

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025752.D
 Acq On : 27 Jul 2015 14:08
 Operator : SY/MD
 Sample : OC072115 CAN 10445
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC072115 CAN 10445

Quant Time: Jul 28 01:00:21 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	659930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1764546	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2189479	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1906039	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

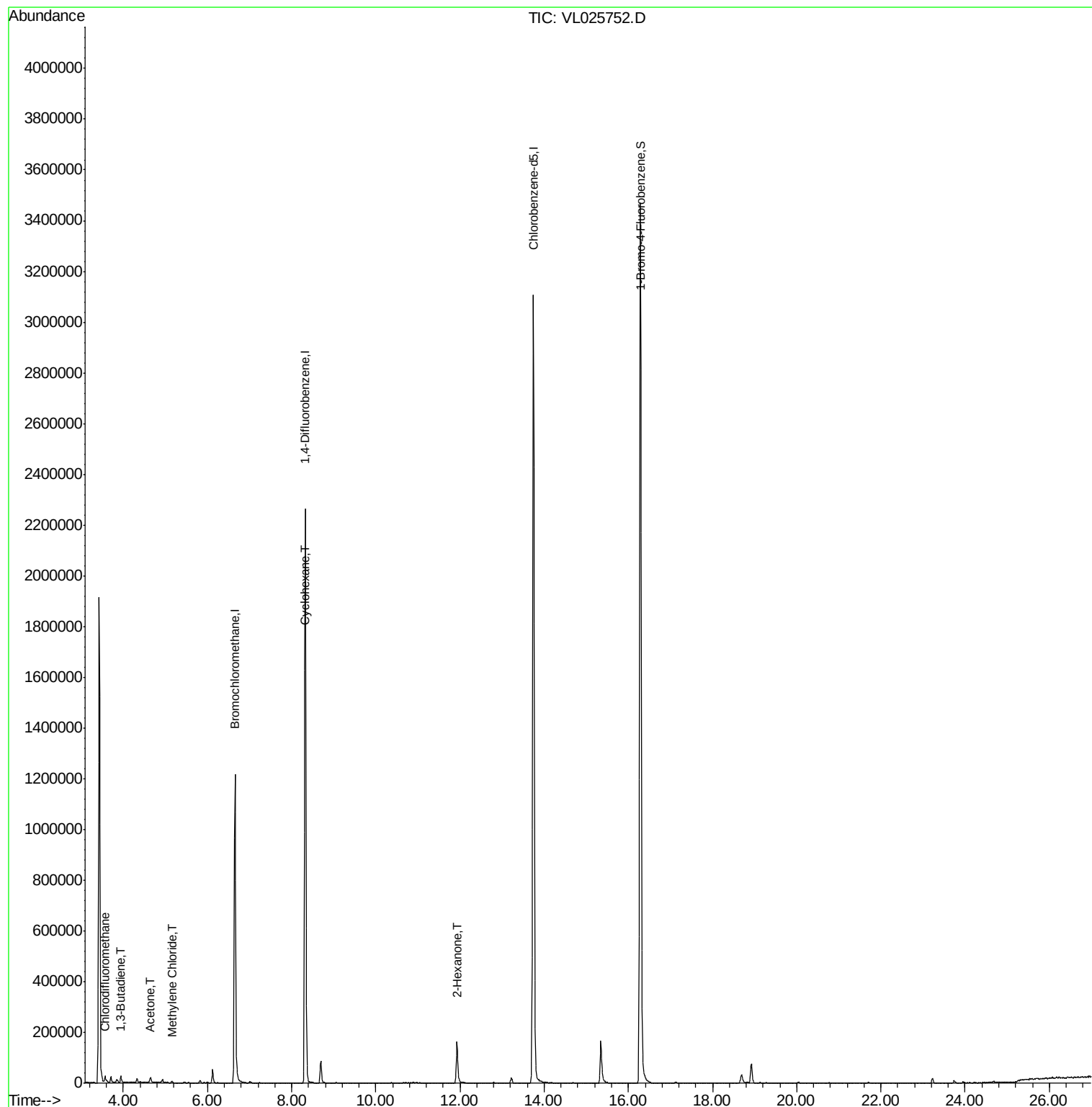
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.57	51	4113	0.04	ppbv	92
15) Acetone	4.65	43	21010	0.18	ppbv #	5
16) 1,3-Butadiene	3.95	39	2953	0.06	ppbv #	12
20) Methylene Chloride	5.15	84	3238	0.07	ppbv #	72
30) Cyclohexane	8.31	84	2657	0.03	ppbv #	1
51) 2-Hexanone	11.93	43	37903	0.29	ppbv #	51

