

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069610.D
 Acq On : 22 Nov 2021 15:21
 Operator : JC/MD
 Sample : M4697-04 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:52:14 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)

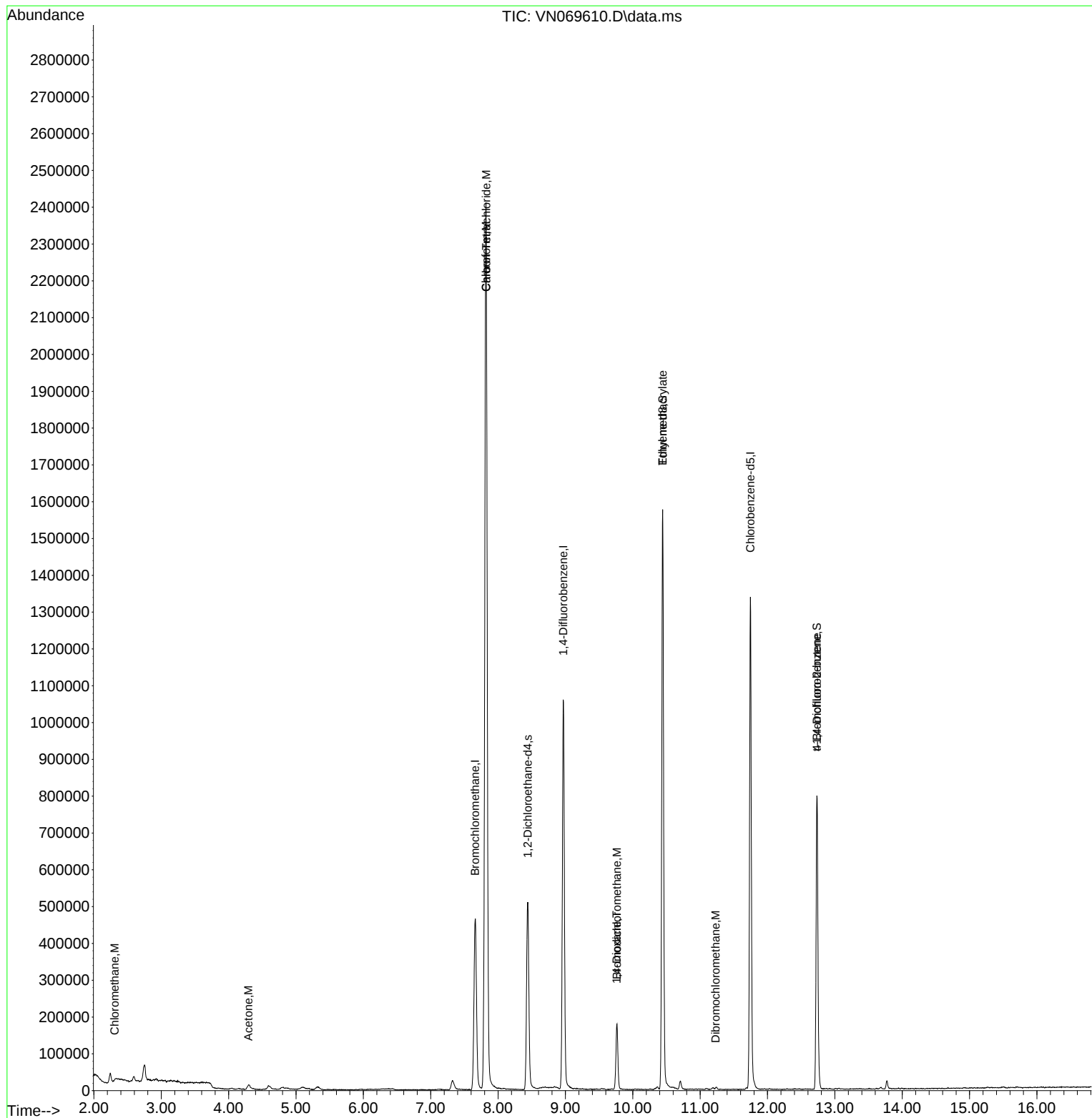
Internal Standards						
1) Bromochloromethane	7.659	128	165648	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	896030	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	756792	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	449760	31.307	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.367%
60) 4-Bromofluorobenzene	12.733	95	288270	23.803	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.333%
63) Toluene-d8	10.443	98	1084616	31.039	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.467%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3262	0.256	ug/l	98
15) Acetone	4.293	58	1261	0.582	ug/l	78
25) Chloroform	7.820	83	2338430	118.249	ug/l	99
33) Carbon Tetrachloride	7.823	117	24850	1.884	ug/l	96
41) Bromodichloromethane	9.764	83	117808	8.507	ug/l	96
45) 1,4-Dioxane	9.759	88	53	0.228	ug/l #	1
51) Ethyl methacrylate	10.443	69	3901	0.222	ug/l	74
53) Dibromochloromethane	11.232	129	2078	0.208	ug/l #	44
77) t-1,4-Dichloro-2-butene	12.733	75	165037	42.484	ug/l #	8

