

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026237.D
 Acq On : 21 Oct 2015 14:35
 Operator : SY/MD
 Sample : G4112-02DL 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RB-SUBSLAB-239DL

Manual Integrations
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Quant Time: Oct 22 10:18:44 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 22 10:18:44 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.62	49	480465	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.29	114	1339649	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	1683037	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.25	95	1339851	10.32	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	28280	0.28	ppbv	98
3) Chlorodifluoromethane	3.56	51	56086m	0.92	ppbv	
13) Ethanol	4.34	45	19755	4.62	ppbv	95
15) Acetone	4.61	43	50588	0.72	ppbv #	75
26) Hexane	6.63	57	7655	0.12	ppbv #	53
34) 2-Butanone	6.21	43	7682	0.10	ppbv	99
38) Trichloroethene	9.03	130	9961	0.15	ppbv	96
52) Tetrachloroethene	12.76	164	1196519	15.29	ppbv	99
53) Toluene	11.21	91	35699	0.19	ppbv	98

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

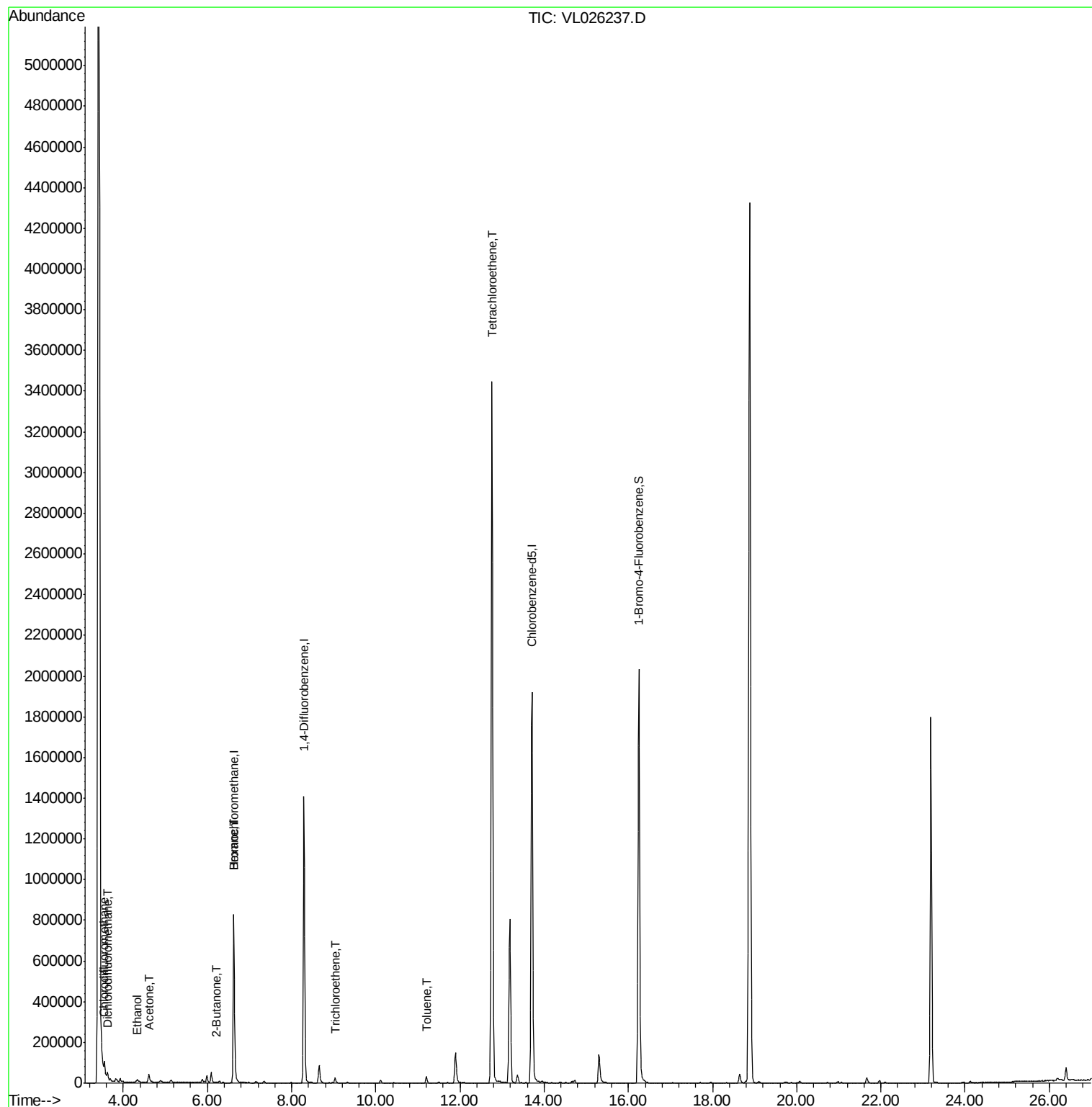
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
Data File : VL026237.D
Acq On : 21 Oct 2015 14:35
Operator : SY/MD
Sample : G4112-02DL 100X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

