

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069617.D
 Acq On : 22 Nov 2021 18:19
 Operator : JC/MD
 Sample : M4806-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:54:06 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)

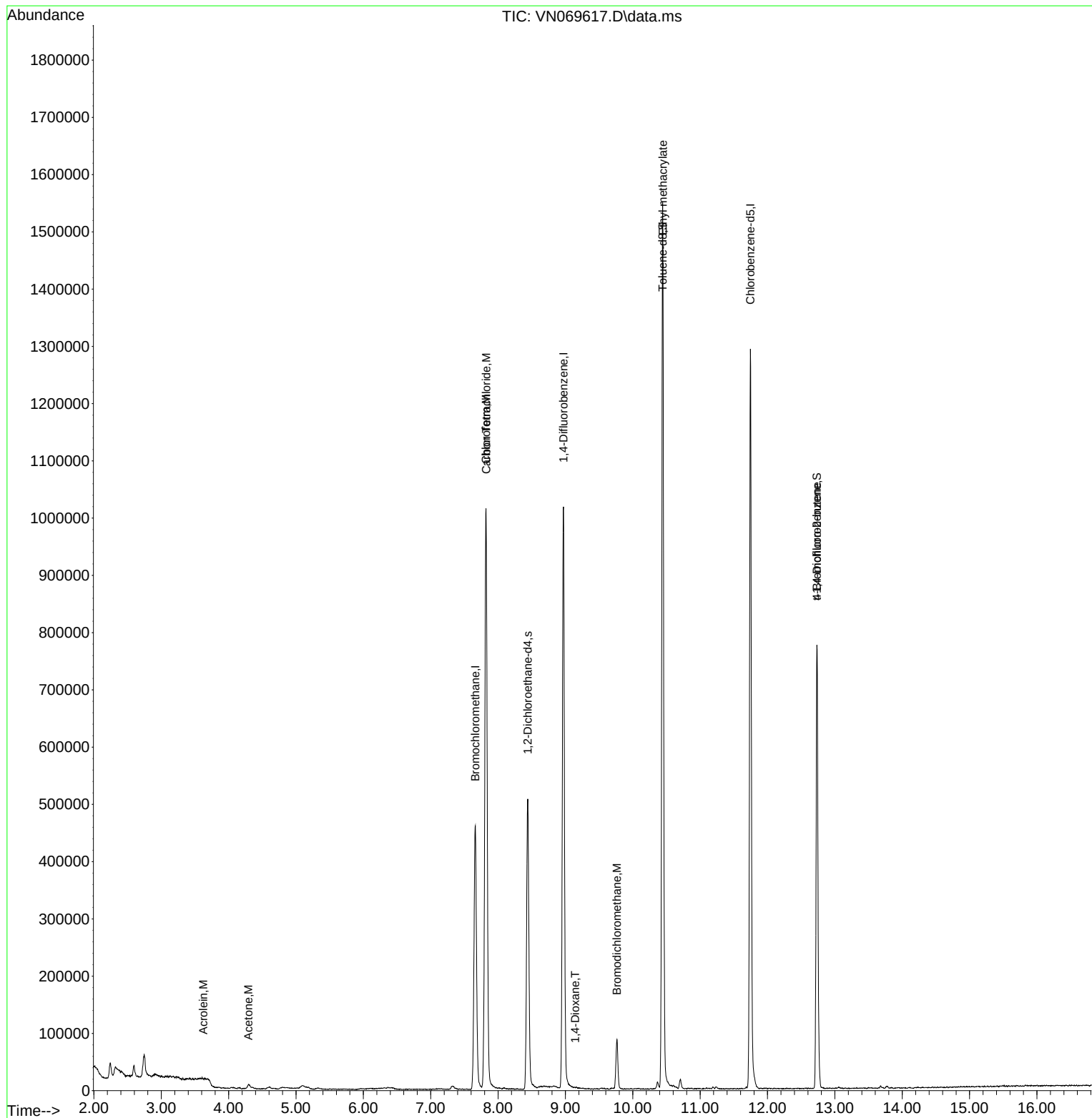
Internal Standards						
1) Bromochloromethane	7.662	128	159735	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	858398	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	738390	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	434963	31.397	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.667%
60) 4-Bromofluorobenzene	12.733	95	277597	23.493	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.300%
63) Toluene-d8	10.443	98	1056103	30.977	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.267%
Target Compounds						
					Qvalue	
13) Acrolein	3.625	56	151	0.239	ug/l	97
15) Acetone	4.293	58	900	0.431	ug/l #	23
25) Chloroform	7.820	83	982677	51.531	ug/l	99
33) Carbon Tetrachloride	7.823	117	10368	0.821	ug/l	89
41) Bromodichloromethane	9.764	83	59950	4.519	ug/l	98
45) 1,4-Dioxane	9.145	88	202	0.908	ug/l #	16
51) Ethyl methacrylate	10.448	69	4355	0.259	ug/l	77
77) t-1,4-Dichloro-2-butene	12.733	75	156732	41.352	ug/l #	8

