

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL072715\
 Data File : VL025750.D
 Acq On : 27 Jul 2015 12:46
 Operator : SY/MD
 Sample : VL0727ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABL01

Quant Time: Jul 27 14:04:08 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	714859	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1889588	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2340399	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2047731	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

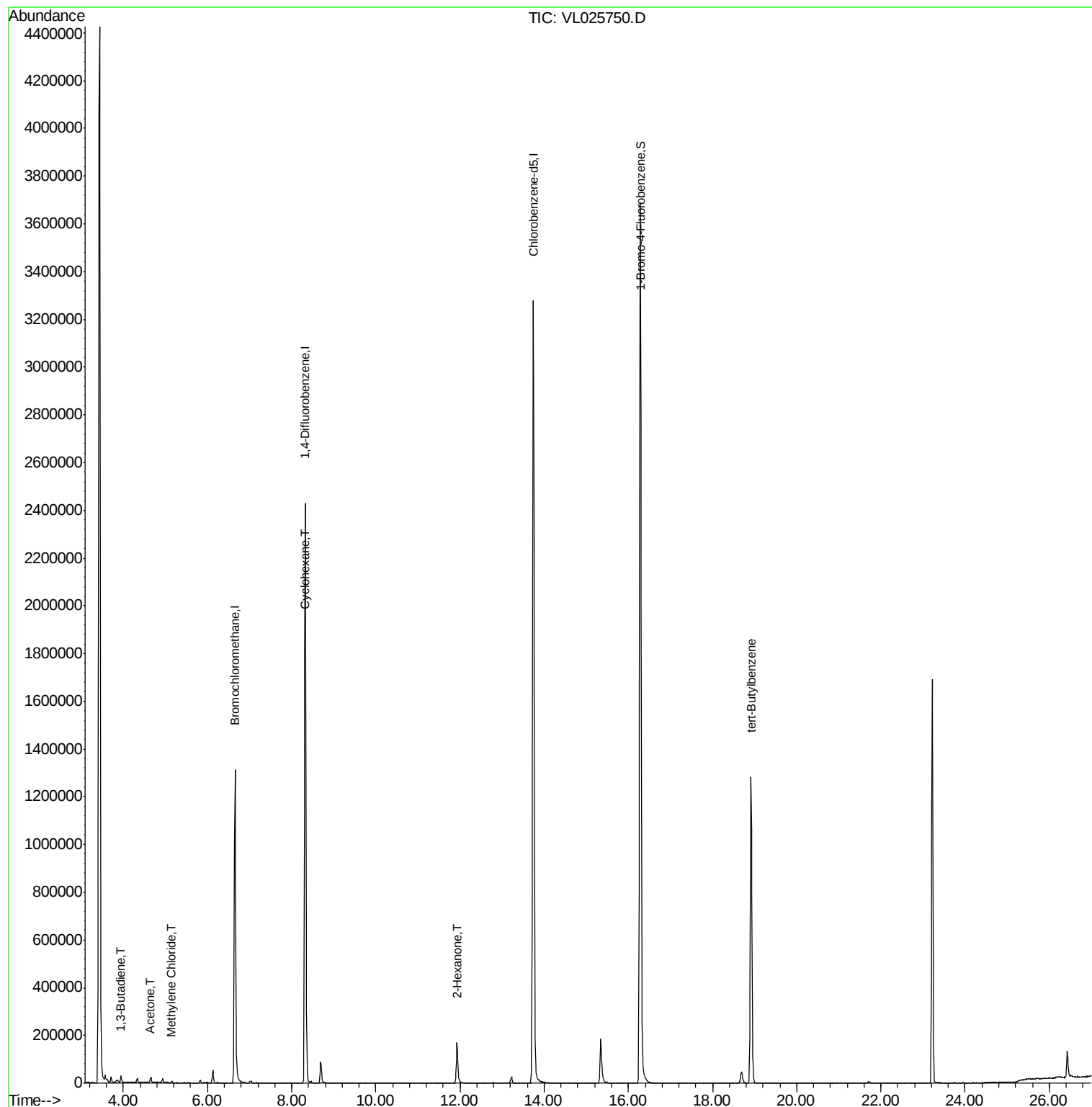
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	4.65	43	20703	0.16	ppbv #	7
16) 1,3-Butadiene	3.95	39	3302	0.07	ppbv #	12
20) Methylene Chloride	5.15	84	1957	0.04	ppbv #	75
30) Cyclohexane	8.31	84	3685	0.04	ppbv #	1
51) 2-Hexanone	11.93	43	38323	0.28	ppbv #	29
65) tert-Butylbenzene	18.91	119	18275	0.04	ppbv #	19

