

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026243.D
 Acq On : 21 Oct 2015 18:24
 Operator : SY/MD
 Sample : G4112-01DL 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SUBSLAB-233DL

Quant Time: Oct 22 13:54:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 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	6.63	49	459202	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.29	114	1330275	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	1612535	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1298084	10.44	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

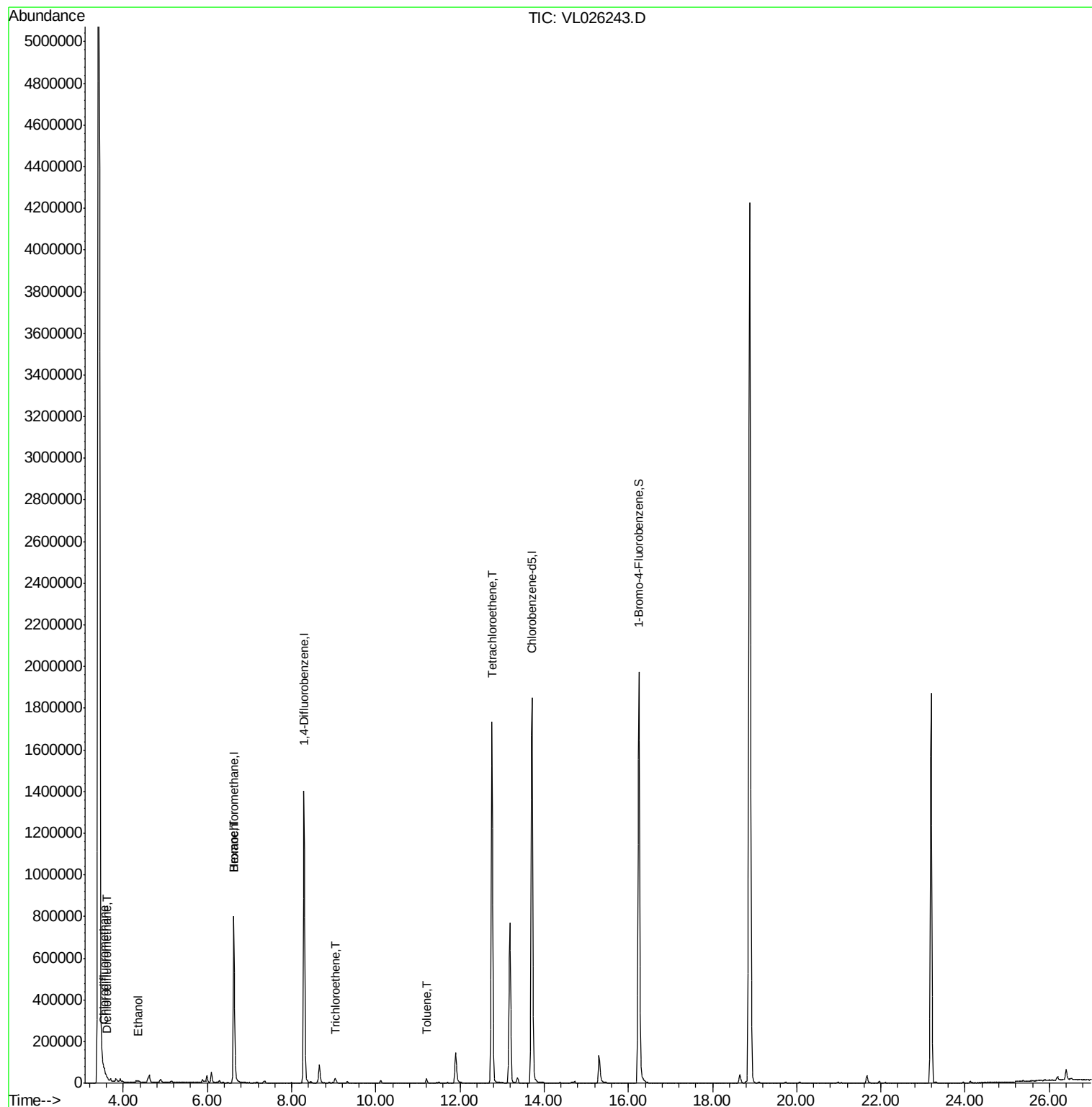
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	4132	0.04	ppbv #	81
3) Chlorodifluoromethane	3.56	51	10942	0.19	ppbv	98
13) Ethanol	4.34	45	9671	2.37	ppbv	99
26) Hexane	6.64	57	9467	0.15	ppbv #	48
38) Trichloroethene	9.03	130	9709	0.15	ppbv	94
52) Tetrachloroethene	12.76	164	587568	7.56	ppbv	97
53) Toluene	11.21	91	22315	0.12	ppbv	98