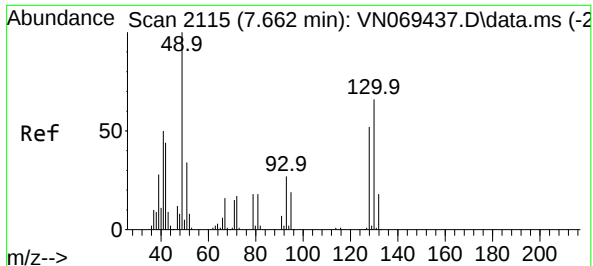
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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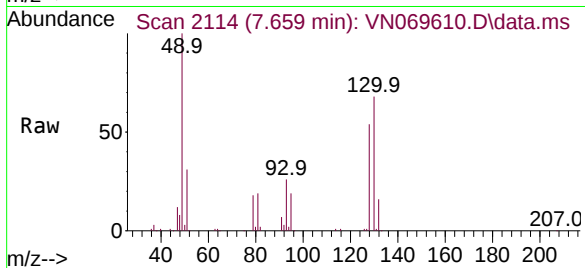
Quant Time: Nov 23 03:52:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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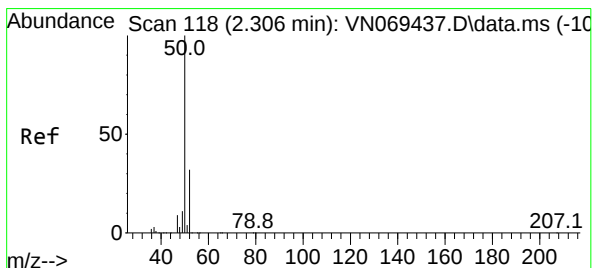
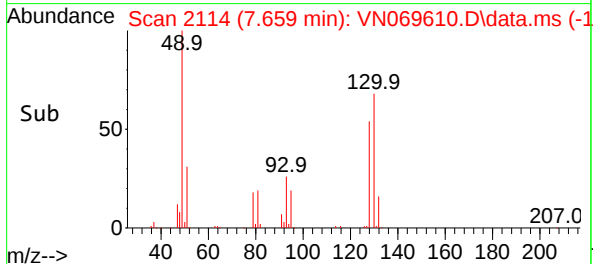
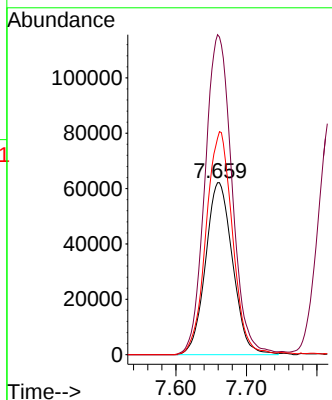


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Instrument :
MSVOA_N
ClientSampleId :

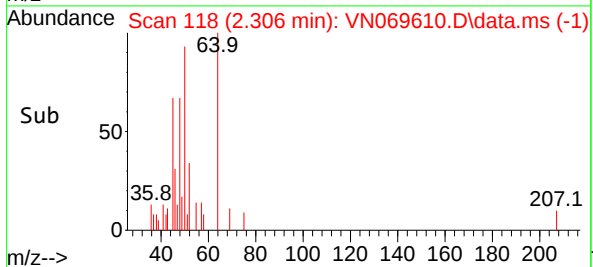
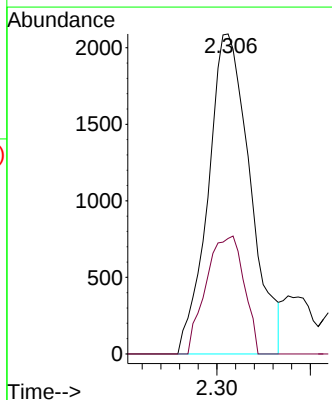
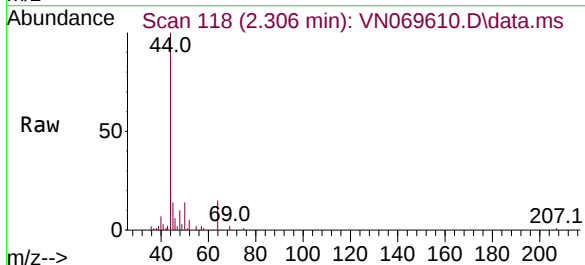


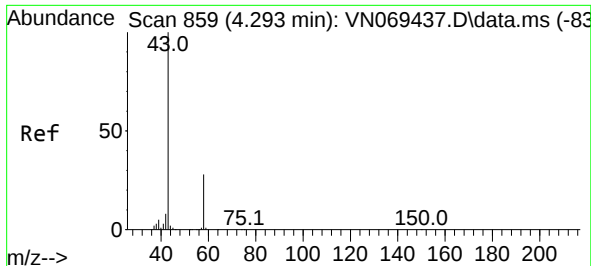
Tgt Ion:128 Resp: 165648
Ion Ratio Lower Upper
128 100
49 185.2 0.0 392.3
130 126.6 0.0 320.2



