

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031265.D
 Acq On : 20 Dec 2017 11:12
 Operator : SY/AP
 Sample : VL1220ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABL01

Quant Time: Dec 21 08:32:33 2017
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1709660	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	4088638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4064660	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3233938	11.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.90%

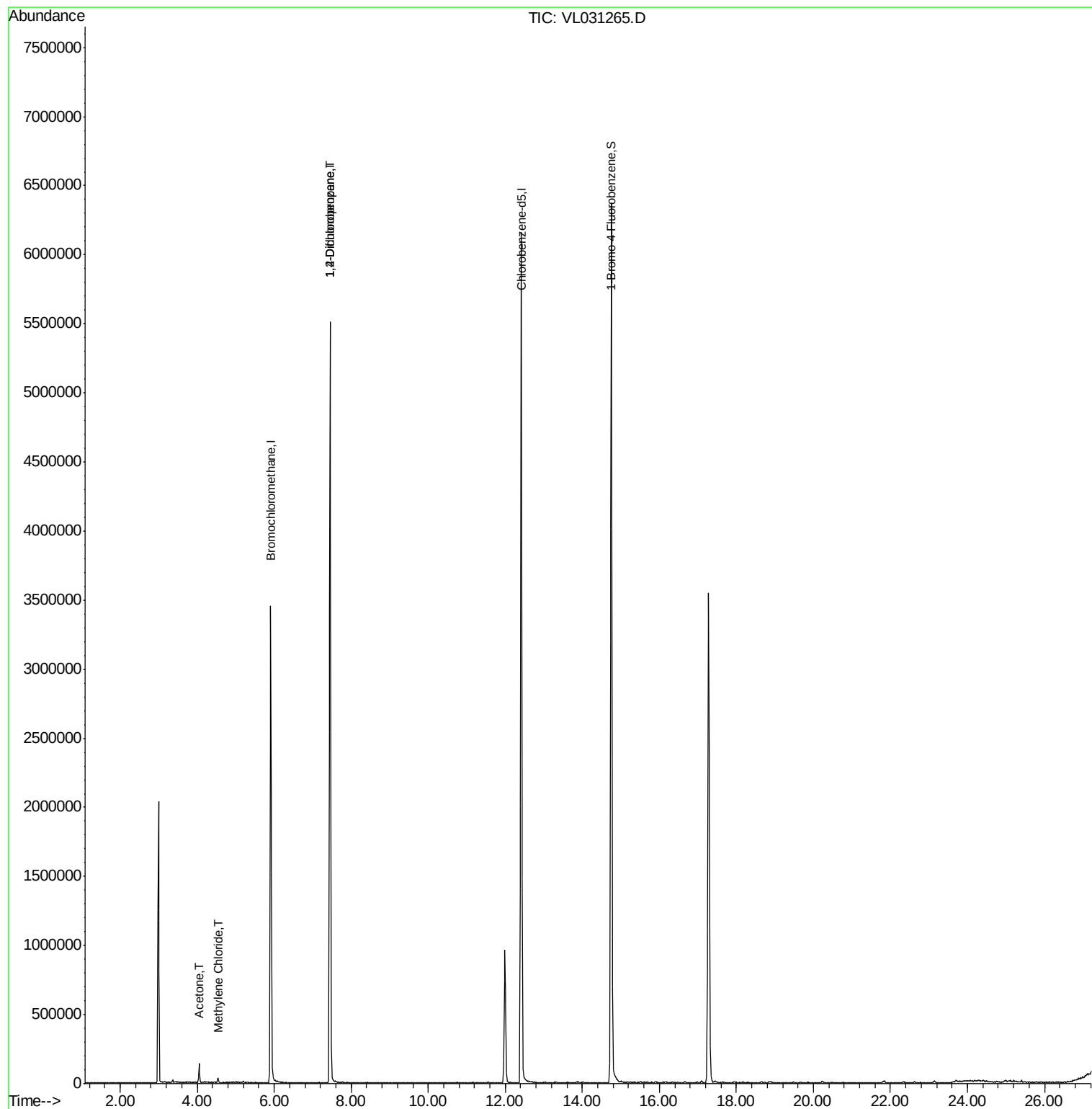
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	4.05	43	56952	0.25	ppbv #	81
20) Methylene Chloride	4.54	84	12215	0.16	ppbv #	80
39) 1,2-Dichloropropane	7.45	63	1028031	6.71	ppbv #	27