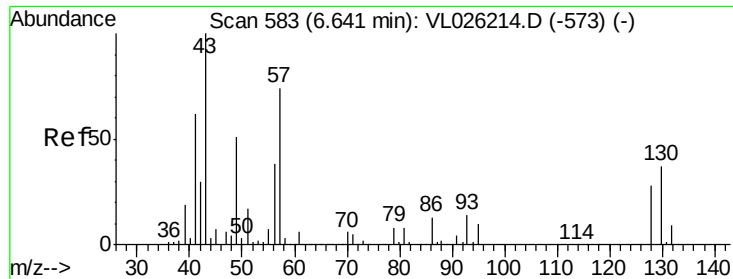
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026243.D

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Instrument :

MSVOA_L

ClientSampleId :

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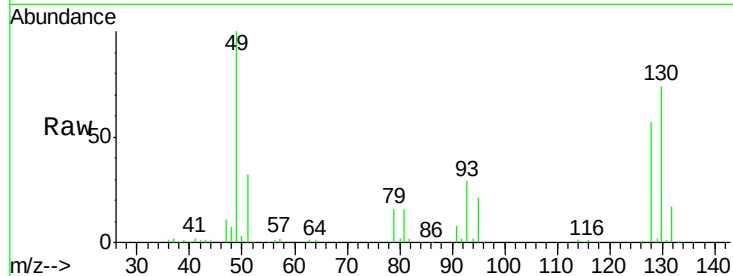
Tot Ion: 49 Resp: 459202

Ion Ratio Lower Upper

49 100

128 56.8 28.2 84.7

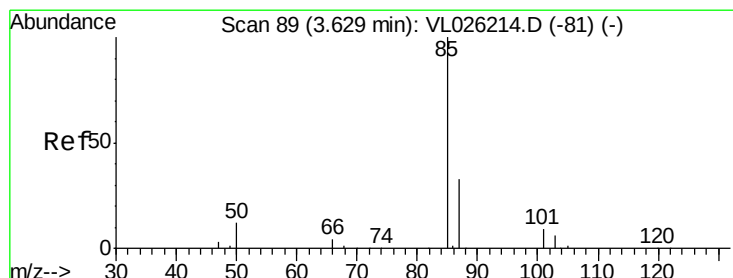
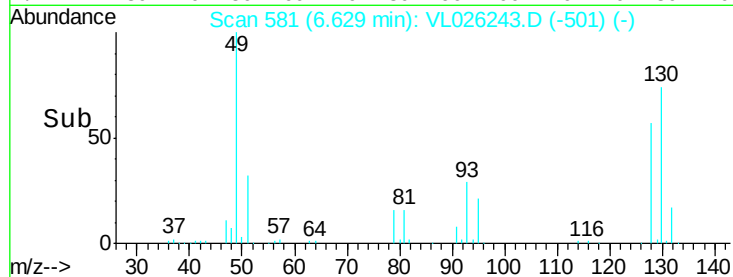
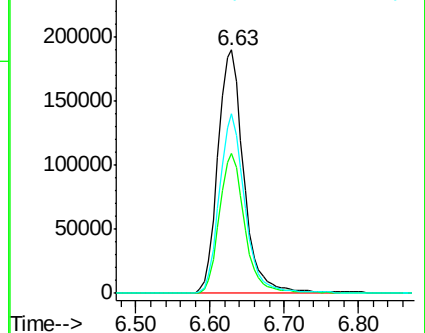
130 72.9 36.0 108.1



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: 0.04 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VL026243.D

