

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034388.D
 Acq On : 19 Nov 2019 20:54
 Operator : SY/AP
 Sample : QC110719 CAN 10449
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC110719 CAN 10449

Quant Time: Nov 20 04:06:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	949251	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1836990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1827116	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1557833	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

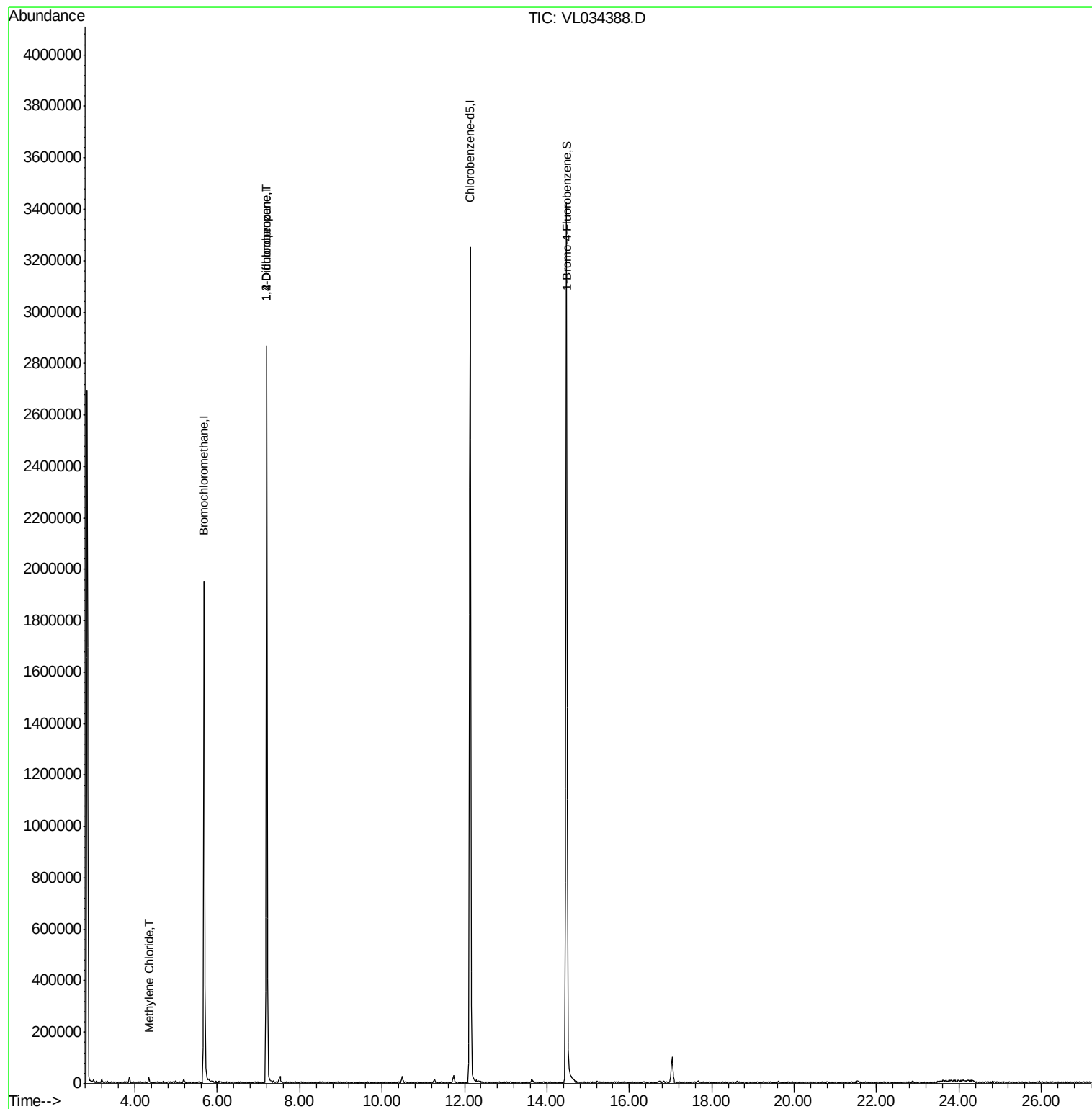
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.34	84	1657	0.034	ppbv #	42
39) 1,2-Dichloropropane	7.20	63	558585	7.175	ppbv #	23

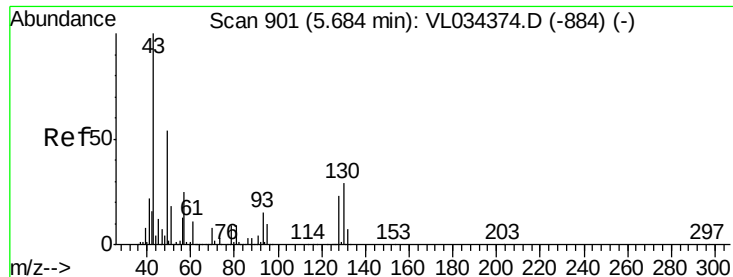
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

