

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031020\
 Data File : VL034871.D
 Acq On : 10 Mar 2020 18:18
 Operator : SY/AP
 Sample : L1861-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-2DL

Quant Time: Mar 11 07:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	923273	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2040611	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2024170	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1608540	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

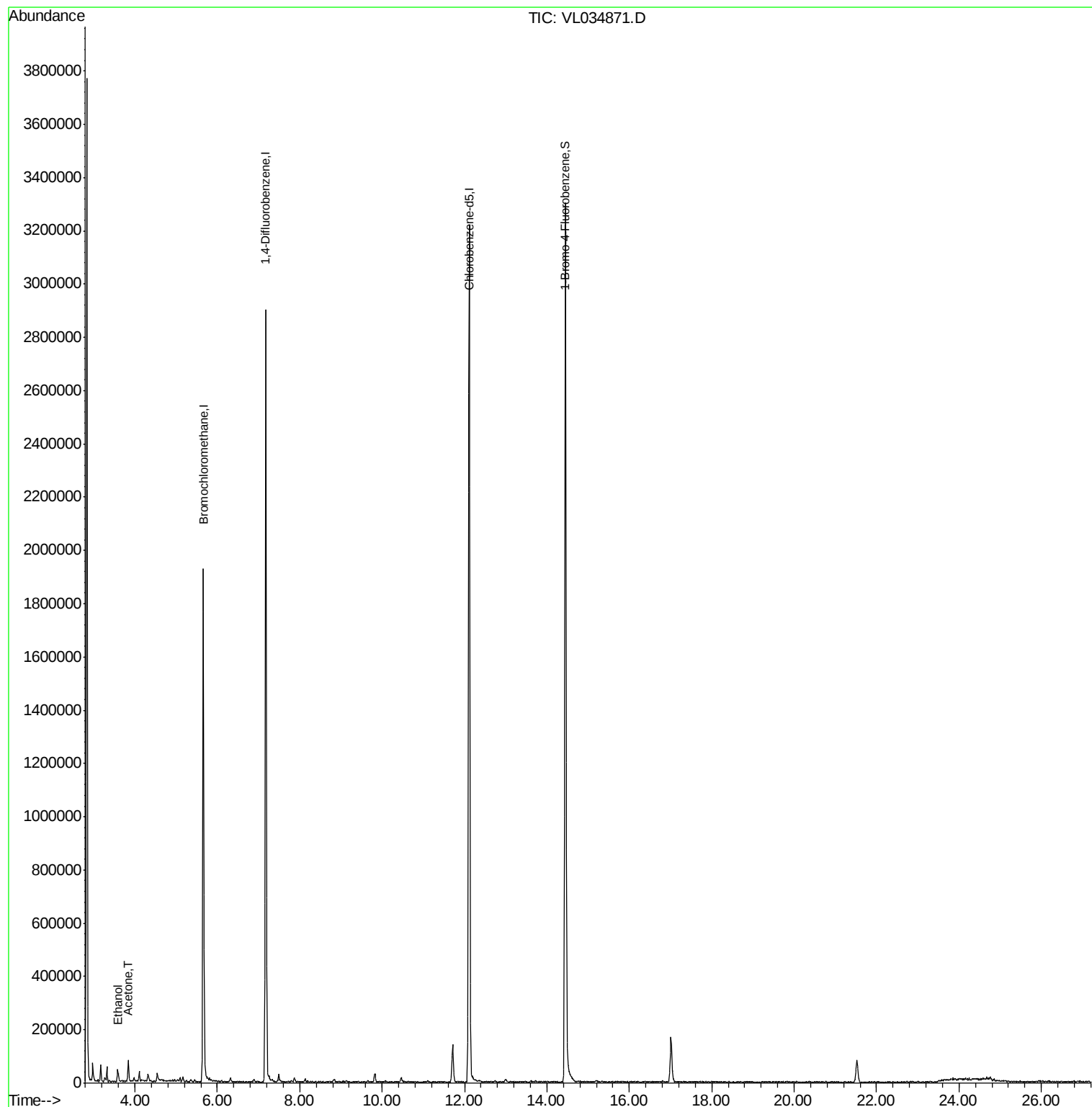
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	33462	2.235	ppbv	88
15) Acetone	3.84	43	61967	0.518	ppbv	92

