

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 :
 14B-4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

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						
15) Acetone	4.293	58	5124m	2.364	ug/l	Qvalue
25) Chloroform	7.820	83	2338430	118.249	ug/l	99
41) Bromodichloromethane	9.764	83	117808	8.507	ug/l	96
53) Dibromochloromethane	11.232	129	3075m	0.307	ug/l	

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

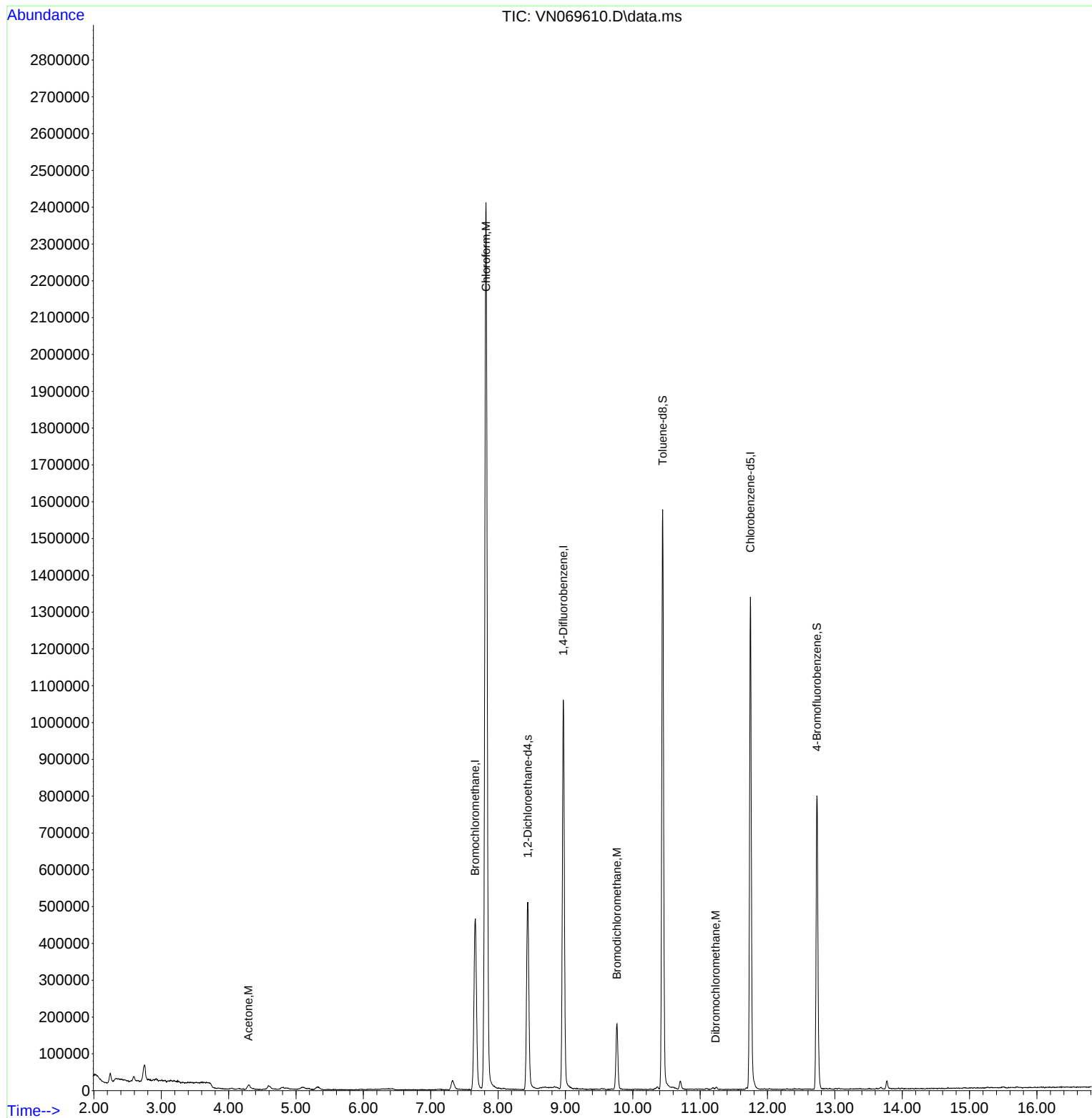
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
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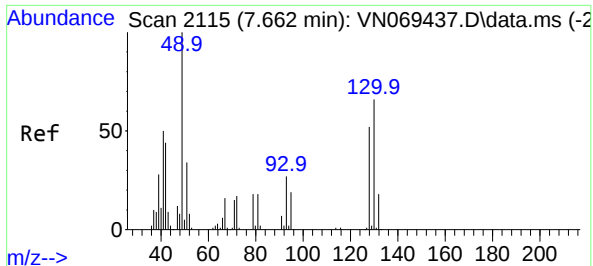
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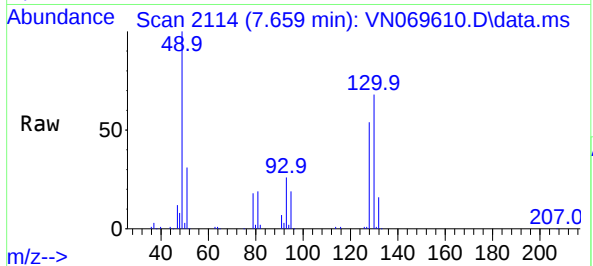
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Nov 10 14:36:17 2021
Response via : Initial Calibration





