

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026846.D
 Acq On : 10 Feb 2016 8:52
 Operator : SY/AP
 Sample : H1404-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Feb 11 02:42:53 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	1916780	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.36	114	5801895	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	5765403	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	4120209	9.95	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

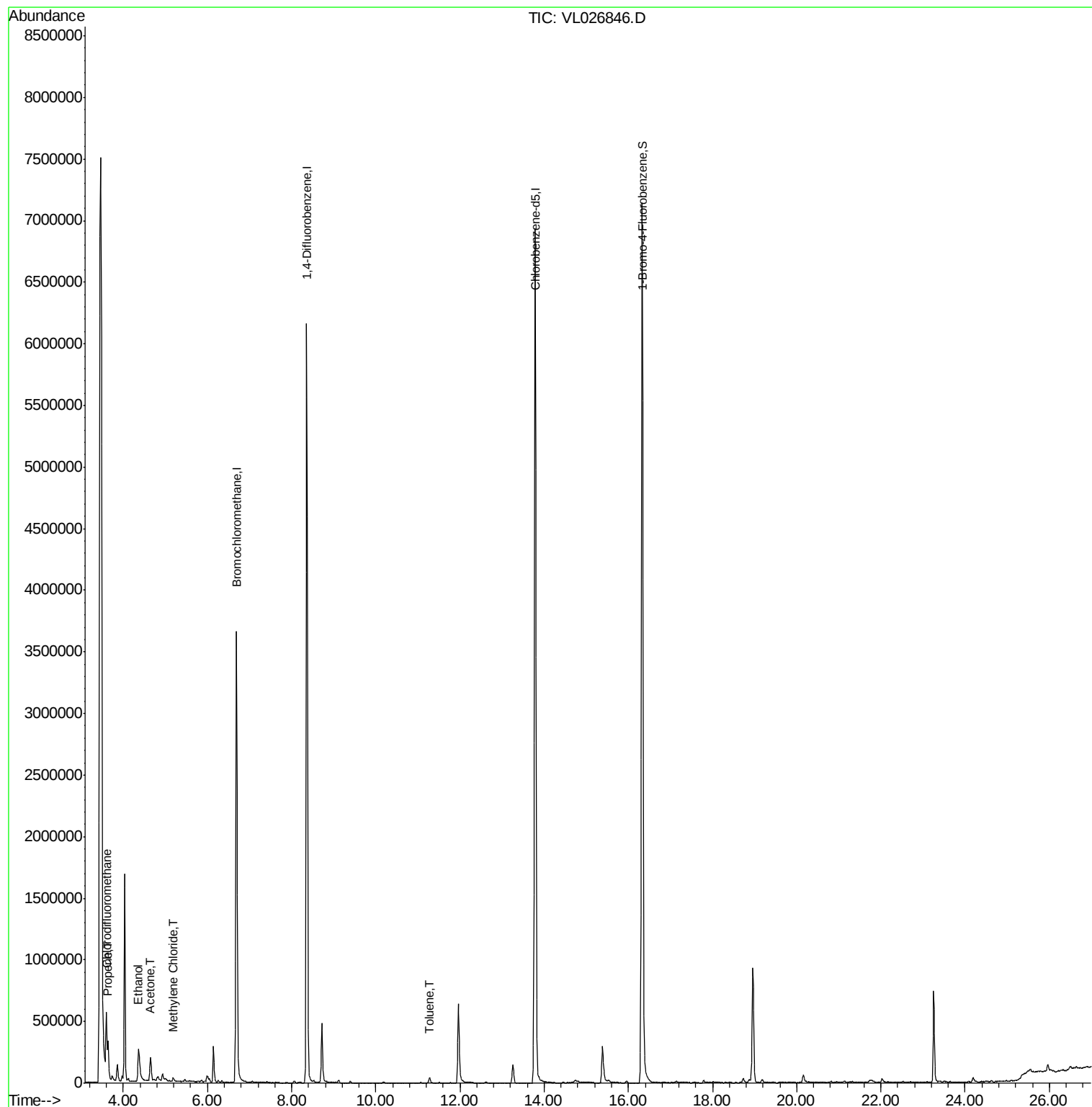
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.60	51	588611	1.89	ppbv	97
9) Propene	3.64	41	77351	0.92	ppbv #	69
13) Ethanol	4.36	45	479412	33.18	ppbv	98
15) Acetone	4.65	43	182684	0.69	ppbv #	59
20) Methylene Chloride	5.18	84	16320	0.12	ppbv	90
53) Toluene	11.27	91	43566	0.08	ppbv	99

