

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026656.D
 Acq On : 9 Jan 2016 00:56
 Operator : SY/AP
 Sample : VL0108ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0108ABL01

Quant Time: Jan 12 02:00:17 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	771334	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2361796	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	3166471	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	2665678	10.56	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

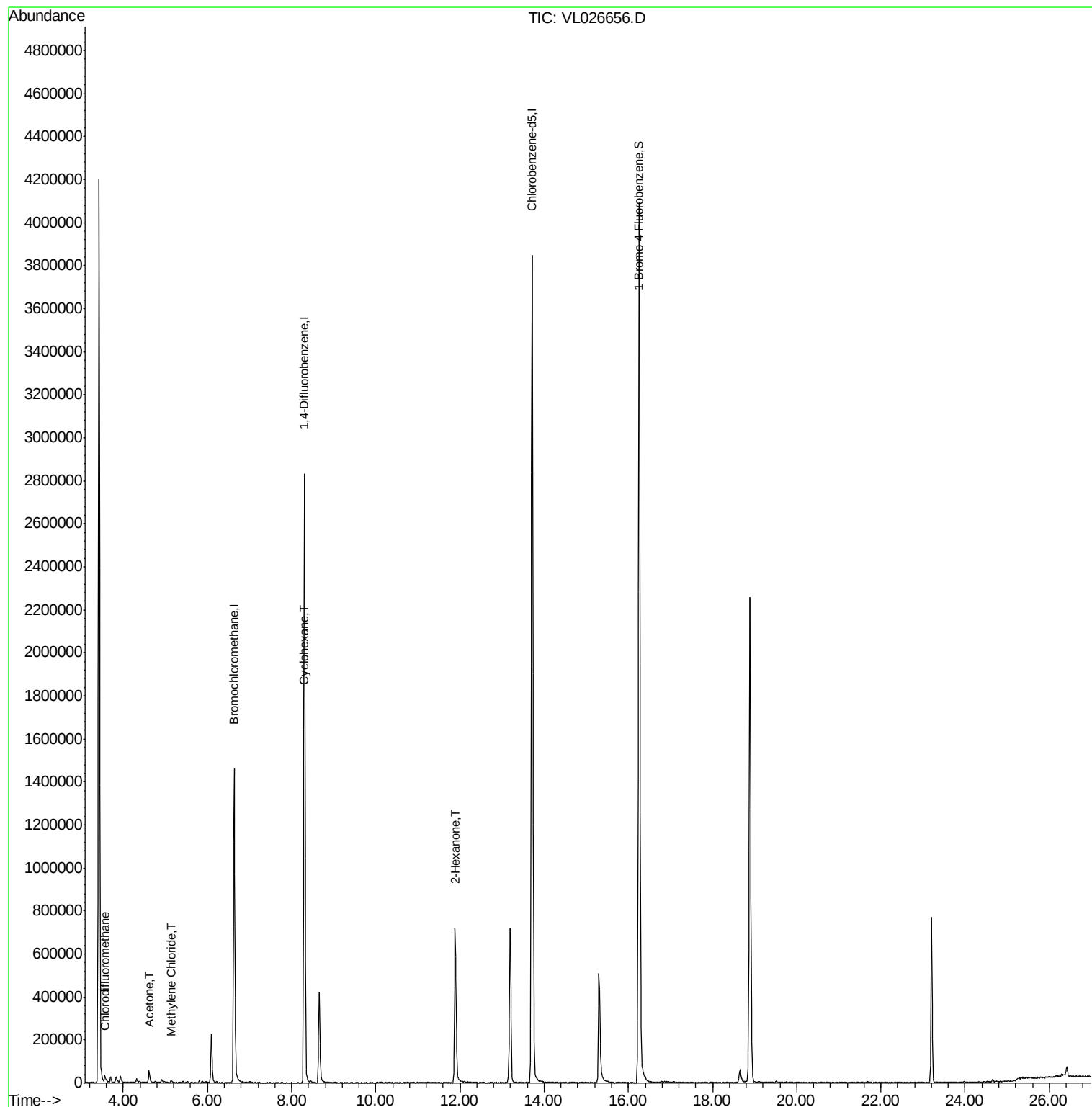
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	4834	0.05	ppbv #	69
15) Acetone	4.62	43	40606	0.32	ppbv #	1
20) Methylene Chloride	5.14	84	3566	0.07	ppbv	98
30) Cyclohexane	8.28	84	5560	0.06	ppbv #	1
51) 2-Hexanone	11.88	43	174046	1.07	ppbv #	23

