

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026842.D
 Acq On : 10 Feb 2016 6:12
 Operator : SY/AP
 Sample : H1388-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2DL

Manual Integrations
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 2/11/2016 1:24:20 PM

Quant Time: Feb 10 08:59:43 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	6.69	49	1707620	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4867118	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	4629808	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	3230525	9.72	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.60	51	392754m	1.42	ppbv	
9) Propene	3.64	41	19060	0.25	ppbv	85
13) Ethanol	4.35	45	747570	58.08	ppbv	99
15) Acetone	4.63	43	3748109	15.98	ppbv	100
19) Isopropyl Alcohol	4.80	45	352082	4.21	ppbv #	92
25) Ethyl Acetate	6.73	43	54935	0.16	ppbv #	95
53) Toluene	11.29	91	82474	0.19	ppbv	97

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

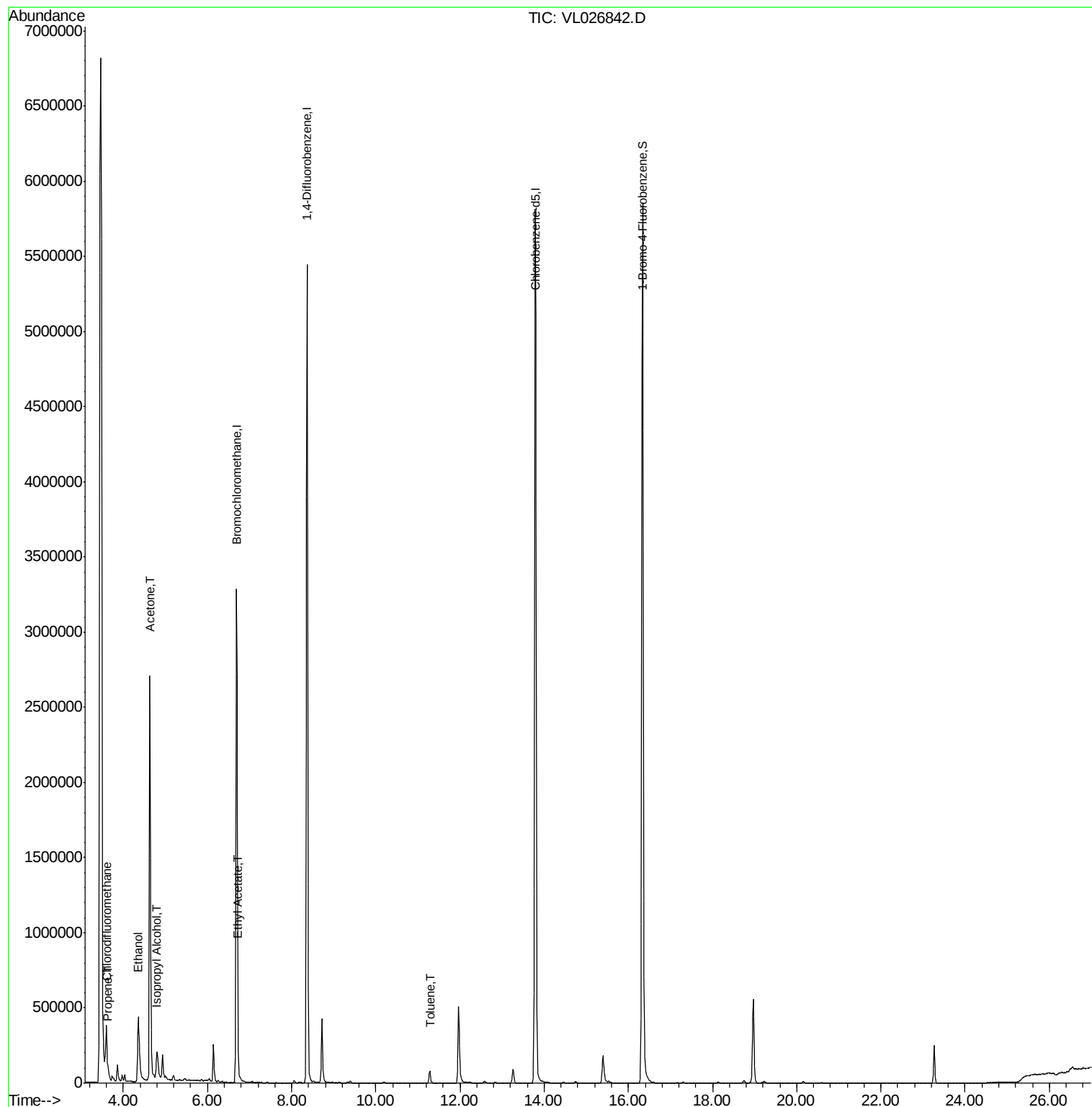
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
Data File : VL026842.D
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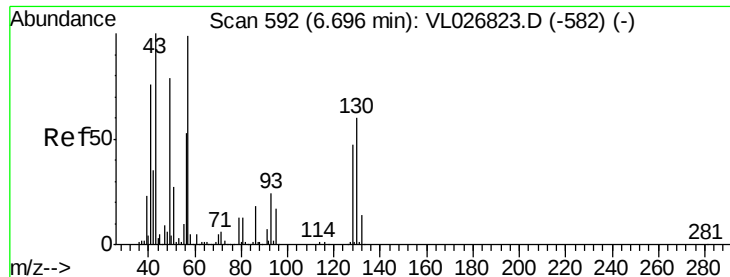
Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