#3
Chloromethane
Concen: 0.256 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion: 50 Resp: 3262
Ion Ratio Lower Upper
50 100
52 36.1 27.8 41.6

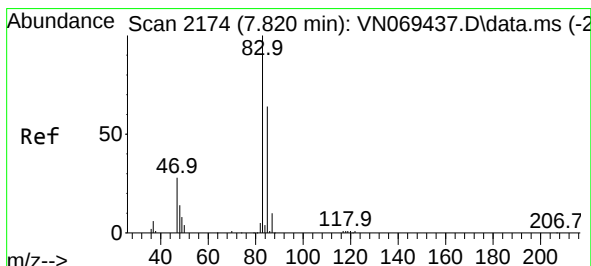
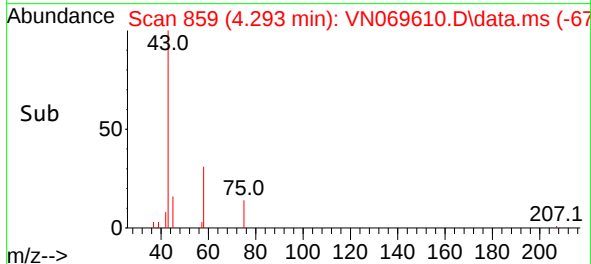
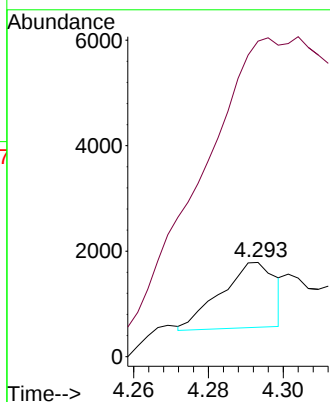
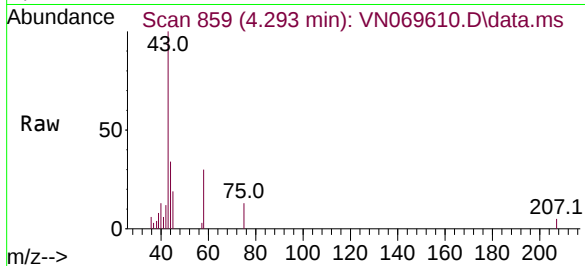




#15
Acetone
Concen: 0.582 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

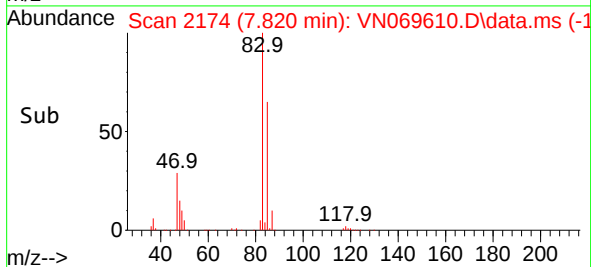
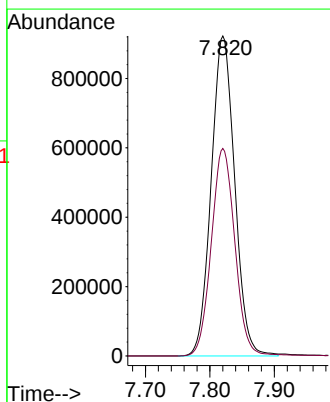
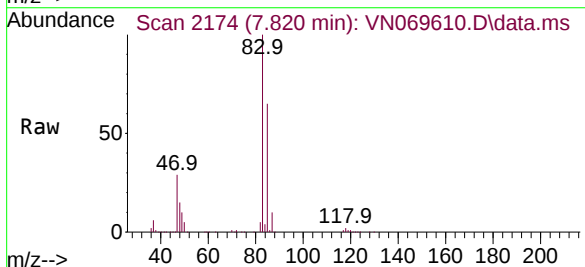
Instrument :
MSVOA_N
ClientSampleId :

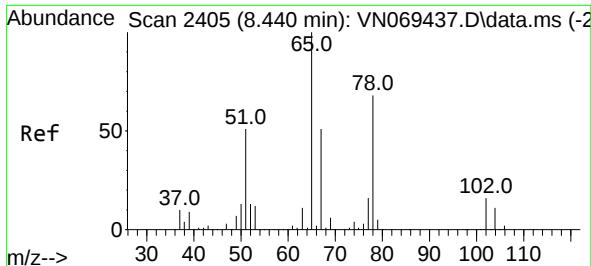
Tgt Ion: 58 Resp: 1261
Ion Ratio Lower Upper
58 100
43 274.9 256.6 384.8



