

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069618.D
 Acq On : 22 Nov 2021 18:45
 Operator : JC/MD
 Sample : M4806-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:54:22 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)

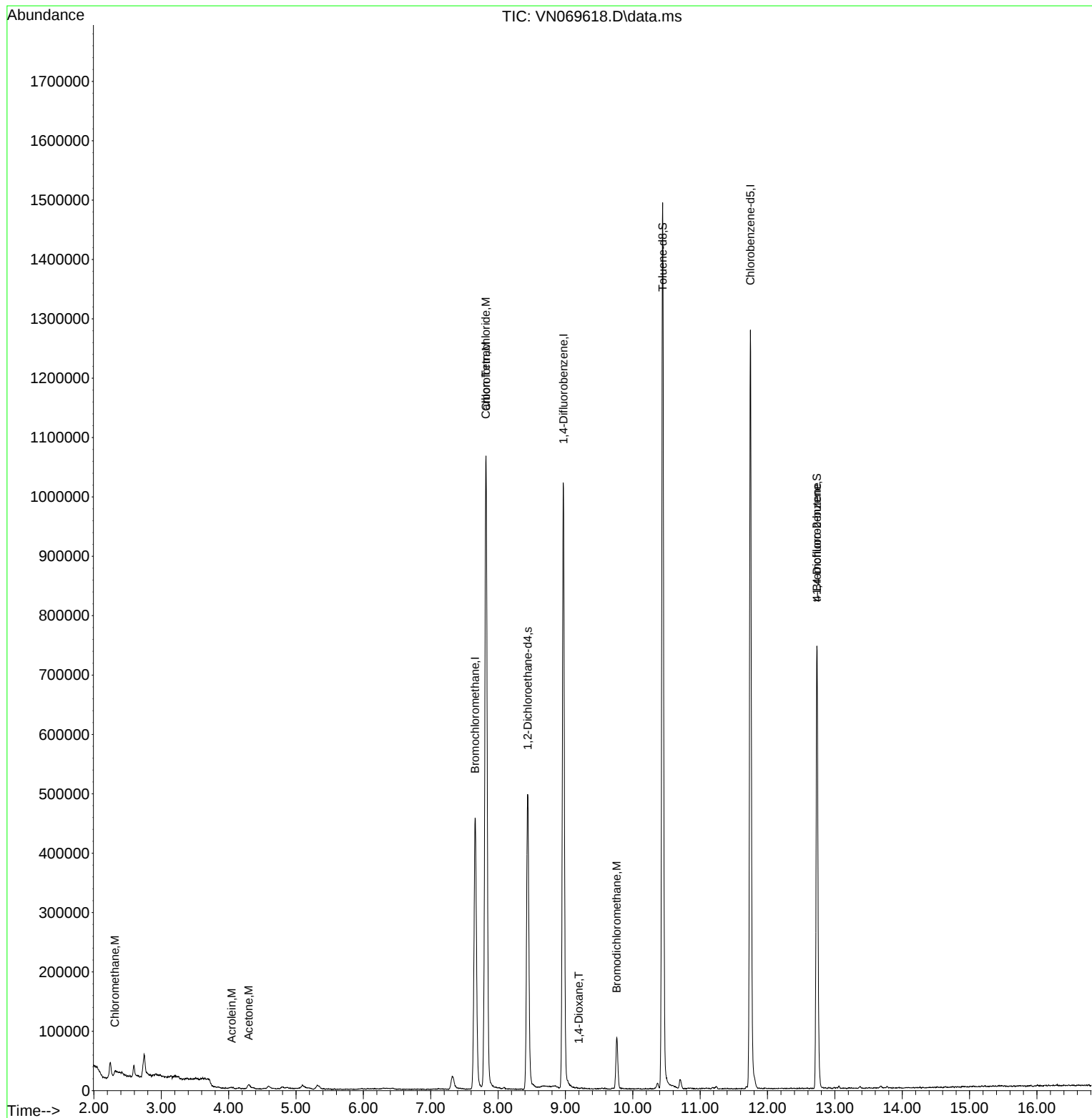
Internal Standards						
1) Bromochloromethane	7.659	128	157599	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	862641	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	725954	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	438458	32.079	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.933%	
60) 4-Bromofluorobenzene	12.734	95	271774	23.394	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 77.967%	
63) Toluene-d8	10.443	98	1036632	30.926	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	3043	0.251	ug/l	# 87
13) Acrolein	4.044	56	987	1.583	ug/l	88
15) Acetone	4.296	58	1237	0.600	ug/l	84
25) Chloroform	7.820	83	1031190	54.808	ug/l	99
33) Carbon Tetrachloride	7.818	117	10435	0.822	ug/l	92
41) Bromodichloromethane	9.762	83	56998	4.275	ug/l	96
45) 1,4-Dioxane	9.199	88	51	0.228	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.734	75	155302	41.676	ug/l	# 8