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Quant Time: Feb 10 08:59:43 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 03:14:04 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

Tot Ion: 49 Resp: 1707620

Ion Ratio Lower Upper

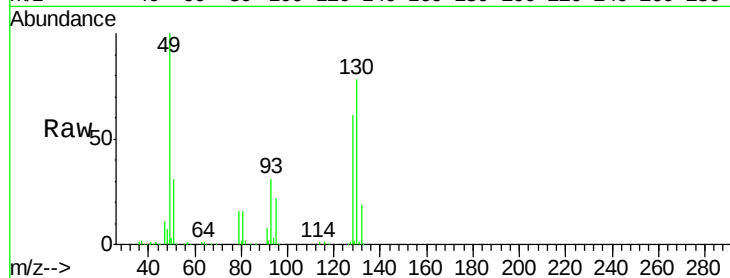
49 100

128 63.0 29.7 89.1

130 0.0 38.3 114.8#

Manual Integrations
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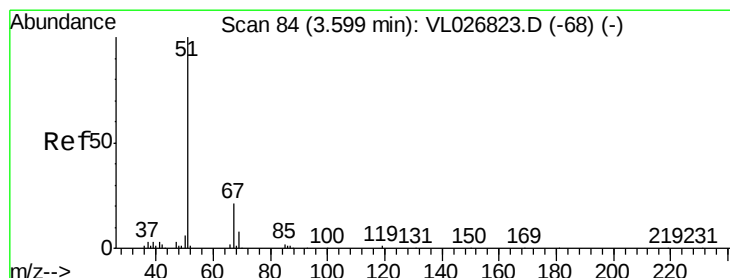
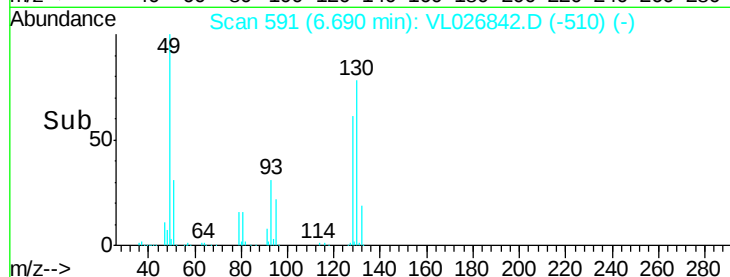
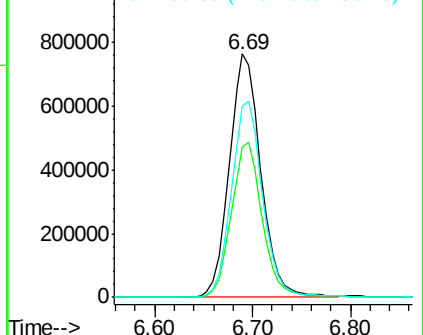
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 1.42 ppbv m