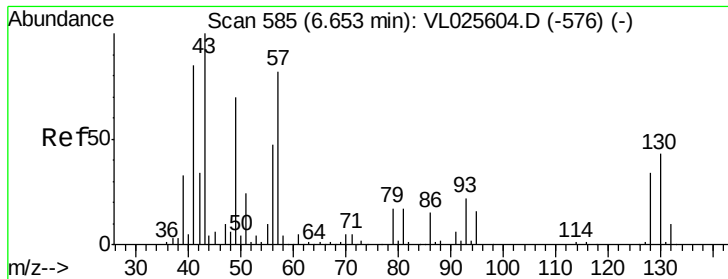
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025752.D

Acq: 27 Jul 2015 14:08

Instrument :

MSVOA_L

ClientSampleId :

QC072115 CAN 10445

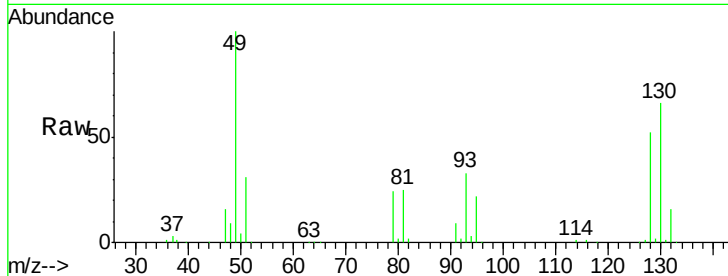
Tot Ion: 49 Resp: 659930

Ion Ratio Lower Upper

49 100

128 51.7 25.4 76.0

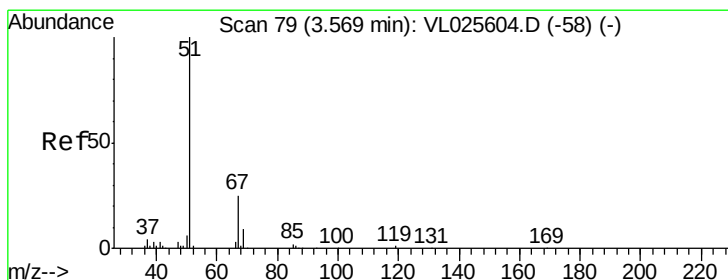
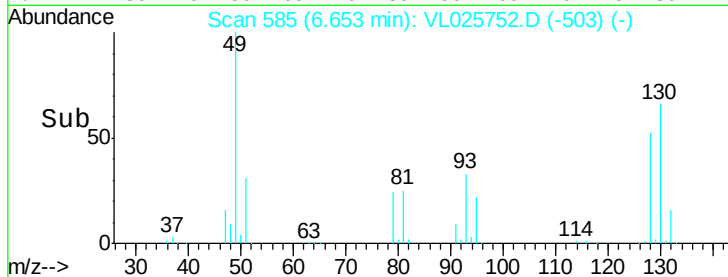
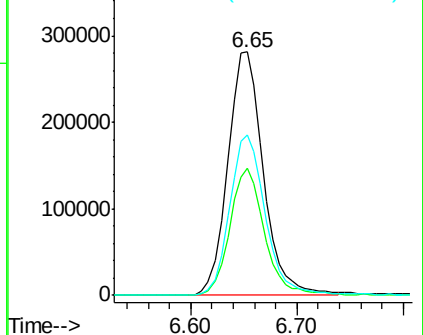
130 66.2 31.9 95.9



