

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035783.D
 Acq On : 16 Oct 2020 12:39
 Operator : SY/AP
 Sample : VL1016ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABL01

Quant Time: Oct 17 03:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1226242	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4480651	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4508016	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3372714	9.98	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

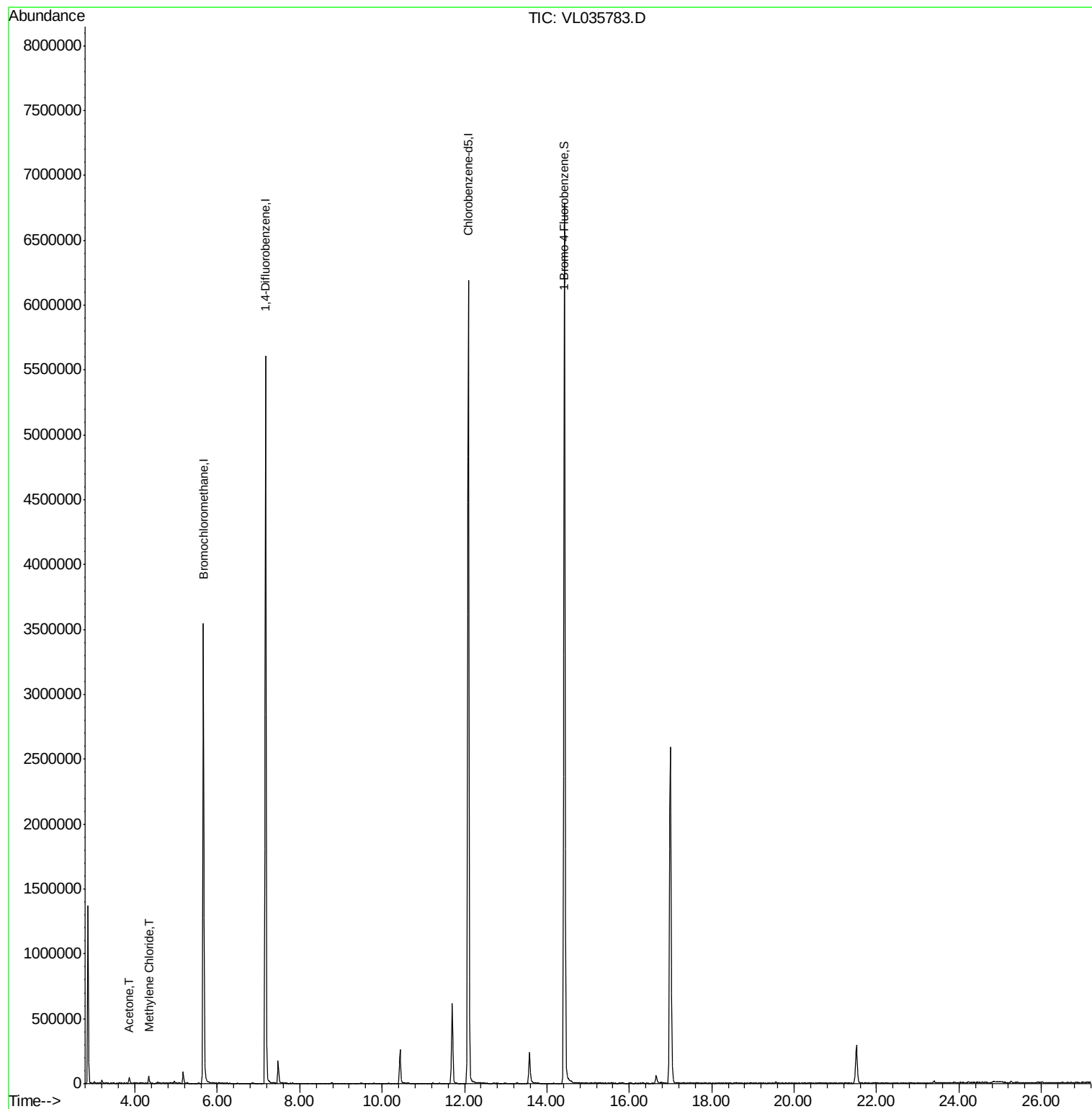
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	34391	0.261	ppbv	# 24
20) Methylene Chloride	4.34	84	22035	0.227	ppbv	98

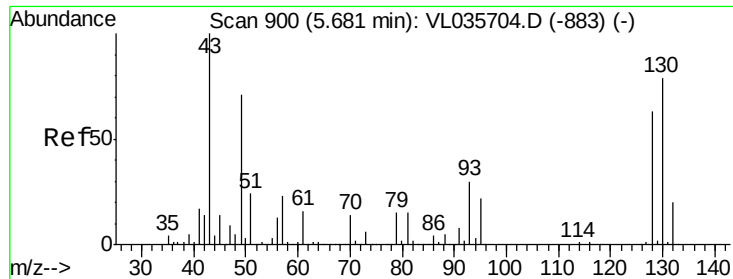
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABL01

