

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026851.D
 Acq On : 10 Feb 2016 13:42
 Operator : SY/AP
 Sample : H1388-02DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2DL

Quant Time: Feb 11 03:06:52 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed 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	6.68	49	1608162	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.36	114	4709758	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4606388	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	3275946	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

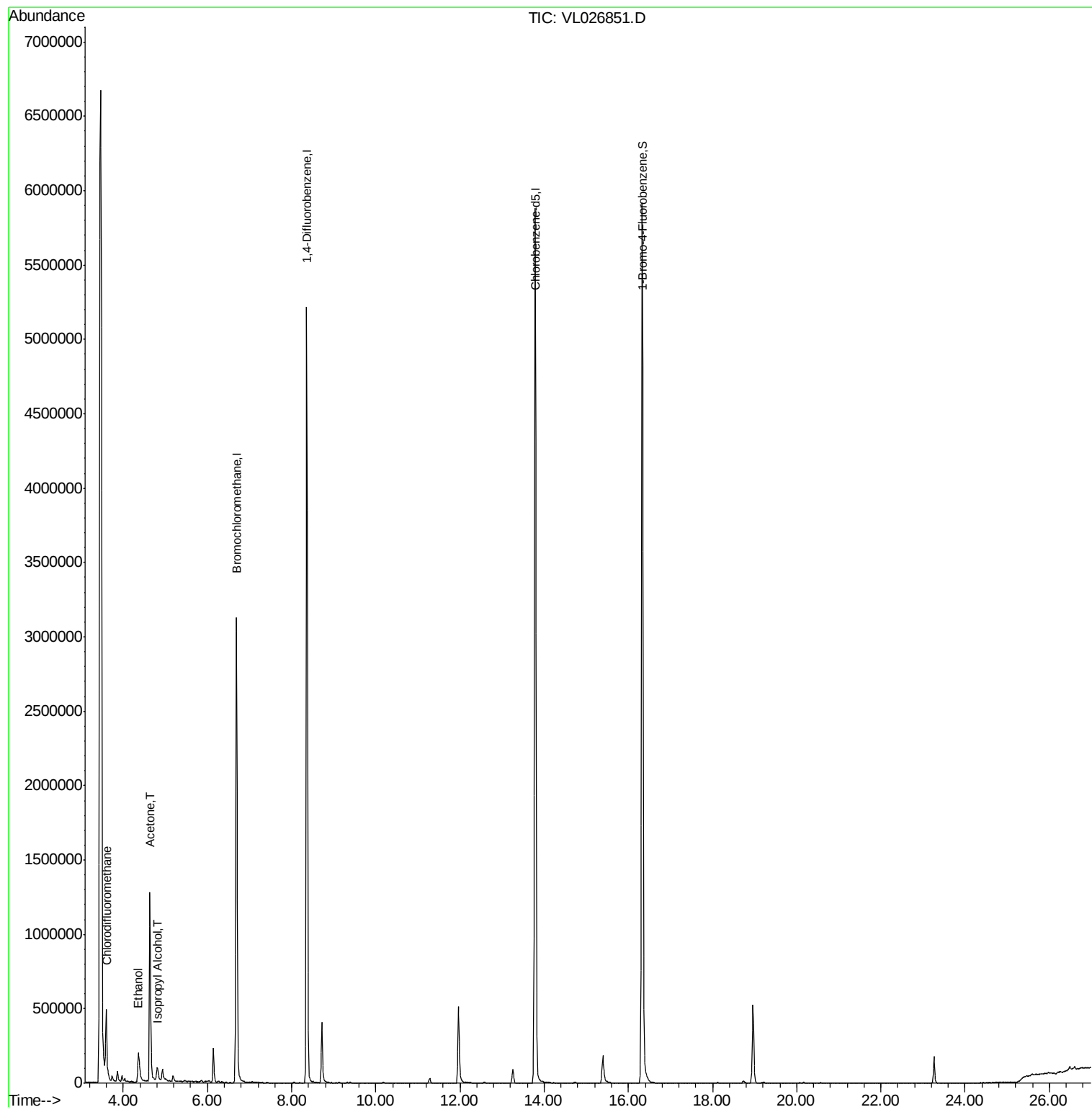
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.60	51	564964	2.17	ppbv	98
13) Ethanol	4.36	45	326115	26.90	ppbv	97
15) Acetone	4.63	43	1769451	8.01	ppbv	99
19) Isopropyl Alcohol	4.81	45	152291	1.93	ppbv #	1

