

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069616.D
 Acq On : 22 Nov 2021 17:54
 Operator : JC/MD
 Sample : M4806-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:53:50 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)

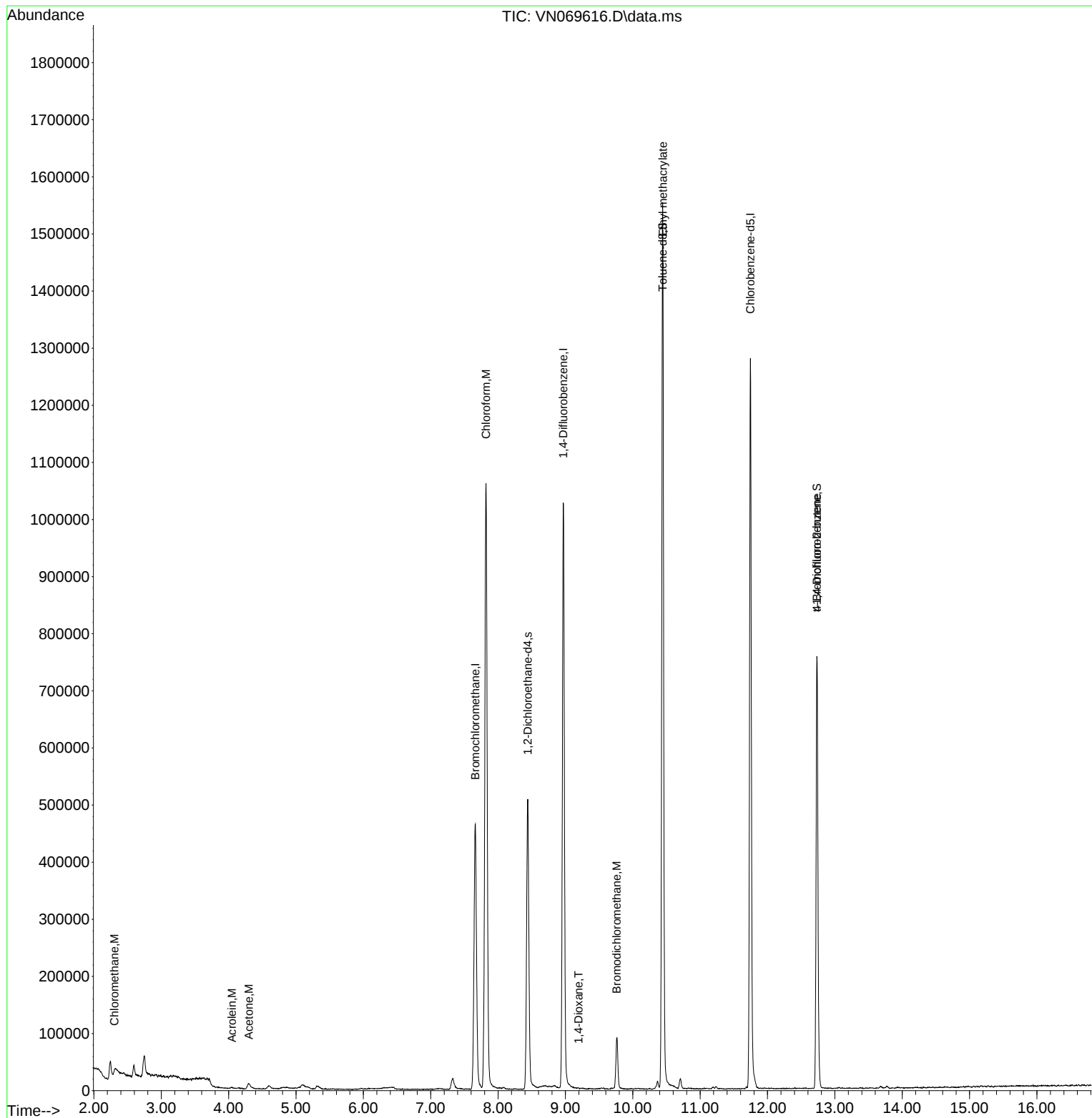
Internal Standards						
1) Bromochloromethane	7.662	128	160400	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	865178	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	743825	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	437969	31.483	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.933%	
60) 4-Bromofluorobenzene	12.733	95	275270	23.126	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 77.100%	
63) Toluene-d8	10.443	98	1067163	31.072	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.567%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	2943	0.238	ug/l	# 78
13) Acrolein	4.047	56	942	1.484	ug/l	89
15) Acetone	4.299	58	2082	0.992	ug/l	91
25) Chloroform	7.820	83	1016173	53.067	ug/l	97
41) Bromodichloromethane	9.762	83	33934	2.538	ug/l	99
45) 1,4-Dioxane	9.196	88	58	0.259	ug/l	# 1
51) Ethyl methacrylate	10.448	69	4847	0.286	ug/l	82
77) t-1,4-Dichloro-2-butene	12.733	75	158375	41.480	ug/l	# 8

