

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026832.D
 Acq On : 9 Feb 2016 23:27
 Operator : SY/AP
 Sample : VL0209ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABL01

Quant Time: Feb 10 03:45:17 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 10 03:14:04 2016
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1683034	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4614803	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	4412900	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	3171236	10.01	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

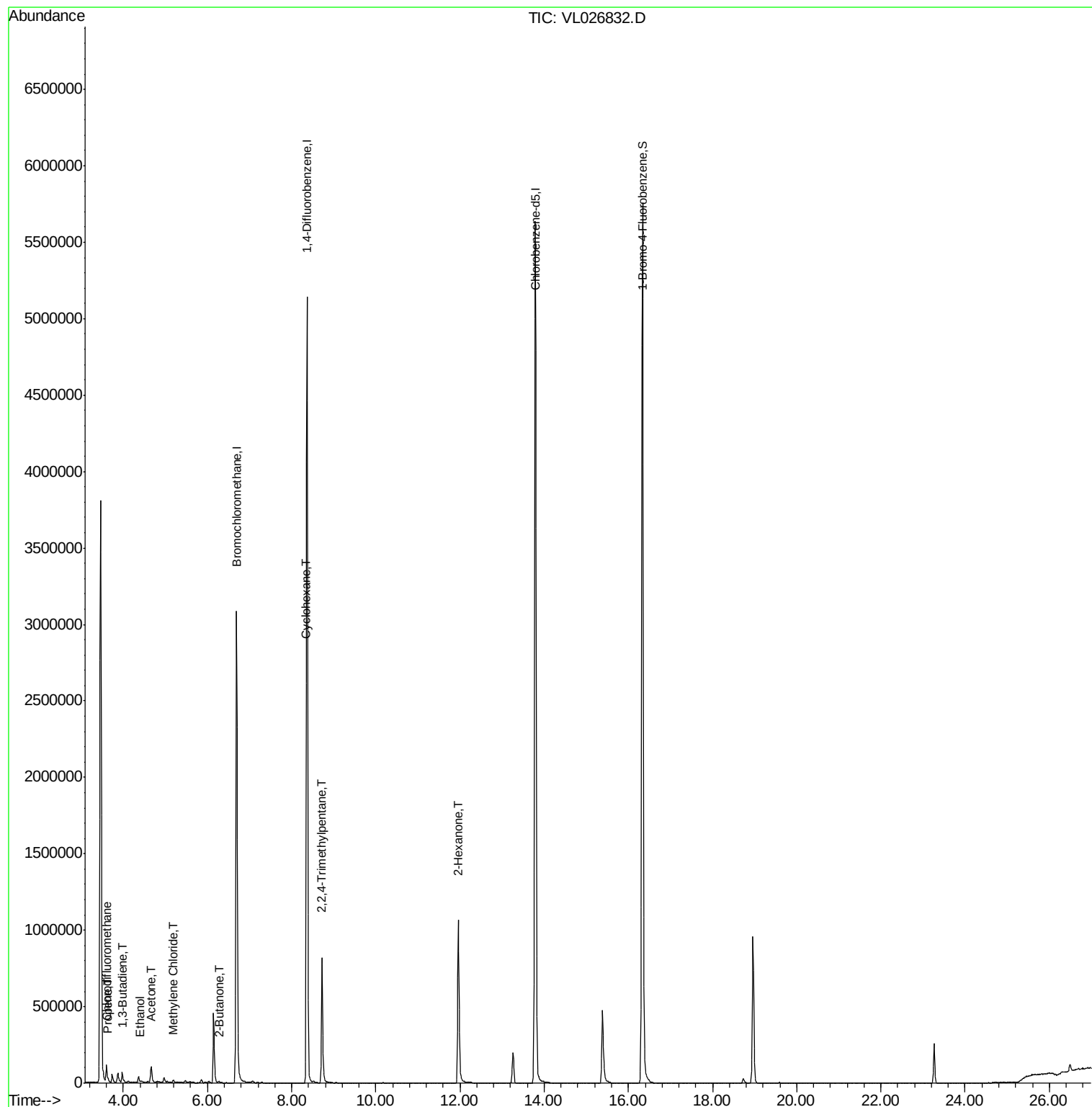
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.60	51	78025	0.29	ppbv	97
9) Propene	3.64	41	4693	0.06	ppbv	90
13) Ethanol	4.40	45	1012	0.08	ppbv #	36
15) Acetone	4.67	43	71672	0.31	ppbv #	1
16) 1,3-Butadiene	3.98	39	6715	0.07	ppbv #	7
20) Methylene Chloride	5.19	84	8797	0.07	ppbv #	83
30) Cyclohexane	8.34	84	5367	0.03	ppbv #	1
34) 2-Butanone	6.28	43	10790	0.05	ppbv #	66
44) 2,2,4-Trimethylpentane	8.72	57	174445	0.28	ppbv #	1
51) 2-Hexanone	11.96	43	267168	1.19	ppbv #	27

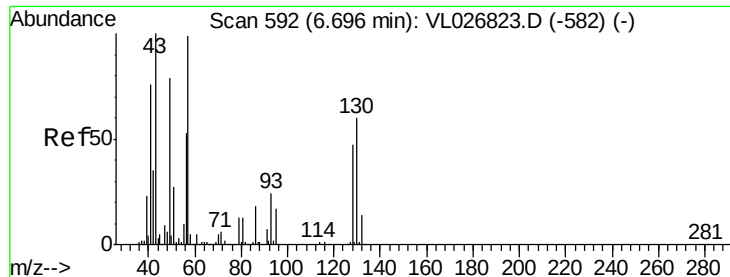
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VL0209ABL01

