

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069609.D
 Acq On : 22 Nov 2021 14:55
 Operator : JC/MD
 Sample : M4697-03 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:51:57 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)

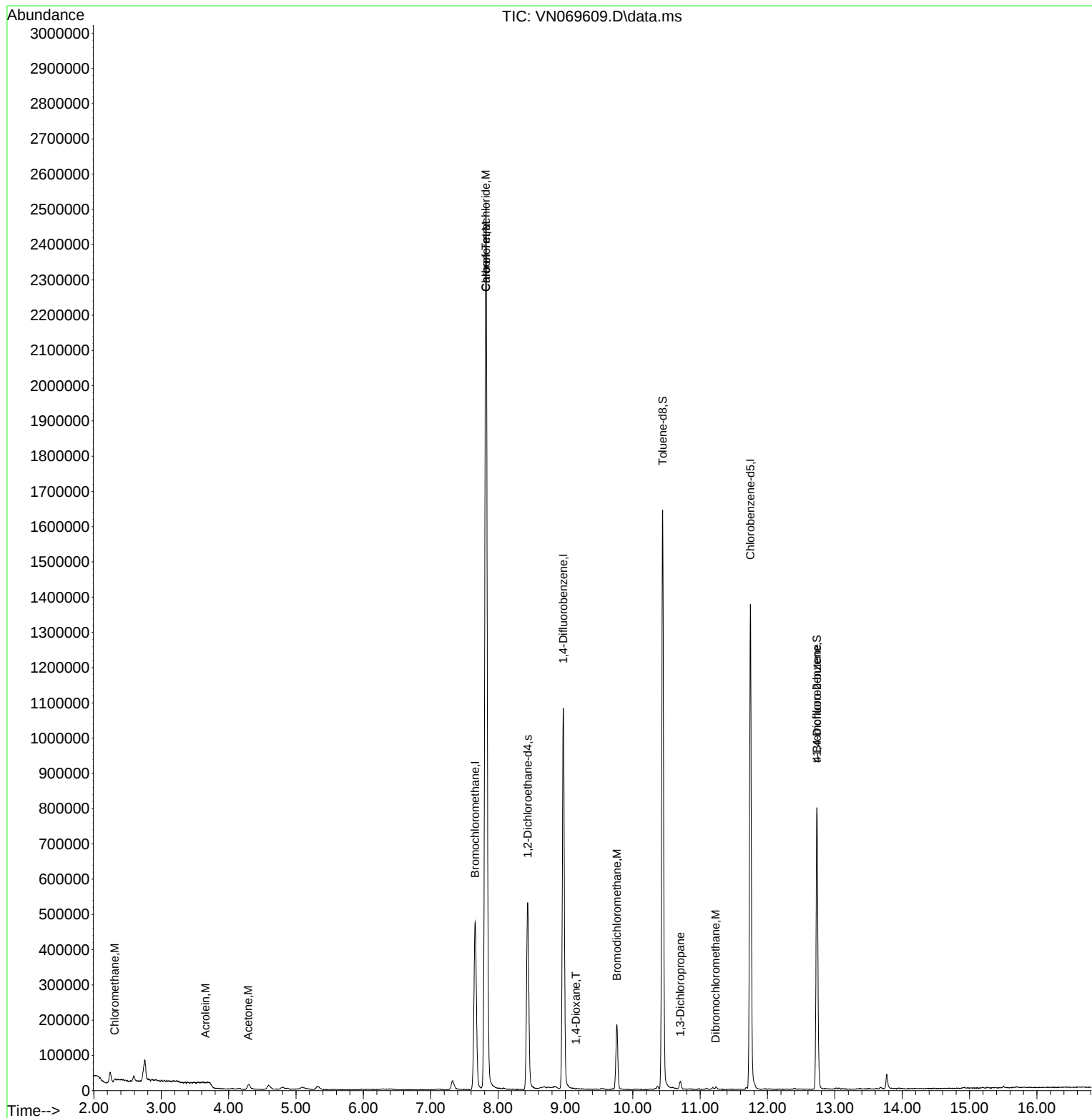
Internal Standards						
1) Bromochloromethane	7.659	128	164723	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	914318	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	776187	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	458636	32.104	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.000%
60) 4-Bromofluorobenzene	12.734	95	285085	22.952	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.500%
63) Toluene-d8	10.443	98	1121459	31.292	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3386	0.267	ug/l	93
13) Acrolein	3.655	56	214	0.328	ug/l	88
15) Acetone	4.291	58	2864	1.329	ug/l	79
25) Chloroform	7.820	83	2421564	123.140	ug/l	100
33) Carbon Tetrachloride	7.818	117	25337	1.883	ug/l	93
41) Bromodichloromethane	9.765	83	123409	8.733	ug/l #	94
45) 1,4-Dioxane	9.156	88	86	0.363	ug/l #	1
52) 1,3-Dichloropropane	10.706	76	3923	0.212	ug/l	45
53) Dibromochloromethane	11.232	129	3453	0.338	ug/l	98
77) t-1,4-Dichloro-2-butene	12.734	75	164526	41.294	ug/l #	8

