

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034289.D
 Acq On : 14 Oct 2019 19:57
 Operator : SY/AP
 Sample : K5353-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Oct 15 07:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1048889	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1770563	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1742072	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1552975	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

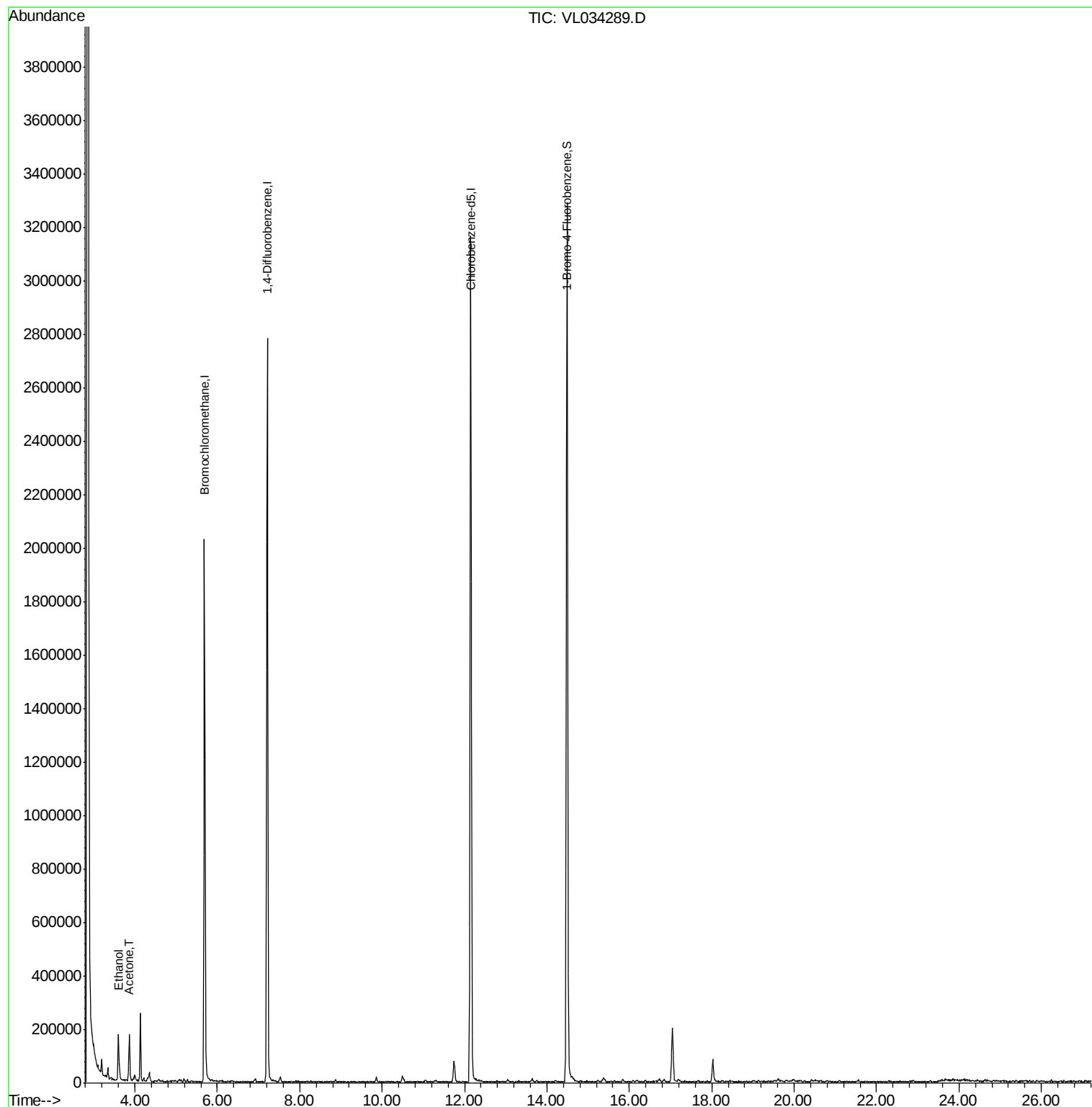
Target Compounds					Ovalue
13) Ethanol	3.60	45	164432	11.191	ppbv 100
15) Acetone	3.86	43	90362	0.643	ppbv 100

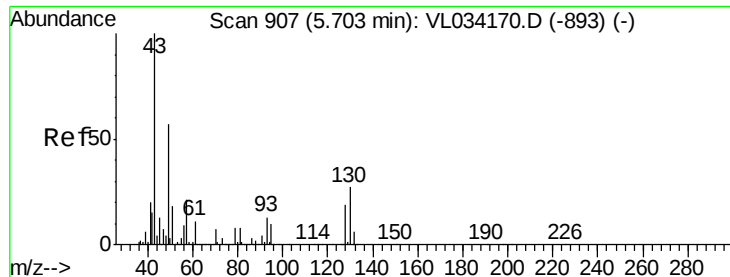
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034289.D