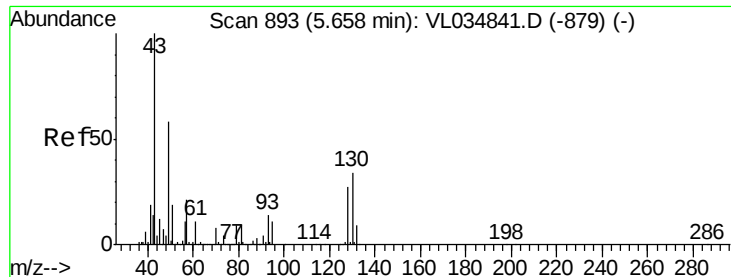
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 09 16:42:53 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034871.D

Acq: 10 Mar 2020 18:18

Instrument :

MSVOA_L

ClientSampleId :

AA-2DL

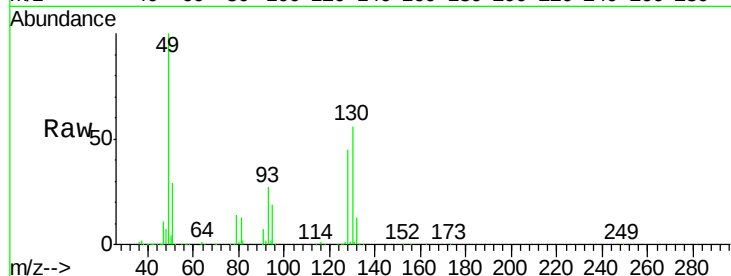
Tot Ion: 49 Resp: 923273

Ion Ratio Lower Upper

49 100

128 47.8 23.4 70.3

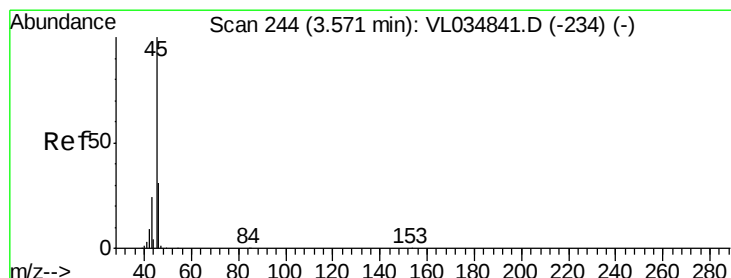
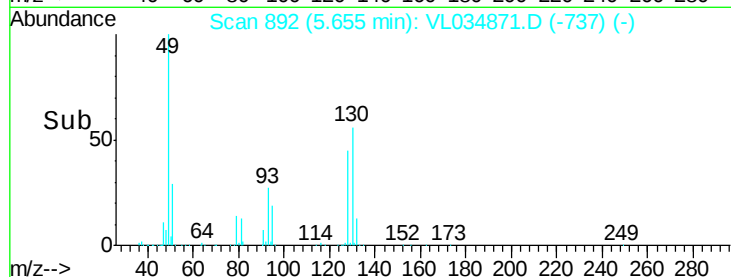
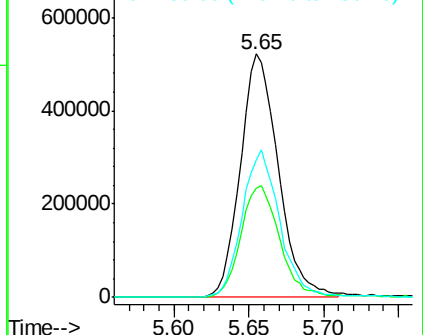
130 60.9 30.0 90.0