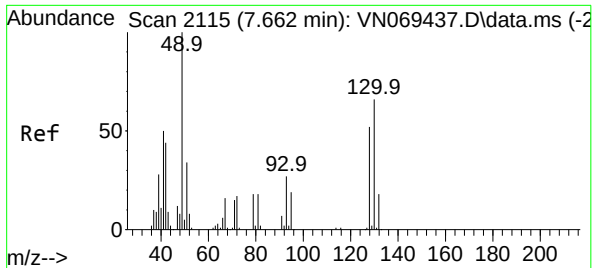
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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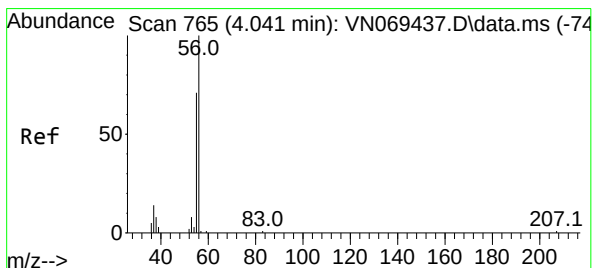
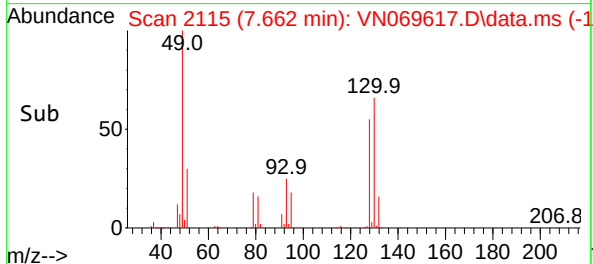
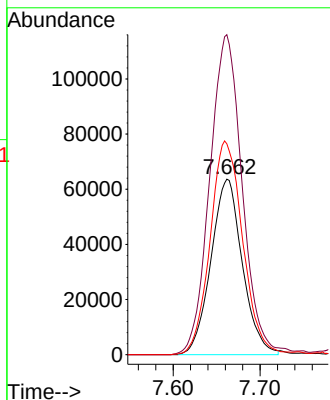
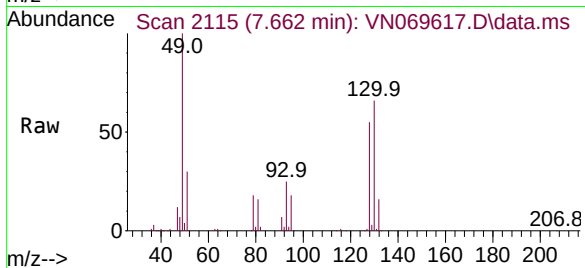




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

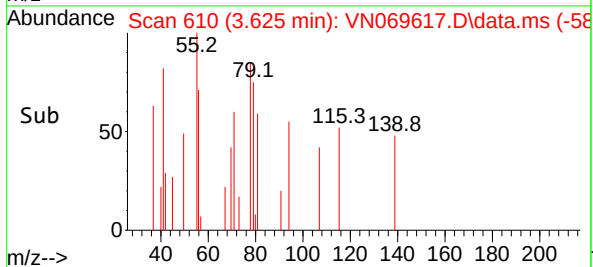
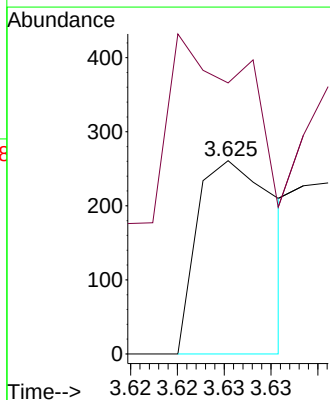
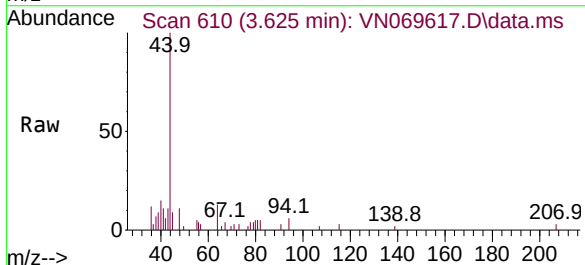
Instrument :
MSVOA_N
ClientSampleId :