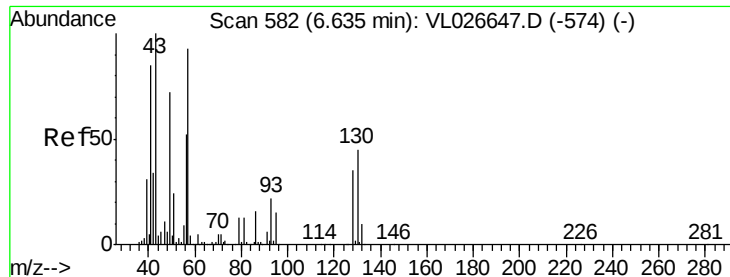
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.00 min

Lab File: VL026656.D

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VL0108ABL01

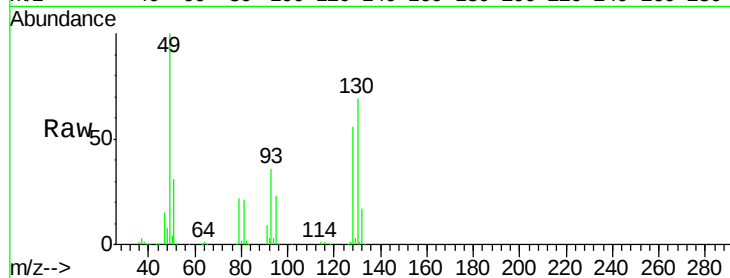
Tot Ion: 49 Resp: 771334

Ion Ratio Lower Upper

49 100

128 58.3 25.9 77.7

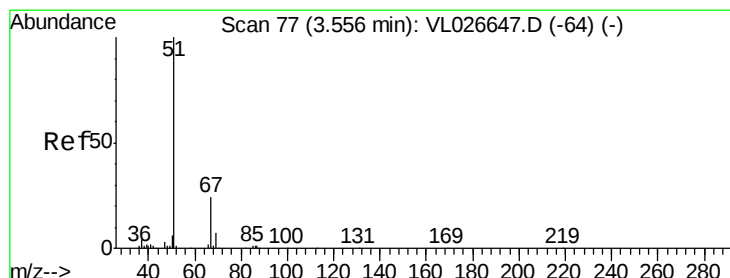
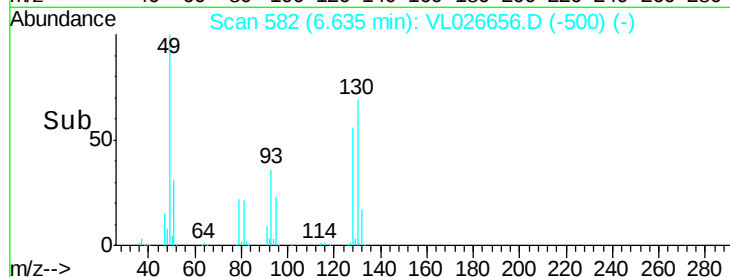
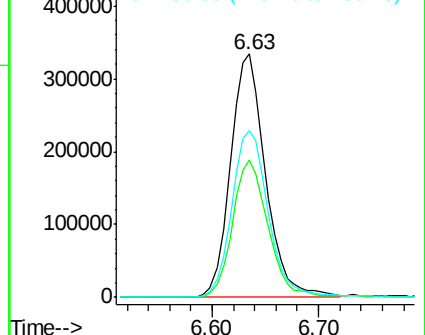
130 72.3 33.6 100.8