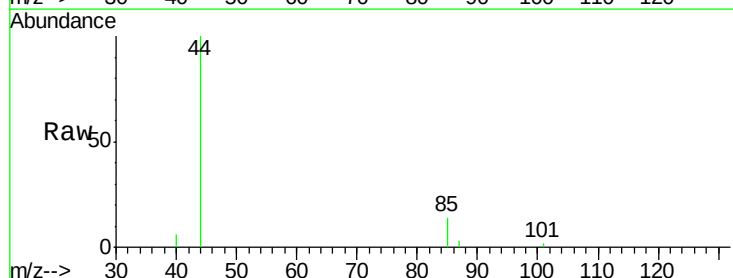
Acq: 21 Oct 2015 18:24

Tgt Ion: 85 Resp: 4132

Ion Ratio Lower Upper

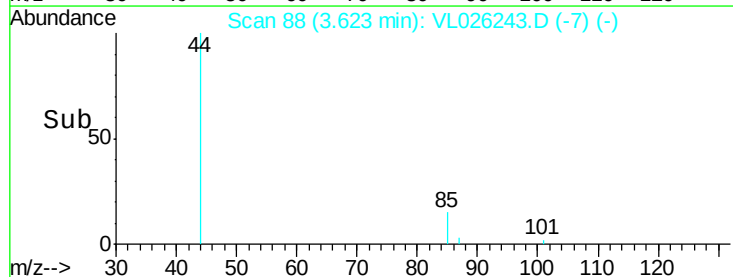
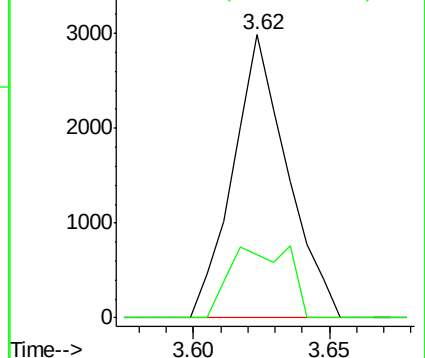
85 100

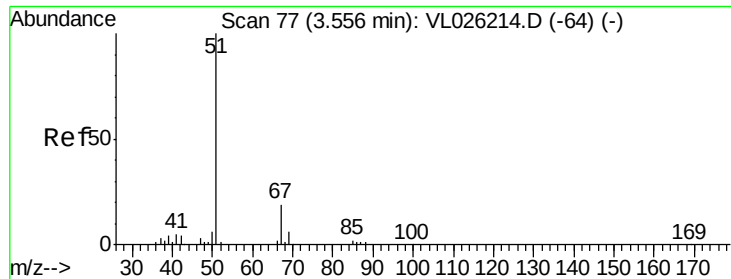
87 22.1 26.1 39.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.19 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026243.D

Acq: 21 Oct 2015 18:24

Instrument :

MSVOA_L

ClientSampleId :

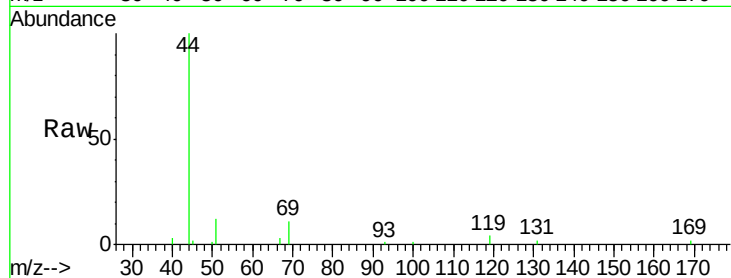
SUBSLAB-233DL

Tot Ion: 51 Resp: 10942

Ion Ratio Lower Upper

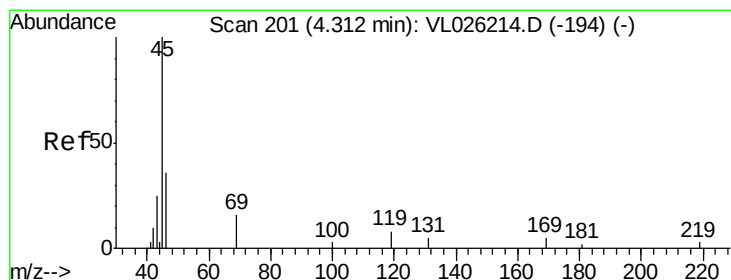
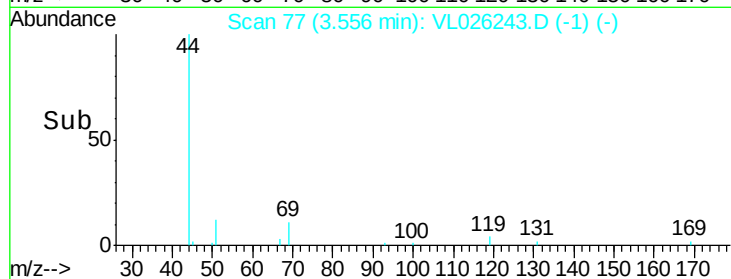
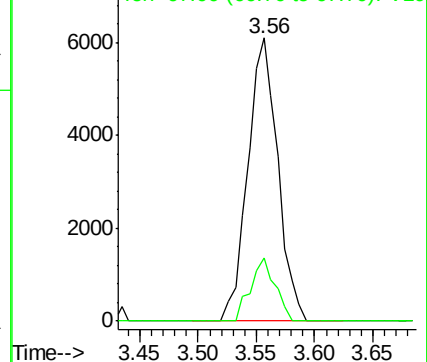
51 100