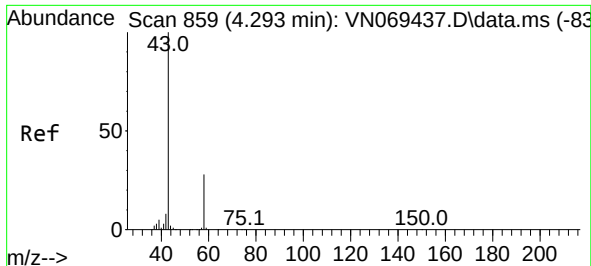
Tgt Ion:128 Resp: 159735
Ion Ratio Lower Upper
128 100
49 188.5 0.0 392.3
130 126.6 0.0 320.2



#13
Acrolein
Concen: 0.239 ug/l
RT: 3.625 min Scan# 610
Delta R.T. -0.421 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 69.5 57.6 86.4

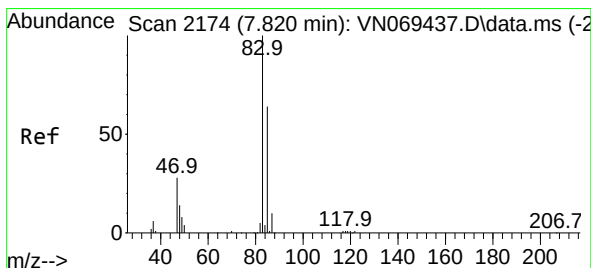
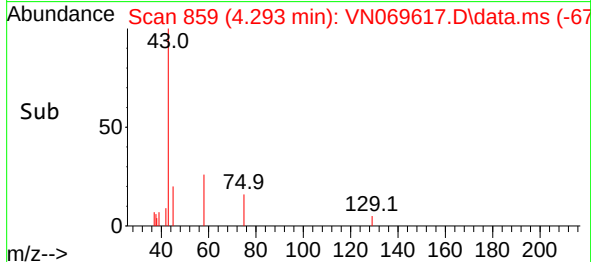
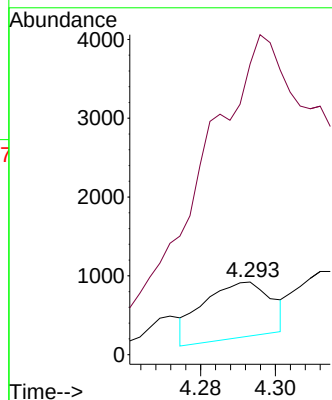
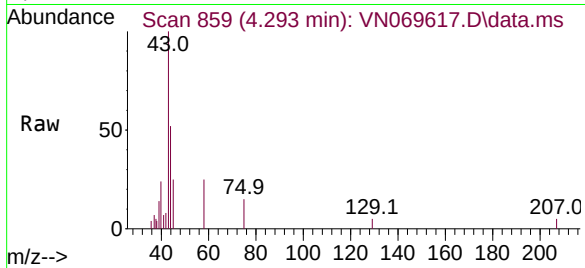




#15
Acetone
Concen: 0.431 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

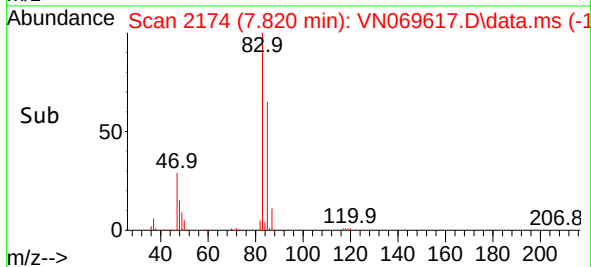
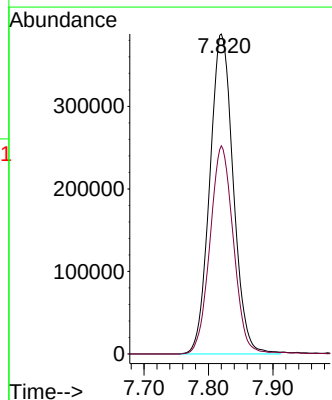
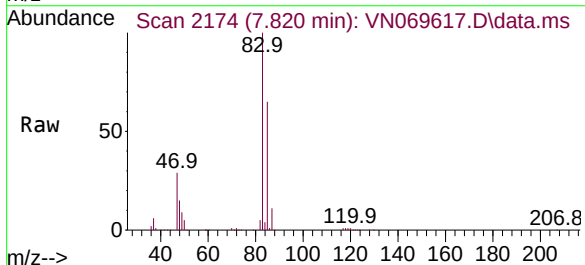
Instrument :
MSVOA_N
ClientSampleId :