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Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

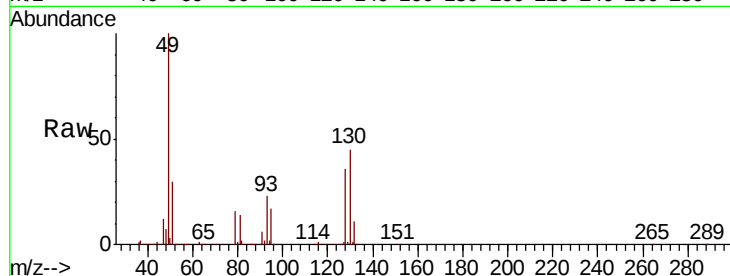
Tot Ion: 49 Resp: 1048889

Ion Ratio Lower Upper

49 100

128 36.2 17.6 52.9

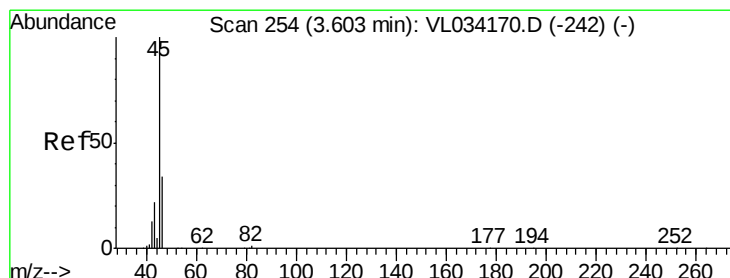
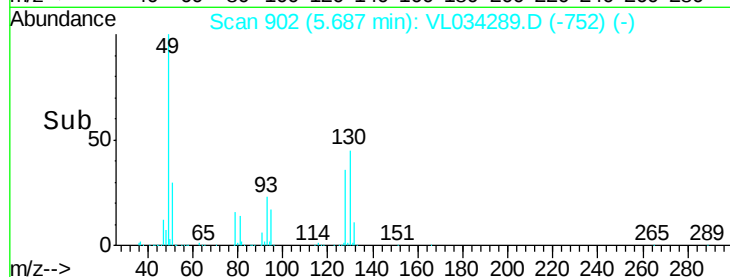
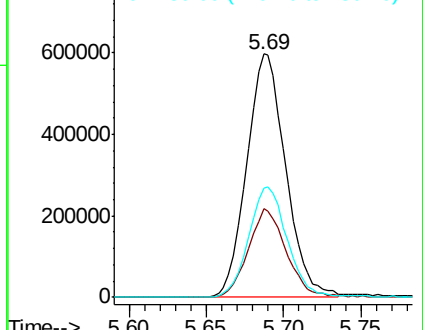
130 45.6 22.3 66.9



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: 11.191 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034289.D

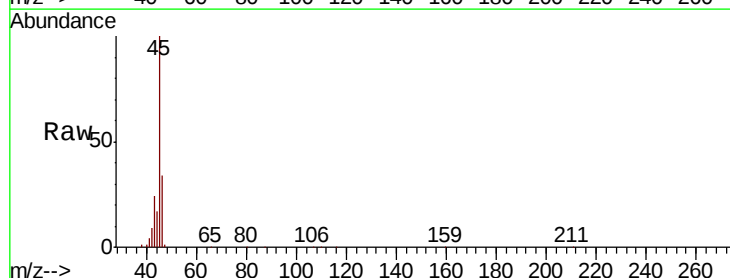
Acq: 14 Oct 2019 19:57

Tgt Ion: 45 Resp: 164432

Ion Ratio Lower Upper

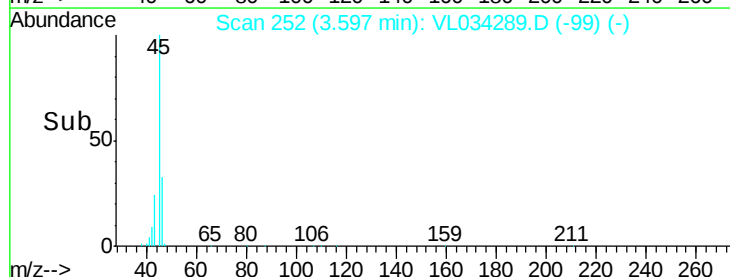
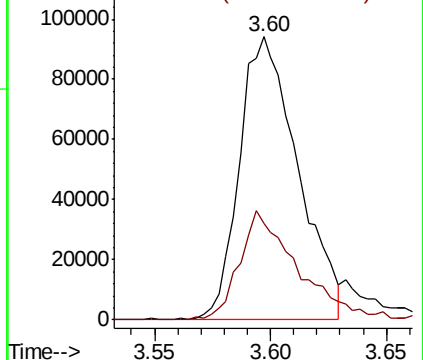
45 100

