

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
Data File : VL031982.D
Acq On : 4 May 2018 4:04
Operator : SY/AP
Sample : J2629-02DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG1DL2

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:18 PM

Quant Time: May 04 05:55:50 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1219539	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2426264	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2461803	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	1954182	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.76	45	4972m	0.32	ppbv	
15) Acetone	4.01	43	33942	0.20	ppbv #	86

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

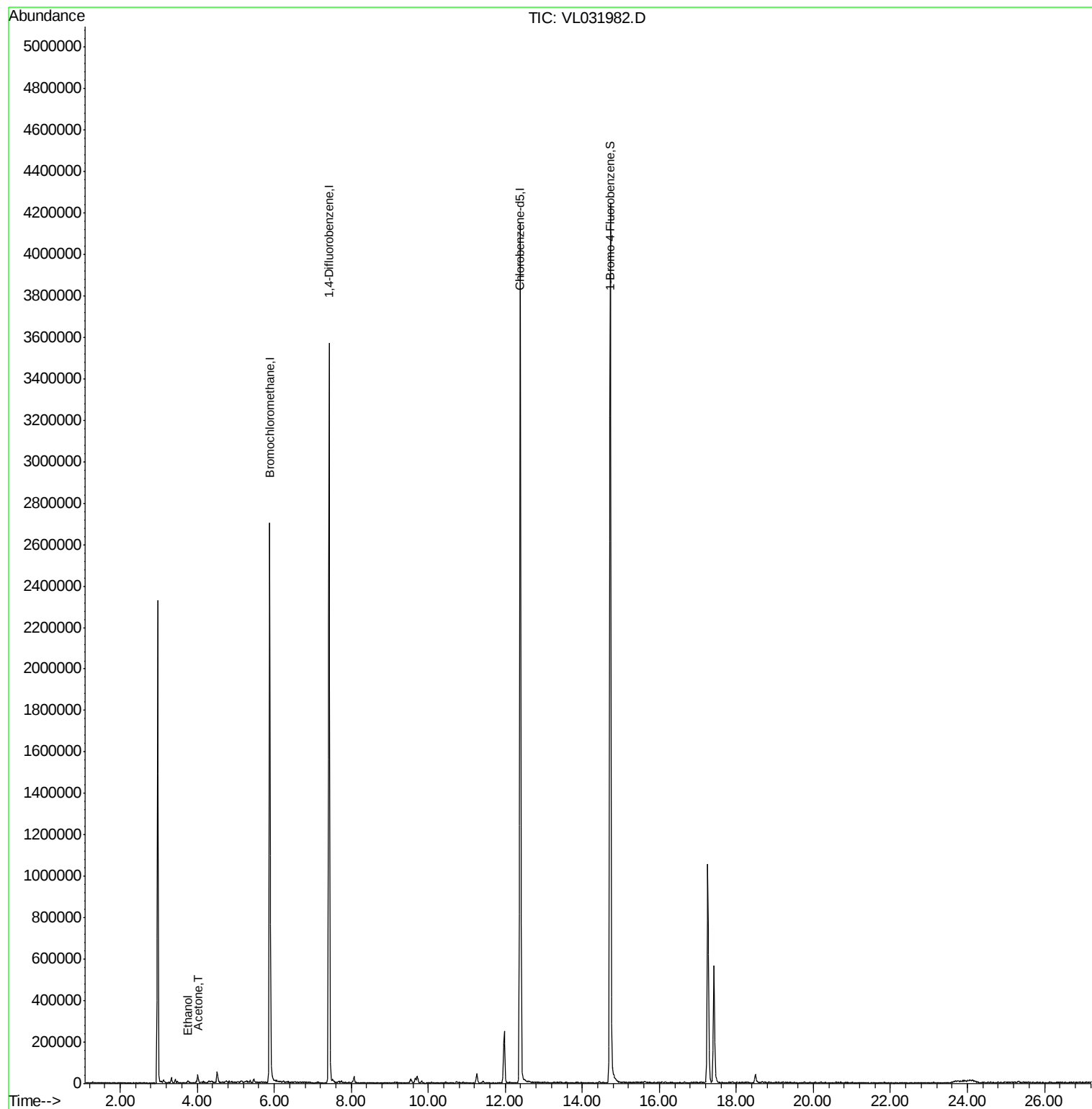
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
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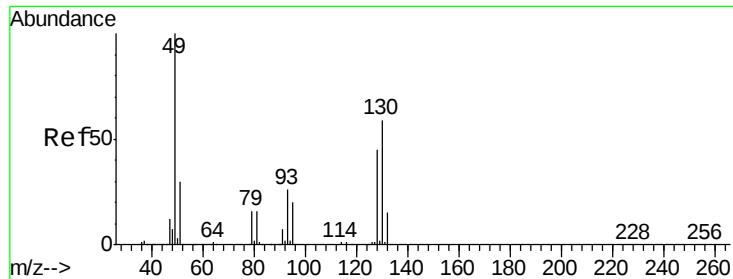
Instrument :
MSVOA_L
ClientSampleId :
SG1DL2