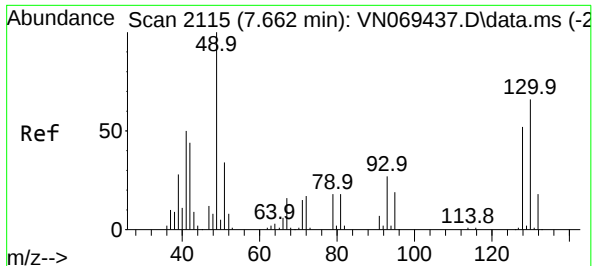
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:54:22 2021
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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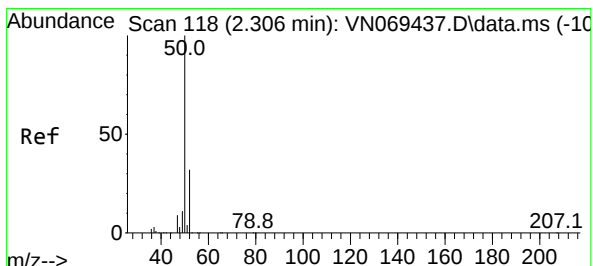
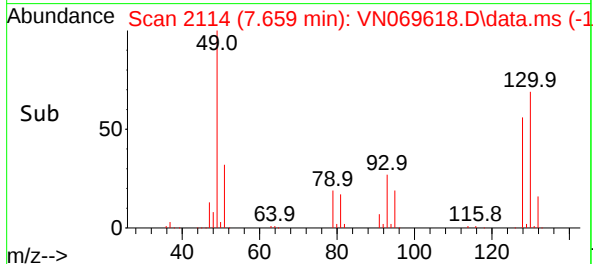
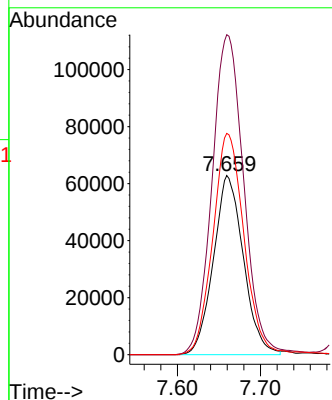
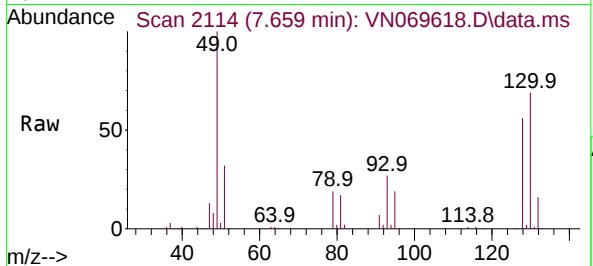




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

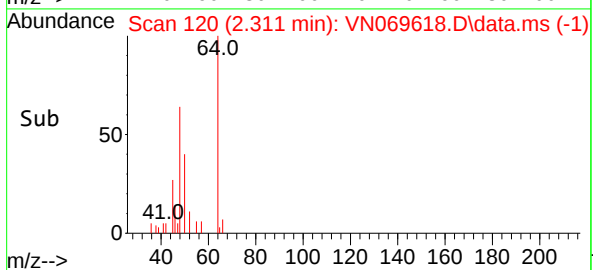
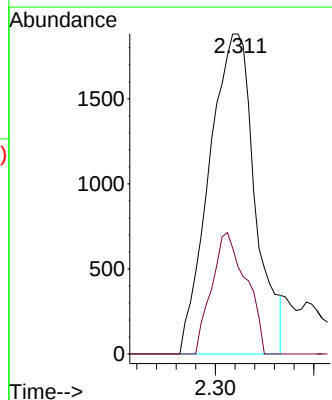
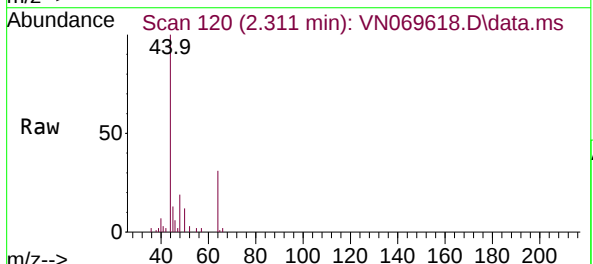
Instrument :
MSVOA_N
ClientSampleId :