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

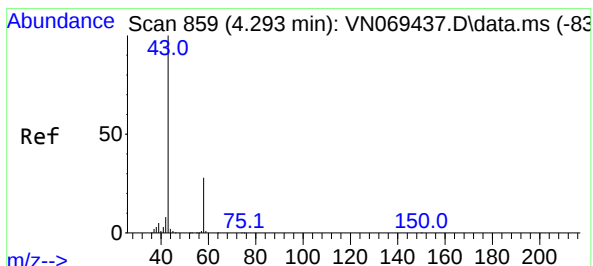
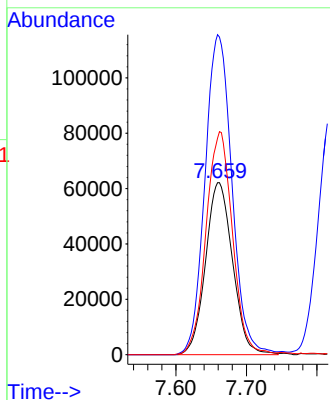
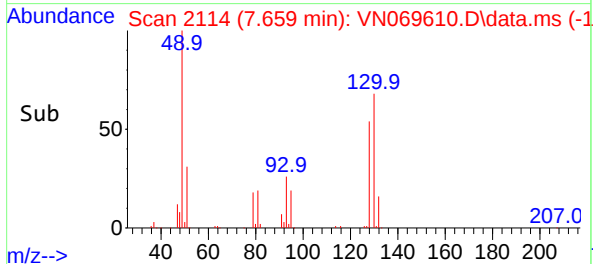
Instrument :
MSVOA_N
ClientSampleId :
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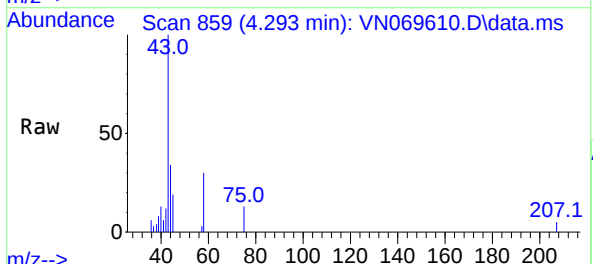
Tgt Ion:128 Resp: 16564
Ion Ratio Lower Upper
128 100
49 185.2 0.0 392.3
130 126.6 0.0 320.2

Manual Integrations
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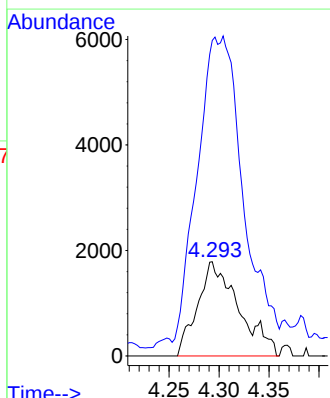
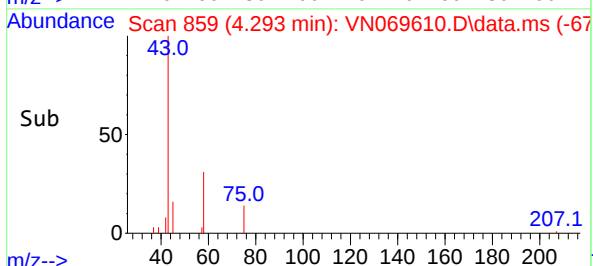
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