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: 0.04 ppbv

RT: 3.57 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL025752.D

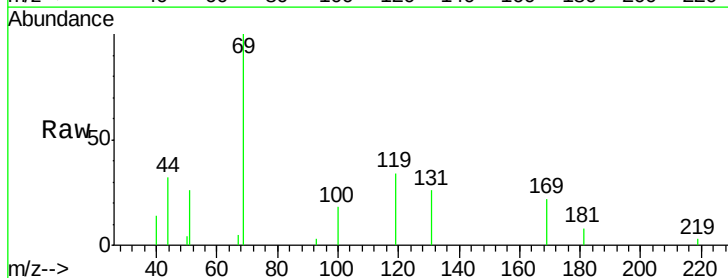
Acq: 27 Jul 2015 14:08

Tgt Ion: 51 Resp: 4113

Ion Ratio Lower Upper

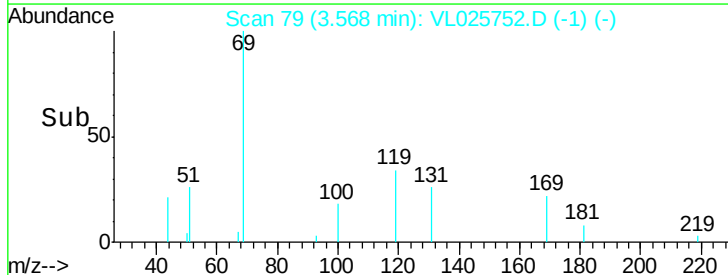
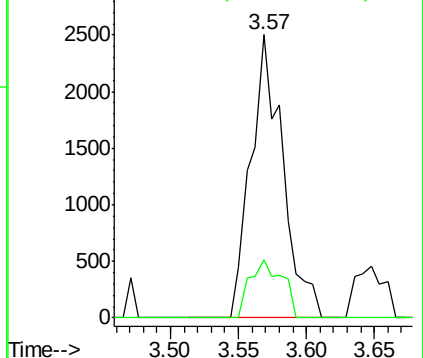
51 100

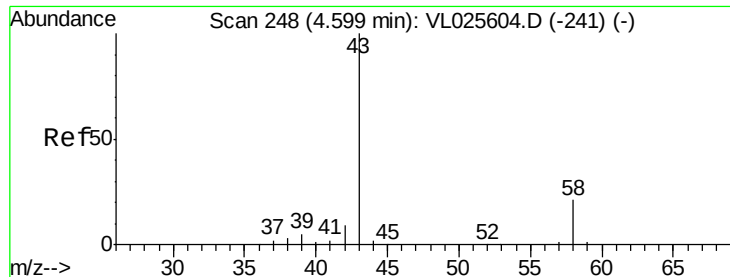
67 20.6 19.5 29.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.18 ppbv

RT: 4.65 min Scan# 256

Delta R.T. 0.05 min

Lab File: VL025752.D

Acq: 27 Jul 2015 14:08

Instrument :

MSVOA_L

ClientSampleId :

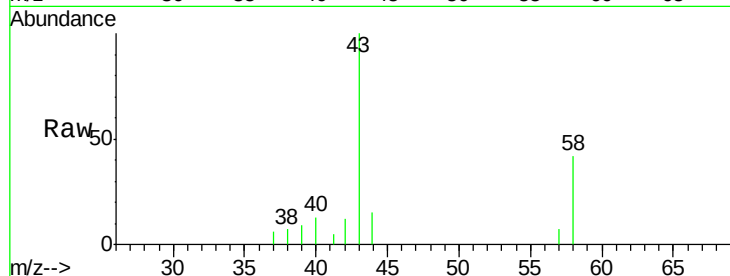
QC072115 CAN 10445

Tot Ion: 43 Resp: 21010

Ion Ratio Lower Upper

43 100

58 66.3 17.2 25.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

12000

10000

8000

6000

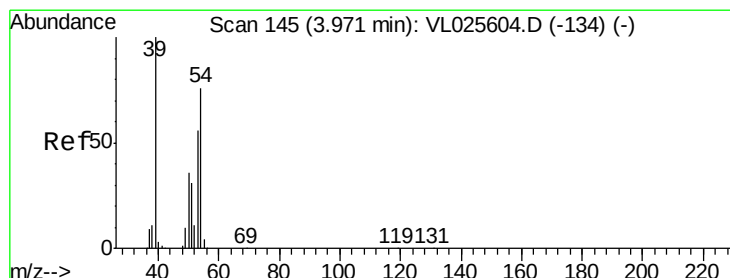
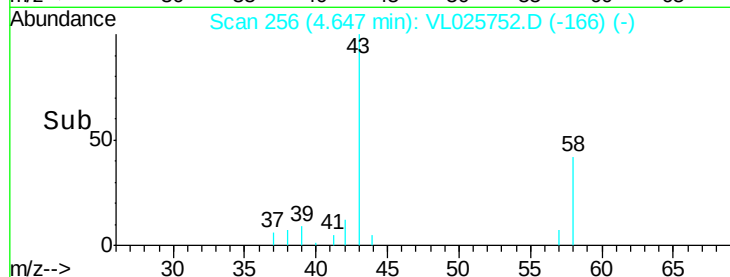
4000

