

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069608.D
 Acq On : 22 Nov 2021 14:30
 Operator : JC/MD
 Sample : M4697-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:51:36 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)

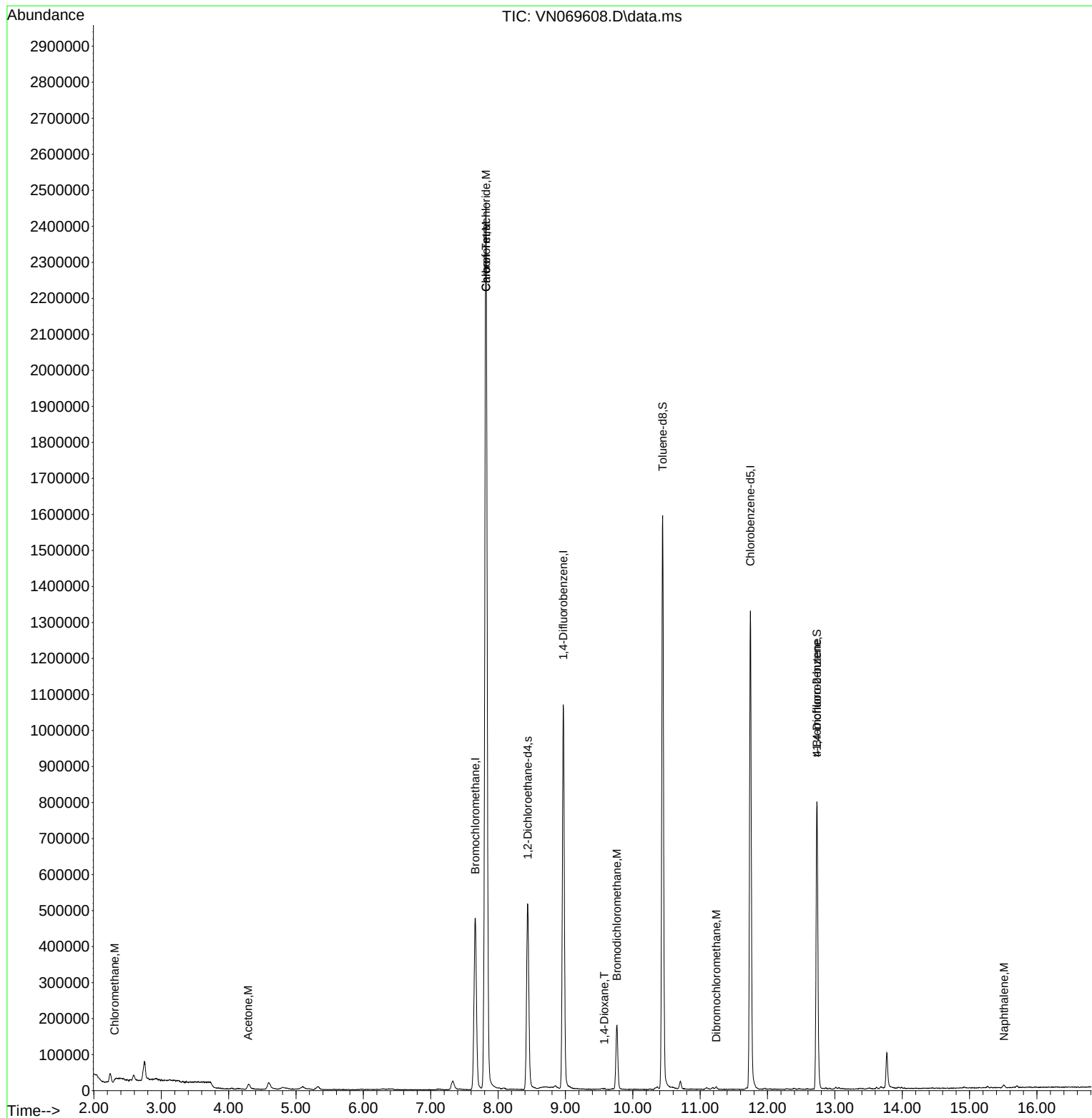
Internal Standards						
1) Bromochloromethane	7.662	128	162555	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	899184	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	759120	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	441893	31.344	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.467%
60) 4-Bromofluorobenzene	12.733	95	292101	24.045	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.167%
63) Toluene-d8	10.443	98	1080800	30.835	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3672	0.293	ug/l	89
15) Acetone	4.291	58	2593	1.219	ug/l	70
25) Chloroform	7.820	83	2367703	122.007	ug/l	99
33) Carbon Tetrachloride	7.820	117	25802	1.950	ug/l	97
41) Bromodichloromethane	9.765	83	119418	8.593	ug/l #	93
45) 1,4-Dioxane	9.577	88	60	0.257	ug/l #	1
53) Dibromochloromethane	11.240	129	3454	0.344	ug/l	94
77) t-1,4-Dichloro-2-butene	12.733	75	161117	41.348	ug/l #	8
91) Naphthalene	15.509	128	7028	0.298	ug/l #	89