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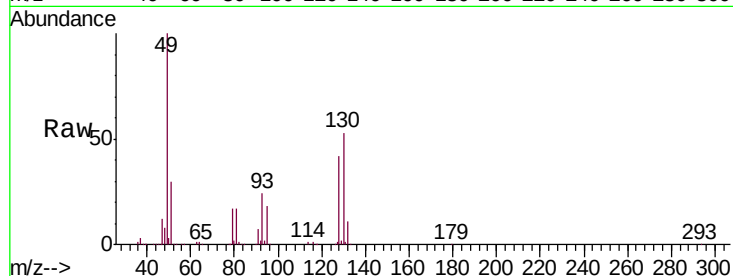
Tgt Ion: 49 Resp: 949251

Ion Ratio Lower Upper

49 100

128 43.8 21.8 65.3

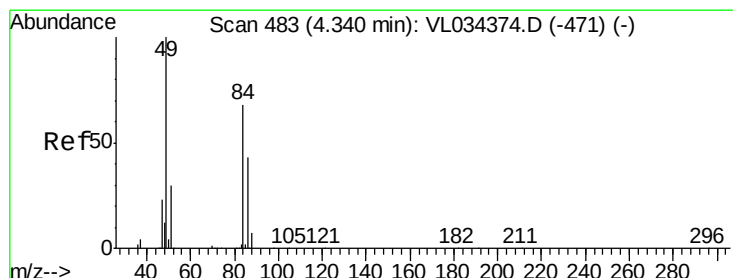
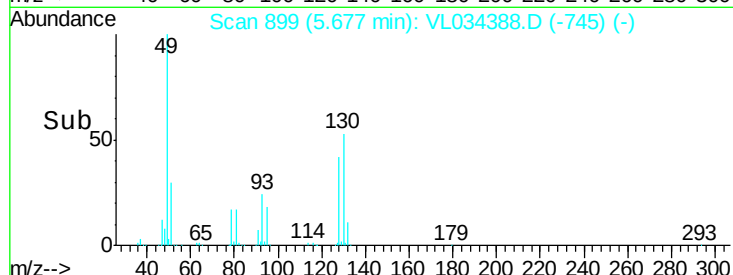
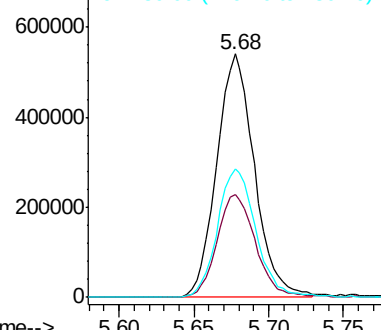
130 53.8 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.034 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL034388.D

Acq: 19 Nov 2019 20:54

Tgt Ion: 84 Resp: 1657

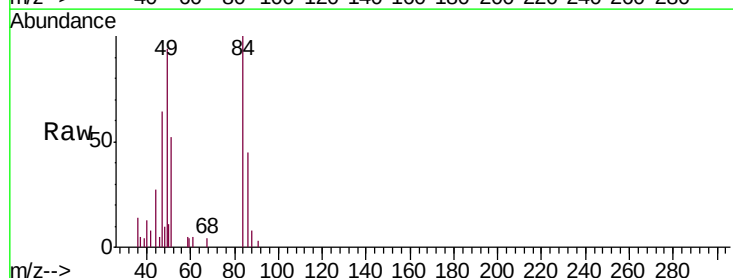
Ion Ratio Lower Upper

84 100

49 61.9 116.8 175.2#

51 60.8 35.6 53.4#

86 18.2 50.7 76.1#

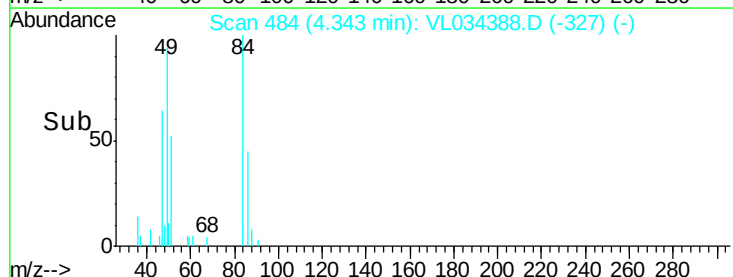
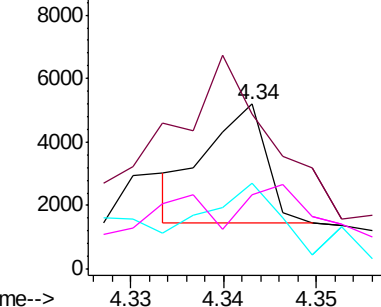