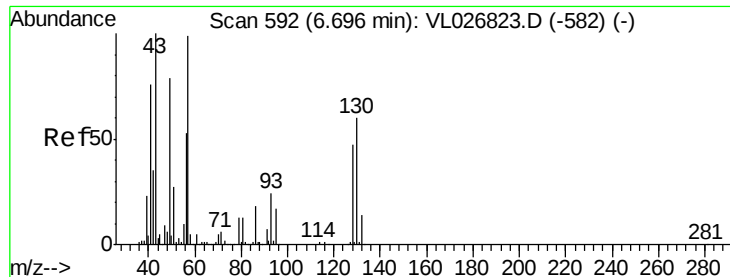
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL026846.D

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Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

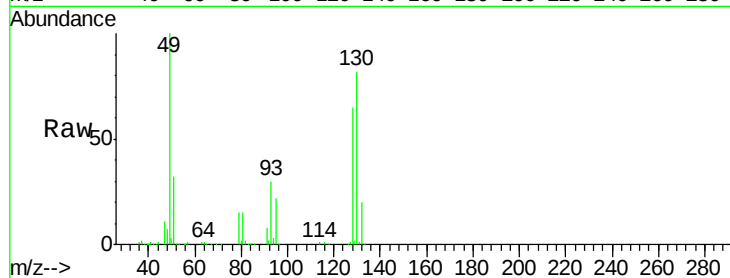
Tot Ion: 49 Resp: 1916780

Ion Ratio Lower Upper

49 100

128 66.7 29.7 89.1

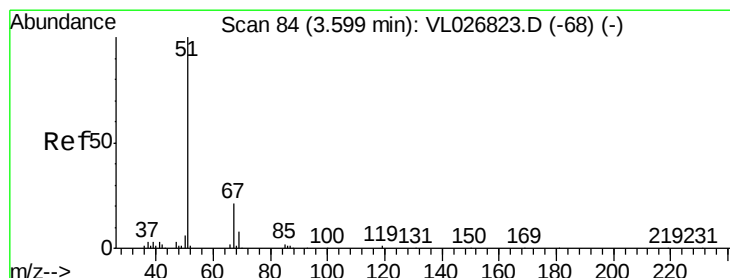
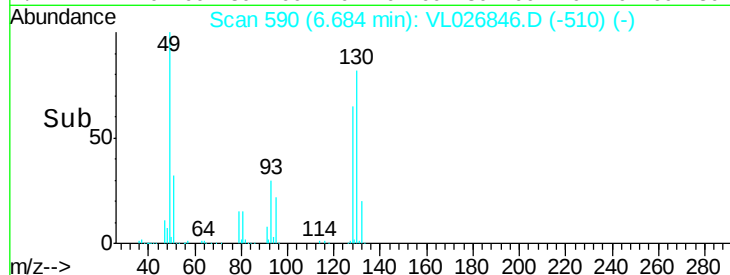
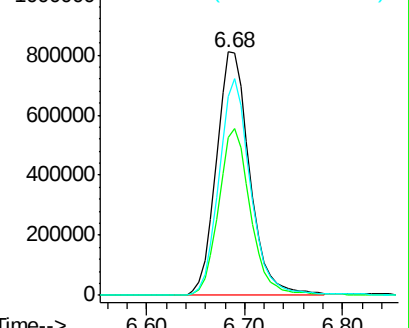
130 85.7 38.3 114.8