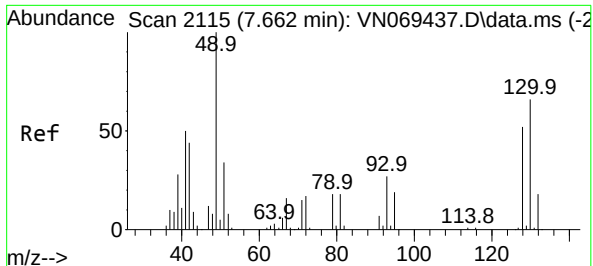
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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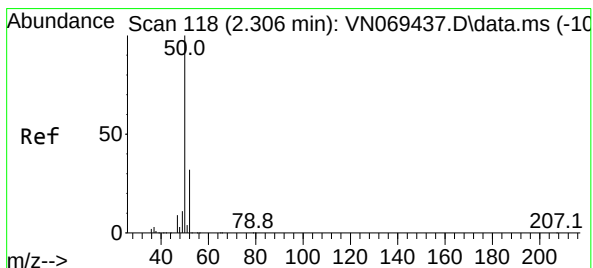
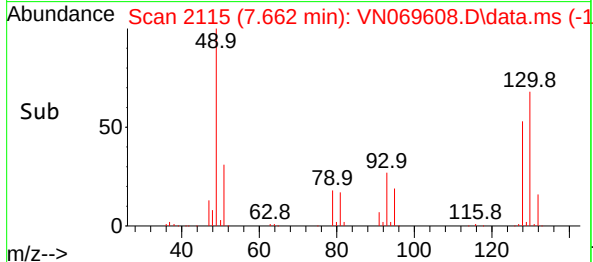
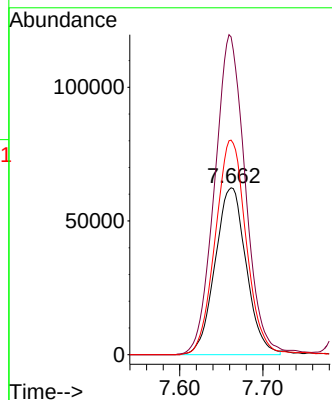
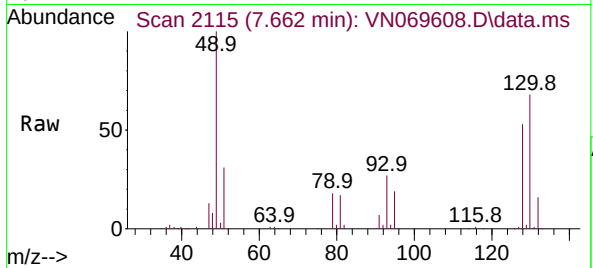




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

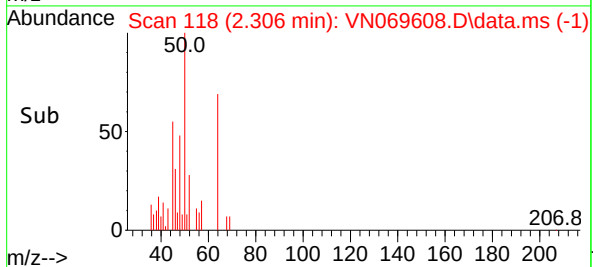
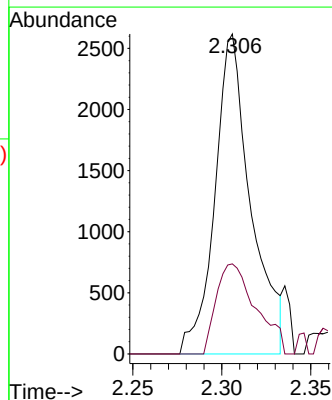
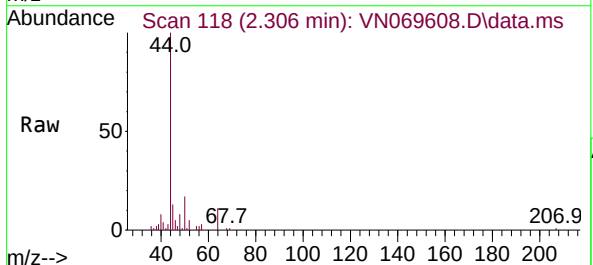
Instrument :
MSVOA_N
ClientSampleId :

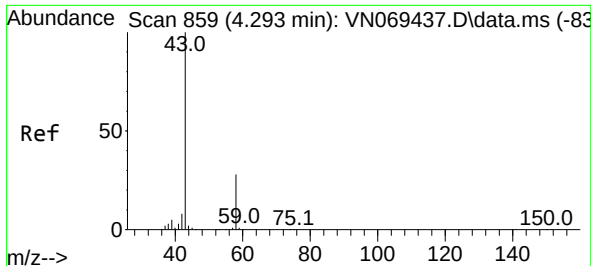
Tgt Ion:128 Resp: 162555
Ion Ratio Lower Upper
128 100
49 188.6 0.0 392.3
130 127.6 0.0 320.2