67 18.3 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#13

Ethanol

Concen: 2.37 ppbv

RT: 4.34 min Scan# 206

Delta R.T. 0.03 min

Lab File: VL026243.D

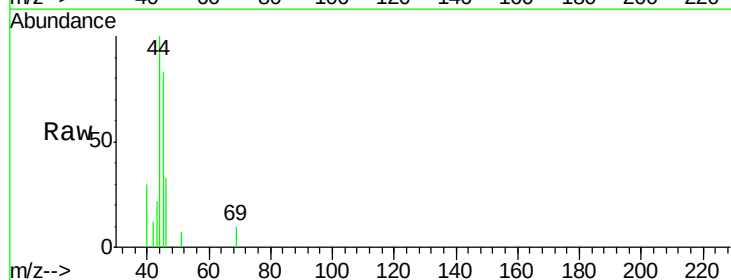
Acq: 21 Oct 2015 18:24

Tgt Ion: 45 Resp: 9671

Ion Ratio Lower Upper

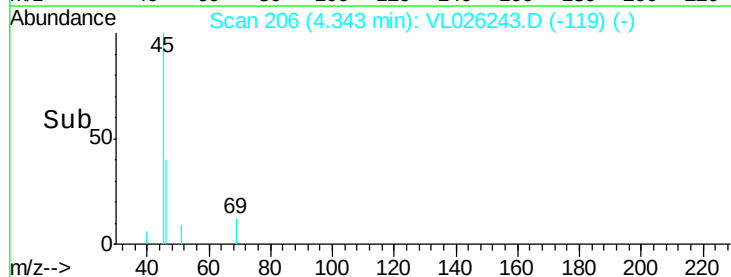
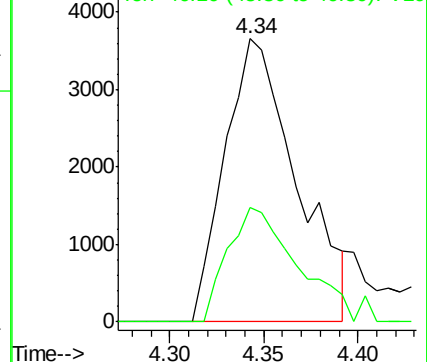
45 100

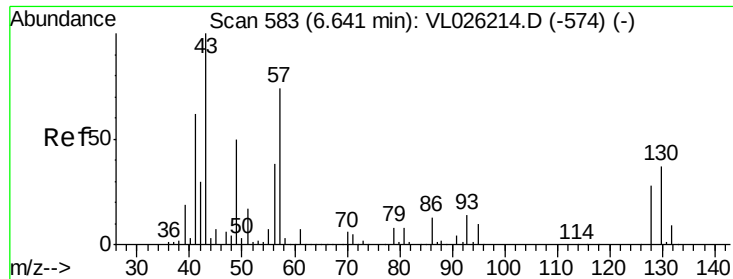
46 40.2 15.8 63.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

