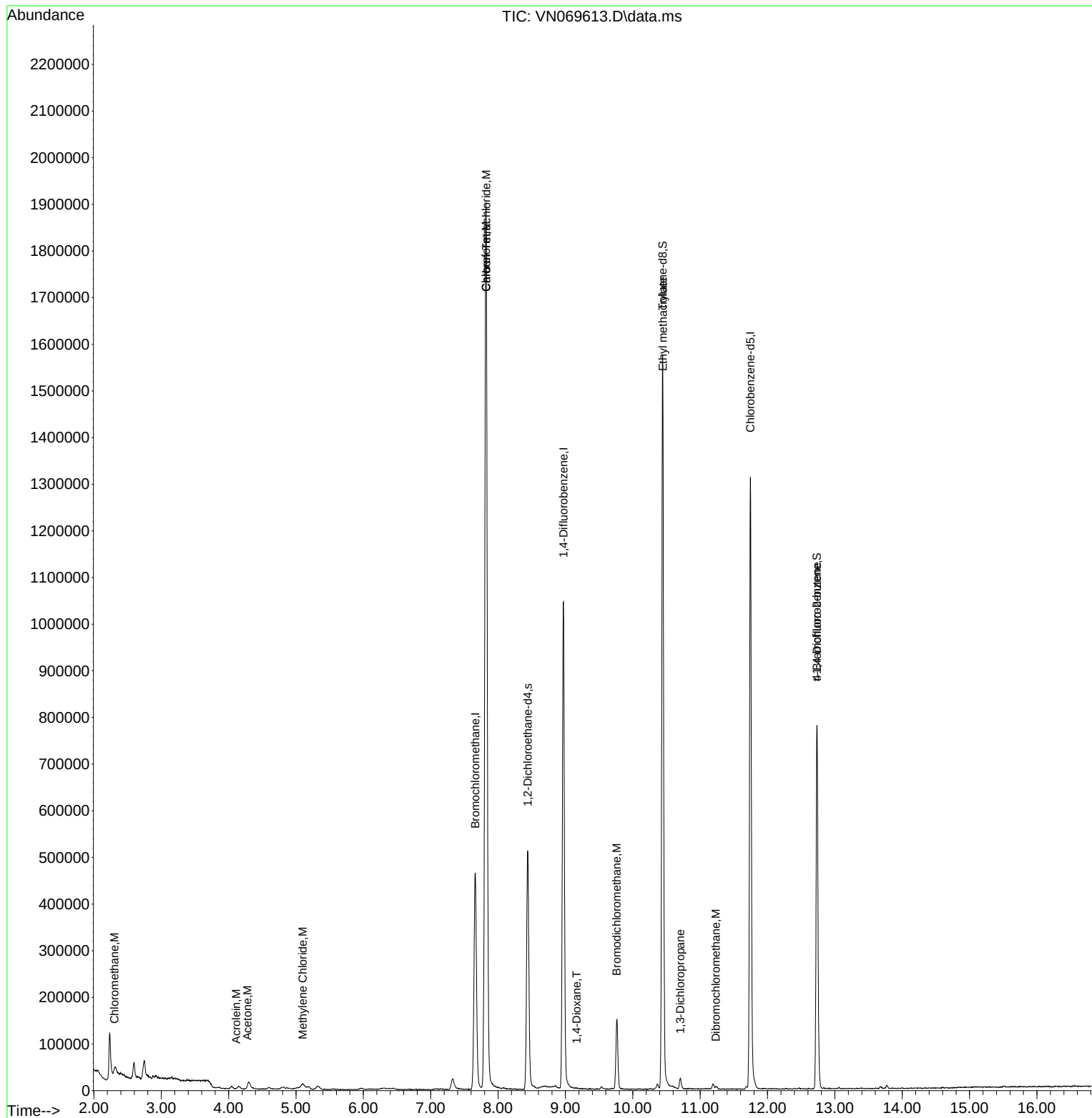
Internal Standards						
1) Bromochloromethane	7.662	128	160698	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	879039	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	754183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	448030	32.147	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.167%	
60) 4-Bromofluorobenzene	12.733	95	286945	23.775	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 79.267%	
63) Toluene-d8	10.443	98	1079804	31.009	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.367%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	4615	0.373	ug/l	91
13) Acrolein	4.114	56	166	0.261	ug/l	91
15) Acetone	4.280	58	1275	0.606	ug/l	81
18) Methylene Chloride	5.098	84	4152	0.406	ug/l #	87
25) Chloroform	7.820	83	1850060	96.435	ug/l	99
33) Carbon Tetrachloride	7.823	117	20141	1.557	ug/l	93
41) Bromodichloromethane	9.762	83	101197	7.449	ug/l	96
45) 1,4-Dioxane	9.166	88	89	0.391	ug/l #	1
51) Ethyl methacrylate	10.448	69	3992	0.232	ug/l	68
52) 1,3-Dichloropropane	10.706	76	4098	0.231	ug/l	45
53) Dibromochloromethane	11.234	129	2857	0.291	ug/l	65
77) t-1,4-Dichloro-2-butene	12.733	75	162113	41.876	ug/l #	8

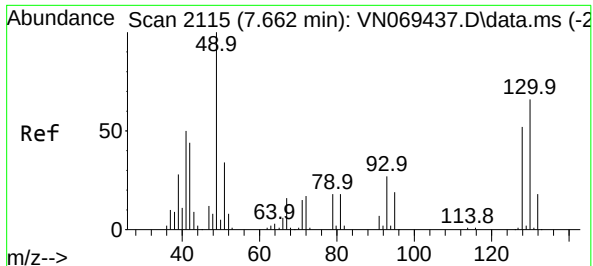
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
Data File : VN069613.D
Acq On : 22 Nov 2021 16:37
Operator : JC/MD
Sample : M4703-02 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 23 03:53:02 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