#3
Chloromethane
Concen: 0.293 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Tgt Ion: 50 Resp: 3672
Ion Ratio Lower Upper
50 100
52 28.2 27.8 41.6

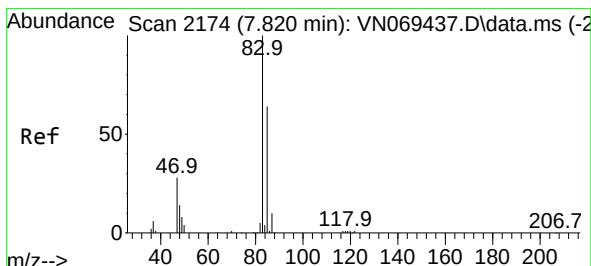
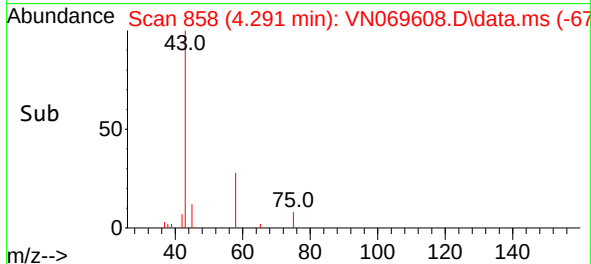
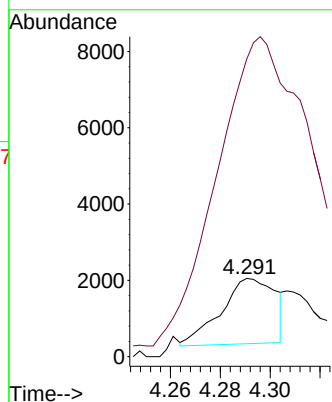
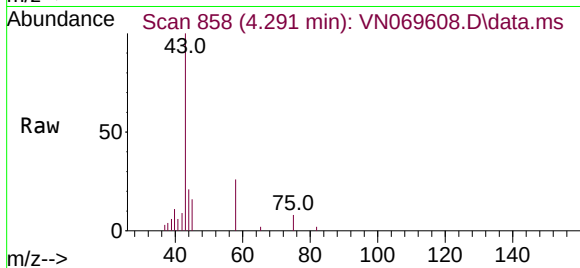




#15
Acetone
Concen: 1.219 ug/l
RT: 4.291 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

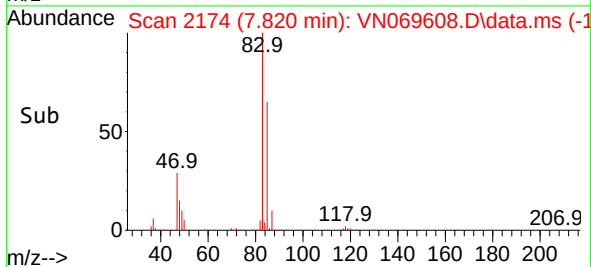
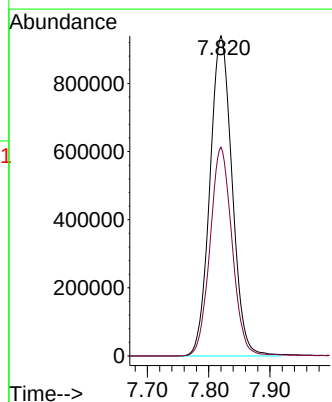
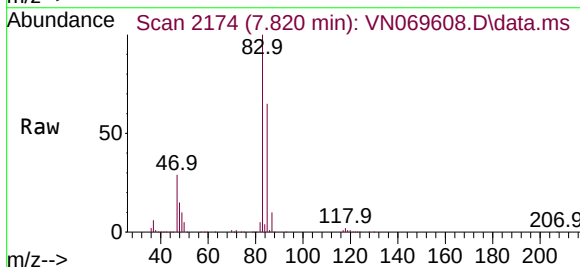
Instrument :
MSVOA_N
ClientSampleId :

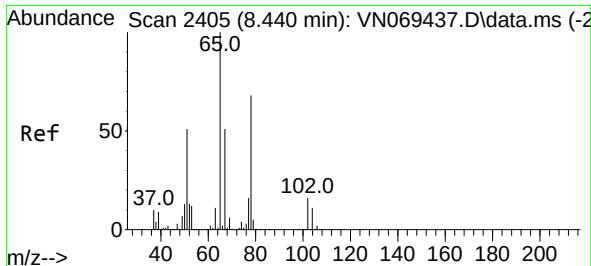
Tgt Ion: 58 Resp: 2593
Ion Ratio Lower Upper
58 100
43 383.1 256.6 384.8