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



#13

Ethanol

Concen: 2.235 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL034871.D

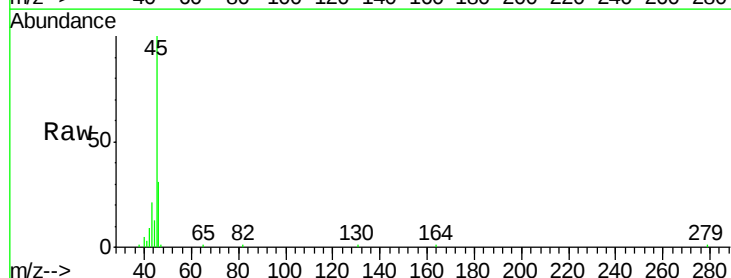
Acq: 10 Mar 2020 18:18

Tgt Ion: 45 Resp: 33462

Ion Ratio Lower Upper

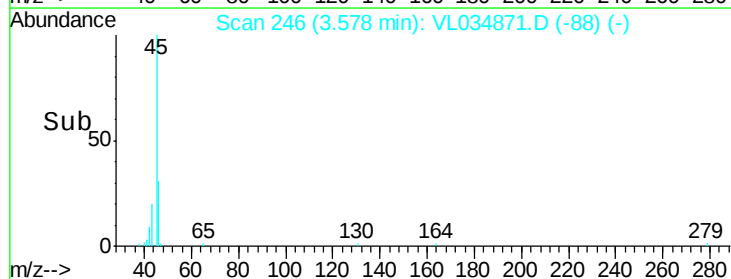
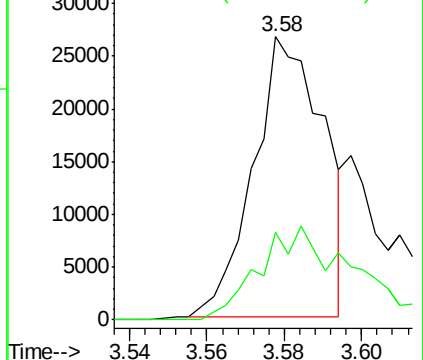
45 100

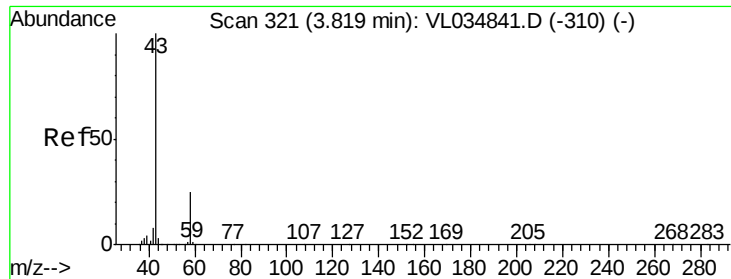
46 47.2 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.518 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL034871.D

Acq: 10 Mar 2020 18:18

Instrument :

MSVOA_L

ClientSampleId :