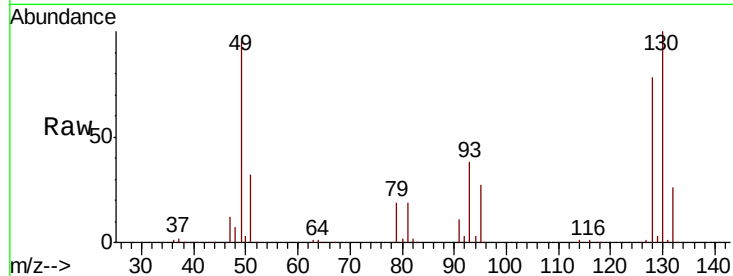
Tot Ion: 49 Resp: 1226242

Ion Ratio Lower Upper

49 100

128 83.0 43.1 129.4

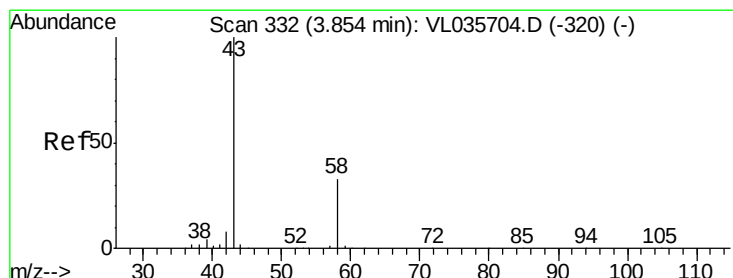
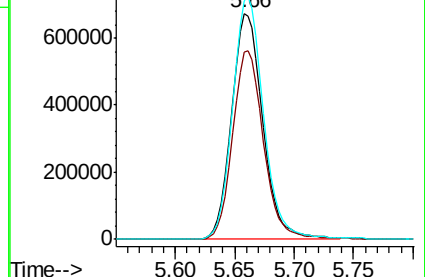
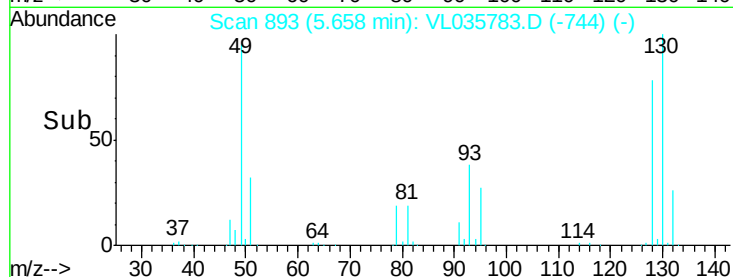
130 107.0 54.9 164.7



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



#15

Acetone

Concen: 0.261 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035783.D

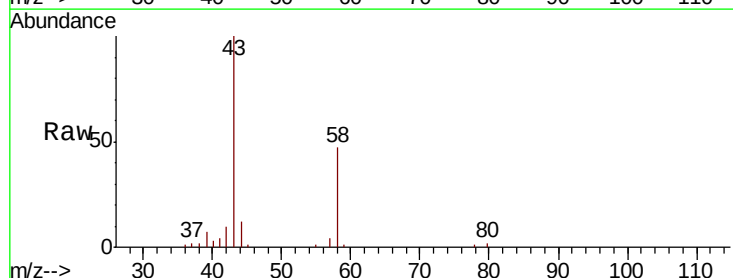
Acq: 16 Oct 2020 12:39

Tgt Ion: 43 Resp: 34391

Ion Ratio Lower Upper

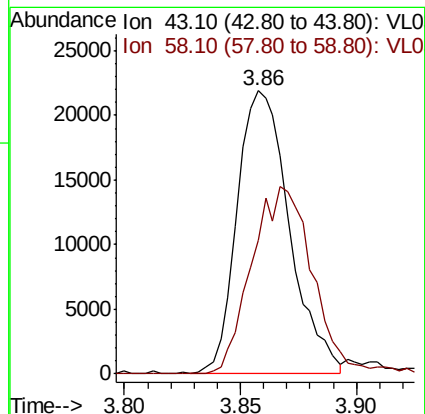
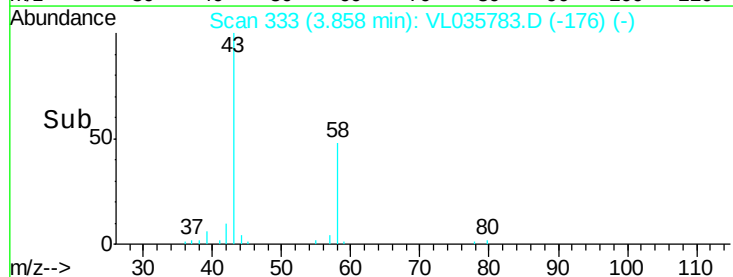
43 100