2000

0

4.60 4.65 4.70 4.75

Time-->



#16

1,3-Butadiene

Concen: 0.06 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL025752.D

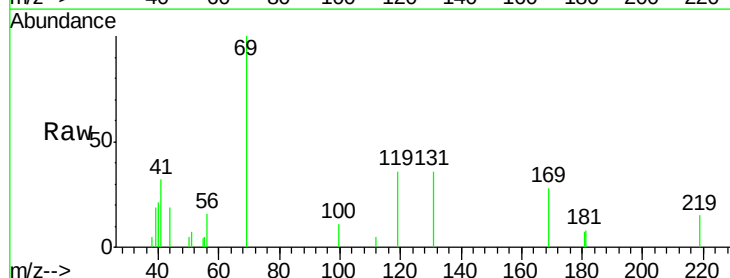
Acq: 27 Jul 2015 14:08

Tgt Ion: 39 Resp: 2953

Ion Ratio Lower Upper

39 100

54 0.0 59.3 88.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

1500

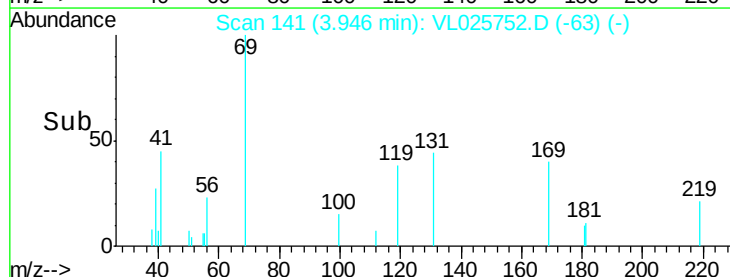
1000

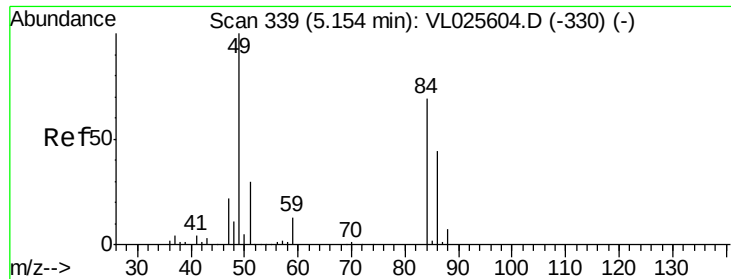
500

0

3.90 3.95

Time-->

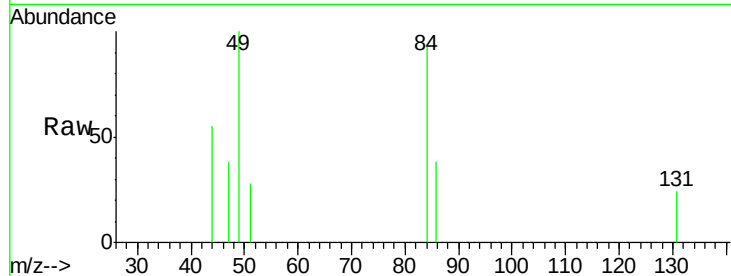




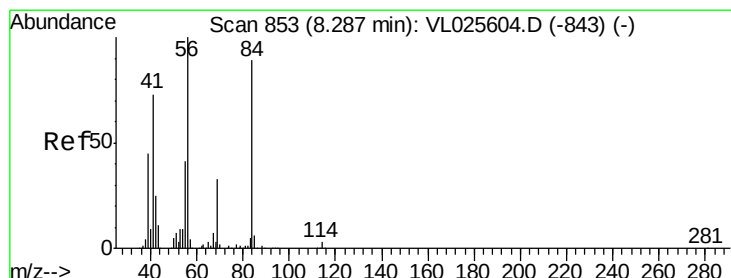
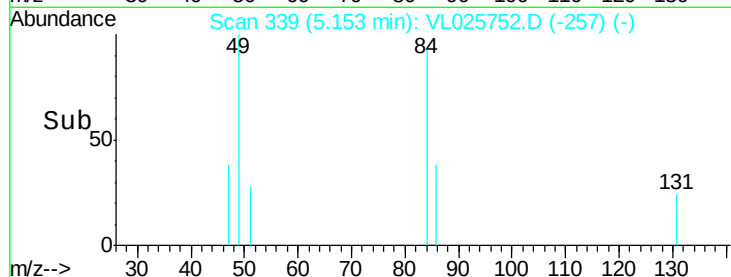
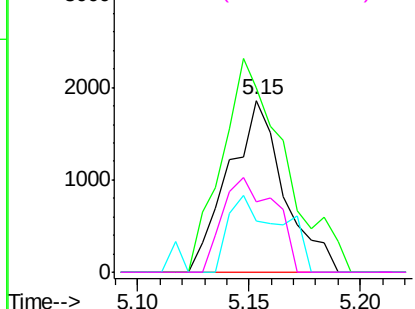
#20
Methylene Chloride
Concen: 0.07 ppbv
RT: 5.15 min Scan# 339
Delta R.T. -0.00 min
Lab File: VL025752.D
Acq: 27 Jul 2015 14:08