Quant Time: Feb 10 03:45:17 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 03:14:04 2016
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABL01

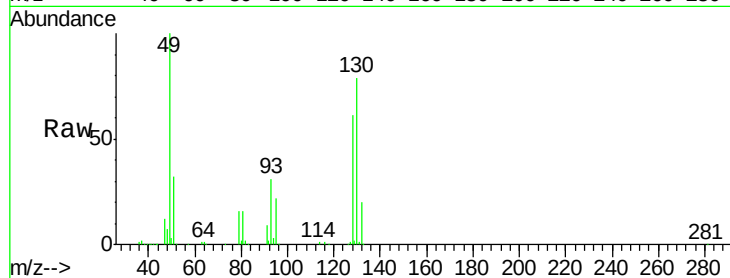
Tgt Ion: 49 Resp: 1683034

Ion Ratio Lower Upper

49 100

128 61.0 29.7 89.1

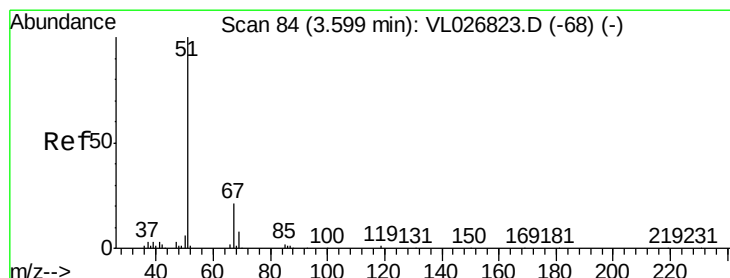
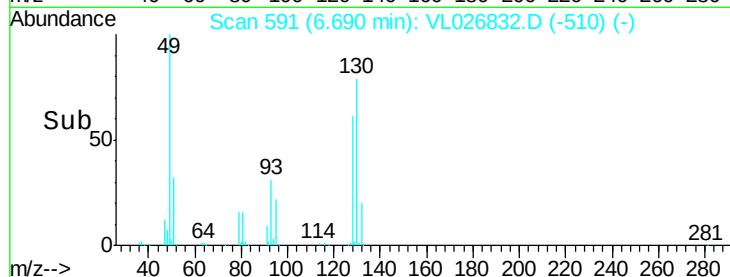
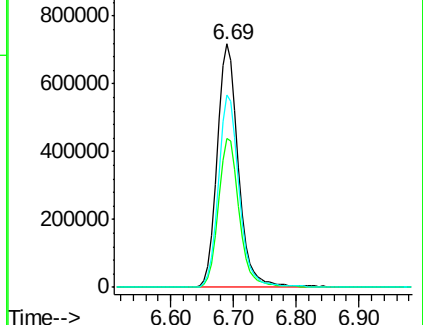
130 77.8 38.3 114.8



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



#3

Chlorodifluoromethane

Concen: 0.29 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026832.D

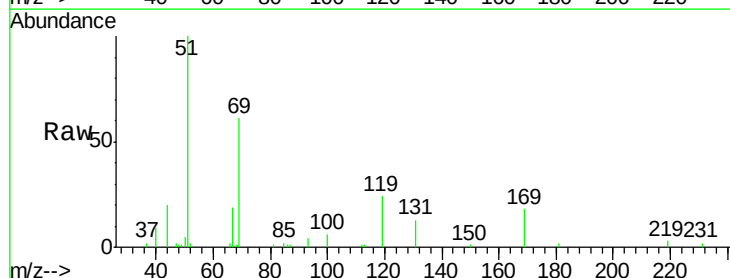
Acq: 9 Feb 2016 23:27

Tgt Ion: 51 Resp: 78025

Ion Ratio Lower Upper

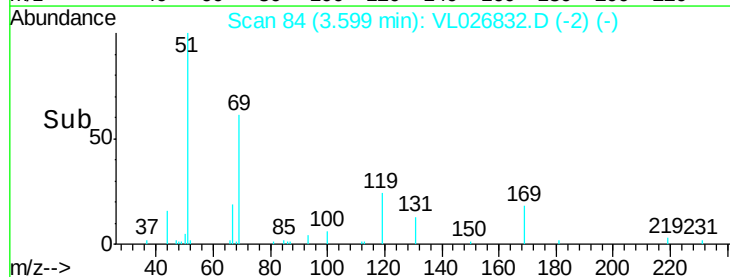
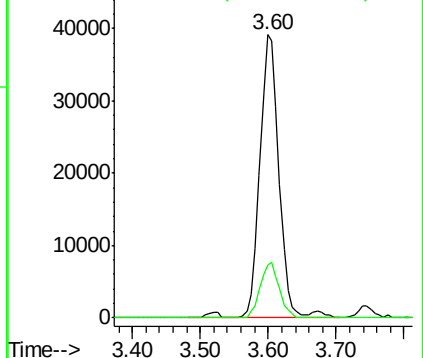
51 100