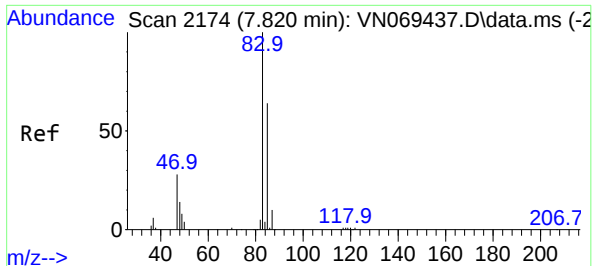


#15
Acetone
Concen: 2.364 ug/l m
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21



Tgt Ion: 58 Resp: 5124
Ion Ratio Lower Upper
58 100
43 334.7 256.6 384.8





#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

Instrument :

MSVOA_N

ClientSampleId :

14B-4

Tgt Ion: 83 Resp: 2338430

Ion Ratio Lower Upper

83 100

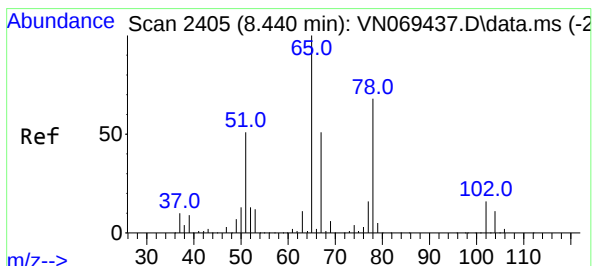
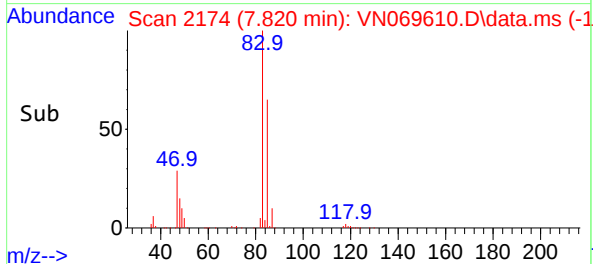
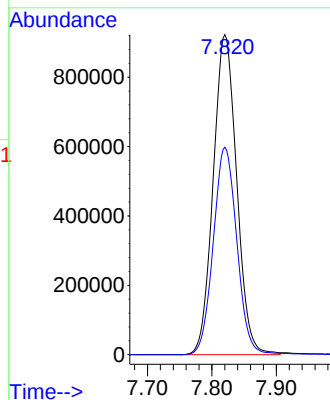
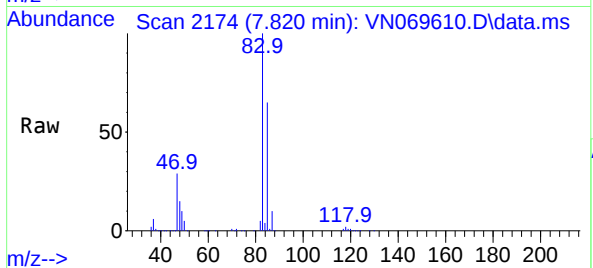
85 64.8 51.3 76.9

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 31.307 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069610.D

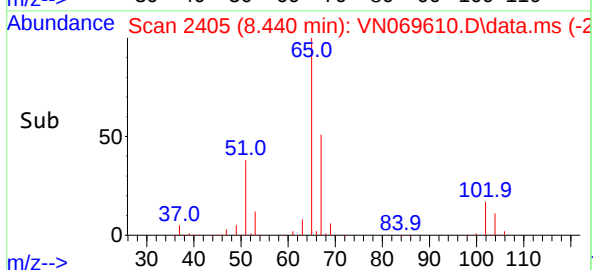
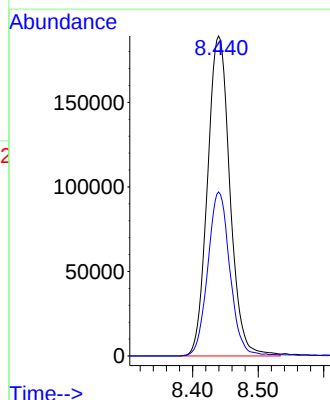
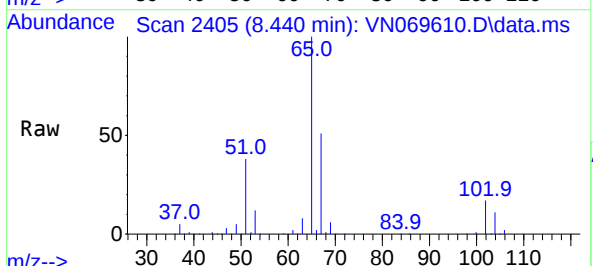
Acq: 22 Nov 2021 15:21

