

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026837.D
 Acq On : 10 Feb 2016 2:51
 Operator : SY/AP
 Sample : CAN 10492
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10492

Quant Time: Feb 10 03:46:22 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1492626	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4114029	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	3890540	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2749898	9.85	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

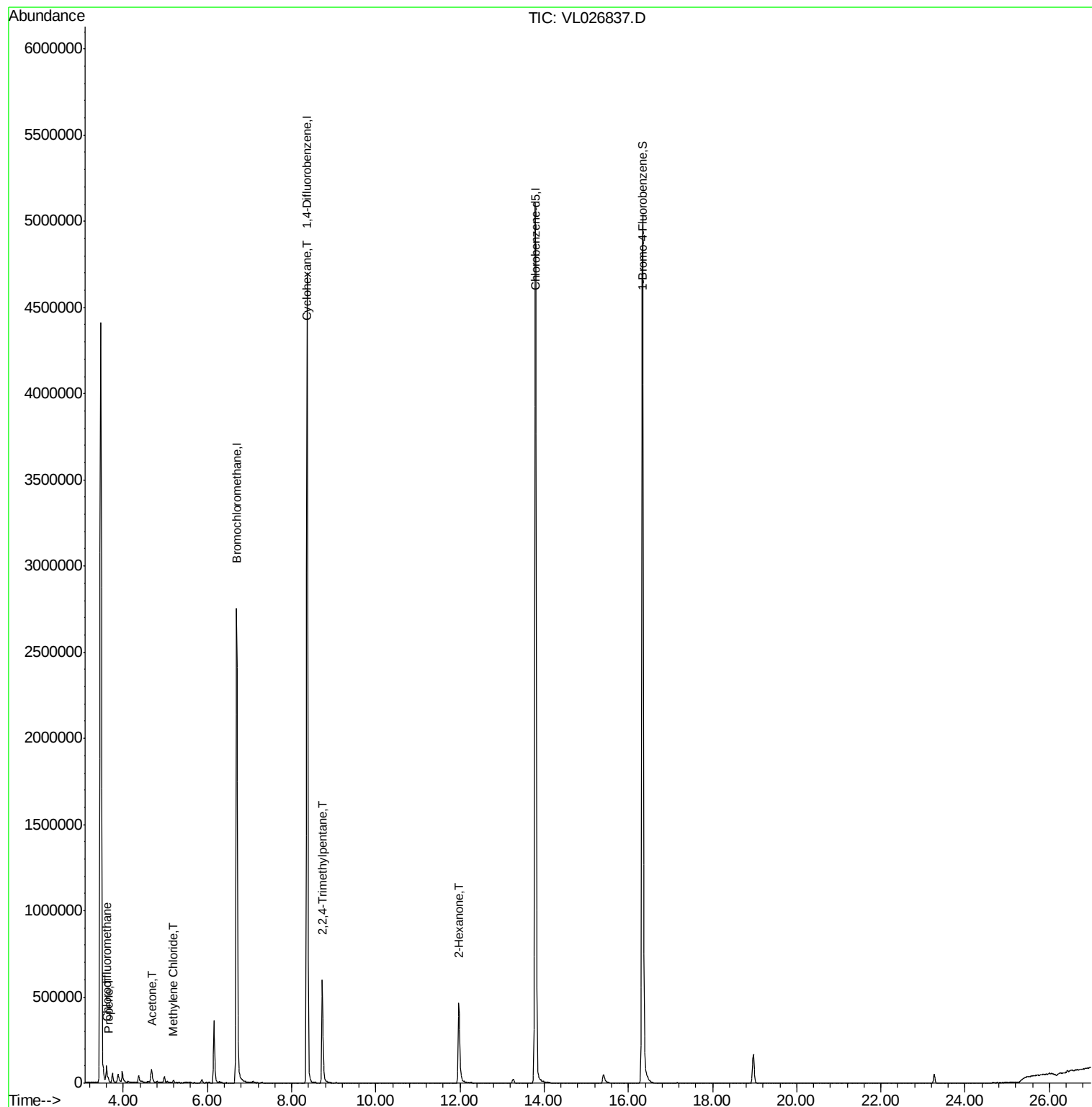
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.60	51	55525	0.23	ppbv	98
9) Propene	3.64	41	3960	0.06	ppbv #	80
15) Acetone	4.68	43	52005	0.25	ppbv #	1
20) Methylene Chloride	5.19	84	6425	0.06	ppbv	86
30) Cyclohexane	8.35	84	5984	0.04	ppbv #	1
44) 2,2,4-Trimethylpentane	8.73	57	124381	0.22	ppbv #	1
51) 2-Hexanone	11.97	43	111984	0.56	ppbv #	27