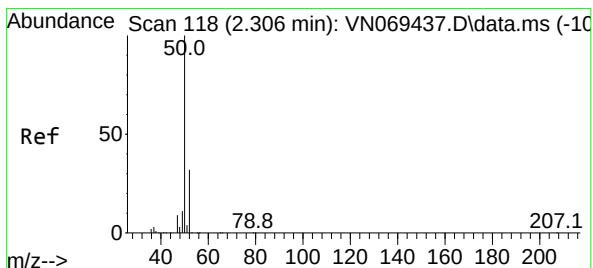
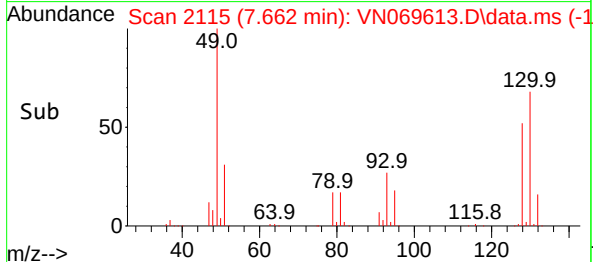
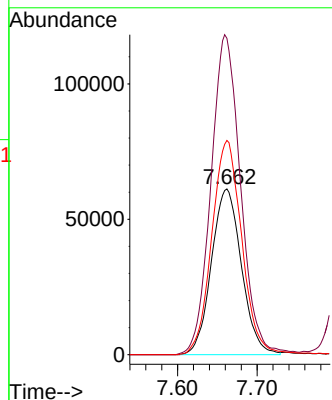
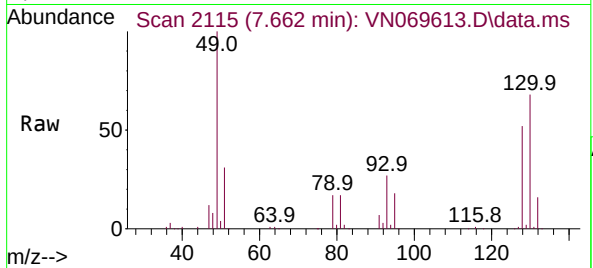




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

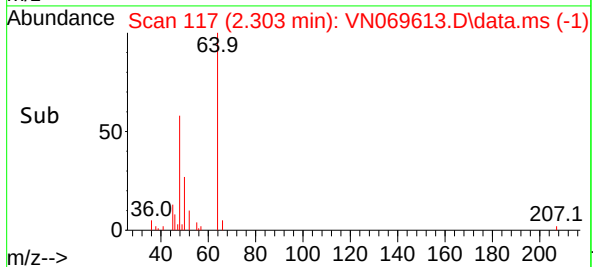
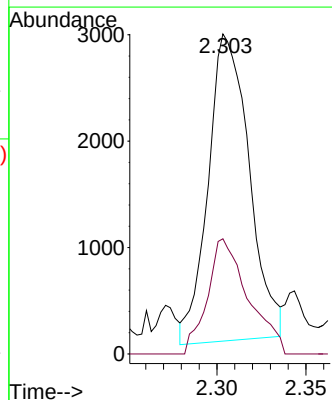
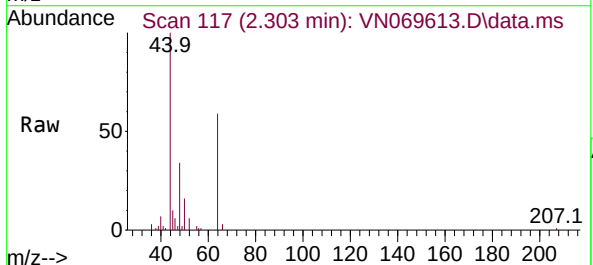
Instrument :
MSVOA_N
ClientSampleId :

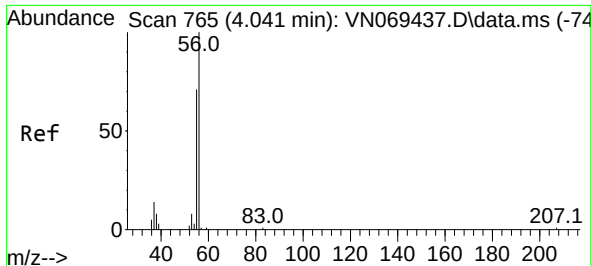
Tgt Ion:128 Resp: 160698
Ion Ratio Lower Upper
128 100
49 189.9 0.0 392.3
130 129.3 0.0 320.2



#3
Chloromethane
Concen: 0.373 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 50 Resp: 4615
Ion Ratio Lower Upper
50 100
52 39.9 27.8 41.6