#25
Chloroform
Concen: 122.007 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Tgt Ion: 83 Resp: 2367703
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 31.344 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069608.D

Acq: 22 Nov 2021 14:30

Instrument :

MSVOA_N

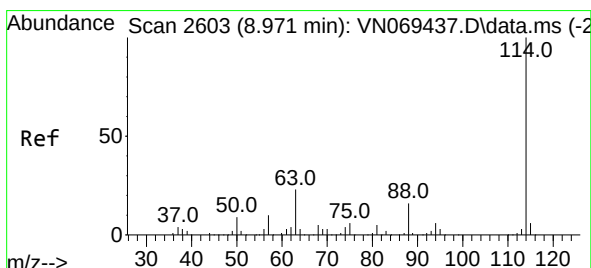
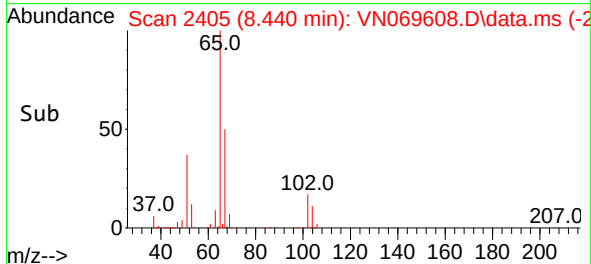
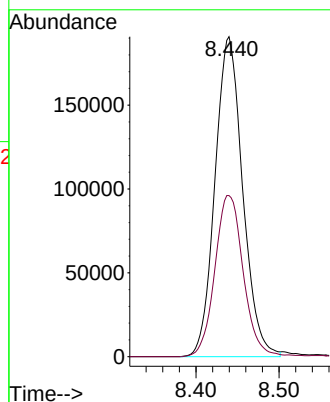
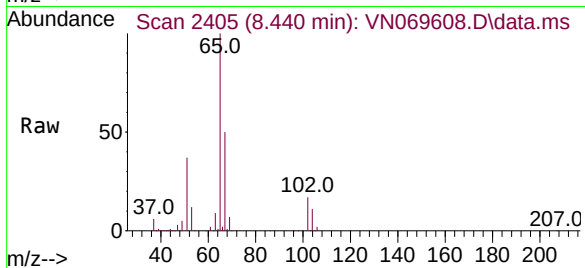
ClientSampleId :

Tgt Ion: 65 Resp: 441893

Ion Ratio Lower Upper

65 100

67 51.5 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.003 min

Lab File: VN069608.D

Acq: 22 Nov 2021 14:30

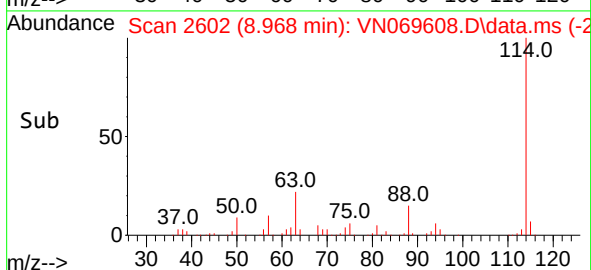
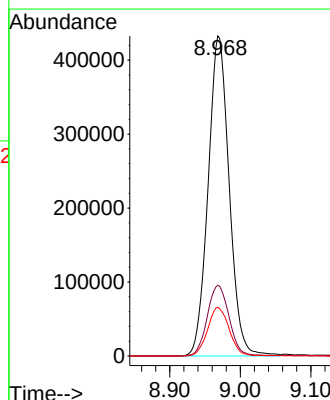
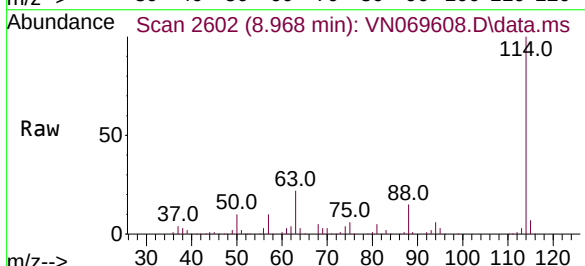
Tgt Ion: 114 Resp: 899184

