

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122018\
Data File : VL033032.D
Acq On : 20 Dec 2018 19:22
Operator : SY/AP
Sample : J6444-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5DL

Quant Time: Dec 21 06:39:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1164095	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2663766	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2539000	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1989378	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

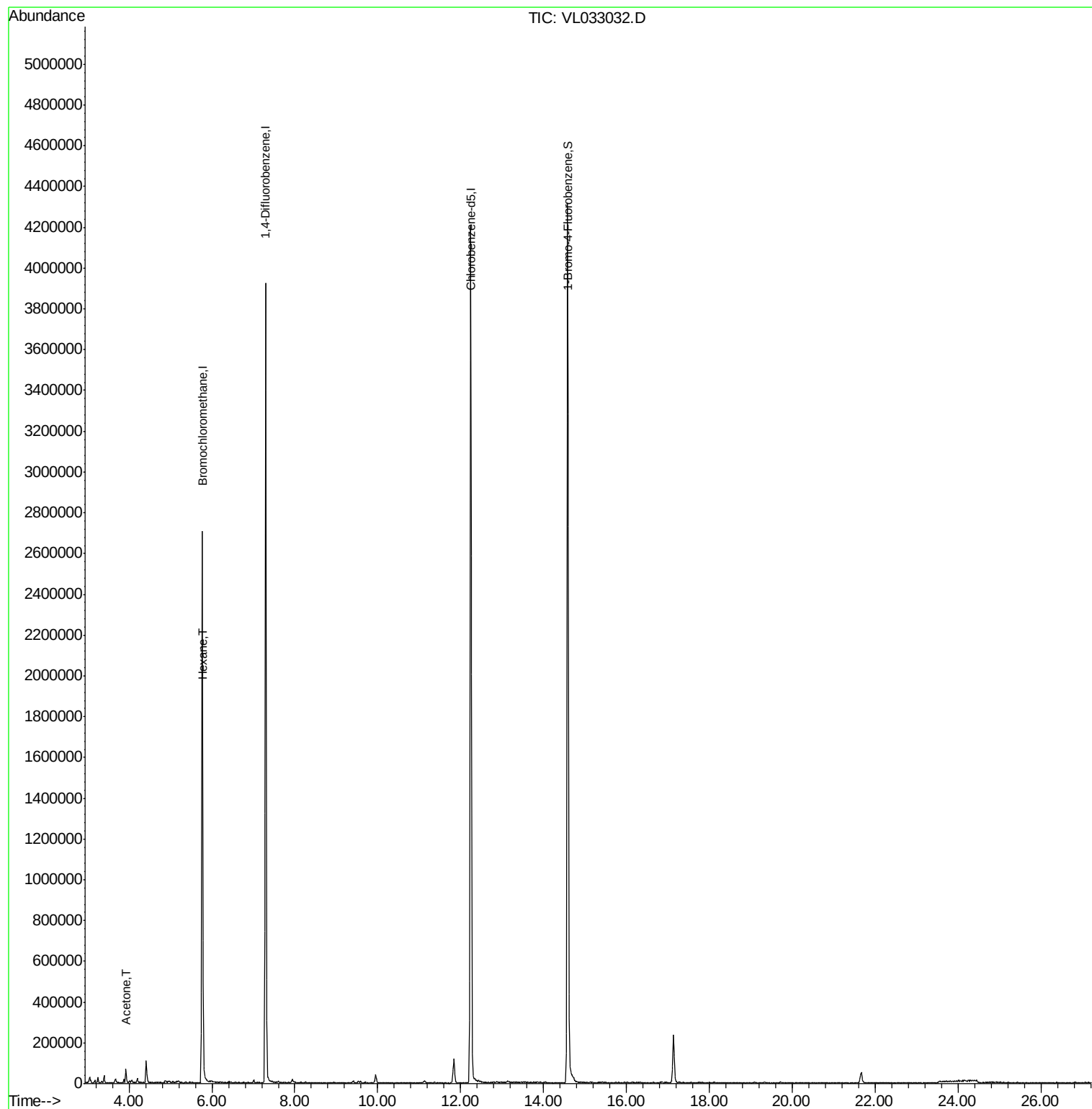
Target Compounds					Ovalue
15) Acetone	3.92	43	51364	0.514 ppbv	96
26) Hexane	5.79	57	27109	0.249 ppbv #	47

