

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031235.D
 Acq On : 14 Dec 2017 17:07
 Operator : SY/AP
 Sample : I6907-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Quant Time: Dec 15 07:08:16 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	1653614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3886401	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4113874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3188983	10.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.00%

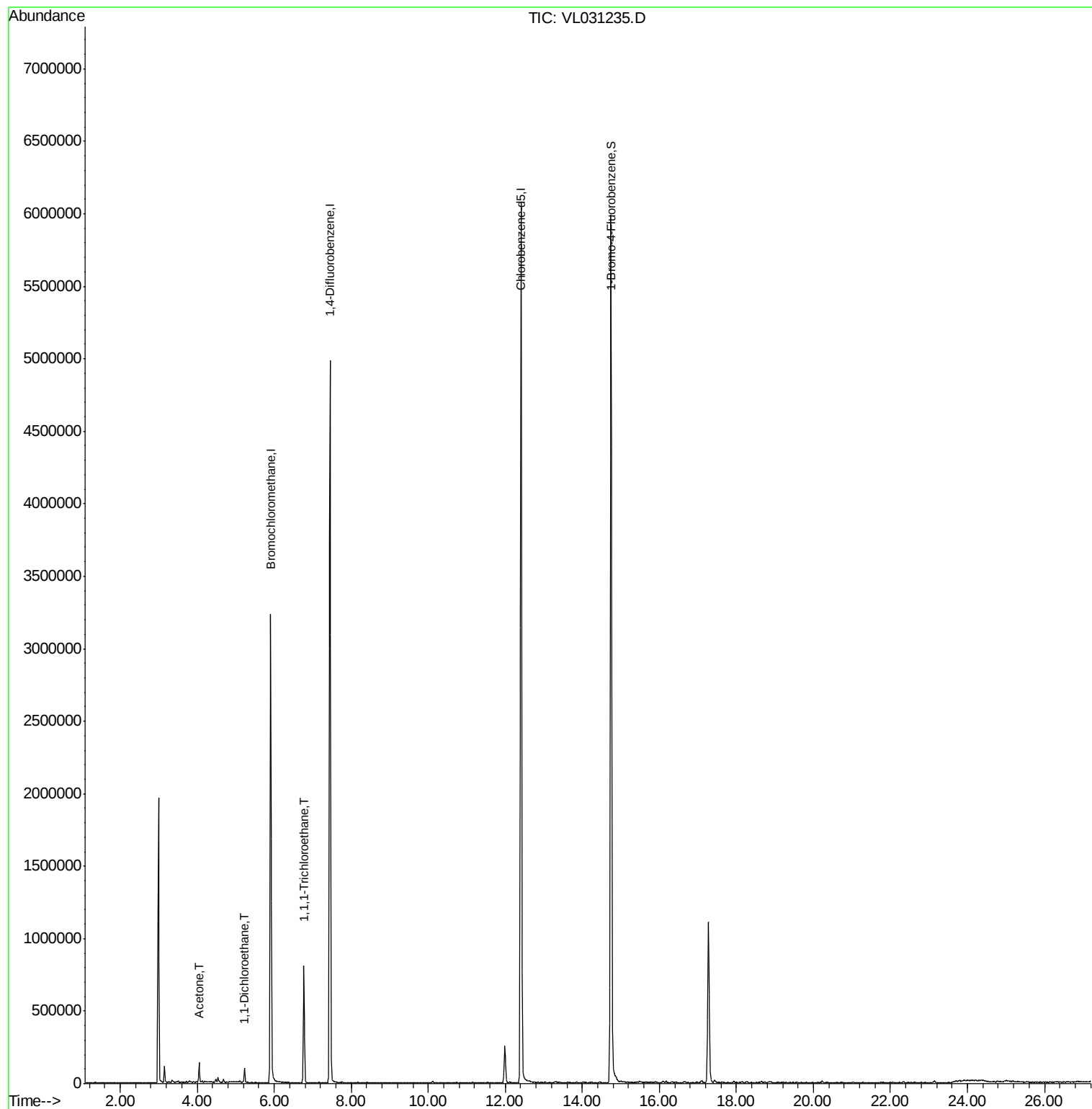
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	4.05	43	56275	0.26	ppbv	# 72
24) 1,1-Dichloroethane	5.23	63	77994	0.31	ppbv	98
32) 1,1,1-Trichloroethane	6.77	97	507929	1.66	ppbv	99