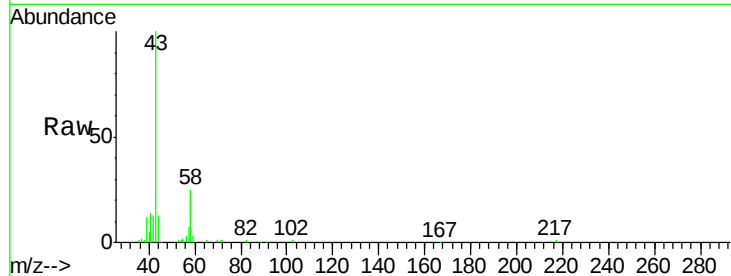
AA-2DL

Tot Ion: 43 Resp: 61967

Ion Ratio Lower Upper

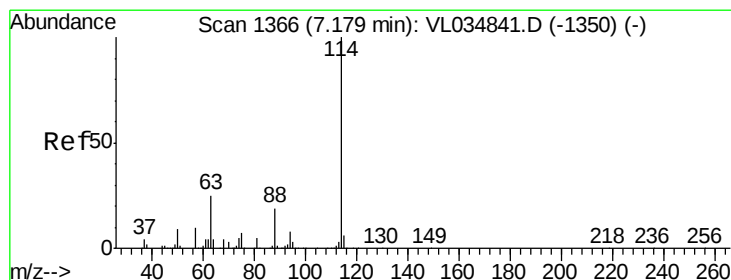
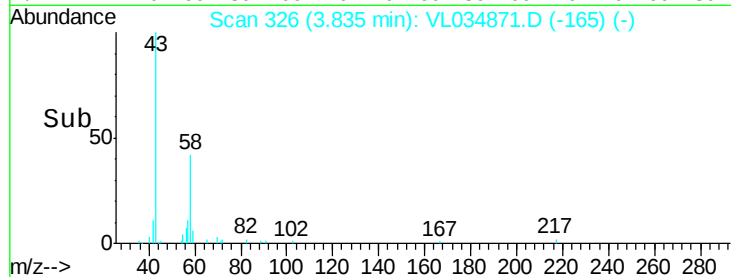
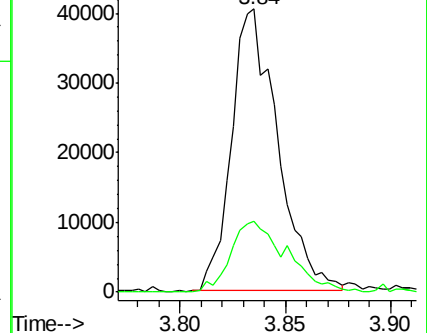
43 100

58 30.5 21.0 31.6



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: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL034871.D

Acq: 10 Mar 2020 18:18

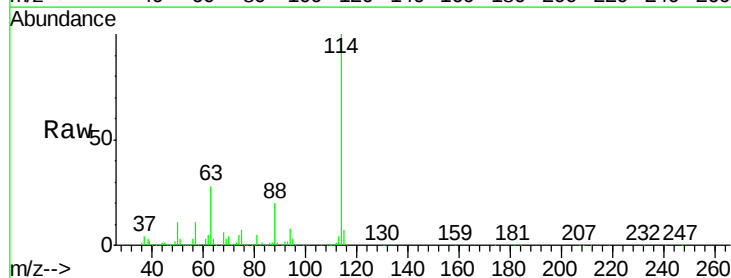
Tgt Ion: 114 Resp: 2040611

Ion Ratio Lower Upper

114 100

63 26.9 20.6 31.0

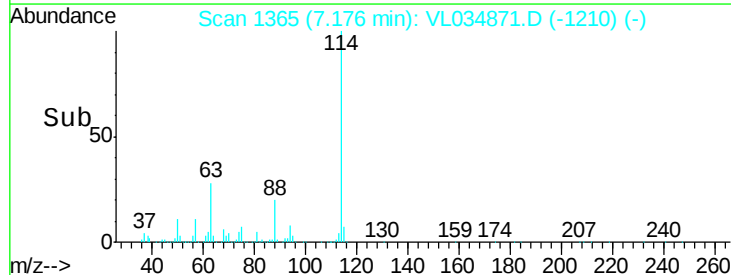
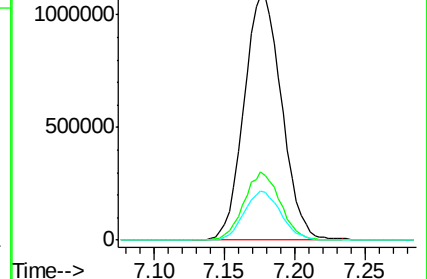
88 19.4 15.0 22.6