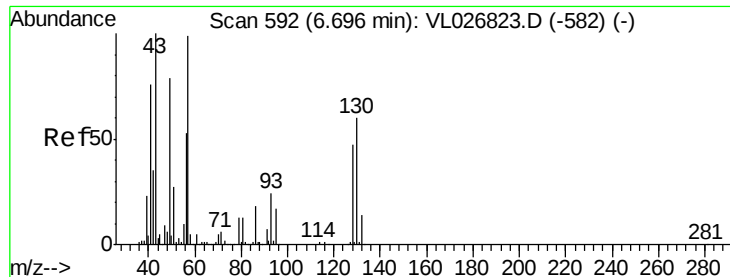
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. -0.00 min

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CAN 10492

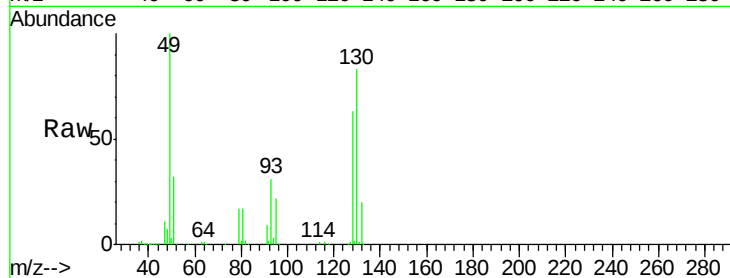
Tgt Ion: 49 Resp: 1492626

Ion Ratio Lower Upper

49 100

128 62.4 29.7 89.1

130 0.0 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

6.70

800000

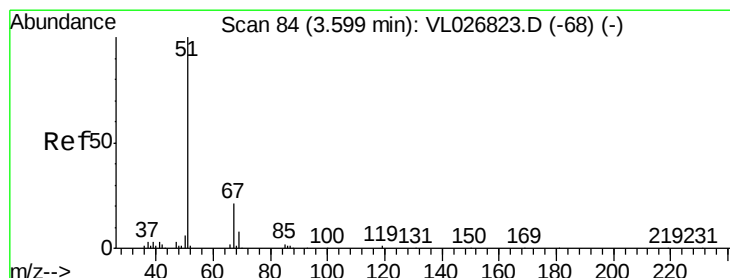
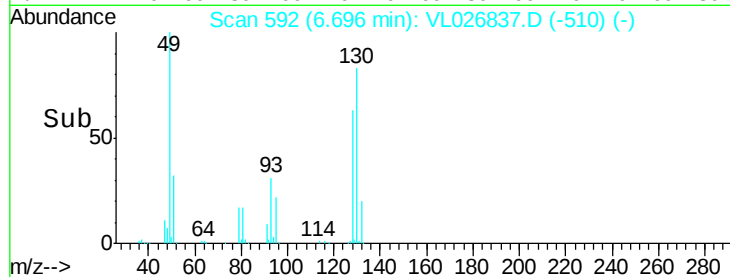
600000