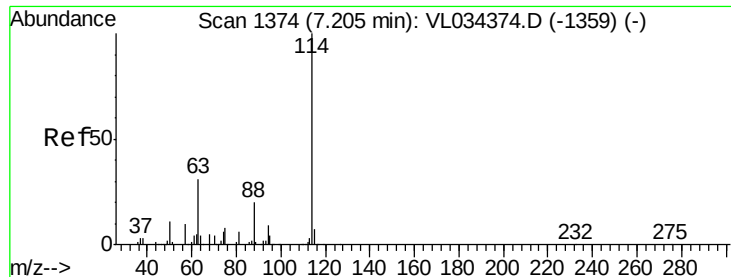
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

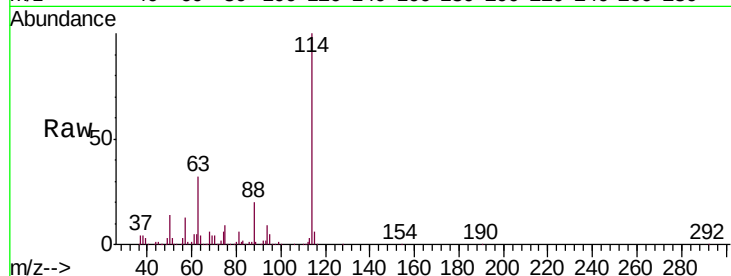




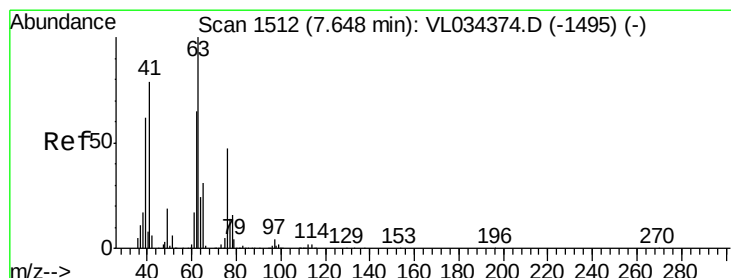
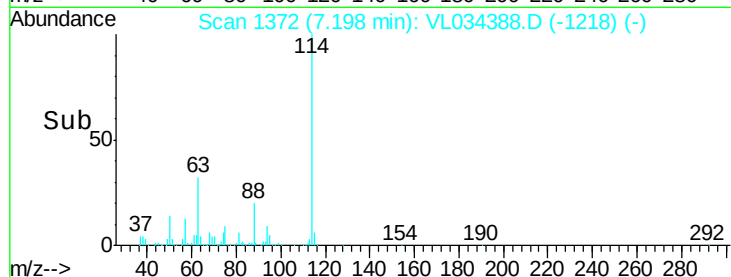
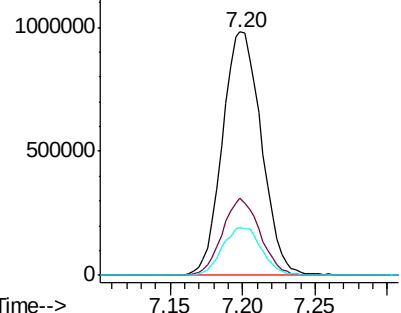
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034388.D
 Acq: 19 Nov 2019 20:54

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 QC110719 CAN 10449

Tgt Ion: 114 Resp: 1836990
 Ion Ratio Lower Upper
 114 100
 63 30.6 24.2 36.4
 88 19.8 15.9 23.9