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026842.D

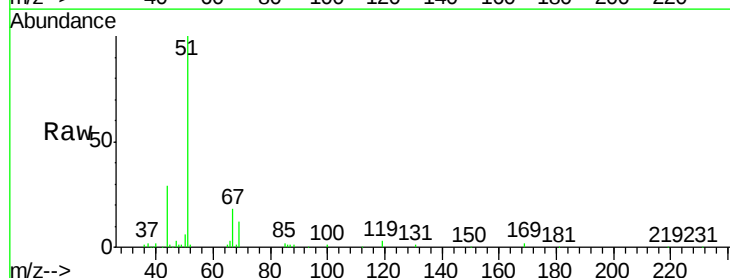
Acq: 10 Feb 2016 6:12

Tgt Ion: 51 Resp: 392754

Ion Ratio Lower Upper

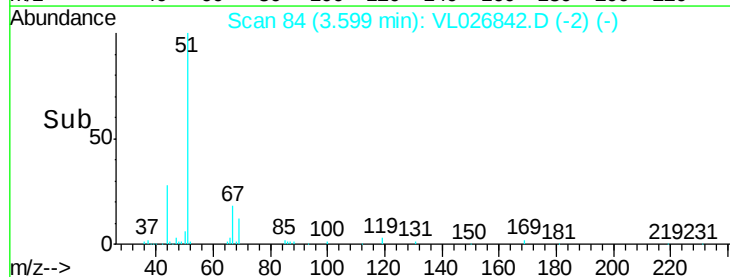
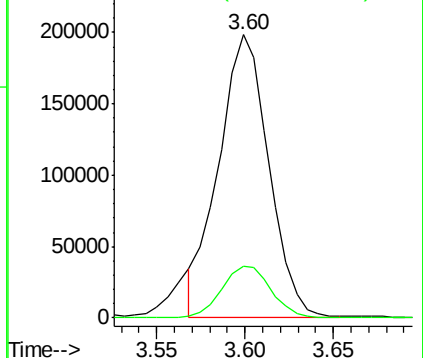
51 100

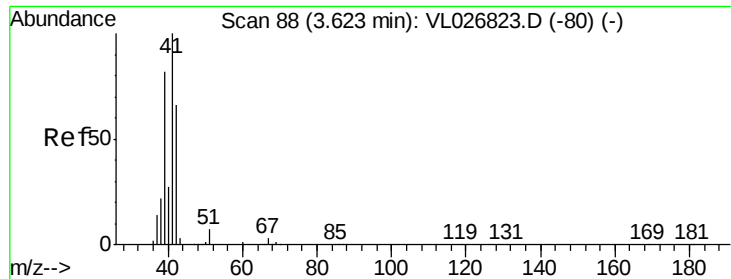
67 18.2 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





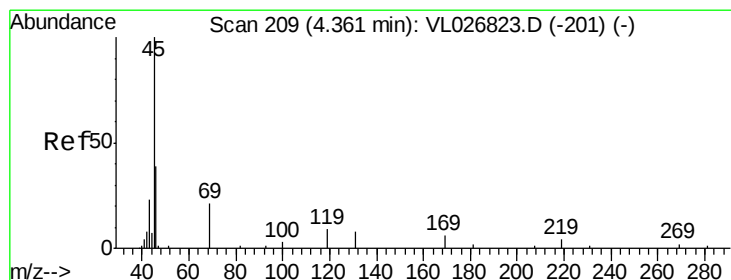
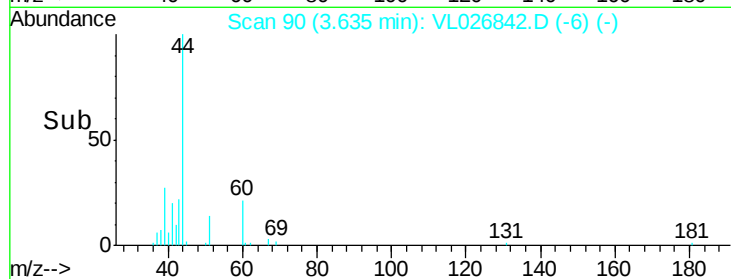
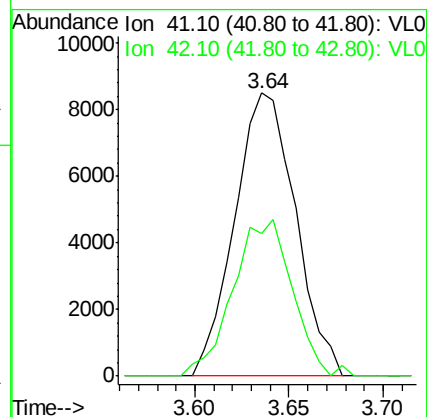
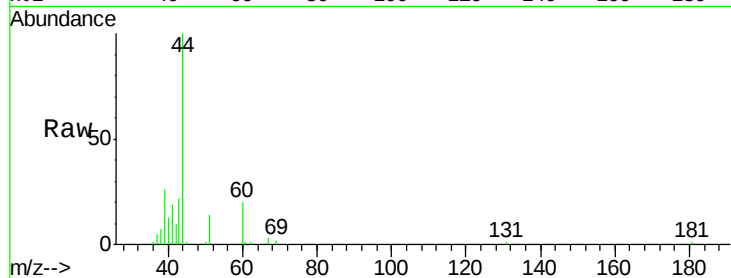
#9
 Propene
 Concen: 0.25 ppbv
 RT: 3.64 min Scan# 90
 Delta R.T. 0.01 min
 Lab File: VL026842.D
 Acq: 10 Feb 2016 6:12