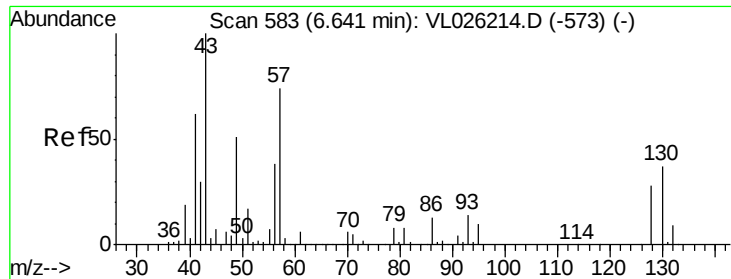
Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Manual Integrations
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Quant Time: Oct 22 10:18:44 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.02 min

Lab File: VL026237.D

Acq: 21 Oct 2015 14:35

Instrument :

MSVOA_L

ClientSampleId :

RB-SUBSLAB-239DL

Tot Ion: 49 Resp: 480465

Ion Ratio Lower Upper

49 100

128 57.6 28.2 84.7

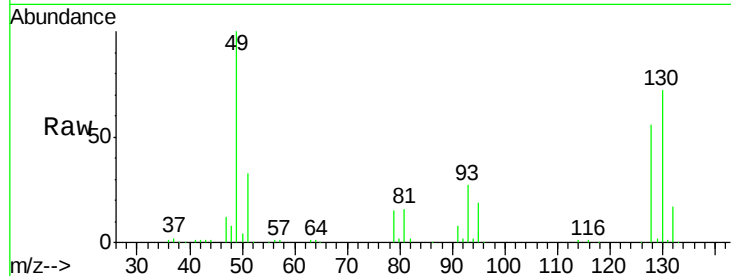
130 74.0 36.0 108.1

Manual Integrations

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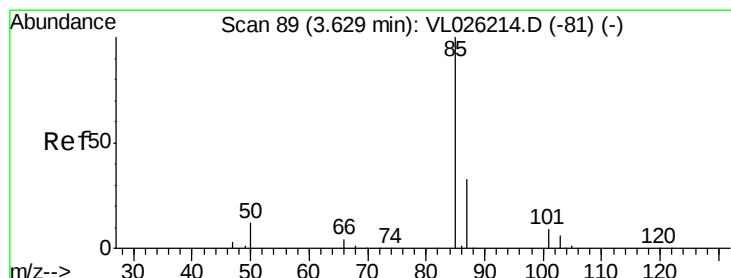
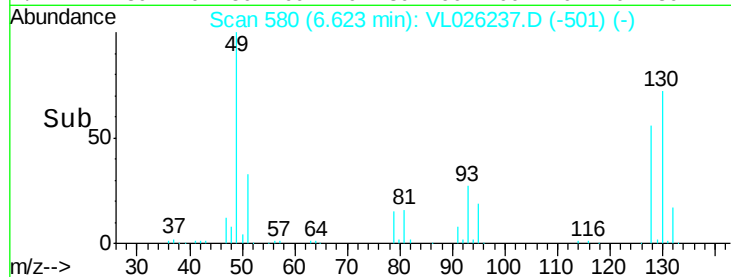
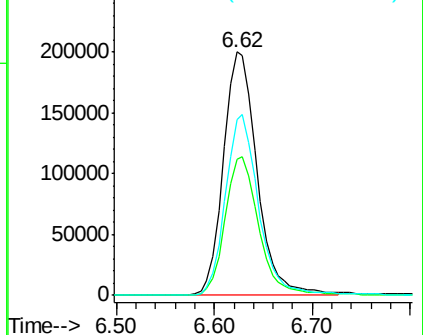
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.28 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026237.D

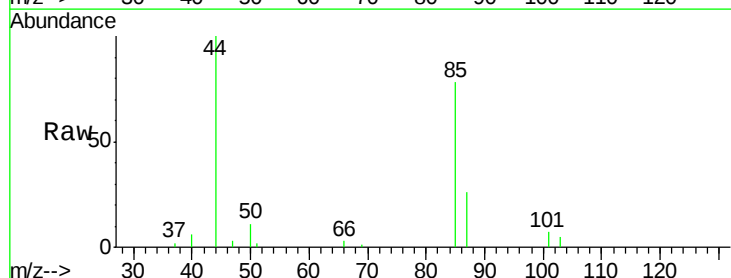
Acq: 21 Oct 2015 14:35

Tgt Ion: 85 Resp: 28280

Ion Ratio Lower Upper

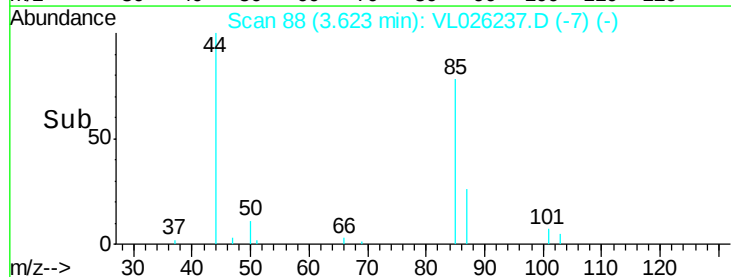
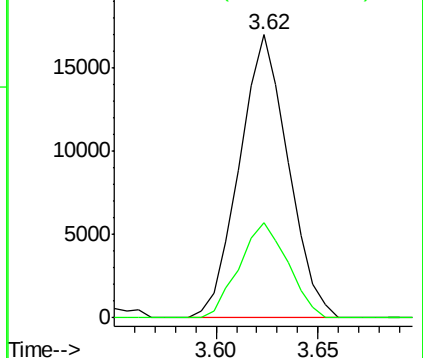
85 100