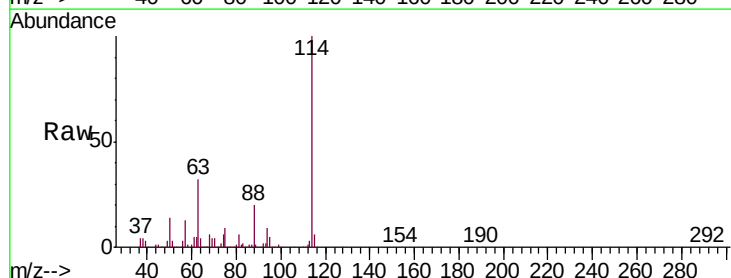


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

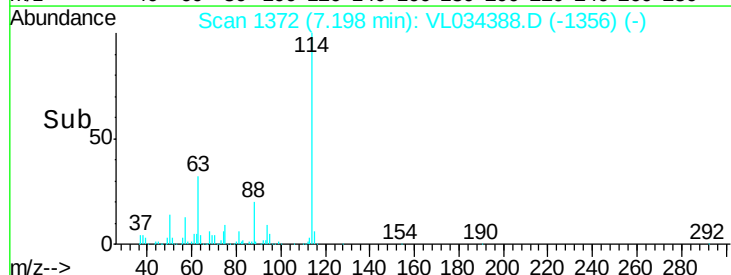
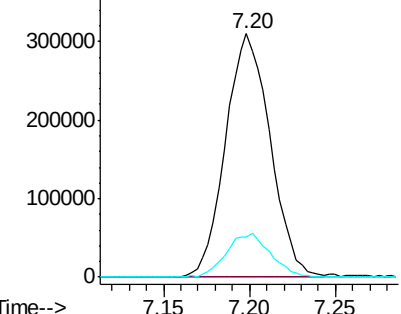


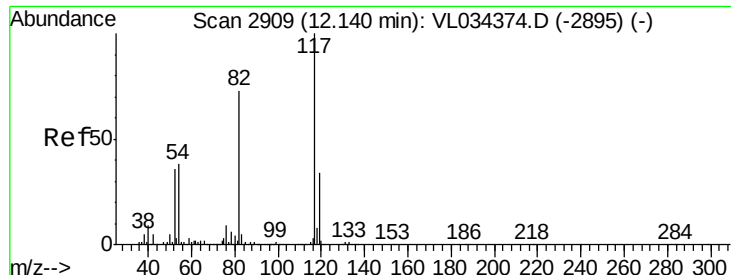
#39
 1,2-Dichloropropane
 Concen: 7.175 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.45 min
 Lab File: VL034388.D
 Acq: 19 Nov 2019 20:54

Tgt Ion: 63 Resp: 558585
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 16.3 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

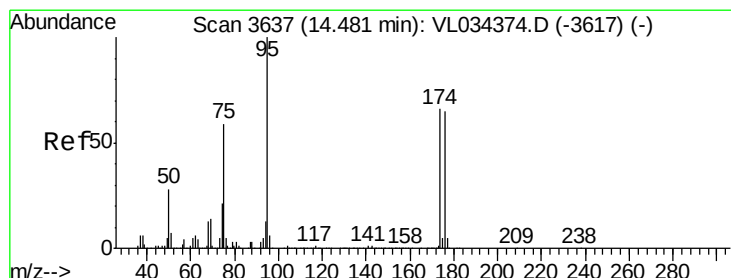
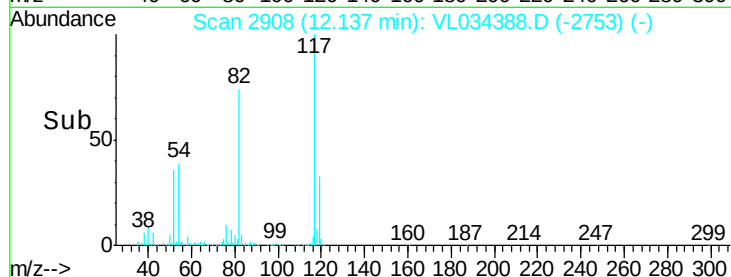
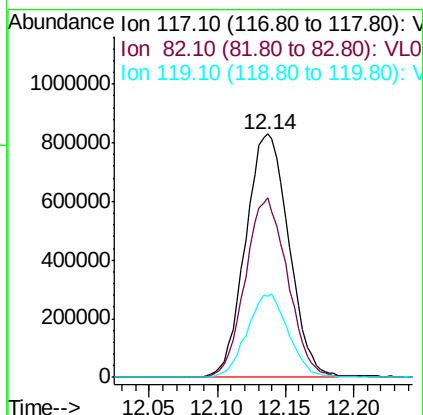
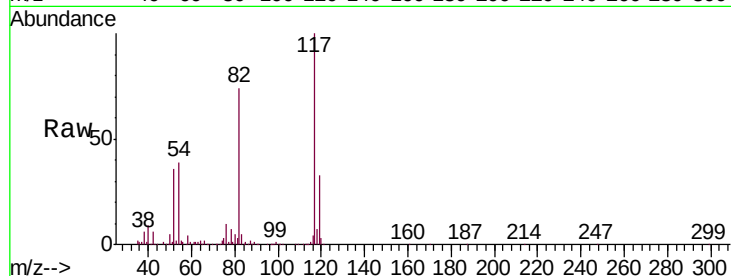




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034388.D
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Tgt Ion: 117 Resp: 1827116
Ion Ratio Lower Upper
117 100
82 72.9 57.5 86.3
119 33.1 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.135 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034388.D
Acq: 19 Nov 2019 20:54

Tgt Ion: 95 Resp: 1557833
Ion Ratio Lower Upper
95 100
174 65.8 52.2 78.2
175 4.7 3.8 5.8