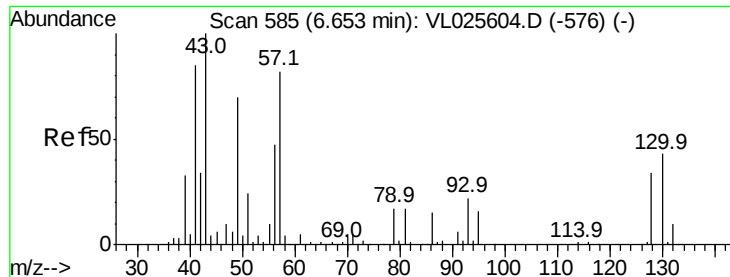
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL025750.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0727ABL01

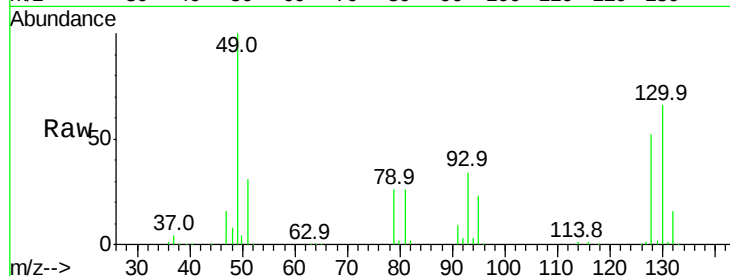
Tgt Ion: 49 Resp: 714859

Ion Ratio Lower Upper

49 100

128 51.2 25.4 76.0

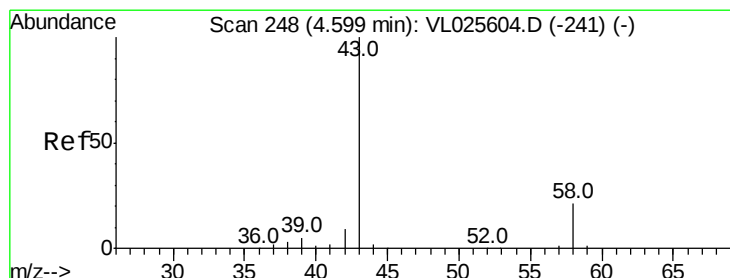
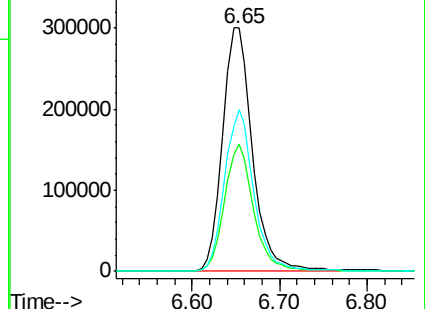
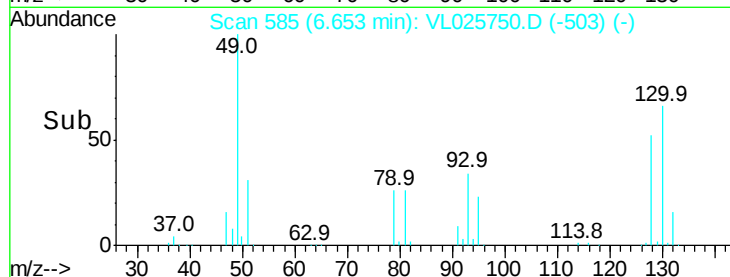
130 65.8 31.9 95.9