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2DL

Tot Ion: 41 Resp: 19060
 Ion Ratio Lower Upper
 41 100
 42 53.9 52.8 79.2

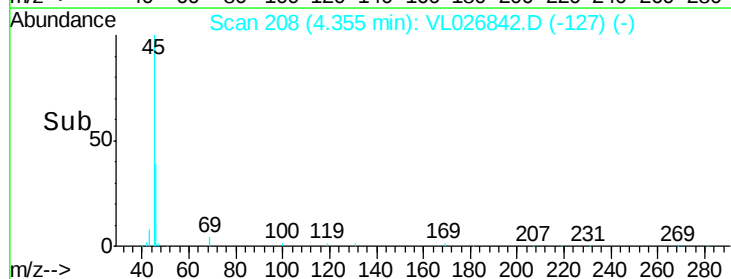
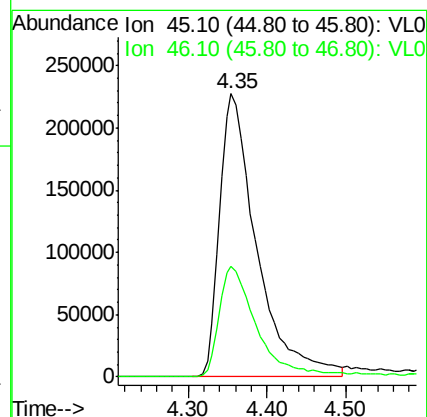
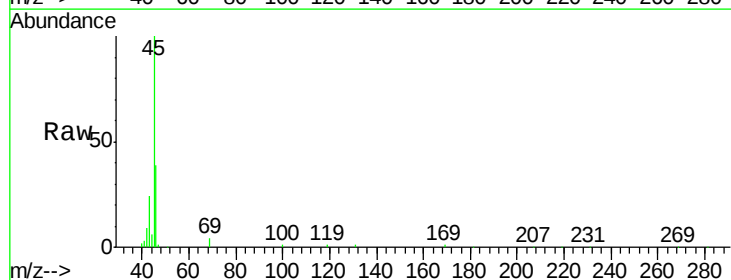
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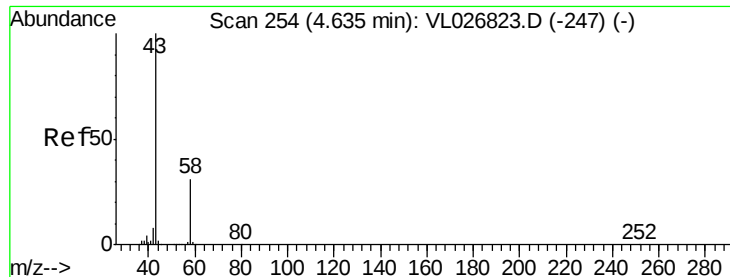
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#13
 Ethanol
 Concen: 58.08 ppbv
 RT: 4.35 min Scan# 208
 Delta R.T. -0.01 min
 Lab File: VL026842.D
 Acq: 10 Feb 2016 6:12