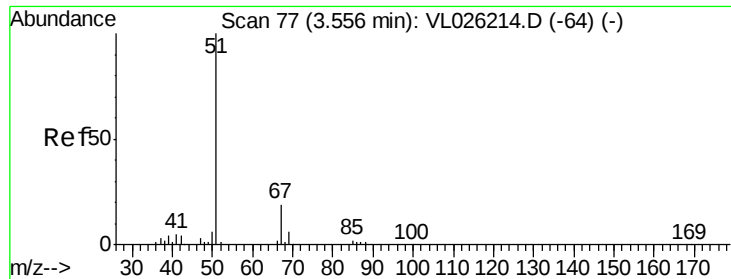
87 33.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





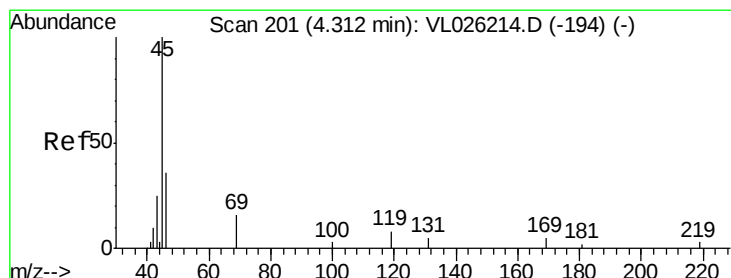
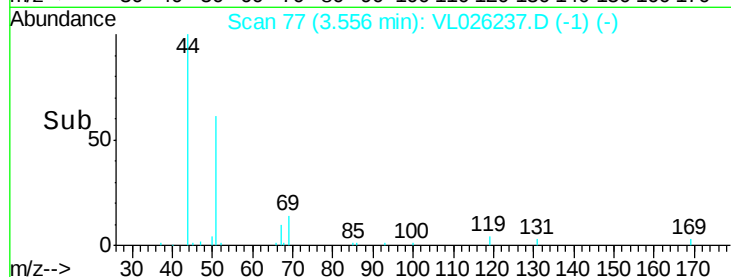
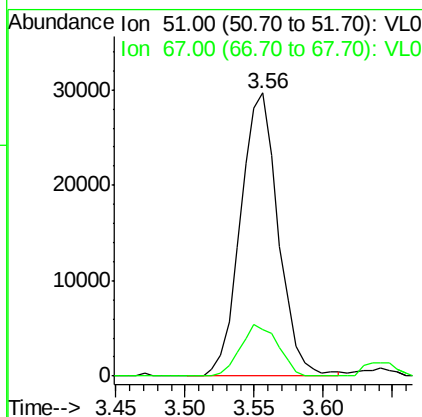
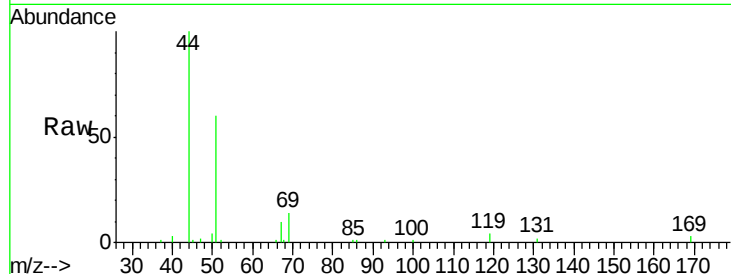
#3
Chlorodifluoromethane
Concen: 0.92 ppbv m
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tot Ion	51	Resp	56086
Ion Ratio	100	Lower	Upper
67	18.1	15.3	22.9

