

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL111115\
 Data File : VL026372.D
 Acq On : 11 Nov 2015 19:50
 Operator : SY/AP
 Sample : G4352-04DL2 120X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG110915-4DL2

Quant Time: Nov 12 18:24:57 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	582004	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	8.33	114	1601828	10.00	ppbv	-0.04
55) Chlorobenzene-d5	13.74	117	1913210	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1425423	9.82	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

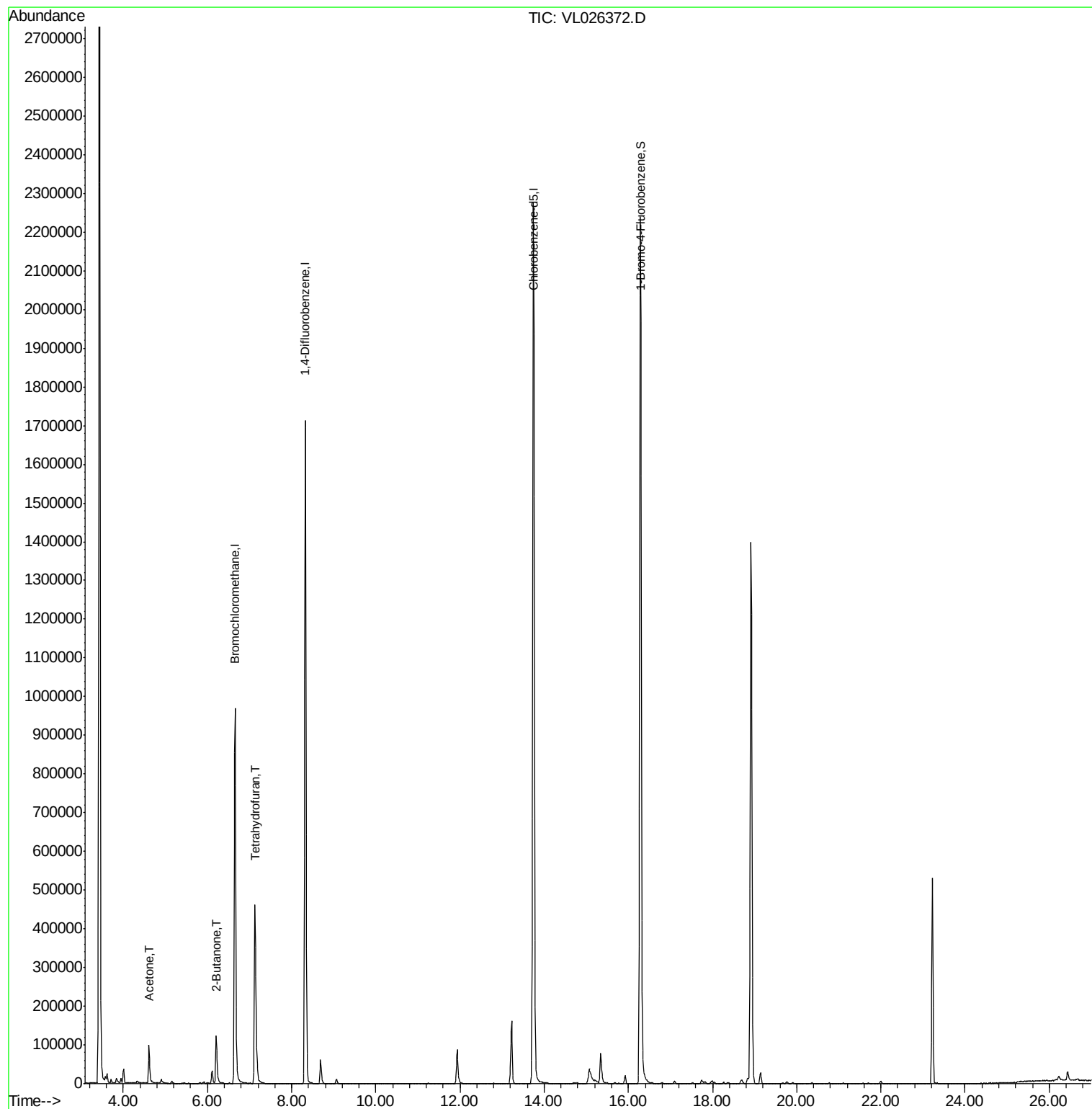
Target Compounds					Ovalue
15) Acetone	4.61	43	115680	1.50 ppbv	98
34) 2-Butanone	6.21	43	194931	2.02 ppbv	98
41) Tetrahydrofuran	7.12	42	396868	7.10 ppbv	97