400000

200000

0

Time-->



#3

Chlorodifluoromethane

Concen: 0.23 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026837.D

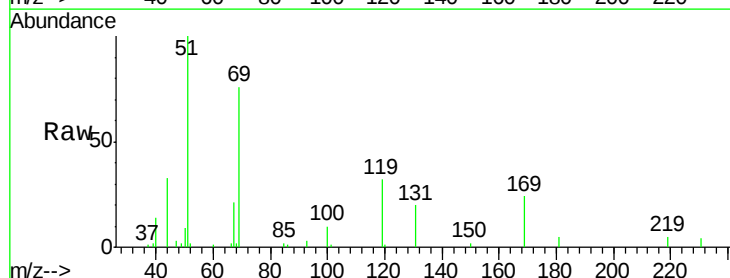
Acq: 10 Feb 2016 2:51

Tgt Ion: 51 Resp: 55525

Ion Ratio Lower Upper

51 100

67 19.7 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.60

30000

25000

20000

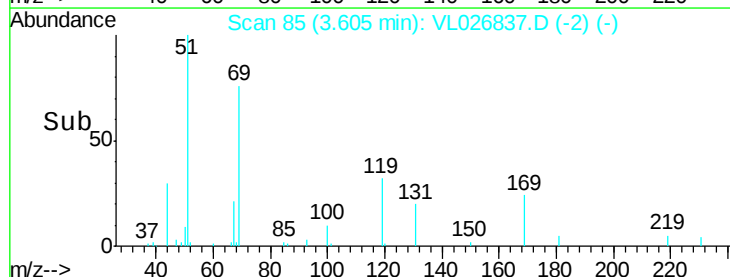
15000

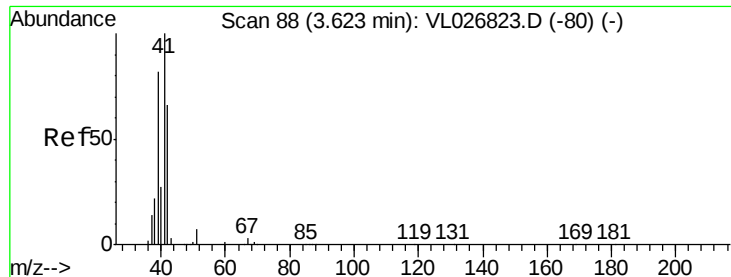
10000

5000

0

Time-->





#9

Propene

Concen: 0.06 ppbv

RT: 3.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VL026837.D

Acq: 10 Feb 2016 2:51

Instrument :

MSVOA_L

ClientSampleId :

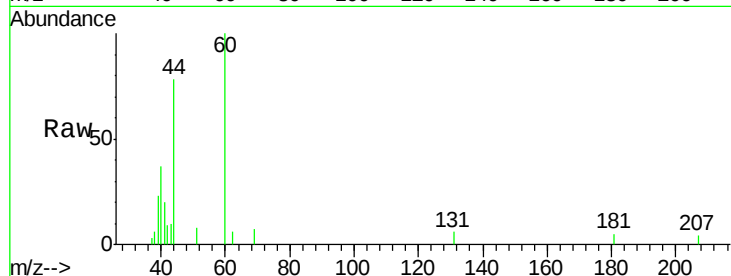
CAN 10492

Tgt Ion: 41 Resp: 3960

Ion Ratio Lower Upper

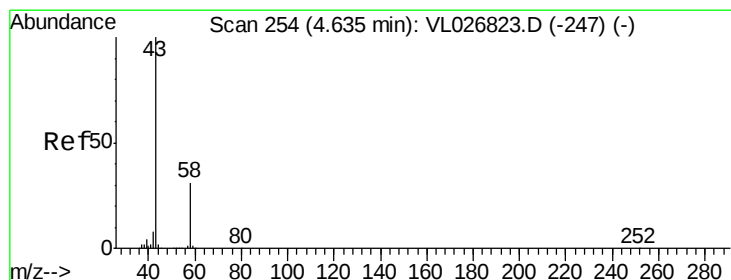
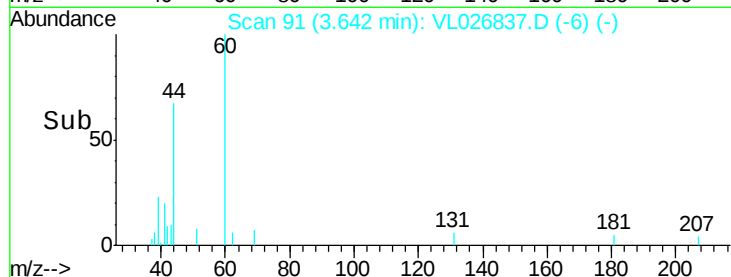
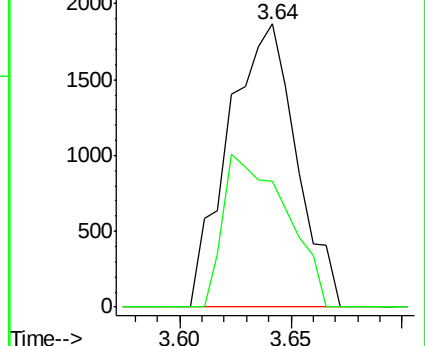
41 100

