

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112321\
 Data File : VN069627.D
 Acq On : 23 Nov 2021 15:32
 Operator : JC/MD
 Sample : M4820-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 24 02:26:49 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)

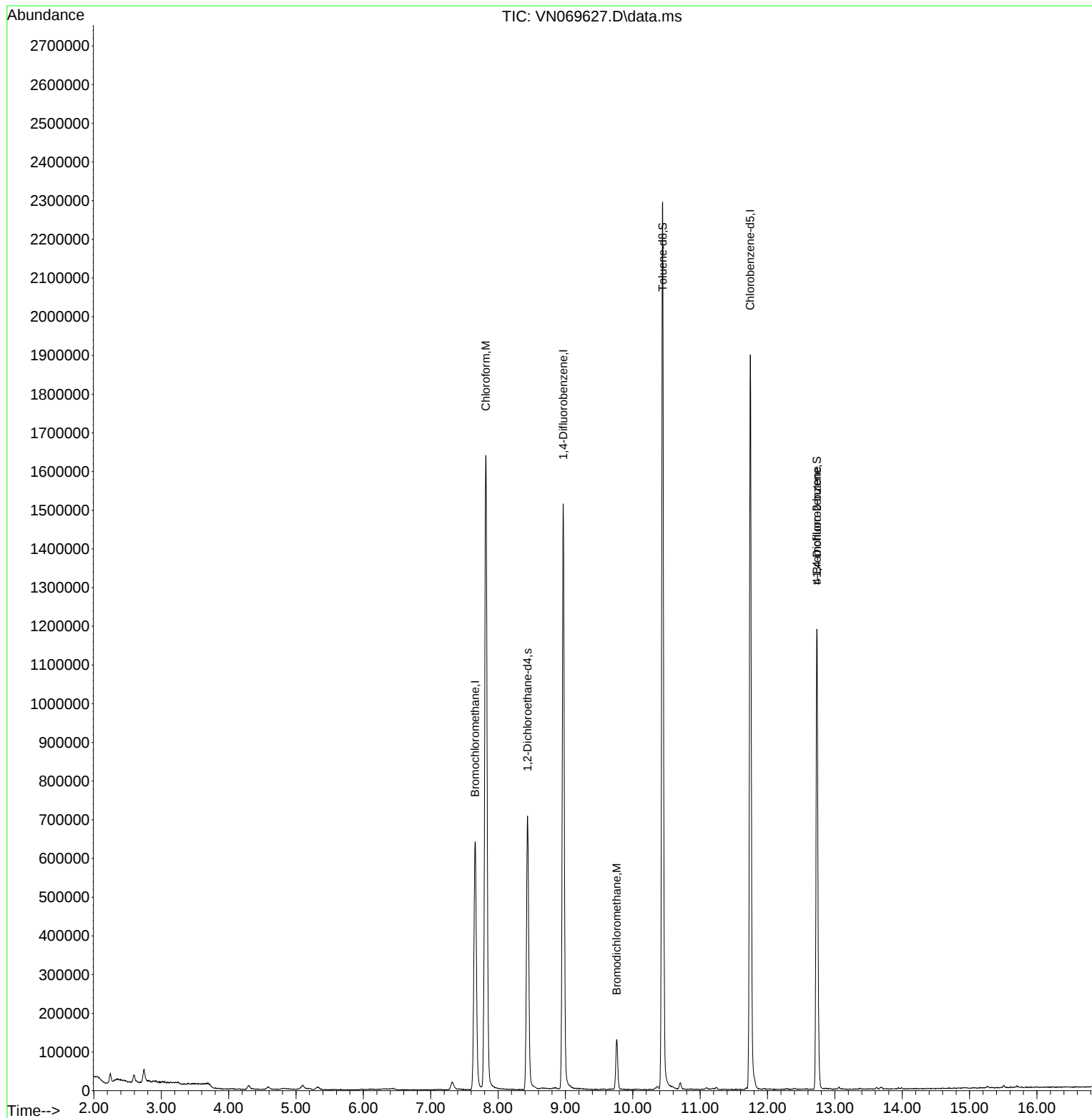
Internal Standards						
1) Bromochloromethane	7.659	128	221018	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1278133	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	1102093	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	618272	32.255	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.500%
60) 4-Bromofluorobenzene	12.733	95	441128	25.012	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.367%
63) Toluene-d8	10.443	98	1571432	30.881	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.933%
Target Compounds						
					Qvalue	
25) Chloroform	7.817	83	1596472	60.505	ug/l	99
41) Bromodichloromethane	9.762	83	88634	4.487	ug/l	98
77) t-1,4-Dichloro-2-butene	12.733	75	248203	43.874	ug/l #	8