#25
Chloroform
Concen: 118.249 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion: 83 Resp: 2338430
Ion Ratio Lower Upper
83 100
85 64.8 51.3 76.9

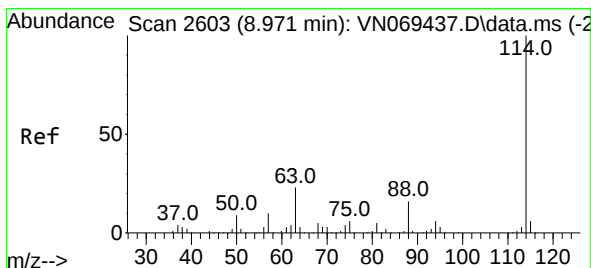
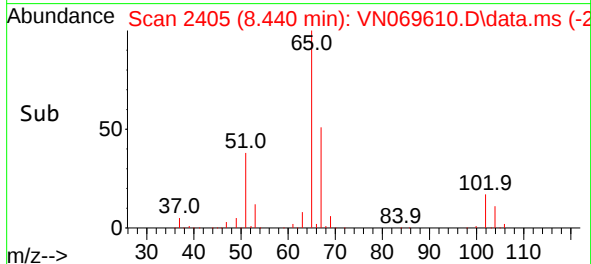
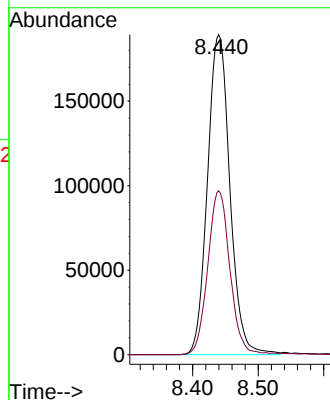
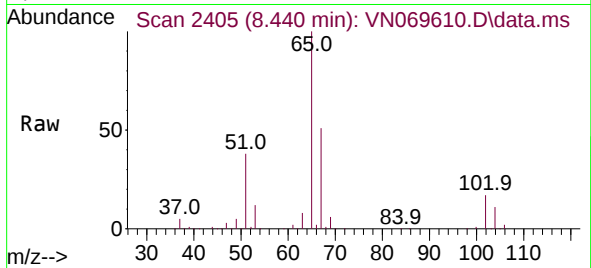




#27
 1,2-Dichloroethane-d4
 Concen: 31.307 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VN069610.D
 Acq: 22 Nov 2021 15:21

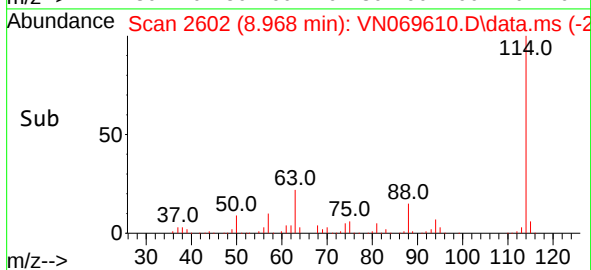
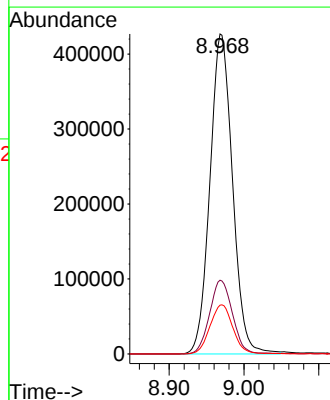
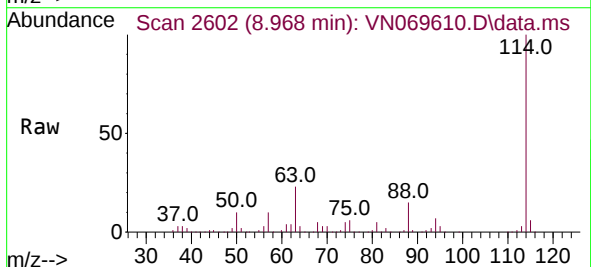
Instrument :
 MSVOA_N
 ClientSampleId :

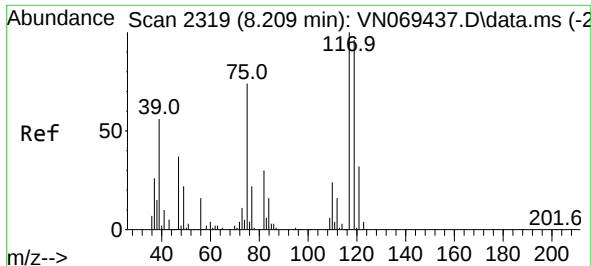
Tgt Ion: 65 Resp: 449760
 Ion Ratio Lower Upper
 65 100
 67 50.2 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.003 min
 Lab File: VN069610.D
 Acq: 22 Nov 2021 15:21