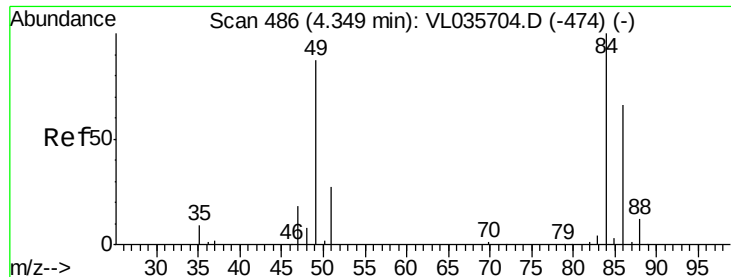
58 77.5 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methvlene Chloride

Concen: 0.227 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABL01

Tot Ion: 84 Resp: 22035

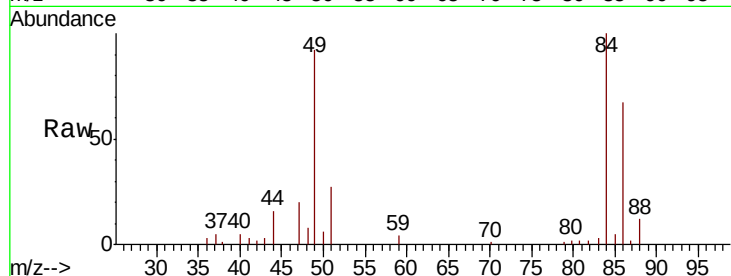
Ion Ratio Lower Upper

84 100

49 90.5 69.8 104.6

51 27.5 21.8 32.8

86 65.8 52.6 78.8

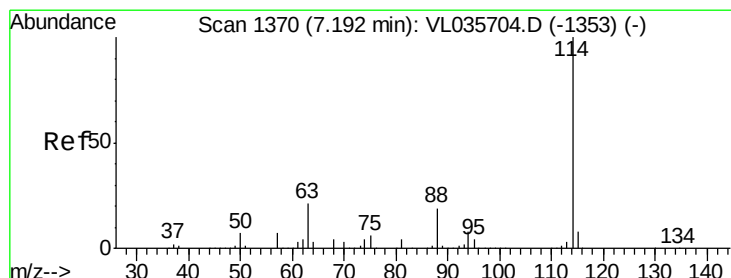
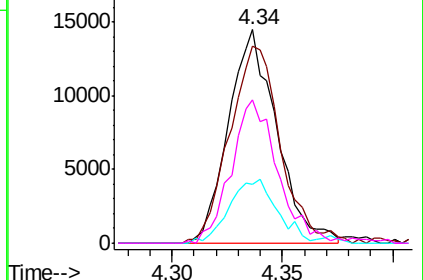
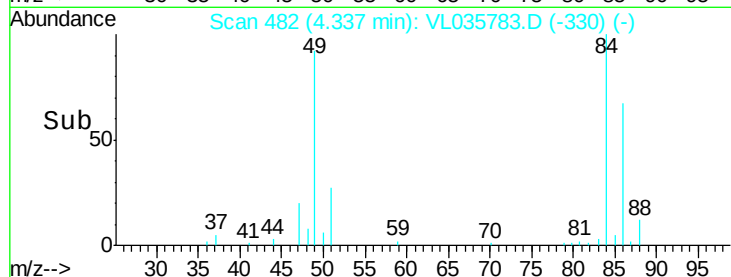