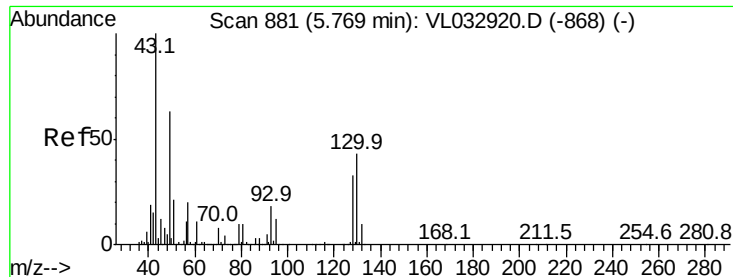
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL033032.D

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Instrument :

MSVOA_L

ClientSampleId :

YT-PL-LTM5DL

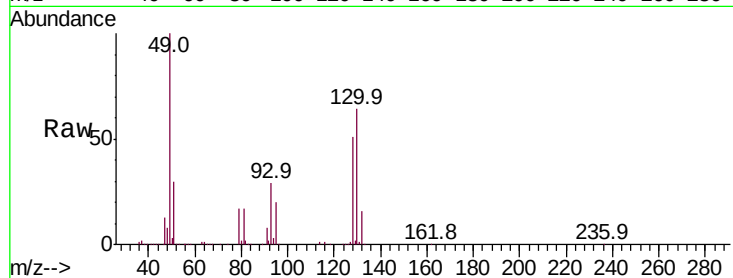
Tot Ion: 49 Resp: 1164095

Ion Ratio Lower Upper

49 100

128 53.0 26.3 78.8

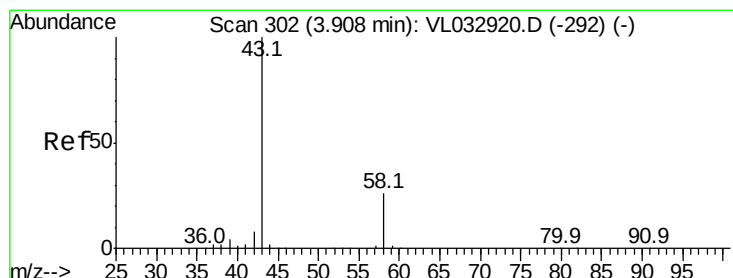
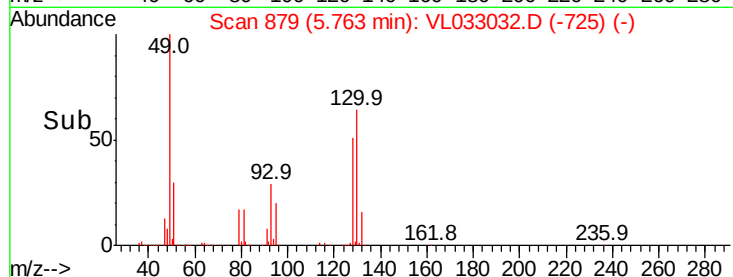
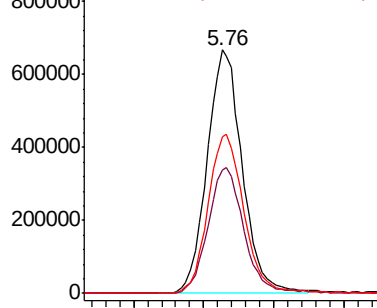
130 67.2 33.9 101.7