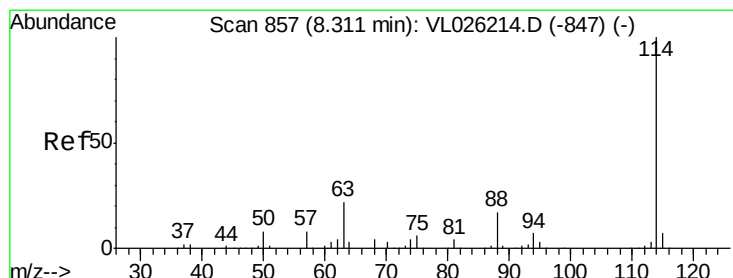
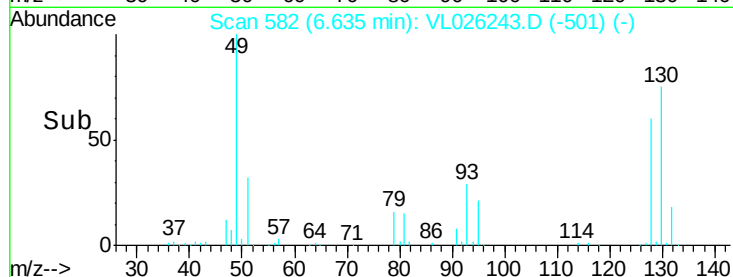
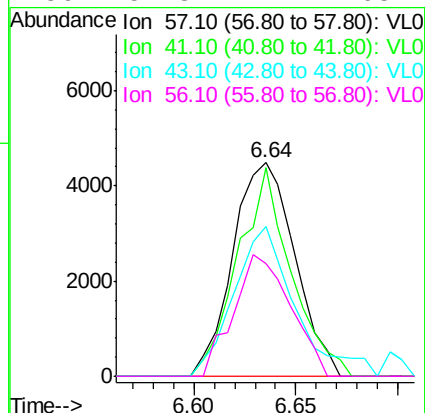
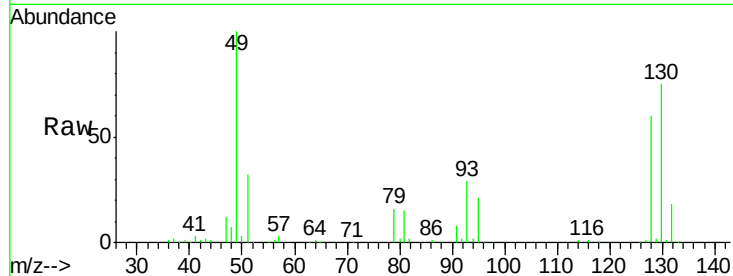




#26
Hexane
Concen: 0.15 ppbv
RT: 6.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026243.D
Acq: 21 Oct 2015 18:24

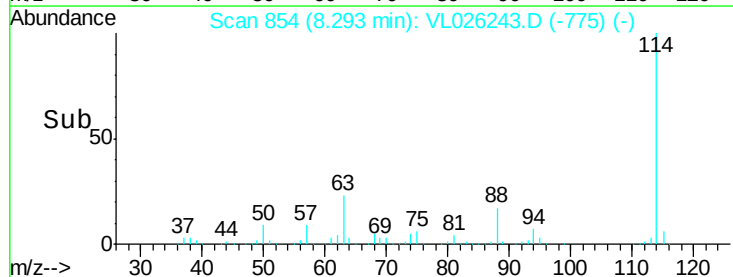
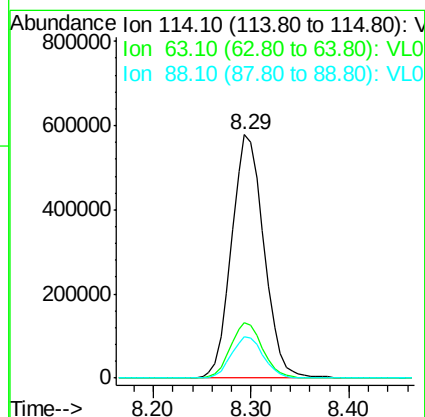
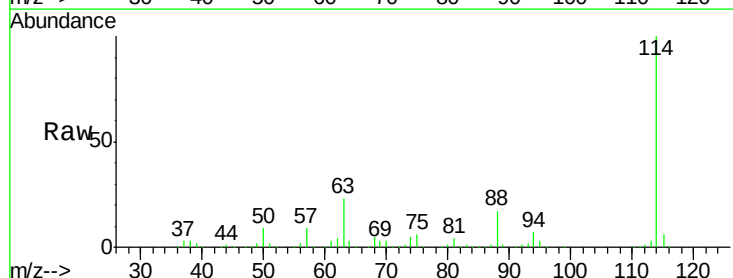
Instrument :
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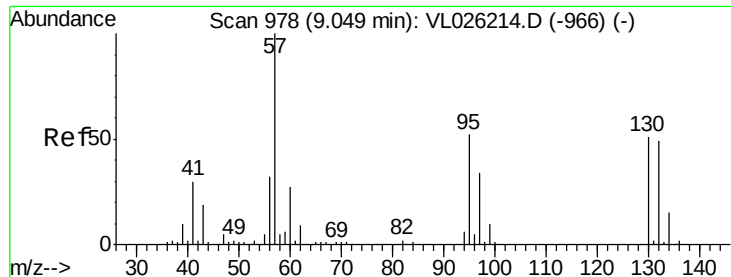
Tot Ion: 57 Resp: 9467
Ion Ratio Lower Upper
57 100
41 84.2 68.1 102.1
43 72.5 163.4 245.2#
56 52.3 42.2 63.4



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.02 min
Lab File: VL026243.D
Acq: 21 Oct 2015 18:24