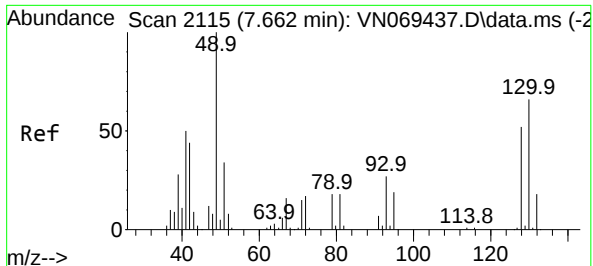
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
Data File : VN069609.D
Acq On : 22 Nov 2021 14:55
Operator : JC/MD
Sample : M4697-03 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 23 03:51:57 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

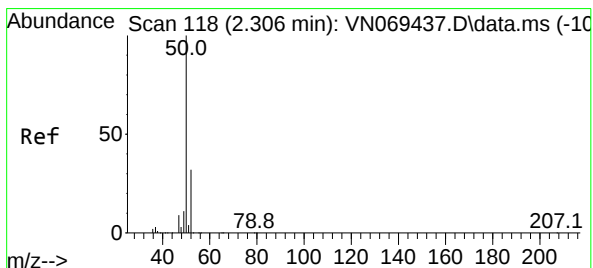
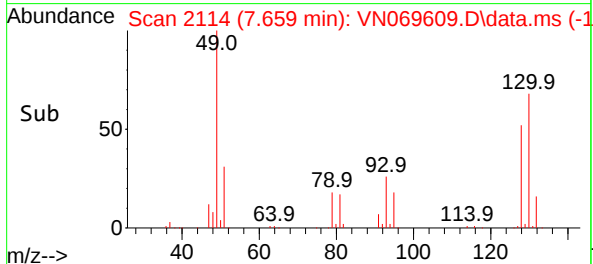
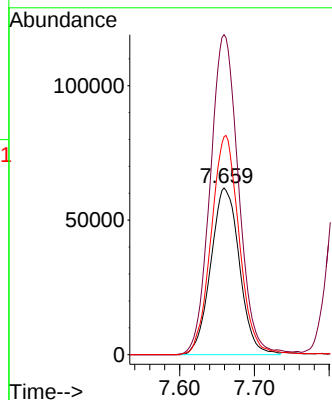
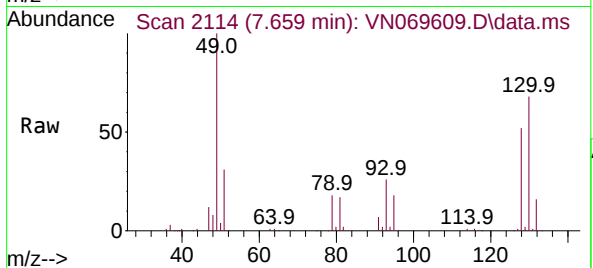




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

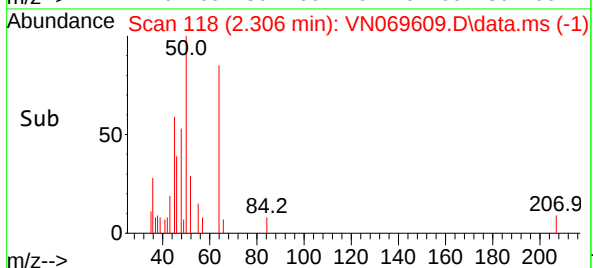
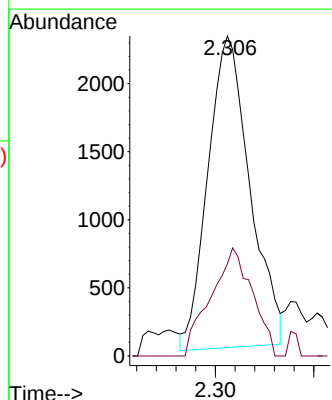
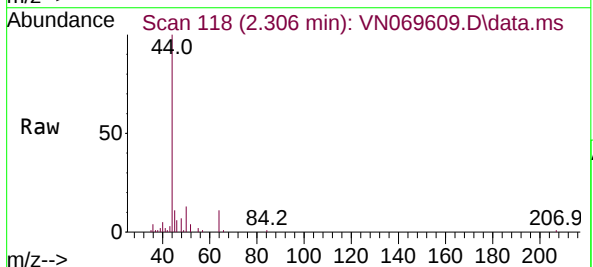
Instrument :
MSVOA_N
ClientSampleId :

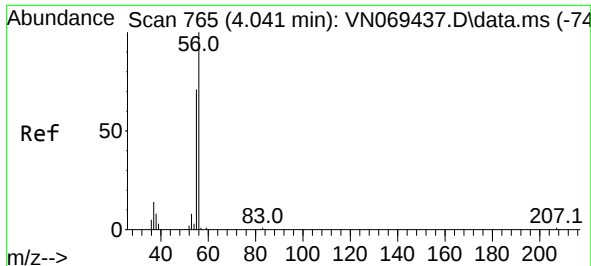
Tgt Ion:128 Resp: 164723
Ion Ratio Lower Upper
128 100
49 188.9 0.0 392.3
130 128.1 0.0 320.2



