

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121318\
 Data File : VL032987.D
 Acq On : 13 Dec 2018 17:41
 Operator : SY/AP
 Sample : J6264-12DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G4DL

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:18:58 AM

Quant Time: Dec 14 08:58:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1197864	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3164325	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3075189	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2367838	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%
Target Compounds						
13) Ethanol	3.67	45	24963m	2.021	ppbv	Ovalue
15) Acetone	3.91	43	588217	5.721	ppbv	100

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

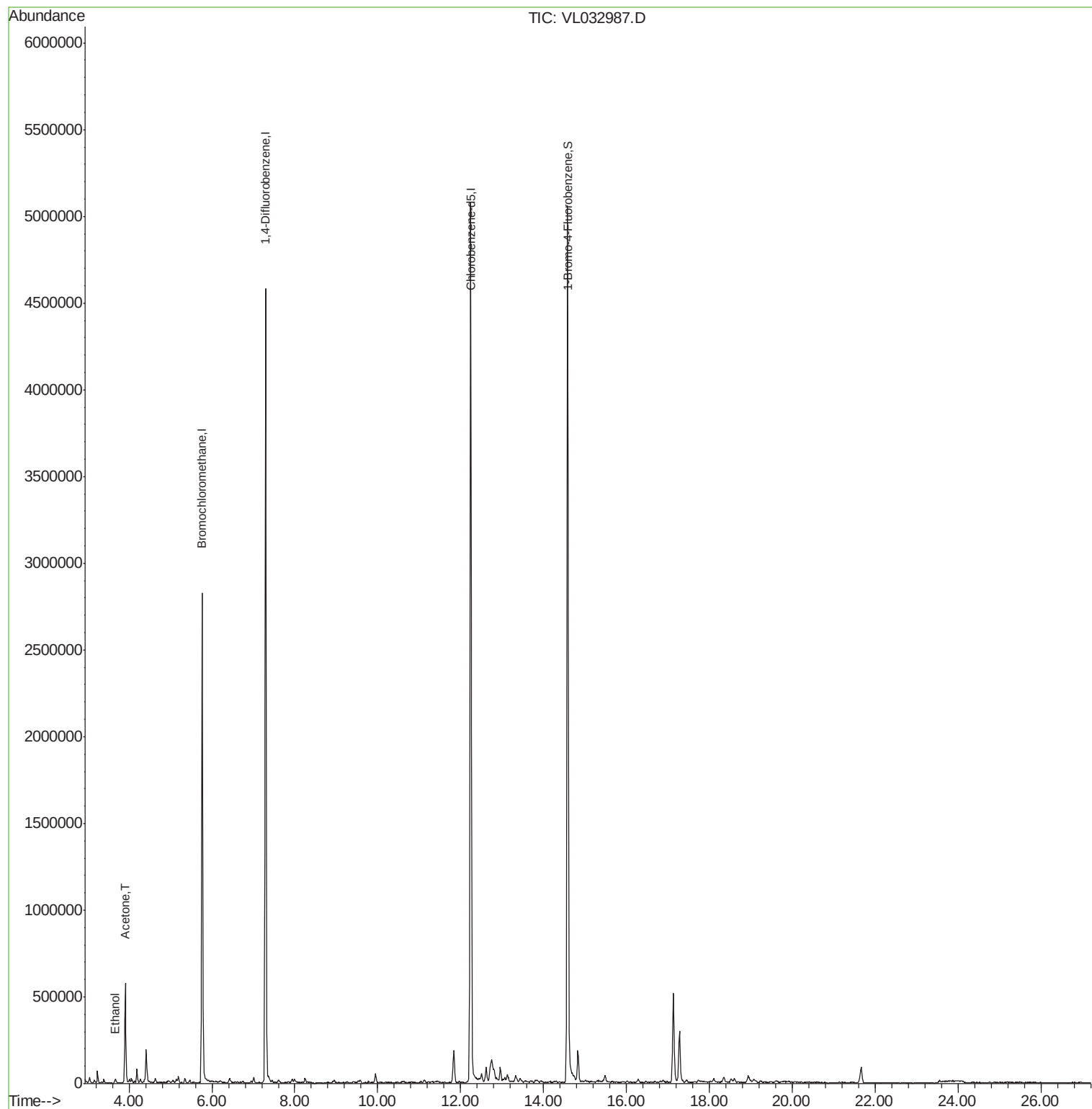
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121318\
Data File : VL032987.D
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Misc : 400ml/MSVOA L
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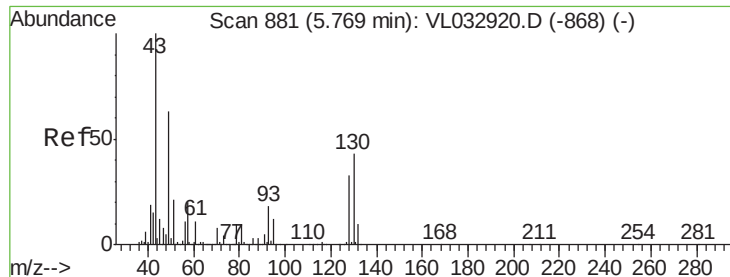
Instrument :
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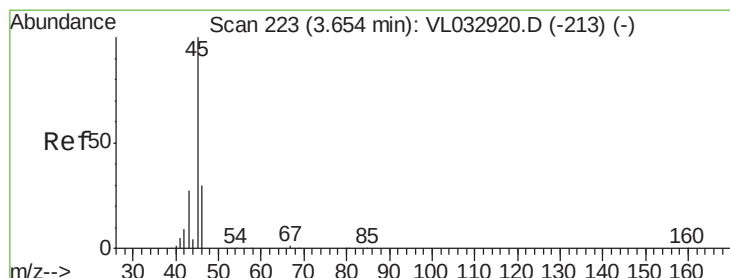
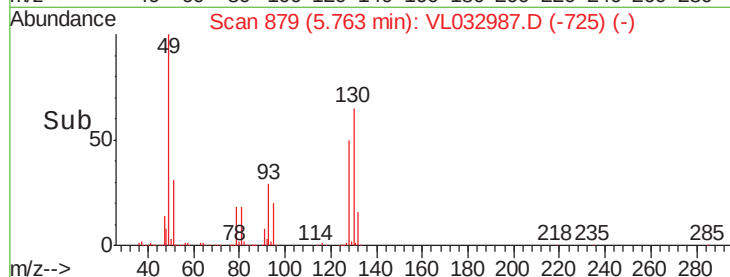
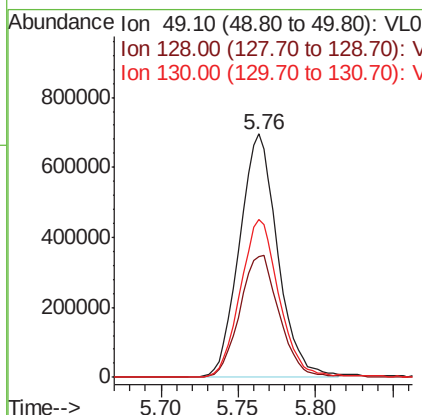
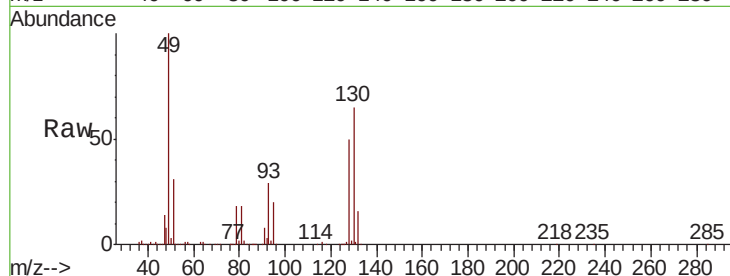
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032987.D
Acq: 13 Dec 2018 17:41

Instrument :
MSVOA_L
ClientSampleId :
A55G4DL

Tot Ion: 49 Resp: 1197864
Ion Ratio Lower Upper
49 100
128 52.6 26.3 78.8
130 66.4 33.9 101.7