Instrument :
MSVOA_L
ClientSampleId :
QC072115 CAN 10445

Tot Ion: 84 Resp: 3238
Ion Ratio Lower Upper
84 100
49 107.5 115.2 172.8#
51 29.6 35.0 52.6#
86 41.1 50.6 76.0#

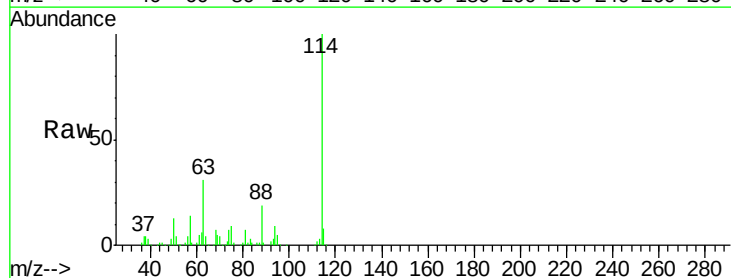


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

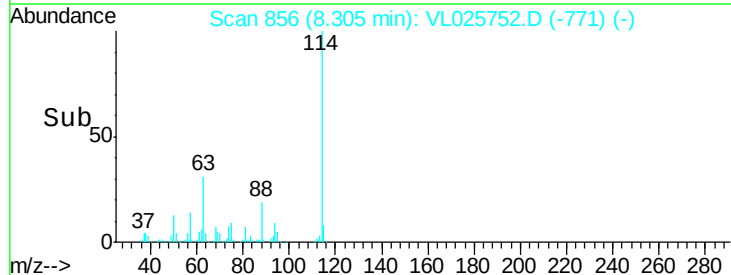
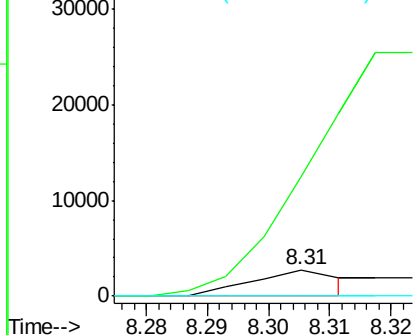


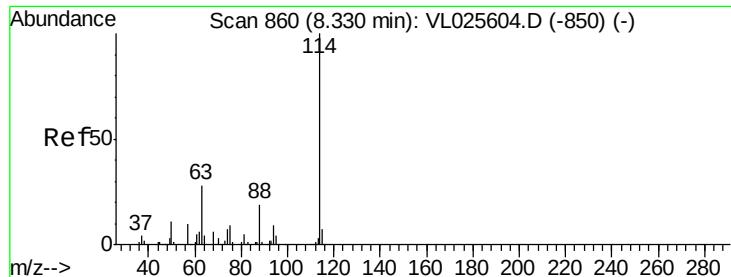
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025752.D
Acq: 27 Jul 2015 14:08

Tgt Ion: 84 Resp: 2657
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 0.0 65.4 98.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