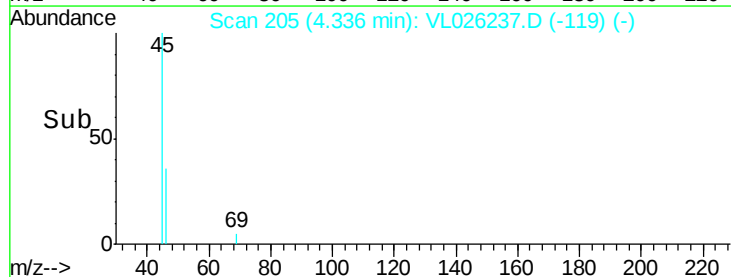
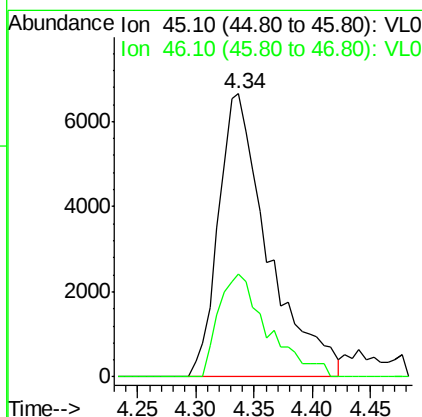
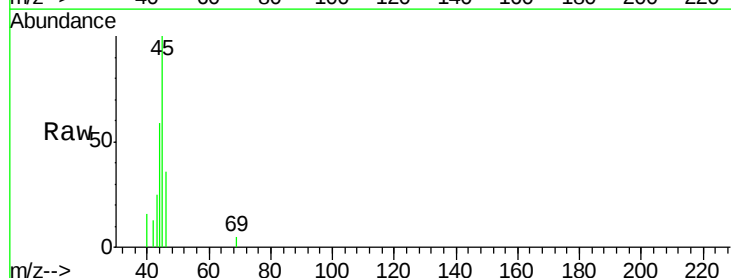
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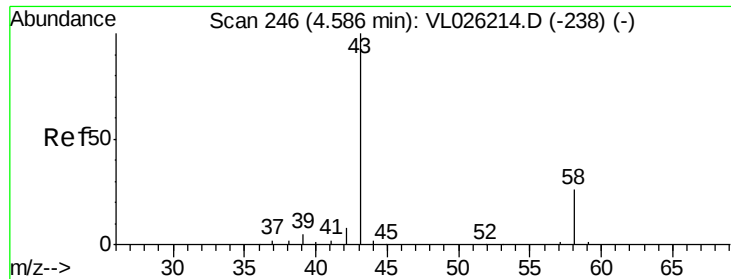
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#13
Ethanol
Concen: 4.62 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion	45	Resp	19755
Ion Ratio	100	Lower	Upper
46	36.0	15.8	63.0





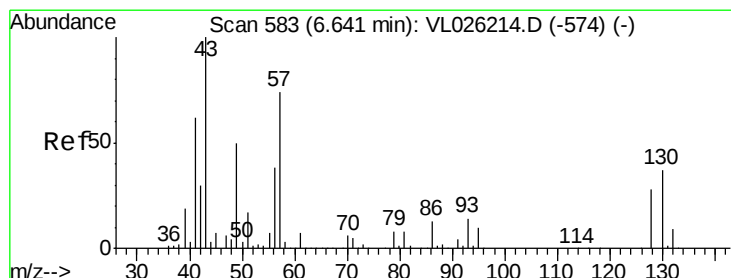
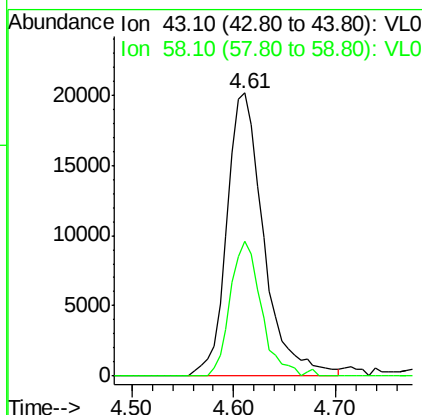
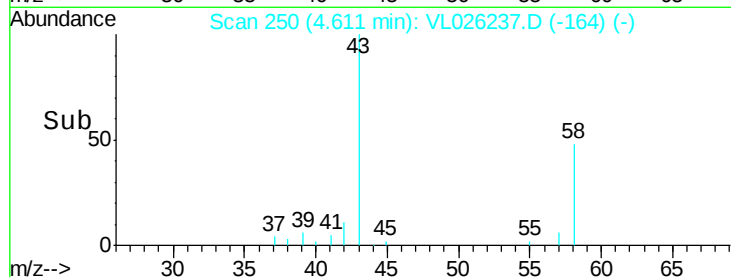
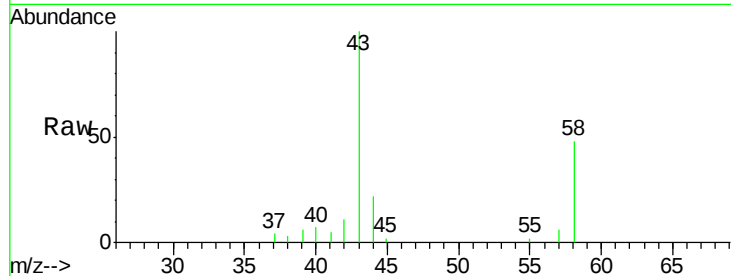
#15
Acetone
Concen: 0.72 ppbv
RT: 4.61 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Instrument :
MSVOA_L
ClientSampleId :
RB-SUBSLAB-239DL