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: 1.89 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026846.D

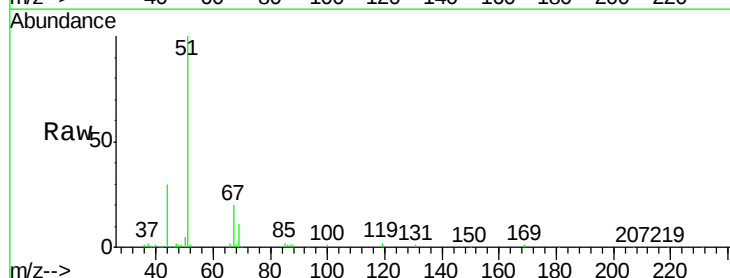
Acq: 10 Feb 2016 8:52

Tgt Ion: 51 Resp: 588611

Ion Ratio Lower Upper

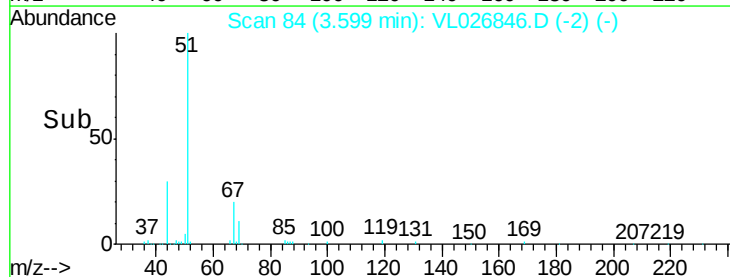
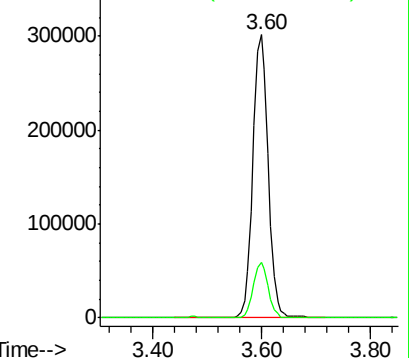
51 100

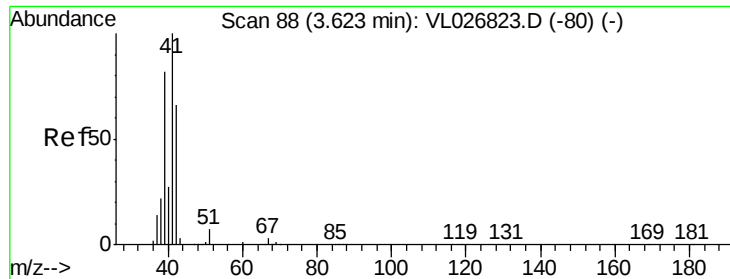
67 19.1 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.92 ppbv

RT: 3.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VL026846.D

Acq: 10 Feb 2016 8:52

Instrument :

MSVOA_L

ClientSampleId :