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



#15

Acetone

Concen: 0.16 ppbv

RT: 4.65 min Scan# 257

Delta R.T. 0.05 min

Lab File: VL025750.D

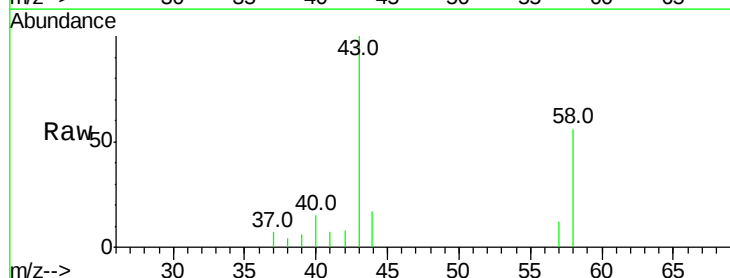
Acq: 27 Jul 2015 12:46

Tgt Ion: 43 Resp: 20703

Ion Ratio Lower Upper

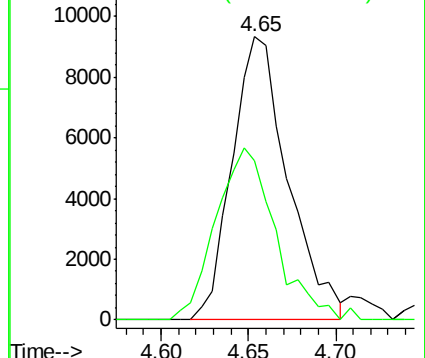
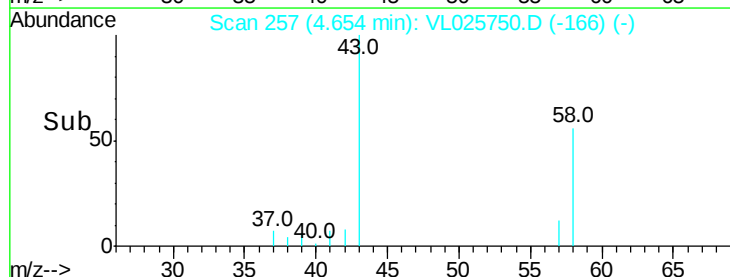
43 100

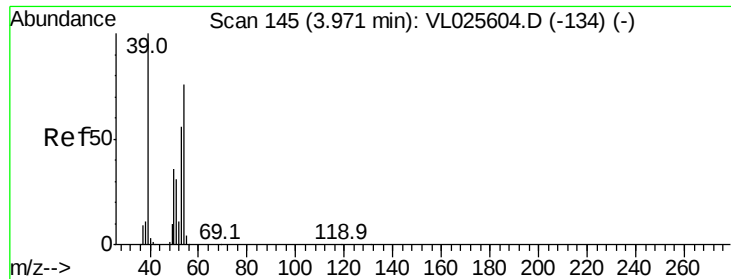
58 65.4 17.2 25.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#16

1,3-Butadiene

Concen: 0.07 ppbv

RT: 3.95 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL025750.D

Acq: 27 Jul 2015 12:46

Instrument :

MSVOA_L

ClientSampleId :