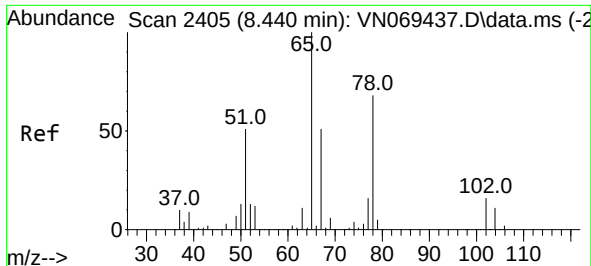
Tgt Ion: 58 Resp: 900
Ion Ratio Lower Upper
58 100
43 479.2 256.6 384.8#



#25
Chloroform
Concen: 51.531 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

Tgt Ion: 83 Resp: 982677
Ion Ratio Lower Upper
83 100
85 65.0 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 31.397 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069617.D

Acq: 22 Nov 2021 18:19

Instrument :

MSVOA_N

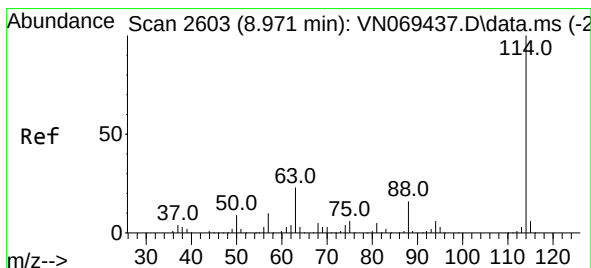
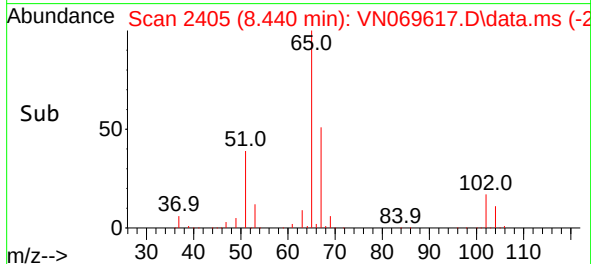
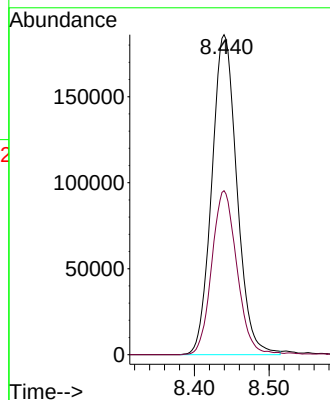
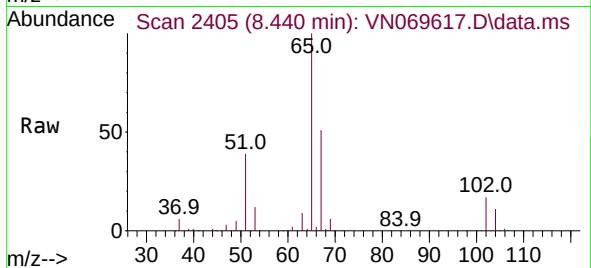
ClientSampleId :

Tgt Ion: 65 Resp: 434963

Ion Ratio Lower Upper

65 100

67 50.8 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: VN069617.D

Acq: 22 Nov 2021 18:19

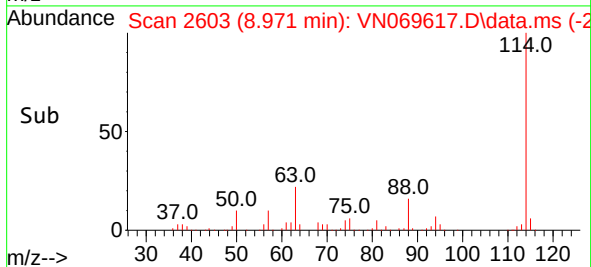
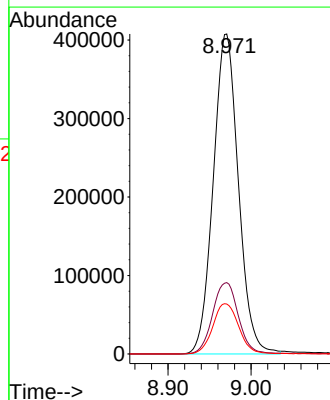
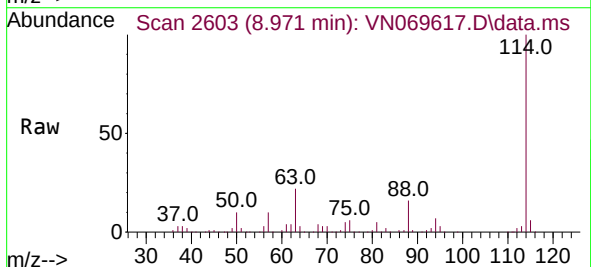
Tgt Ion: 114 Resp: 858398