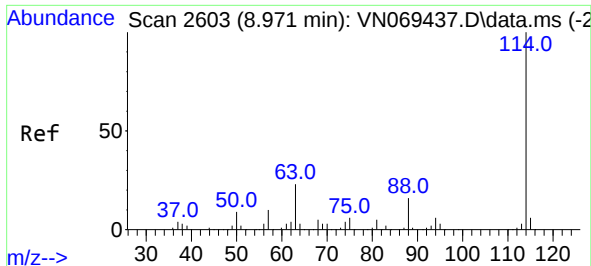
Tgt Ion: 65 Resp: 449760

Ion Ratio Lower Upper

65 100

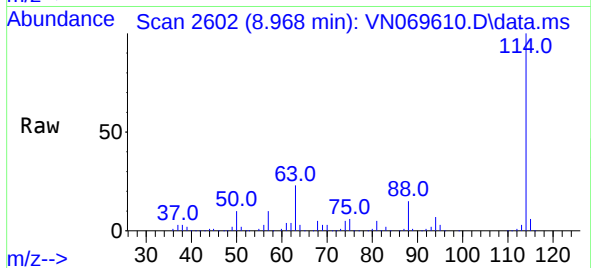
67 50.2 40.2 60.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2603
Delta R.T. -0.003 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

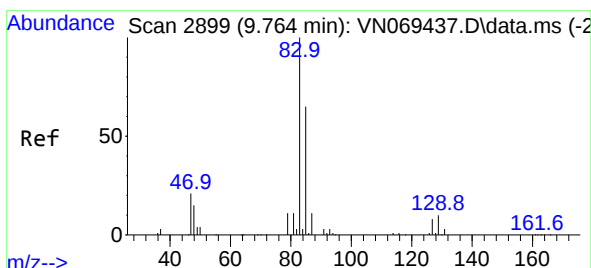
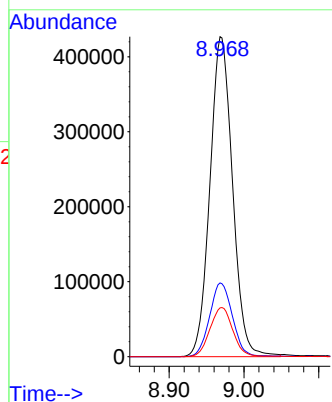
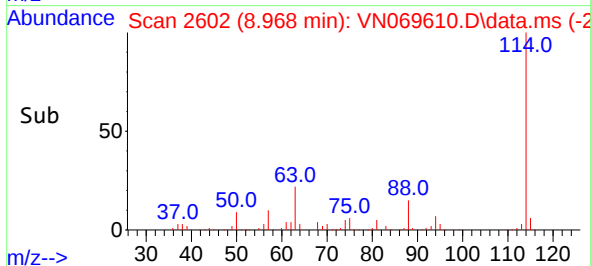
Instrument :
MSVOA_N
ClientSampleId :
14B-4



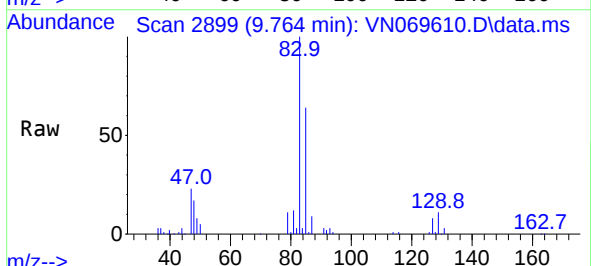
Tgt Ion:114 Resp: 896030
Ion Ratio Lower Upper
114 100
63 23.2 15.8 23.6
88 15.5 11.6 17.4