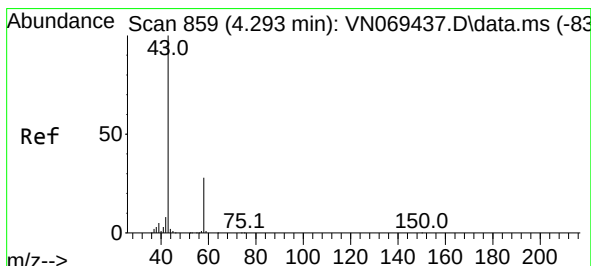
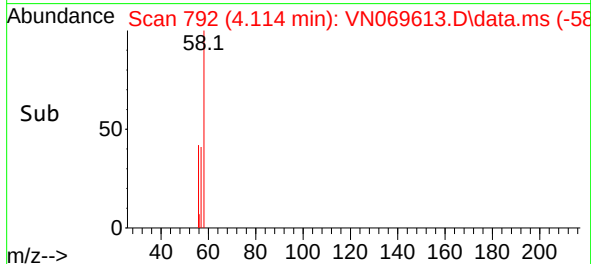
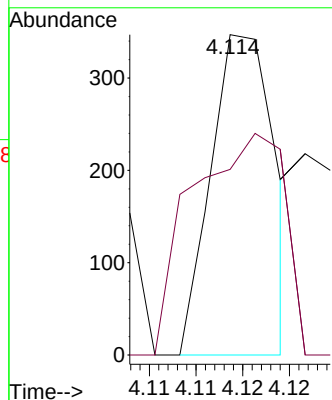
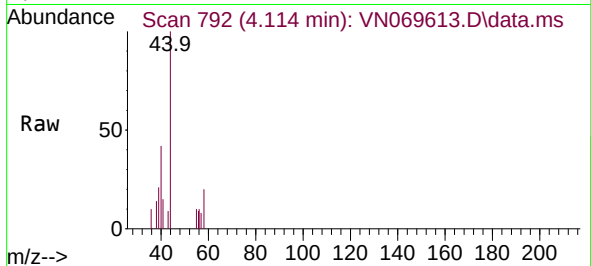




#13
Acrolein
Concen: 0.261 ug/l
RT: 4.114 min Scan# 792
Delta R.T. 0.067 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

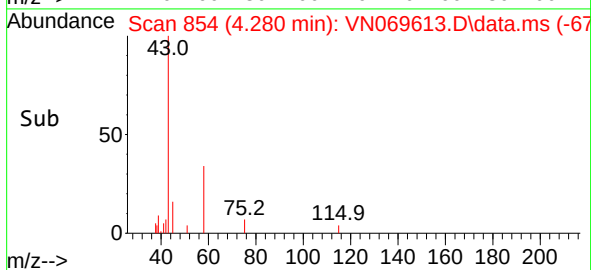
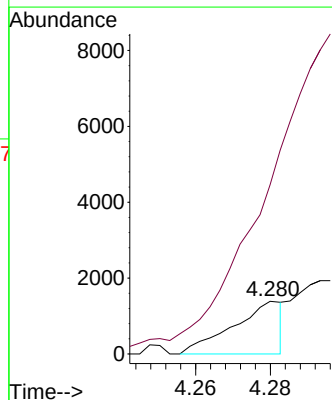
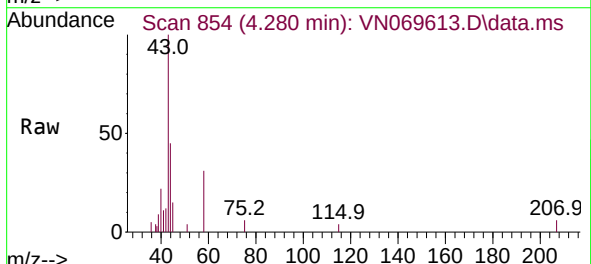
Instrument :
MSVOA_N
ClientSampleId :

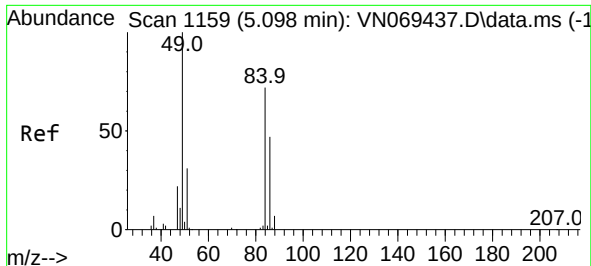
Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 64.5 57.6 86.4



#15
Acetone
Concen: 0.606 ug/l
RT: 4.280 min Scan# 854
Delta R.T. -0.008 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

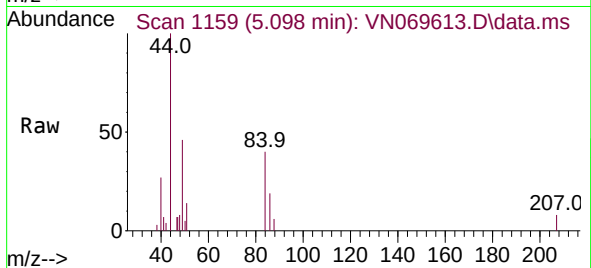
Tgt Ion: 58 Resp: 1275
Ion Ratio Lower Upper
58 100
43 282.7 256.6 384.8



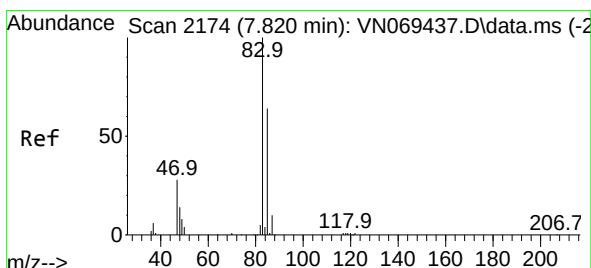
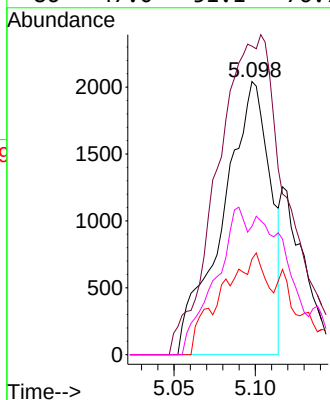
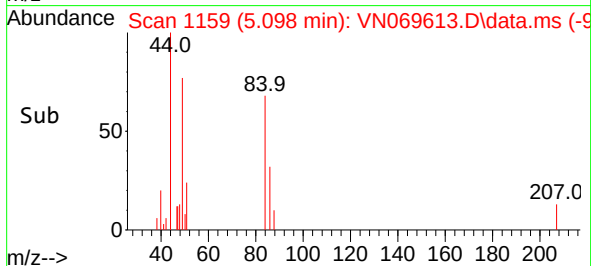