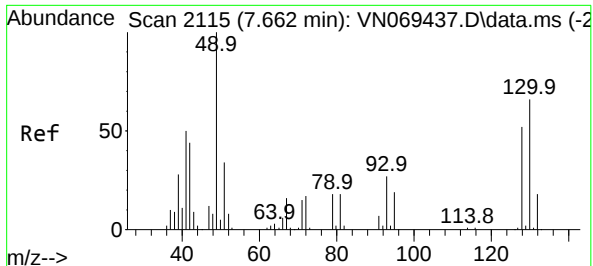
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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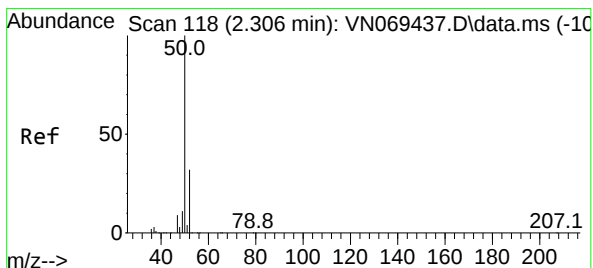
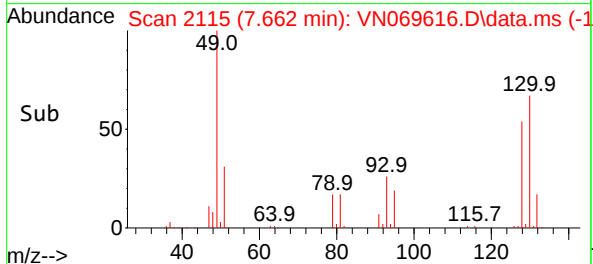
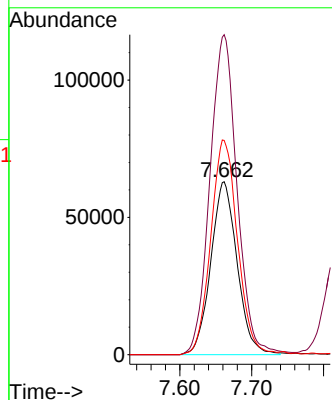
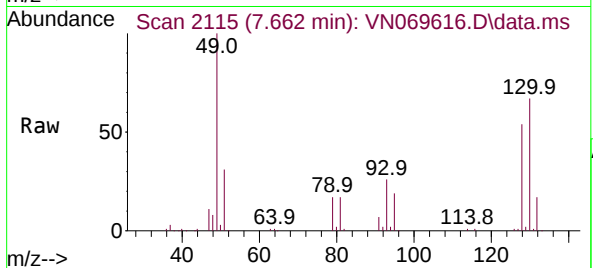




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

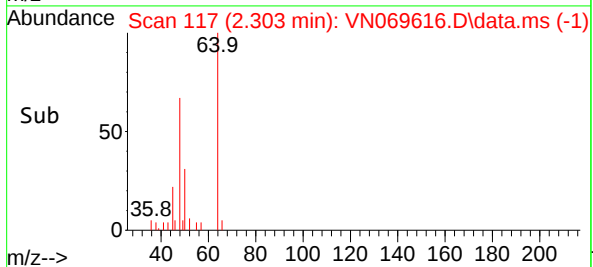
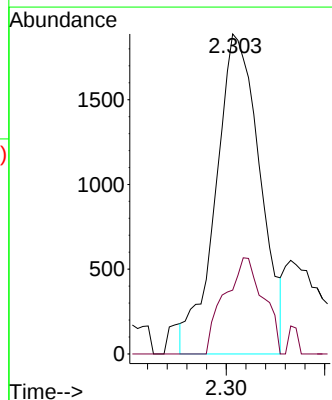
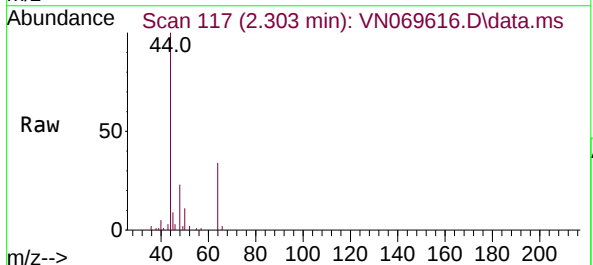
Instrument :
MSVOA_N
ClientSampleId :