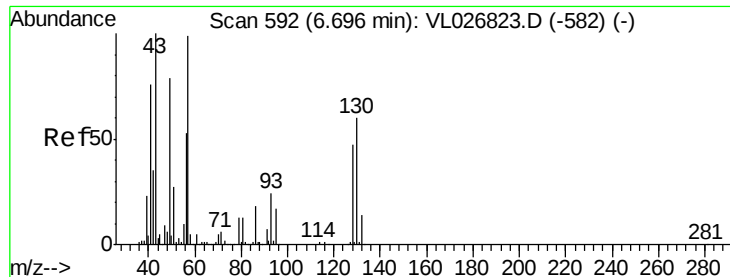
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026851.D

Acq: 10 Feb 2016 13:42

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

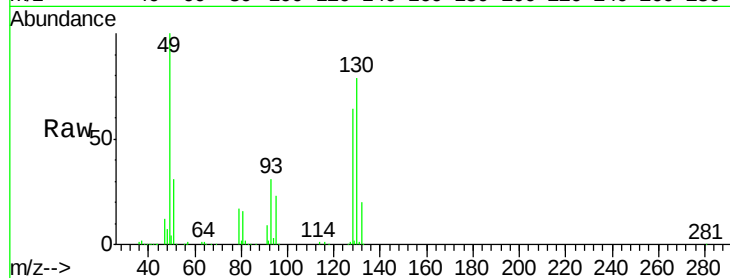
Tot Ion: 49 Resp: 1608162

Ion Ratio Lower Upper

49 100

128 64.8 29.7 89.1

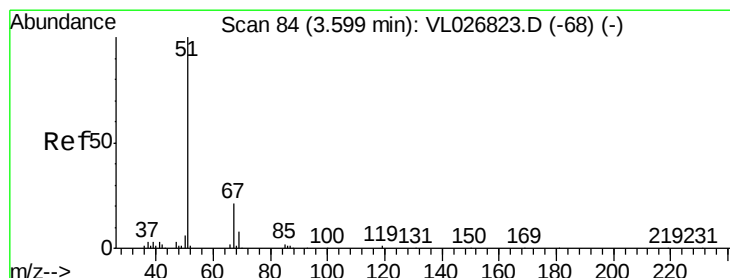
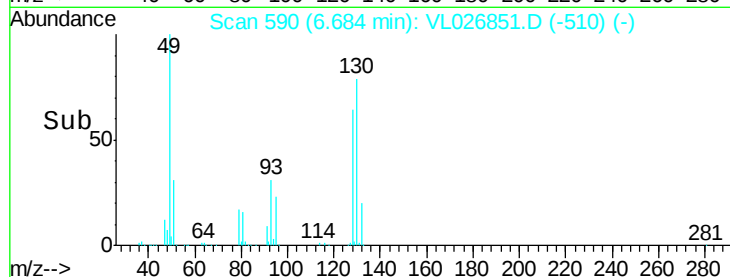
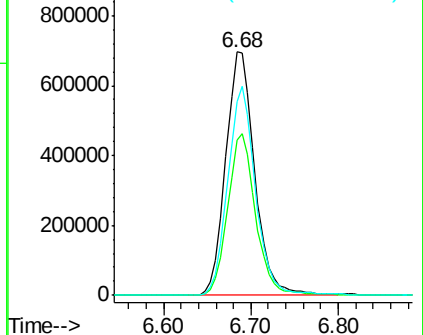
130 83.2 38.3 114.8



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: 2.17 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026851.D