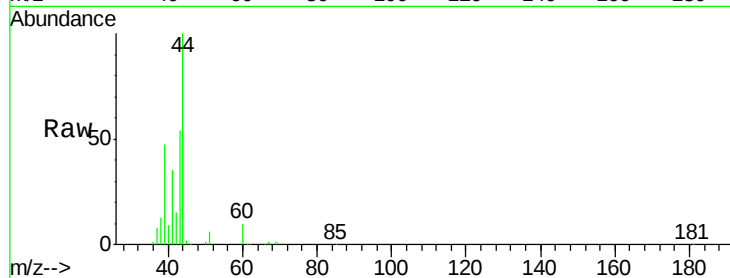
IA-2DL

Tot Ion: 41 Resp: 77351

Ion Ratio Lower Upper

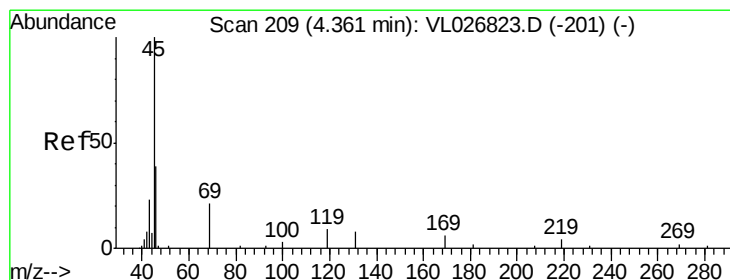
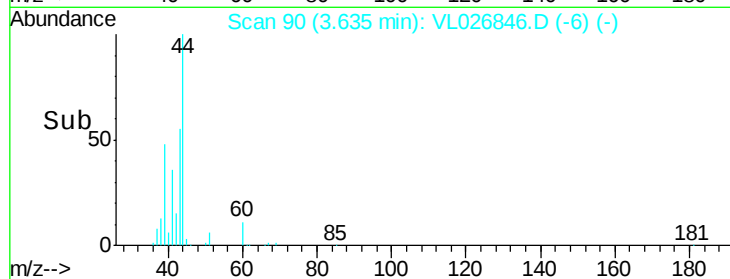
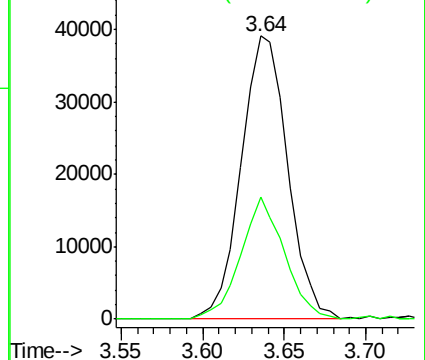
41 100

42 41.2 52.8 79.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 33.18 ppbv

RT: 4.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL026846.D

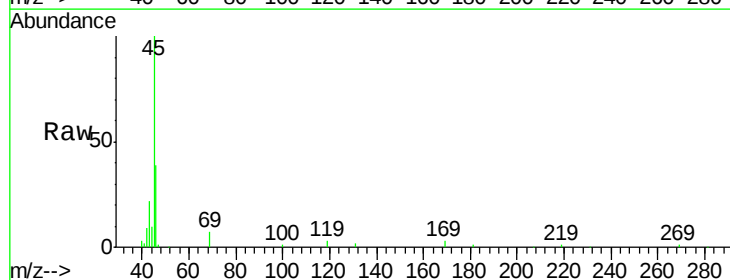
Acq: 10 Feb 2016 8:52

Tgt Ion: 45 Resp: 479412

Ion Ratio Lower Upper

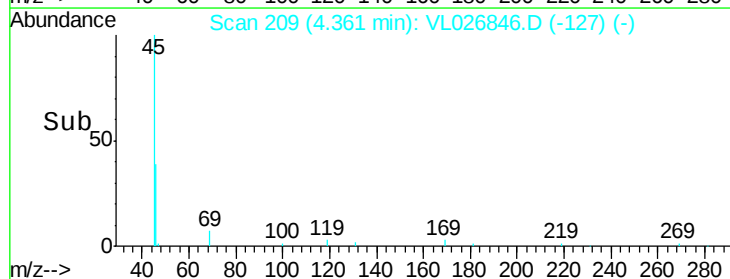
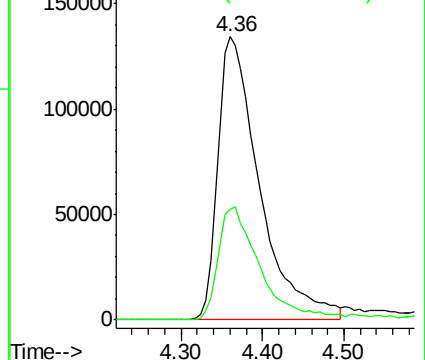
45 100