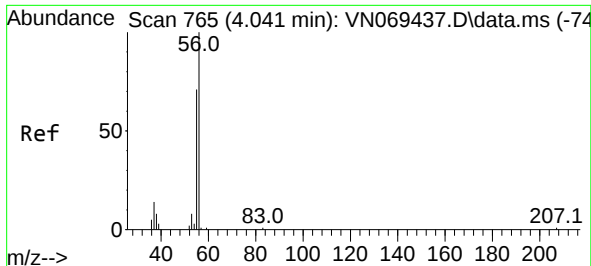
Tgt Ion:128 Resp: 157599
Ion Ratio Lower Upper
128 100
49 189.3 0.0 392.3
130 127.6 0.0 320.2



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.008 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

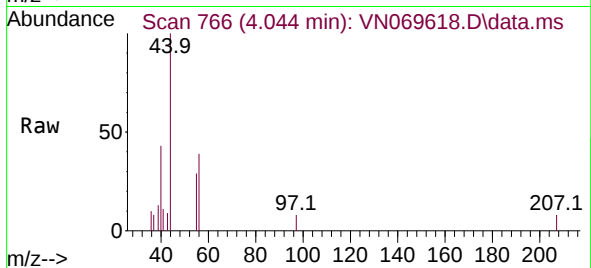
Tgt Ion: 50 Resp: 3043
Ion Ratio Lower Upper
50 100
52 27.3 27.8 41.6#



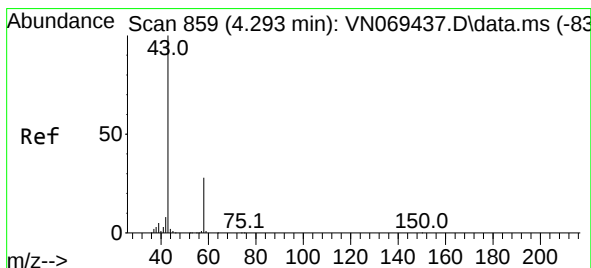
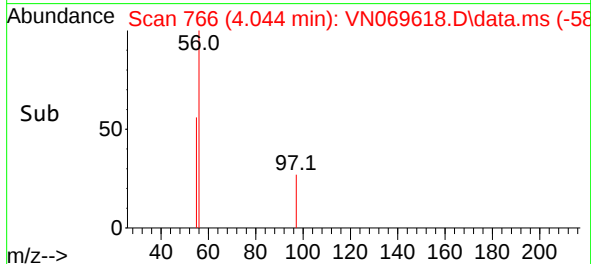
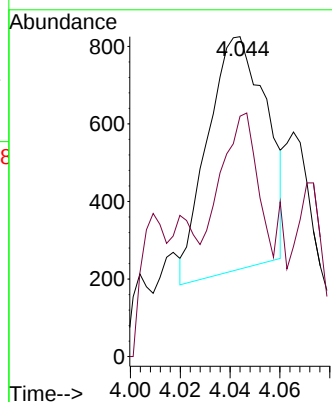


#13
Acrolein
Concen: 1.583 ug/l
RT: 4.044 min Scan# 765
Delta R.T. -0.002 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Instrument :
MSVOA_N
ClientSampleId :

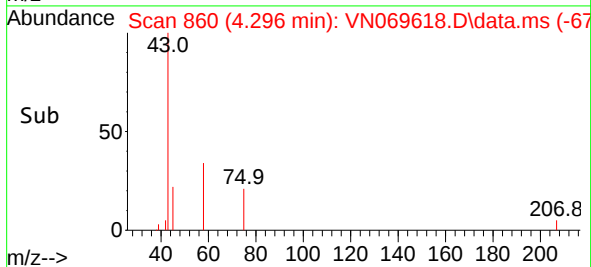
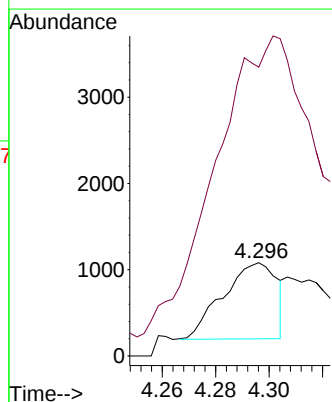
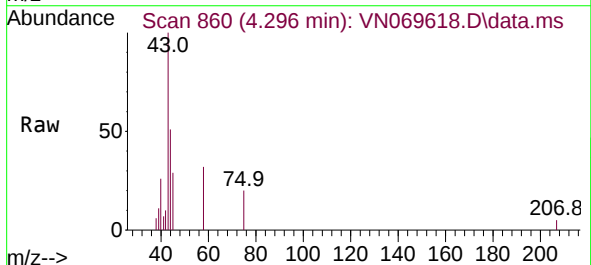