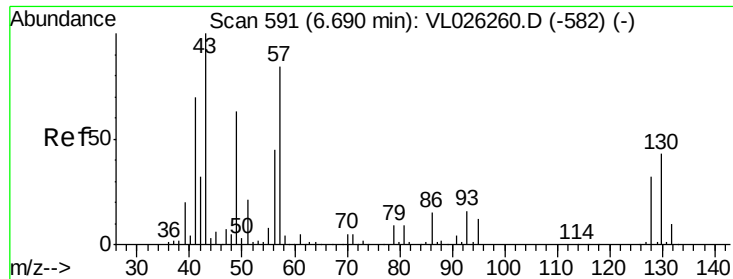
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.04 min

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Instrument :

MSVOA_L

ClientSampleId :

SG110915-4DL2

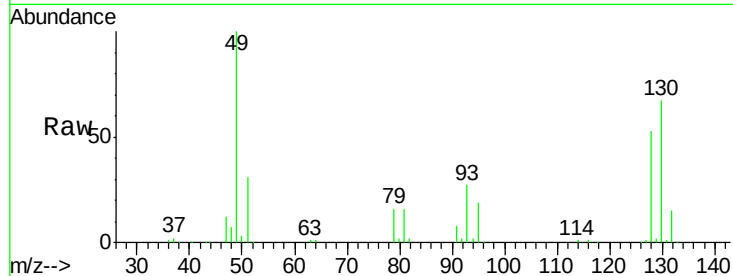
Tot Ion: 49 Resp: 582004

Ion Ratio Lower Upper

49 100

128 53.5 26.7 80.1

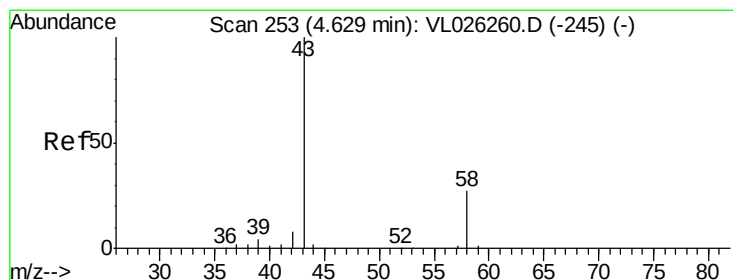
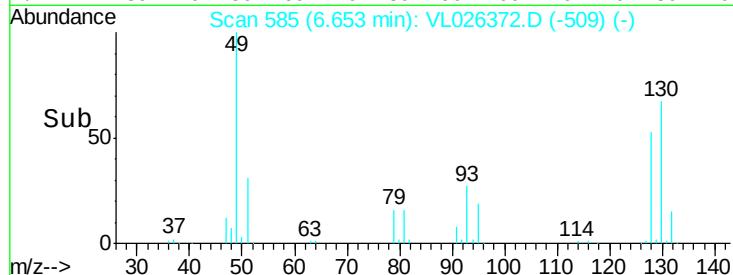
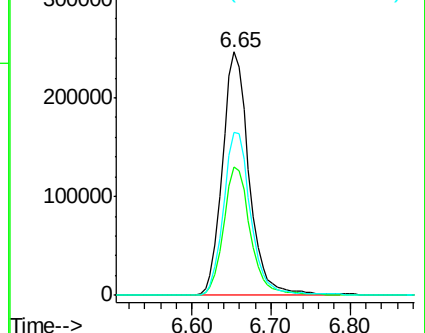
130 69.2 34.4 103.2