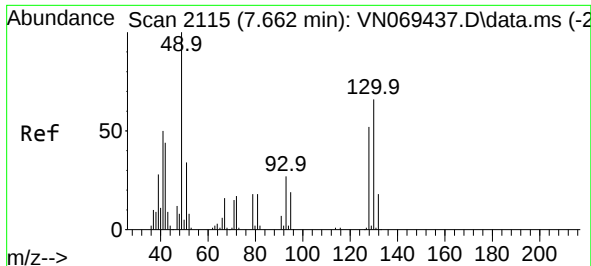
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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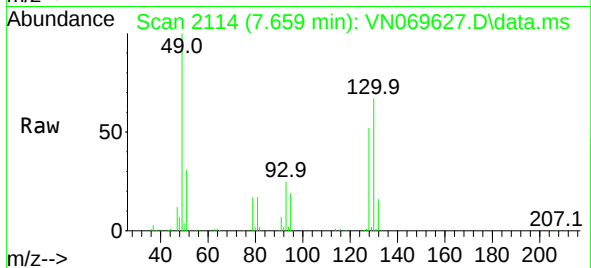
Quant Time: Nov 24 02:26:49 2021
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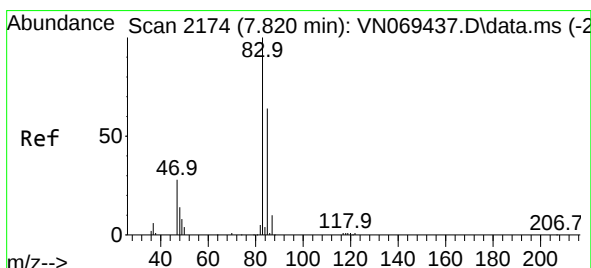
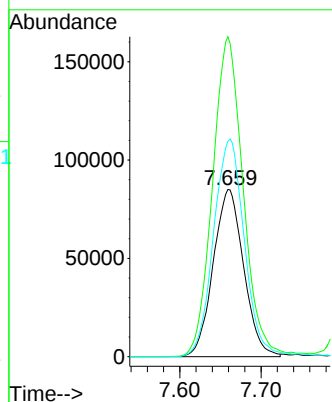
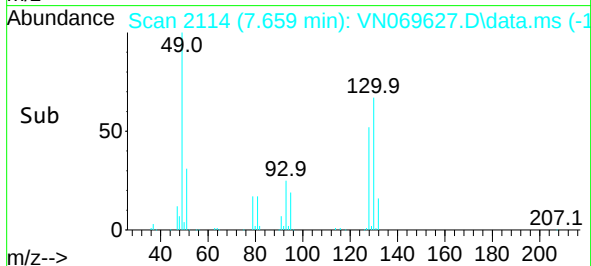


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VN069627.D
Acq: 23 Nov 2021 15:32

Instrument :
MSVOA_N
ClientSampleId :

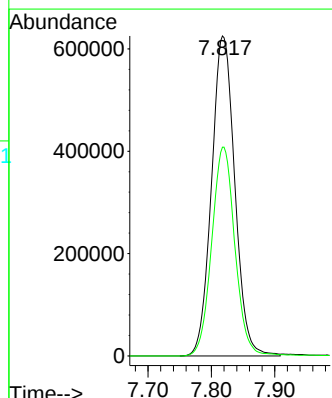
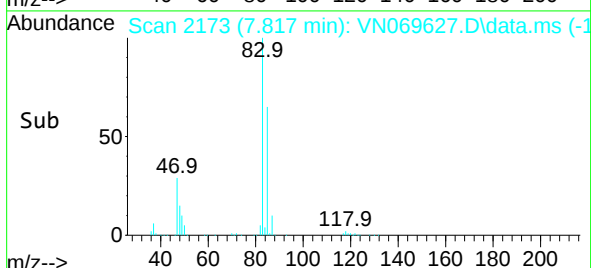
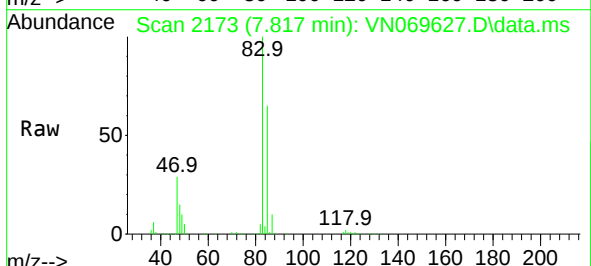