42 50.0 52.8 79.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#15

Acetone

Concen: 0.25 ppbv

RT: 4.68 min Scan# 262

Delta R.T. 0.05 min

Lab File: VL026837.D

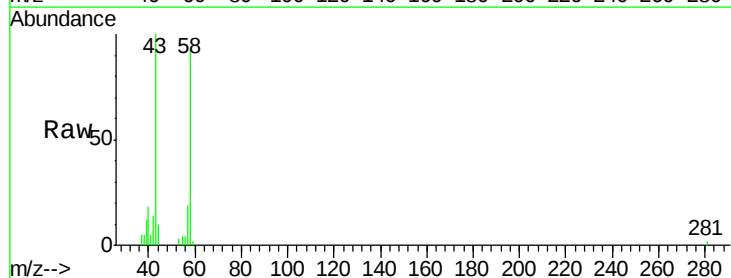
Acq: 10 Feb 2016 2:51

Tgt Ion: 43 Resp: 52005

Ion Ratio Lower Upper

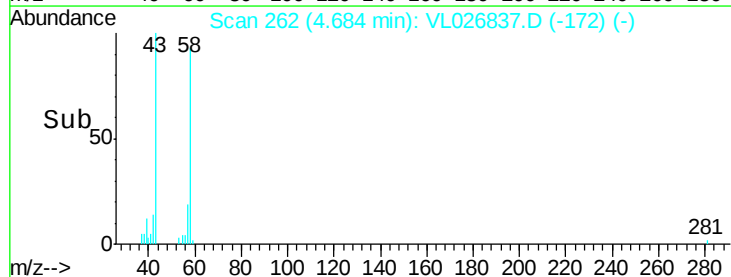
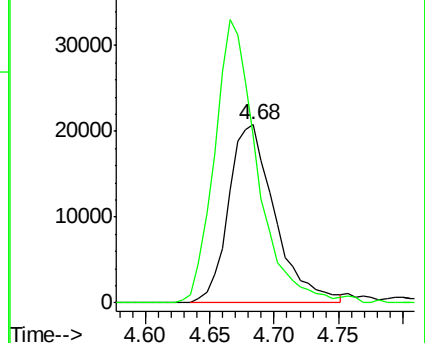
43 100

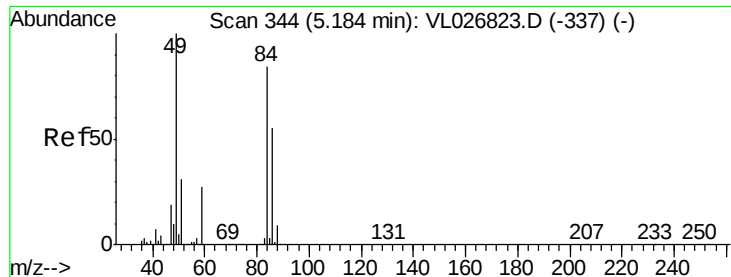
58 147.7 25.2 37.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

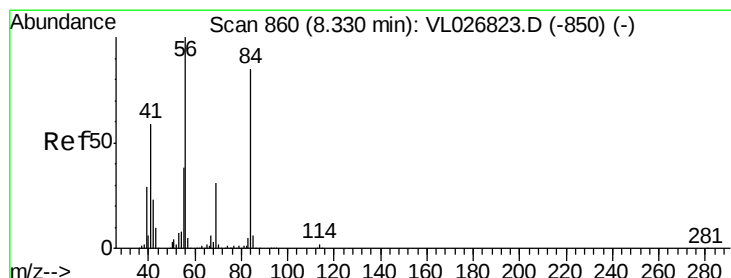
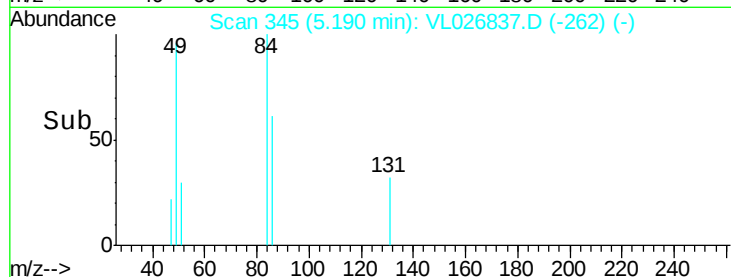
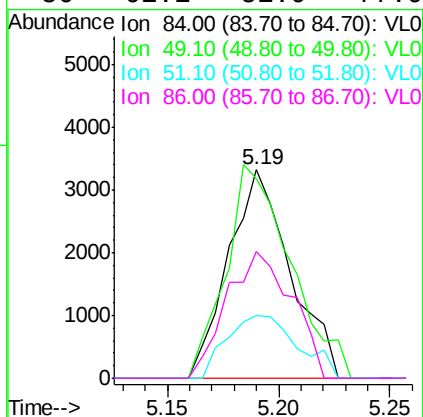
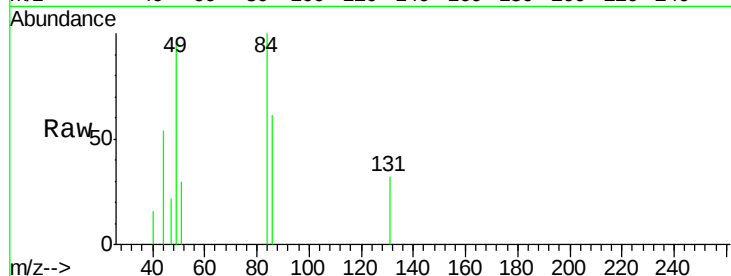




