

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034337.D
 Acq On : 18 Oct 2019 9:58
 Operator : SY/AP
 Sample : K5409-01DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Oct 20 19:28:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	774184	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1611590	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1661007	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1392530	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

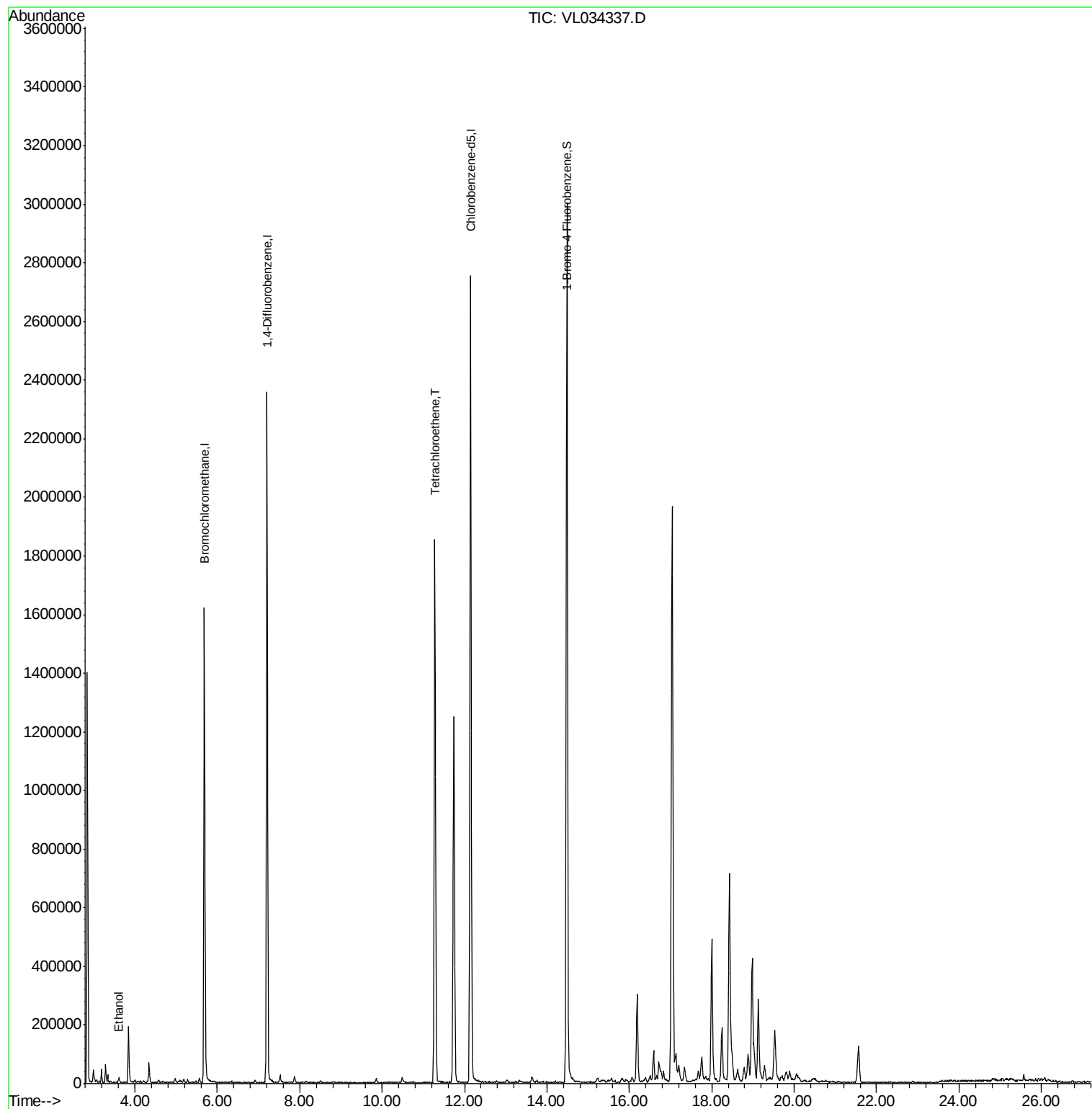
Target Compounds					Ovalue
13) Ethanol	3.60	45	18698	2.076	ppbv 91
52) Tetrachloroethene	11.28	164	458544	7.565	ppbv 96