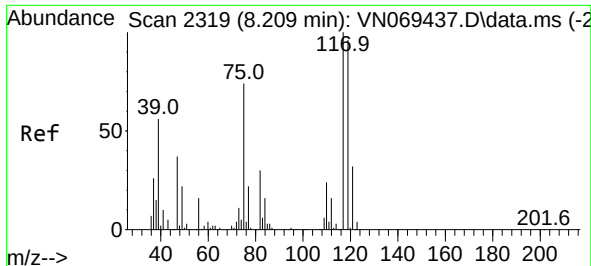
Ion Ratio Lower Upper

114 100

63 23.0 15.8 23.6

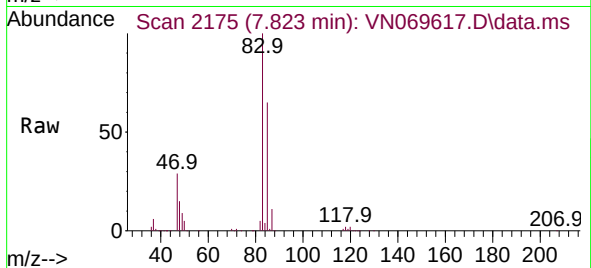
88 16.2 11.6 17.4



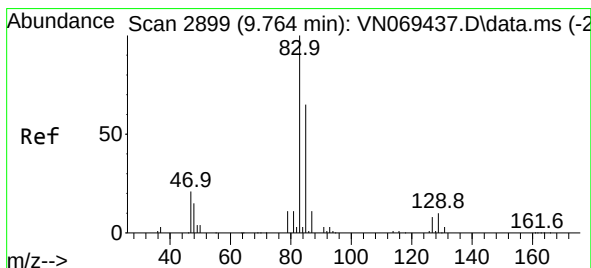
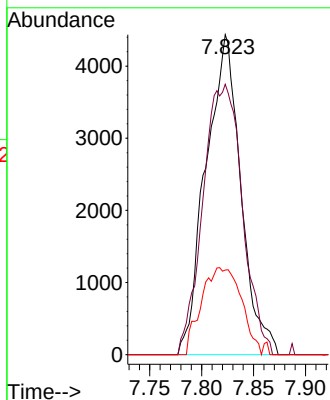
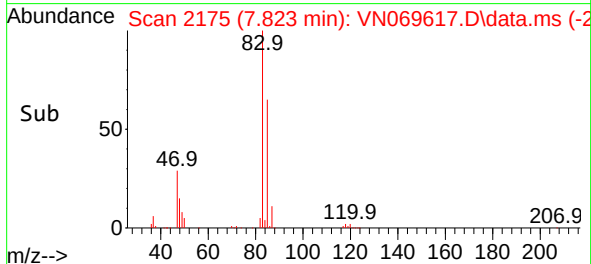


#33
Carbon Tetrachloride
Concen: 0.821 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. -0.386 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

Instrument :
MSVOA_N
ClientSampleId :

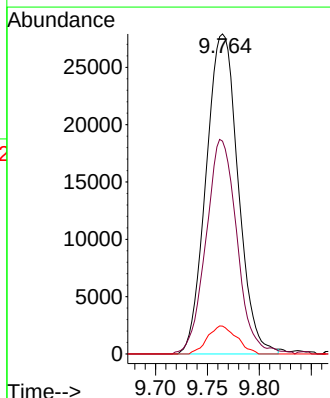
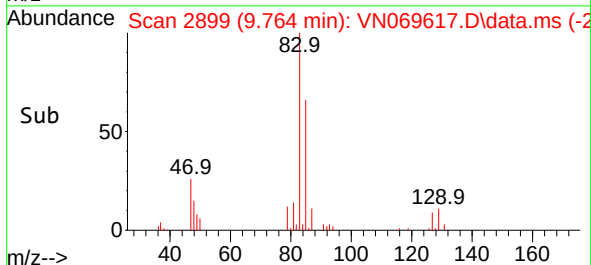
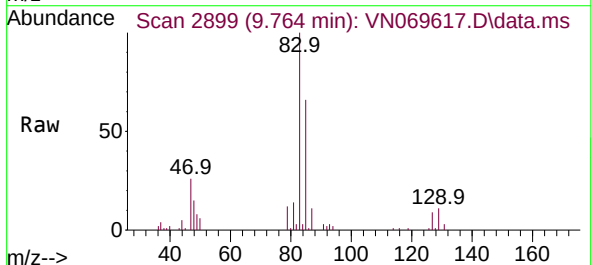