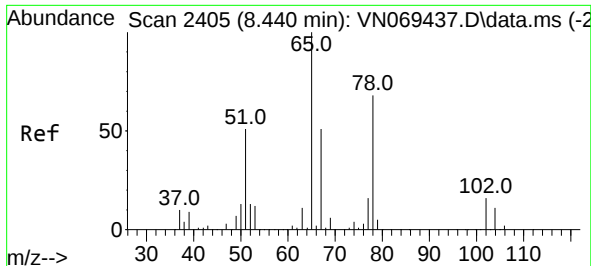
Tgt Ion:128 Resp: 221018
Ion Ratio Lower Upper
128 100
49 191.0 0.0 392.3
130 132.1 0.0 320.2



#25
Chloroform
Concen: 60.505 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069627.D
Acq: 23 Nov 2021 15:32

Tgt Ion: 83 Resp: 1596472
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 32.255 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN069627.D

Acq: 23 Nov 2021 15:32

Instrument :

MSVOA_N

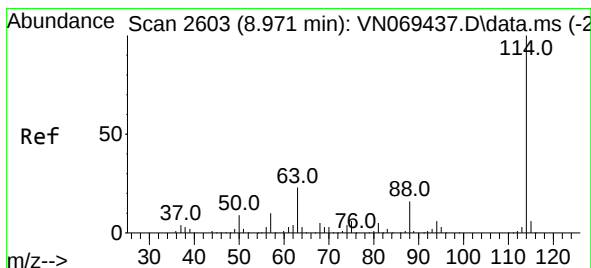
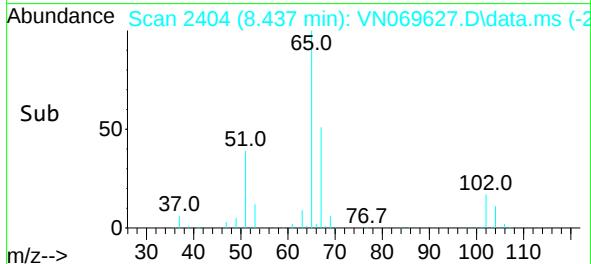
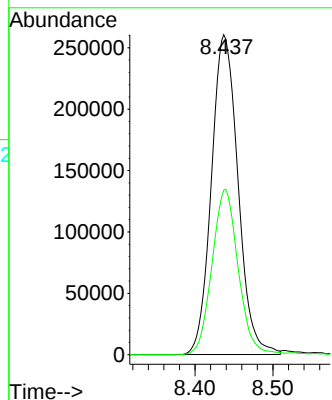
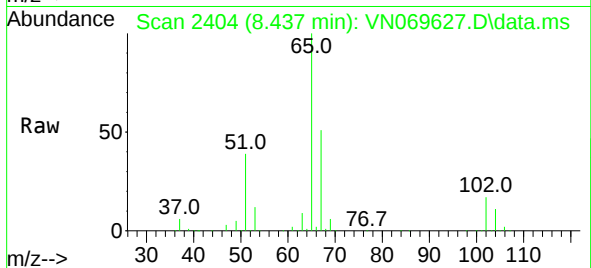
ClientSampleId :