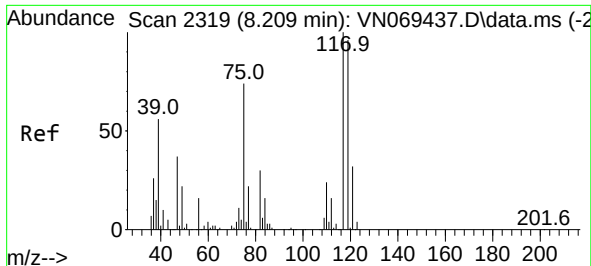
Ion Ratio Lower Upper

114 100

63 22.9 15.8 23.6

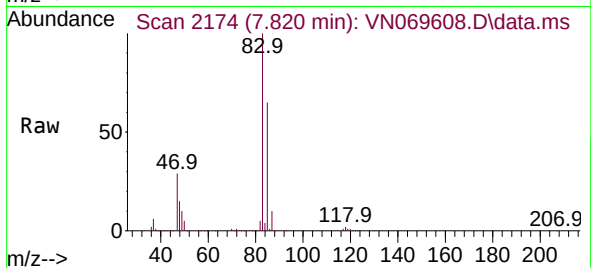
88 15.5 11.6 17.4



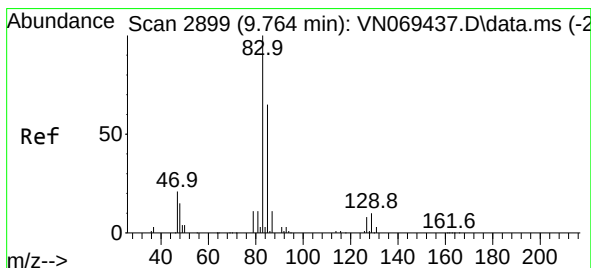
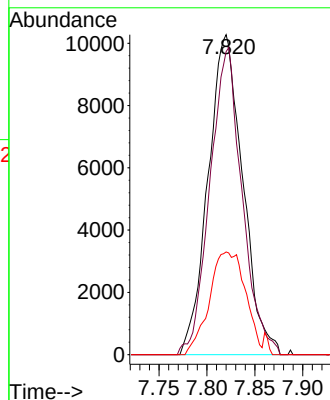
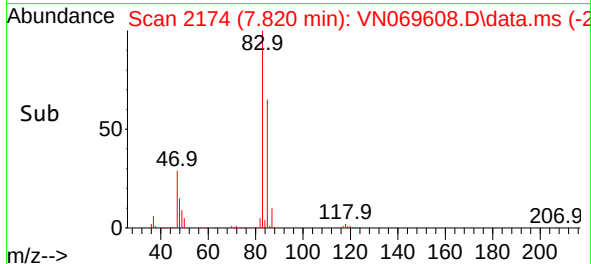


#33
Carbon Tetrachloride
Concen: 1.950 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. -0.389 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :

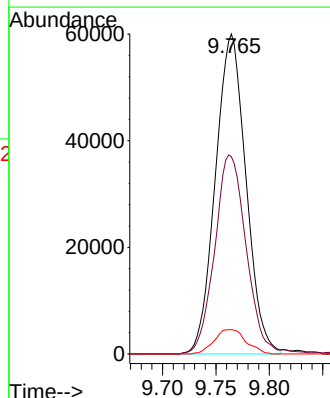
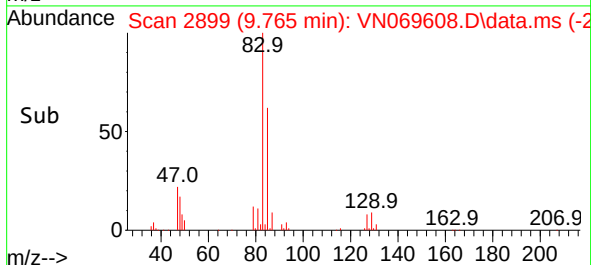
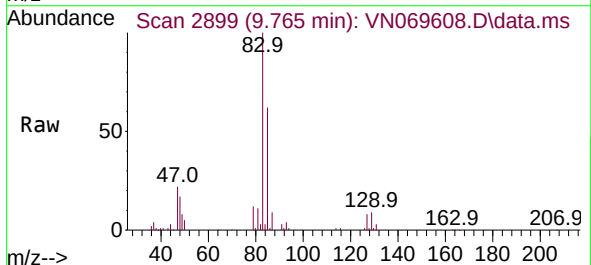


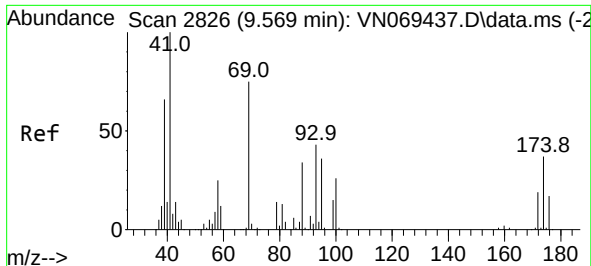
Tgt Ion:117 Resp: 25802
Ion Ratio Lower Upper
117 100
119 94.7 77.5 116.3
121 32.1 23.5 35.3



#41
Bromodichloromethane
Concen: 8.593 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