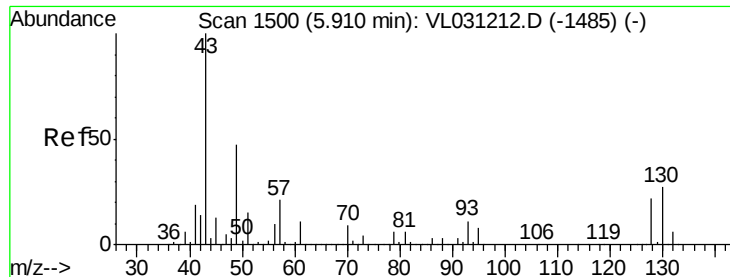
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1499

Delta R.T. -0.00 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

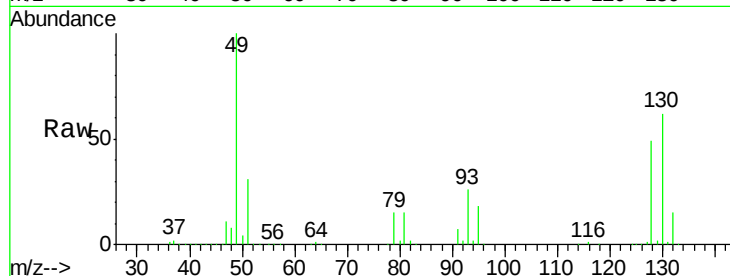
Tot Ion: 49 Resp: 1653614

Ion Ratio Lower Upper

49 100

128 48.9 23.2 69.5

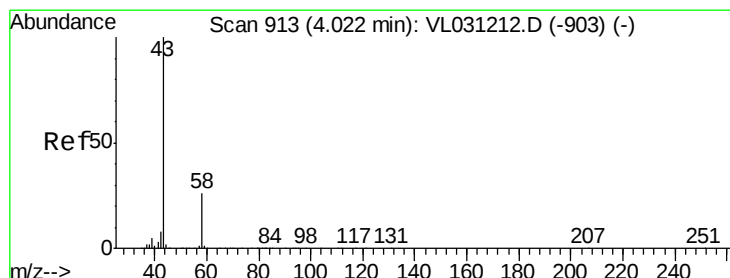
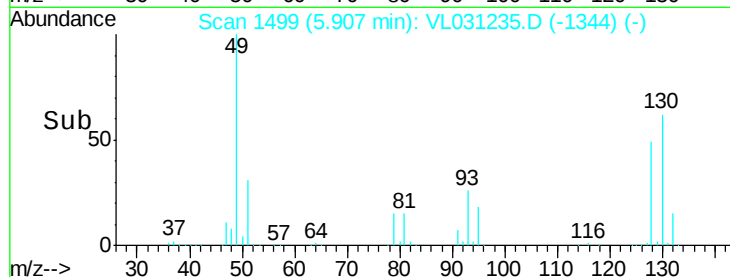
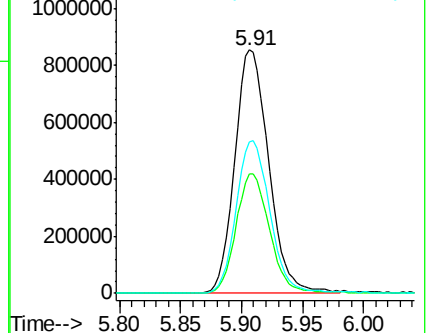
130 63.0 29.6 88.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.26 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031235.D