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: 1.50 ppbv

RT: 4.61 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL026372.D

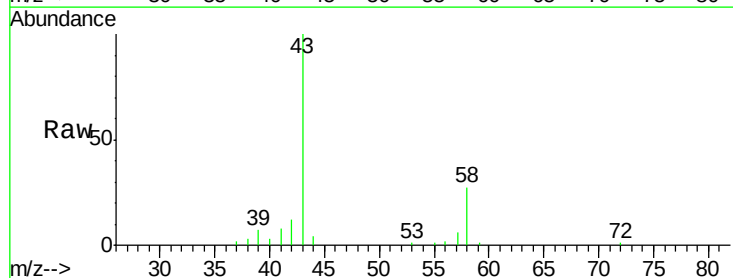
Acq: 11 Nov 2015 19:50

Tgt Ion: 43 Resp: 115680

Ion Ratio Lower Upper

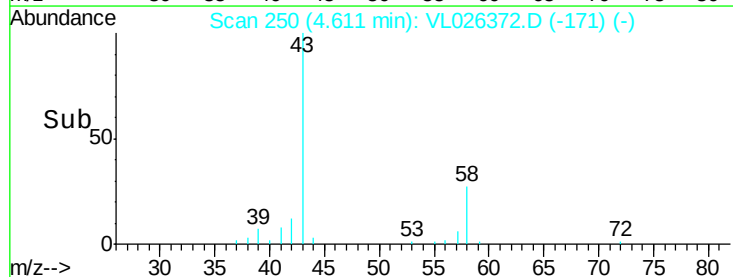
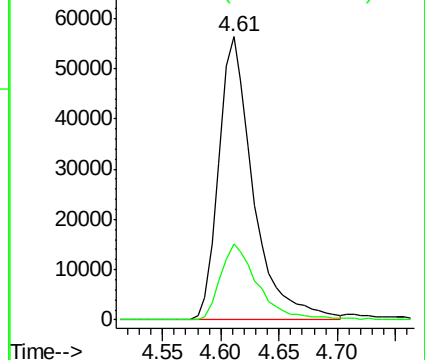
43 100

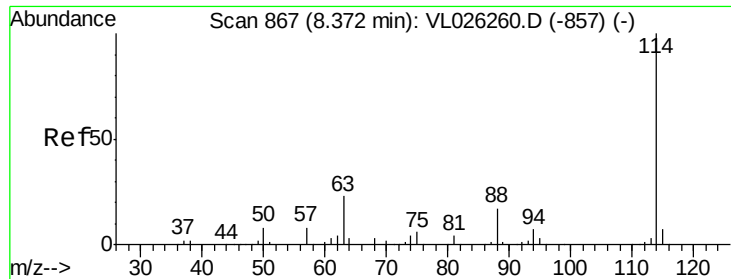
58 29.2 22.3 33.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