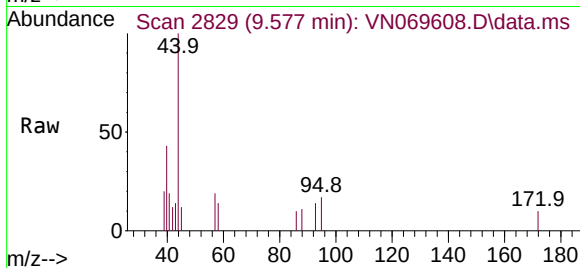
Tgt Ion: 83 Resp: 119418
Ion Ratio Lower Upper
83 100
85 61.6 54.1 81.1
127 7.6 7.6 11.4#



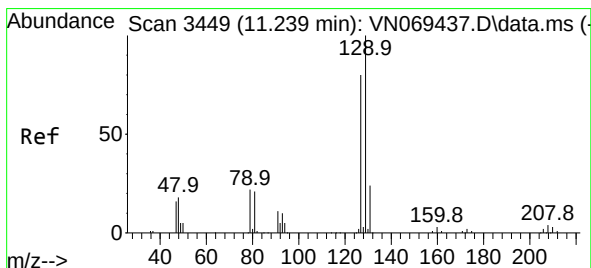
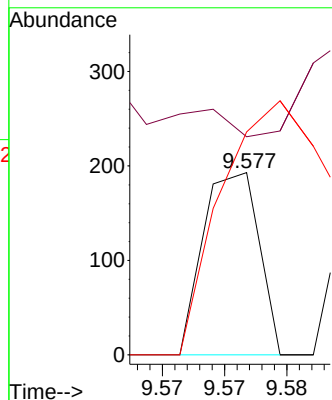
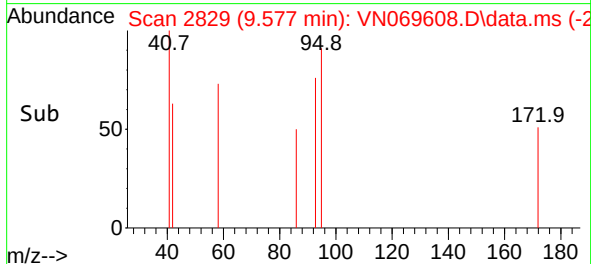


#45
1,4-Dioxane
Concen: 0.257 ug/l
RT: 9.577 min Scan# 21
Delta R.T. 0.008 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :

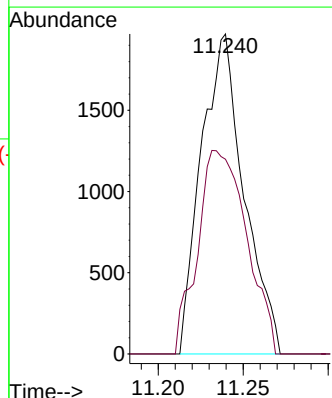
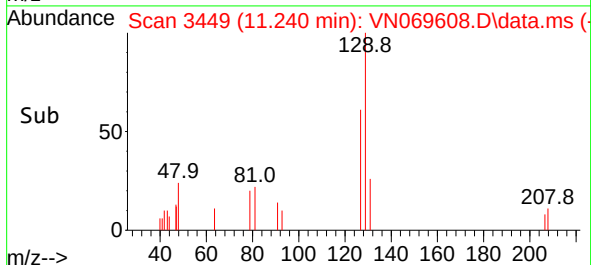
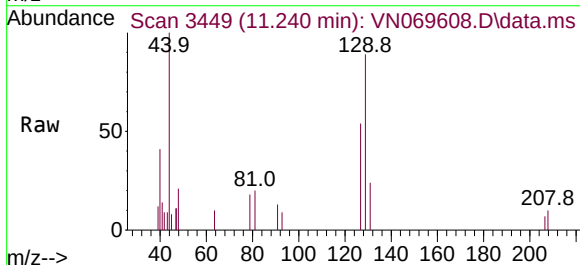


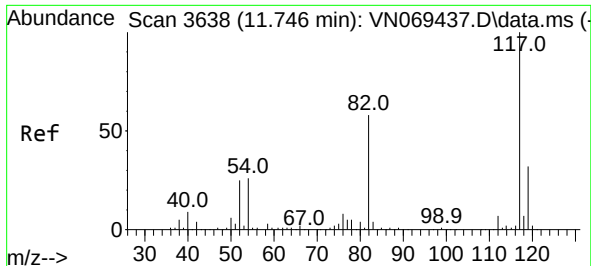
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 171.7 25.0 37.6#
58 278.3 49.4 74.2#



#53
Dibromochloromethane
Concen: 0.344 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Tgt Ion: 129 Resp: 3454
Ion Ratio Lower Upper
129 100
127 72.9 39.0 117.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN069608.D

Acq: 22 Nov 2021 14:30

Instrument :

MSVOA_N

ClientSampleId :