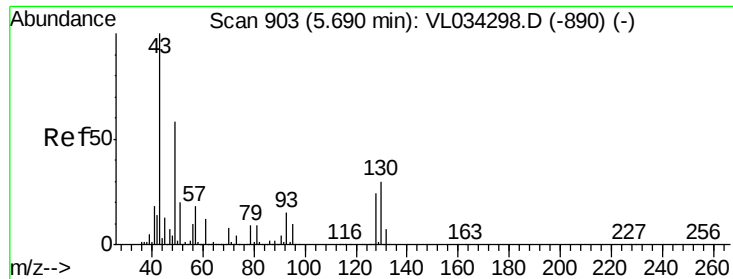
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034337.D

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Instrument :

MSVOA_L

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SV1DL2

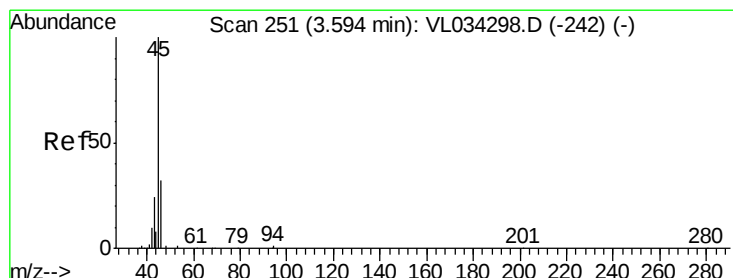
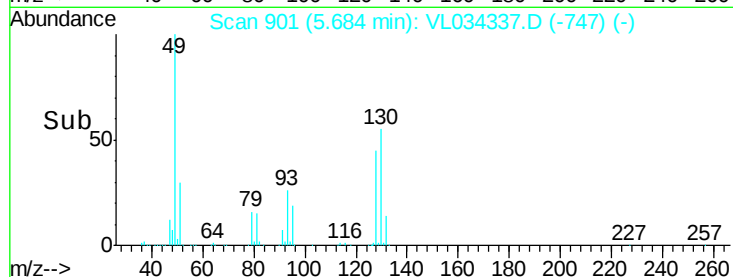
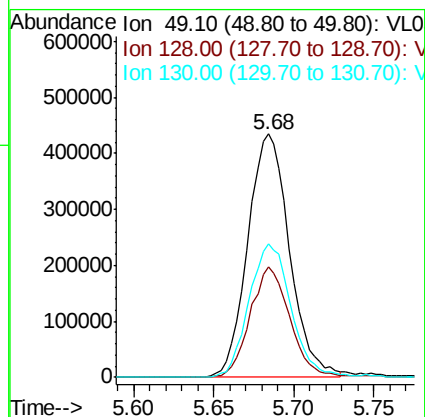
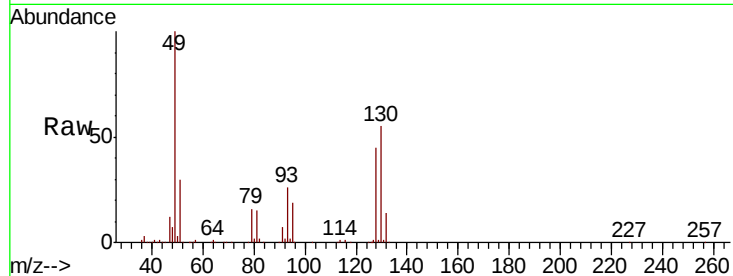
Tot Ion: 49 Resp: 774184