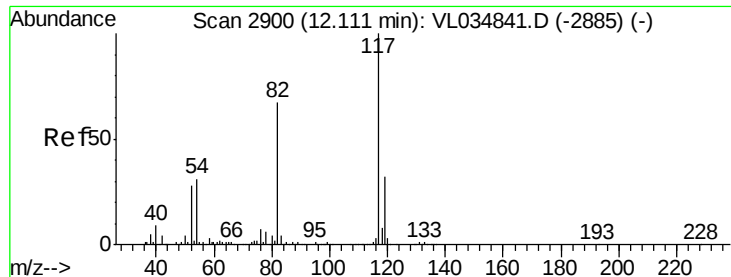


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

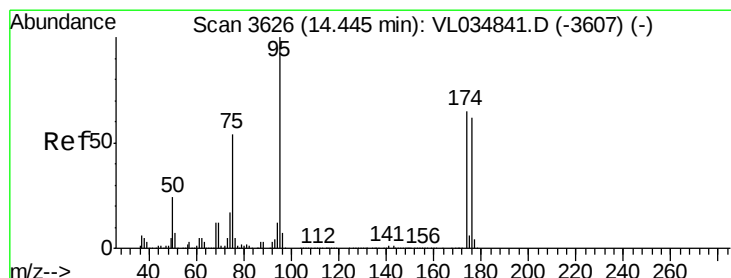
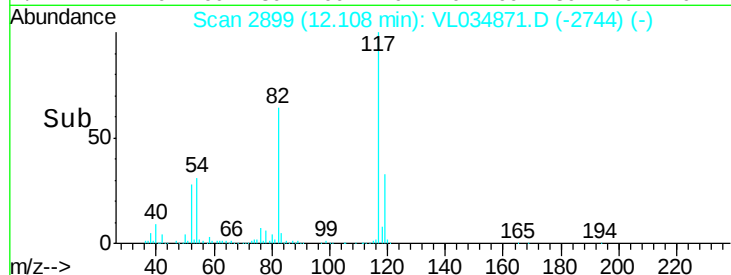
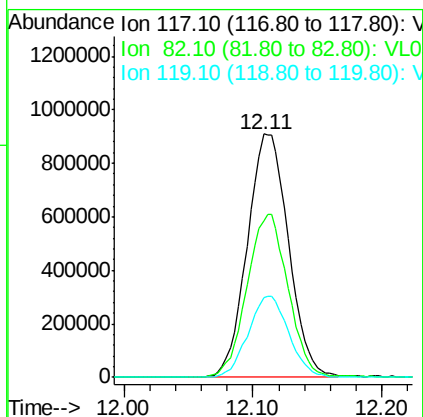
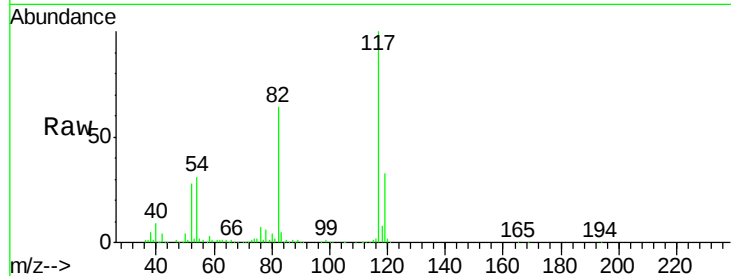




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034871.D
Acq: 10 Mar 2020 18:18

Instrument :
MSVOA_L
ClientSampleId :
AA-2DL

Tot Ion:117 Resp: 2024170
Ion Ratio Lower Upper
117 100
82 67.1 51.1 76.7
119 33.1 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.190 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.01 min
Lab File: VL034871.D
Acq: 10 Mar 2020 18:18

Tgt Ion: 95 Resp: 1608540
Ion Ratio Lower Upper
95 100
174 67.5 55.2 82.8
175 5.1 4.3 6.5