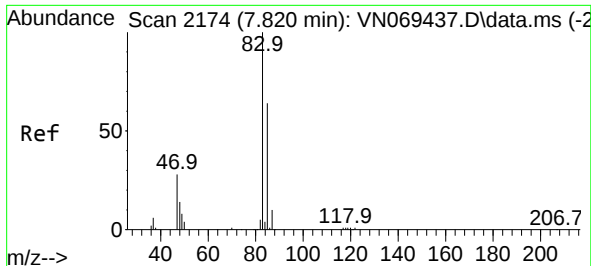
Tgt Ion: 56 Resp: 987
Ion Ratio Lower Upper
56 100
55 82.0 57.6 86.4



#15
Acetone
Concen: 0.600 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Tgt Ion: 58 Resp: 1237
Ion Ratio Lower Upper
58 100
43 287.6 256.6 384.8

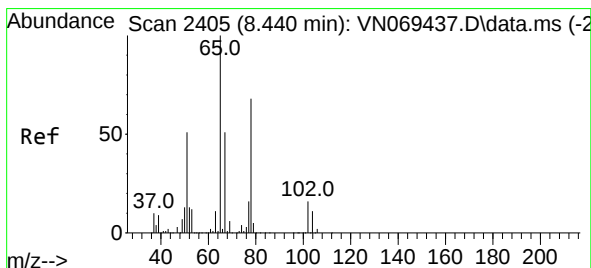
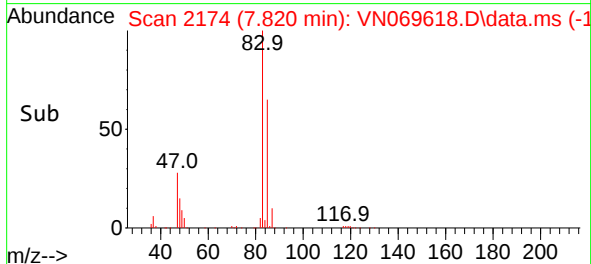
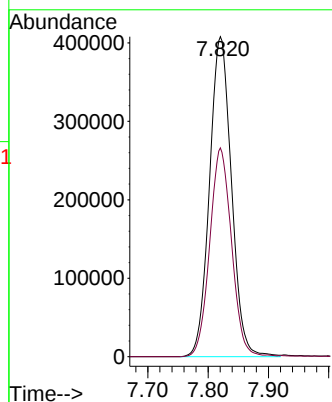
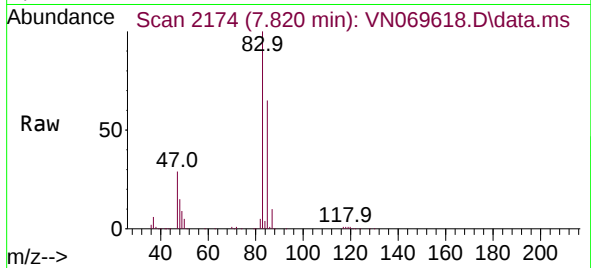




#25
Chloroform
Concen: 54.808 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

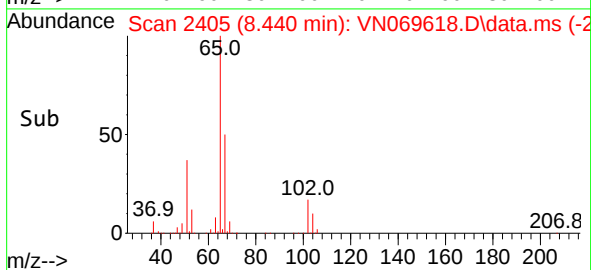
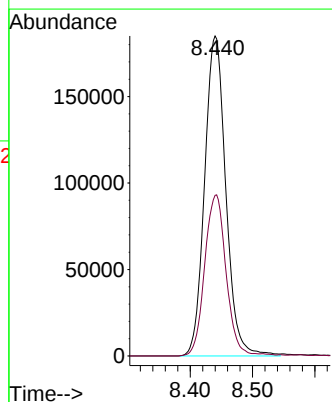
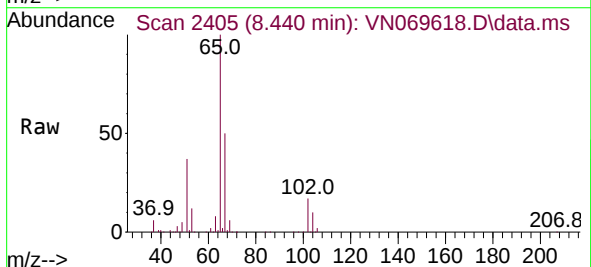
Instrument :
MSVOA_N
ClientSampleId :