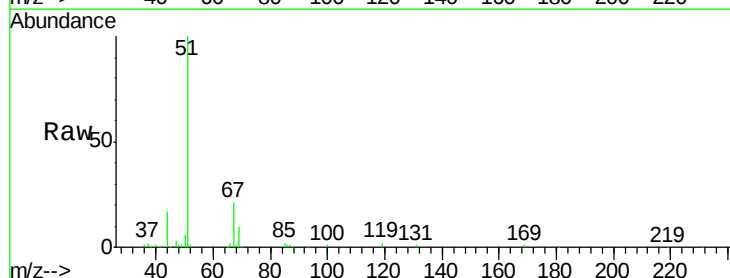
Acq: 10 Feb 2016 13:42

Tgt Ion: 51 Resp: 564964

Ion Ratio Lower Upper

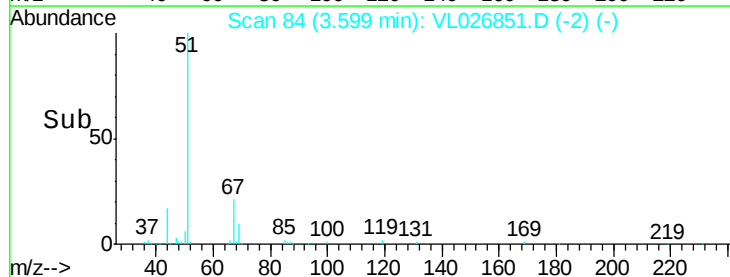
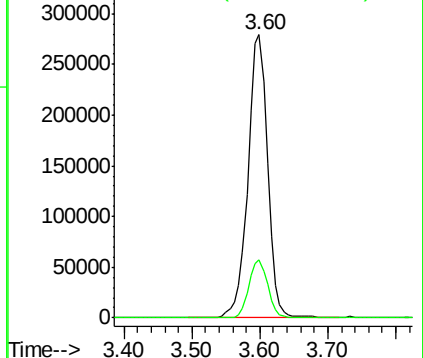
51 100

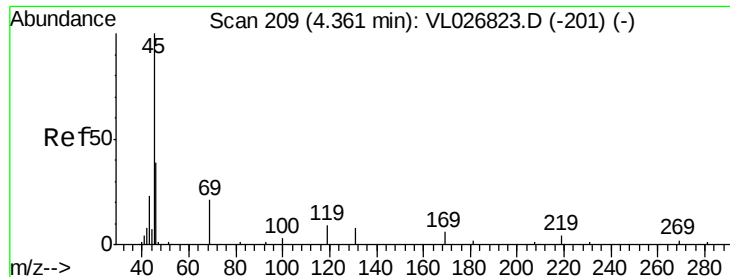
67 19.6 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 26.90 ppbv

RT: 4.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL026851.D

Acq: 10 Feb 2016 13:42

Instrument :

MSVOA_L

ClientSampleId :

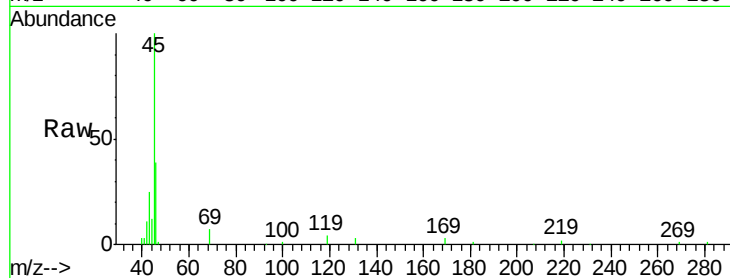
IAS-2DL

Tot Ion: 45 Resp: 326115

Ion Ratio Lower Upper

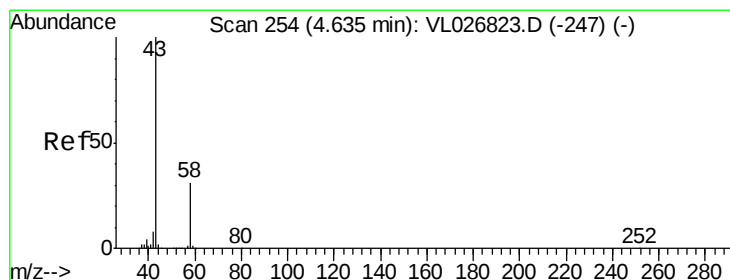
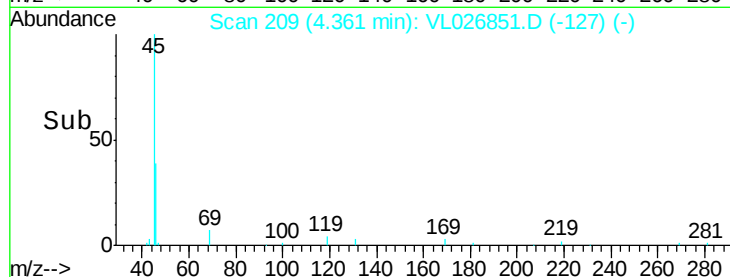
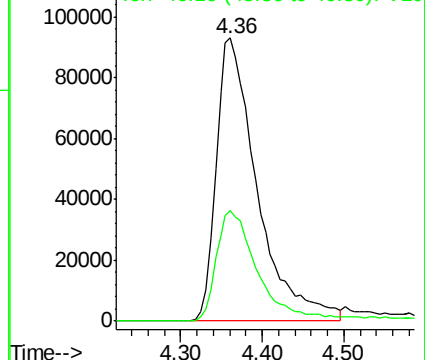
45 100