Tot Ion: 43 Resp: 50588
Ion Ratio Lower Upper
43 100
58 40.2 21.8 32.6#

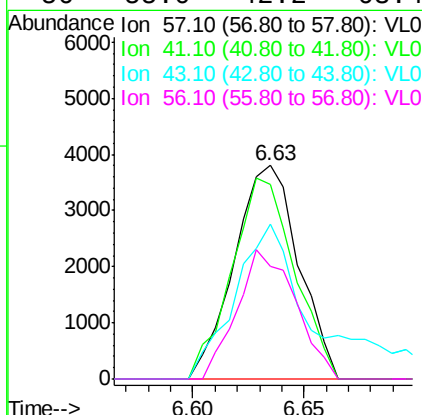
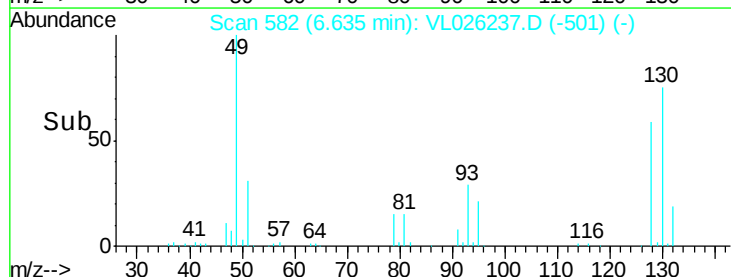
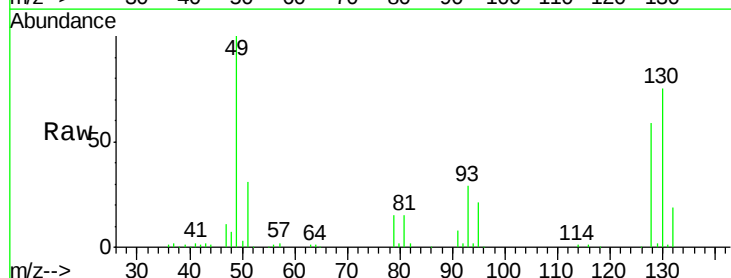
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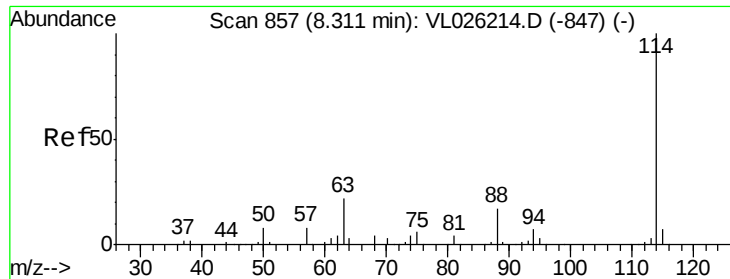
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#26
Hexane
Concen: 0.12 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026237.D
Acq: 21 Oct 2015 14:35

Tgt Ion: 57 Resp: 7655
Ion Ratio Lower Upper
57 100
41 91.4 68.1 102.1
43 90.0 163.4 245.2#
56 55.0 42.2 63.4





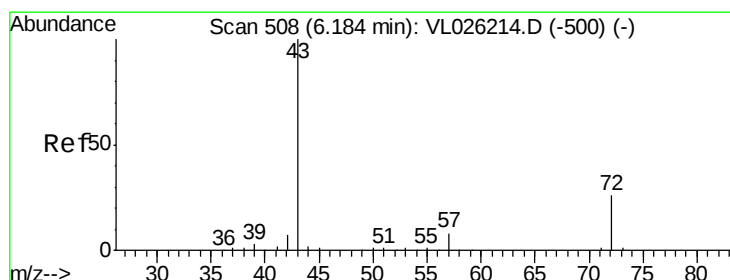
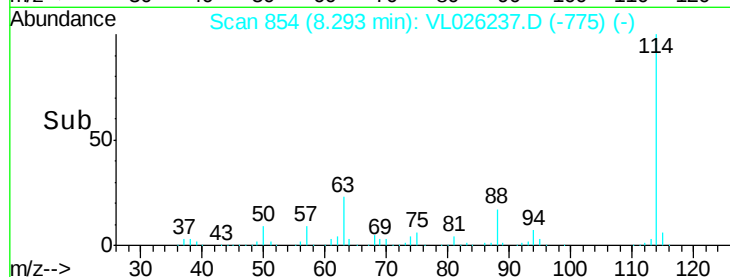
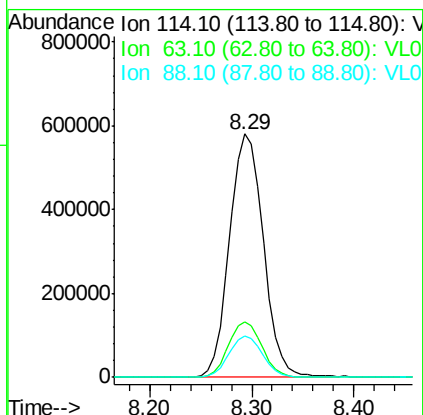
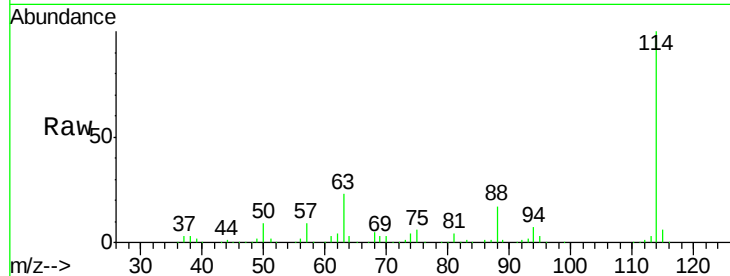
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.29 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: VL026237.D
 Acq: 21 Oct 2015 14:35