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.17 min Scan# 1364

Delta R.T. -0.02 min

Lab File: VL035783.D

Acq: 16 Oct 2020 12:39

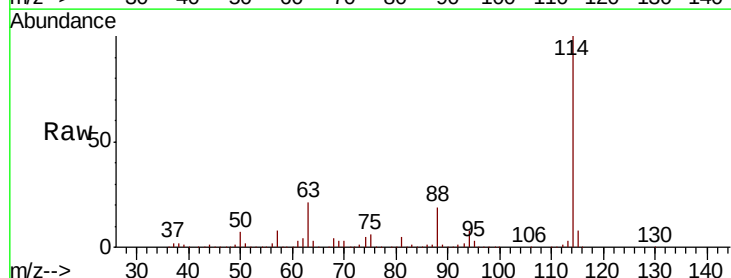
Tgt Ion: 114 Resp: 4480651

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

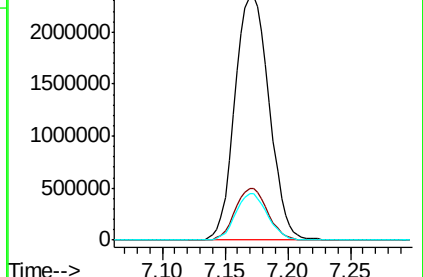
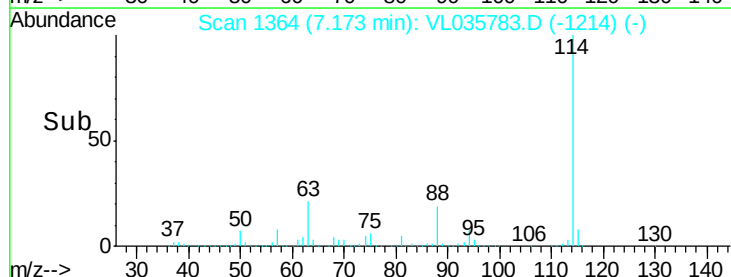
88 17.7 14.1 21.1

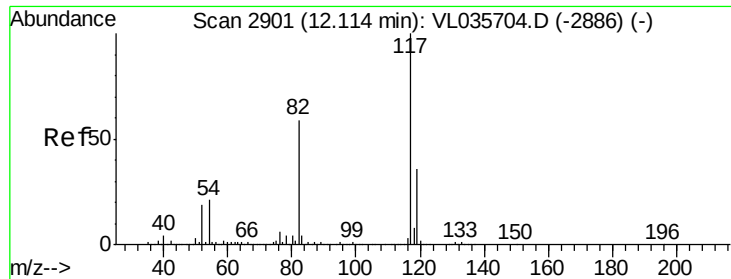


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

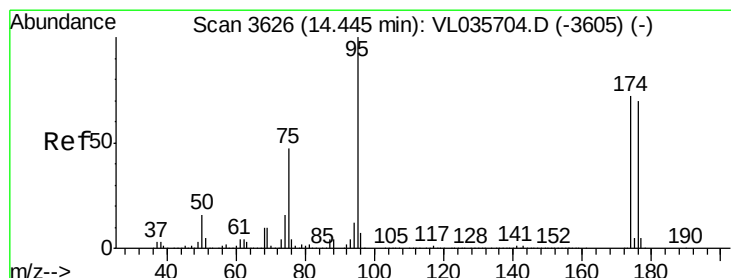
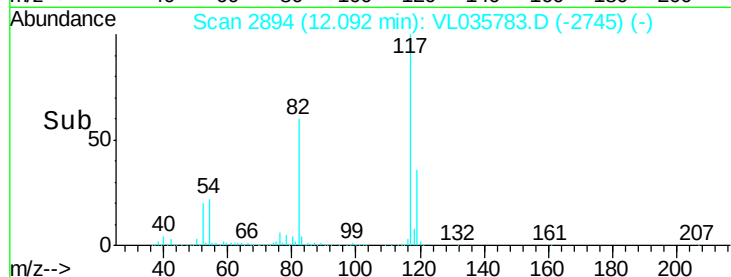
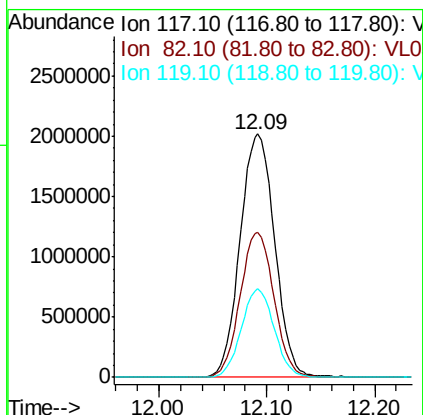
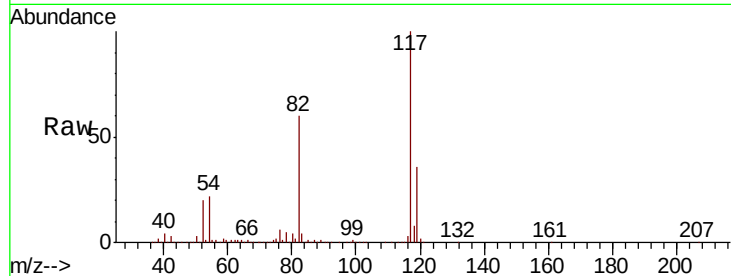




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035783.D
Acq: 16 Oct 2020 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABL01

Tot Ion:117 Resp: 4508016
Ion Ratio Lower Upper
117 100
82 58.5 46.1 69.1
119 34.7 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.984 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.02 min
Lab File: VL035783.D
Acq: 16 Oct 2020 12:39

Tgt Ion: 95 Resp: 3372714
Ion Ratio Lower Upper
95 100
174 76.7 59.6 89.4
175 5.5 4.2 6.4