Ion Ratio Lower Upper

49 100

128 43.8 20.6 61.8

130 56.5 26.2 78.5



#13

Ethanol

Concen: 2.076 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL034337.D

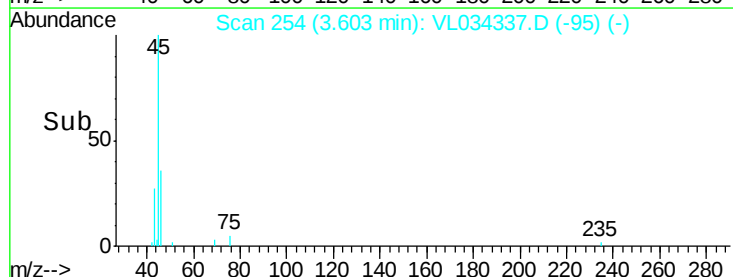
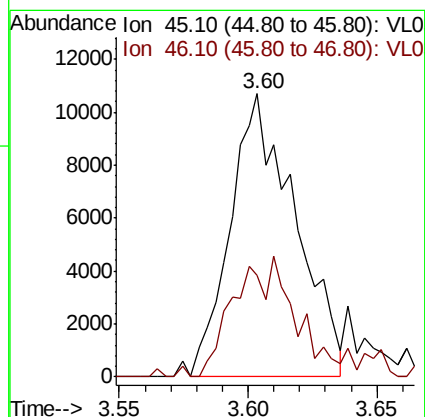
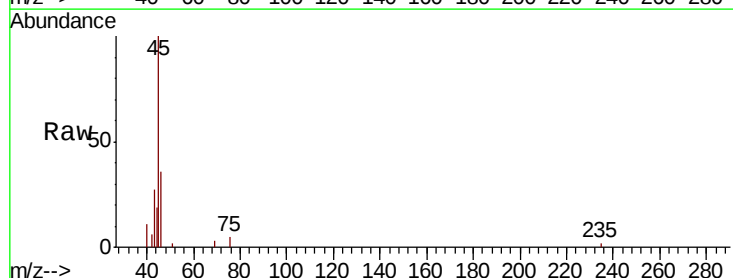
Acq: 18 Oct 2019 9:58