Instrument :
 MSVOA_L
 ClientSampleId :
 RB-SUBSLAB-239DL

Tot Ion:114 Resp: 1339649
 Ion Ratio Lower Upper
 114 100
 63 22.6 18.2 27.4
 88 16.8 13.5 20.3

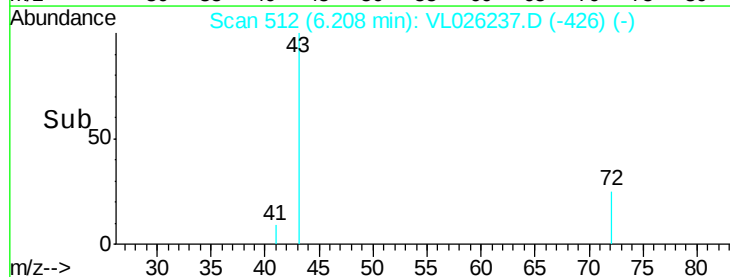
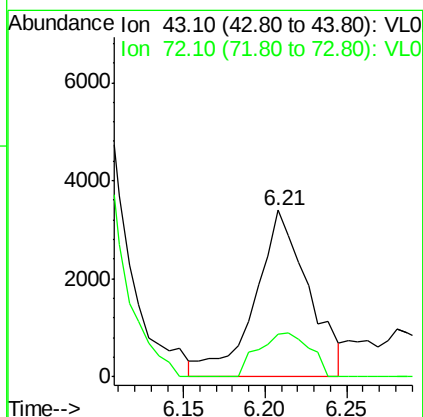
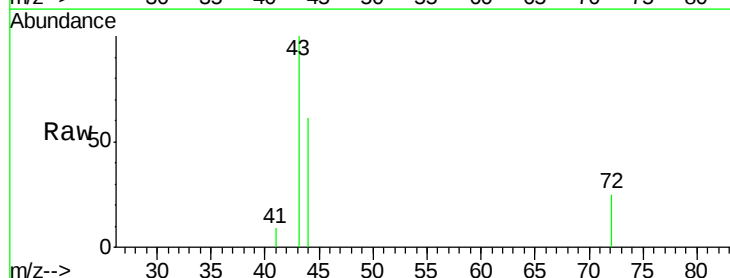
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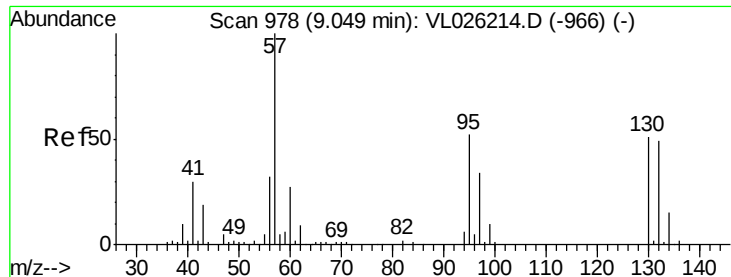
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#34
 2-Butanone
 Concen: 0.10 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VL026237.D
 Acq: 21 Oct 2015 14:35

Tgt Ion: 43 Resp: 7682
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.1 30.1





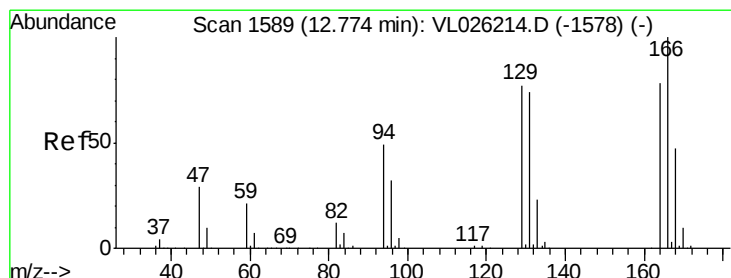
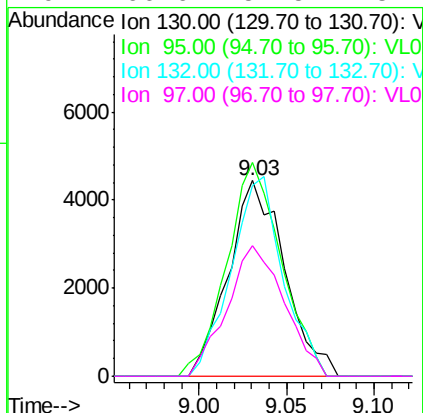
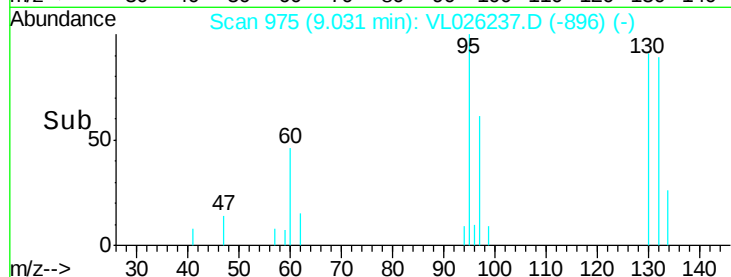
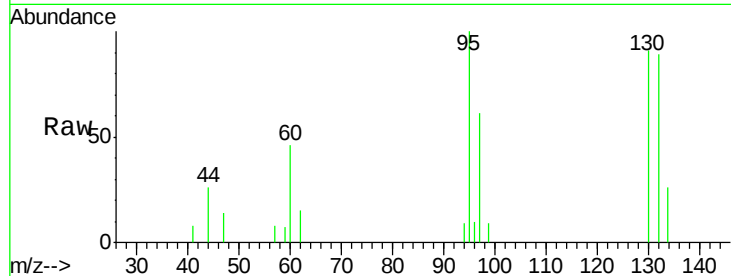
#38
 Trichloroethene
 Concen: 0.15 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VL026237.D
 Acq: 21 Oct 2015 14:35