Tgt Ion: 114 Resp: 1330275
Ion Ratio Lower Upper
114 100
63 22.6 18.2 27.4
88 16.9 13.5 20.3

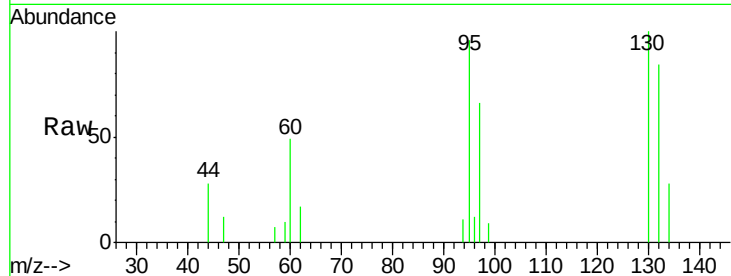




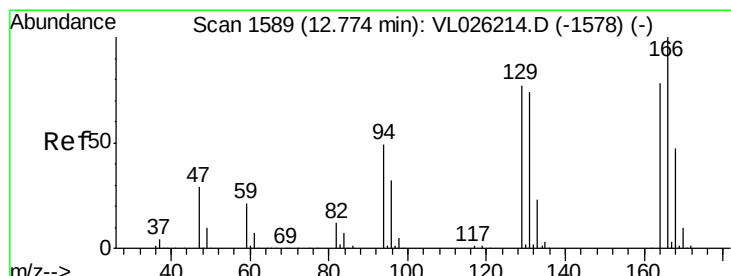
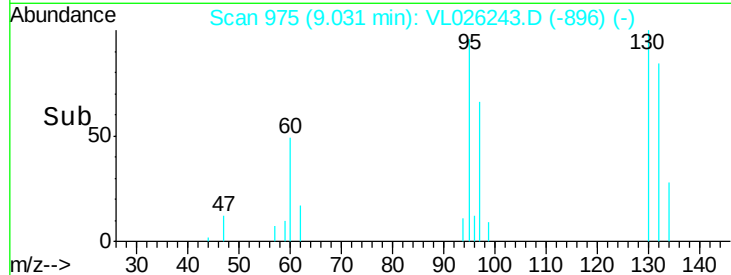
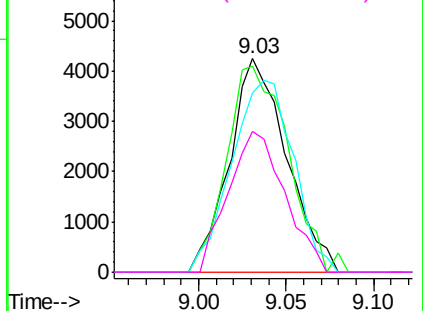
#38
 Trichloroethene
 Concen: 0.15 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VL026243.D
 Acq: 21 Oct 2015 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SUBSLAB-233DL

Tot Ion:130 Resp: 9709
 Ion Ratio Lower Upper
 130 100
 95 96.4 81.0 121.4
 132 83.7 76.5 114.7
 97 65.9 52.5 78.7

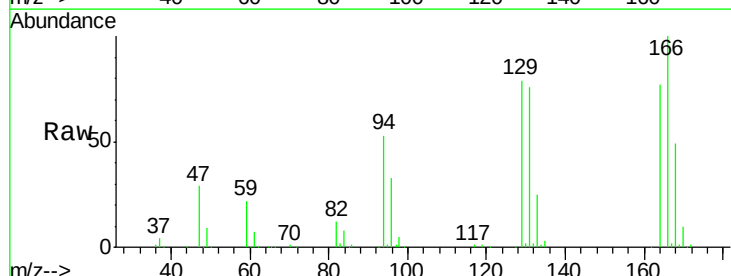


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

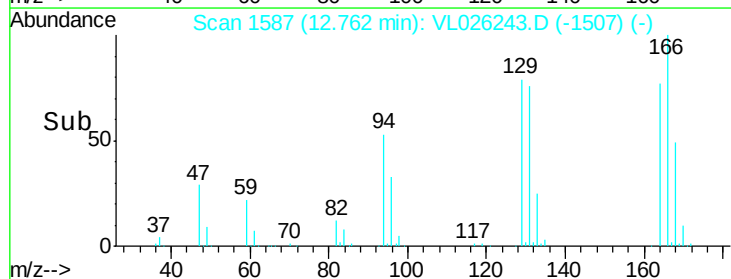
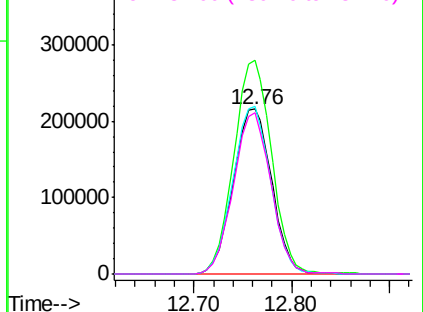