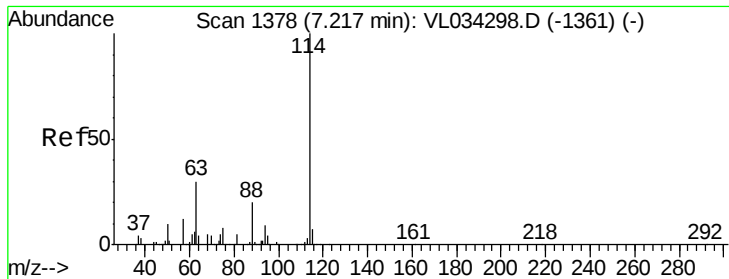
Tgt Ion: 45 Resp: 18698

Ion Ratio Lower Upper

45 100

46 45.2 15.8 63.2

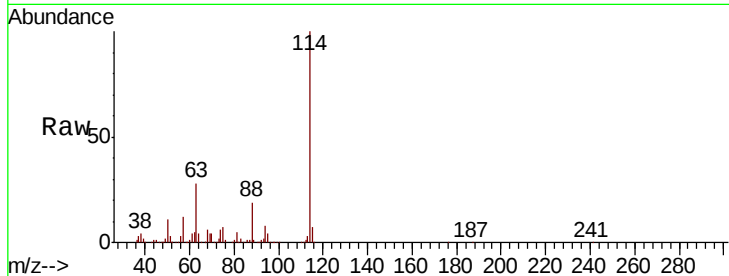




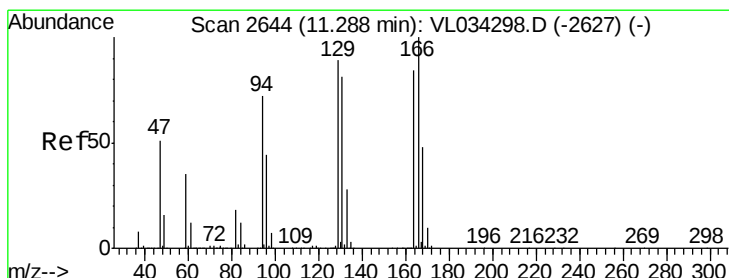
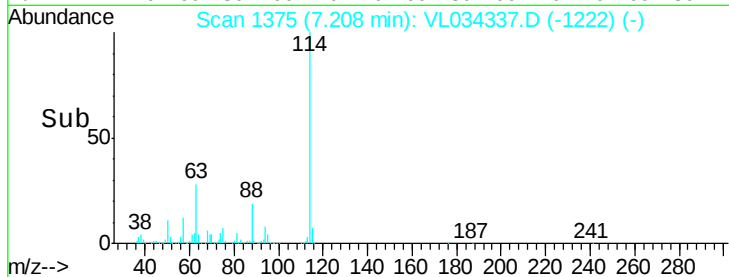
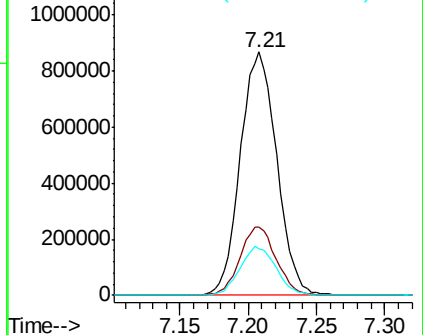
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034337.D
 Acq: 18 Oct 2019 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion:114 Resp: 1611590
 Ion Ratio Lower Upper
 114 100
 63 27.9 25.2 37.8
 88 19.8 16.0 24.0

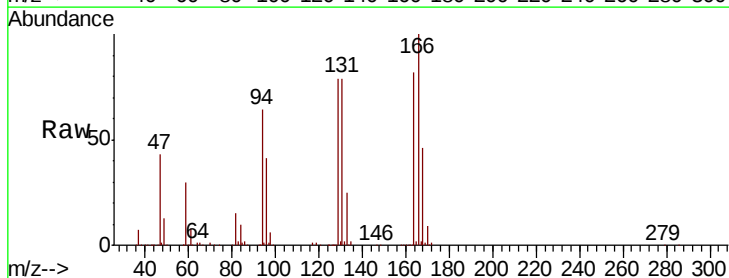


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

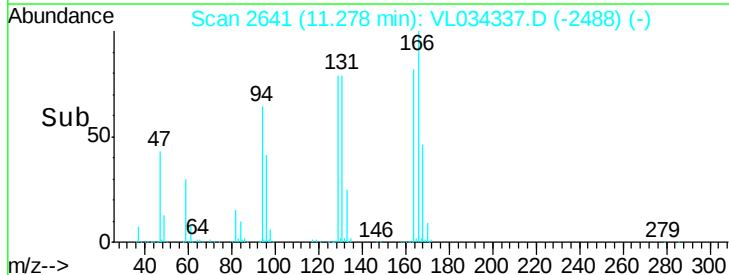
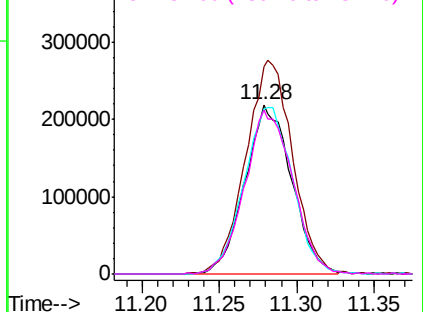