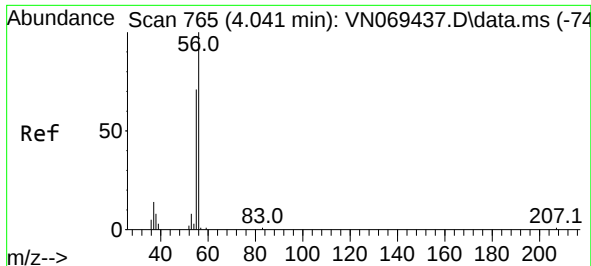
Tgt Ion:128 Resp: 160400
Ion Ratio Lower Upper
128 100
49 190.1 0.0 392.3
130 125.6 0.0 320.2



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

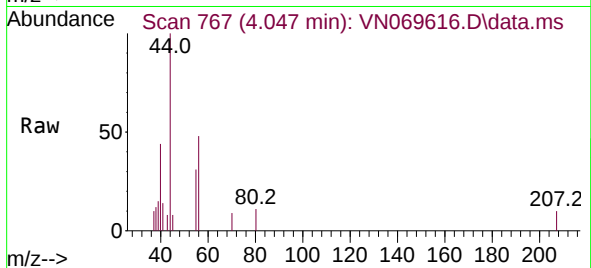
Tgt Ion: 50 Resp: 2943
Ion Ratio Lower Upper
50 100
52 22.0 27.8 41.6#



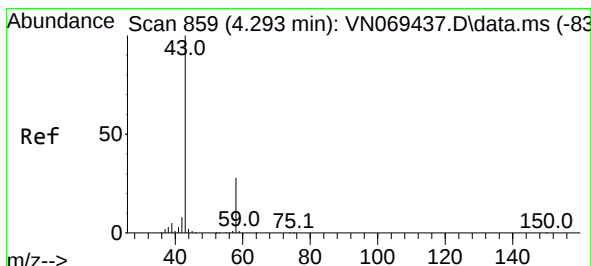
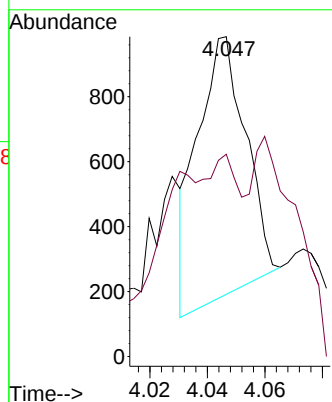
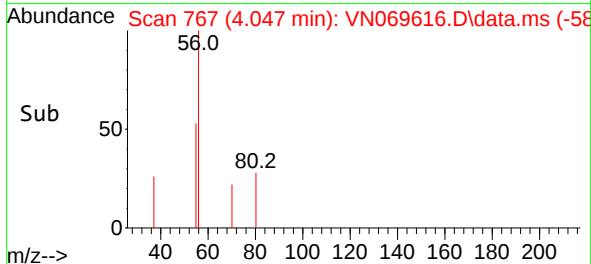


#13
Acrolein
Concen: 1.484 ug/l
RT: 4.047 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Instrument :
MSVOA_N
ClientSampleId :

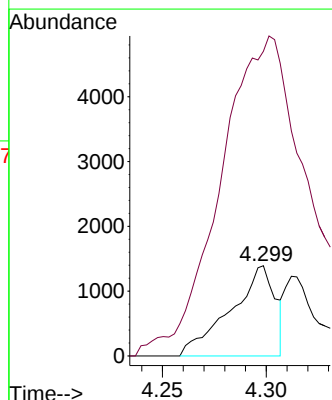
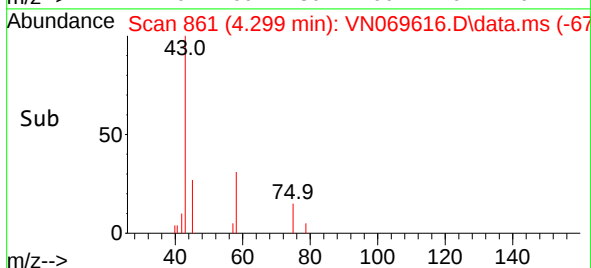
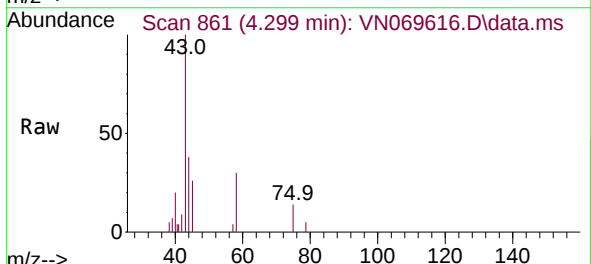