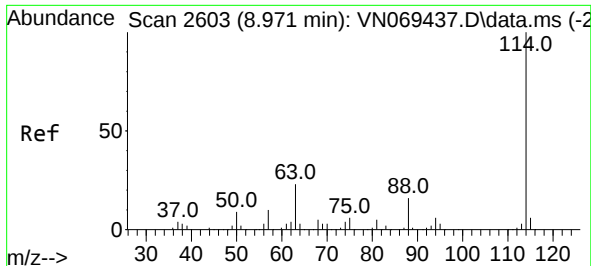
Tgt Ion: 83 Resp: 1031190
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 32.079 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Tgt Ion: 65 Resp: 438458
Ion Ratio Lower Upper
65 100
67 50.5 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN069618.D

Acq: 22 Nov 2021 18:45

Instrument :

MSVOA_N

ClientSampleId :

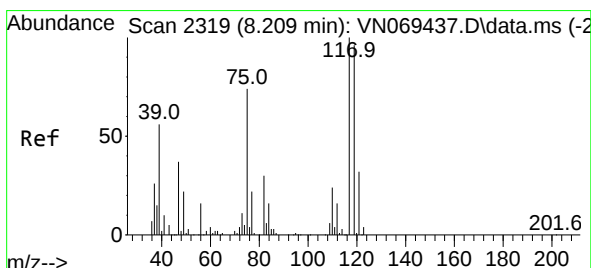
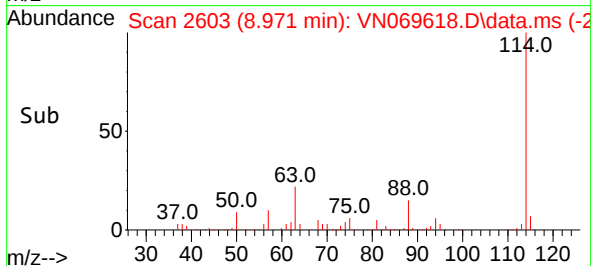
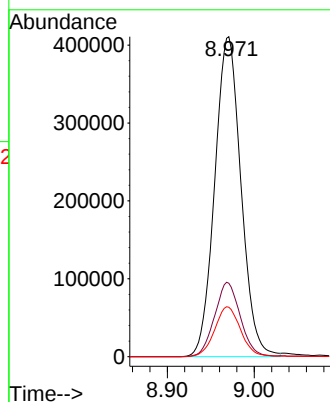
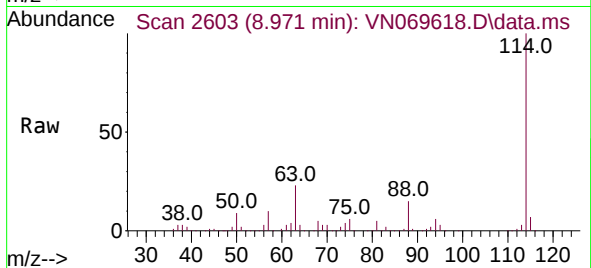
Tgt Ion:114 Resp: 862641