#18
Methylene Chloride
Concen: 0.406 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Instrument :
MSVOA_N
ClientSampleId :

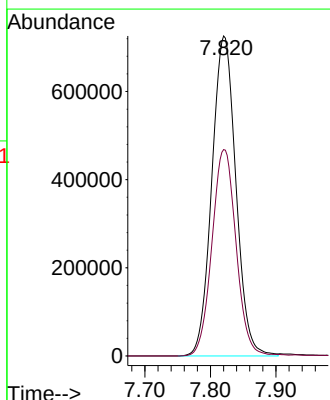
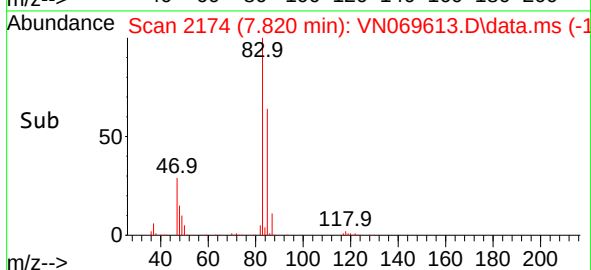
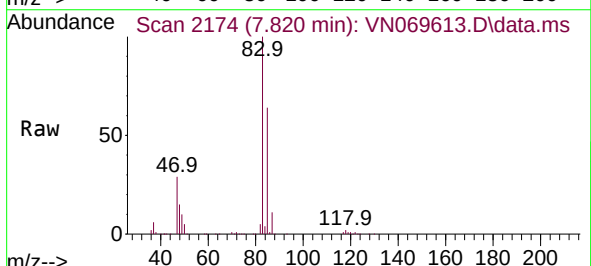


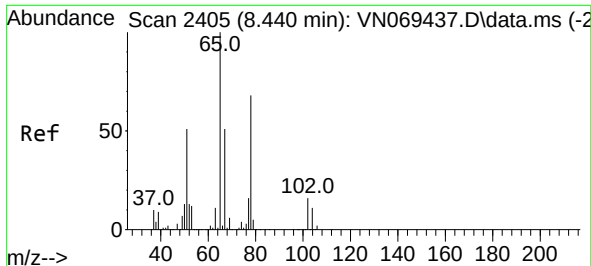
Tgt Ion: 84 Resp: 4152
Ion Ratio Lower Upper
84 100
49 102.7 91.4 137.0
51 35.0 29.4 44.0
86 47.0 51.1 76.7#



#25
Chloroform
Concen: 96.435 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 83 Resp: 1850060
Ion Ratio Lower Upper
83 100
85 64.5 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 32.147 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

Instrument :

MSVOA_N

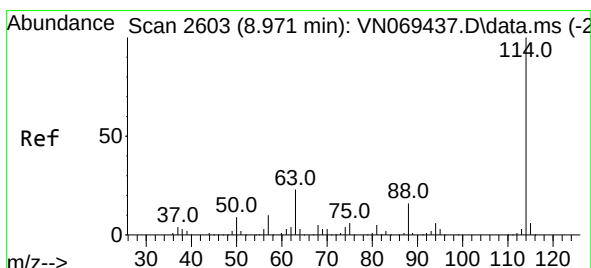
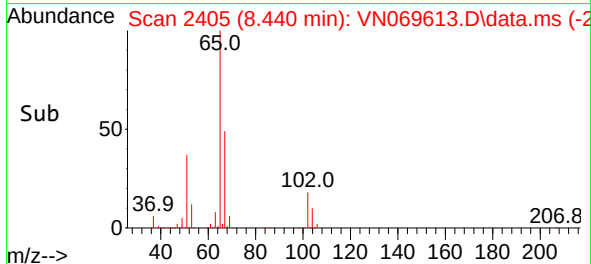
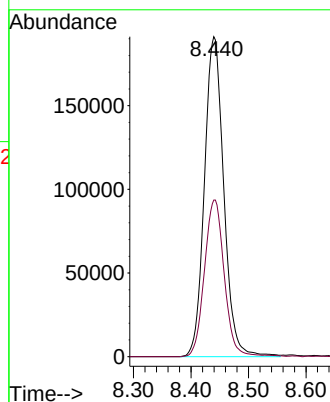
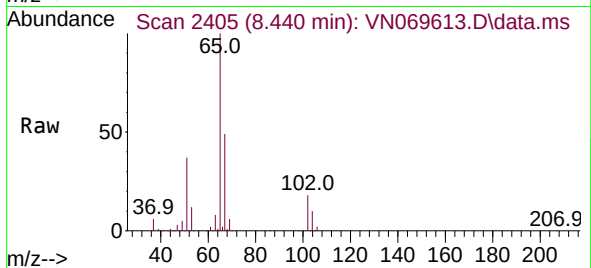
ClientSampleId :