Tgt Ion: 45 Resp: 747570
 Ion Ratio Lower Upper
 45 100
 46 40.4 15.8 63.4





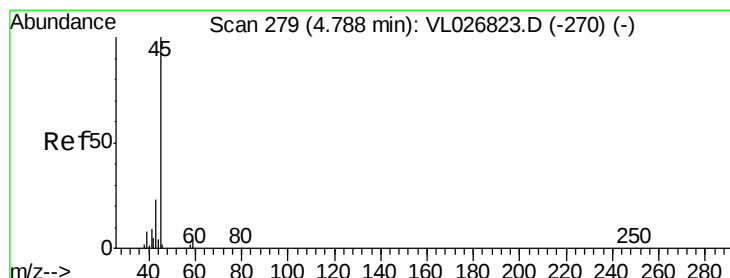
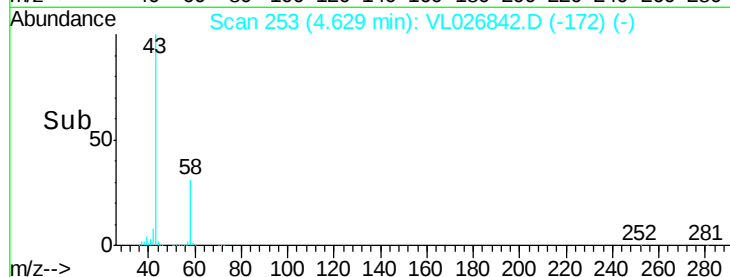
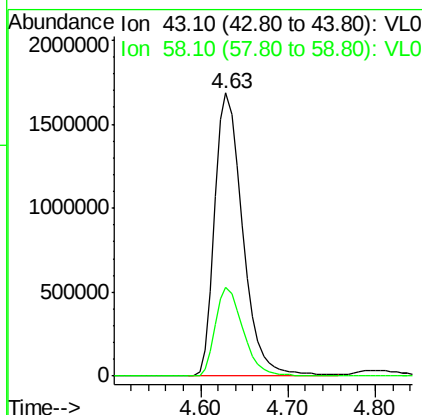
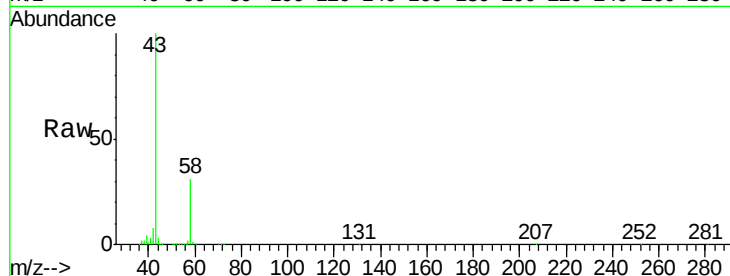
#15
Acetone
Concen: 15.98 ppbv
RT: 4.63 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL026842.D
Acq: 10 Feb 2016 6:12

Instrument :
MSVOA_L
ClientSampleId :
IAS-2DL

Tot Ion: 43 Resp: 3748109
Ion Ratio Lower Upper
43 100
58 31.3 25.2 37.8

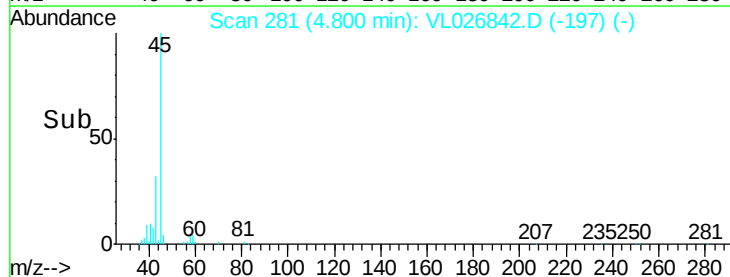
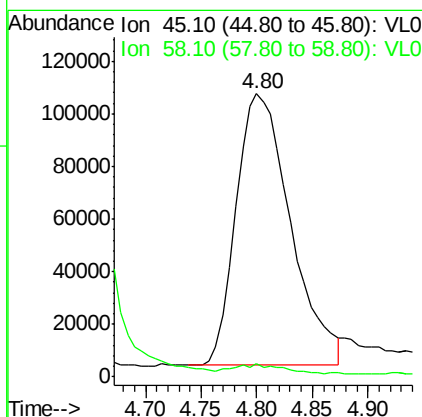
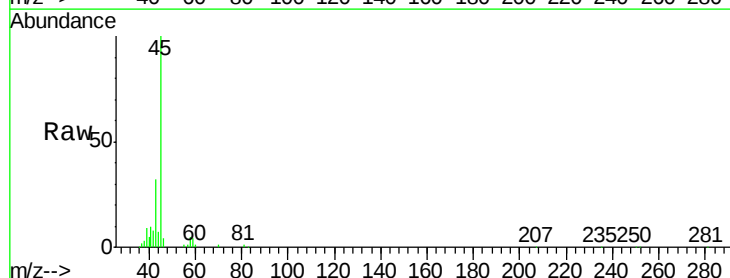
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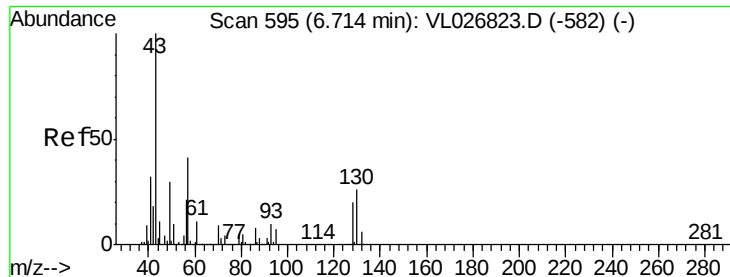
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#19
Isopropyl Alcohol
Concen: 4.21 ppbv
RT: 4.80 min Scan# 281
Delta R.T. 0.01 min
Lab File: VL026842.D
Acq: 10 Feb 2016 6:12