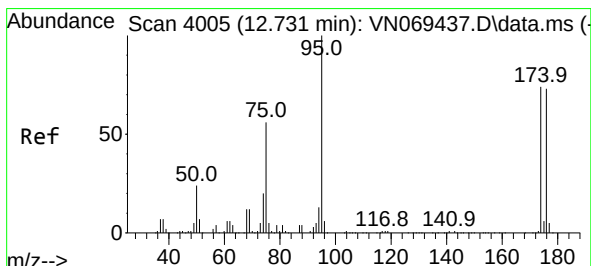
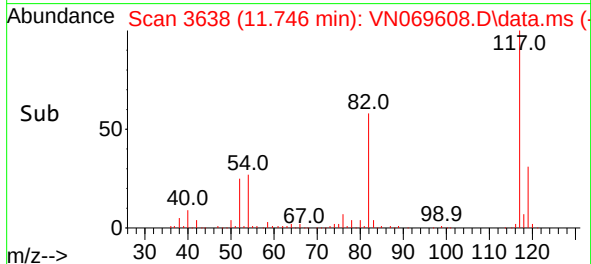
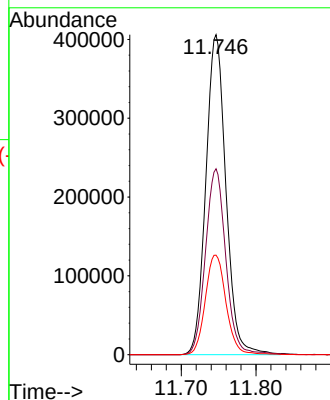
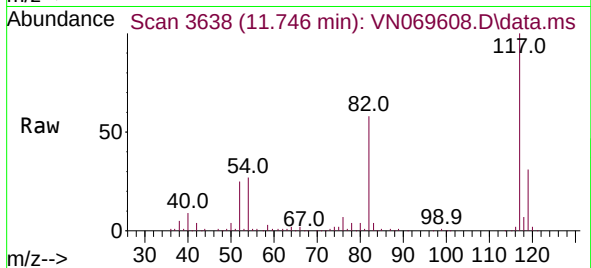
Tgt Ion:117 Resp: 759120

Ion Ratio Lower Upper

117 100

82 59.0 43.6 65.4

119 32.0 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 24.045 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.000 min

Lab File: VN069608.D

Acq: 22 Nov 2021 14:30

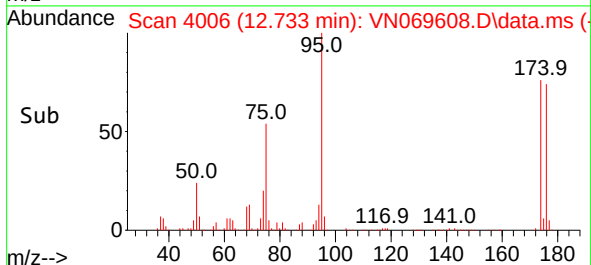
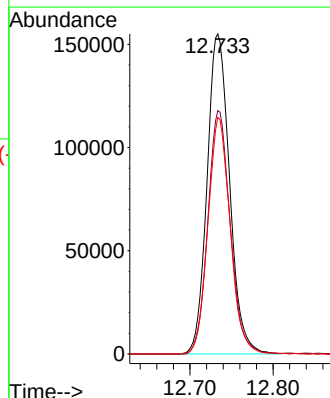
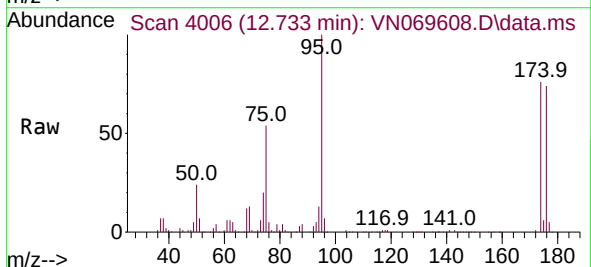
Tgt Ion: 95 Resp: 292101