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion: 50 Resp: 3386
Ion Ratio Lower Upper
50 100
52 30.9 27.8 41.6

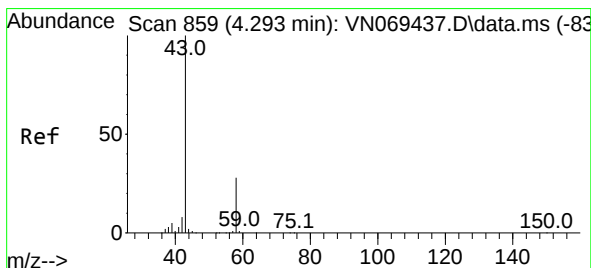
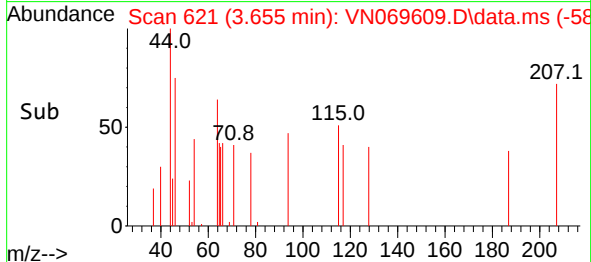
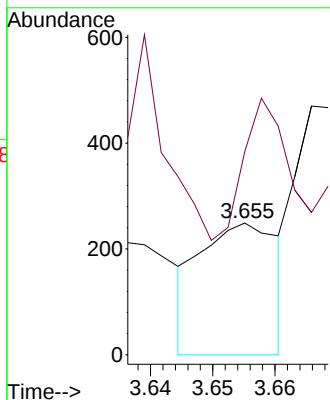
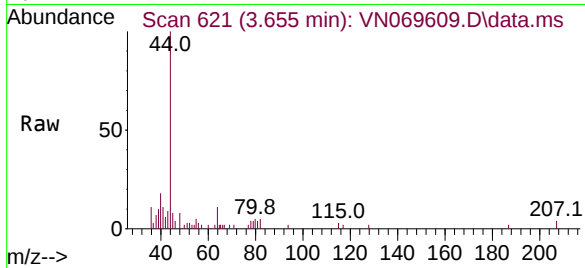




#13
Acrolein
Concen: 0.328 ug/l
RT: 3.655 min Scan# 61
Delta R.T. -0.391 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

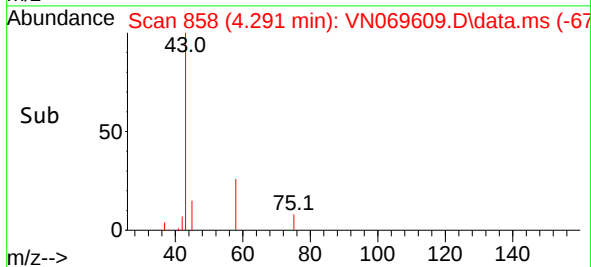
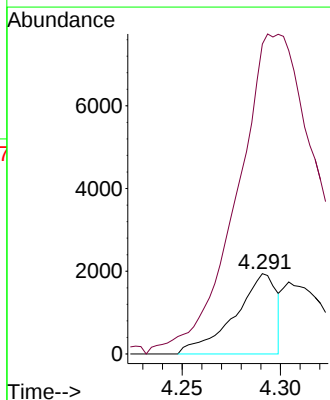
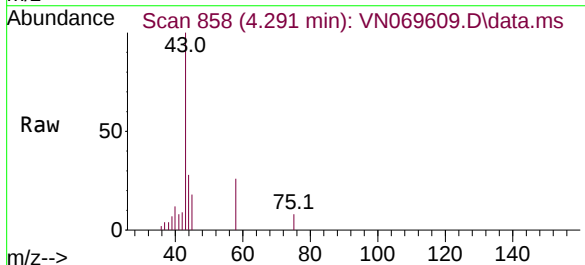
Instrument :
MSVOA_N
ClientSampleId :

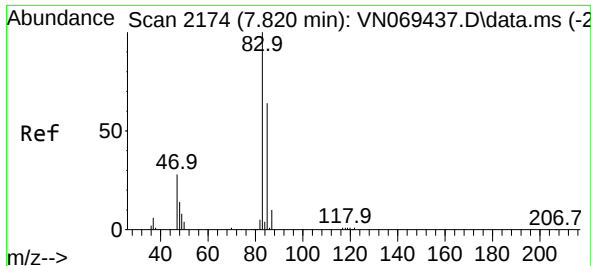
Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 62.1 57.6 86.4



#15
Acetone
Concen: 1.329 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion: 58 Resp: 2864
Ion Ratio Lower Upper
58 100
43 364.5 256.6 384.8