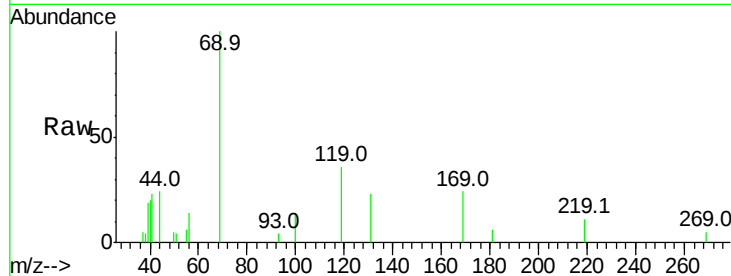
VL0727ABL01

Tgt Ion: 39 Resp: 3302

Ion Ratio Lower Upper

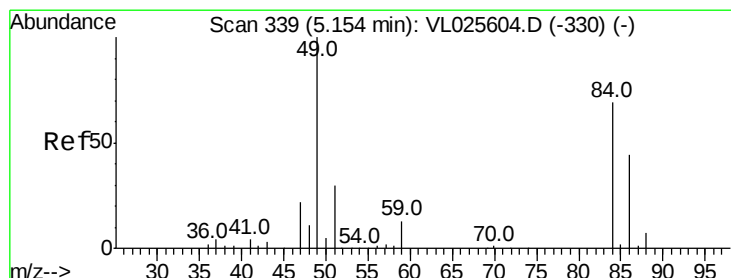
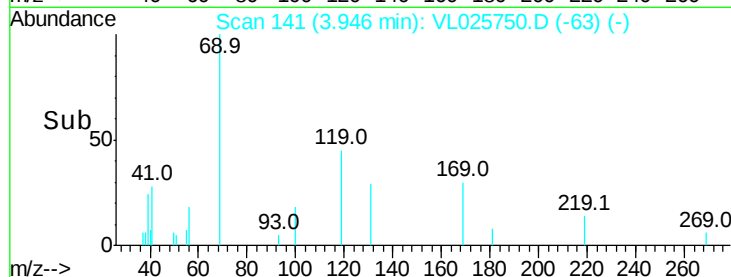
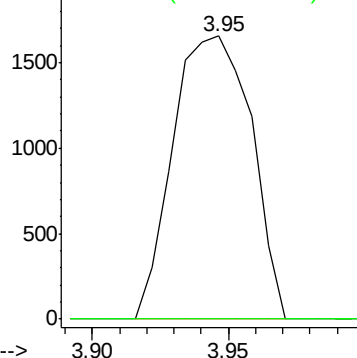
39 100

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



#20

Methylene Chloride

Concen: 0.04 ppbv

RT: 5.15 min Scan# 338

Delta R.T. -0.01 min

Lab File: VL025750.D

Acq: 27 Jul 2015 12:46

Tgt Ion: 84 Resp: 1957

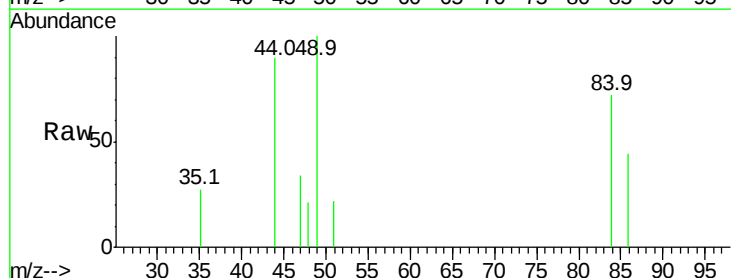
Ion Ratio Lower Upper

84 100

49 100.7 115.2 172.8#

51 30.7 35.0 52.6#

86 60.3 50.6 76.0

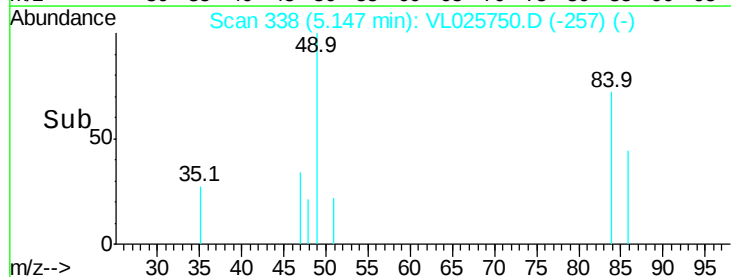
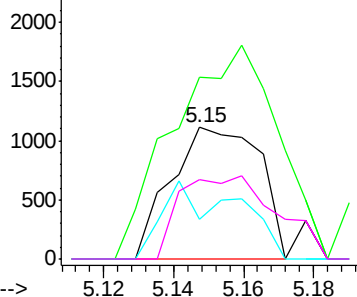