Instrument :
 MSVOA_L
 ClientSampleId :
 RB-SUBSLAB-239DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
9961	130	100			
	95	109.4		81.0	121.4
	132	97.4		76.5	114.7
	97	66.6		52.5	78.7

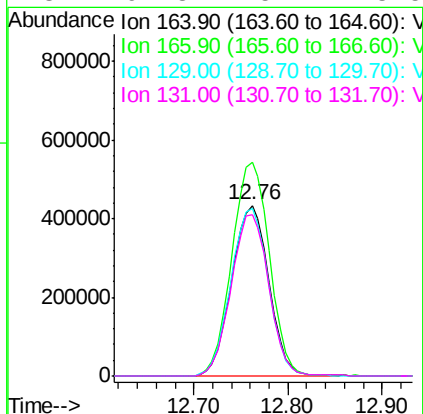
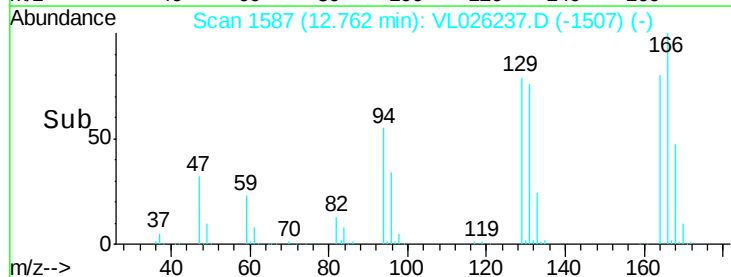
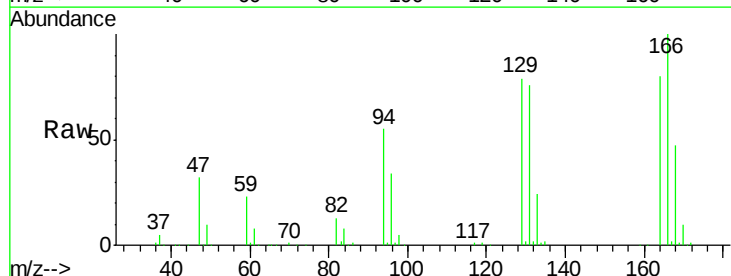
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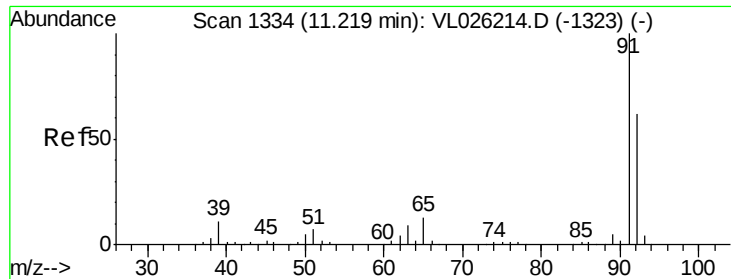
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#52
 Tetrachloroethene
 Concen: 15.29 ppbv
 RT: 12.76 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: VL026237.D
 Acq: 21 Oct 2015 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1196519	164	100			
	166	125.1		102.3	153.5
	129	98.5		78.2	117.4
	131	94.8		75.7	113.5





#53

Toluene

Concen: 0.19 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026237.D

Acq: 21 Oct 2015 14:35

Instrument :

MSVOA_L

ClientSampleId :