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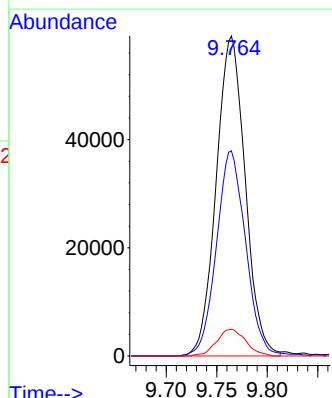
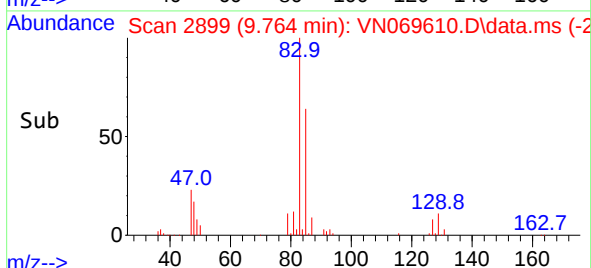
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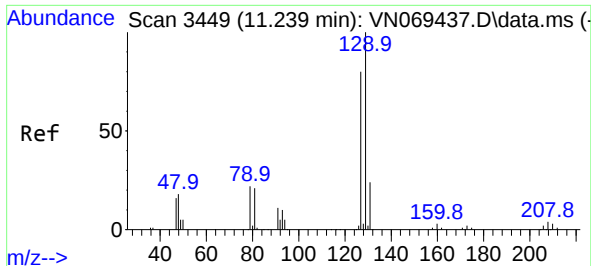


#41
Bromodichloromethane
Concen: 8.507 ug/l
RT: 9.764 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21



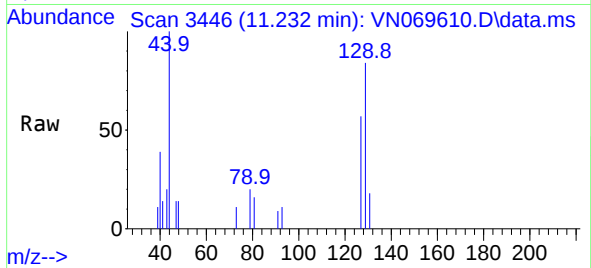
Tgt Ion: 83 Resp: 117808
Ion Ratio Lower Upper
83 100
85 64.1 54.1 81.1
127 8.4 7.6 11.4





#53
Dibromochloromethane
Concen: 0.307 ug/l m
RT: 11.232 min Scan# 3449
Delta R.T. -0.008 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21

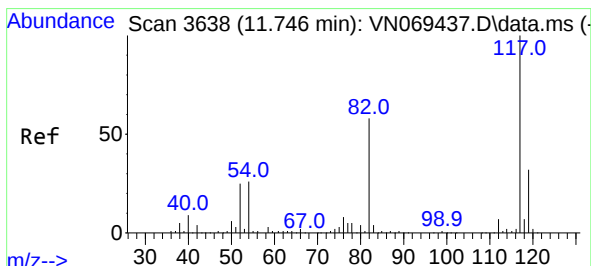
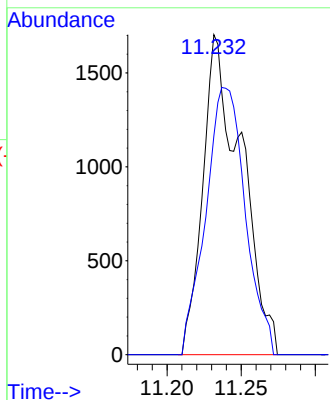
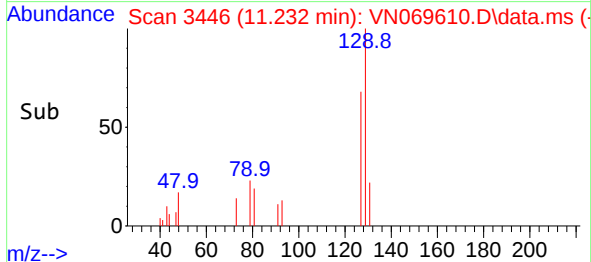
Instrument :
MSVOA_N
ClientSampleId :
14B-4



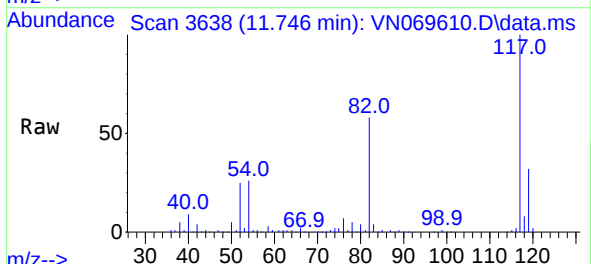
Tgt Ion:129 Resp: 3075
Ion Ratio Lower Upper
129 100
127 85.8 39.0 117.0