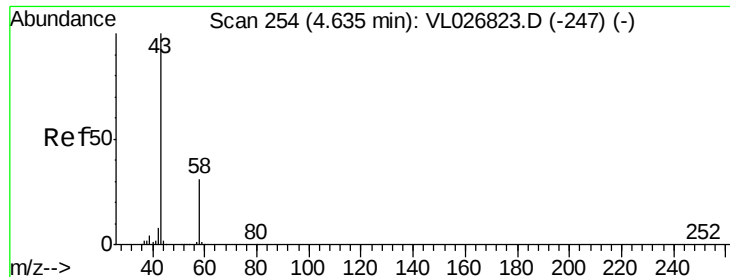
46 41.1 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.69 ppbv

RT: 4.65 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL026846.D

Acq: 10 Feb 2016 8:52

Instrument :

MSVOA_L

ClientSampleId :

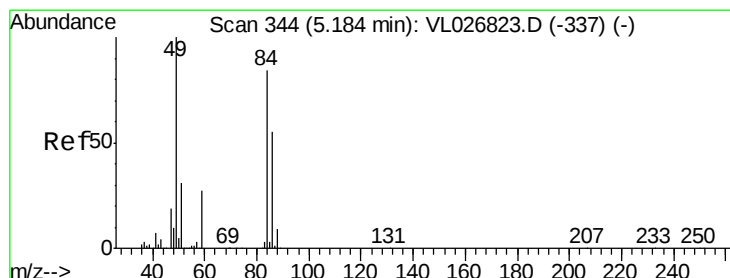
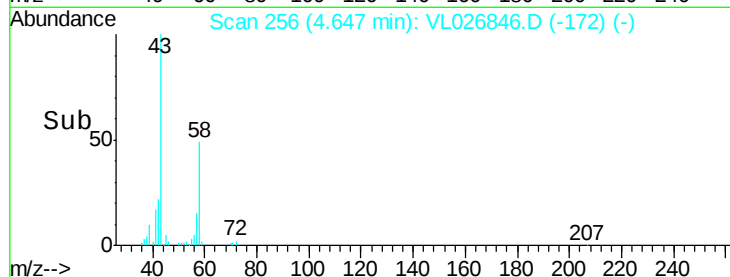
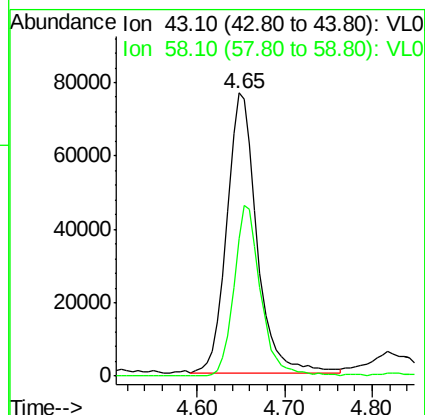
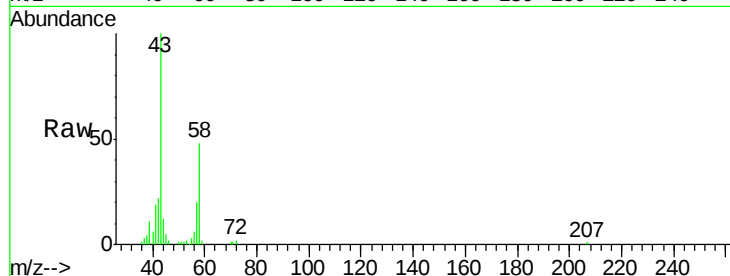
IA-2DL