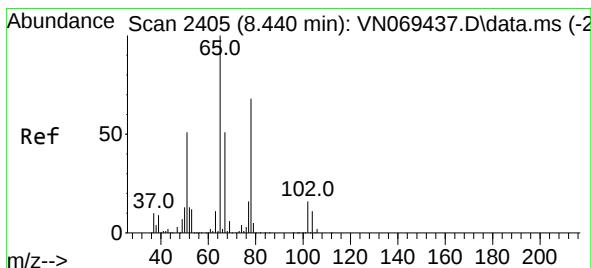
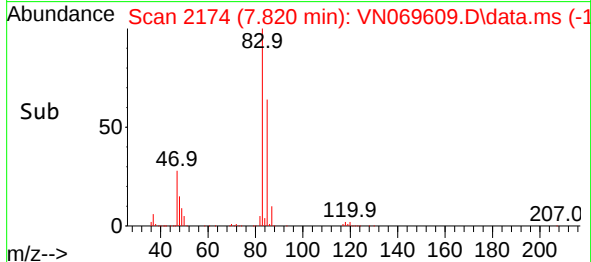
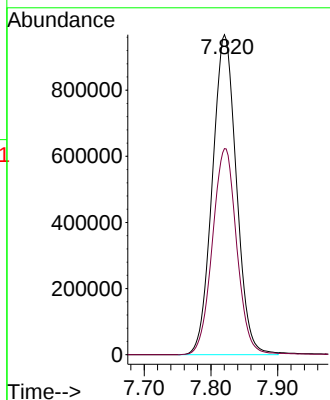
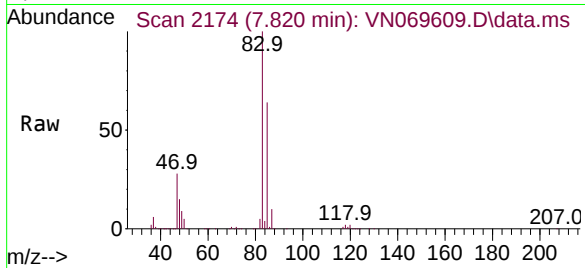




#25
Chloroform
Concen: 123.140 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

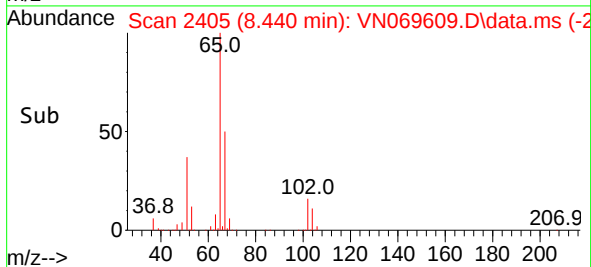
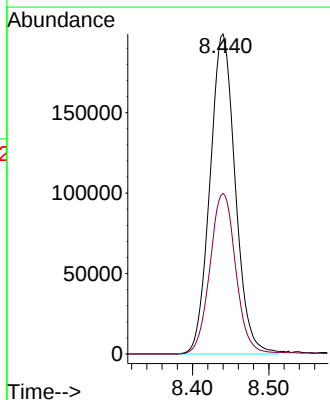
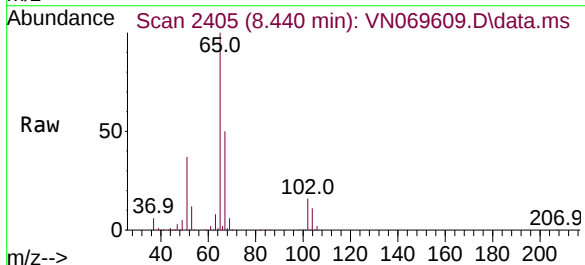
Instrument :
MSVOA_N
ClientSampleId :

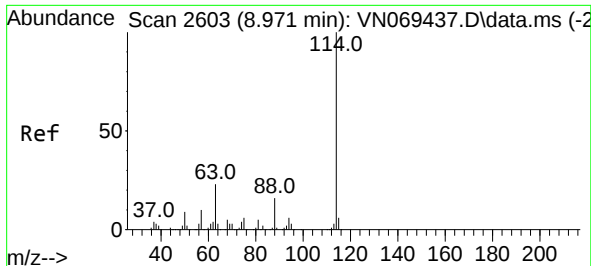
Tgt Ion: 83 Resp: 2421564
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 32.104 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

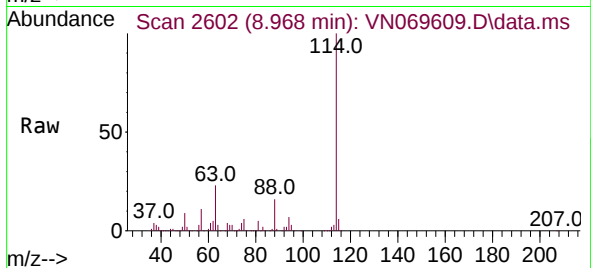
Tgt Ion: 65 Resp: 458636
Ion Ratio Lower Upper
65 100
67 51.1 40.2 60.2