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: 0.05 ppbv

RT: 3.56 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL026656.D

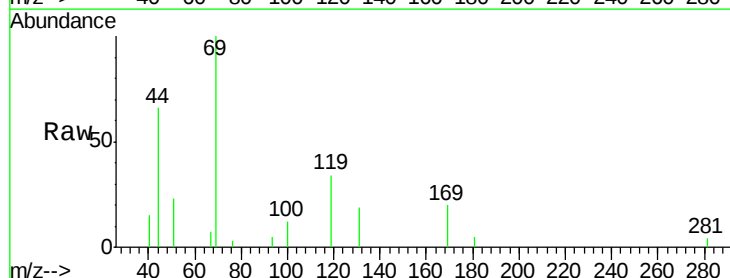
Acq: 9 Jan 2016 00:56

Tgt Ion: 51 Resp: 4834

Ion Ratio Lower Upper

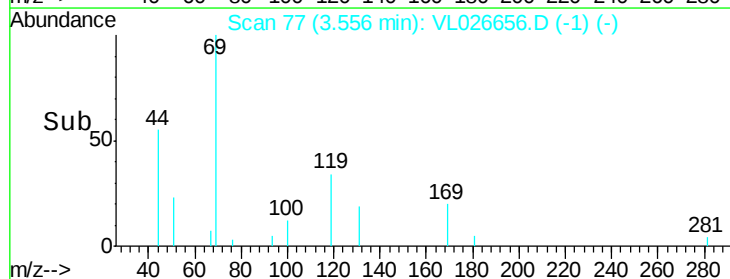
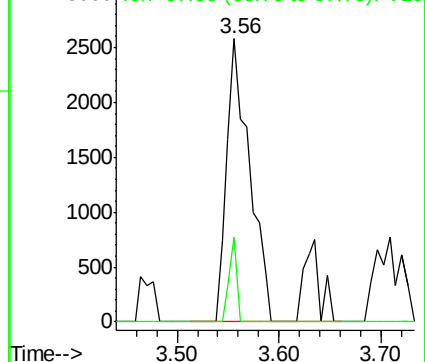
51 100

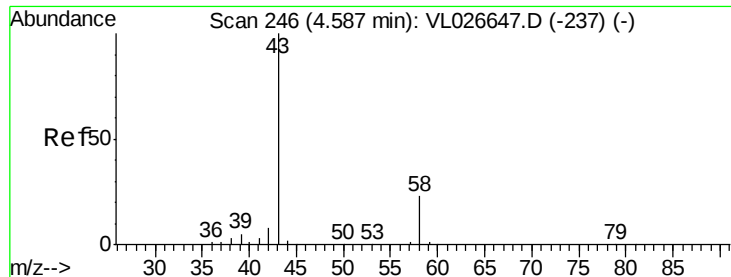
67 8.2 18.6 28.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.32 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.04 min

Lab File: VL026656.D

Acq: 9 Jan 2016 00:56

Instrument :

MSVOA_L

ClientSampleId :

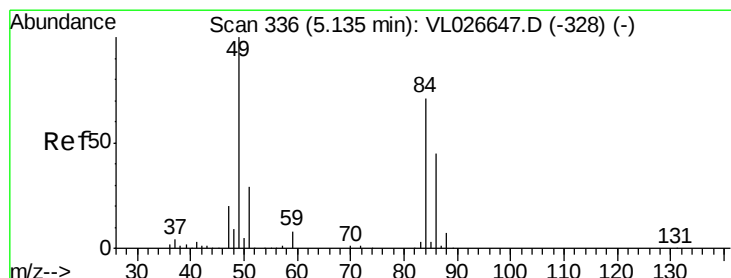
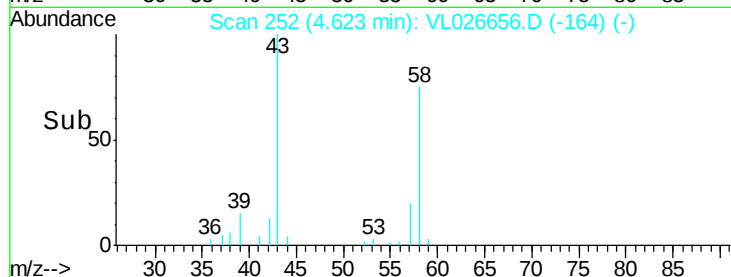
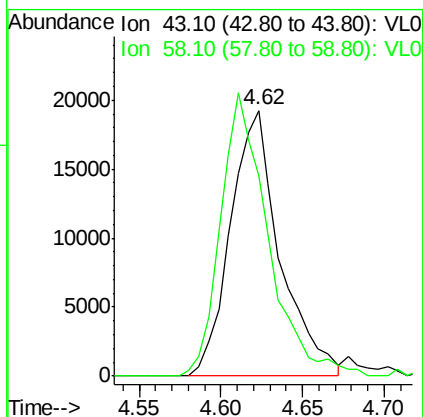
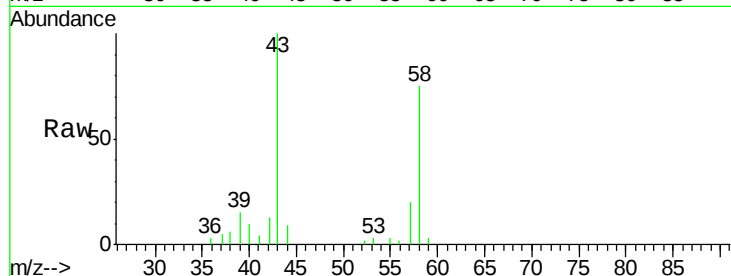
VL0108ABL01