Ion Ratio Lower Upper

114 100

63 22.7 15.8 23.6

88 15.4 11.6 17.4



#33

Carbon Tetrachloride

Concen: 0.822 ug/l

RT: 7.818 min Scan# 2173

Delta R.T. -0.391 min

Lab File: VN069618.D

Acq: 22 Nov 2021 18:45

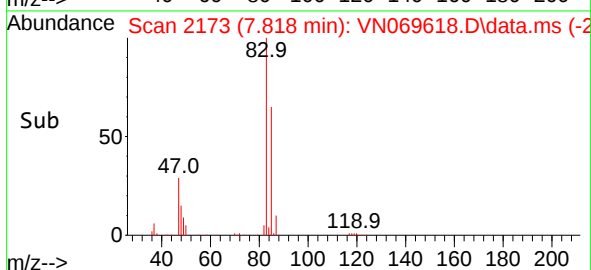
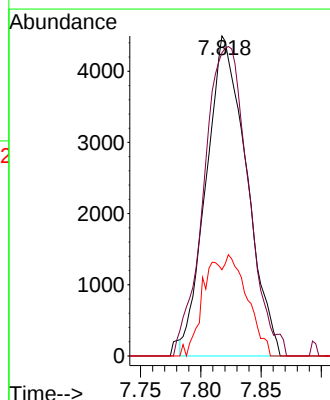
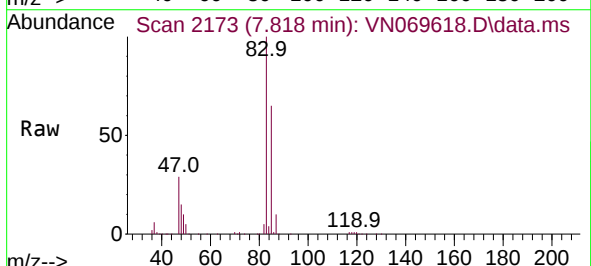
Tgt Ion:117 Resp: 10435

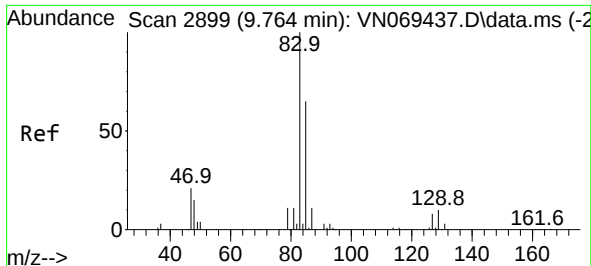
Ion Ratio Lower Upper

117 100

119 88.0 77.5 116.3

121 27.0 23.5 35.3

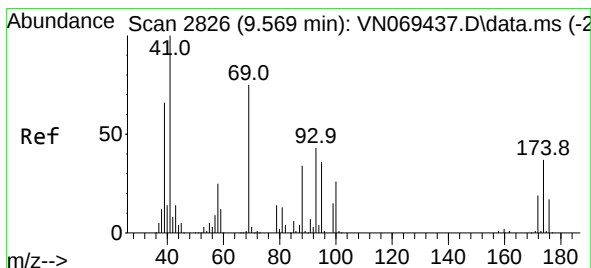
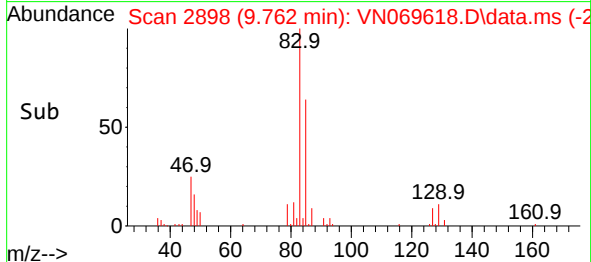
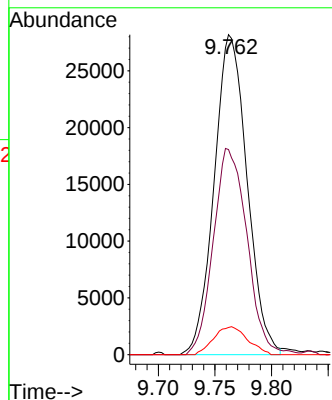
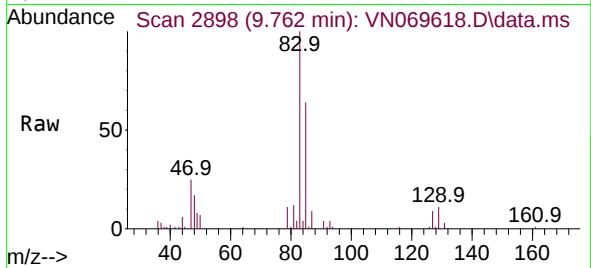




#41
Bromodichloromethane
Concen: 4.275 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