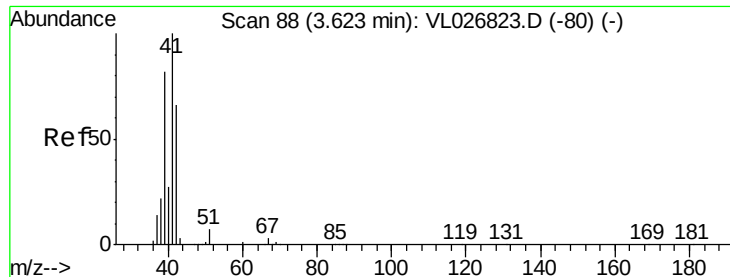
67 19.1 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.06 ppbv

RT: 3.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

Instrument :

MSVOA_L

ClientSampleId :

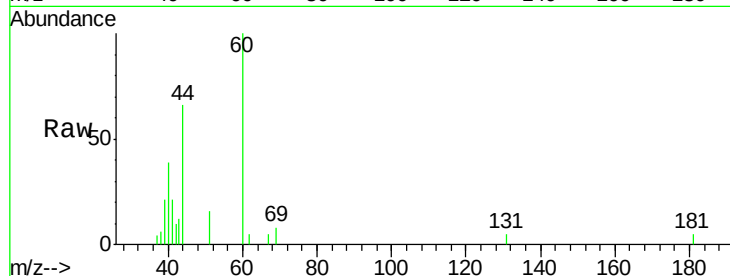
VL0209ABL01

Tgt Ion: 41 Resp: 4693

Ion Ratio Lower Upper

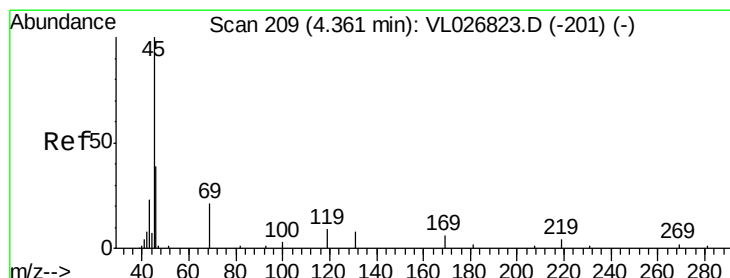
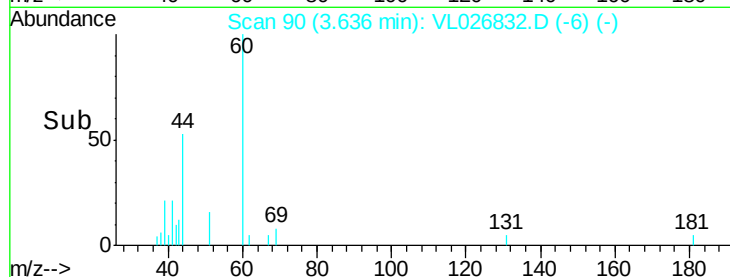
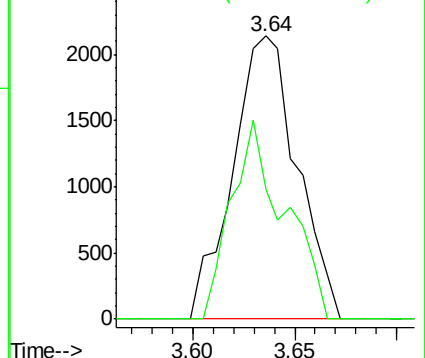
41 100

42 58.3 52.8 79.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.08 ppbv

RT: 4.40 min Scan# 216

Delta R.T. 0.04 min

Lab File: VL026832.D

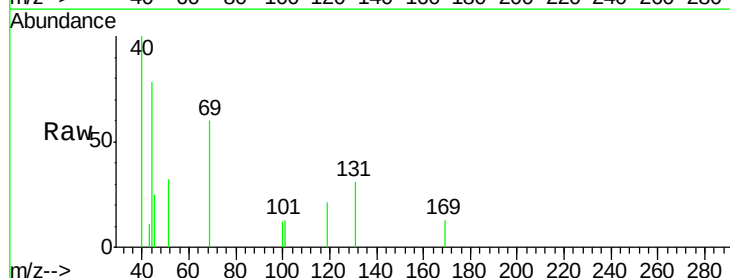
Acq: 9 Feb 2016 23:27

Tgt Ion: 45 Resp: 1012

Ion Ratio Lower Upper

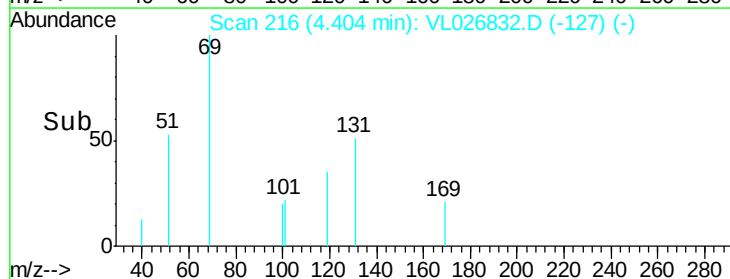
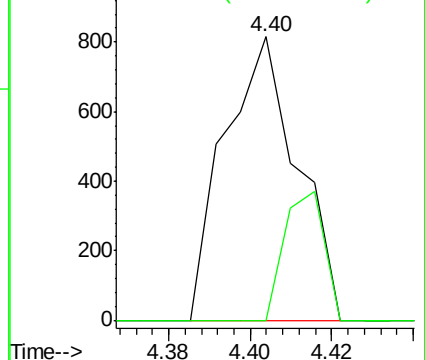
45 100