Tgt Ion: 65 Resp: 618272

Ion Ratio Lower Upper

65 100

67 50.9 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: VN069627.D

Acq: 23 Nov 2021 15:32

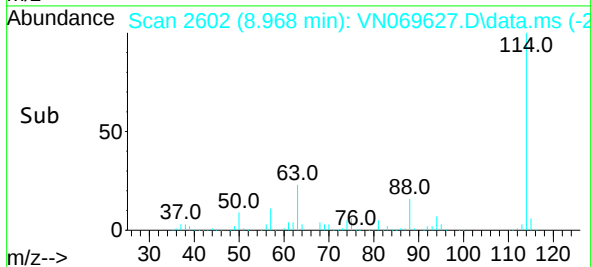
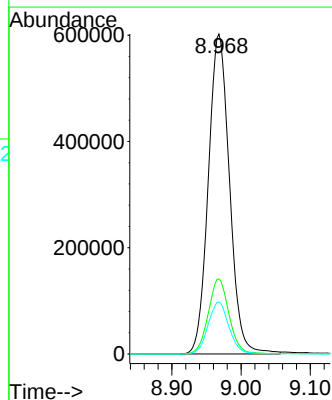
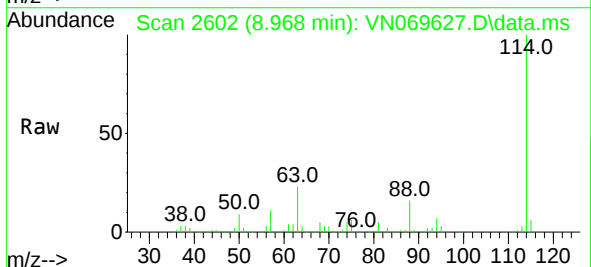
Tgt Ion: 114 Resp: 1278133

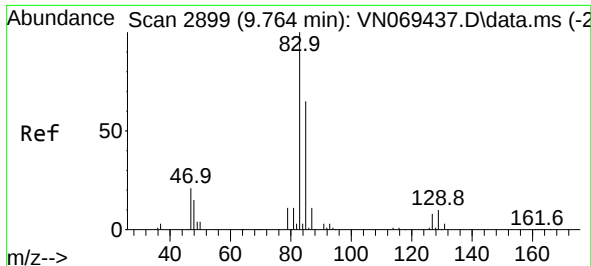
Ion Ratio Lower Upper

114 100

63 23.0 15.8 23.6

88 16.0 11.6 17.4

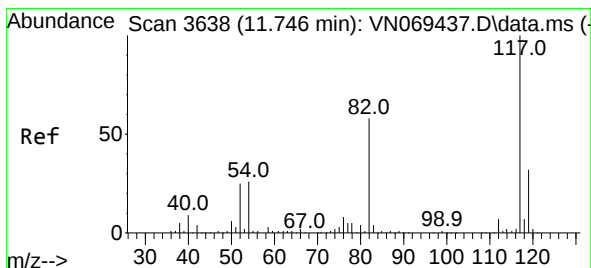
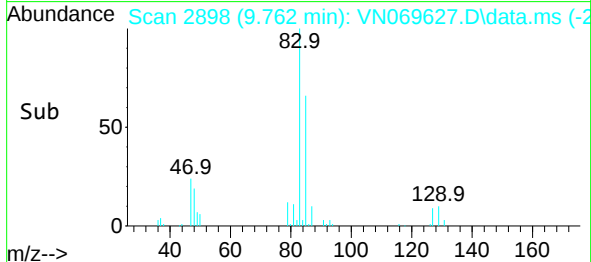
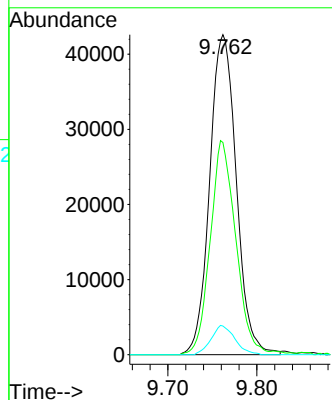
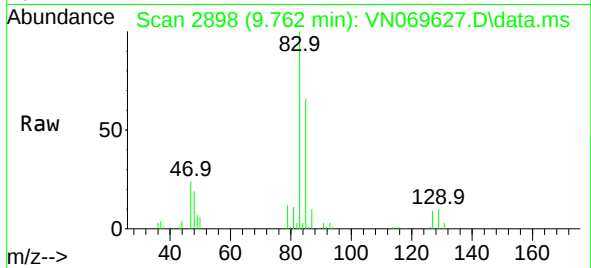