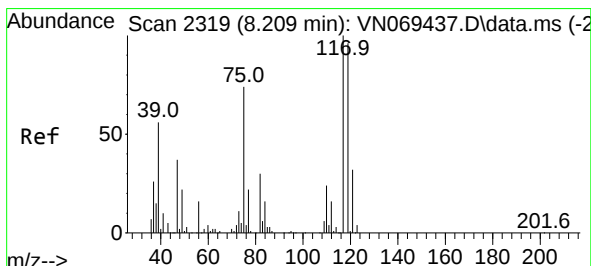
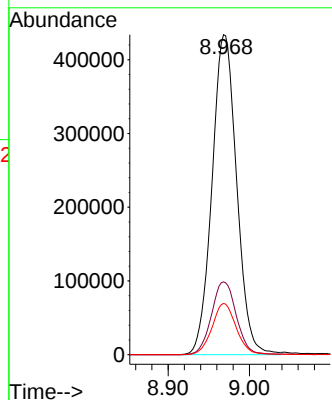
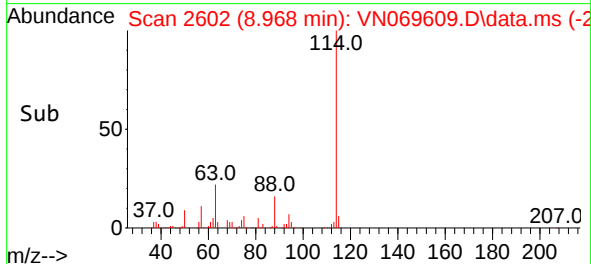


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2173
Delta R.T. -0.002 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Instrument :
MSVOA_N
ClientSampleId :

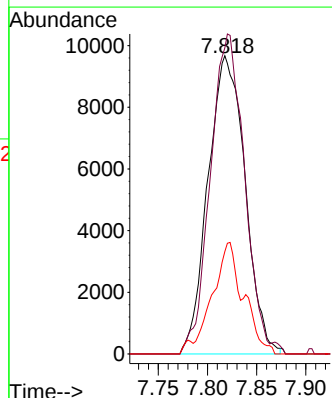
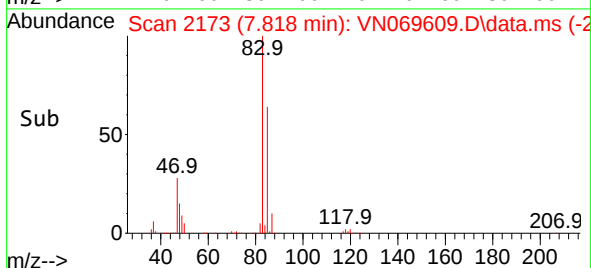
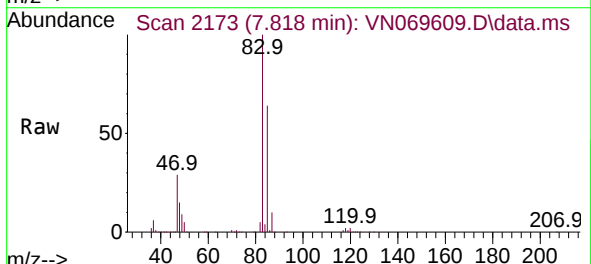


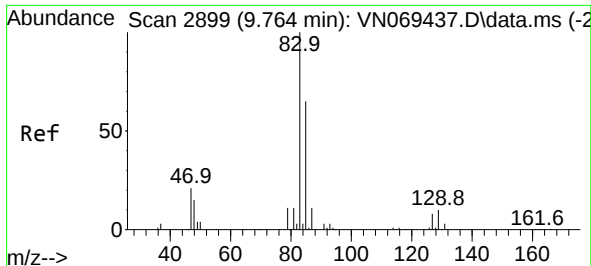
Tgt Ion:114 Resp: 914318
Ion Ratio Lower Upper
114 100
63 23.0 15.8 23.6
88 15.7 11.6 17.4



#33
Carbon Tetrachloride
Concen: 1.883 ug/l
RT: 7.818 min Scan# 2173
Delta R.T. -0.391 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion:117 Resp: 25337
Ion Ratio Lower Upper
117 100
119 102.6 77.5 116.3
121 34.3 23.5 35.3

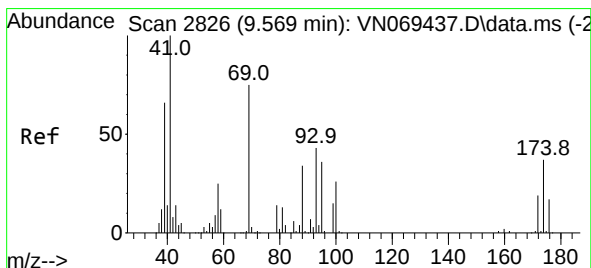
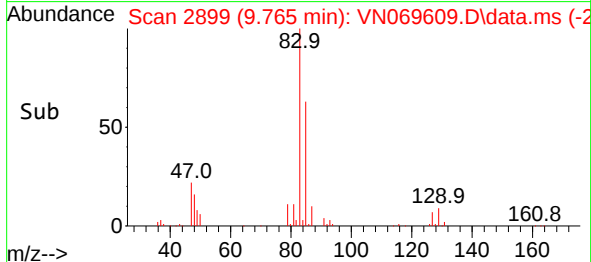
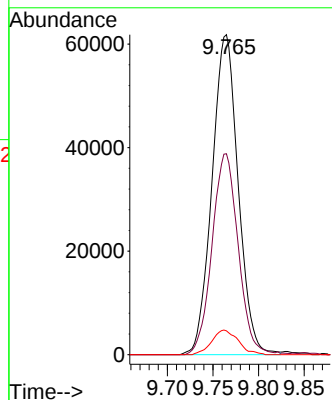
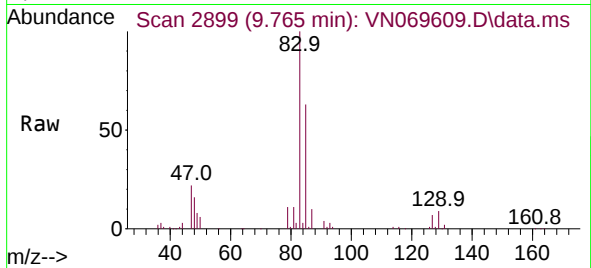