#20
Methylene Chloride
Concen: 0.06 ppbv
RT: 5.19 min Scan# 345
Delta R.T. 0.01 min
Lab File: VL026837.D
Acq: 10 Feb 2016 2:51

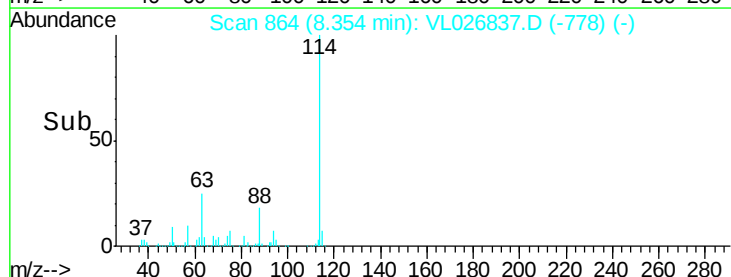
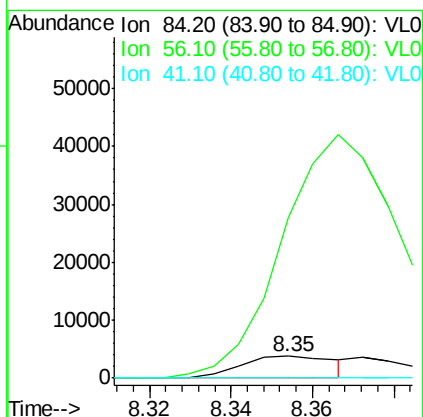
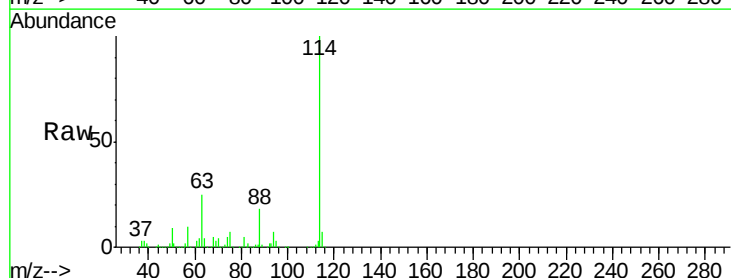
Instrument :
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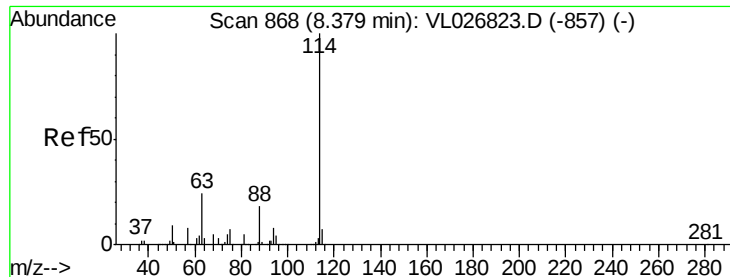
Tgt Ion:	84	Resp:	6425
Ion	Ratio	Lower	Upper
84	100		
49	96.0	94.9	142.3
51	30.3	29.5	44.3
86	61.1	51.9	77.9



#30
Cyclohexane
Concen: 0.04 ppbv
RT: 8.35 min Scan# 864
Delta R.T. 0.02 min
Lab File: VL026837.D
Acq: 10 Feb 2016 2:51

Tgt Ion:	84	Resp:	5984
Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.4	149.2#
41	0.0	56.7	85.1#