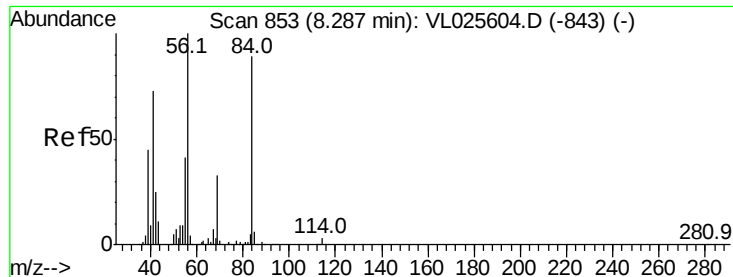
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

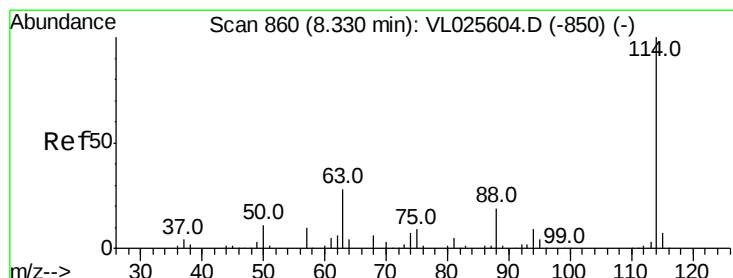
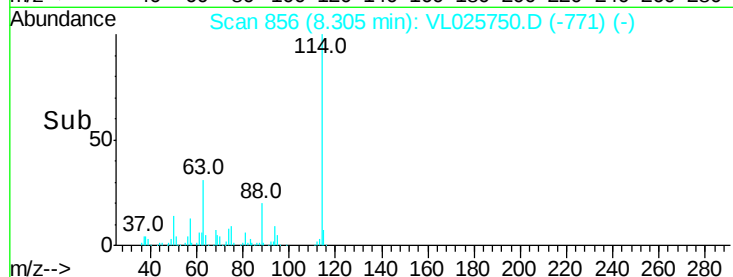
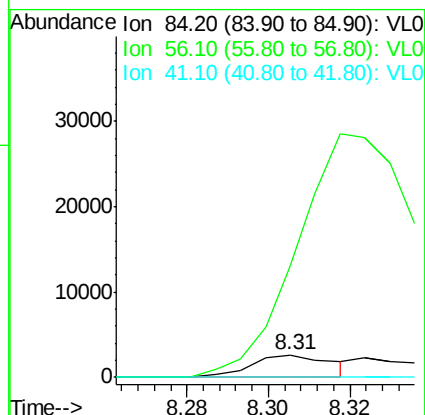
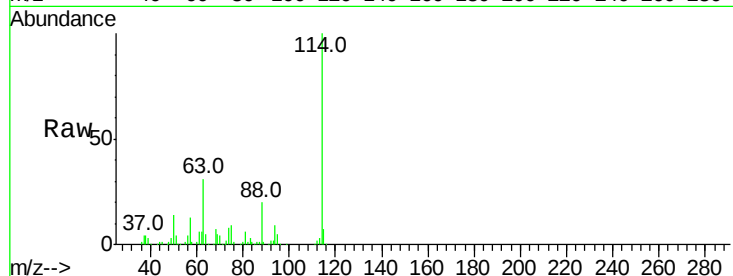




#30
Cyclohexane
Concen: 0.04 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025750.D
Acq: 27 Jul 2015 12:46

