

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031232.D
 Acq On : 14 Dec 2017 15:10
 Operator : SY/AP
 Sample : I6907-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Quant Time: Dec 15 06:38:10 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1651598	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3971350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4041501	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3159429	10.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.90%

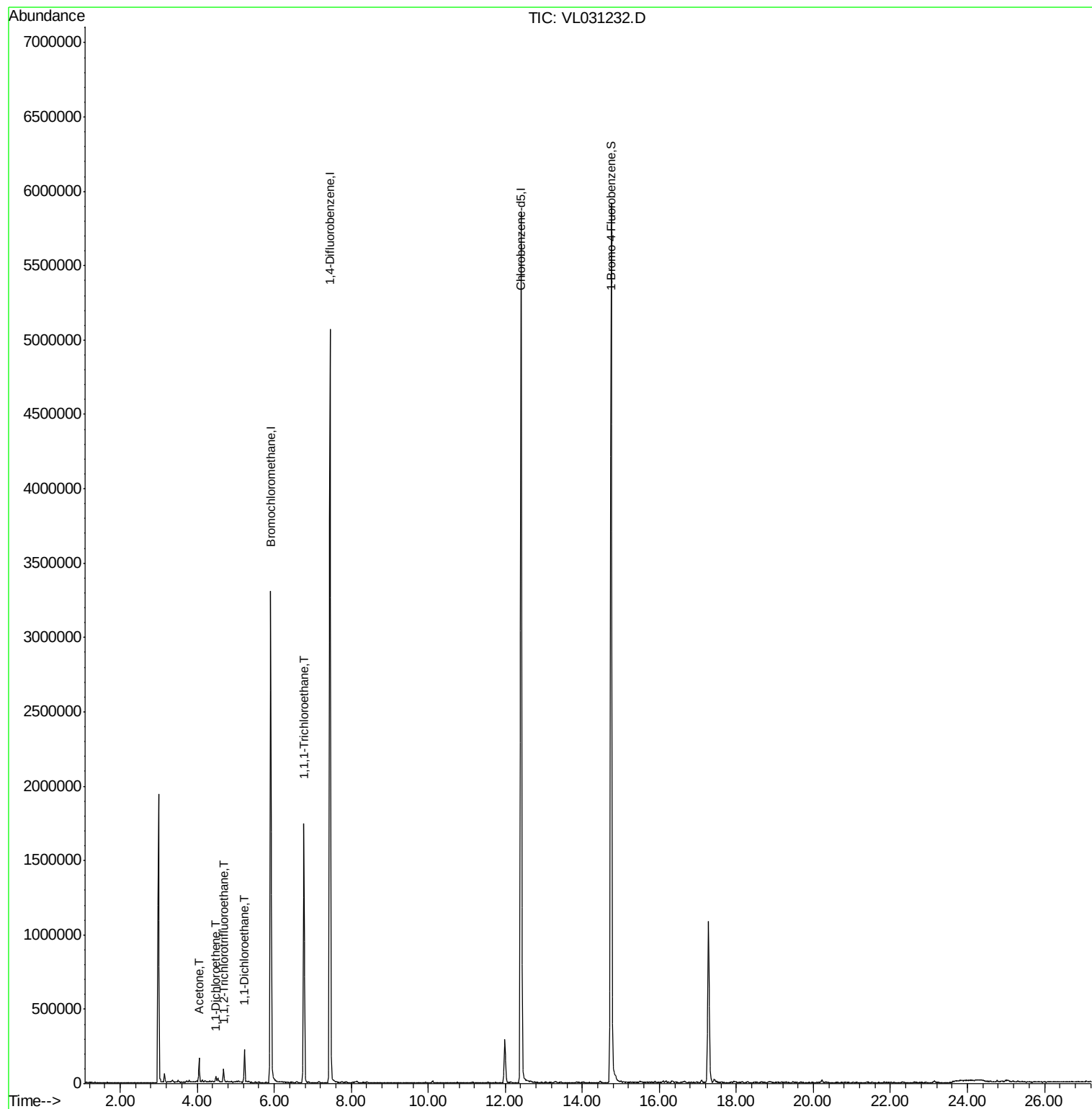
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1,2-Trichlorotrifluoroet	4.69	101	29223	0.18	ppbv	93
15) Acetone	4.05	43	68119	0.31	ppbv #	74
18) 1,1-Dichloroethene	4.49	96	10910	0.15	ppbv #	68
24) 1,1-Dichloroethane	5.23	63	180859	0.71	ppbv	99
32) 1,1,1-Trichloroethane	6.77	97	1102476	3.62	ppbv	99