Tgt Ion: 45 Resp: 352082
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.2#





#25

Ethyl Acetate

Concen: 0.16 ppbv

RT: 6.73 min Scan# 597

Delta R.T. 0.01 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

Instrument :

MSVOA_L

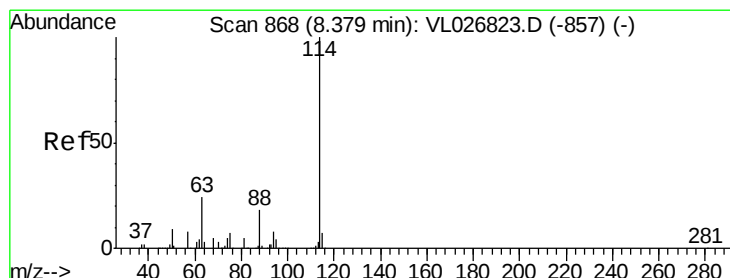
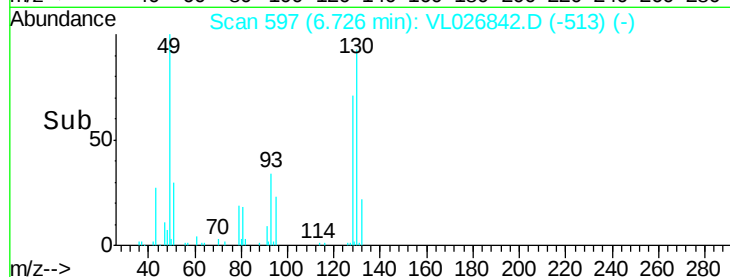
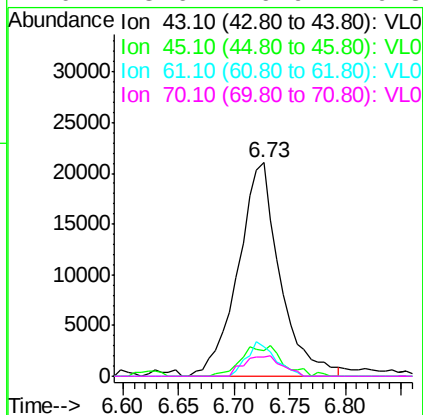
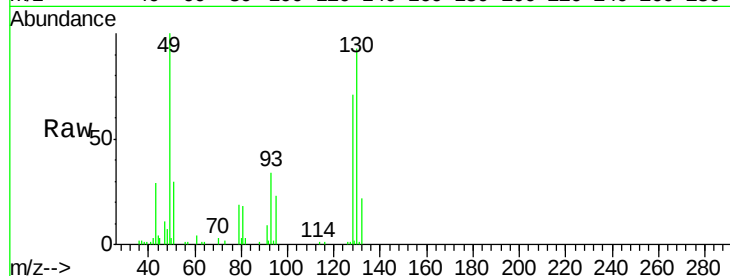
ClientSampleId :

IAS-2DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	14.3	7.8	11.8#		
61	10.9	7.9	11.9		
70	8.6	6.9	10.3		

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

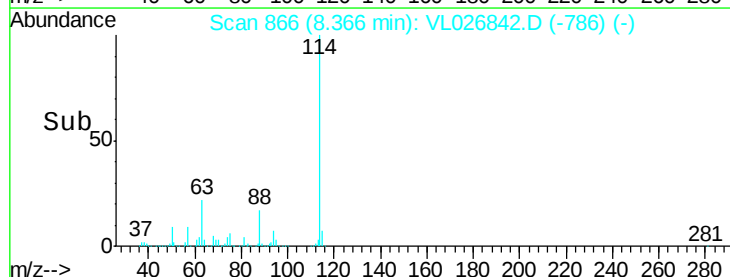
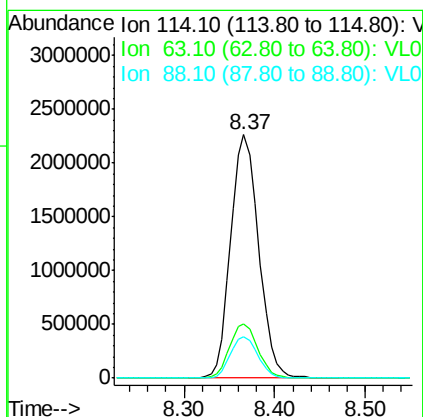
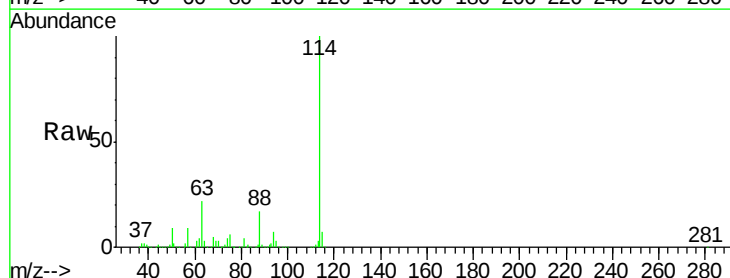
RT: 8.37 min Scan# 866