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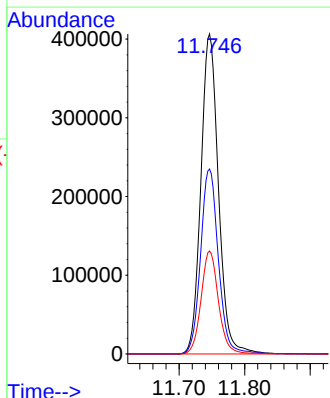
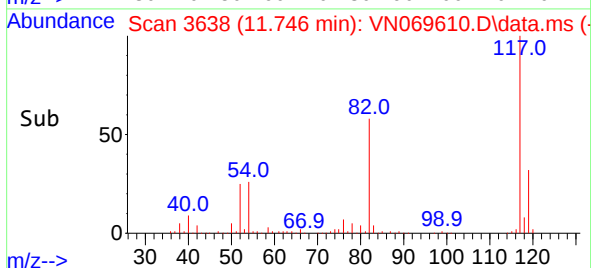
Reviewed By :John Carlone 11/23/2021
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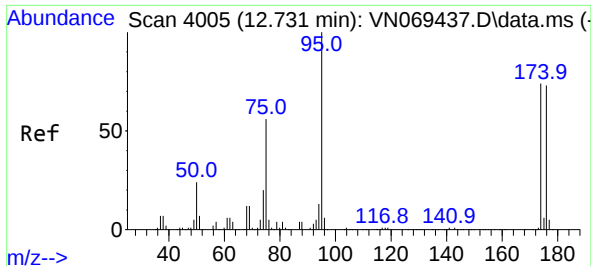


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069610.D
Acq: 22 Nov 2021 15:21



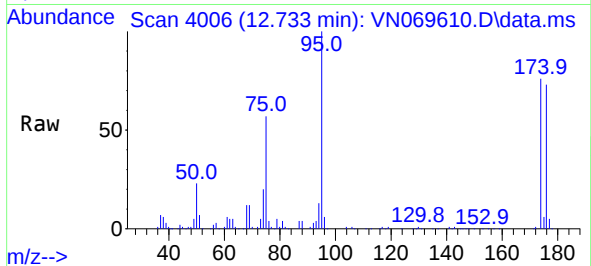
Tgt Ion:117 Resp: 756792
Ion Ratio Lower Upper
117 100
82 58.0 43.6 65.4
119 31.8 25.8 38.6





#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

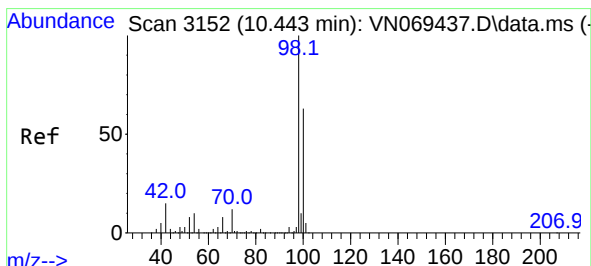
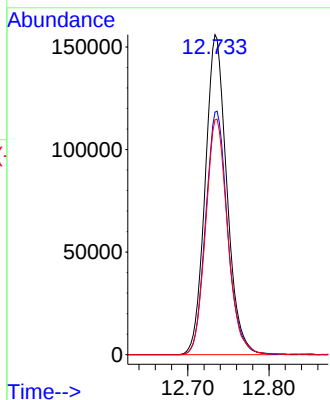
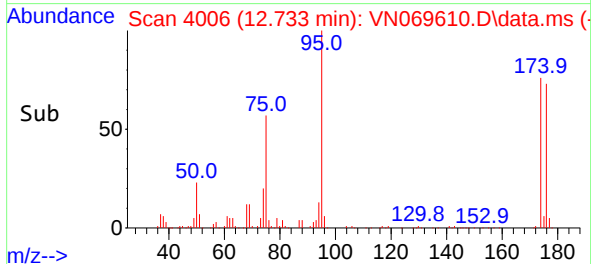
Instrument :
MSVOA_N
ClientSampleId :
14B-4



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

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#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