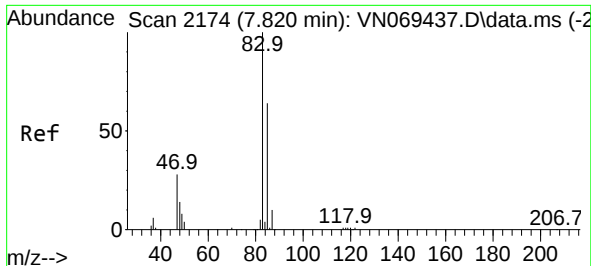
Tgt Ion: 56 Resp: 942
Ion Ratio Lower Upper
56 100
55 81.1 57.6 86.4



#15
Acetone
Concen: 0.992 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 58 Resp: 2082
Ion Ratio Lower Upper
58 100
43 301.9 256.6 384.8

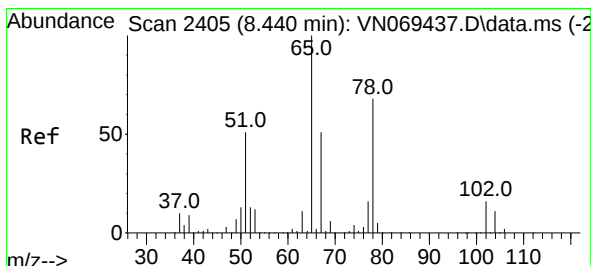
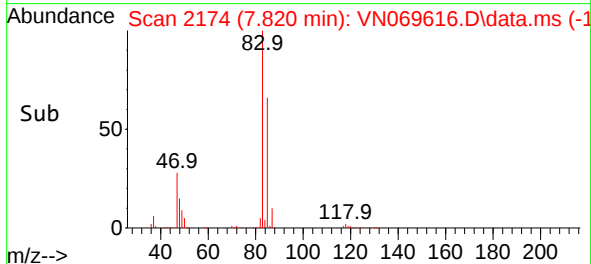
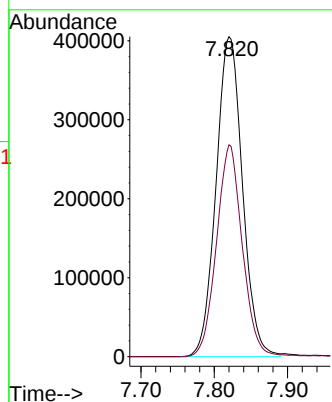
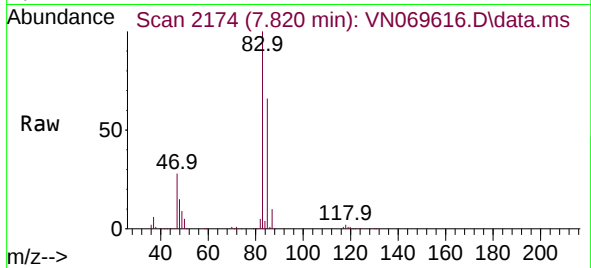




#25
Chloroform
Concen: 53.067 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

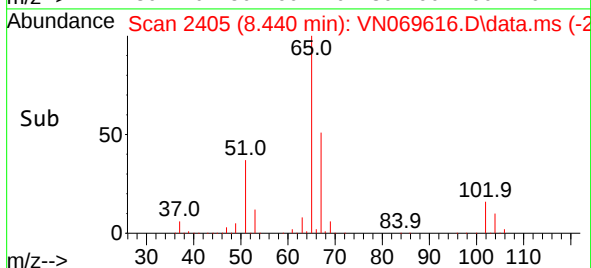
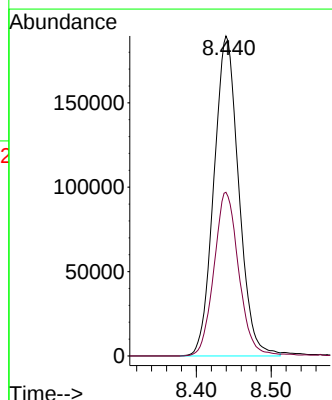
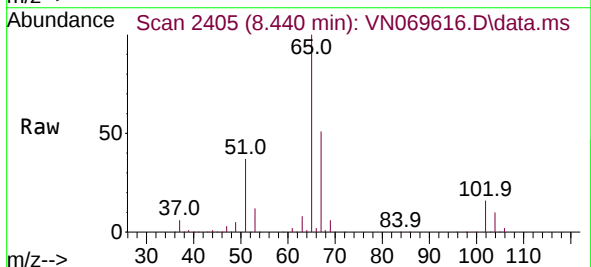
Instrument :
MSVOA_N
ClientSampleId :