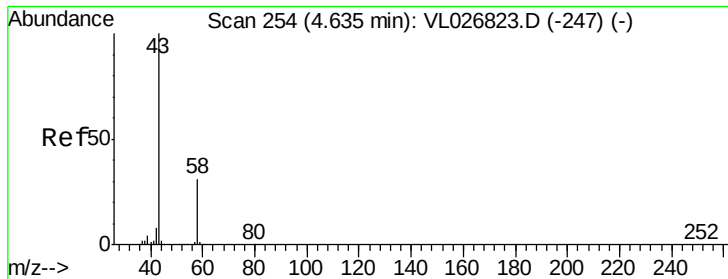
46 0.0 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.31 ppbv

RT: 4.67 min Scan# 260

Delta R.T. 0.04 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

Instrument :

MSVOA_L

ClientSampleId :

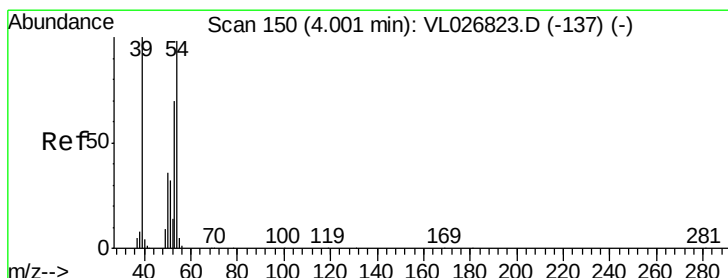
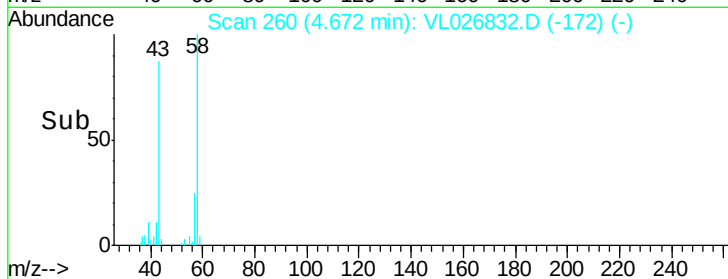
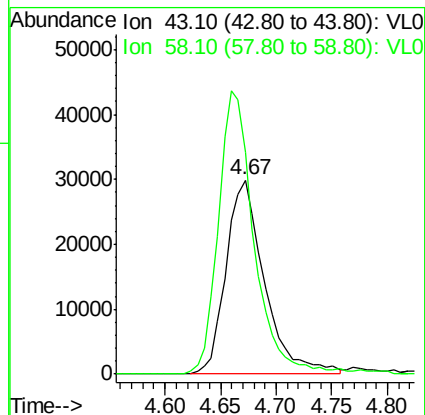
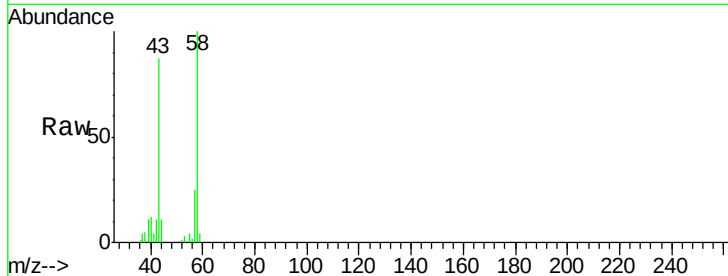
VL0209ABL01

Tgt Ion: 43 Resp: 71672

Ion Ratio Lower Upper

43 100

58 136.6 25.2 37.8#



#16

1,3-Butadiene

Concen: 0.07 ppbv

RT: 3.98 min Scan# 146

Delta R.T. -0.02 min

Lab File: VL026832.D

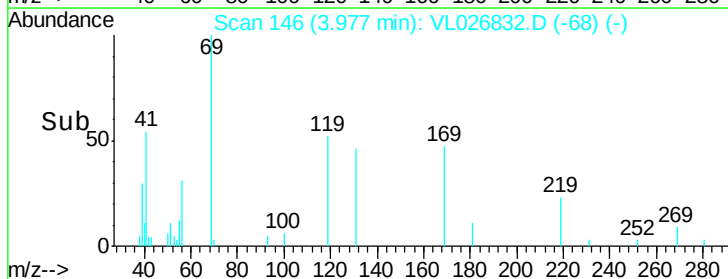
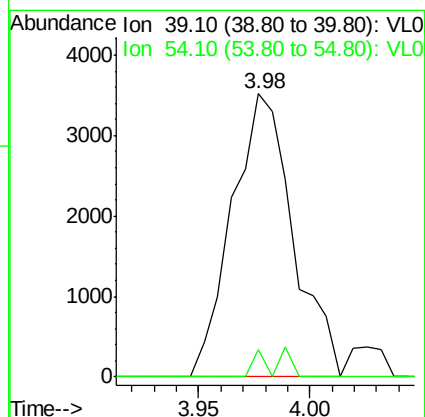
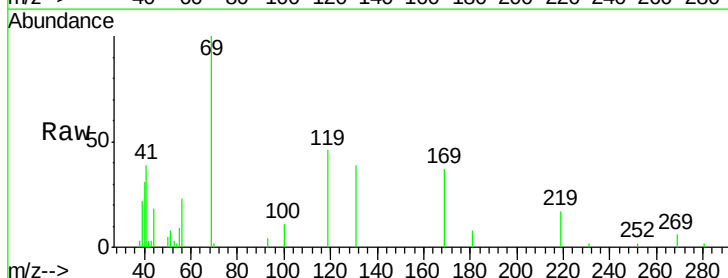
Acq: 9 Feb 2016 23:27