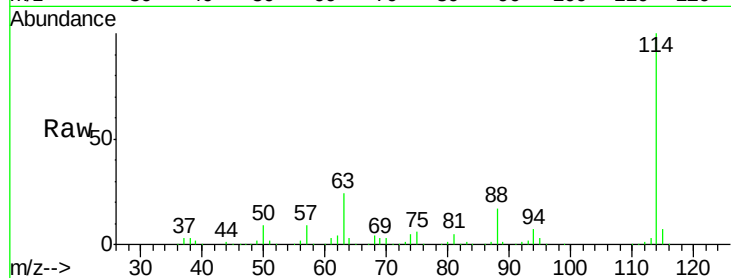




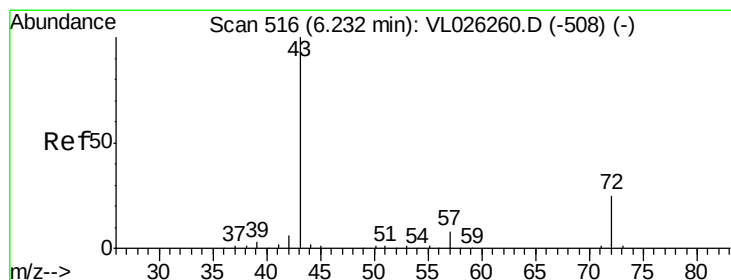
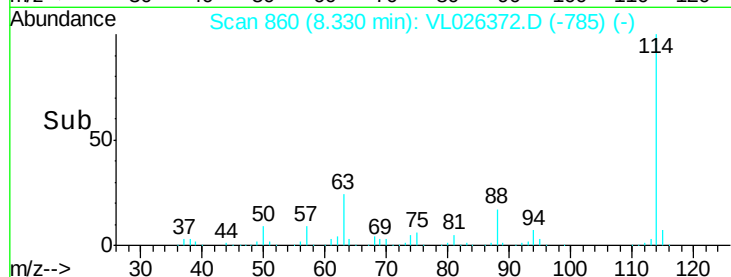
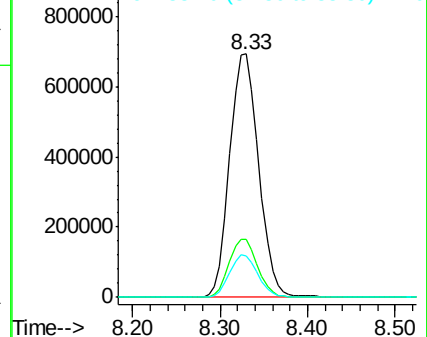
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. -0.04 min
 Lab File: VL026372.D
 Acq: 11 Nov 2015 19:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SG110915-4DL2

Tot Ion:114 Resp: 1601828
 Ion Ratio Lower Upper
 114 100
 63 23.6 18.6 28.0
 88 17.1 13.4 20.2

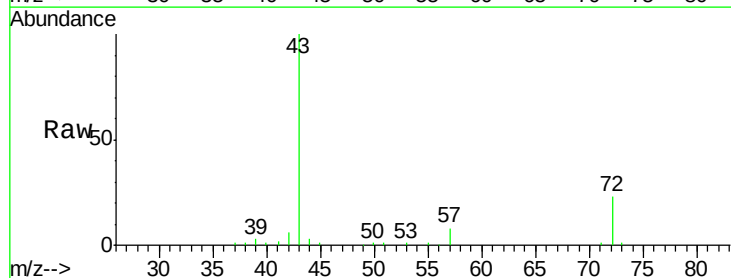


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

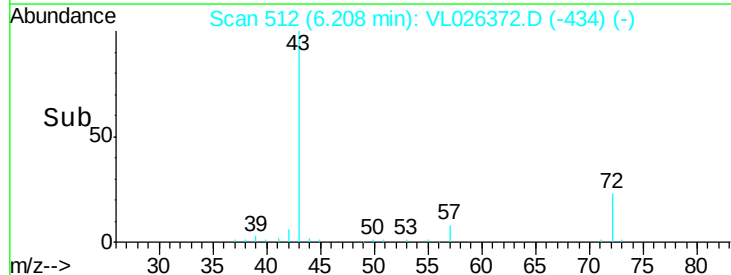
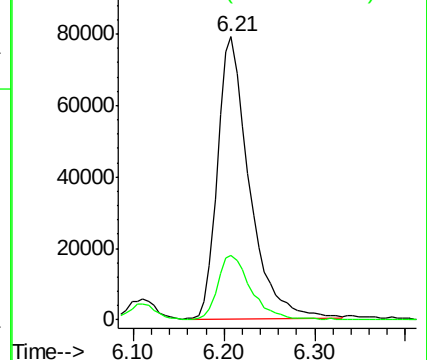