#41
Bromodichloromethane
Concen: 4.487 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069627.D
Acq: 23 Nov 2021 15:32

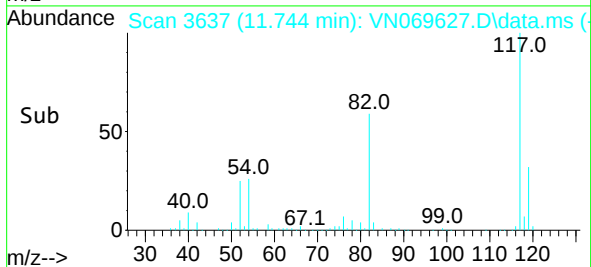
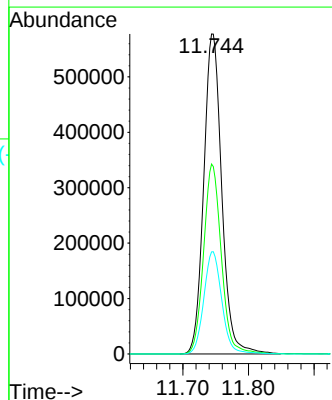
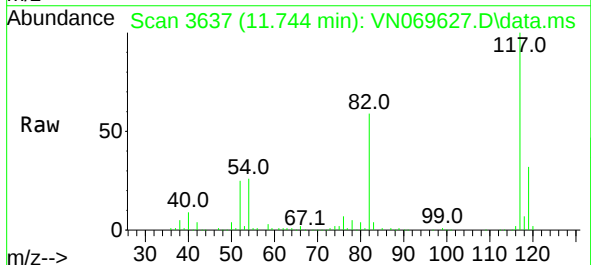
Instrument :
MSVOA_N
ClientSampleId :

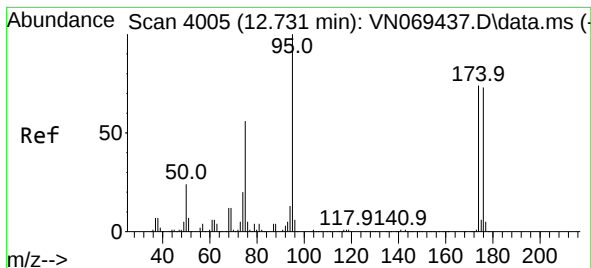
Tgt Ion: 83 Resp: 88634
Ion Ratio Lower Upper
83 100
85 66.3 54.1 81.1
127 9.0 7.6 11.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069627.D
Acq: 23 Nov 2021 15:32

Tgt Ion: 117 Resp: 1102093
Ion Ratio Lower Upper
117 100
82 58.3 43.6 65.4
119 31.9 25.8 38.6





#60

4-Bromofluorobenzene

Concen: 25.012 ug/l

RT: 12.733 min Scan# 4005

Delta R.T. 0.000 min

Lab File: VN069627.D

Acq: 23 Nov 2021 15:32

Instrument :

MSVOA_N

ClientSampleId :

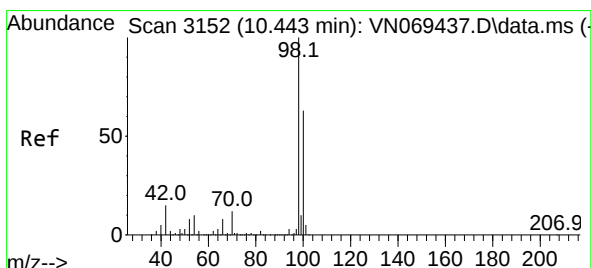
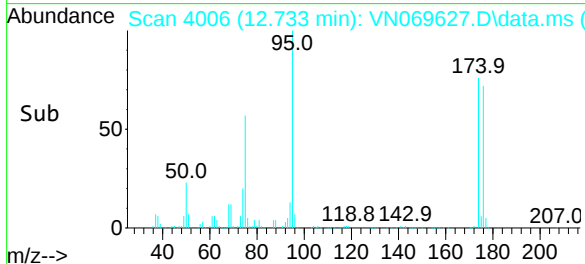
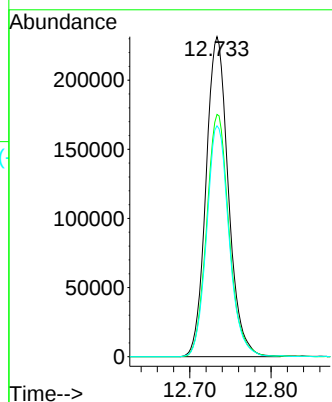
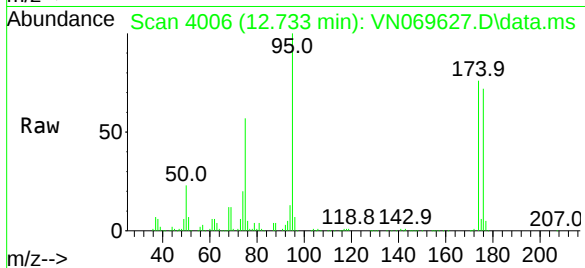
Tgt Ion: 95 Resp: 441128