46 41.3 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: 8.01 ppbv

RT: 4.63 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL026851.D

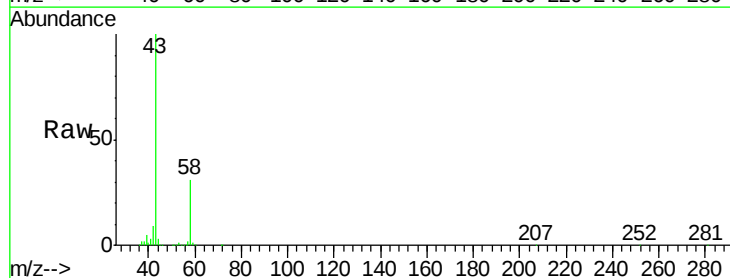
Acq: 10 Feb 2016 13:42

Tgt Ion: 43 Resp: 1769451

Ion Ratio Lower Upper

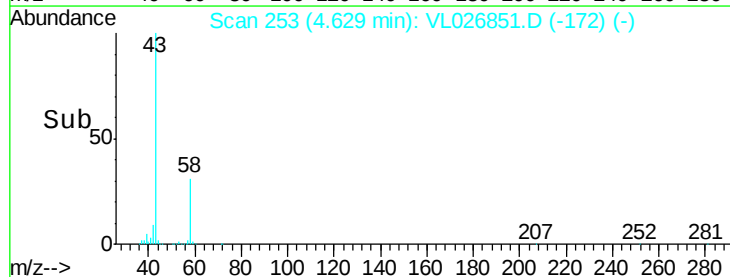
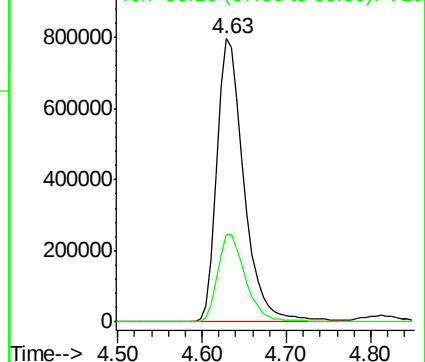
43 100

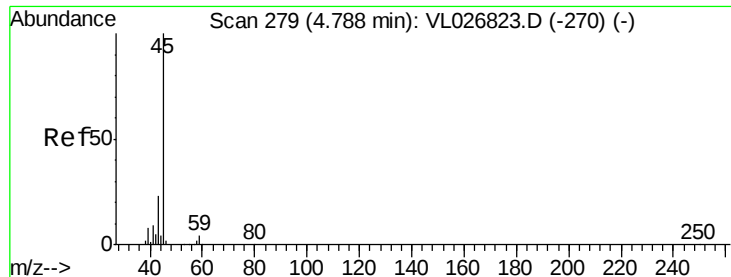
58 32.0 25.2 37.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 1.93 ppbv

RT: 4.81 min Scan# 282

Delta R.T. 0.02 min

Lab File: VL026851.D

Acq: 10 Feb 2016 13:42

Instrument :

MSVOA_L

ClientSampled :