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



#15

Acetone

Concen: 0.514 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033032.D

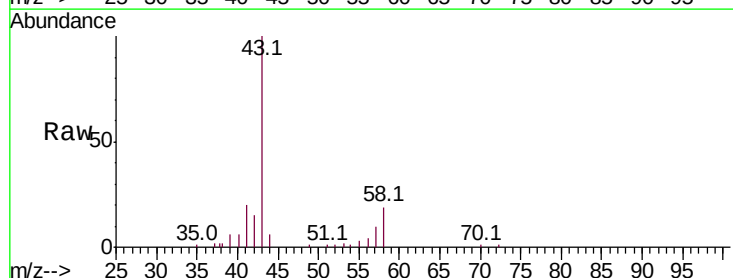
Acq: 20 Dec 2018 19:22

Tgt Ion: 43 Resp: 51364

Ion Ratio Lower Upper

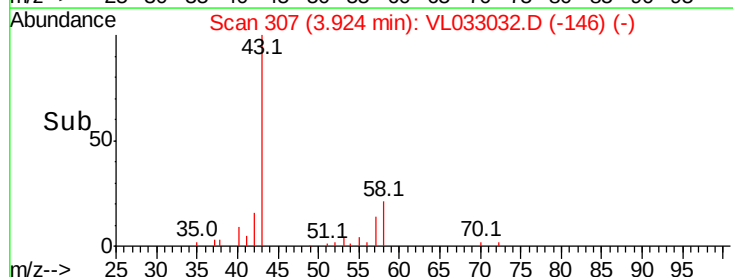
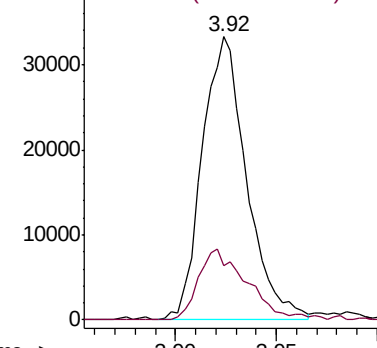
43 100

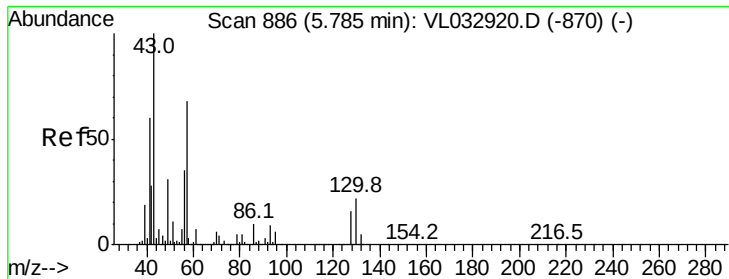
58 27.8 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#26