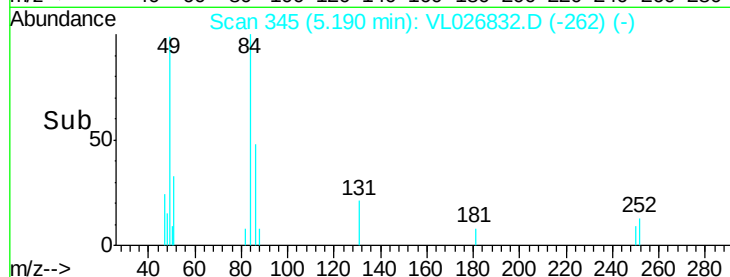
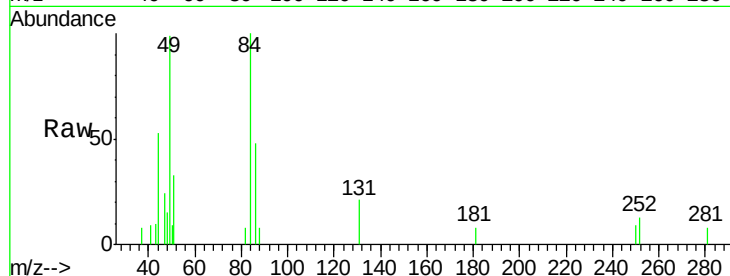
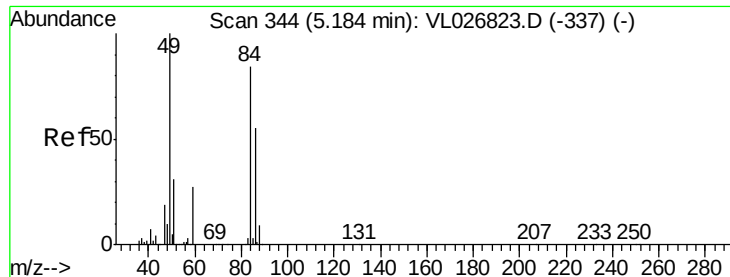
Tgt Ion: 39 Resp: 6715

Ion Ratio Lower Upper

39 100

54 3.9 74.7 112.1#





#20

Methylene Chloride

Concen: 0.07 ppbv

RT: 5.19 min Scan# 345

Delta R.T. 0.01 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABL01

Tgt Ion: 84 Resp: 8797

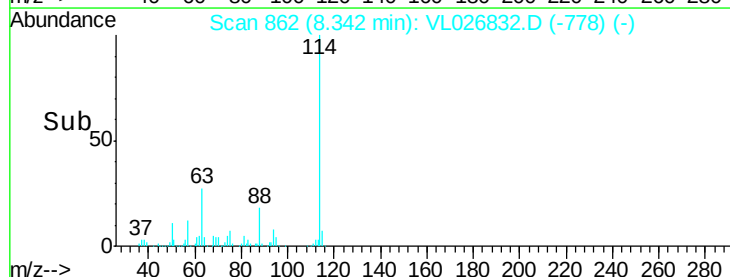
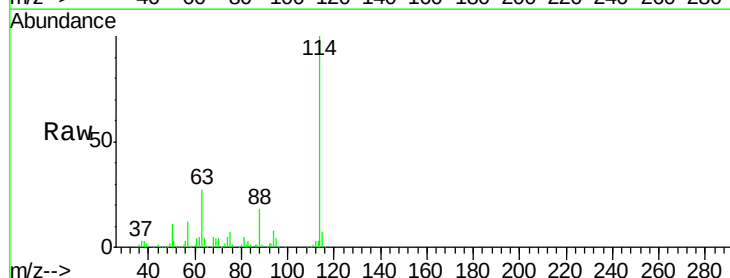
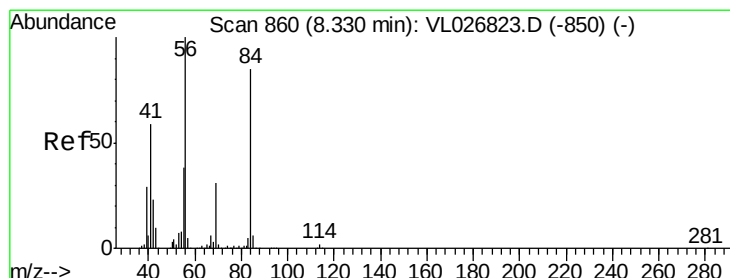
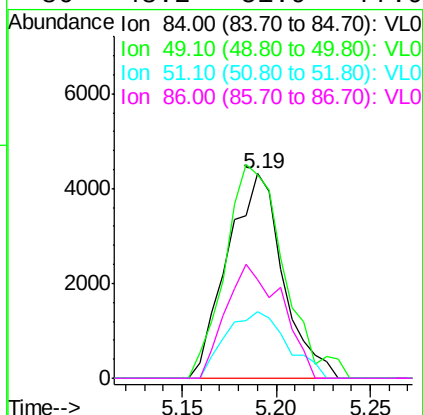
Ion Ratio Lower Upper