#41
Bromodichloromethane
Concen: 8.733 ug/l
RT: 9.765 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

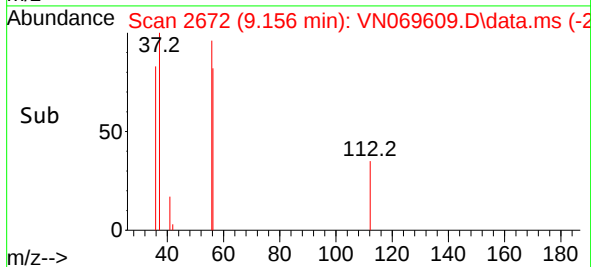
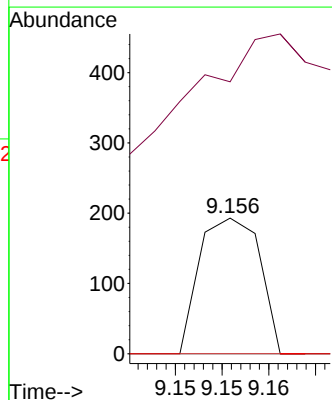
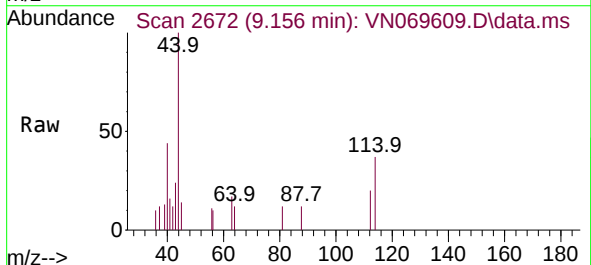
Instrument :
MSVOA_N
ClientSampleId :

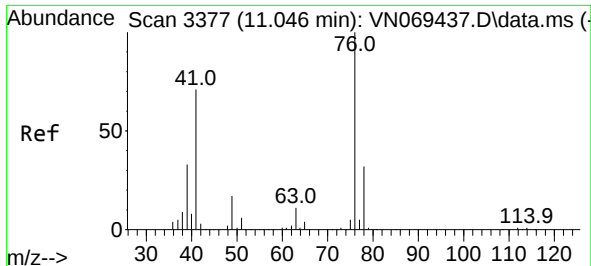
Tgt Ion: 83 Resp: 123409
Ion Ratio Lower Upper
83 100
85 62.8 54.1 81.1
127 7.5 7.6 11.4#



#45
1,4-Dioxane
Concen: 0.363 ug/l
RT: 9.156 min Scan# 2672
Delta R.T. -0.413 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 304.7 25.0 37.6#
58 0.0 49.4 74.2#





#52

1,3-Dichloropropane

Concen: 0.212 ug/l

RT: 10.706 min Scan# 31

Delta R.T. -0.340 min

Lab File: VN069609.D

Acq: 22 Nov 2021 14:55

Instrument :

MSVOA_N

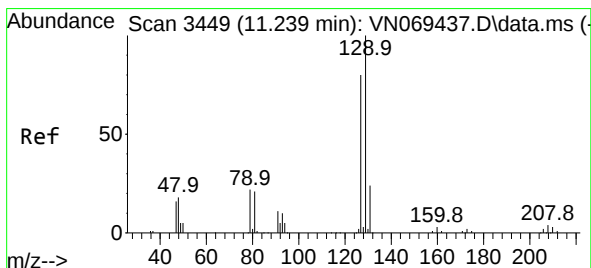
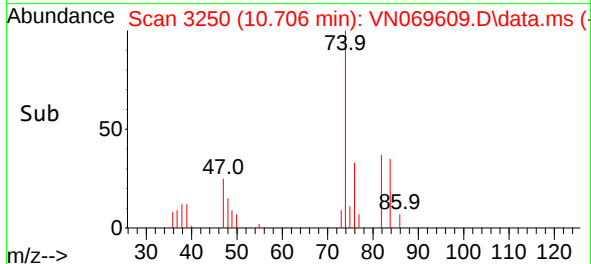
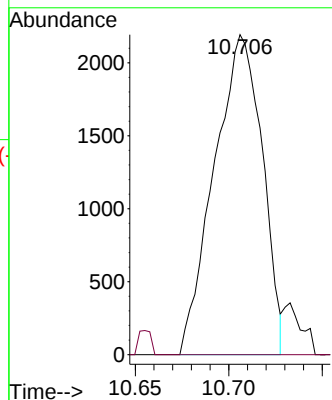
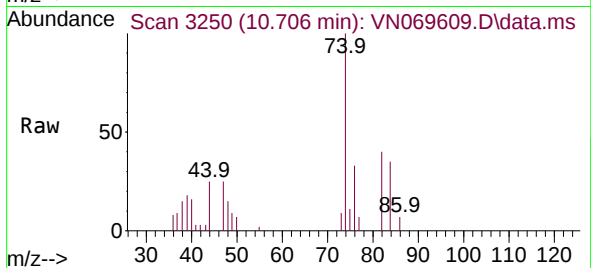
ClientSampleId :