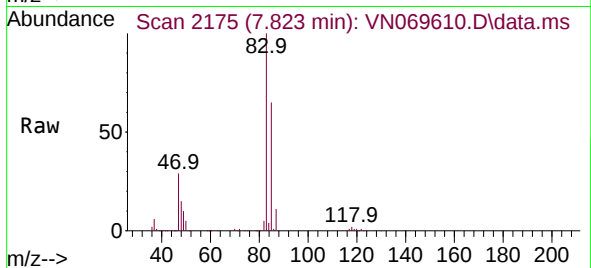
Tgt Ion: 114 Resp: 896030
 Ion Ratio Lower Upper
 114 100
 63 23.2 15.8 23.6
 88 15.5 11.6 17.4



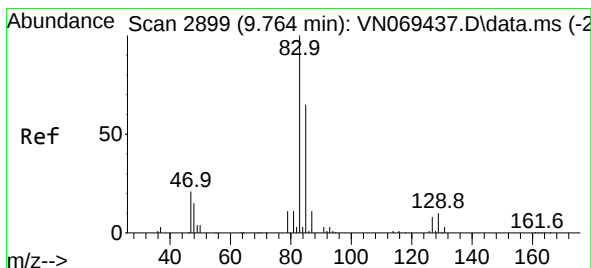
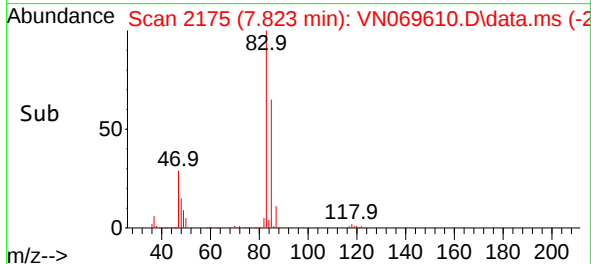
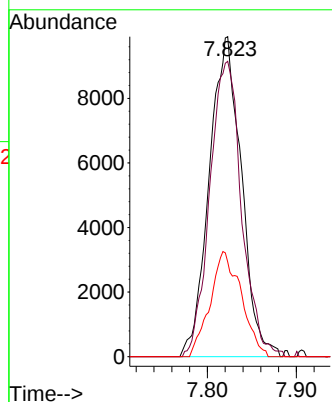


#33
Carbon Tetrachloride
Concen: 1.884 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. -0.386 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Instrument :
MSVOA_N
ClientSampleId :

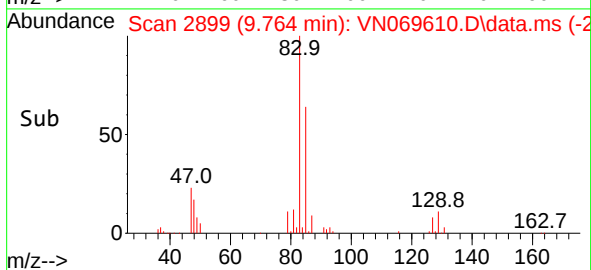
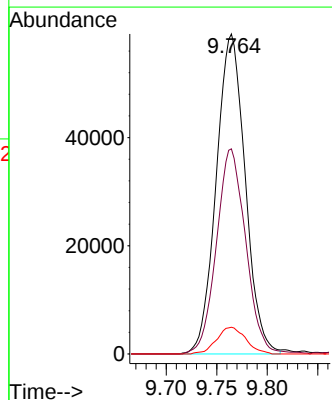
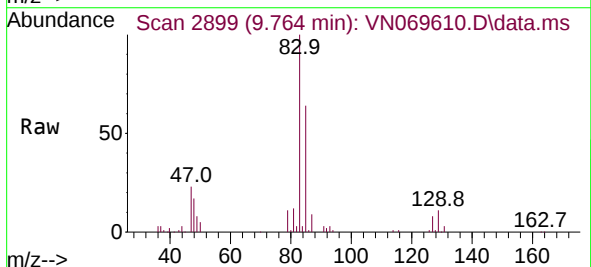


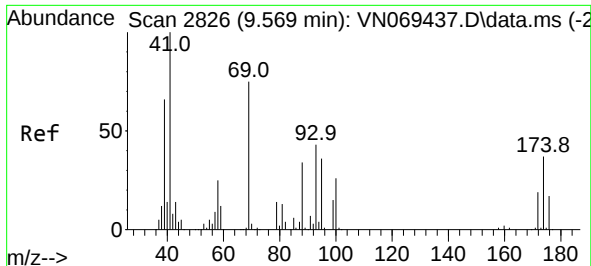
Tgt Ion:117 Resp: 24850
Ion Ratio Lower Upper
117 100
119 92.3 77.5 116.3
121 29.6 23.5 35.3



#41
Bromodichloromethane
Concen: 8.507 ug/l
RT: 9.764 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion: 83 Resp: 117808
Ion Ratio Lower Upper
83 100
85 64.1 54.1 81.1
127 8.4 7.6 11.4