Tot Ion: 43 Resp: 40606

Ion Ratio Lower Upper

43 100

58 102.8 19.2 28.8#



#20

Methylene Chloride

Concen: 0.07 ppbv

RT: 5.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL026656.D

Acq: 9 Jan 2016 00:56

Tgt Ion: 84 Resp: 3566

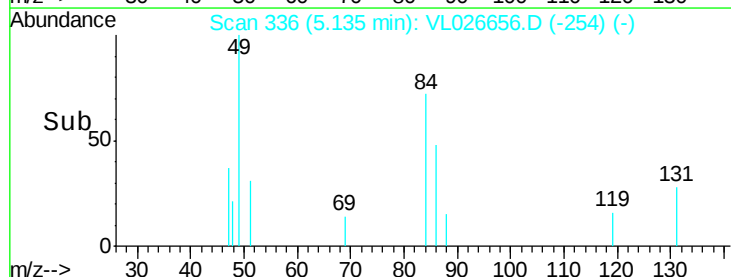
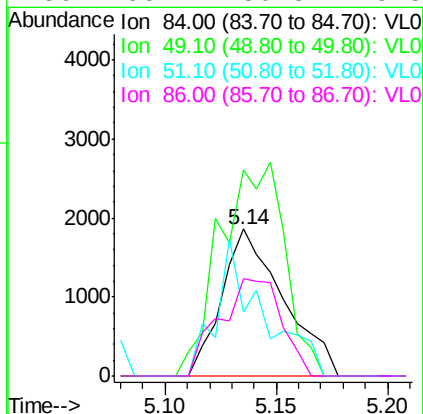
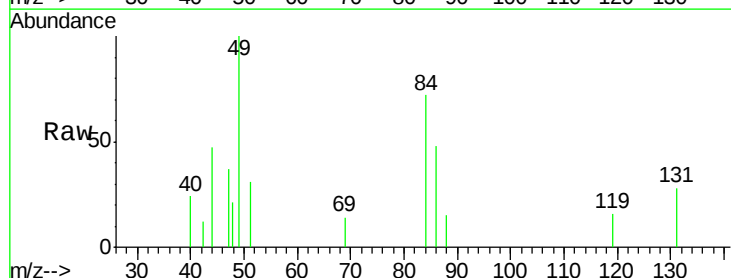
Ion Ratio Lower Upper