Tgt Ion: 76 Resp: 3923

Ion Ratio Lower Upper

76 100

78 2.0 0.0 65.4



#53

Dibromochloromethane

Concen: 0.338 ug/l

RT: 11.232 min Scan# 3446

Delta R.T. -0.008 min

Lab File: VN069609.D

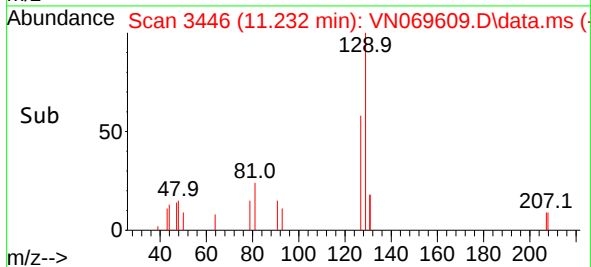
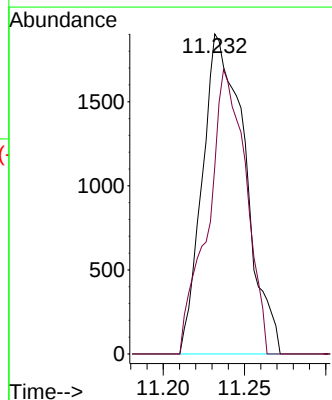
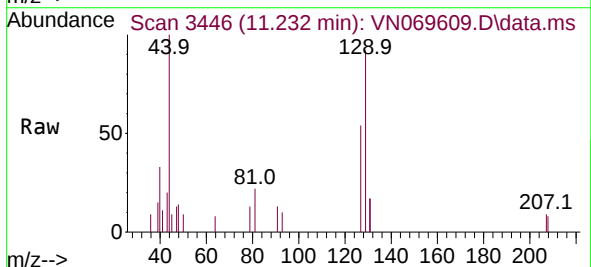
Acq: 22 Nov 2021 14:55

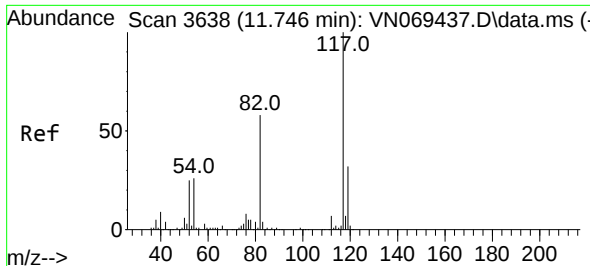
Tgt Ion: 129 Resp: 3453

Ion Ratio Lower Upper

129 100

127 79.5 39.0 117.0

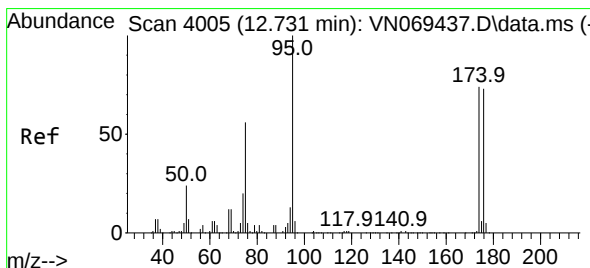
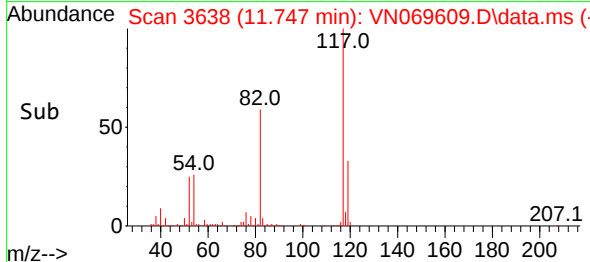
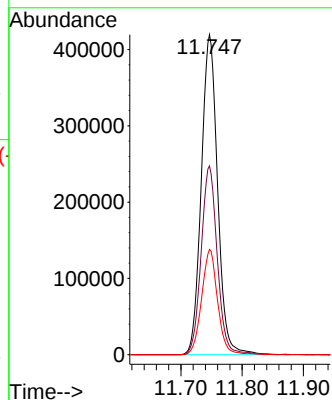
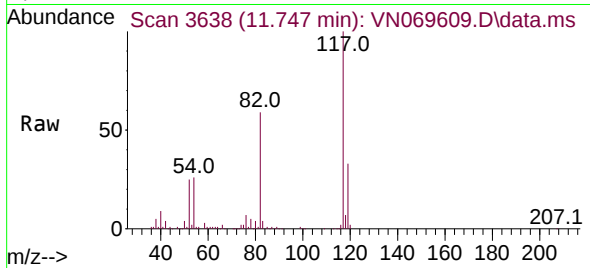