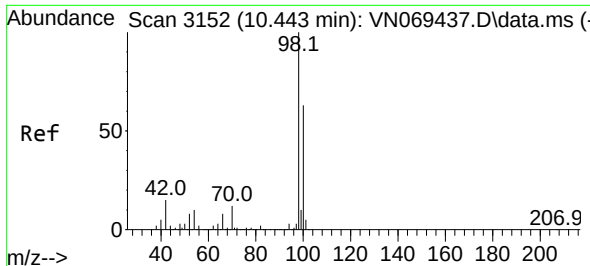
Ion Ratio Lower Upper

95 100

174 75.3 62.9 94.3

176 72.6 61.0 91.4

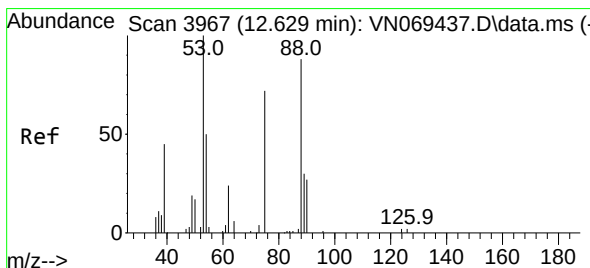
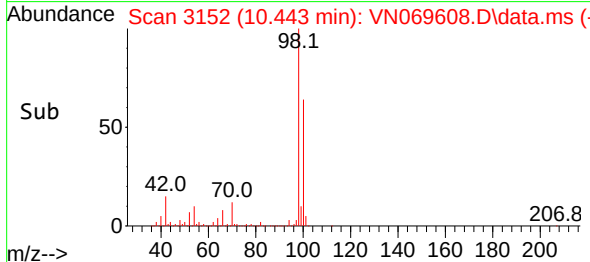
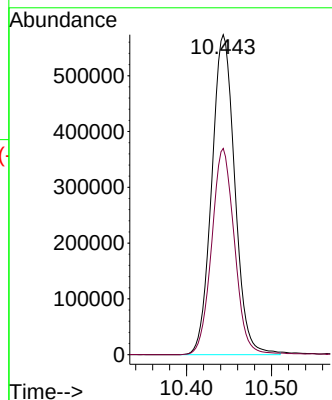
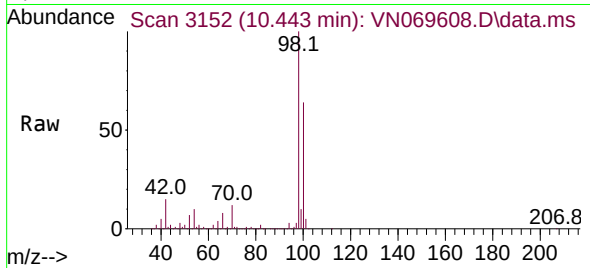




#63
Toluene-d8
Concen: 30.835 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

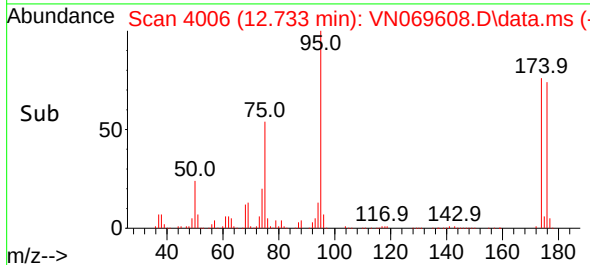
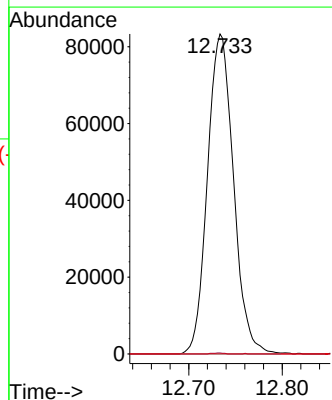
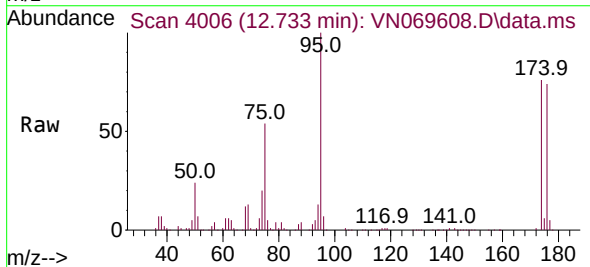
Instrument :
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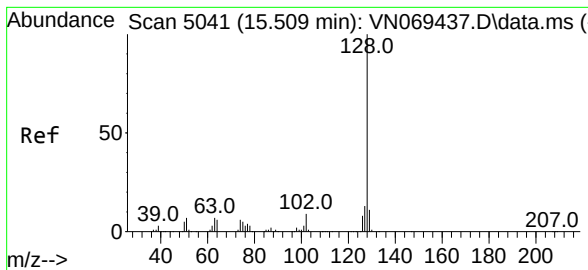
Tgt Ion: 98 Resp: 1080800
Ion Ratio Lower Upper
98 100
100 63.7 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.348 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

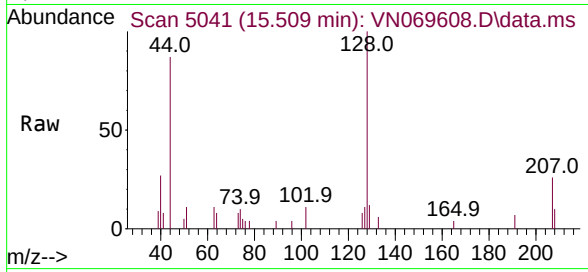
Tgt Ion: 75 Resp: 161117
Ion Ratio Lower Upper
75 100
53 0.3 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 0.298 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN069608.D
Acq: 22 Nov 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 7028
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 3.7 9.0 13.6#