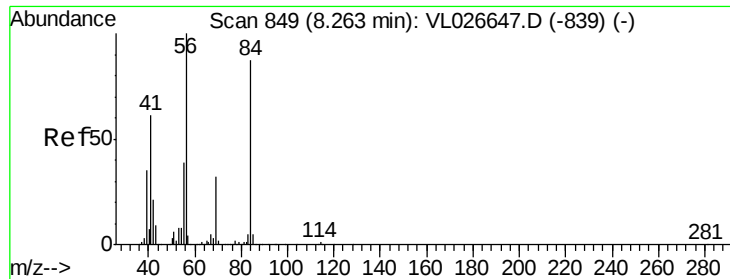
84 100

49 139.8 112.3 168.5

51 43.8 32.5 48.7

86 66.4 50.3 75.5

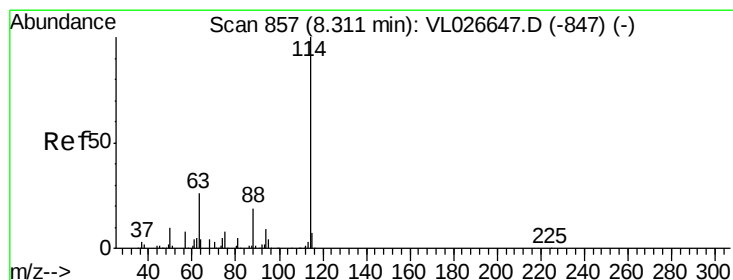
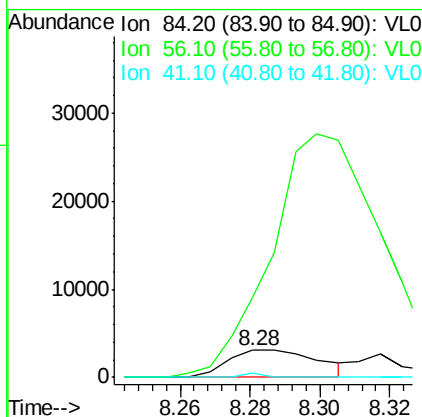
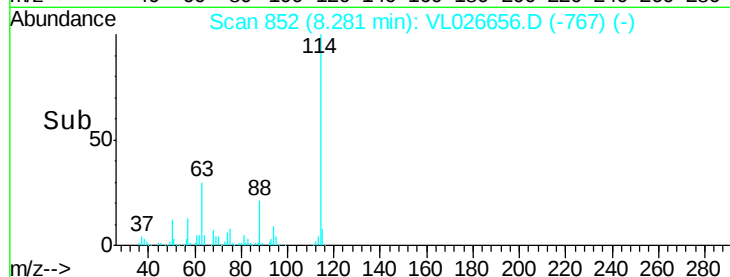
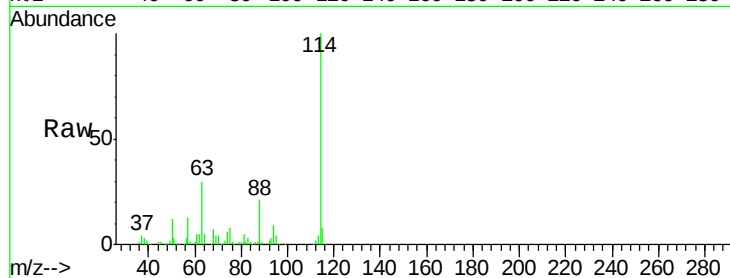




#30
Cvclohexane
Concen: 0.06 ppbv
RT: 8.28 min Scan# 852
Delta R.T. 0.02 min
Lab File: VL026656.D
Acq: 9 Jan 2016 00:56

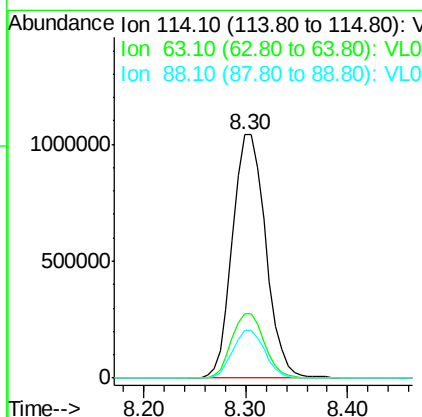
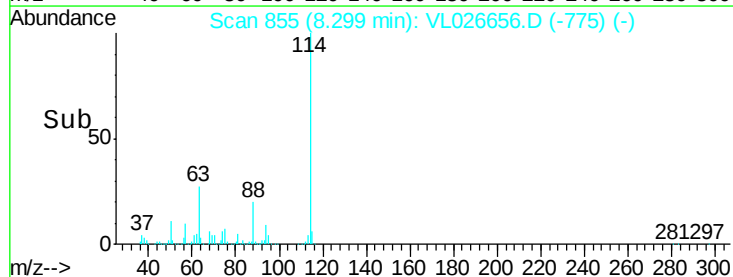
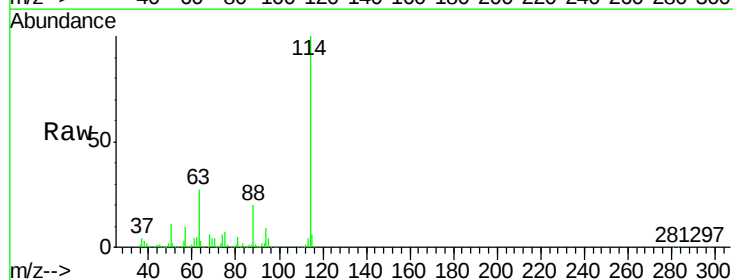
Instrument :
MSVOA_L
ClientSampleId :
VL0108ABL01