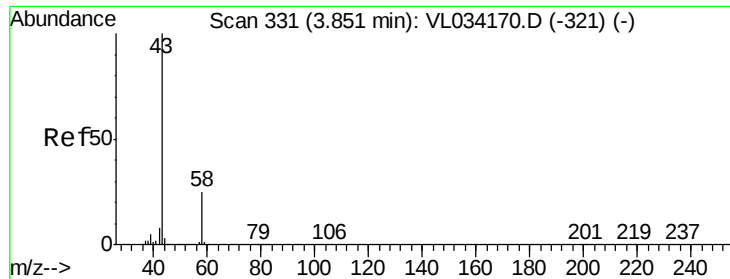
46 38.5 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.643 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Instrument :

MSVOA_L

ClientSampleId :

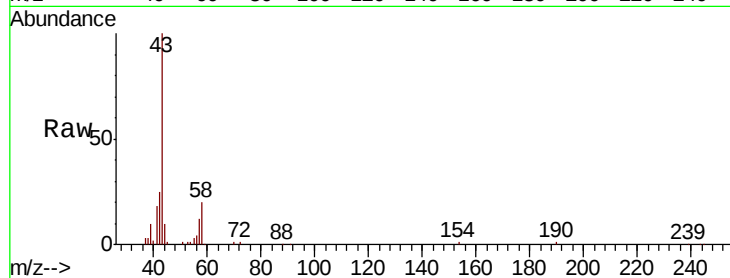
IA-3DL

Tot Ion: 43 Resp: 90362

Ion Ratio Lower Upper

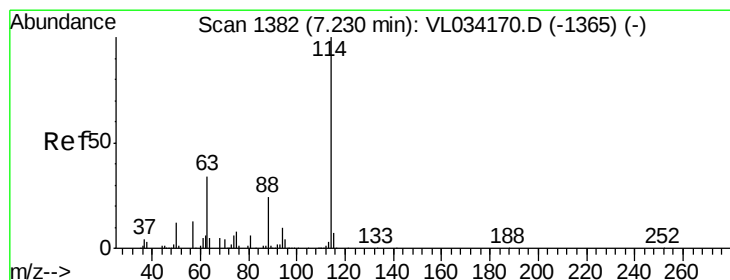
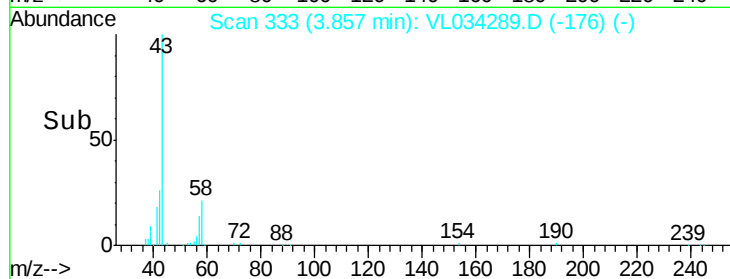
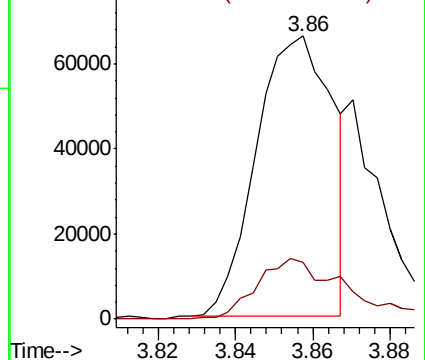
43 100