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

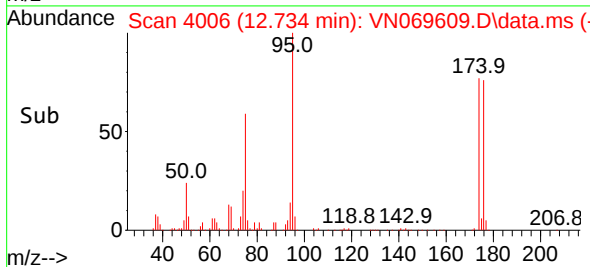
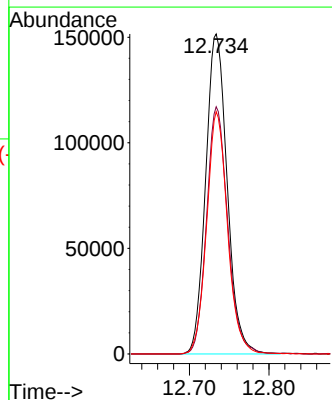
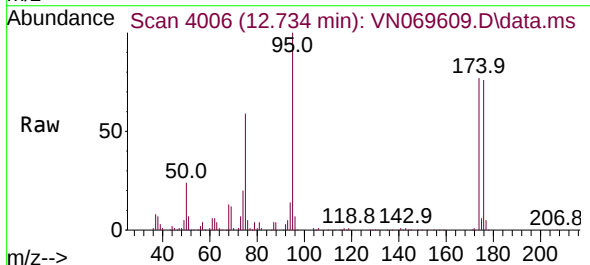
Instrument :
MSVOA_N
ClientSampleId :

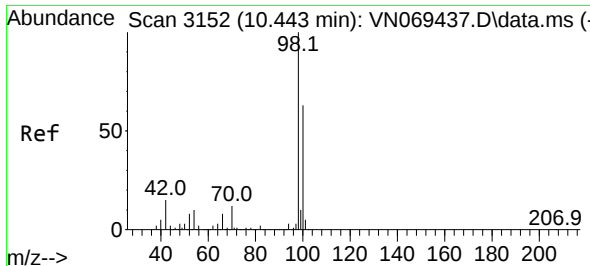
Tgt Ion:117 Resp: 776187
Ion Ratio Lower Upper
117 100
82 58.4 43.6 65.4
119 32.0 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 22.952 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion: 95 Resp: 285085
Ion Ratio Lower Upper
95 100
174 76.1 62.9 94.3
176 73.3 61.0 91.4

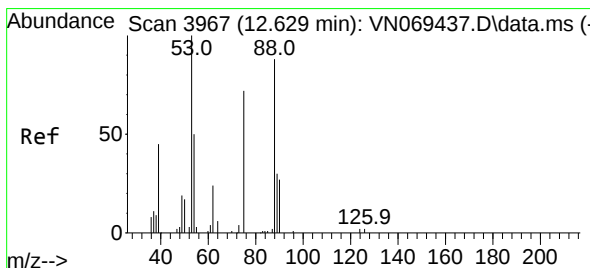
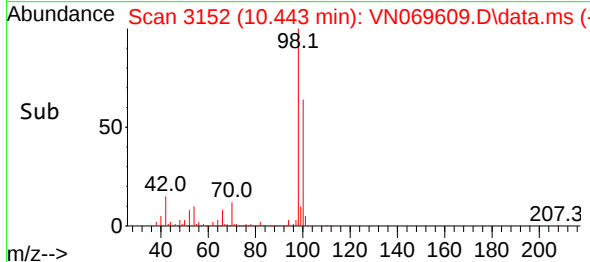
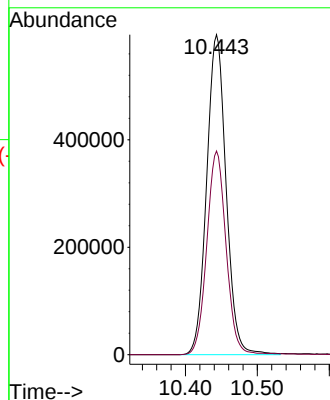
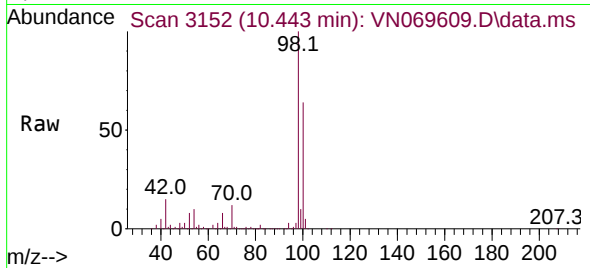




#63
Toluene-d8
Concen: 31.292 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1121459
Ion Ratio Lower Upper
98 100
100 62.8 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.294 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069609.D
Acq: 22 Nov 2021 14:55

Tgt Ion: 75 Resp: 164526
Ion Ratio Lower Upper
75 100
53 0.2 51.8 155.5#
89 0.0 22.9 68.7#