Tgt Ion: 65 Resp: 448030

Ion Ratio Lower Upper

65 100

67 49.8 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

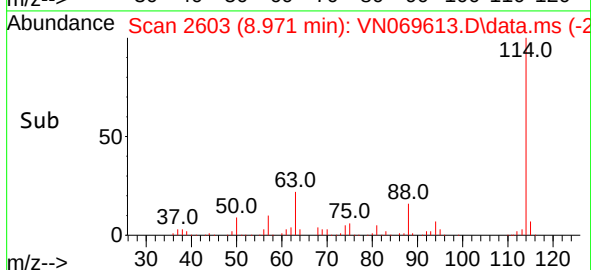
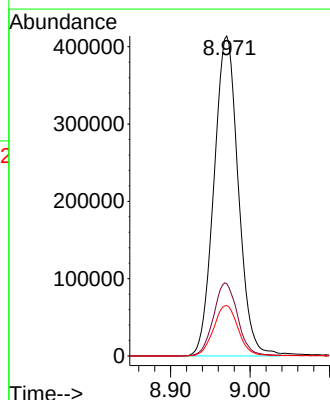
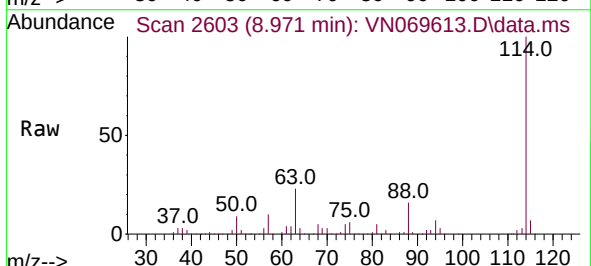
Tgt Ion: 114 Resp: 879039

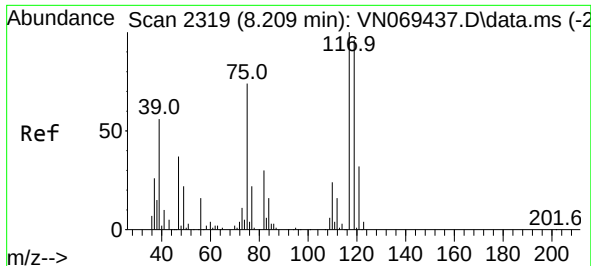
Ion Ratio Lower Upper

114 100

63 22.8 15.8 23.6

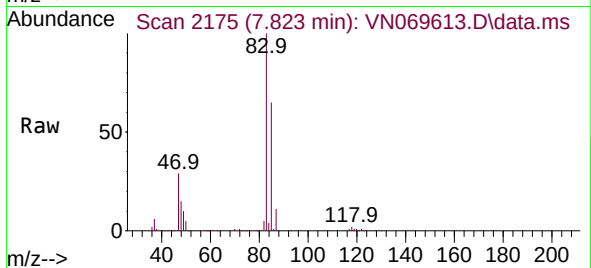
88 15.9 11.6 17.4



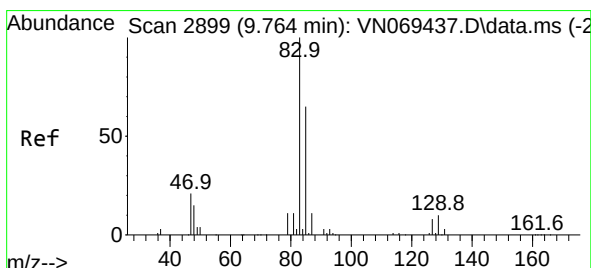
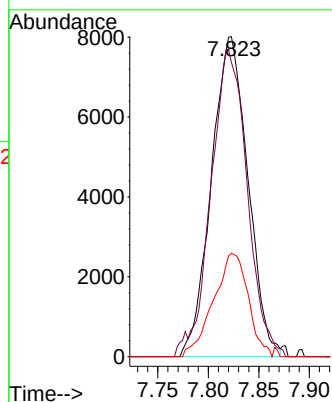
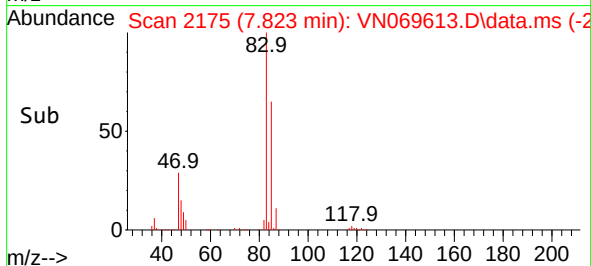


#33
Carbon Tetrachloride
Concen: 1.557 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. -0.386 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Instrument :
MSVOA_N
ClientSampleId :

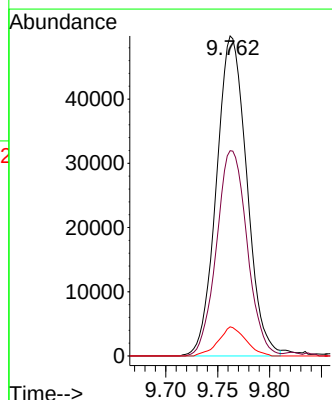
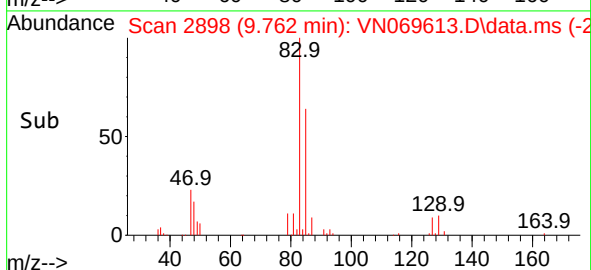
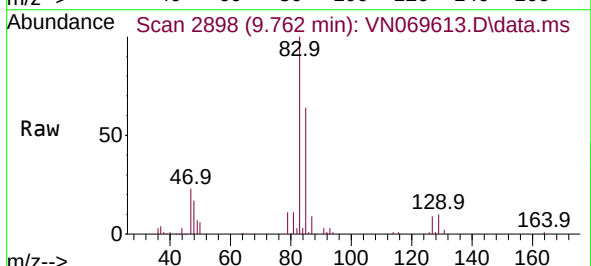