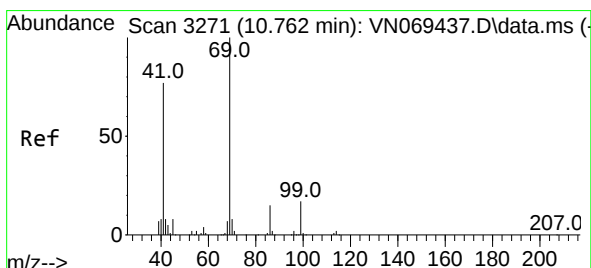
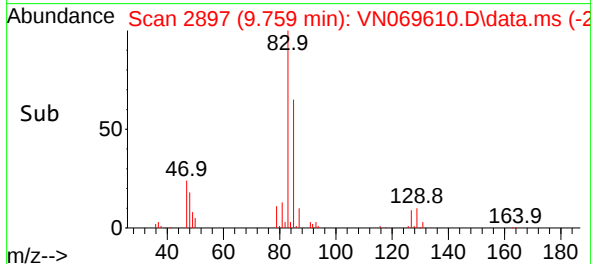
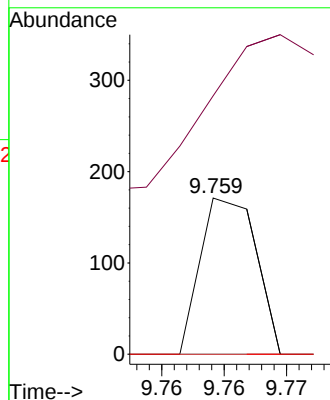
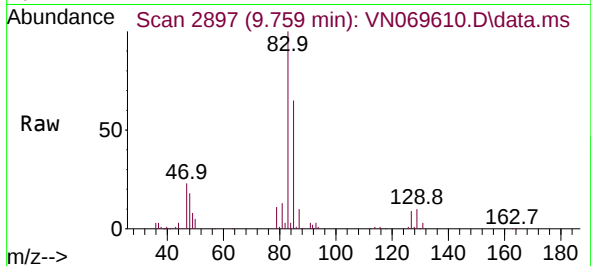




#45
1,4-Dioxane
Concen: 0.228 ug/l
RT: 9.759 min Scan# 21
Delta R.T. 0.190 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

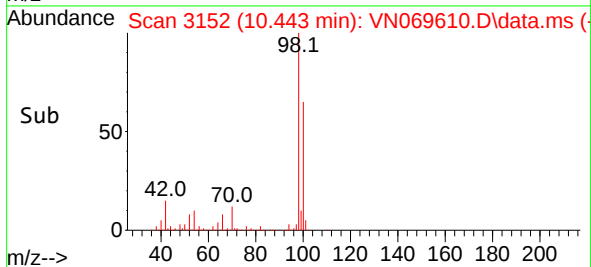
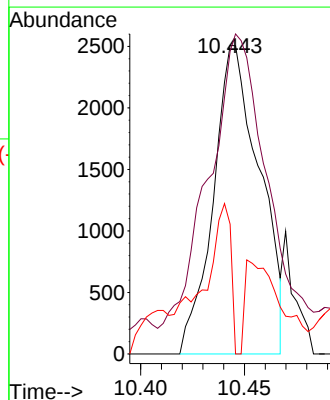
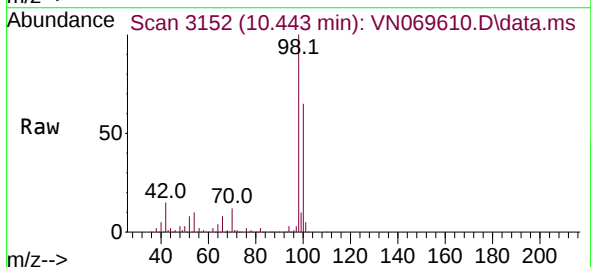
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MSVOA_N
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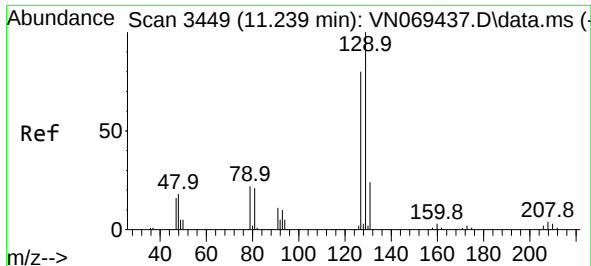
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 228.3 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.319 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion: 69 Resp: 3901
Ion Ratio Lower Upper
69 100
41 81.1 33.0 98.9
39 26.8 25.4 76.4