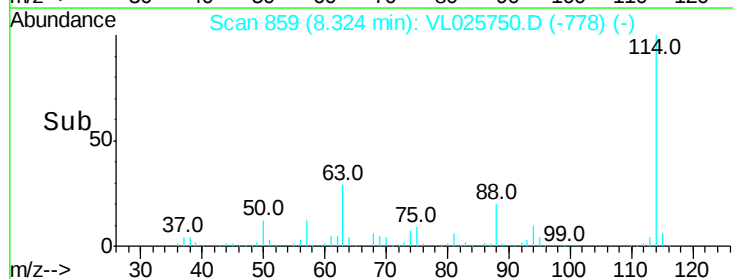
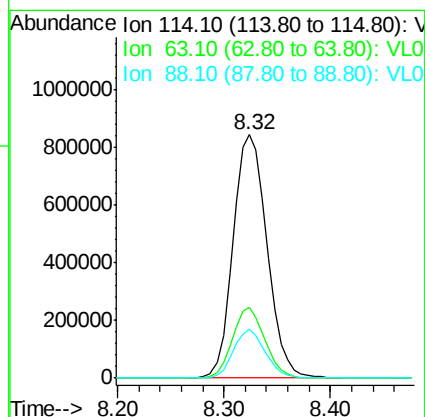
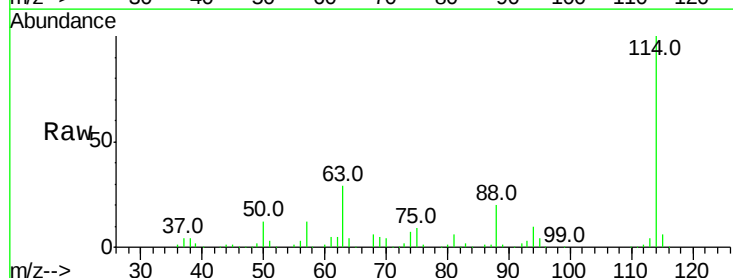
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABL01

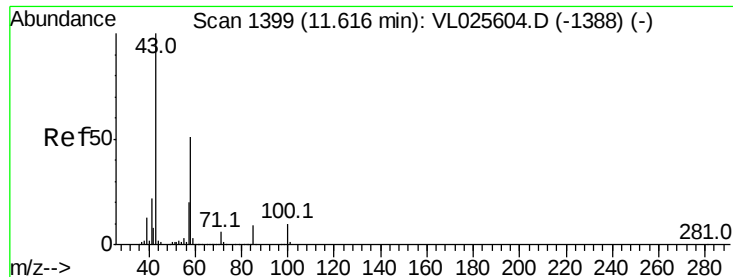
Tgt Ion: 84 Resp: 3685
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 0.0 65.4 98.2#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025750.D
Acq: 27 Jul 2015 12:46

Tgt Ion: 114 Resp: 1889588
Ion Ratio Lower Upper
114 100
63 27.9 22.4 33.6
88 18.9 15.0 22.4

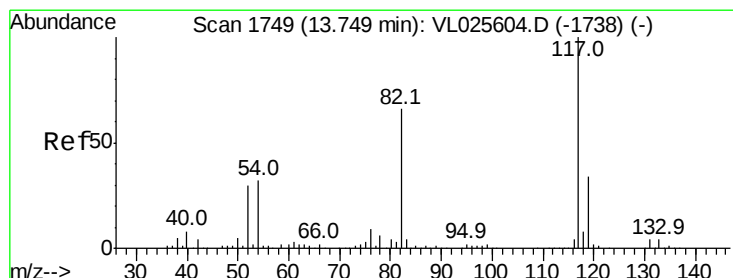
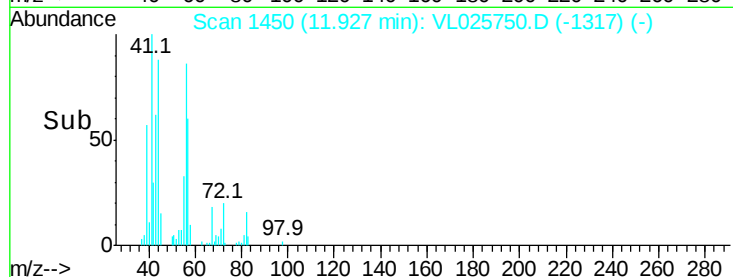
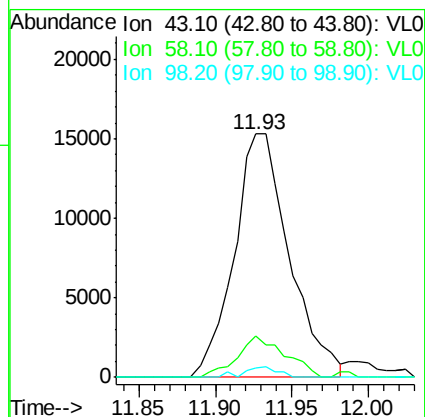
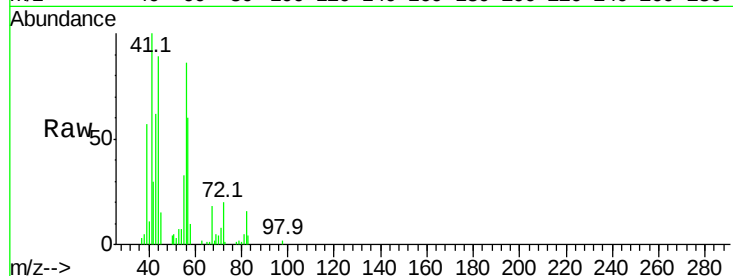