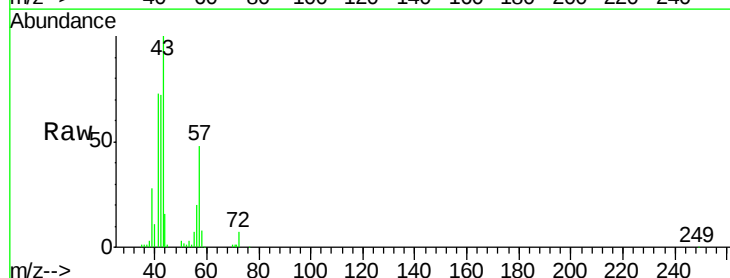
Acq: 14 Dec 2017 17:07

Tgt Ion: 43 Resp: 56275

Ion Ratio Lower Upper

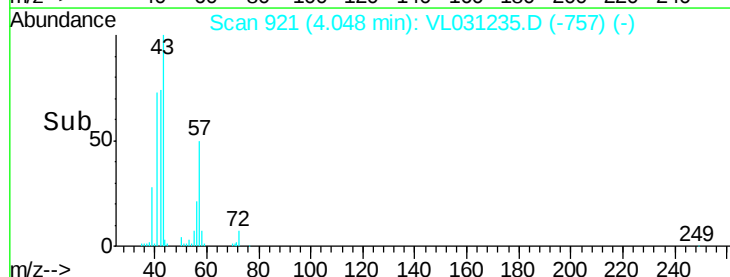
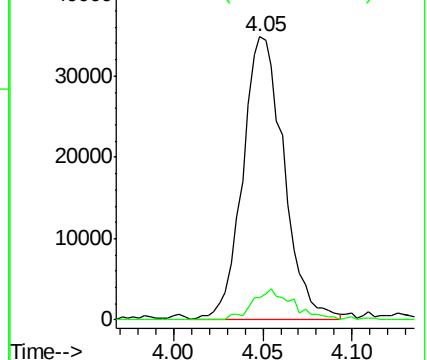
43 100

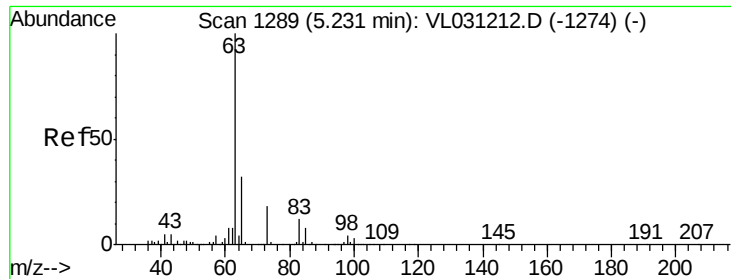
58 11.1 20.3 30.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

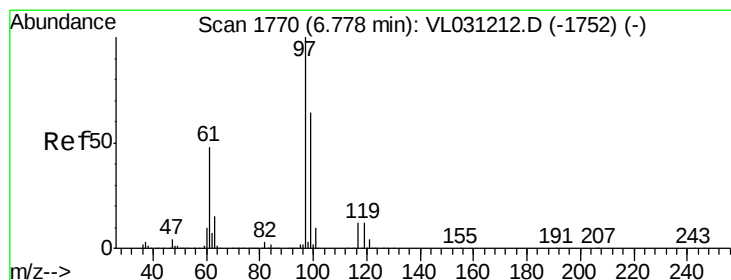
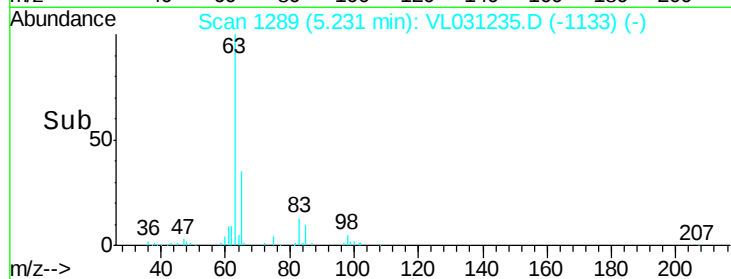
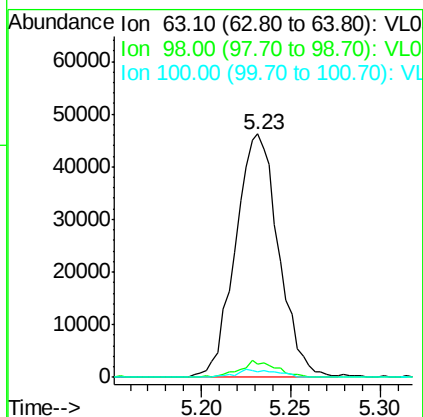
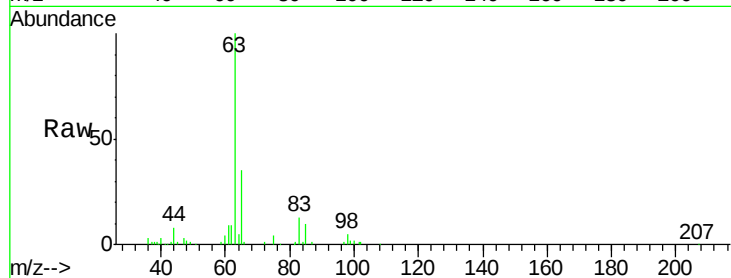




#24
 1,1-Dichloroethane
 Concen: 0.31 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VL031235.D
 Acq: 14 Dec 2017 17:07