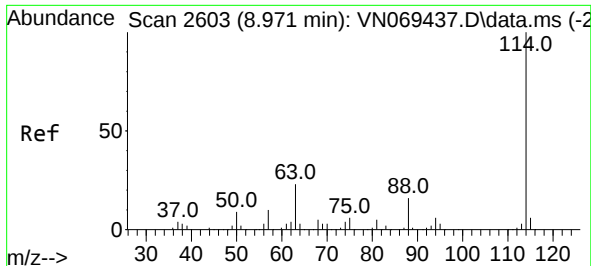
Tgt Ion: 83 Resp: 1016173
Ion Ratio Lower Upper
83 100
85 66.2 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.483 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 65 Resp: 437969
Ion Ratio Lower Upper
65 100
67 50.8 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN069616.D

Acq: 22 Nov 2021 17:54

Instrument :

MSVOA_N

ClientSampleId :

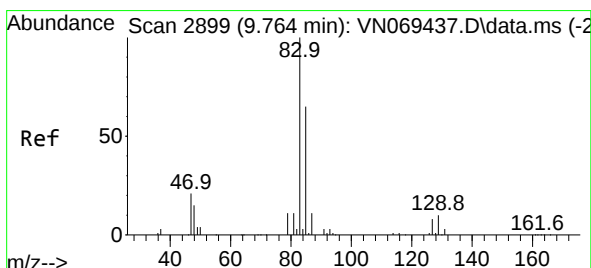
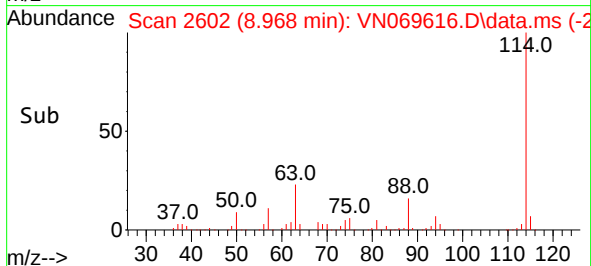
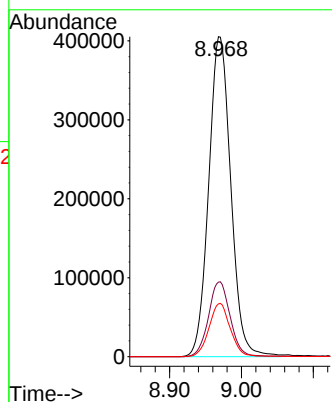
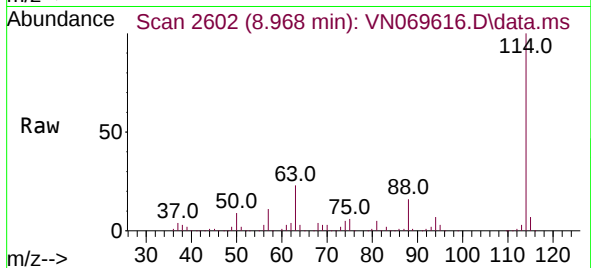
Tgt Ion:114 Resp: 865178