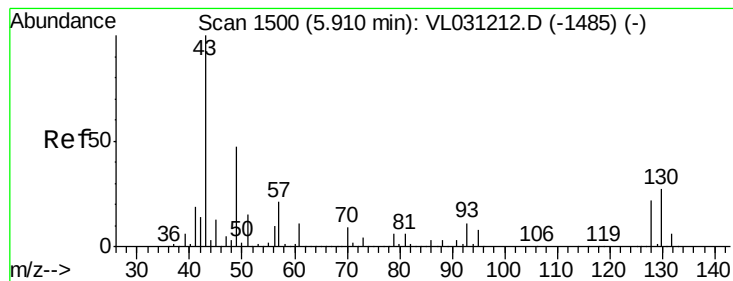
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :
VL1220ABL01

Quant Time: Dec 21 08:32:33 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
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QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

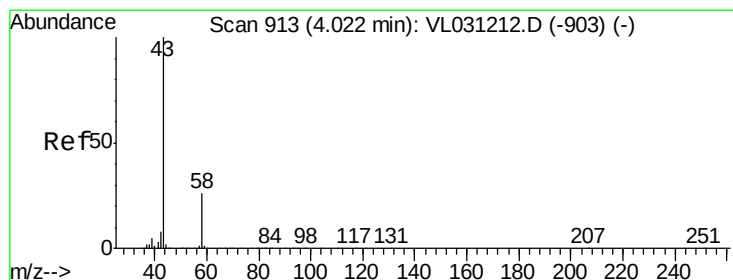
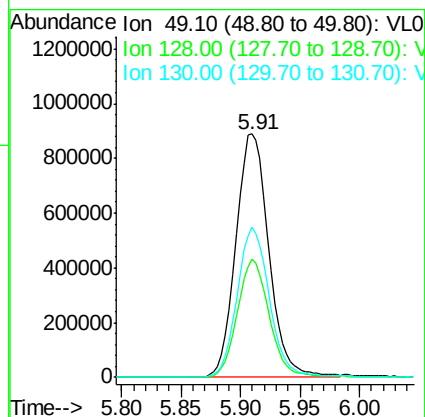
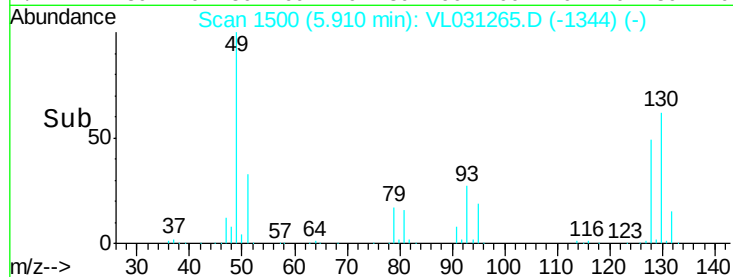
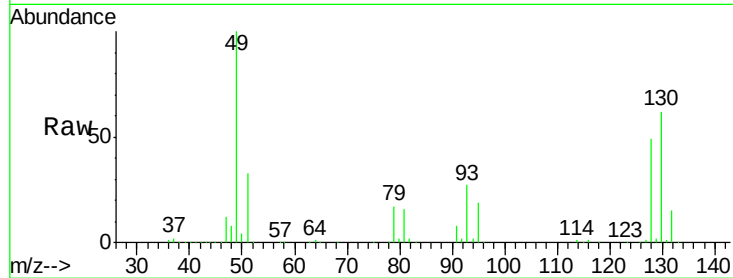
Tgt Ion: 49 Resp: 1709660

Ion Ratio Lower Upper

49 100

128 47.5 23.2 69.5

130 61.0 29.6 88.8



#15

Acetone

Concen: 0.25 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031265.D

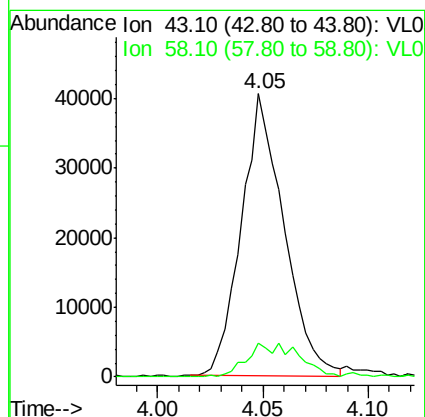
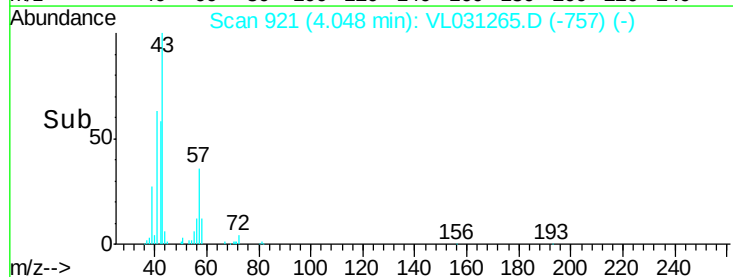
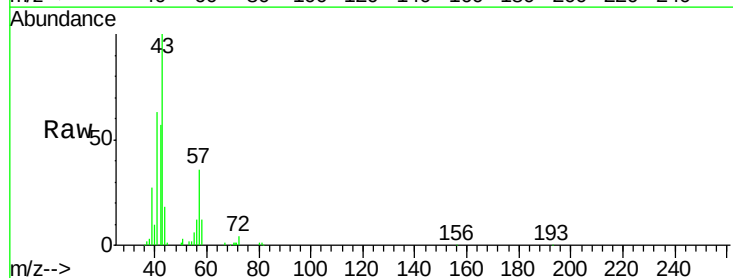
Acq: 20 Dec 2017 11:12