58 25.5 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

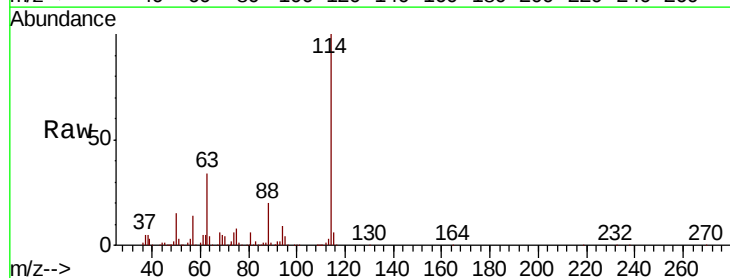
Tgt Ion: 114 Resp: 1770563

Ion Ratio Lower Upper

114 100

63 32.9 27.8 41.6

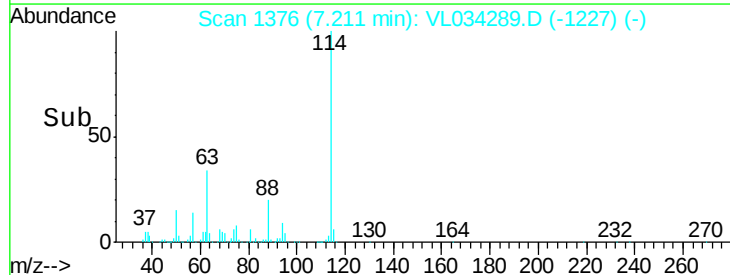
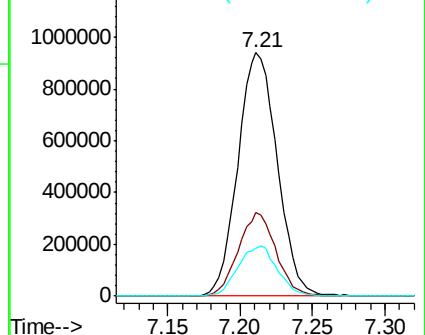
88 20.5 17.1 25.7

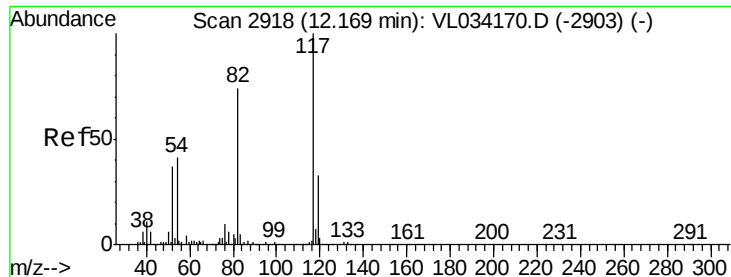


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

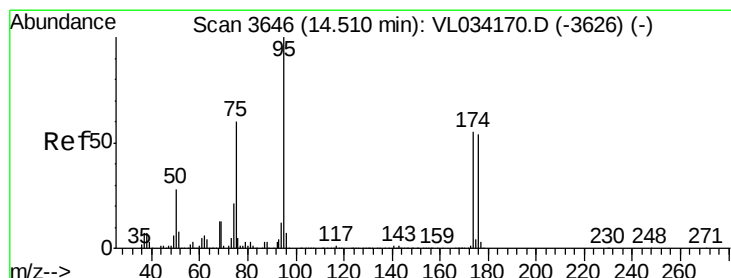
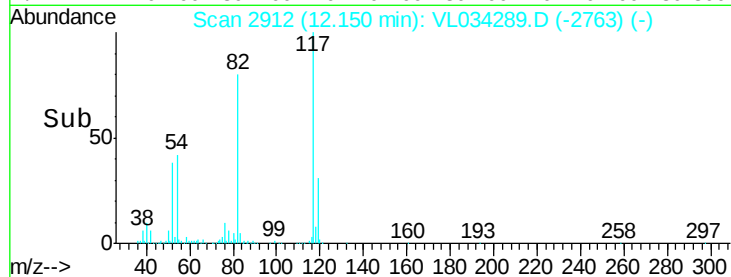
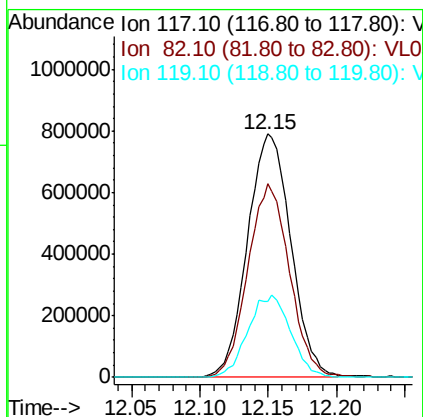
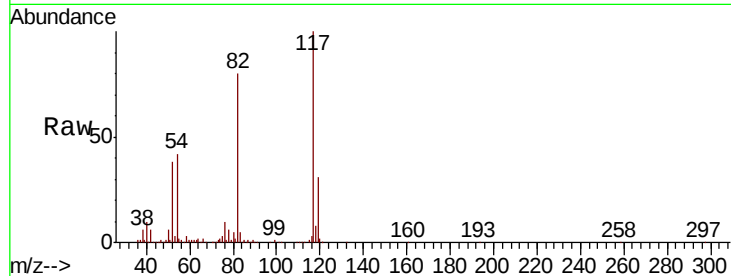




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

Instrument :
MSVOA_L
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IA-3DL

Tot Ion:117 Resp: 1742072
Ion Ratio Lower Upper
117 100
82 77.0 58.2 87.4
119 33.5 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.259 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

Tgt Ion: 95 Resp: 1552975
Ion Ratio Lower Upper
95 100
174 55.7 45.1 67.7
175 4.1 3.3 4.9