Ion Ratio Lower Upper

114 100

63 23.0 15.8 23.6

88 16.0 11.6 17.4



#41

Bromodichloromethane

Concen: 2.538 ug/l

RT: 9.762 min Scan# 2898

Delta R.T. -0.003 min

Lab File: VN069616.D

Acq: 22 Nov 2021 17:54

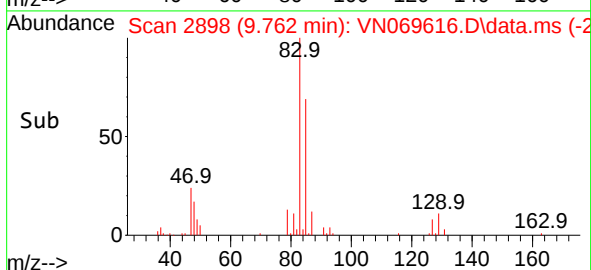
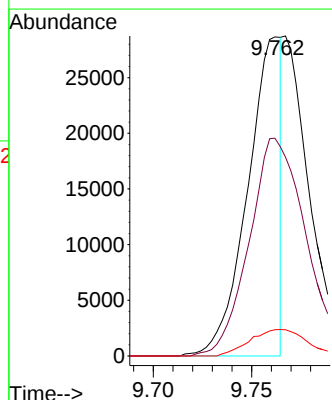
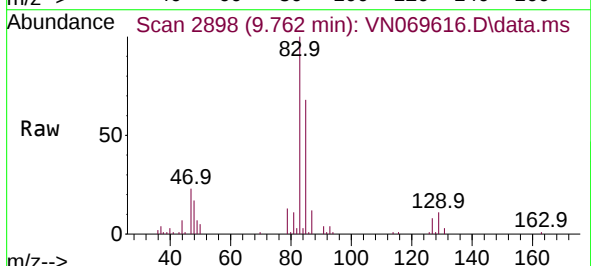
Tgt Ion: 83 Resp: 33934

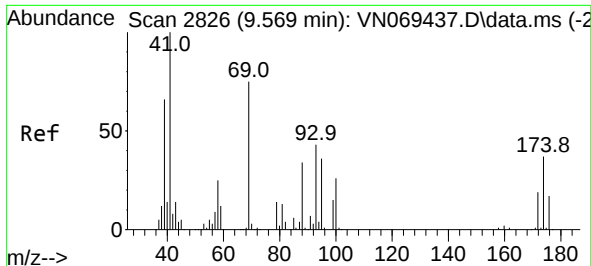
Ion Ratio Lower Upper

83 100

85 68.3 54.1 81.1

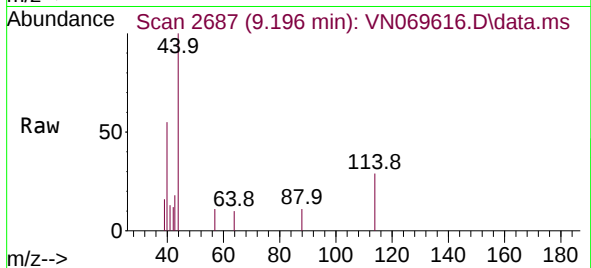
127 8.2 7.6 11.4



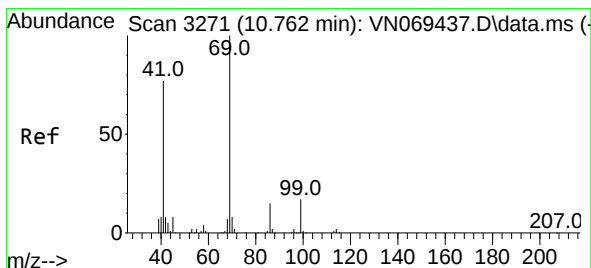
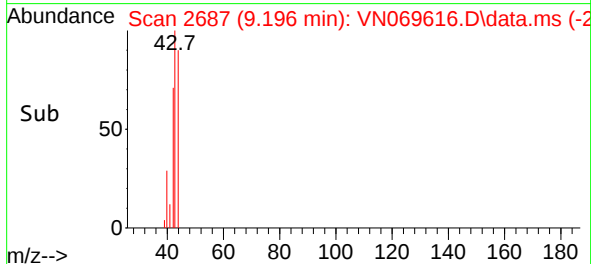
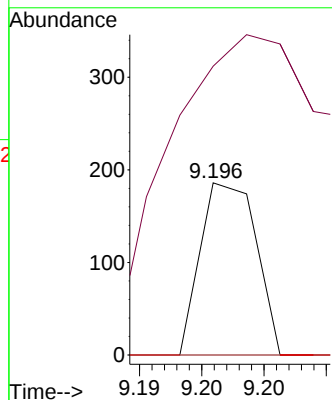


#45
1,4-Dioxane
Concen: 0.259 ug/l
RT: 9.196 min Scan# 21
Delta R.T. -0.373 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Instrument :
MSVOA_N
ClientSampleId :