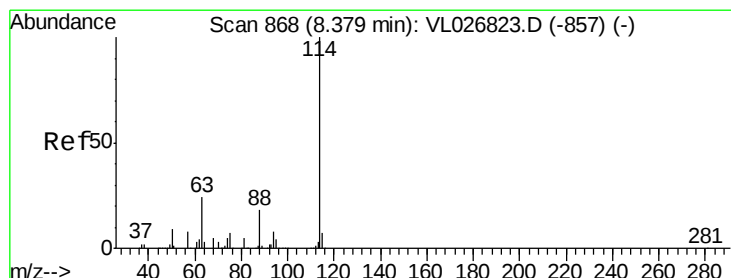
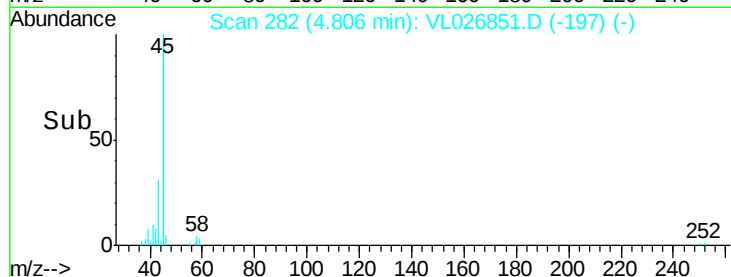
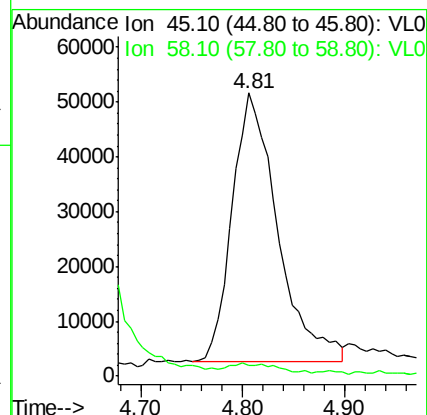
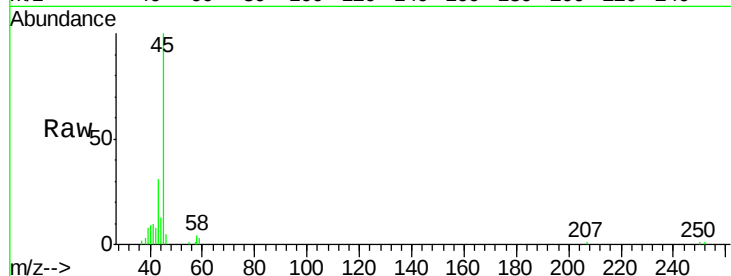
IAS-2DL

Tot Ion: 45 Resp: 152291

Ion Ratio Lower Upper

45 100

58 371.9 2.2 3.2#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.36 min Scan# 865

Delta R.T. -0.02 min

Lab File: VL026851.D

Acq: 10 Feb 2016 13:42

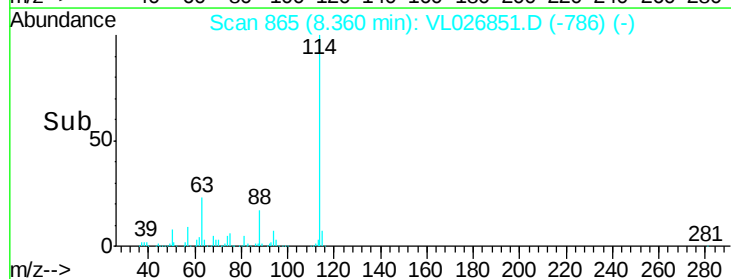
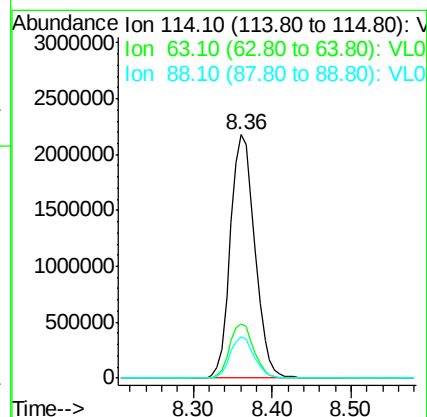
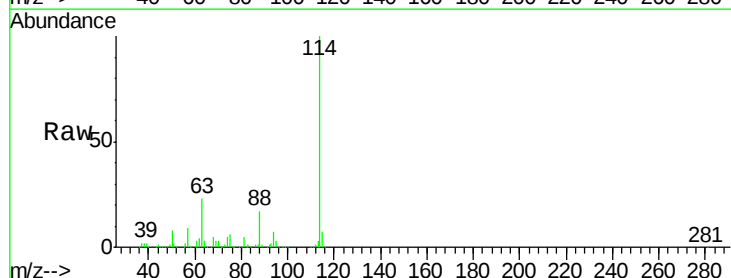
Tgt Ion: 114 Resp: 4709758