Manual Integrations
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MMDadoda
5/4/2018 5:01:18 PM

Quant Time: May 04 05:55:50 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL031982.D

Acq: 4 May 2018 4:04

Instrument :

MSVOA_L

ClientSampled :

SG1DL2

Tot Ion: 49 Resp: 1219539

Ion Ratio Lower Upper

49 100

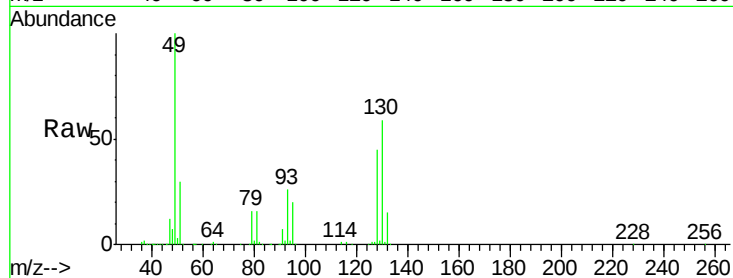
128 49.8 24.1 72.3

130 63.2 30.7 92.1

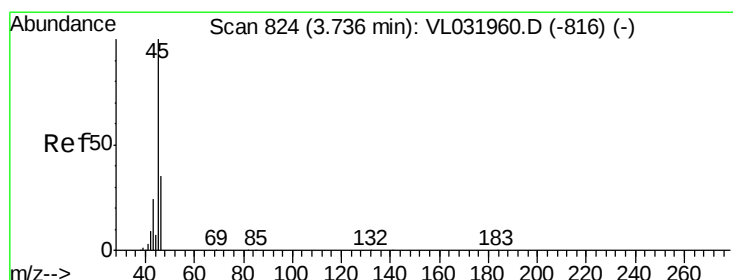
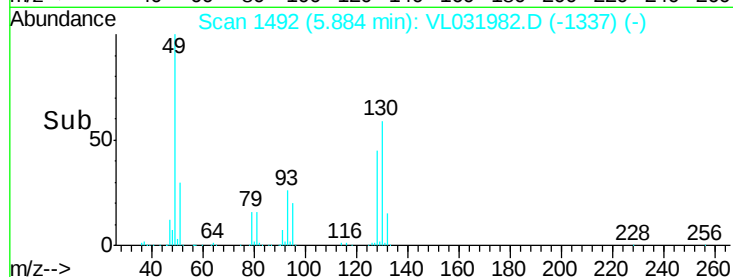
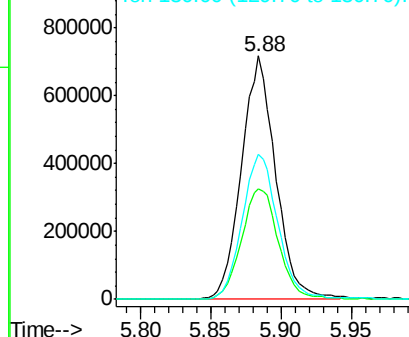
Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.32 ppbv m