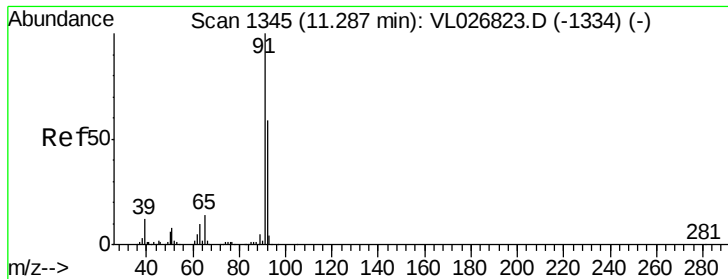
Delta R.T. -0.01 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
114	100				
63	22.5	19.7	29.5		
88	16.8	13.8	20.6		





#53

Toluene

Concen: 0.19 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

Tot Ion: 91 Resp: 82474

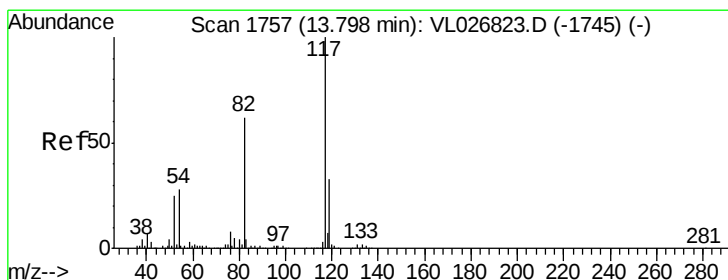
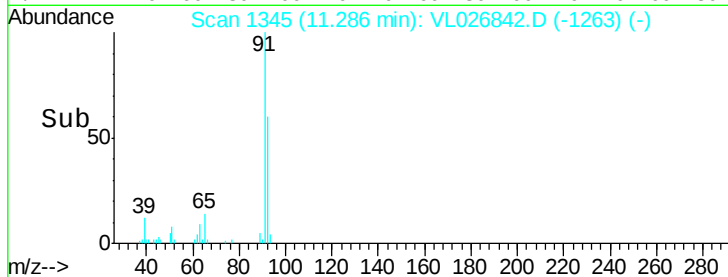
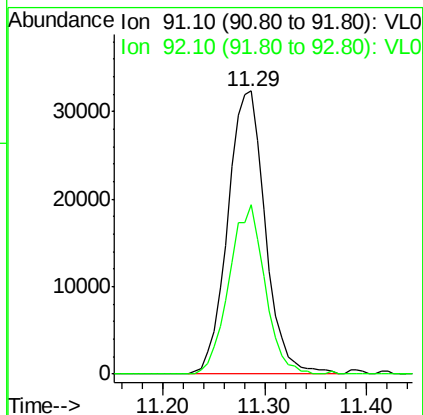
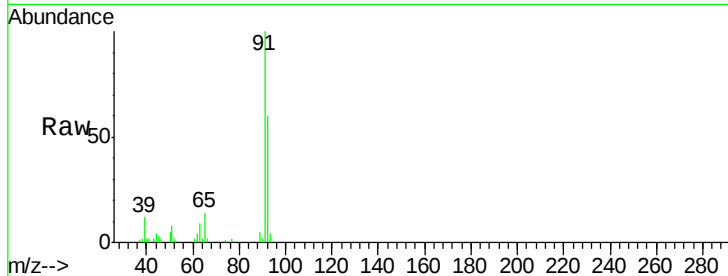
Ion Ratio Lower Upper