#51
2-Hexanone
Concen: 0.28 ppbv
RT: 11.93 min Scan# 1450
Delta R.T. 0.31 min
Lab File: VL025750.D
Acq: 27 Jul 2015 12:46

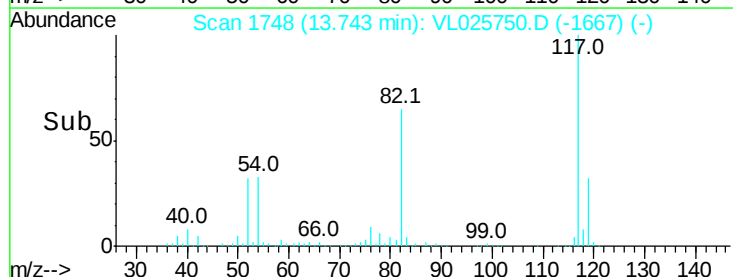
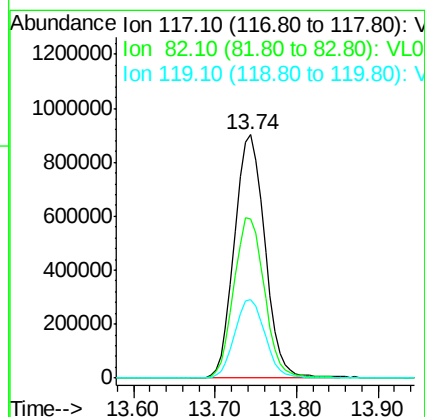
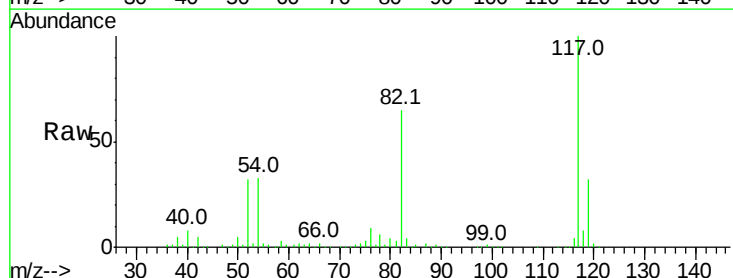
Instrument :
MSVOA_L
ClientSampleId :
VL0727ABL01

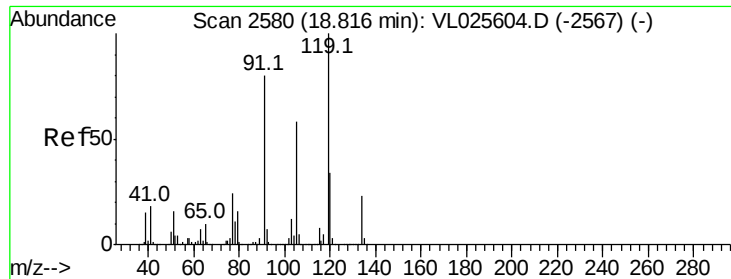
Tgt Ion: 43 Resp: 38323
Ion Ratio Lower Upper
43 100
58 0.0 39.0 58.6#
98 2.7 0.2 0.4#