Hexane

Concen: 0.249 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL033032.D

Acq: 20 Dec 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

YT-PL-LTM5DL

Tot Ion: 57 Resp: 27109

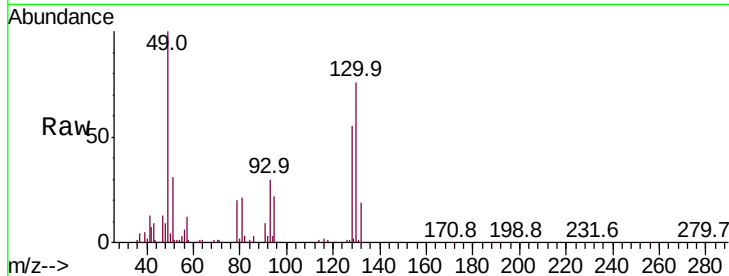
Ion Ratio Lower Upper

57 100

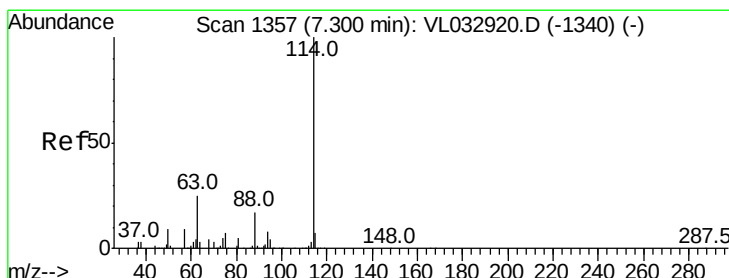
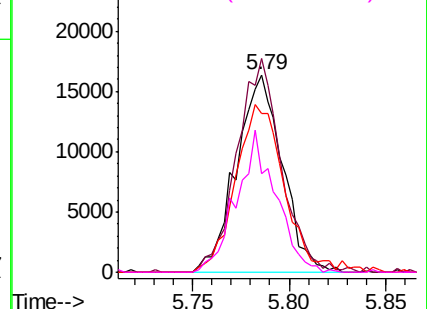
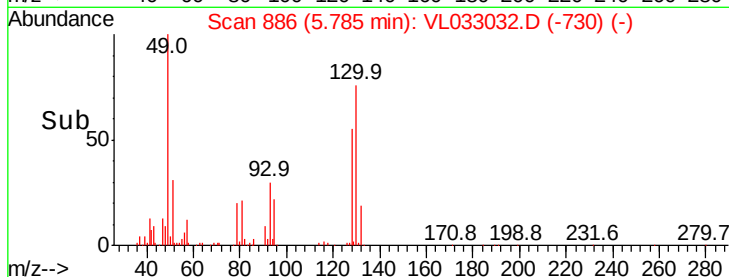
41 105.0 72.2 108.2

43 90.7 171.9 257.9#

56 61.2 42.2 63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033032.D

Acq: 20 Dec 2018 19:22

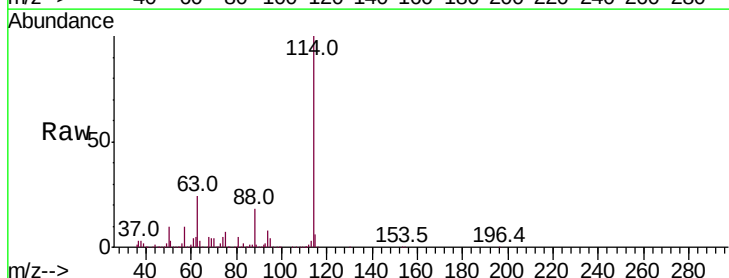
Tgt Ion: 114 Resp: 2663766

Ion Ratio Lower Upper

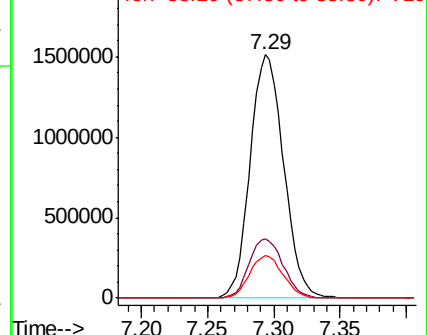
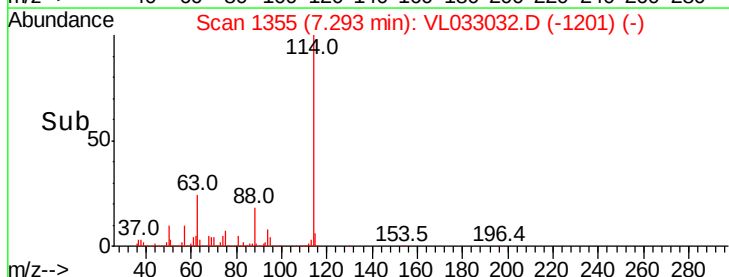
114 100

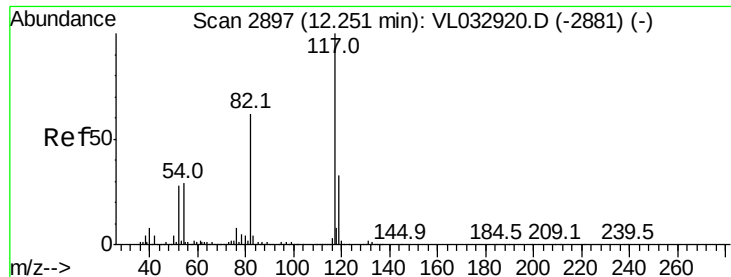
63 25.0 20.1 30.1

88 17.6 14.2 21.4



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: 12.24 min Scan# 2894

Delta R.T. -0.01 min

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Acq: 20 Dec 2018 19:22

Instrument :