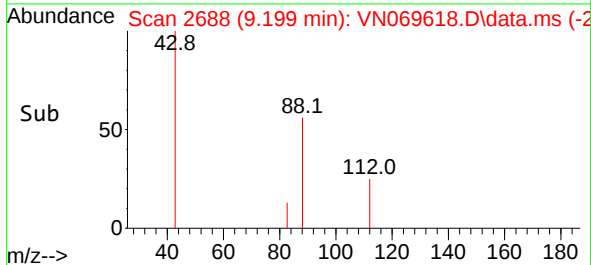
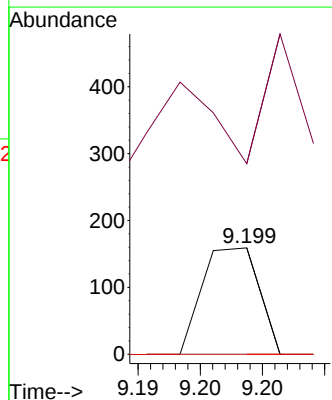
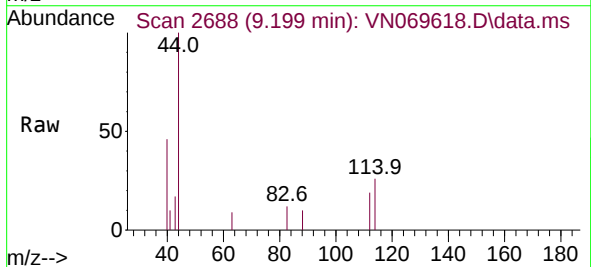
Instrument :
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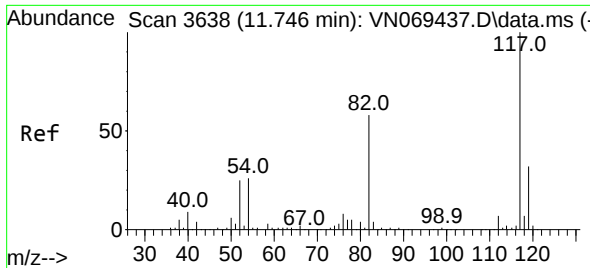
Tgt Ion: 83 Resp: 56998
Ion Ratio Lower Upper
83 100
85 64.1 54.1 81.1
127 8.5 7.6 11.4



#45
1,4-Dioxane
Concen: 0.228 ug/l
RT: 9.199 min Scan# 2688
Delta R.T. -0.370 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 407.8 25.0 37.6#
58 0.0 49.4 74.2#

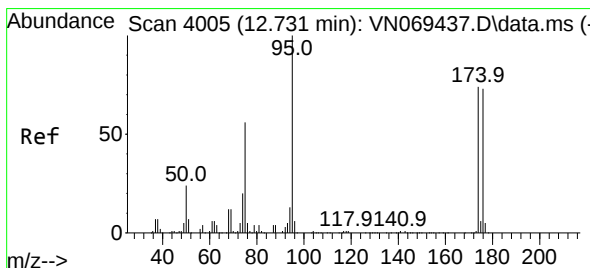
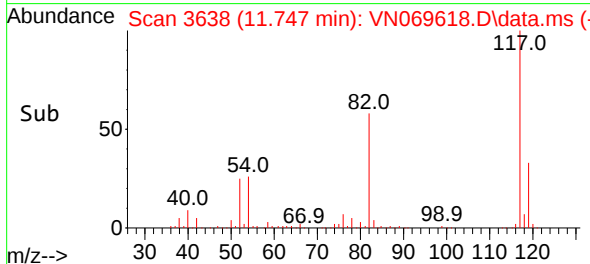
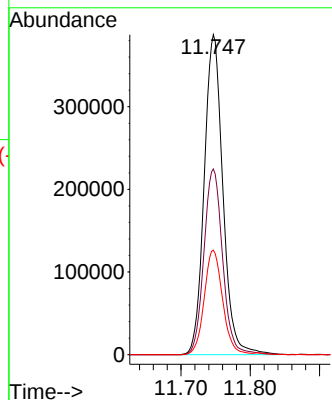
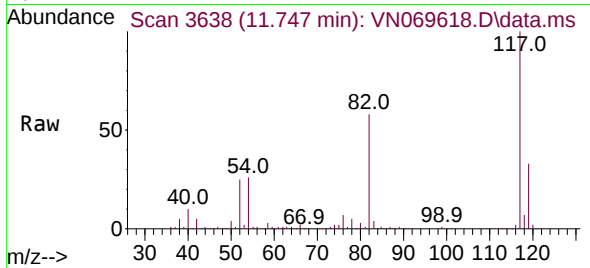