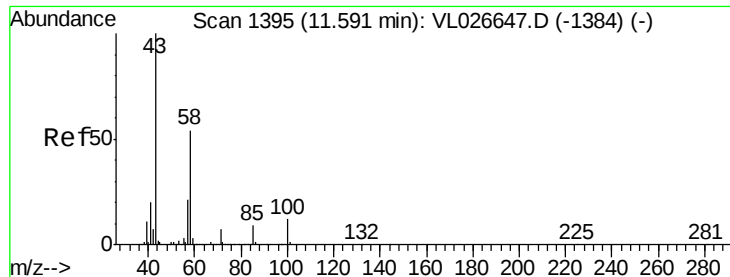
Tot Ion: 84 Resp: 5560
Ion Ratio Lower Upper
84 100
56 1124.0 95.9 143.9#
41 0.0 54.8 82.2#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026656.D
Acq: 9 Jan 2016 00:56

Tgt Ion: 114 Resp: 2361796
Ion Ratio Lower Upper
114 100
63 26.3 21.7 32.5
88 19.4 15.2 22.8





#51

2-Hexanone

Concen: 1.07 ppbv

RT: 11.88 min Scan# 1443

Delta R.T. 0.29 min

Lab File: VL026656.D

Acq: 9 Jan 2016 00:56

Instrument :

MSVOA_L

ClientSampleId :

VL0108ABL01

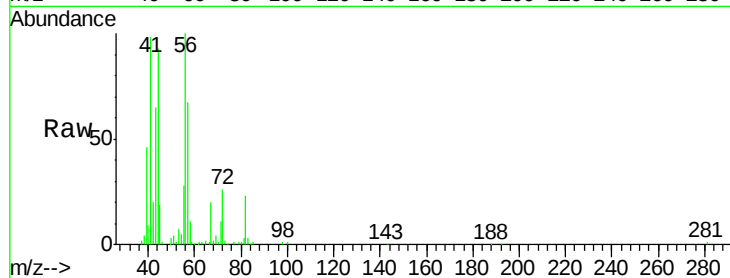
Tot Ion: 43 Resp: 174046

Ion Ratio Lower Upper

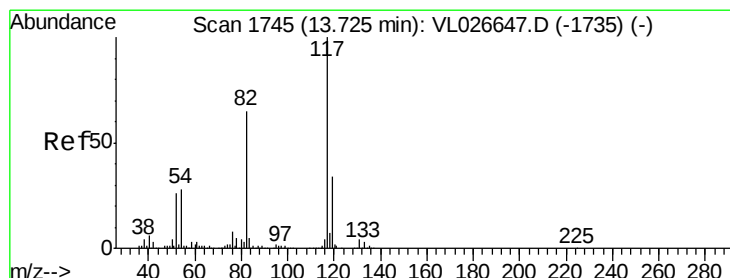
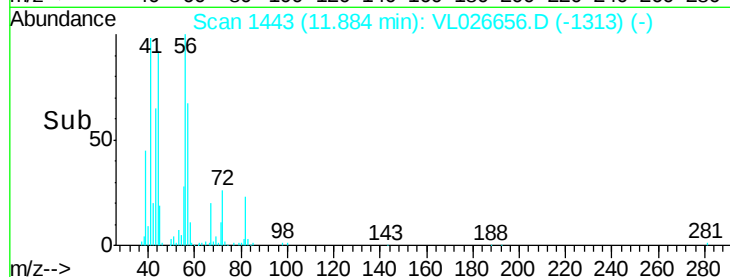
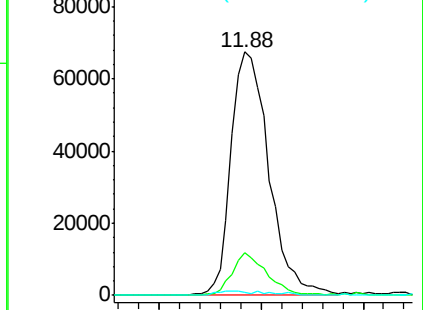
43 100