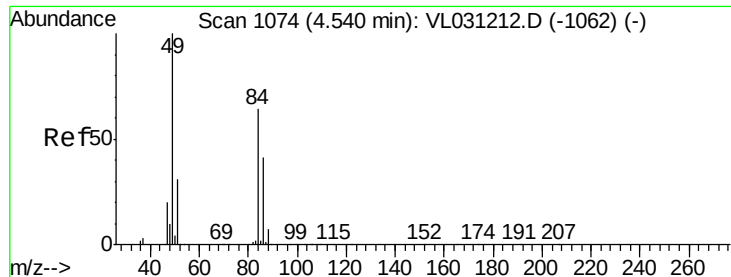
Tgt Ion: 43 Resp: 56952

Ion Ratio Lower Upper

43 100

58 15.6 20.3 30.5#





#20

Methylene Chloride

Concen: 0.16 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

Tgt Ion: 84 Resp: 12215

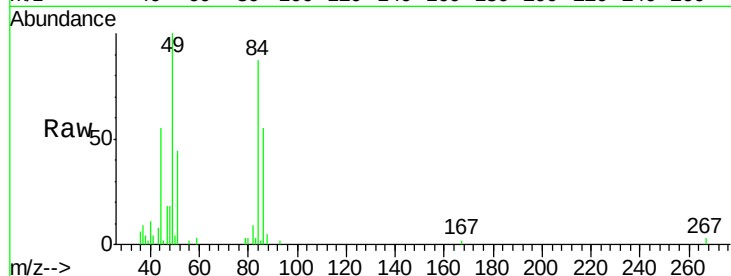
Ion Ratio Lower Upper

84 100

49 114.3 125.8 188.6#

51 50.5 39.3 58.9

86 63.1 51.1 76.7

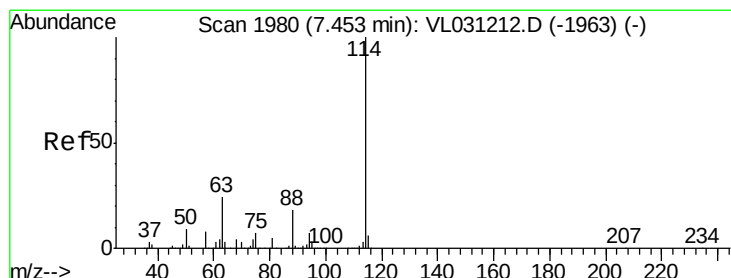
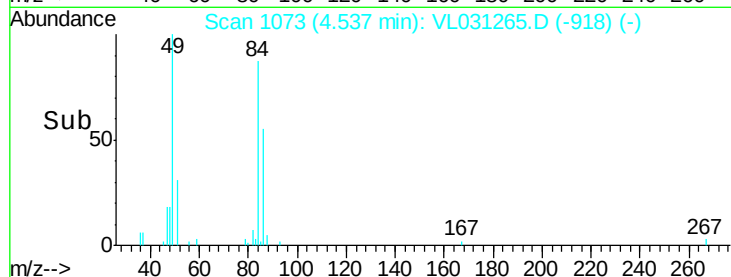
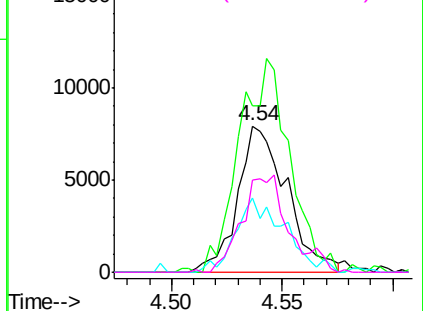


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.45 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