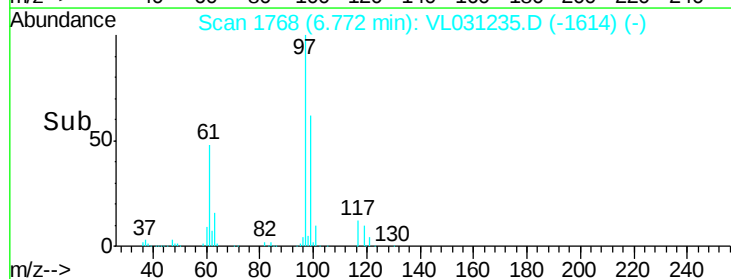
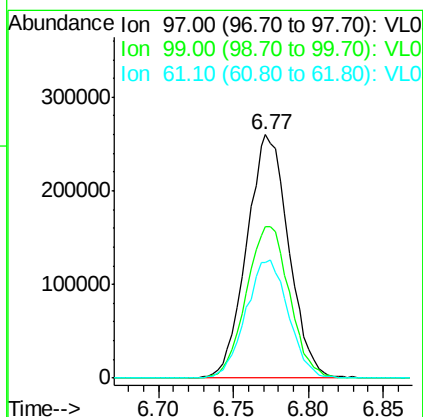
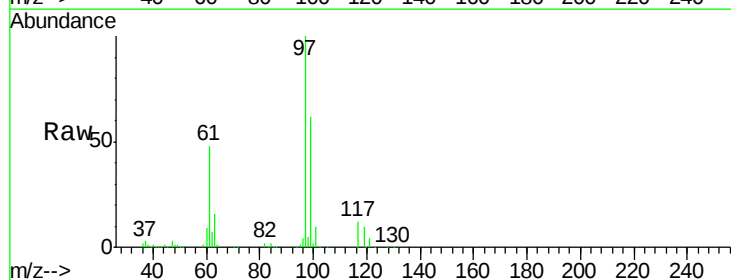
Instrument :
 MSVOA_L
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 EFFLUENTDL

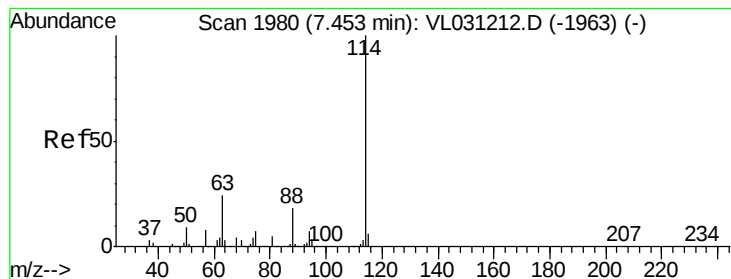
Tot Ion: 63 Resp: 77994
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.3 6.8
 100 2.3 1.4 4.2



#32
 1,1,1-Trichloroethane
 Concen: 1.66 ppbv
 RT: 6.77 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: VL031235.D
 Acq: 14 Dec 2017 17:07

Tgt Ion: 97 Resp: 507929
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.0
 61 49.2 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.45 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