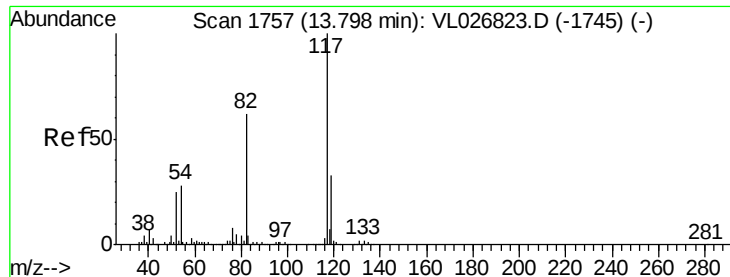
Ion Ratio Lower Upper

114 100

63 22.4 19.7 29.5

88 16.5 13.8 20.6

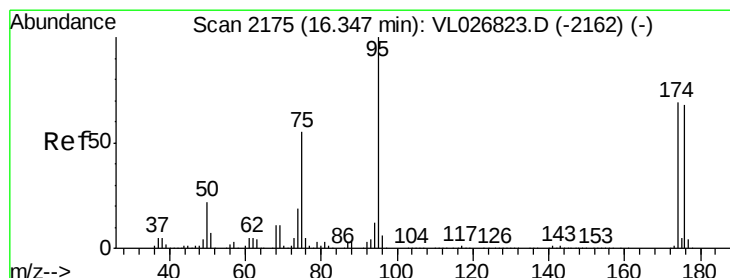
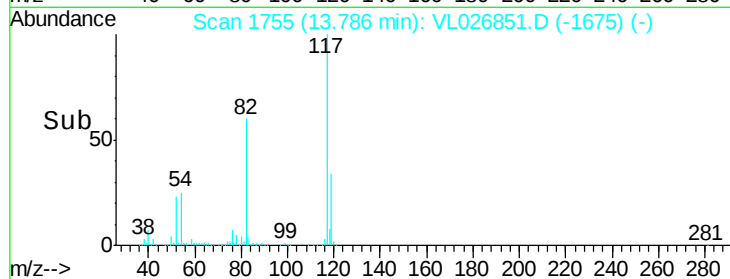
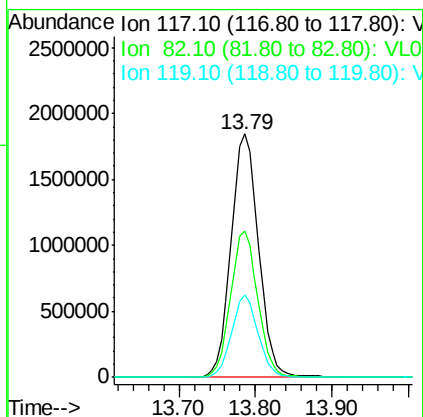
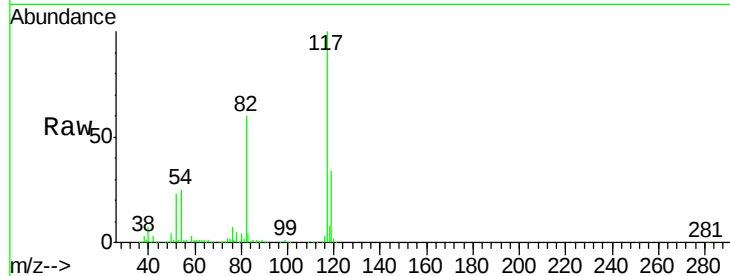




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tot Ion:117 Resp: 4606388
Ion Ratio Lower Upper
117 100
82 0.0 51.9 77.9#
119 0.0 48.5 72.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.91 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.02 min
Lab File: VL026851.D
Acq: 10 Feb 2016 13:42

Tgt Ion: 95 Resp: 3275946
Ion Ratio Lower Upper
95 100
174 74.8 55.6 83.4
175 5.3 3.9 5.9