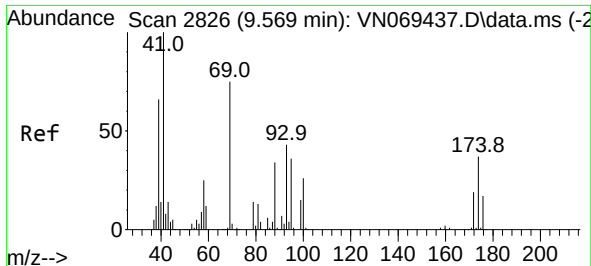
Tgt Ion:117 Resp: 10368
Ion Ratio Lower Upper
117 100
119 84.5 77.5 116.3
121 26.5 23.5 35.3



#41
Bromodichloromethane
Concen: 4.519 ug/l
RT: 9.764 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

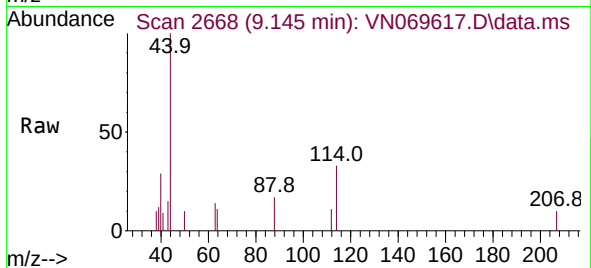
Tgt Ion: 83 Resp: 59950
Ion Ratio Lower Upper
83 100
85 65.7 54.1 81.1
127 8.7 7.6 11.4



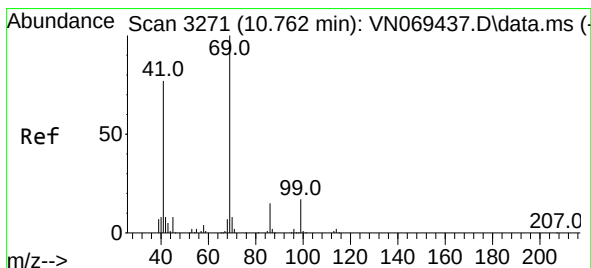
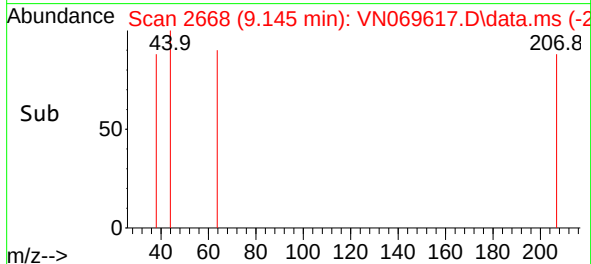
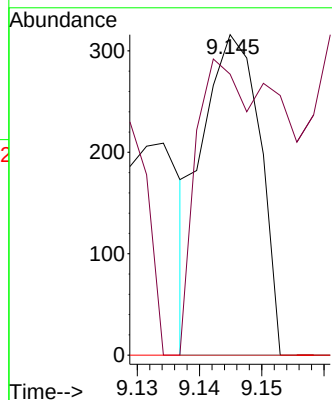


#45
1,4-Dioxane
Concen: 0.908 ug/l
RT: 9.145 min Scan# 202
Delta R.T. -0.424 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

Instrument :
MSVOA_N
ClientSampleId :