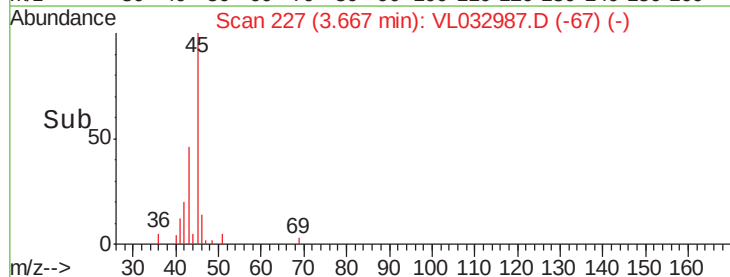
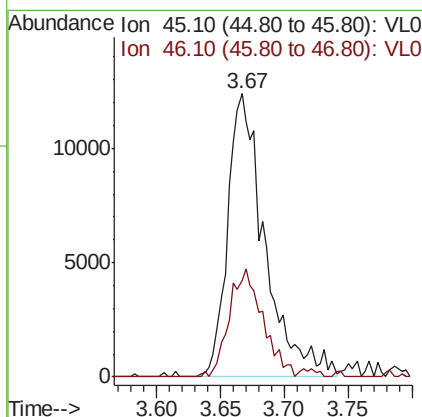
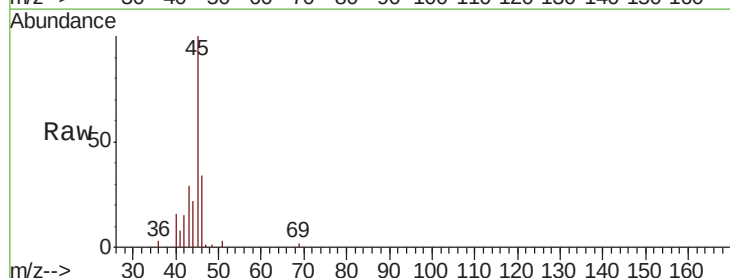
Manual Integrations
APPROVED

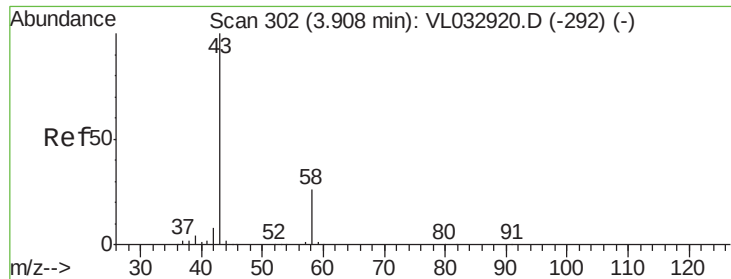
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#13
Ethanol
Concen: 2.021 ppbv m
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032987.D
Acq: 13 Dec 2018 17:41