RT: 3.76 min Scan# 832

Delta R.T. 0.03 min

Lab File: VL031982.D

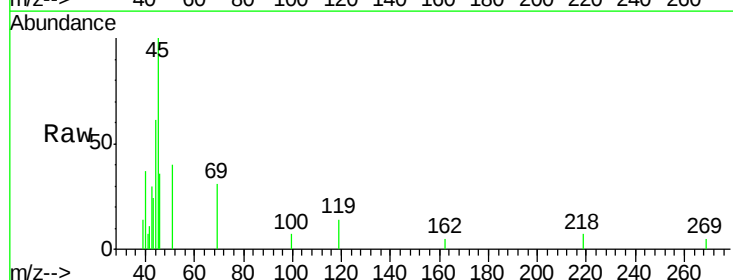
Acq: 4 May 2018 4:04

Tgt Ion: 45 Resp: 4972

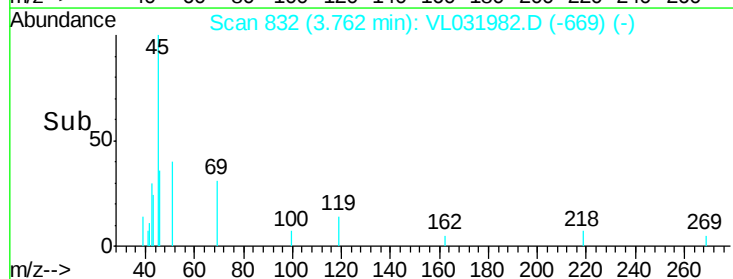
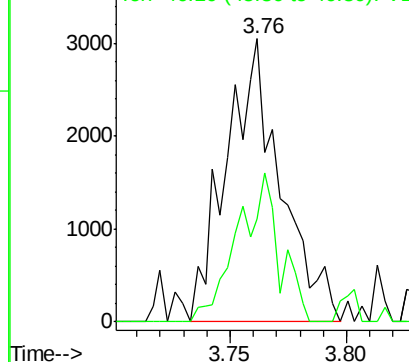
Ion Ratio Lower Upper

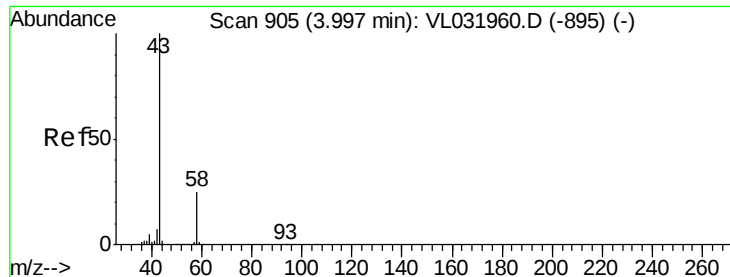
45 100

46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.20 ppbv

RT: 4.01 min Scan# 910

Delta R.T. 0.02 min

Lab File: VL031982.D

Acq: 4 May 2018 4:04

Instrument :

MSVOA_L

ClientSampled :

SG1DL2

Tot Ion: 43 Resp: 33942

Ion Ratio Lower Upper

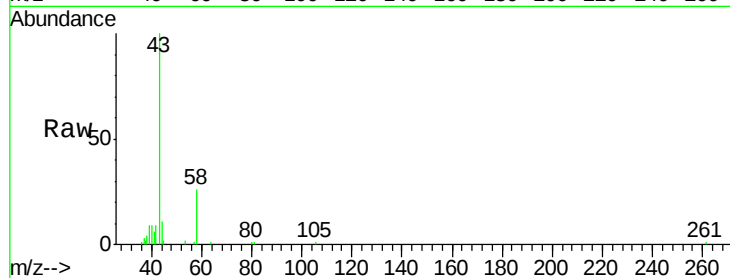
43 100

58 33.5 21.1 31.7#

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

25000

20000

15000

10000

5000

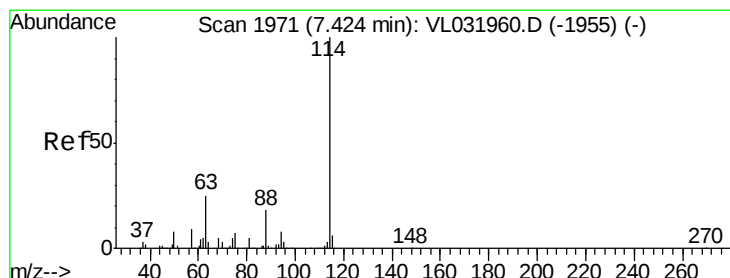
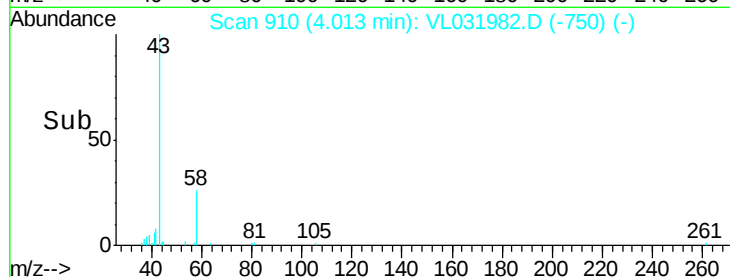
0