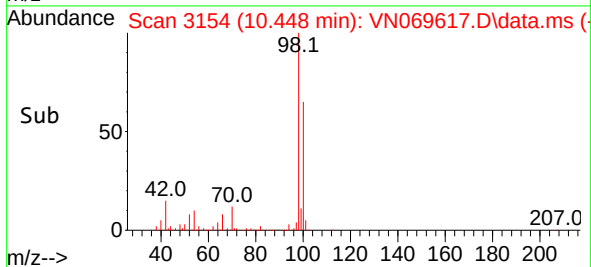
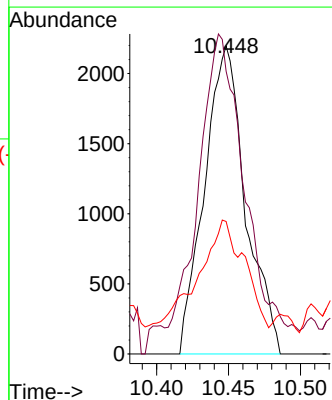
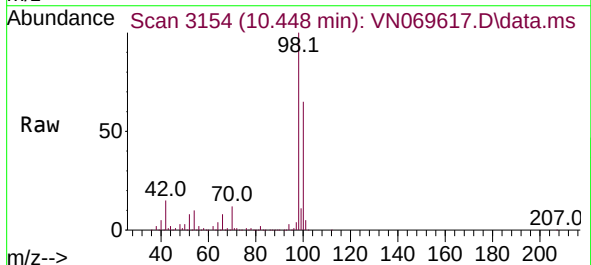


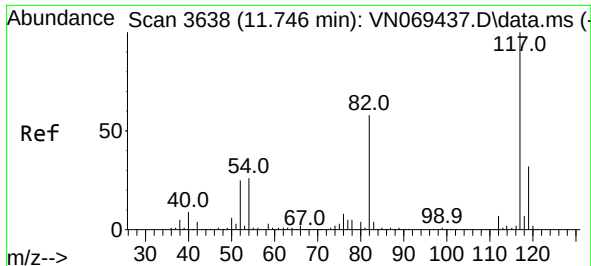
Tgt Ion: 88 Resp: 202
Ion Ratio Lower Upper
88 100
43 82.2 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.259 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN069617.D
Acq: 22 Nov 2021 18:19

Tgt Ion: 69 Resp: 4355
Ion Ratio Lower Upper
69 100
41 79.6 33.0 98.9
39 30.2 25.4 76.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069617.D

Acq: 22 Nov 2021 18:19

Instrument :

MSVOA_N

ClientSampleId :

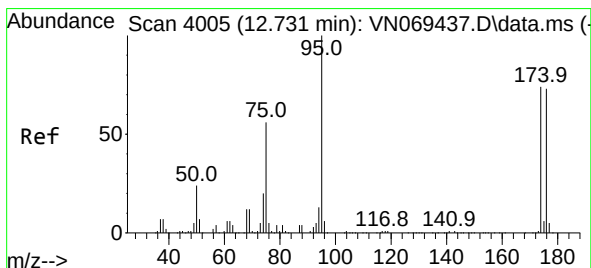
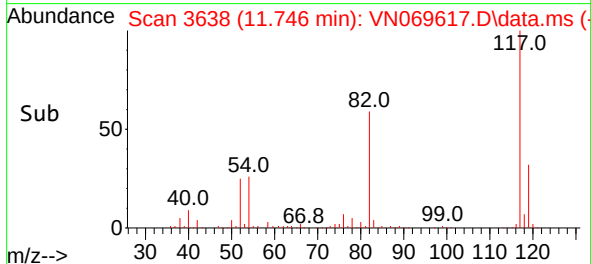
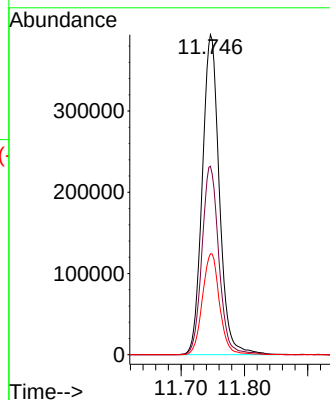
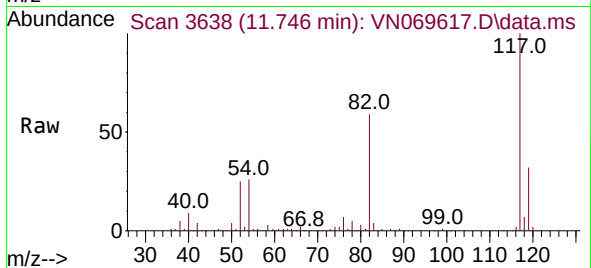
Tgt Ion:117 Resp: 738390

Ion Ratio Lower Upper

117 100

82 57.6 43.6 65.4

119 31.6 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 23.493 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.000 min