Tgt Ion: 45 Resp: 24963
Ion Ratio Lower Upper
45 100
46 34.3 13.8 55.4





#15

Acetone

Concen: 5.721 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032987.D

Acq: 13 Dec 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

A55G4DL

Tot Ion: 43 Resp: 588217

Ion Ratio Lower Upper

43 100

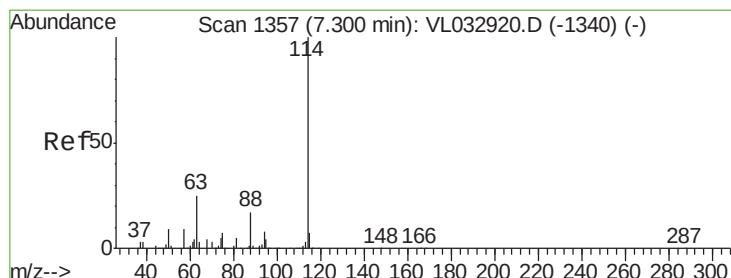
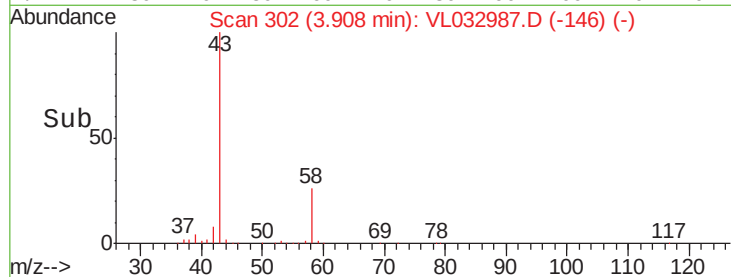
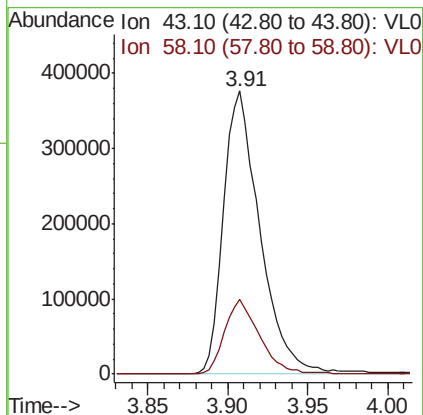
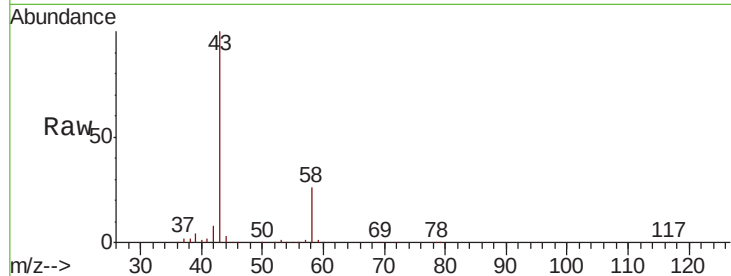
58 25.6 20.6 30.8

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032987.D

Acq: 13 Dec 2018 17:41

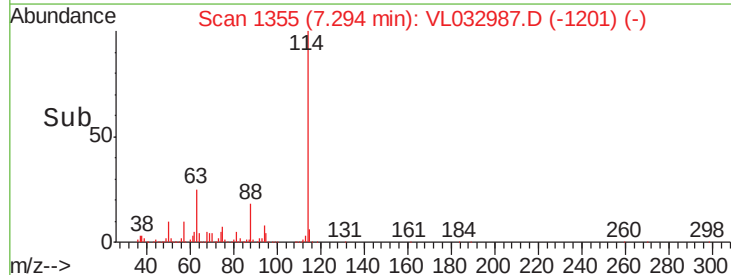
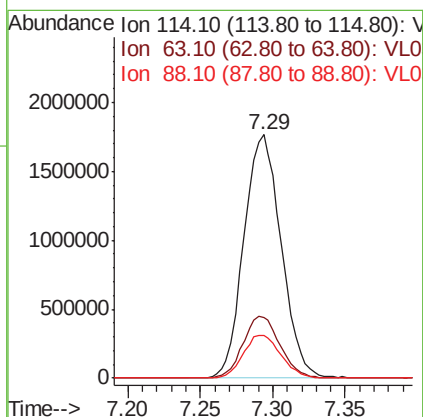
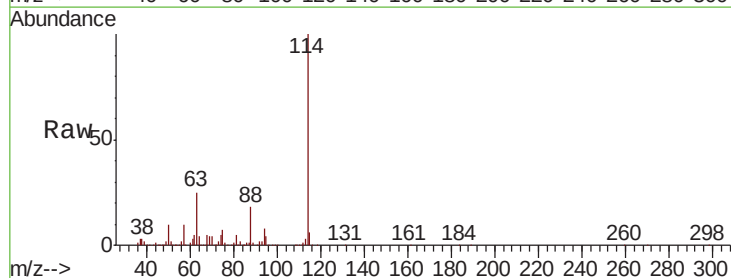
Tgt Ion: 114 Resp: 3164325