4.00

4.01

4.05

Time-->



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VL031982.D

Acq: 4 May 2018 4:04

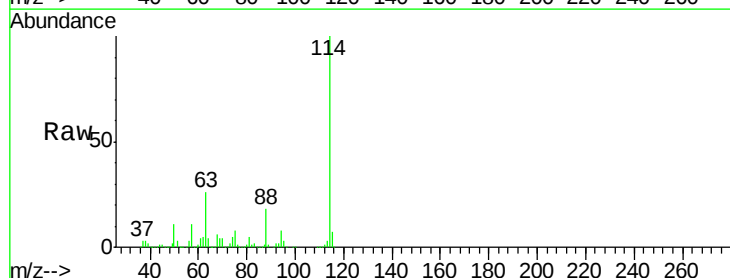
Tgt Ion: 114 Resp: 2426264

Ion Ratio Lower Upper

114 100

63 26.6 20.8 31.2

88 18.4 14.6 21.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

1500000

1000000

500000

0

7.35

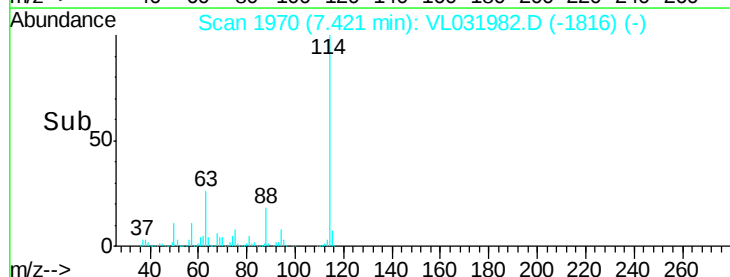
7.40

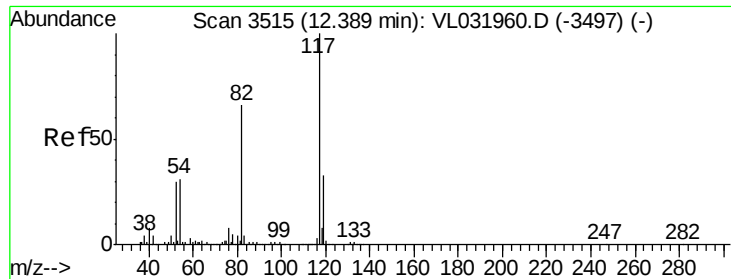
7.42

7.45

7.50

Time-->





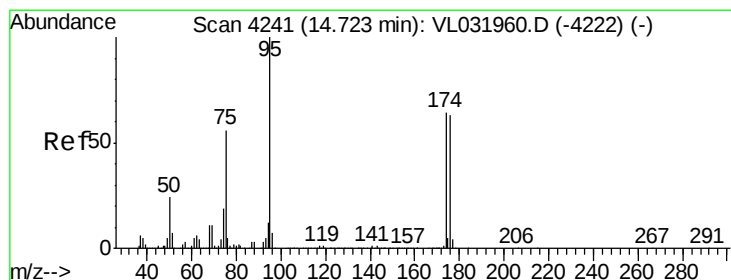
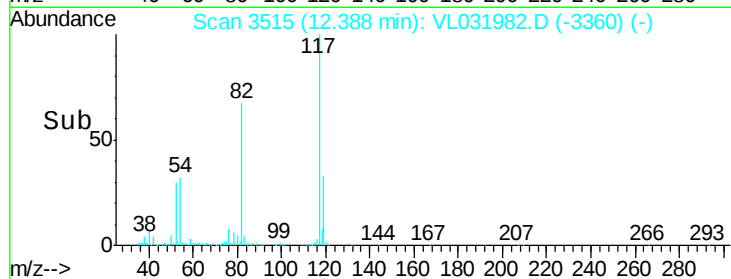
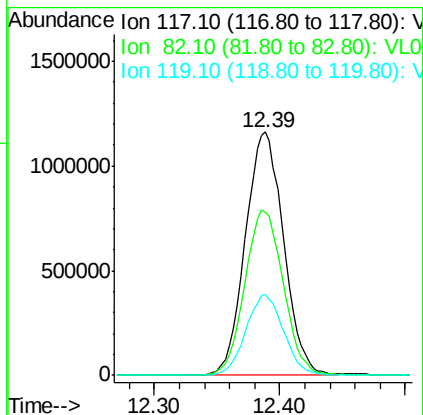
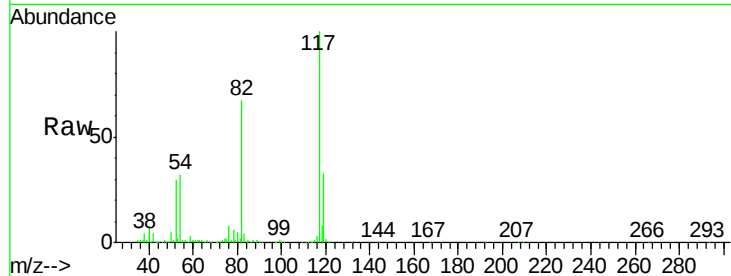
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031982.D
Acq: 4 May 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
SG1DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.6	77.4
119	32.9	44.2	66.4#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.24 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.00 min
Lab File: VL031982.D
Acq: 4 May 2018 4:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	53.0	79.6
175	4.7	3.9	5.9