58 0.0 44.9 67.3#

98 2.4 0.2 0.2#



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: 13.72 min Scan# 1744

Delta R.T. -0.01 min

Lab File: VL026656.D

Acq: 9 Jan 2016 00:56

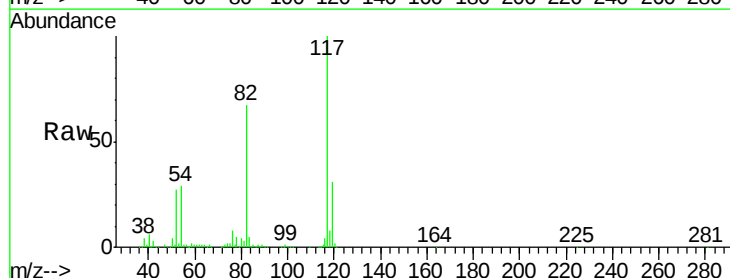
Tgt Ion: 117 Resp: 3166471

Ion Ratio Lower Upper

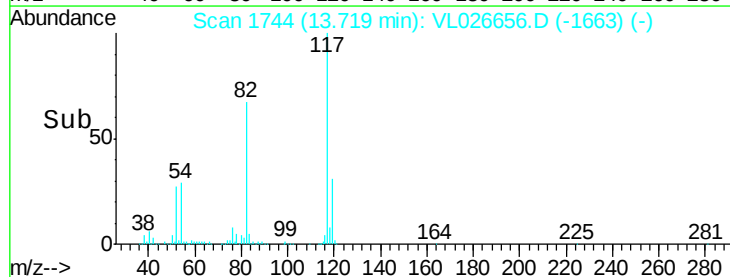
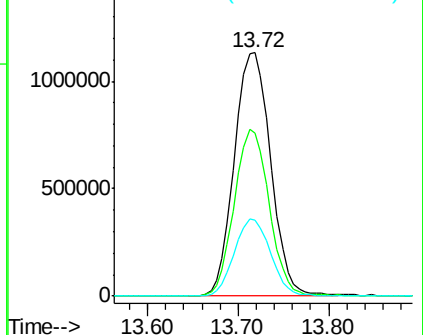
117 100

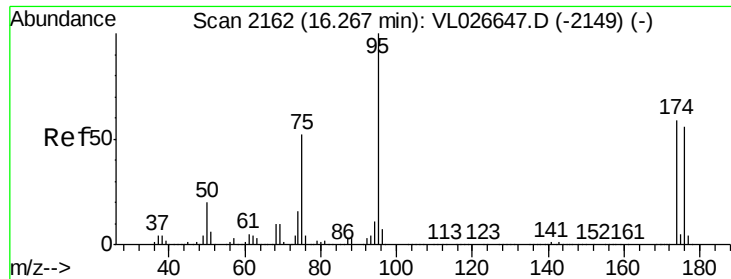
82 66.3 49.7 74.5

119 31.8 43.8 65.8#



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: 10.56 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026656.D

Acq: 9 Jan 2016 00:56

Instrument :

MSVOA_L

ClientSampleId :

VL0108ABL01

Tot Ion: 95 Resp: 2665678

Ion Ratio Lower Upper

95 100

174 60.5 47.8 71.8

175 4.3 3.6 5.4