Tot Ion: 43 Resp: 182684

Ion Ratio Lower Upper

43 100

58 54.1 25.2 37.8#



#20

Methylene Chloride

Concen: 0.12 ppbv

RT: 5.18 min Scan# 344

Delta R.T. -0.00 min

Lab File: VL026846.D

Acq: 10 Feb 2016 8:52

Tgt Ion: 84 Resp: 16320

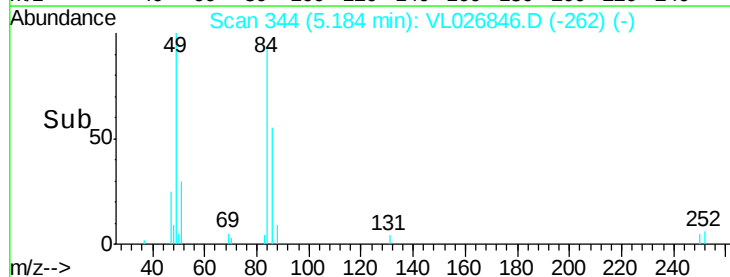
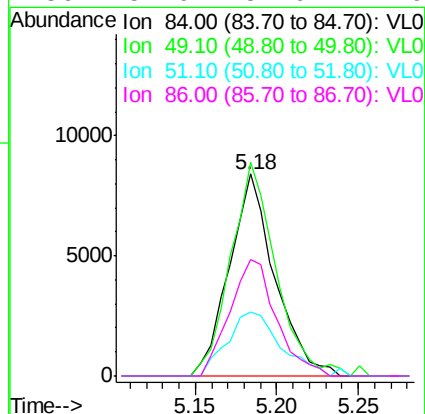
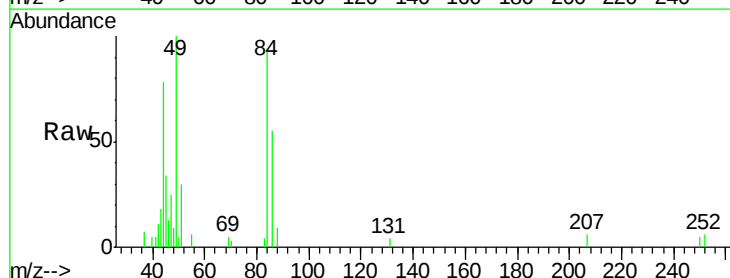
Ion Ratio Lower Upper

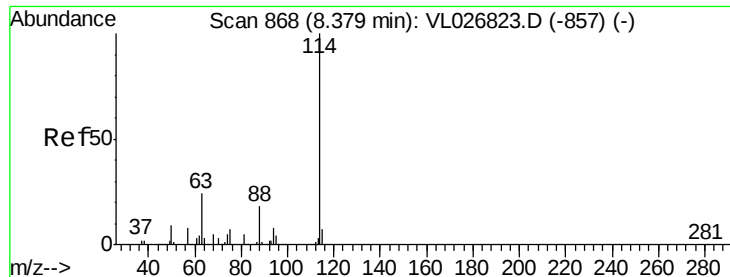
84 100

49 105.9 94.9 142.3

51 31.9 29.5 44.3

86 57.9 51.9 77.9





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.36 min Scan# 865

Delta R.T. -0.02 min

Lab File: VL026846.D

Acq: 10 Feb 2016 8:52

Instrument :

MSVOA_L

ClientSampleId :