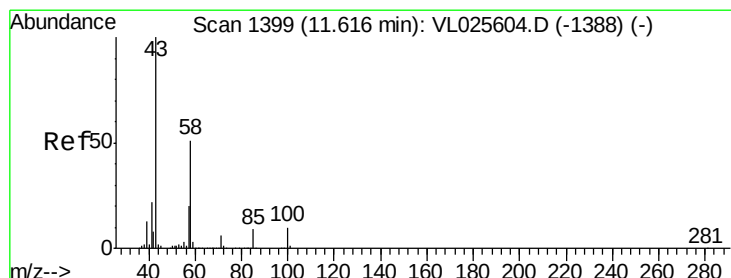
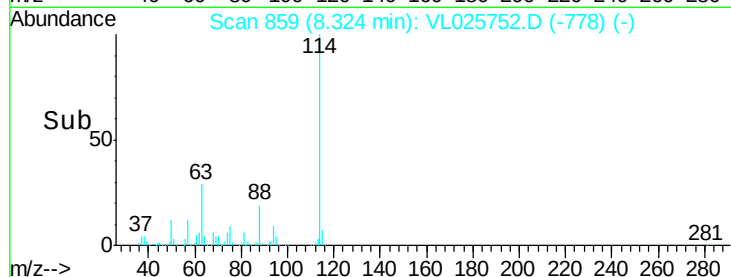
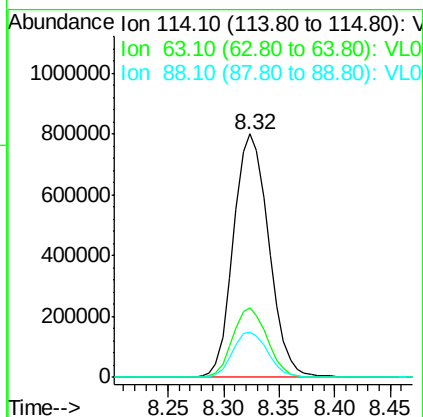
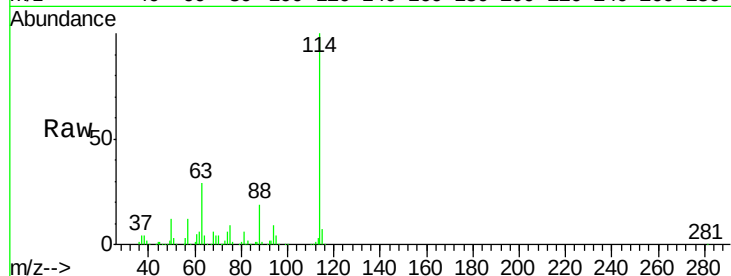




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL025752.D
 Acq: 27 Jul 2015 14:08

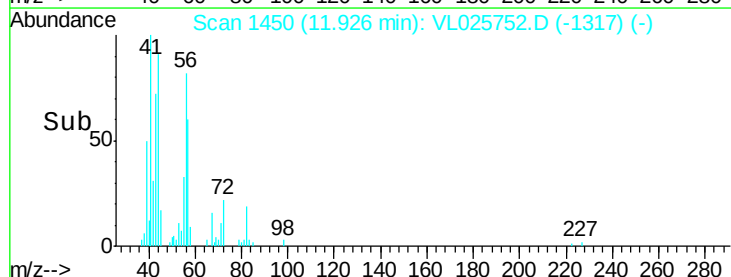
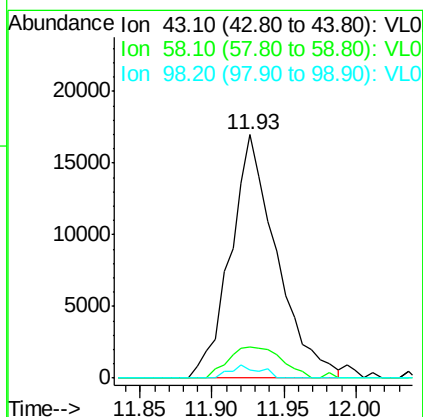
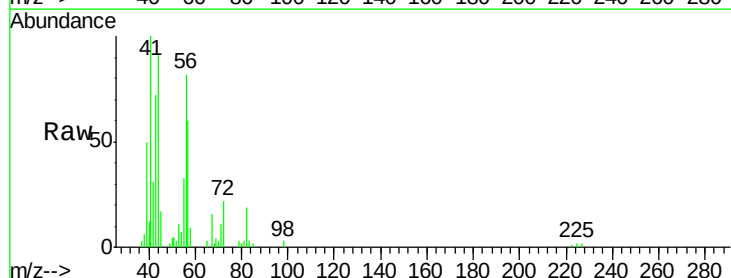
Instrument :
 MSVOA_L
 ClientSampleId :
 QC072115 CAN 10445