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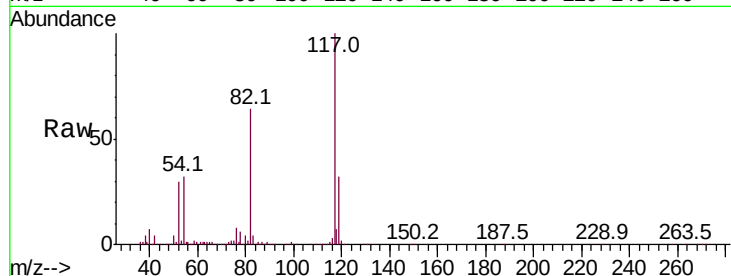
Tot Ion:117 Resp: 2539000

Ion Ratio Lower Upper

117 100

82 64.9 47.8 71.8

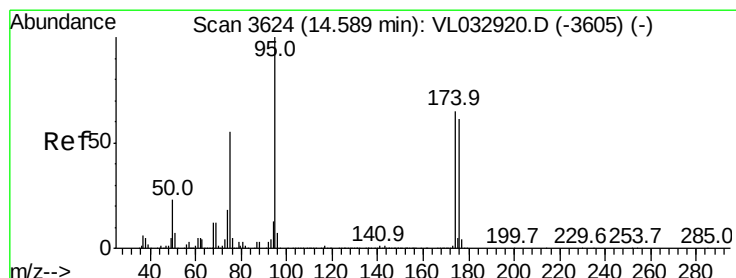
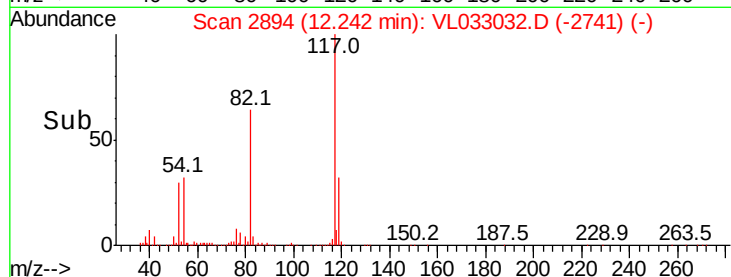
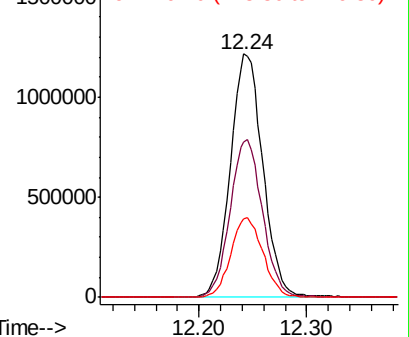
119 32.8 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.606 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL033032.D

Acq: 20 Dec 2018 19:22

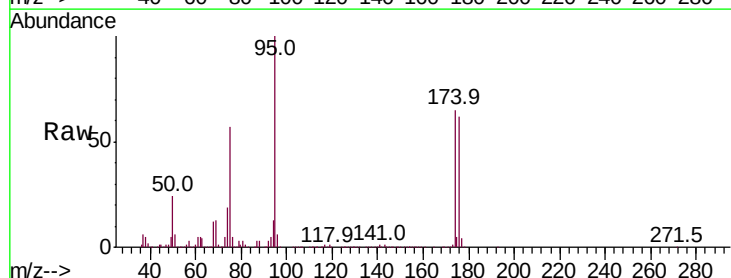
Tgt Ion: 95 Resp: 1989378

Ion Ratio Lower Upper

95 100

174 65.6 51.4 77.0

175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