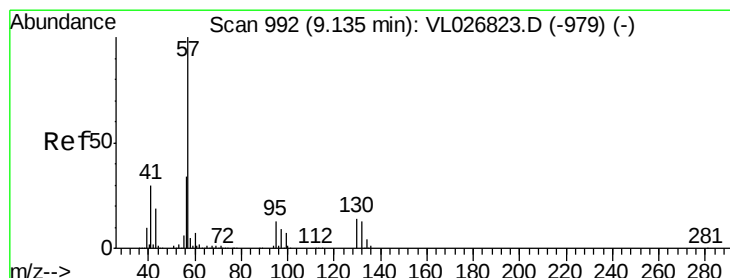
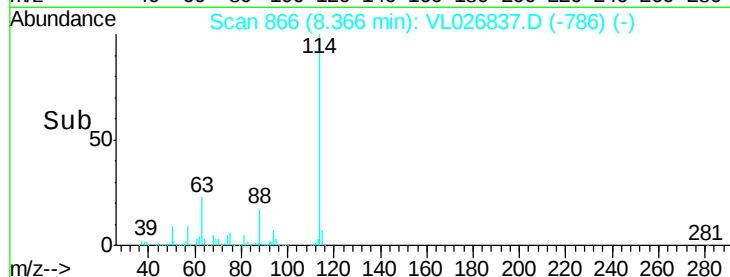
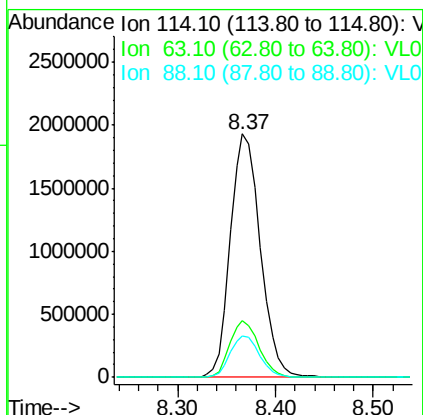
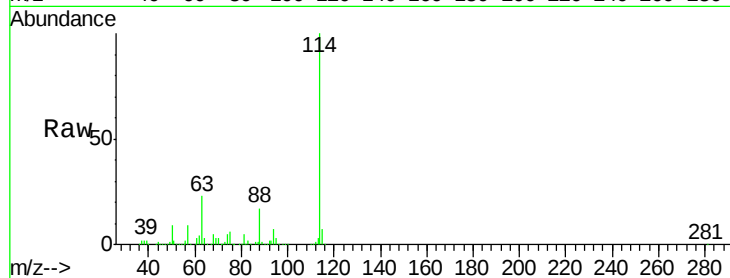




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026837.D
 Acq: 10 Feb 2016 2:51

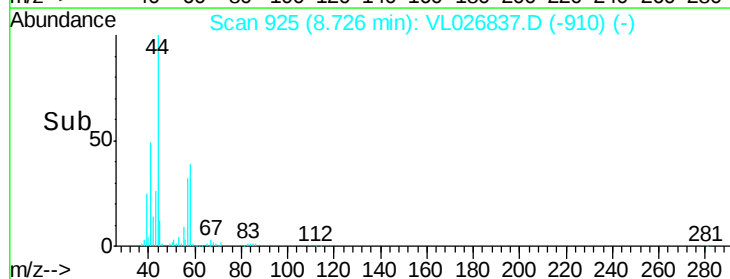
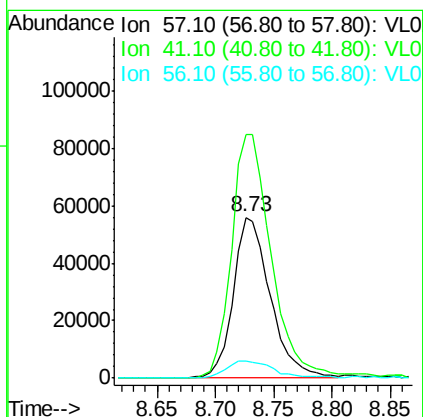
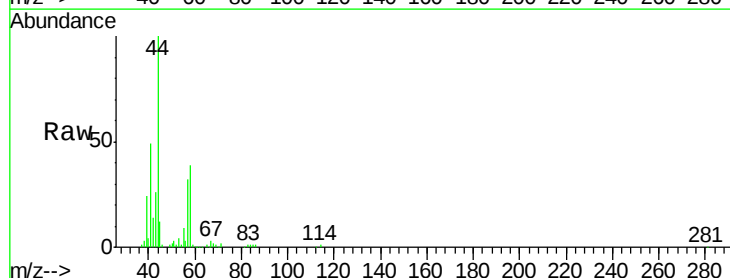
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10492