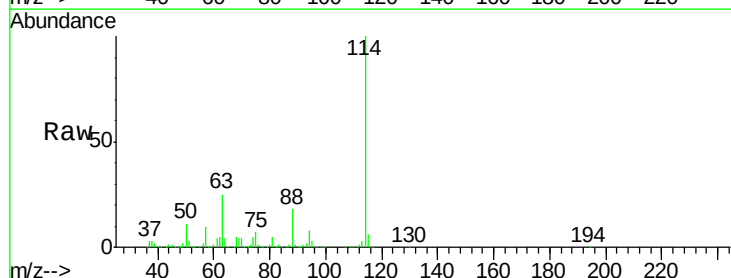
Tgt Ion: 114 Resp: 4088638

Ion Ratio Lower Upper

114 100

63 25.4 19.8 29.8

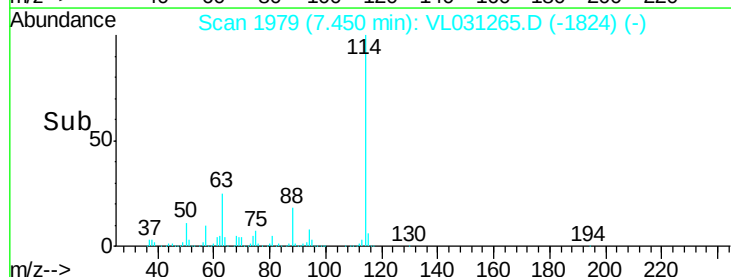
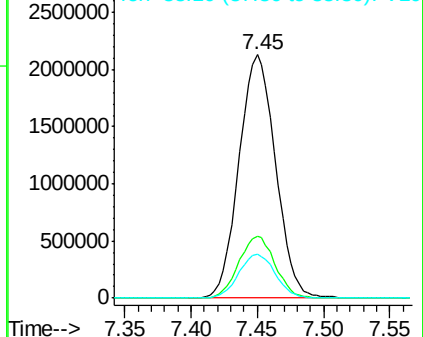
88 18.0 14.2 21.4

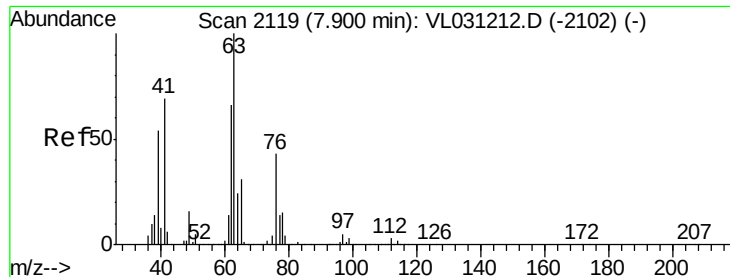


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

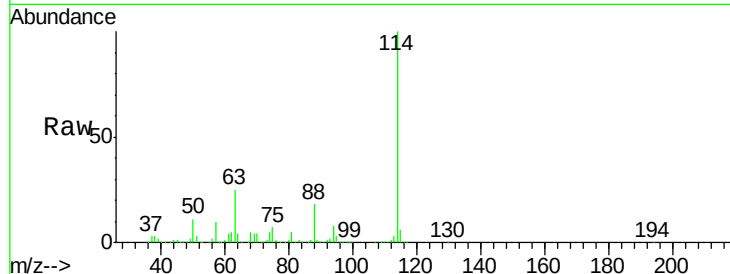




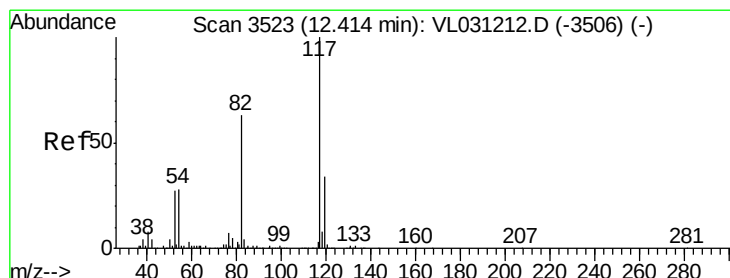
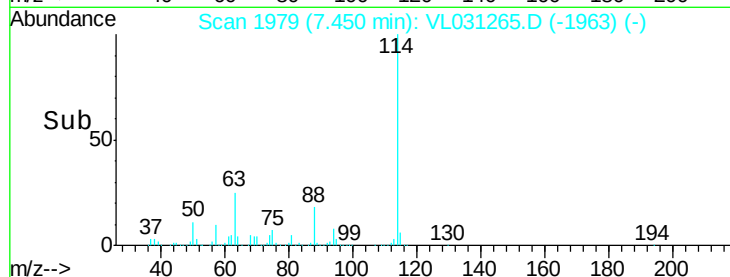
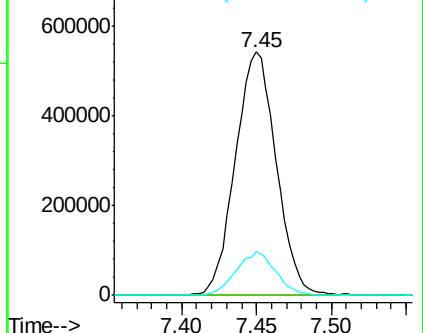
#39
 1,2-Dichloropropane
 Concen: 6.71 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.45 min
 Lab File: VL031265.D
 Acq: 20 Dec 2017 11:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABL01