IA-2DL

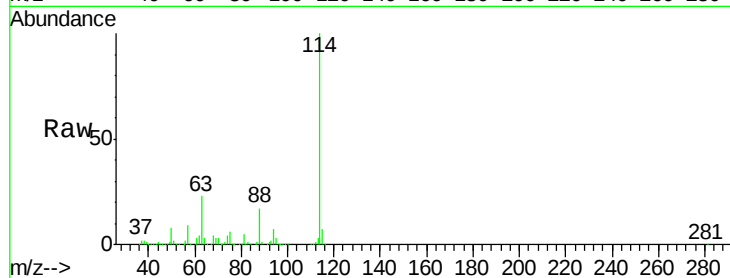
Tot Ion:114 Resp: 5801895

Ion Ratio Lower Upper

114 100

63 21.9 19.7 29.5

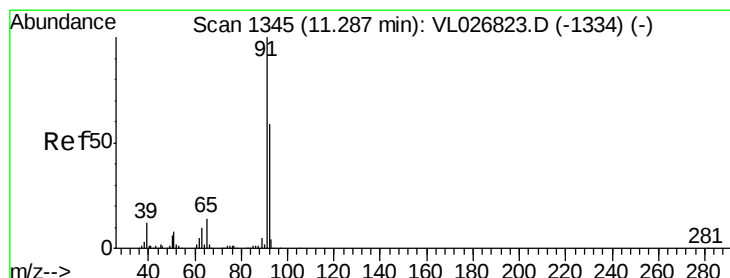
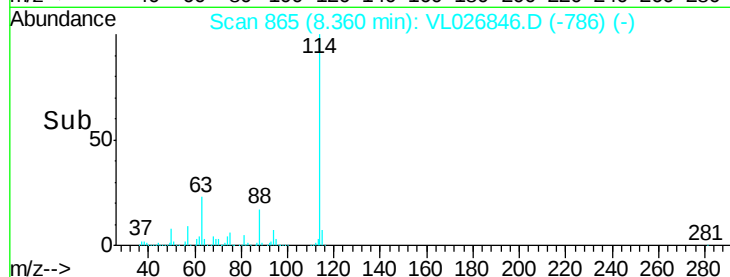
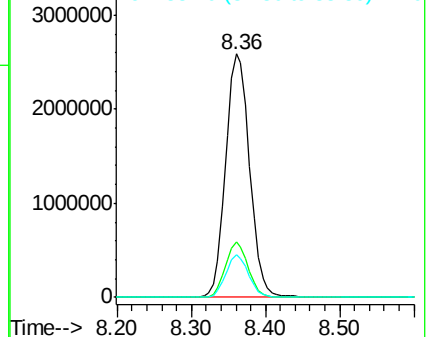
88 16.6 13.8 20.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.08 ppbv

RT: 11.27 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL026846.D

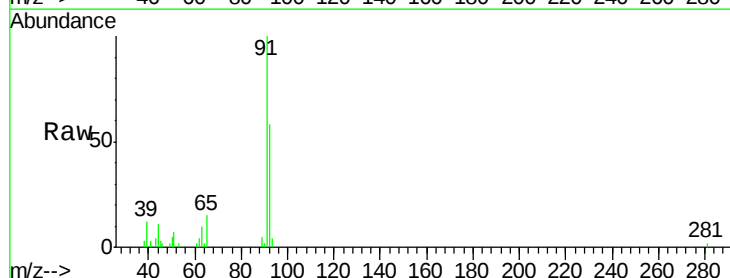
Acq: 10 Feb 2016 8:52

Tgt Ion: 91 Resp: 43566

Ion Ratio Lower Upper

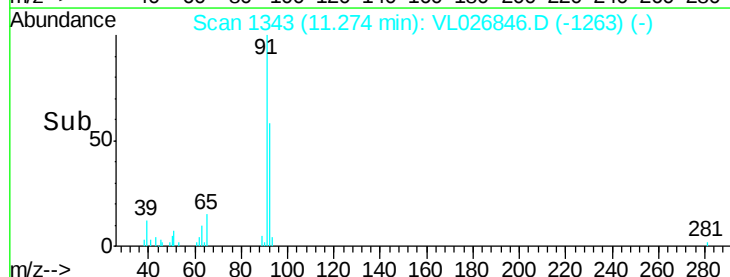
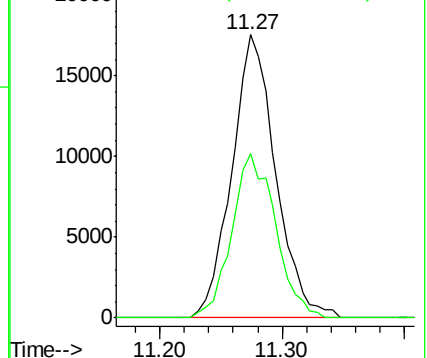
91 100