RB-SUBSLAB-239DL

Tot Ion: 91 Resp: 35699

Ion Ratio Lower Upper

91 100

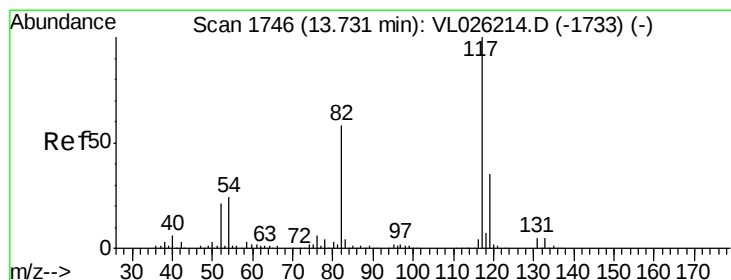
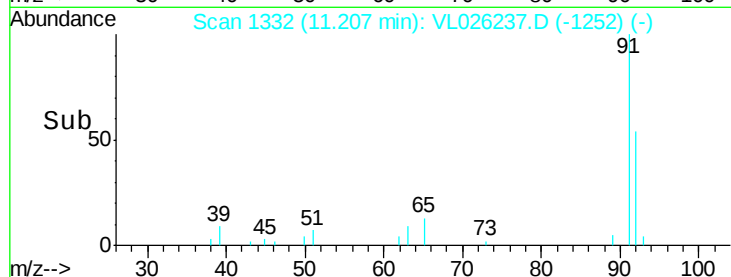
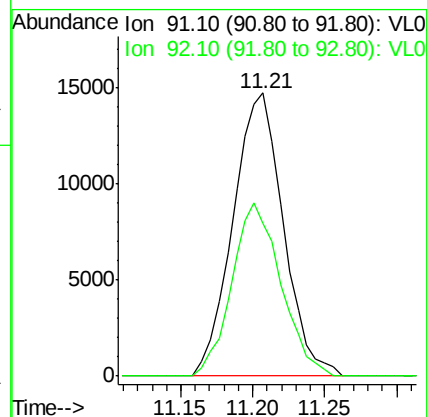
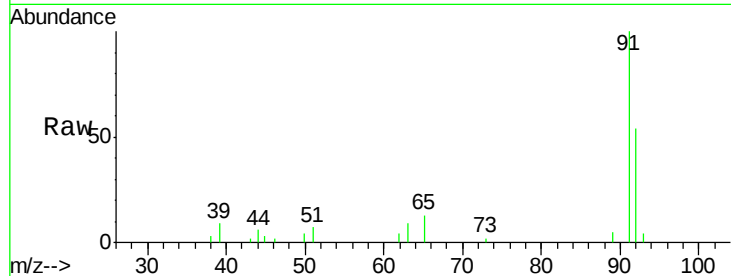
92 59.6 49.2 73.8

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1742

Delta R.T. -0.02 min

Lab File: VL026237.D

Acq: 21 Oct 2015 14:35

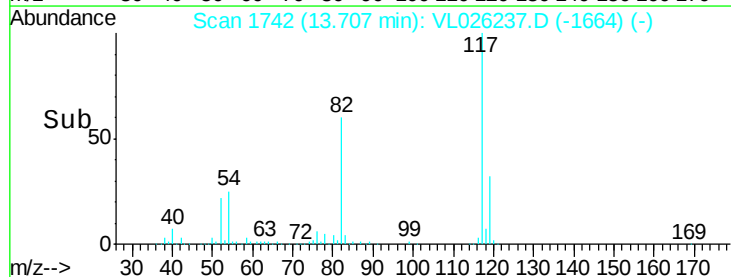
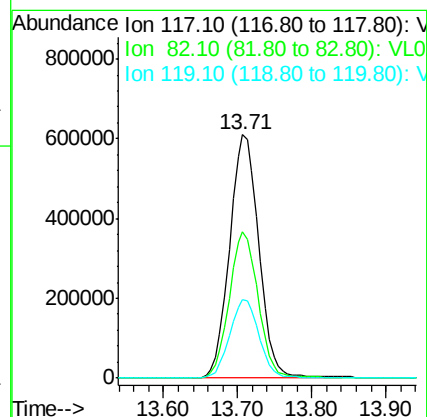
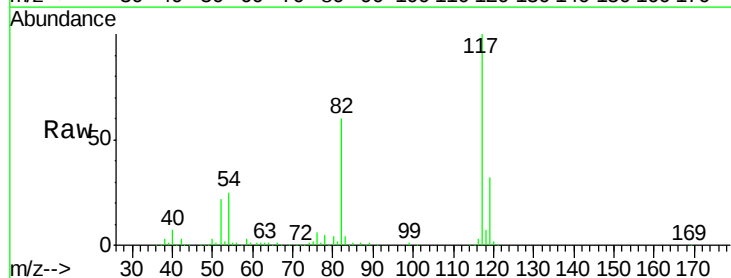
Tgt Ion: 117 Resp: 1683037

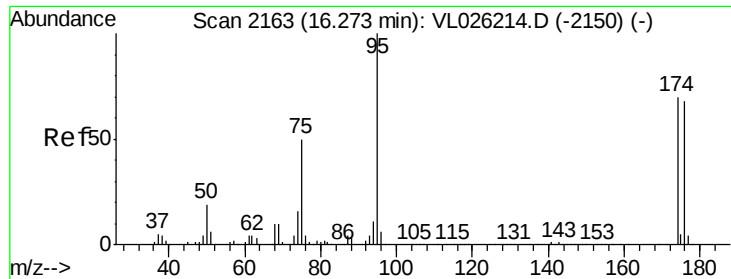
Ion Ratio Lower Upper

117 100

82 60.0 45.8 68.8

119 32.3 45.0 67.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.32 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026237.D

Acq: 21 Oct 2015 14:35

Instrument :

MSVOA_L

ClientSampleId :

RB-SUBSLAB-239DL

Tot Ion: 95 Resp: 1339851

Ion Ratio Lower Upper

95 100

174 67.7 55.8 83.8

175 5.0 4.3 6.5

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