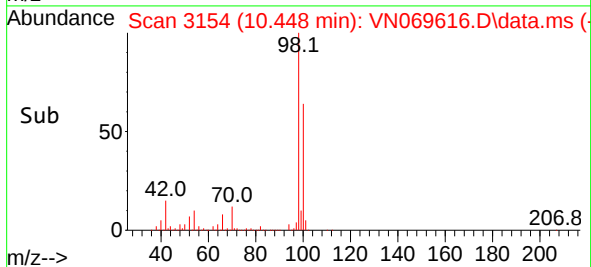
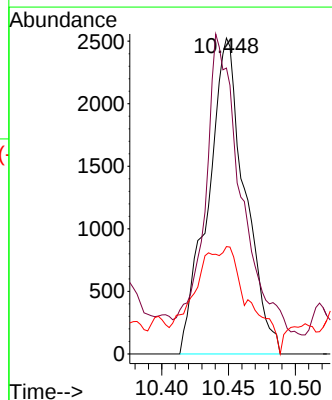
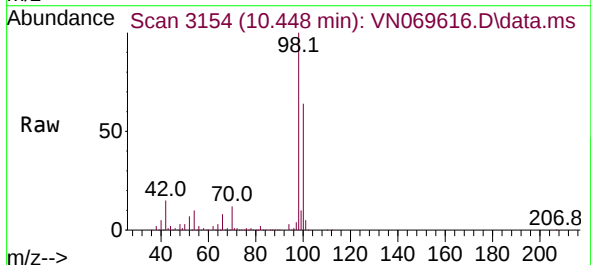


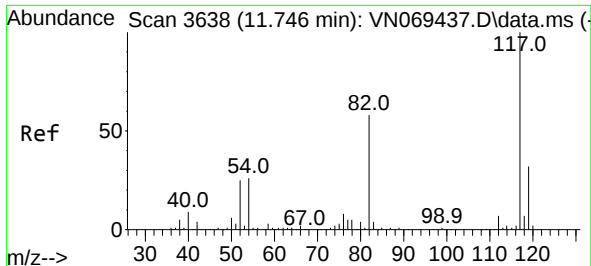
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 539.7 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.286 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.314 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 69 Resp: 4847
Ion Ratio Lower Upper
69 100
41 76.7 33.0 98.9
39 34.0 25.4 76.4

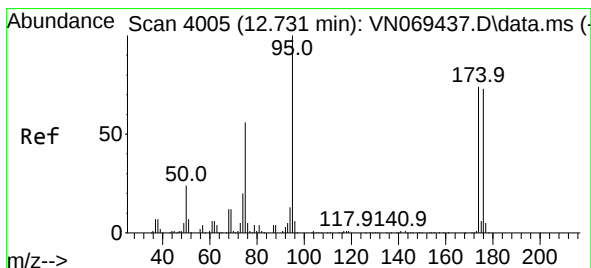
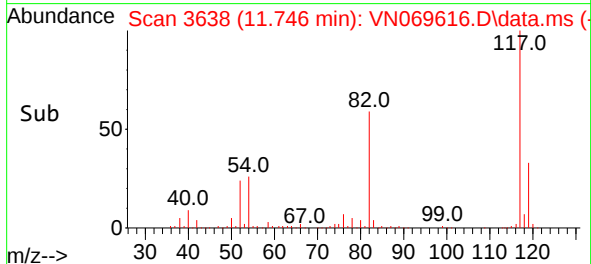
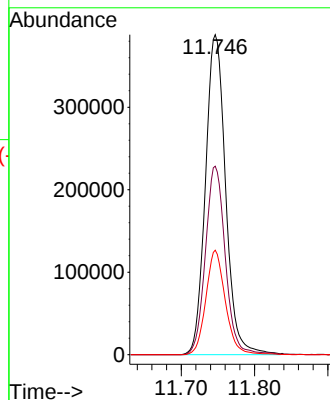
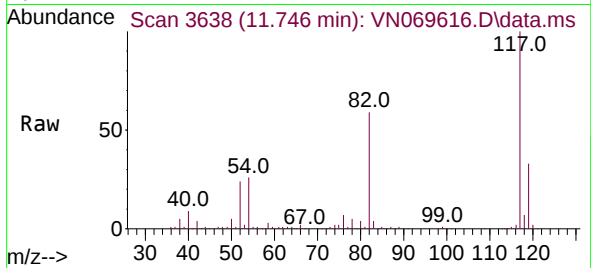