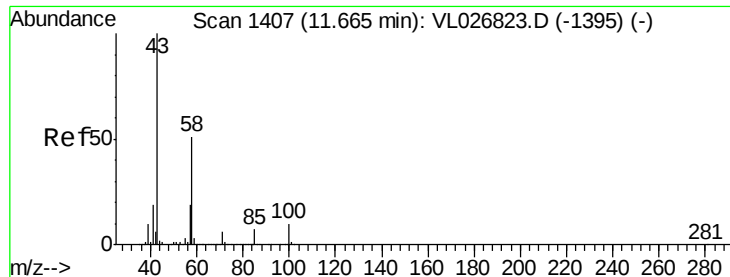
Tgt Ion: 114 Resp: 4114029
 Ion Ratio Lower Upper
 114 100
 63 22.9 19.7 29.5
 88 16.8 13.8 20.6



#44
 2,2,4-Trimethylpentane
 Concen: 0.22 ppbv
 RT: 8.73 min Scan# 925
 Delta R.T. -0.41 min
 Lab File: VL026837.D
 Acq: 10 Feb 2016 2:51

Tgt Ion: 57 Resp: 124381
 Ion Ratio Lower Upper
 57 100
 41 165.8 23.2 34.8#
 56 14.5 26.2 39.4#





#51

2-Hexanone

Concen: 0.56 ppbv

RT: 11.97 min Scan# 1457

Delta R.T. 0.30 min

Lab File: VL026837.D

Acq: 10 Feb 2016 2:51

Instrument :

MSVOA_L

ClientSampleId :

CAN 10492

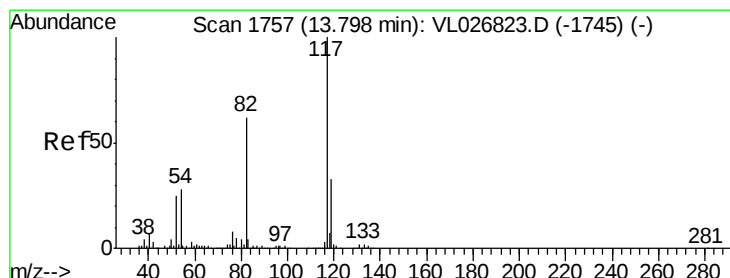
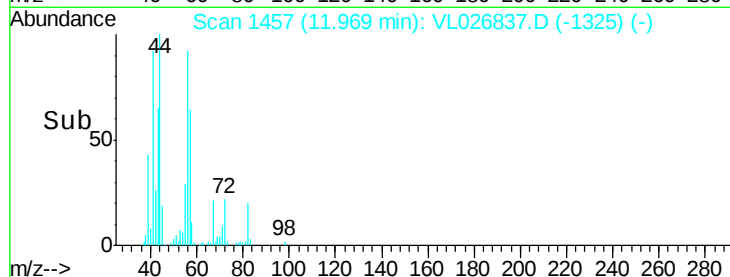
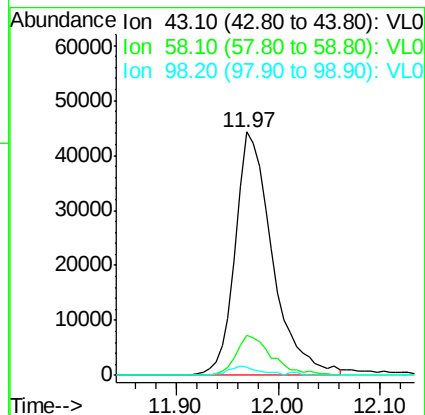
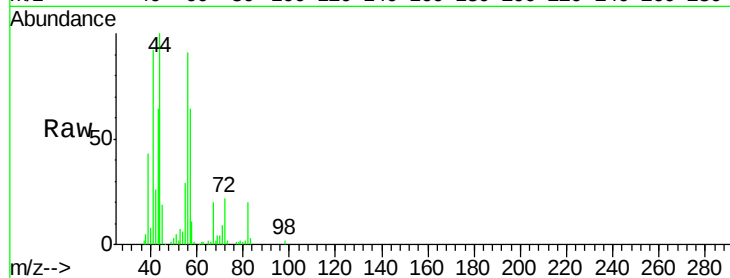
Tgt Ion: 43 Resp: 111984