84 100

49 99.4 94.9 142.3

51 32.6 29.5 44.3

86 48.2 51.9 77.9#



#30

Cyclohexane

Concen: 0.03 ppbv

RT: 8.34 min Scan# 862

Delta R.T. 0.01 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

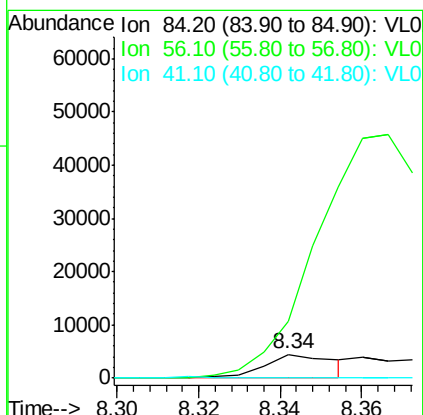
Tgt Ion: 84 Resp: 5367

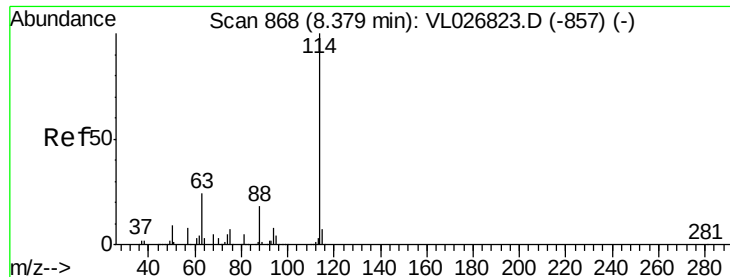
Ion Ratio Lower Upper

84 100

56 0.0 99.4 149.2#

41 0.0 56.7 85.1#

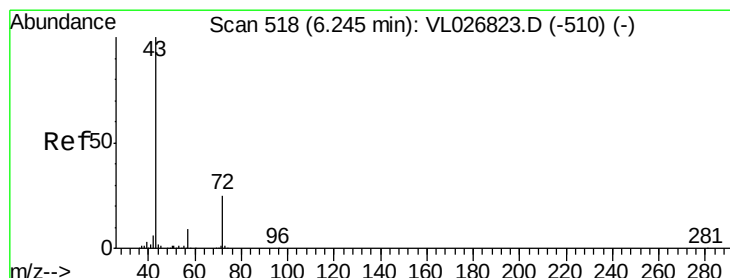
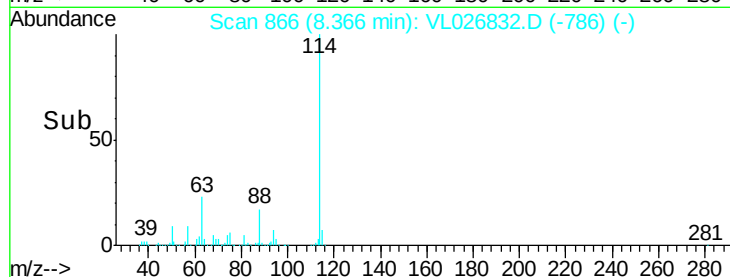
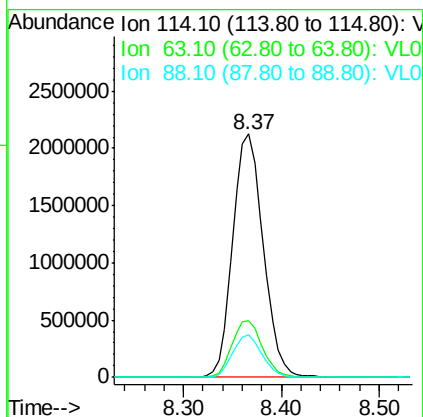
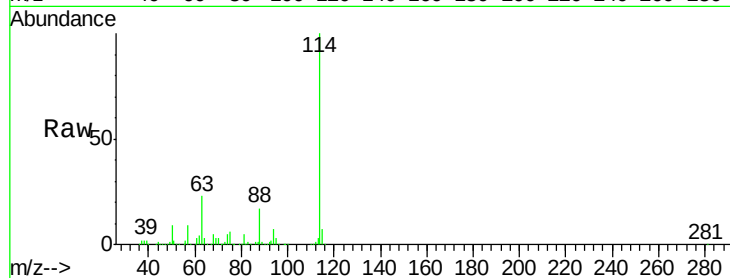




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026832.D
 Acq: 9 Feb 2016 23:27

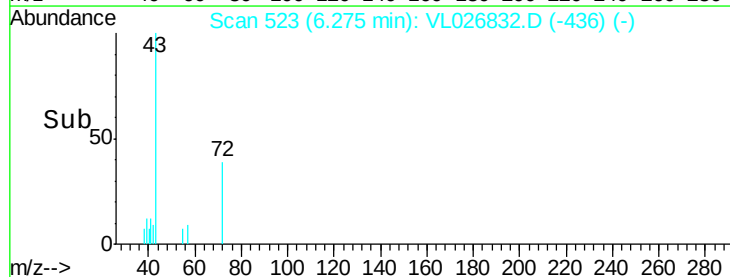
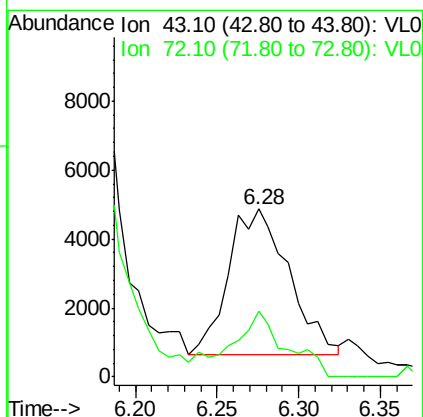
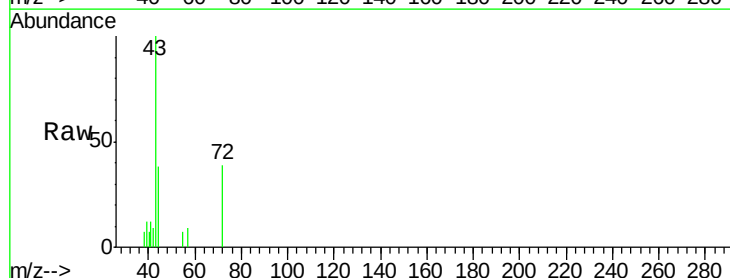
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0209ABL01