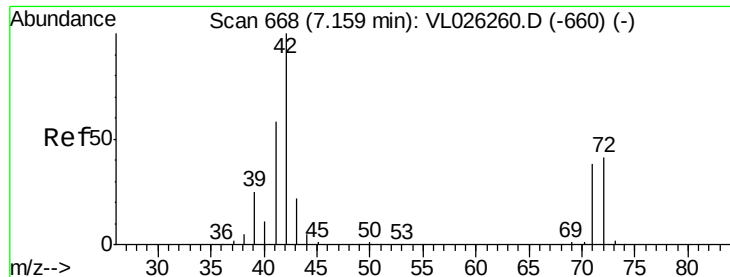
#34
 2-Butanone
 Concen: 2.02 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: VL026372.D
 Acq: 11 Nov 2015 19:50

Tgt Ion: 43 Resp: 194931
 Ion Ratio Lower Upper
 43 100
 72 23.9 19.9 29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#41

Tetrahydrofuran

Concen: 7.10 ppbv

RT: 7.12 min Scan# 662

Delta R.T. -0.04 min

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Instrument :

MSVOA_L

ClientSampleId :

SG110915-4DL2

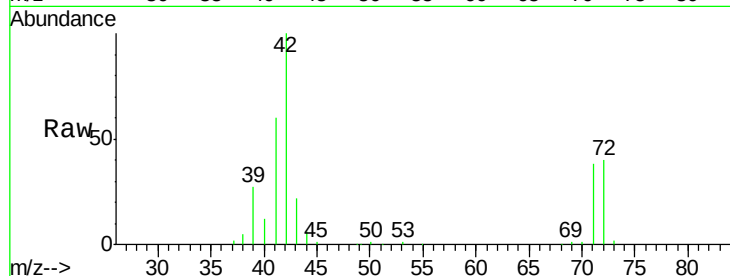
Tot Ion: 42 Resp: 396868

Ion Ratio Lower Upper

42 100

72 41.9 32.2 48.4

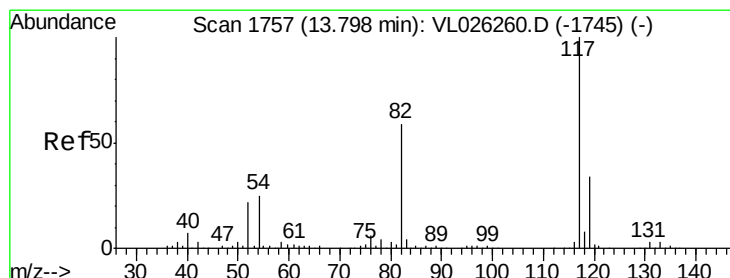
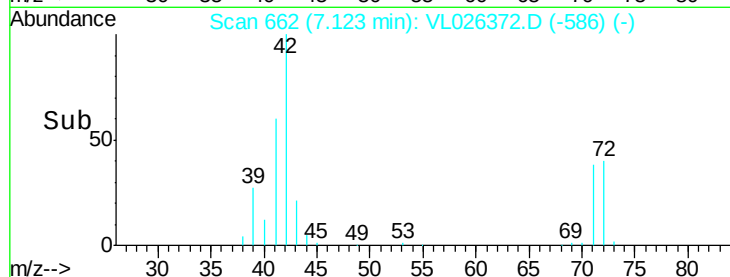
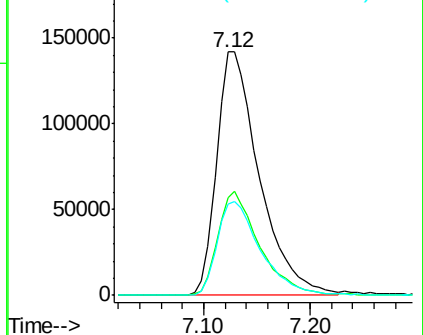
71 39.5 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1748