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025750.D
Acq: 27 Jul 2015 12:46

Tgt Ion: 117 Resp: 2340399
Ion Ratio Lower Upper
117 100
82 66.7 50.5 75.7
119 32.6 45.1 67.7#

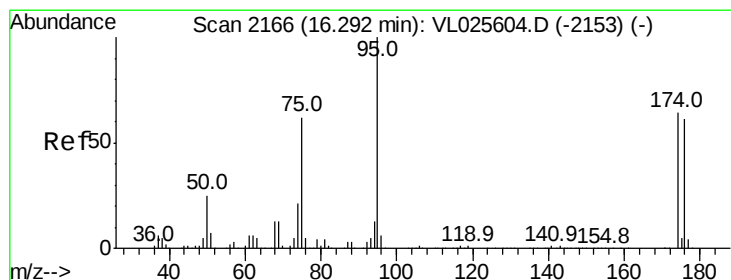
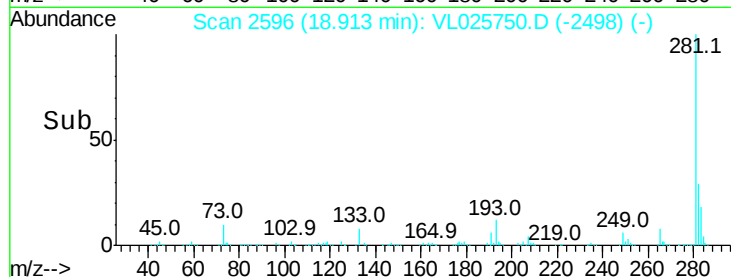
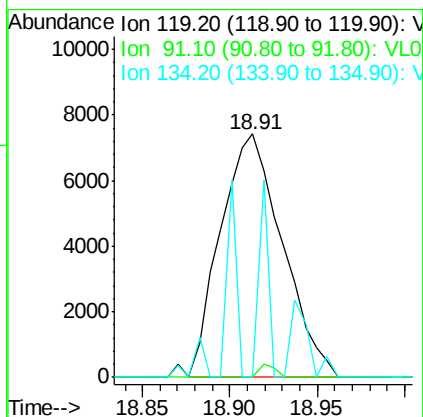
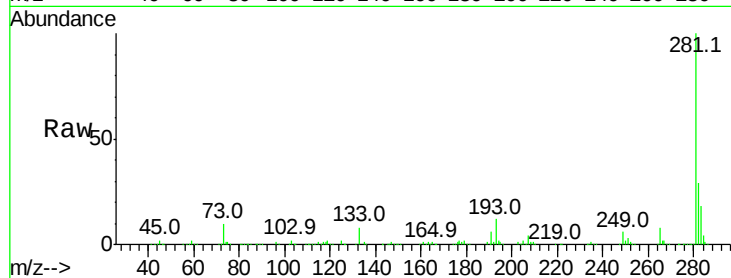




#65
 tert-Butylbenzene
 Concen: 0.04 ppbv
 RT: 18.91 min Scan# 2596
 Delta R.T. 0.10 min
 Lab File: VL025750.D
 Acq: 27 Jul 2015 12:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABL01

Tgt Ion: 119 Resp: 18275
 Ion Ratio Lower Upper
 119 100
 91 0.7 64.5 96.7#
 134 0.0 17.4 26.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.37 ppbv
 RT: 16.29 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: VL025750.D
 Acq: 27 Jul 2015 12:46

Tgt Ion: 95 Resp: 2047731
 Ion Ratio Lower Upper
 95 100
 174 63.0 52.0 78.0
 175 4.7 3.9 5.9