Tgt Ion: 63 Resp: 1028031
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 18.2 53.0 79.4#

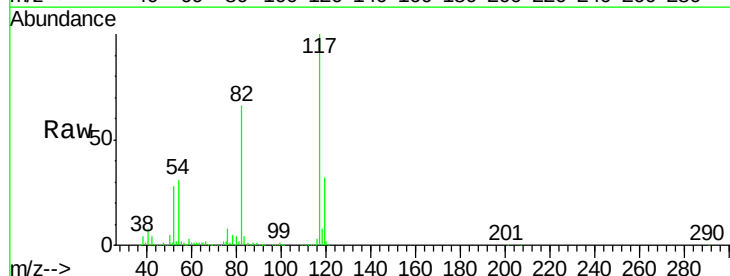


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

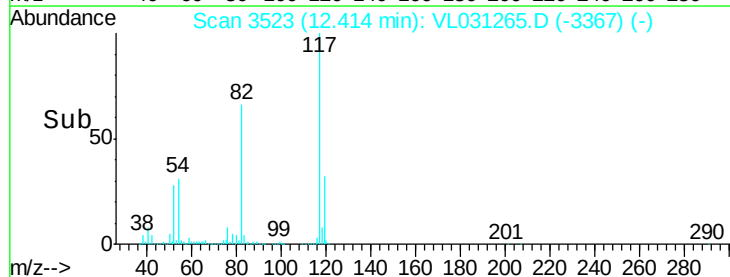
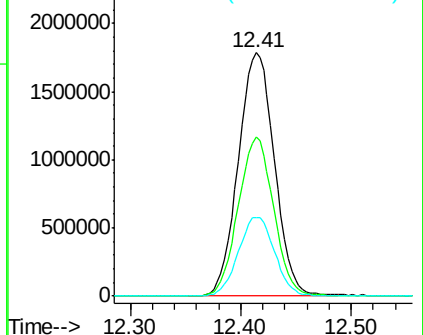


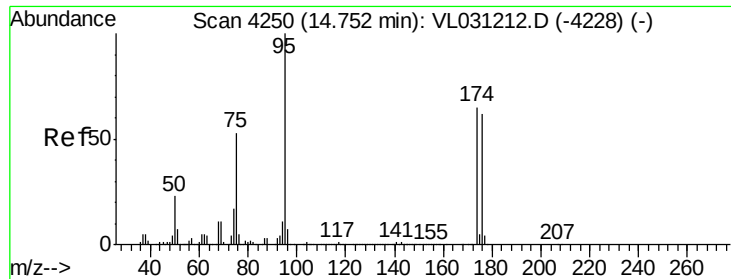
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3523
 Delta R.T. 0.00 min
 Lab File: VL031265.D
 Acq: 20 Dec 2017 11:12

Tgt Ion: 117 Resp: 4064660
 Ion Ratio Lower Upper
 117 100
 82 64.4 48.1 72.1
 119 32.9 23.1 34.7



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.19 ppbv

RT: 14.75 min Scan# 4250

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

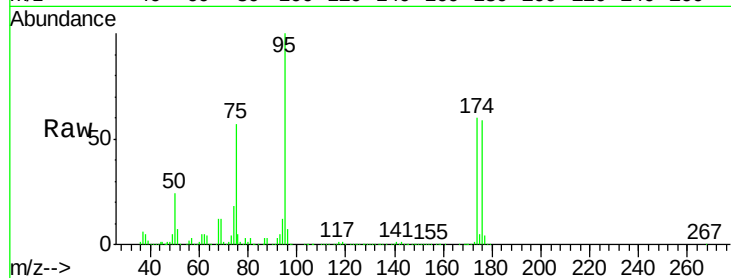
Tgt Ion: 95 Resp: 3233938

Ion Ratio Lower Upper

95 100

174 62.5 52.5 78.7

175 4.6 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