Delta R.T. -0.05 min

Lab File: VL026372.D

Acq: 11 Nov 2015 19:50

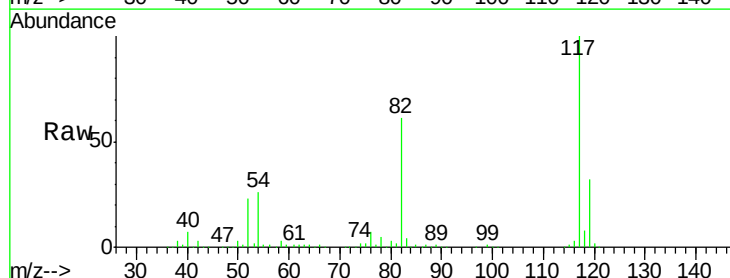
Tgt Ion: 117 Resp: 1913210

Ion Ratio Lower Upper

117 100

82 61.2 48.2 72.4

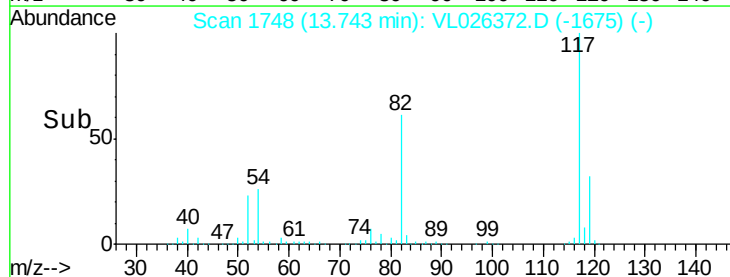
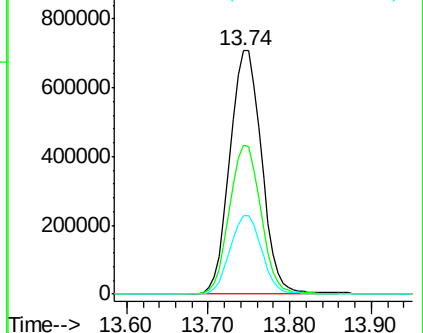
119 32.4 46.2 69.2#

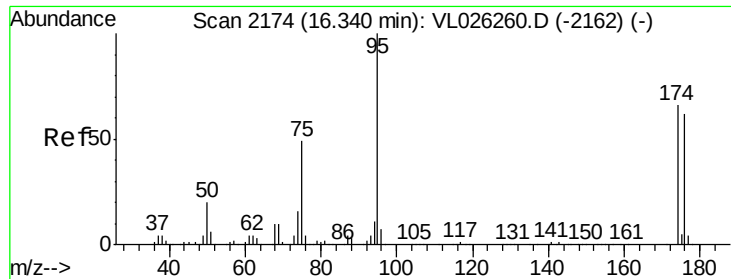


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.82 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.05 min

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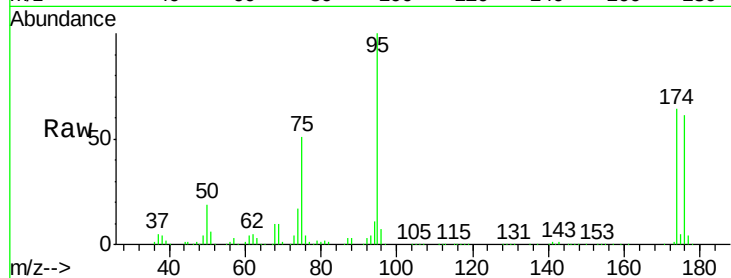
Tot Ion: 95 Resp: 1425423

Ion Ratio Lower Upper

95 100

174 65.7 52.9 79.3

175 4.8 3.8 5.8



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