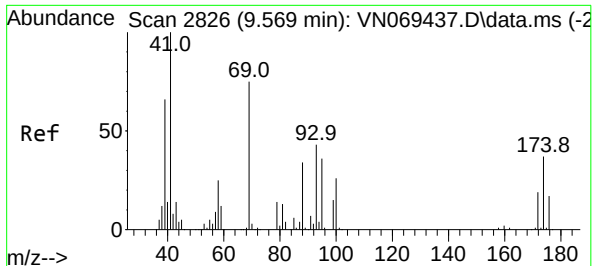
Tgt Ion:117 Resp: 20141
Ion Ratio Lower Upper
117 100
119 89.5 77.5 116.3
121 32.3 23.5 35.3



#41
Bromodichloromethane
Concen: 7.449 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. -0.003 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 83 Resp: 101197
Ion Ratio Lower Upper
83 100
85 64.1 54.1 81.1
127 9.1 7.6 11.4





#45

1,4-Dioxane

Concen: 0.391 ug/l

RT: 9.166 min Scan# 2

Delta R.T. -0.402 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

Instrument :

MSVOA_N

ClientSampleId :

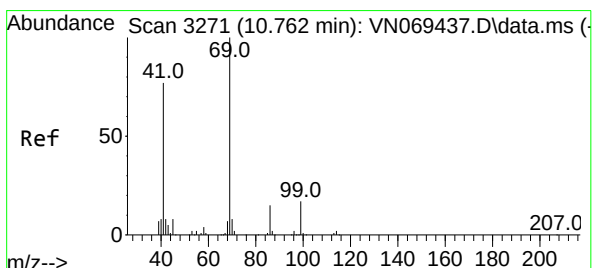
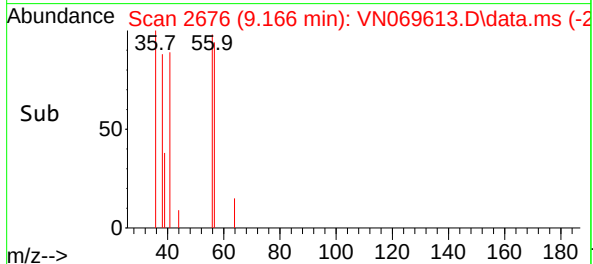
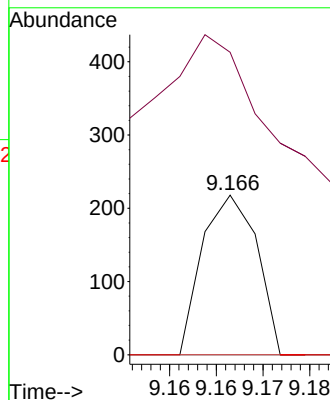
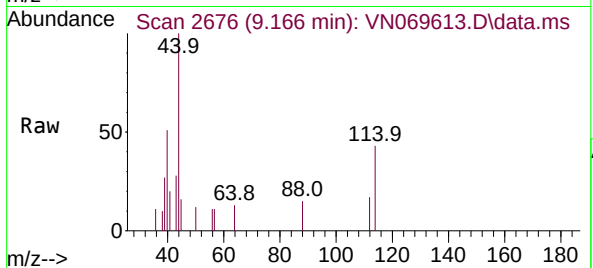
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 137.1 25.0 37.6#

58 0.0 49.4 74.2#



#51

Ethyl methacrylate

Concen: 0.232 ug/l

RT: 10.448 min Scan# 3154

Delta R.T. -0.314 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

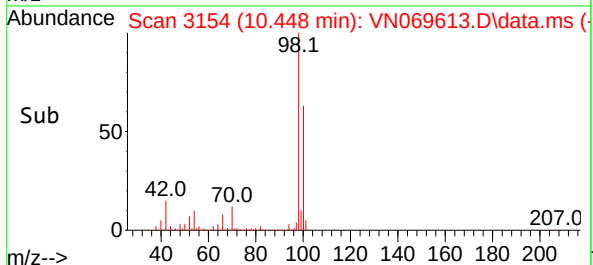
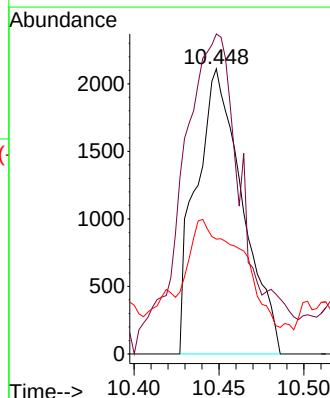
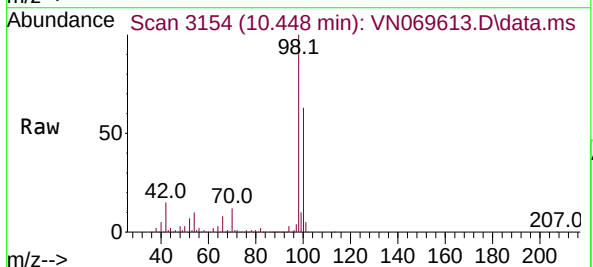
Tgt Ion: 69 Resp: 3992