91 100

92 57.0 47.3 70.9

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

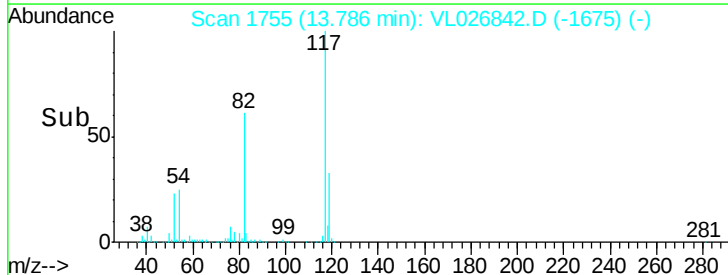
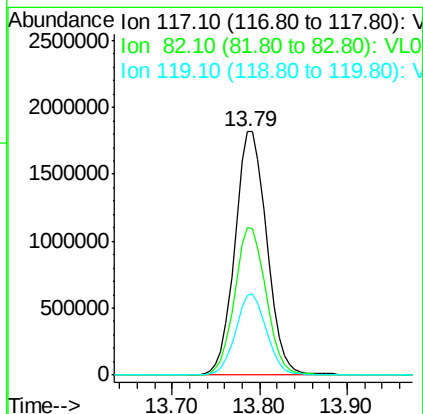
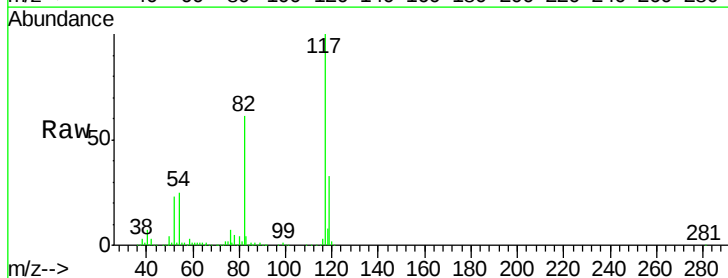
Tgt Ion: 117 Resp: 4629808

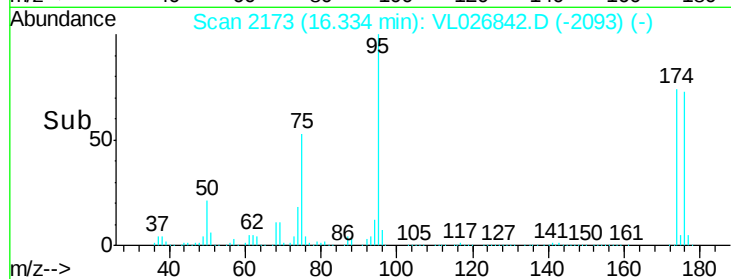
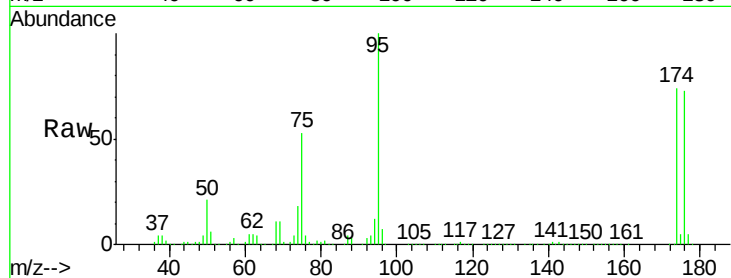
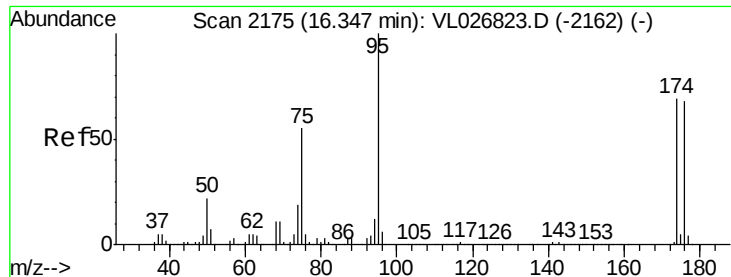
Ion Ratio Lower Upper

117 100

82 0.0 51.9 77.9#

119 32.8 48.5 72.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.72 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026842.D

Acq: 10 Feb 2016 6:12

Instrument :

MSVOA_L

ClientSampleId :

IAS-2DL

Tot Ion: 95 Resp: 3230525

Ion Ratio Lower Upper

95 100

174 74.3 55.6 83.4

175 5.2 3.9 5.9

Manual Integrations

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