Ion Ratio Lower Upper

95 100

174 76.2 62.9 94.3

176 72.4 61.0 91.4



#63

Toluene-d8

Concen: 30.881 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069627.D

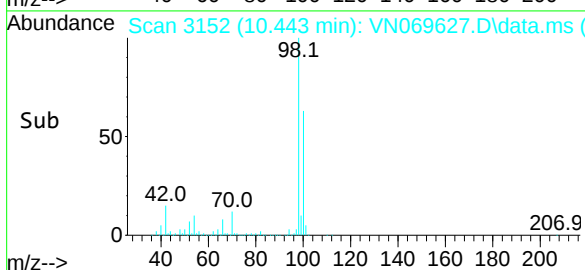
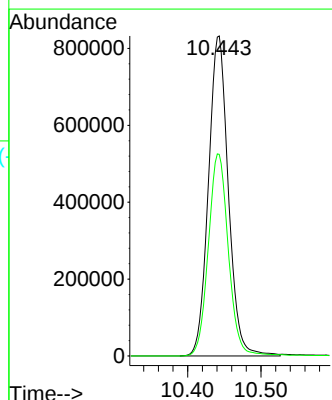
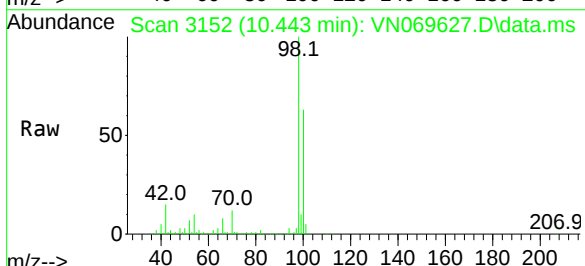
Acq: 23 Nov 2021 15:32

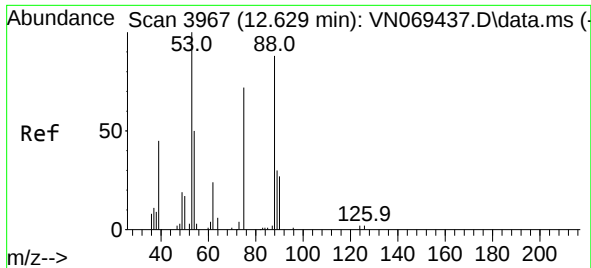
Tgt Ion: 98 Resp: 1571432

Ion Ratio Lower Upper

98 100

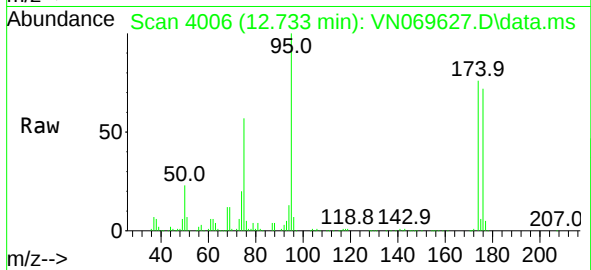
100 63.6 50.6 76.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 43.874 ug/l
 RT: 12.733 min Scan# 40
 Delta R.T. 0.105 min
 Lab File: VN069627.D
 Acq: 23 Nov 2021 15:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 248203
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