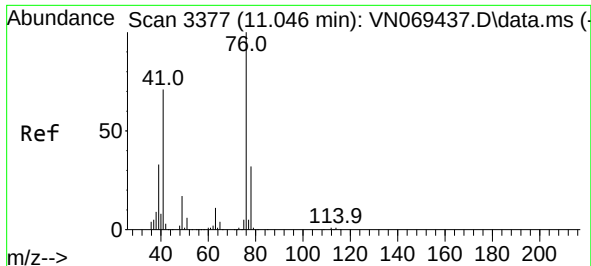
Ion Ratio Lower Upper

69 100

41 92.9 33.0 98.9

39 30.9 25.4 76.4

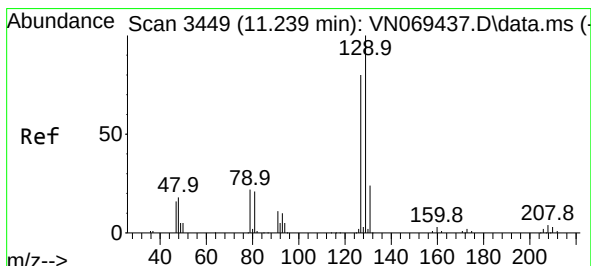
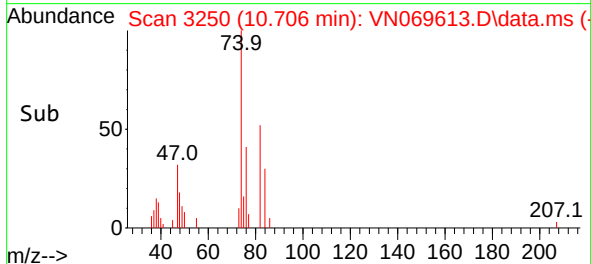
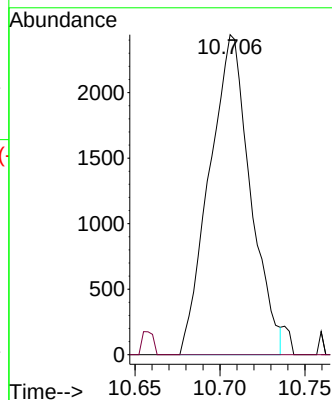
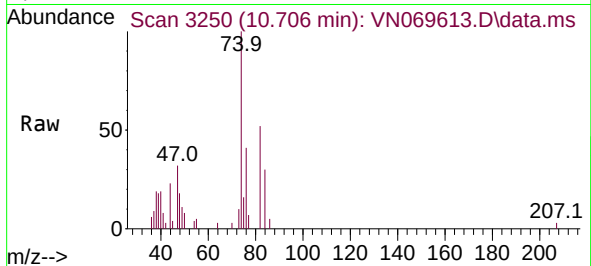




#52
1,3-Dichloropropane
Concen: 0.231 ug/l
RT: 10.706 min Scan# 31
Delta R.T. -0.340 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

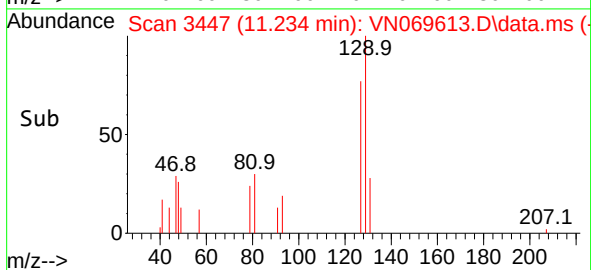
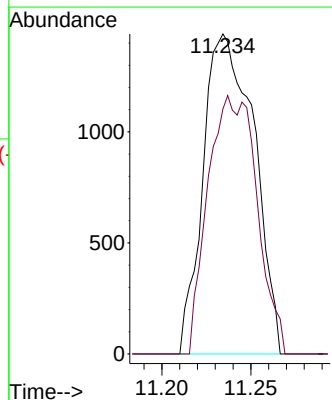
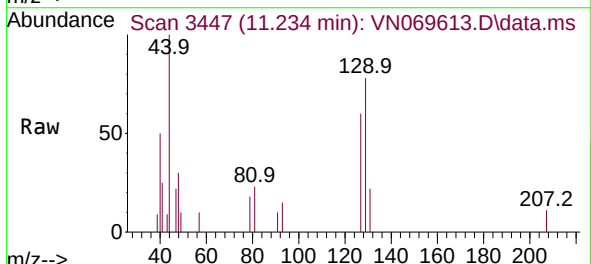
Instrument :
MSVOA_N
ClientSampleId :

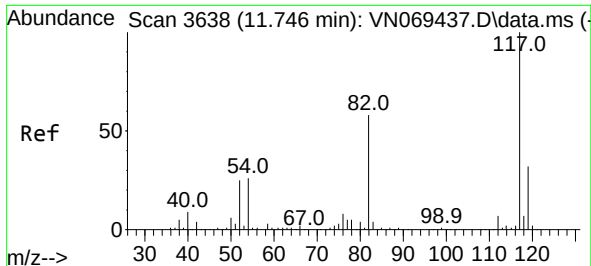
Tgt Ion: 76 Resp: 4098
Ion Ratio Lower Upper
76 100
78 2.0 0.0 65.4



#53
Dibromochloromethane
Concen: 0.291 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.005 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 129 Resp: 2857
Ion Ratio Lower Upper
129 100
127 47.4 39.0 117.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

Instrument :

MSVOA_N

ClientSampleId :

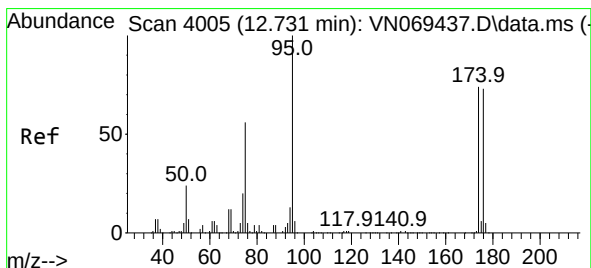
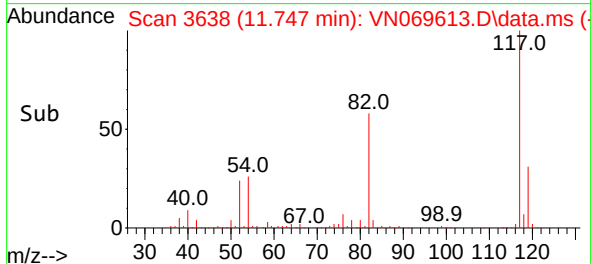
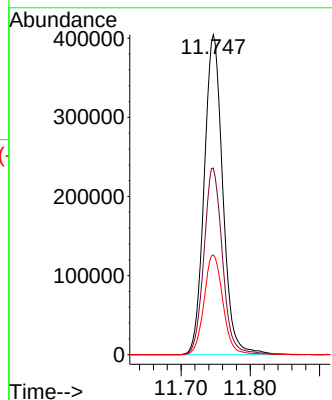
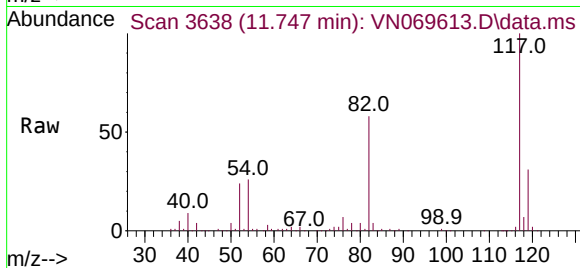
Tgt Ion:117 Resp: 754183