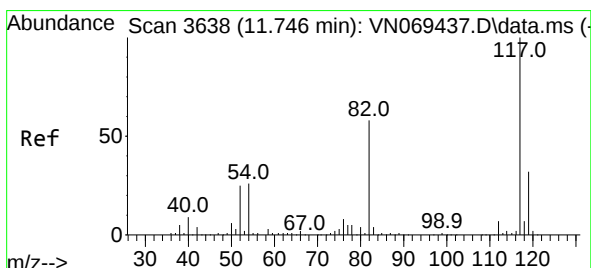
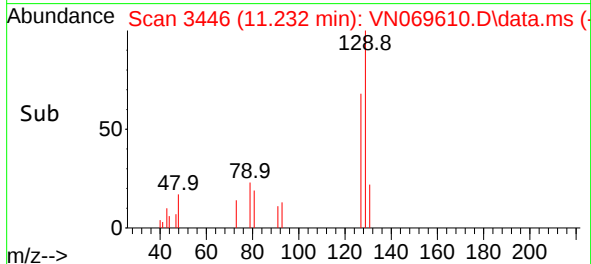
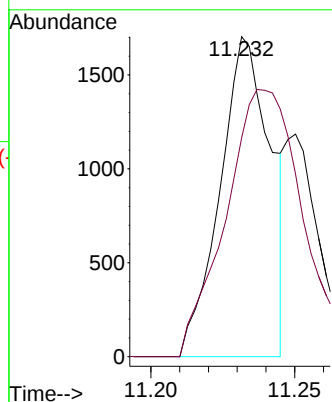
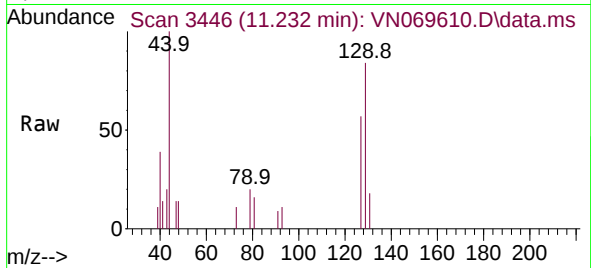




#53
Dibromochloromethane
Concen: 0.208 ug/l
RT: 11.232 min Scan# 3446
Delta R.T. -0.008 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

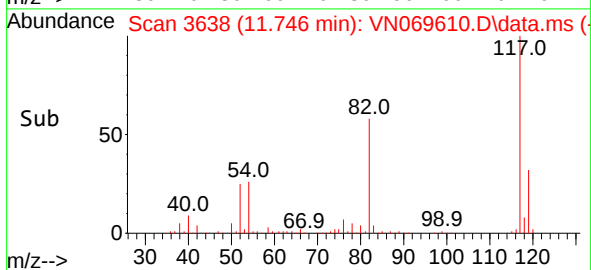
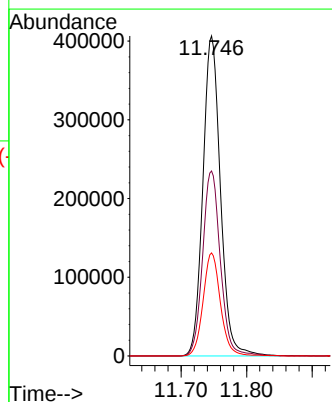
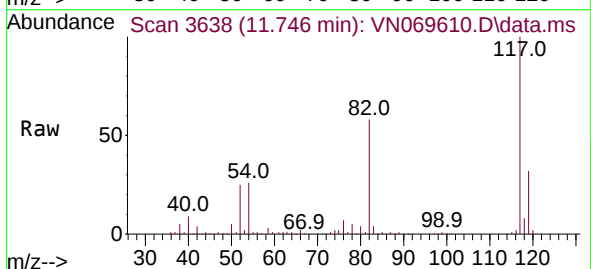
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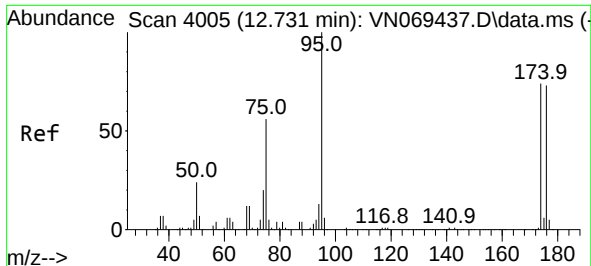
Tgt Ion:129 Resp: 2078
Ion Ratio Lower Upper
129 100
127 126.9 39.0 117.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion:117 Resp: 756792
Ion Ratio Lower Upper
117 100
82 58.0 43.6 65.4
119 31.8 25.8 38.6