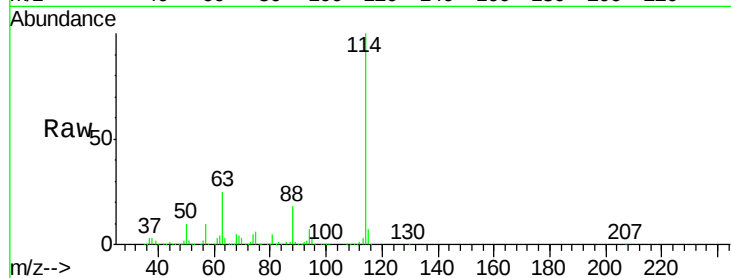
Tot Ion:114 Resp: 3886401

Ion Ratio Lower Upper

114 100

63 24.2 19.8 29.8

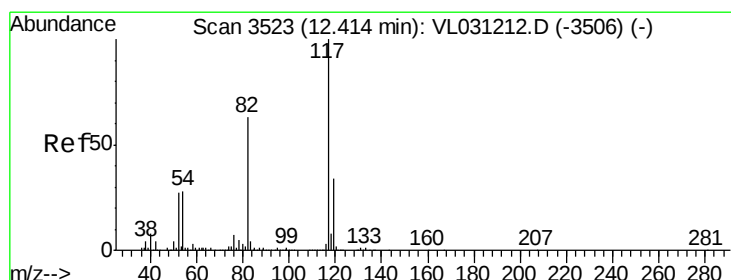
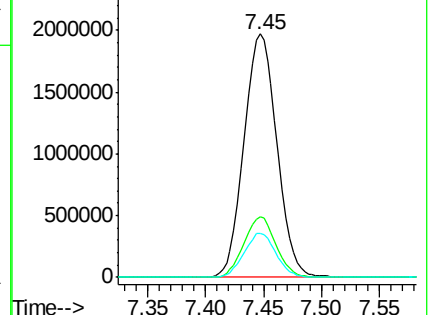
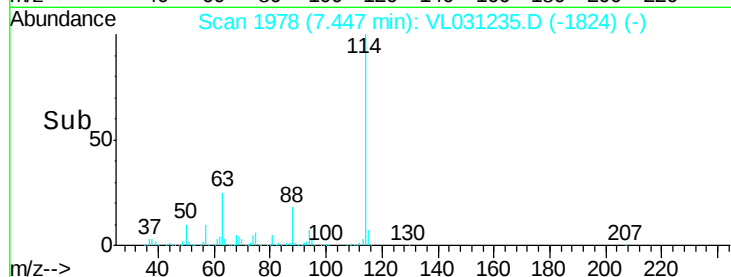
88 17.6 14.2 21.4



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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

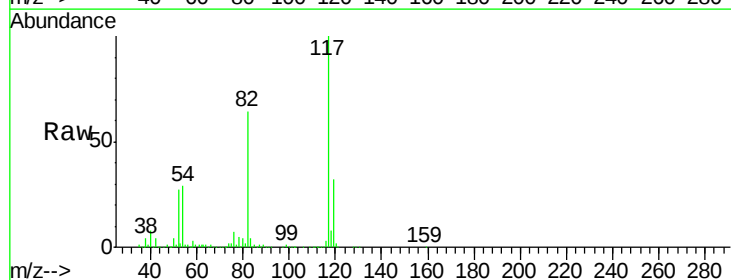
Tgt Ion:117 Resp: 4113874

Ion Ratio Lower Upper

117 100

82 64.3 48.1 72.1

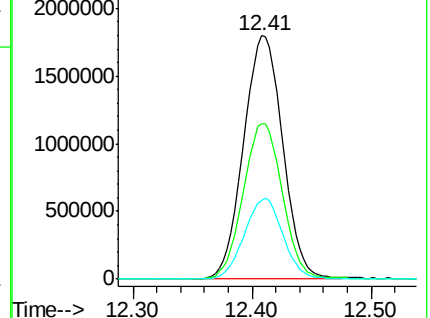
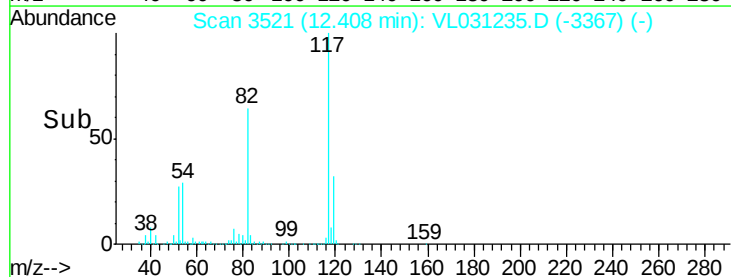
119 32.7 23.1 34.7

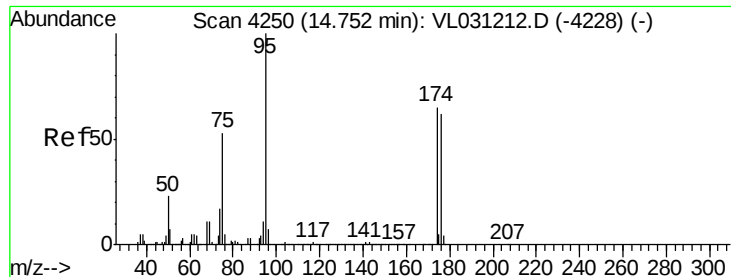


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.90 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.01 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

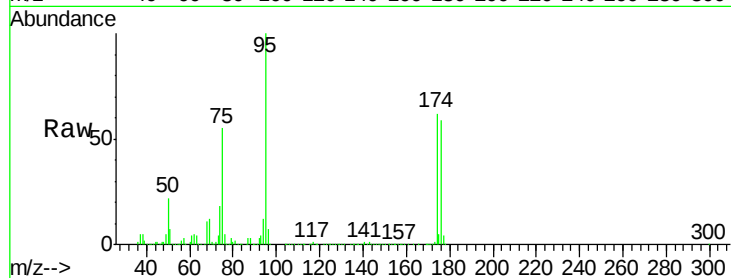
Tot Ion: 95 Resp: 3188983

Ion Ratio Lower Upper

95 100

174 63.0 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