Ion Ratio Lower Upper

43 100

58 0.0 40.4 60.6#

98 3.5 0.2 0.4#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VL026837.D

Acq: 10 Feb 2016 2:51

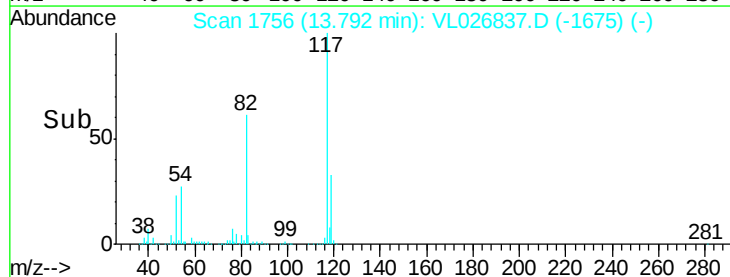
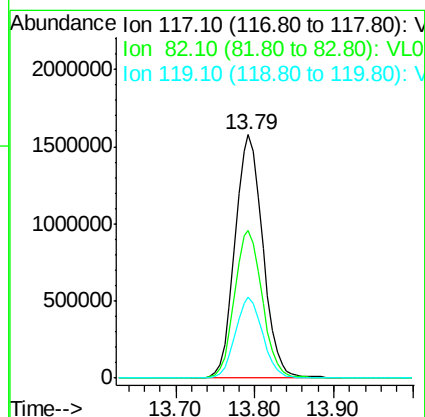
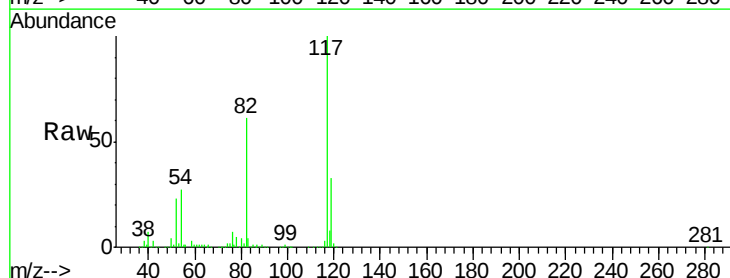
Tgt Ion: 117 Resp: 3890540

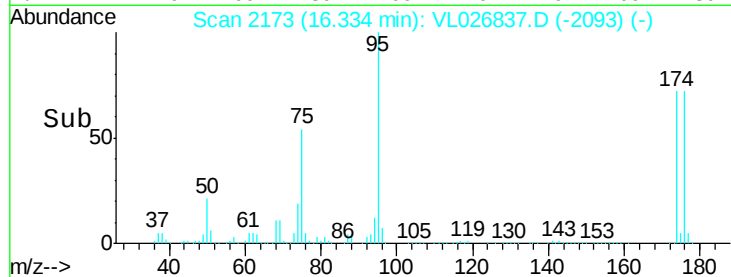
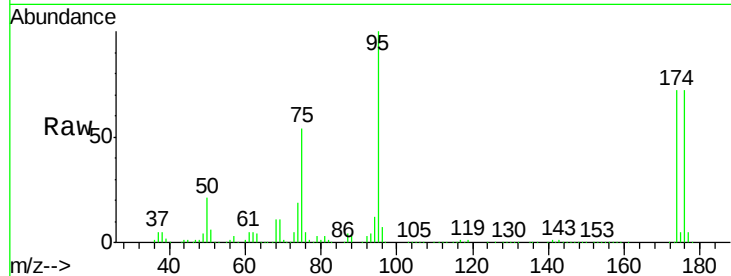
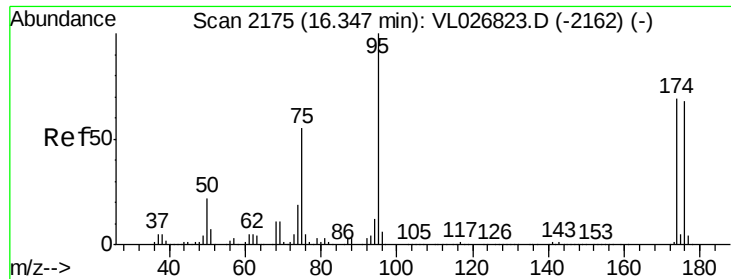
Ion Ratio Lower Upper

117 100

82 0.0 51.9 77.9#

119 32.8 48.5 72.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.85 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026837.D

Acq: 10 Feb 2016 2:51

Instrument :

MSVOA_L

ClientSampleId :

CAN 10492

Tgt Ion: 95 Resp: 2749898

Ion Ratio Lower Upper

95 100

174 73.3 55.6 83.4

175 5.2 3.9 5.9