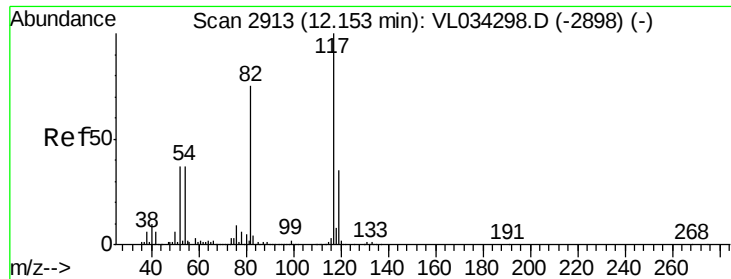
#52
 Tetrachloroethene
 Concen: 7.565 ppbv
 RT: 11.28 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: VL034337.D
 Acq: 18 Oct 2019 9:58

Tgt Ion:164 Resp: 458544
 Ion Ratio Lower Upper
 164 100
 166 122.2 95.3 142.9
 129 97.0 84.5 126.7
 131 95.9 77.3 115.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V

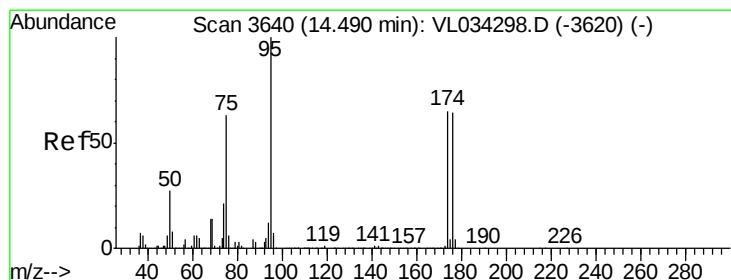
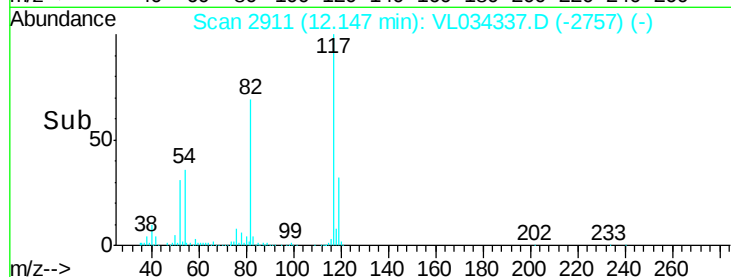
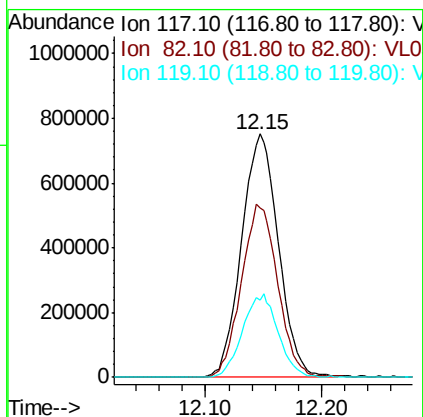
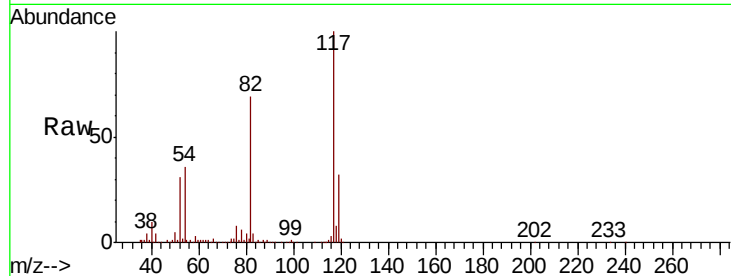




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034337.D
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Instrument :
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Tot Ion:117 Resp: 1661007
Ion Ratio Lower Upper
117 100
82 70.3 55.5 83.3
119 33.5 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.899 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. -0.01 min
Lab File: VL034337.D
Acq: 18 Oct 2019 9:58

Tgt Ion: 95 Resp: 1392530
Ion Ratio Lower Upper
95 100
174 68.8 52.6 78.8
175 4.8 3.8 5.6