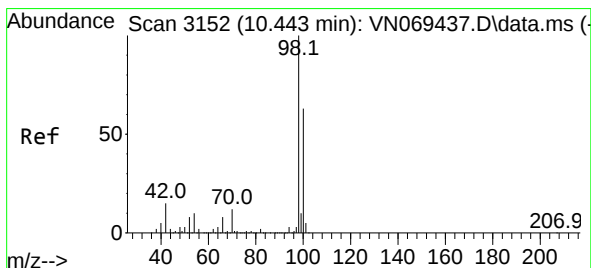
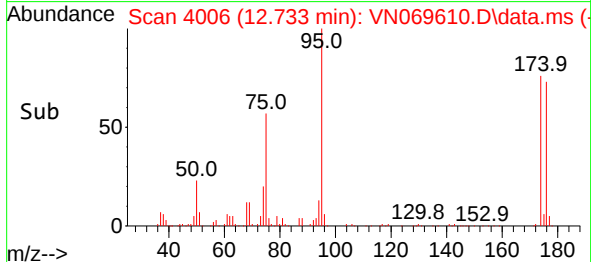
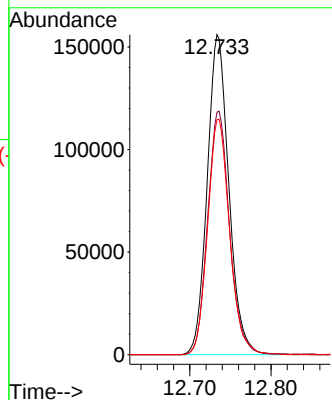
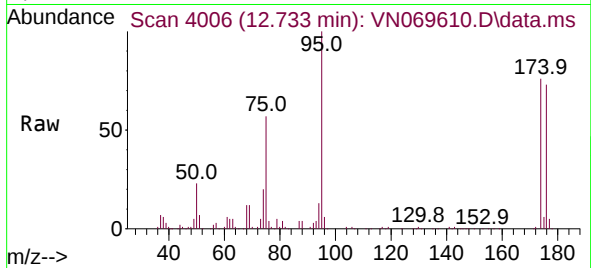




#60
4-Bromofluorobenzene
Concen: 23.803 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

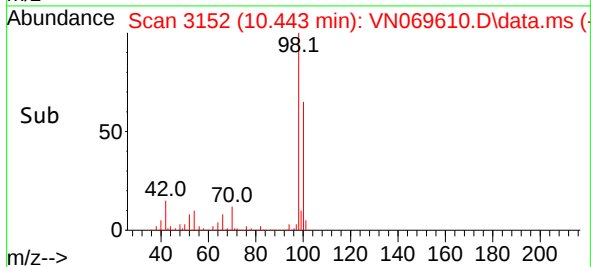
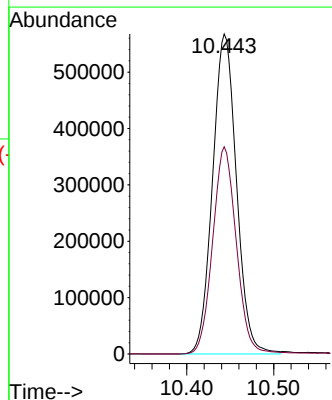
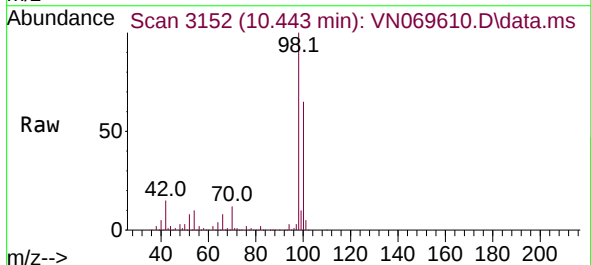
Instrument :
MSVOA_N
ClientSampleId :

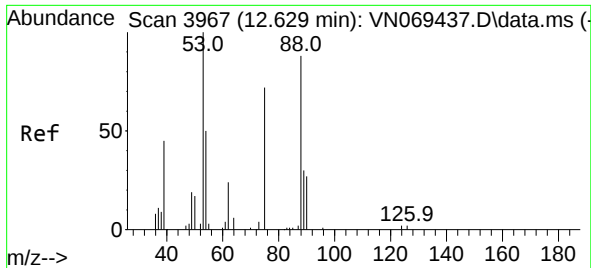
Tgt Ion: 95 Resp: 288270
Ion Ratio Lower Upper
95 100
174 77.2 62.9 94.3
176 74.7 61.0 91.4



#63
Toluene-d8
Concen: 31.039 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

Tgt Ion: 98 Resp: 1084616
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 42.484 ug/l

RT: 12.733 min Scan# 40

Delta R.T. 0.105 min

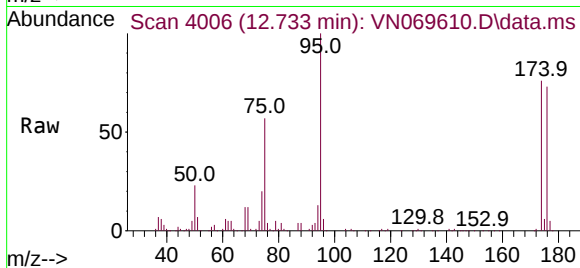
Lab File: VN069610.D

Acq: 22 Nov 2021 15:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 165037

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