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

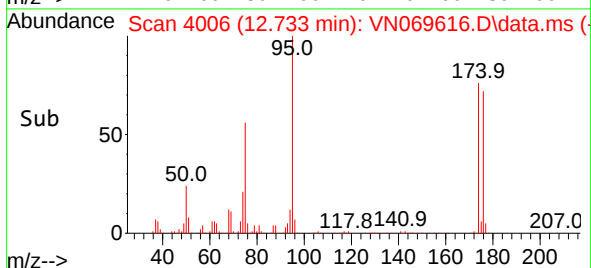
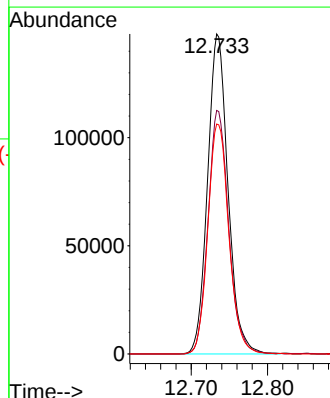
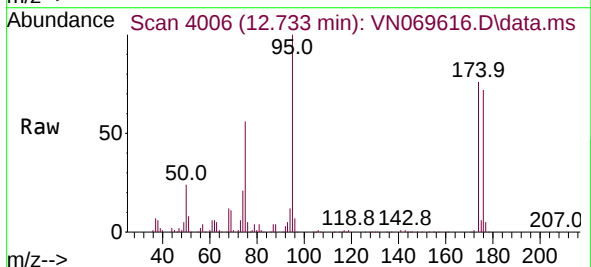
Instrument :
MSVOA_N
ClientSampleId :

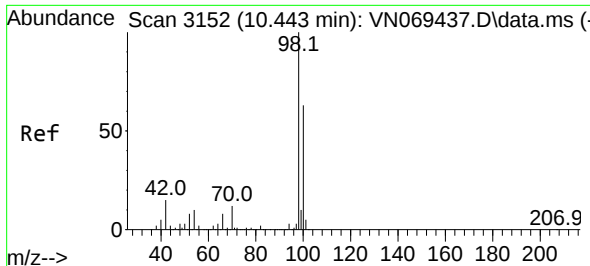
Tgt Ion:117 Resp: 743825
Ion Ratio Lower Upper
117 100
82 58.1 43.6 65.4
119 31.4 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.126 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 95 Resp: 275270
Ion Ratio Lower Upper
95 100
174 76.9 62.9 94.3
176 74.0 61.0 91.4

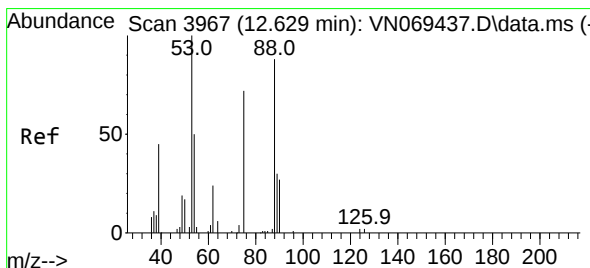
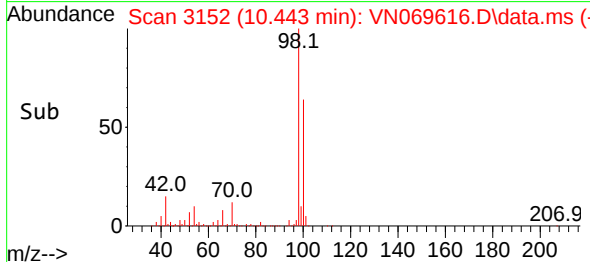
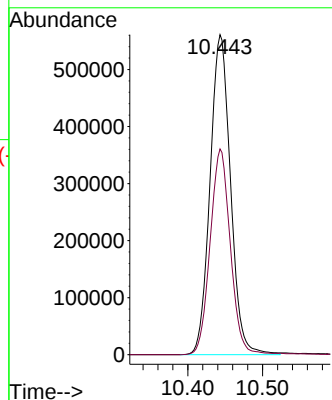
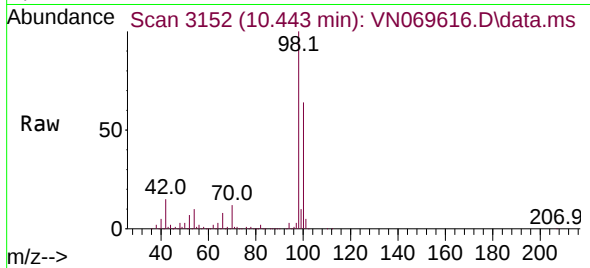




#63
Toluene-d8
Concen: 31.072 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1067163
Ion Ratio Lower Upper
98 100
100 63.3 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 41.480 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN069616.D
Acq: 22 Nov 2021 17:54

Tgt Ion: 75 Resp: 158375
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