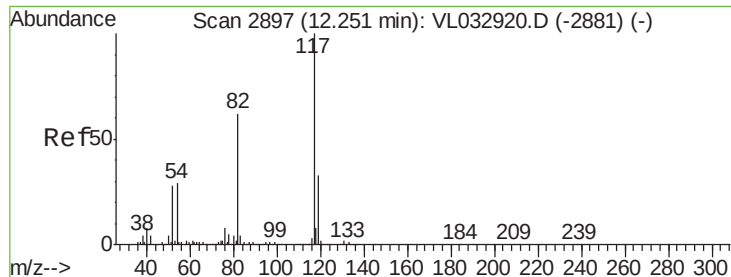
Ion Ratio Lower Upper

114 100

63 25.3 20.1 30.1

88 18.0 14.2 21.4





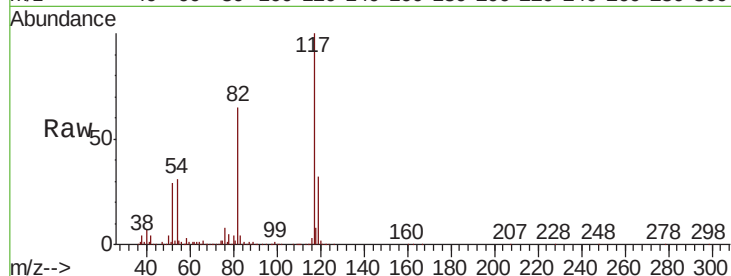
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032987.D
Acq: 13 Dec 2018 17:41

Instrument :
MSVOA_L
ClientSampleId :
A55G4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	47.8	71.8
119	32.4	43.1	64.7

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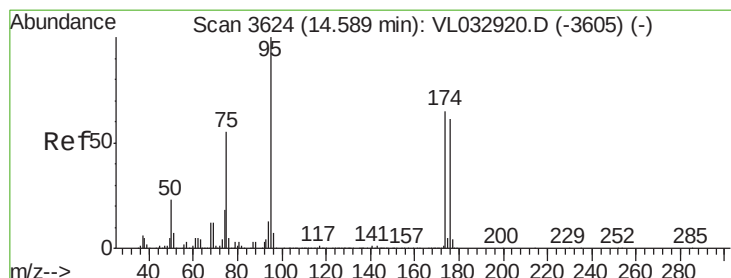
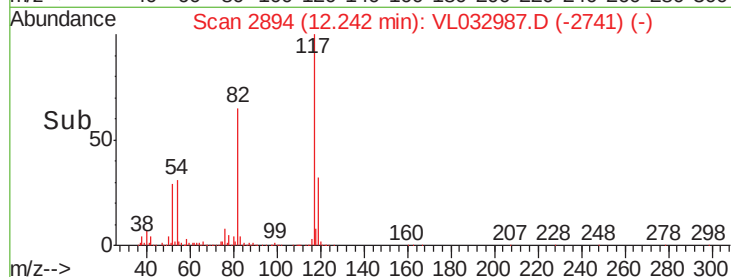
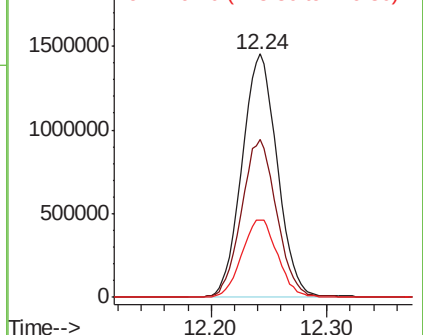


Abundance

Ion 117.10 (116.80 to 117.80): V

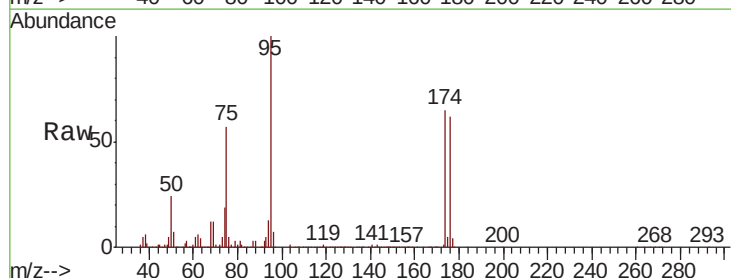
Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.422 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032987.D
Acq: 13 Dec 2018 17:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.4	77.0
175	4.8	3.8	5.6



Abundance

Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