Lab File: VN069617.D

Acq: 22 Nov 2021 18:19

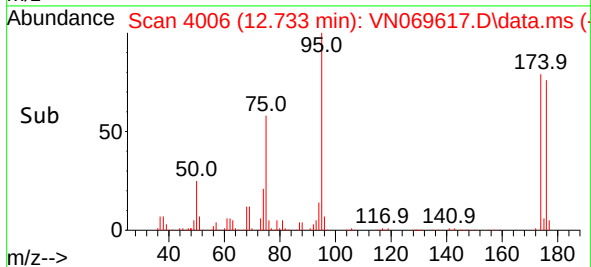
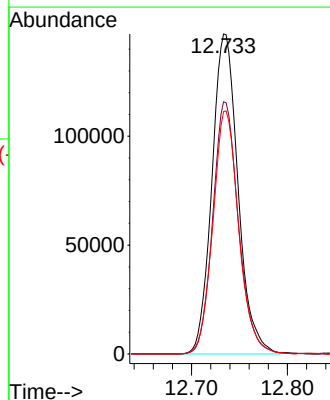
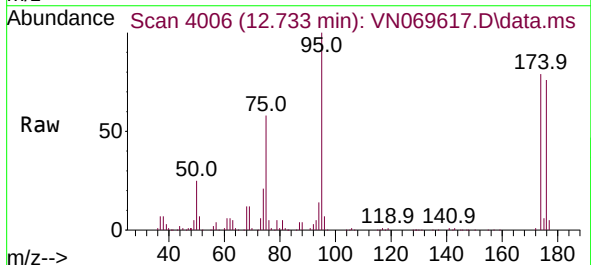
Tgt Ion: 95 Resp: 277597

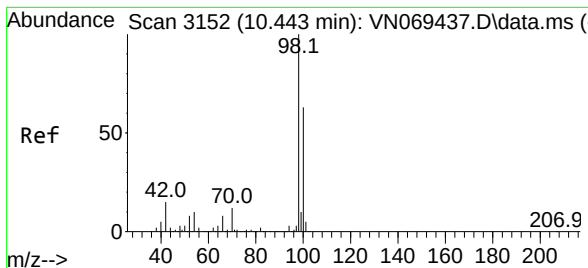
Ion Ratio Lower Upper

95 100

174 77.2 62.9 94.3

176 75.3 61.0 91.4





#63

Toluene-d8

Concen: 30.977 ug/l

RT: 10.443 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN069617.D

Acq: 22 Nov 2021 18:19

Instrument :

MSVOA_N

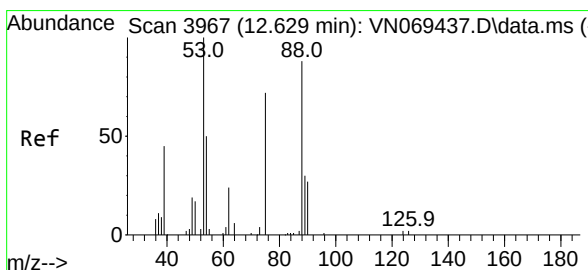
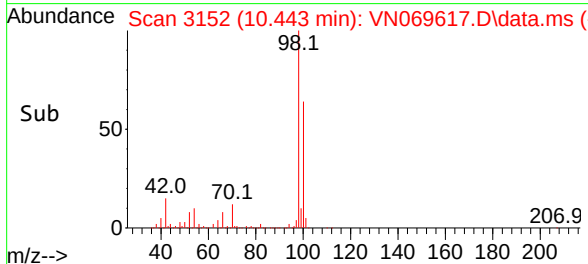
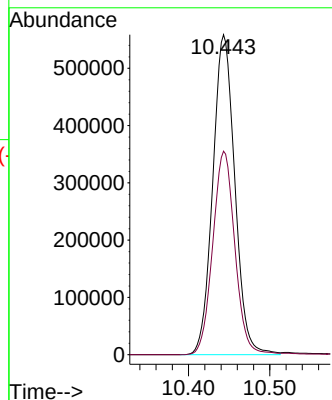
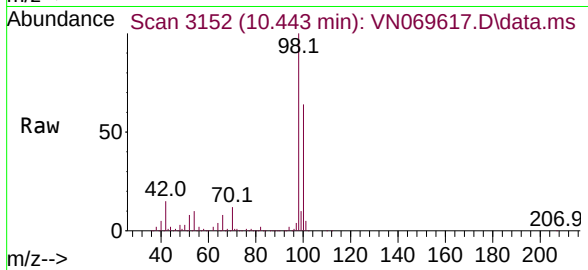
ClientSampleId :

Tgt Ion: 98 Resp: 1056103

Ion Ratio Lower Upper

98 100

100 63.6 50.6 76.0



#77

t-1,4-Dichloro-2-butene

Concen: 41.352 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.105 min

Lab File: VN069617.D

Acq: 22 Nov 2021 18:19

Tgt Ion: 75 Resp: 156732

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