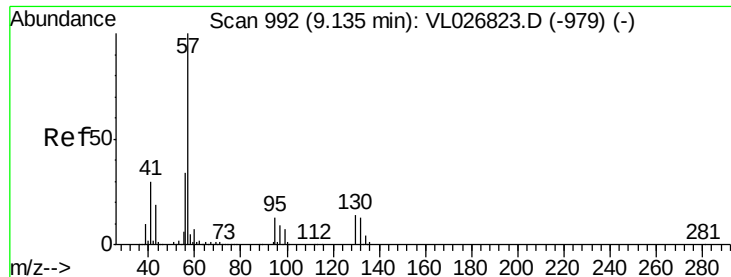
Tgt Ion: 114 Resp: 4614803
 Ion Ratio Lower Upper
 114 100
 63 23.3 19.7 29.5
 88 16.9 13.8 20.6



#34
 2-Butanone
 Concen: 0.05 ppbv
 RT: 6.28 min Scan# 523
 Delta R.T. 0.03 min
 Lab File: VL026832.D
 Acq: 9 Feb 2016 23:27

Tgt Ion: 43 Resp: 10790
 Ion Ratio Lower Upper
 43 100
 72 41.9 19.8 29.8#





#44

2,2,4-Trimethylpentane

Concen: 0.28 ppbv

RT: 8.72 min Scan# 924

Delta R.T. -0.41 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

Instrument :

MSVOA_L

ClientSampleId :

VL0209ABL01

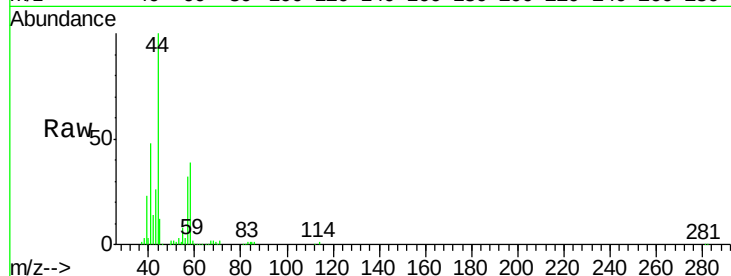
Tgt Ion: 57 Resp: 174445

Ion Ratio Lower Upper

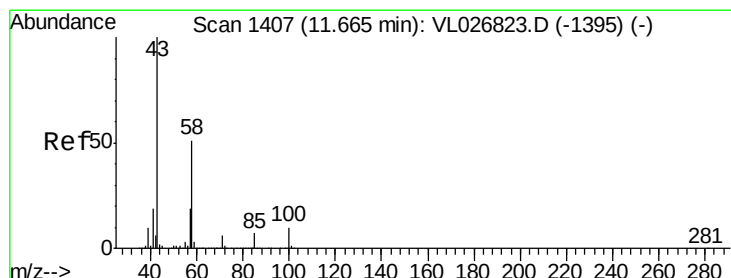
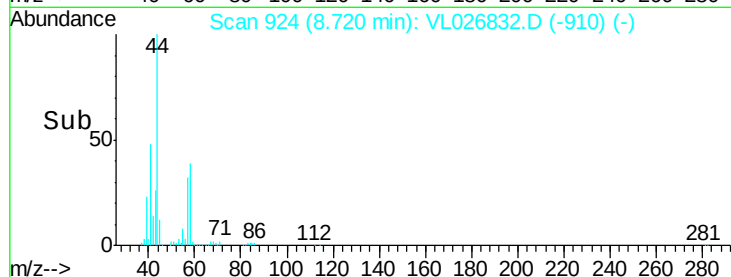
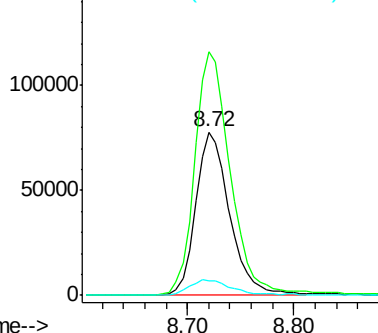
57 100