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

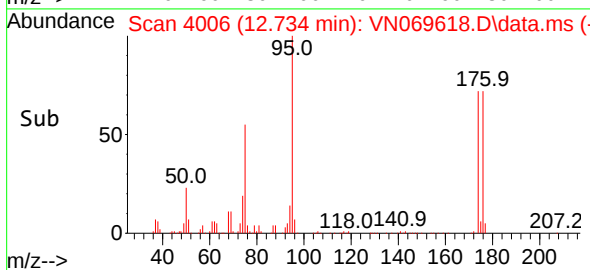
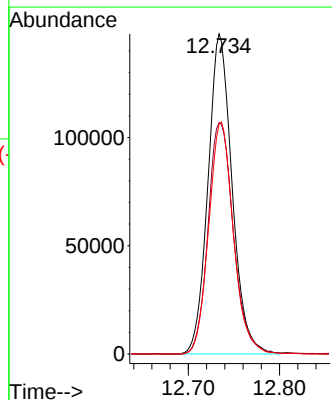
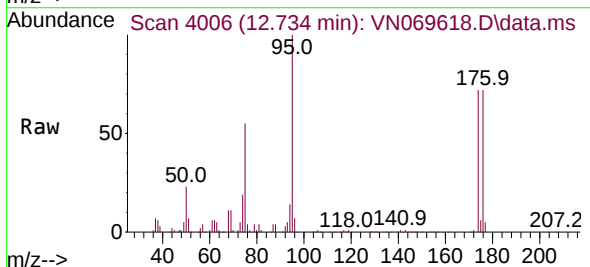
Instrument :
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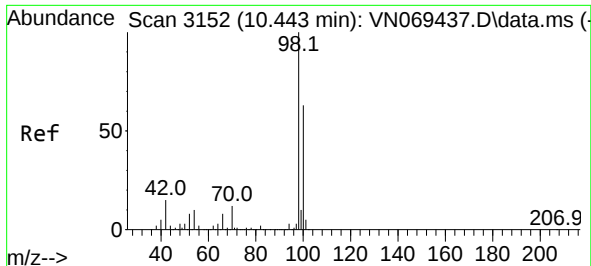
Tgt Ion:117 Resp: 725954
Ion Ratio Lower Upper
117 100
82 58.3 43.6 65.4
119 32.2 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.394 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Tgt Ion: 95 Resp: 271774
Ion Ratio Lower Upper
95 100
174 75.7 62.9 94.3
176 74.2 61.0 91.4

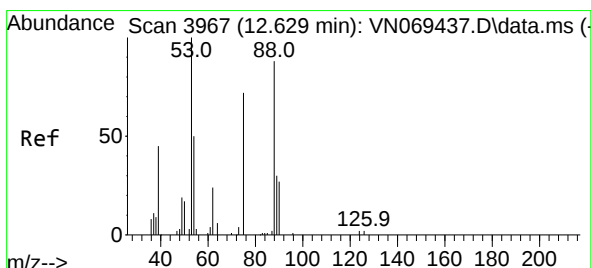
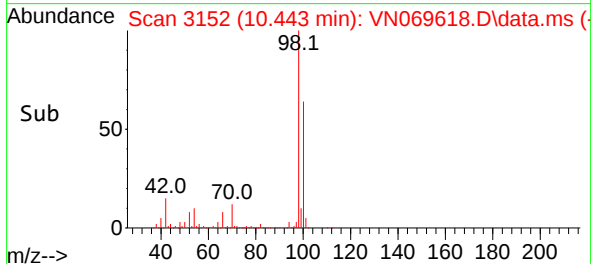
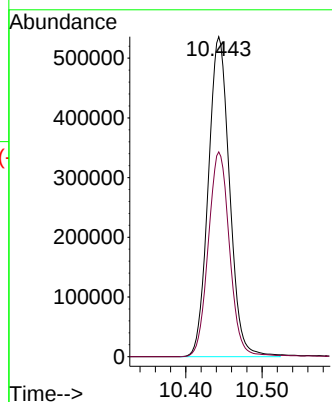
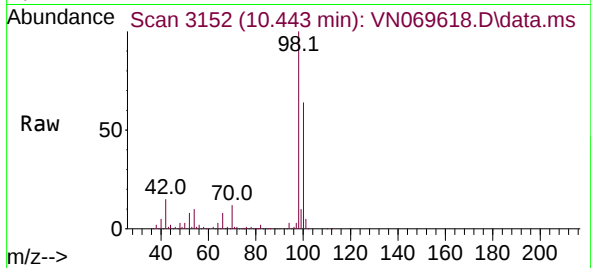




#63
Toluene-d8
Concen: 30.926 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1036632
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.676 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069618.D
Acq: 22 Nov 2021 18:45

Tgt Ion: 75 Resp: 155302
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