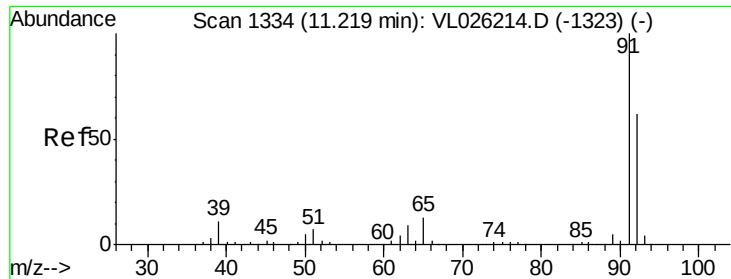
#52
 Tetrachloroethene
 Concen: 7.56 ppbv
 RT: 12.76 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: VL026243.D
 Acq: 21 Oct 2015 18:24

Tgt Ion:164 Resp: 587568
 Ion Ratio Lower Upper
 164 100
 166 129.6 102.3 153.5
 129 101.6 78.2 117.4
 131 98.0 75.7 113.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.12 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026243.D

Acq: 21 Oct 2015 18:24

Instrument :

MSVOA_L

ClientSampleId :

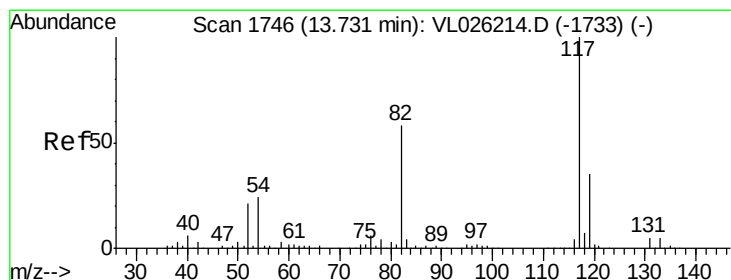
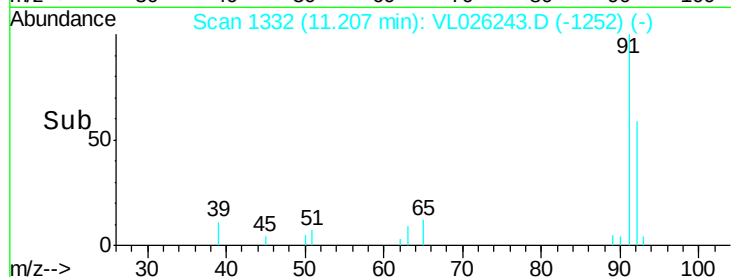
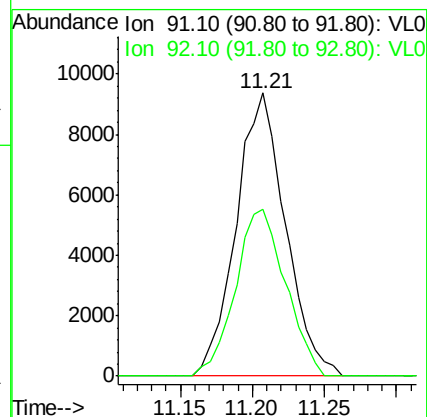
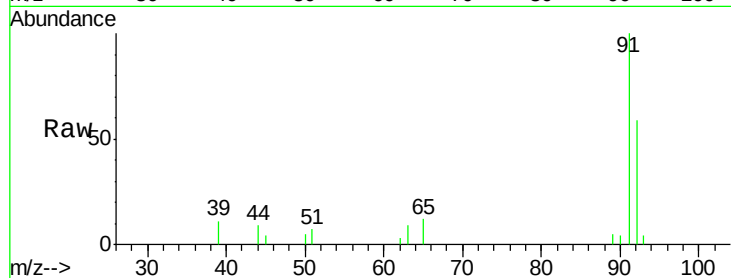
SUBSLAB-233DL