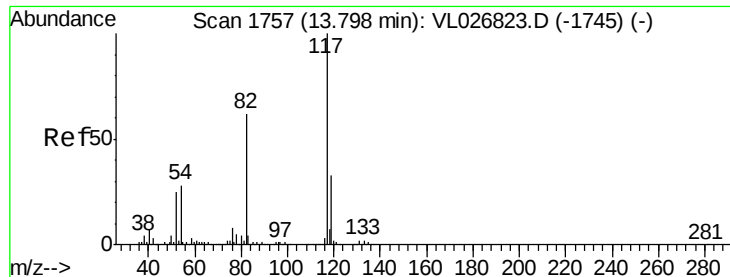
92 58.0 47.3 70.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

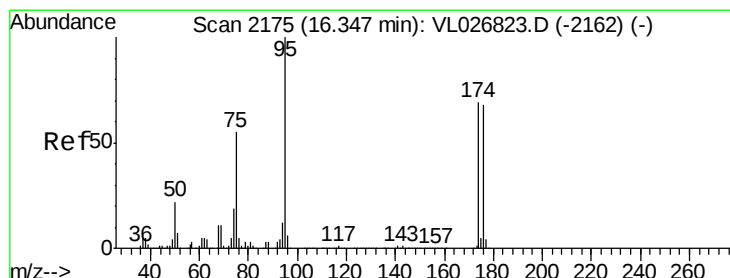
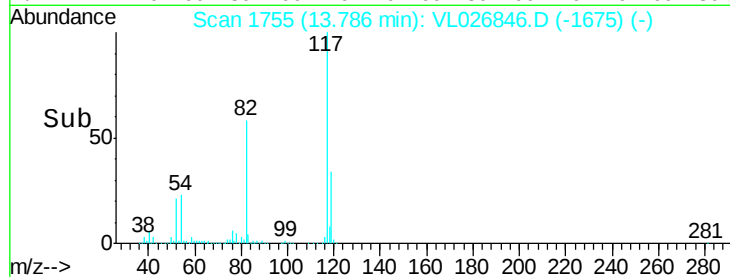
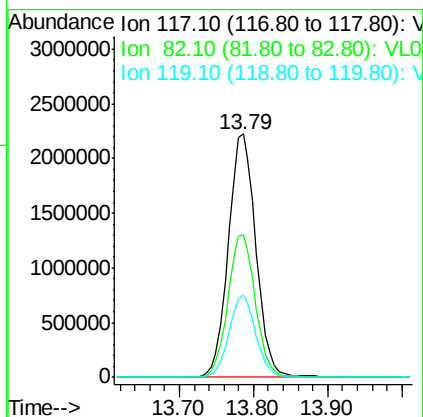
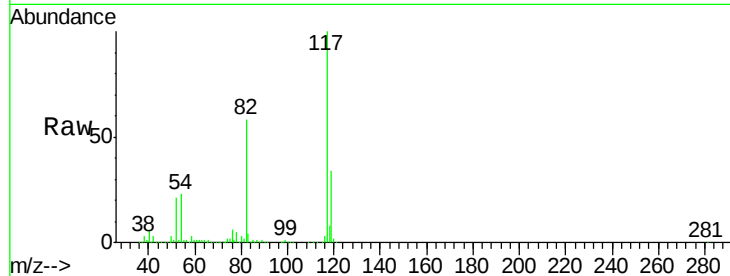




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026846.D
Acq: 10 Feb 2016 8:52

Instrument :
MSVOA_L
ClientSampleID :
IA-2DL

Tot Ion:117 Resp: 5765403
Ion Ratio Lower Upper
117 100
82 59.0 51.9 77.9
119 33.1 48.5 72.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.95 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. -0.02 min
Lab File: VL026846.D
Acq: 10 Feb 2016 8:52

Tgt Ion: 95 Resp: 4120209
Ion Ratio Lower Upper
95 100
174 76.3 55.6 83.4
175 5.4 3.9 5.9