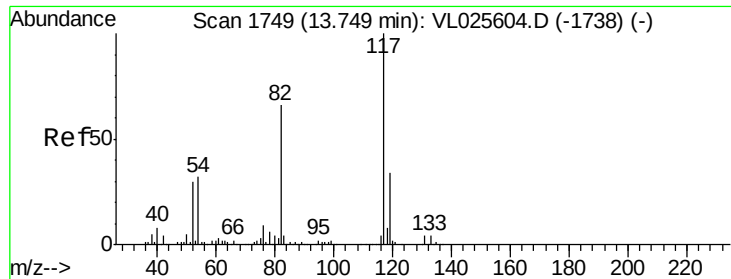
Tot Ion:114 Resp: 1764546
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.4 33.6
 88 18.6 15.0 22.4



#51
 2-Hexanone
 Concen: 0.29 ppbv
 RT: 11.93 min Scan# 1450
 Delta R.T. 0.31 min
 Lab File: VL025752.D
 Acq: 27 Jul 2015 14:08

Tgt Ion: 43 Resp: 37903
 Ion Ratio Lower Upper
 43 100
 58 15.1 39.0 58.6#
 98 3.6 0.2 0.4#

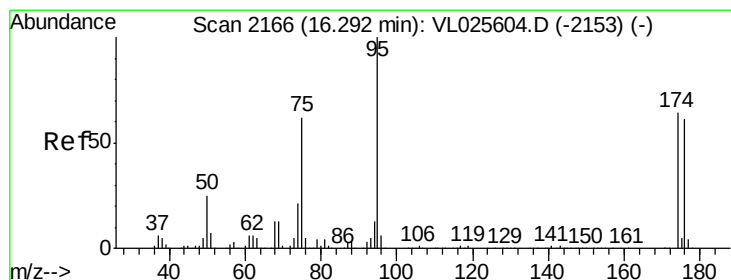
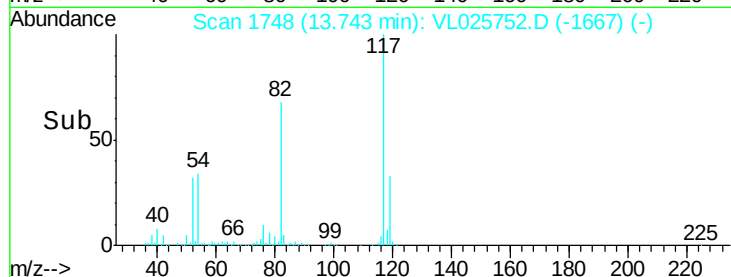
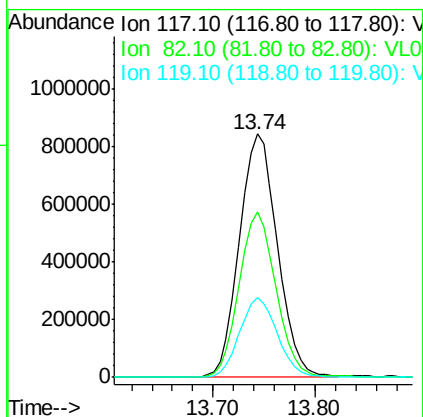
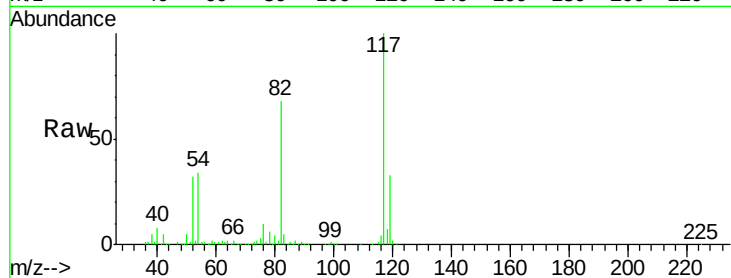




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025752.D
Acq: 27 Jul 2015 14:08

Instrument :
MSVOA_L
ClientSampleId :
QC072115 CAN 10445

Tot Ion:117 Resp: 2189479
Ion Ratio Lower Upper
117 100
82 66.8 50.5 75.7
119 32.8 45.1 67.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.32 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025752.D
Acq: 27 Jul 2015 14:08

Tgt Ion: 95 Resp: 1906039
Ion Ratio Lower Upper
95 100
174 64.3 52.0 78.0
175 4.8 3.9 5.9