Tot Ion: 91 Resp: 22315

Ion Ratio Lower Upper

91 100

92 59.8 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1742

Delta R.T. -0.02 min

Lab File: VL026243.D

Acq: 21 Oct 2015 18:24

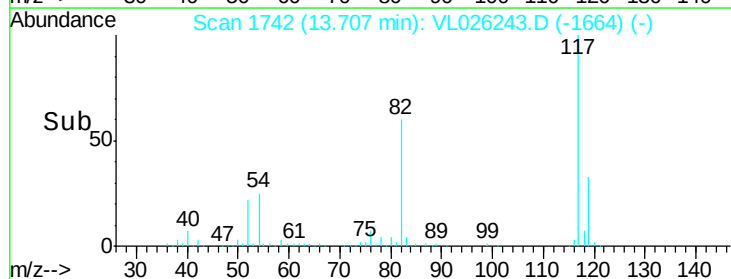
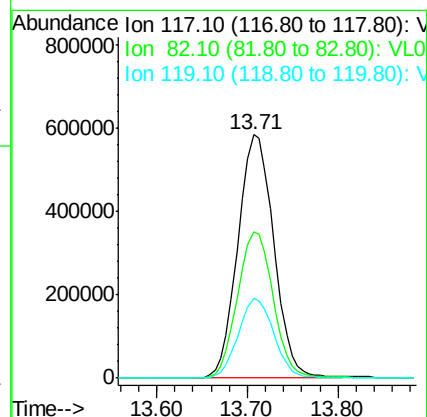
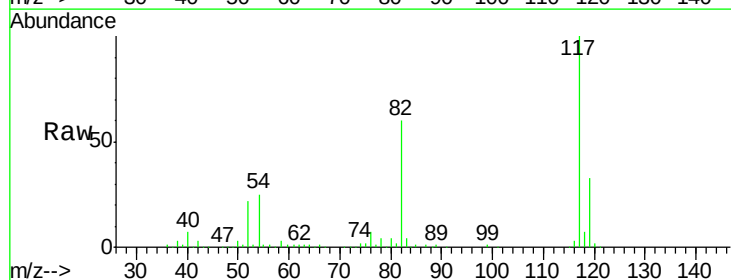
Tgt Ion: 117 Resp: 1612535

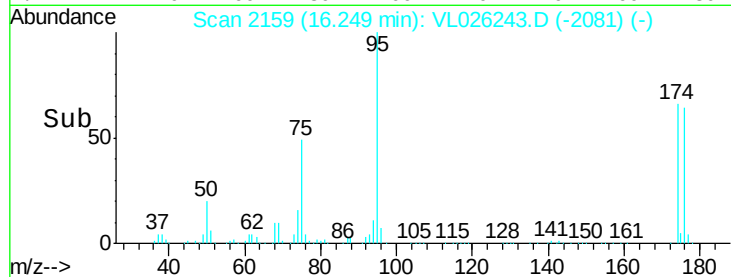
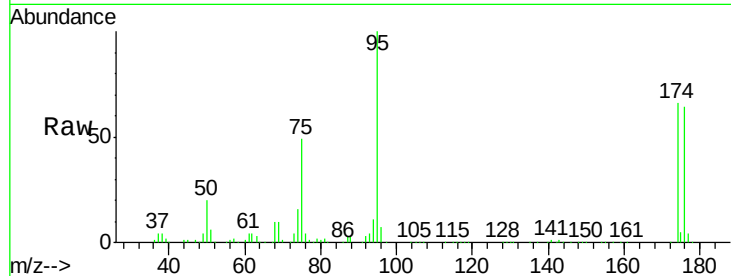
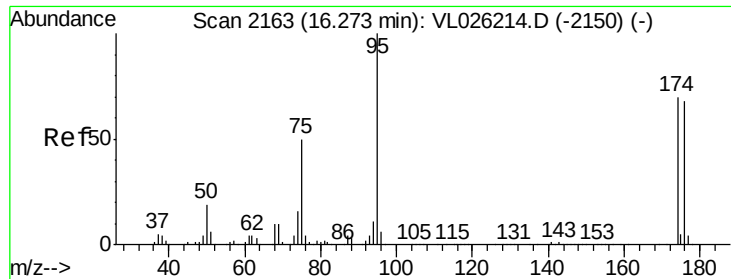
Ion Ratio Lower Upper

117 100

82 60.5 45.8 68.8

119 32.9 45.0 67.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.44 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026243.D

Acq: 21 Oct 2015 18:24

Instrument :

MSVOA_L

ClientSampleId :

SUBSLAB-233DL

Tot Ion: 95 Resp: 1298084

Ion Ratio Lower Upper

95 100

174 67.4 55.8 83.8

175 5.0 4.3 6.5