41 159.3 23.2 34.8#

56 12.3 26.2 39.4#



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



#51

2-Hexanone

Concen: 1.19 ppbv

RT: 11.96 min Scan# 1455

Delta R.T. 0.29 min

Lab File: VL026832.D

Acq: 9 Feb 2016 23:27

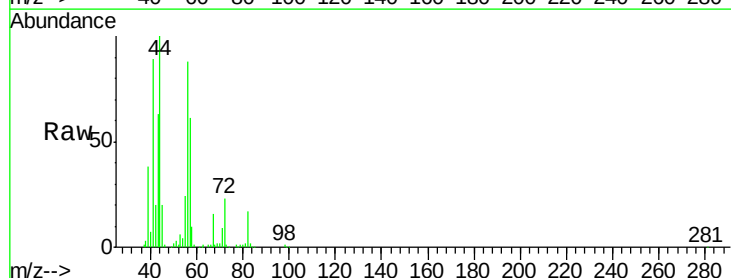
Tgt Ion: 43 Resp: 267168

Ion Ratio Lower Upper

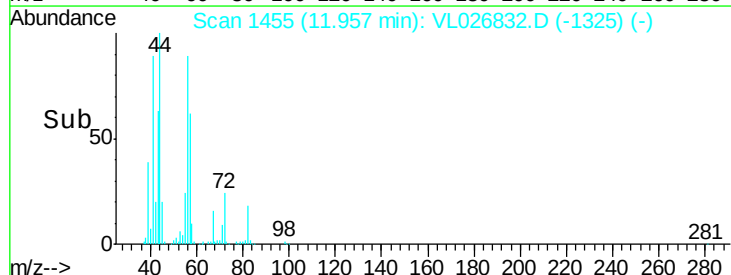
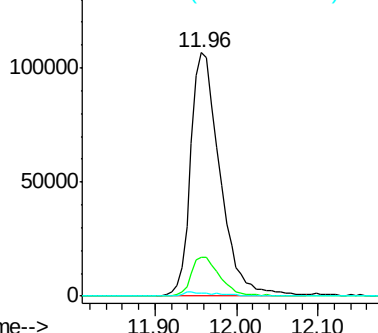
43 100

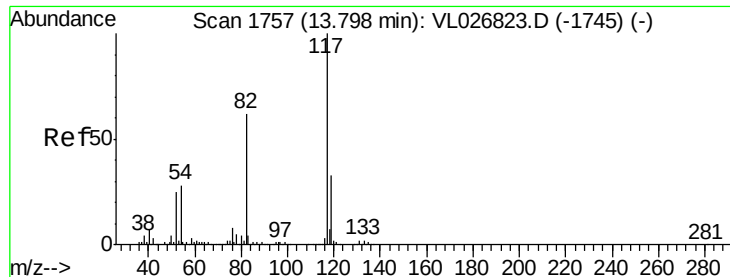
58 0.0 40.4 60.6#

98 1.9 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

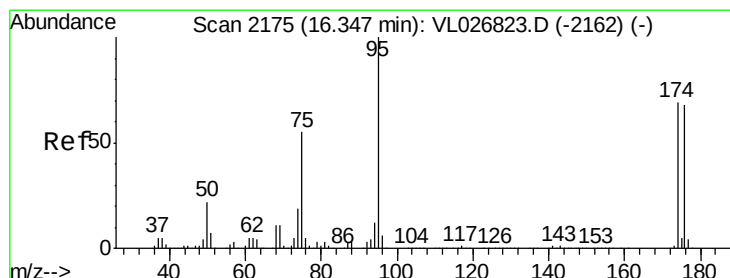
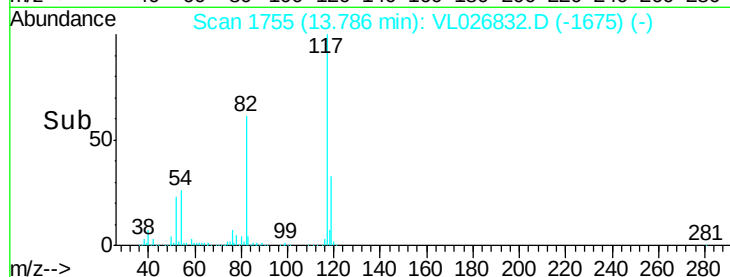
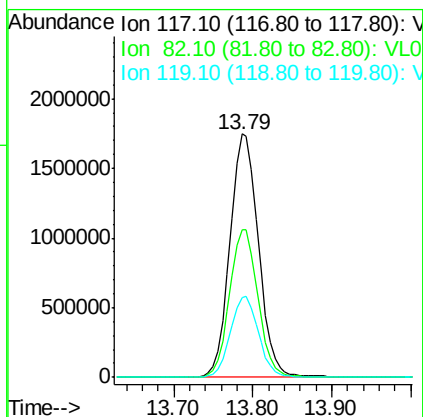
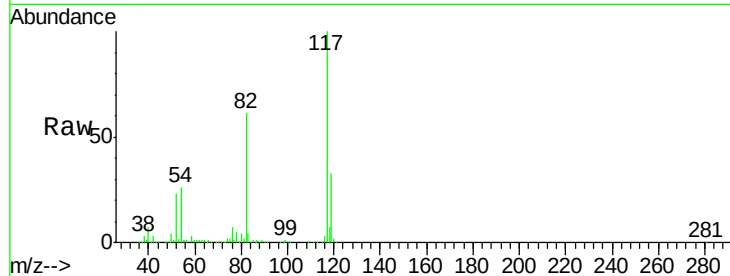




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026832.D
Acq: 9 Feb 2016 23:27

Instrument :
MSVOA_L
ClientSampleId :
VL0209ABL01

Tgt Ion:117 Resp: 4412900
Ion Ratio Lower Upper
117 100
82 61.0 51.9 77.9
119 33.0 48.5 72.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.01 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026832.D
Acq: 9 Feb 2016 23:27

Tgt Ion: 95 Resp: 3171236
Ion Ratio Lower Upper
95 100
174 72.7 55.6 83.4
175 5.1 3.9 5.9