Ion Ratio Lower Upper

117 100

82 58.5 43.6 65.4

119 31.8 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 23.775 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.000 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

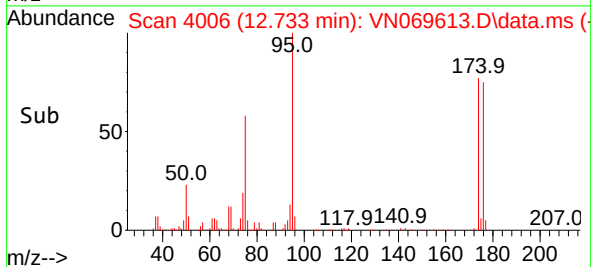
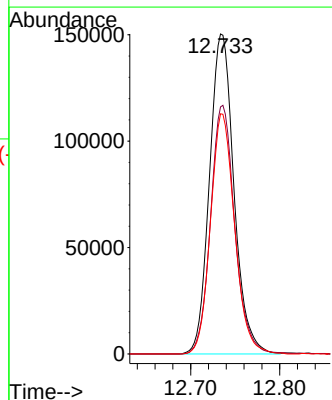
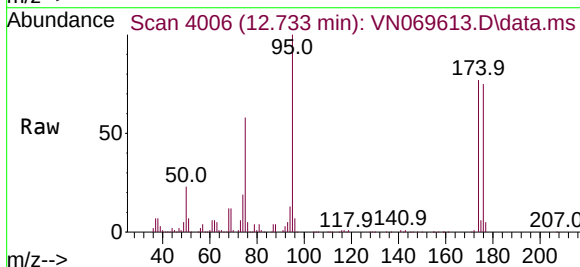
Tgt Ion: 95 Resp: 286945

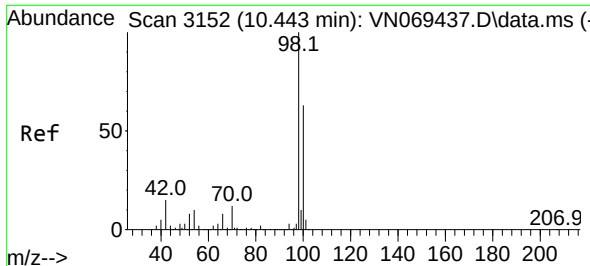
Ion Ratio Lower Upper

95 100

174 77.0 62.9 94.3

176 74.2 61.0 91.4

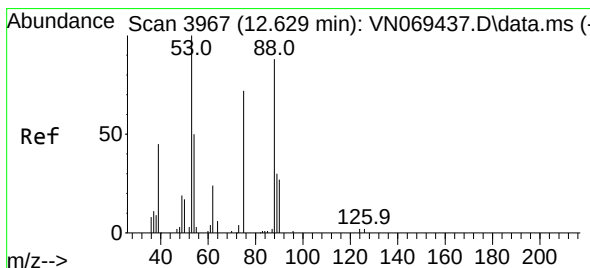
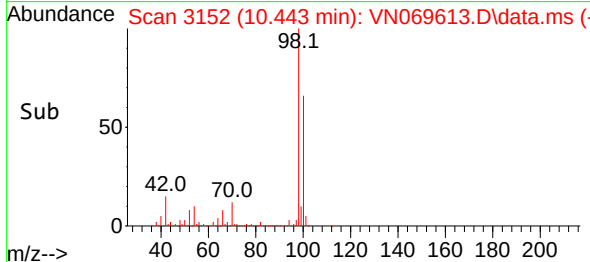
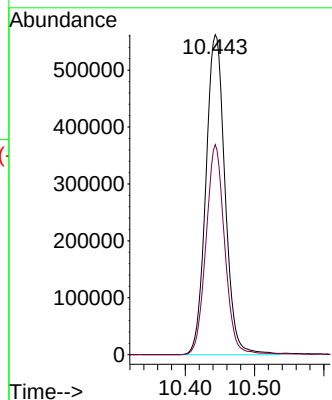
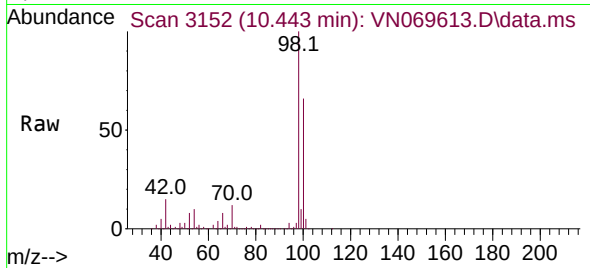




#63
Toluene-d8
Concen: 31.009 ug/l
RT: 10.443 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1079804
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.876 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069613.D
Acq: 22 Nov 2021 16:37

Tgt Ion: 75 Resp: 162113
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