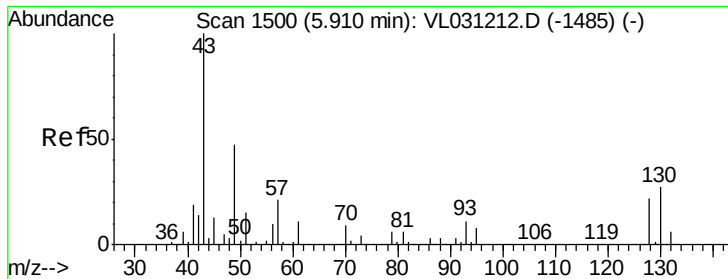
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL031232.D

Acq: 14 Dec 2017 15:10

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

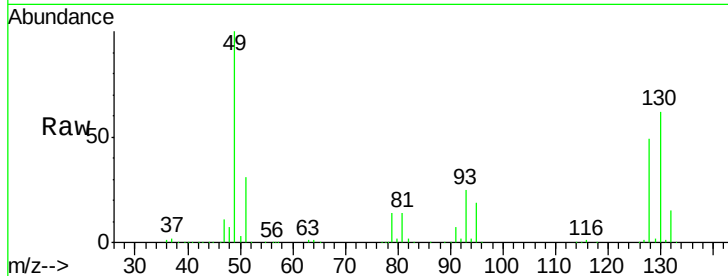
Tot Ion: 49 Resp: 1651598

Ion Ratio Lower Upper

49 100

128 48.9 23.2 69.5

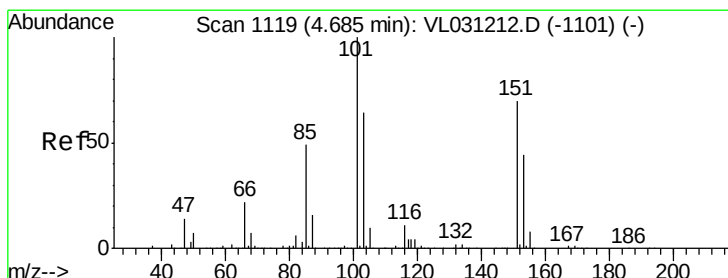
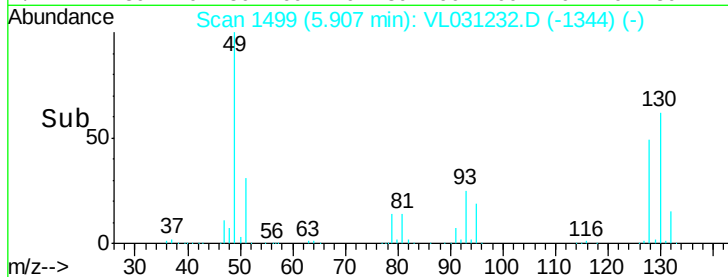
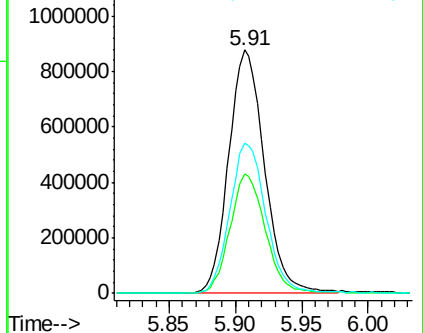
130 63.1 29.6 88.8



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



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.18 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL031232.D

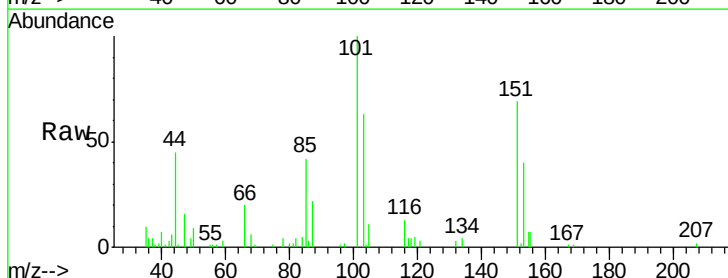
Acq: 14 Dec 2017 15:10

Tgt Ion:101 Resp: 29223

Ion Ratio Lower Upper

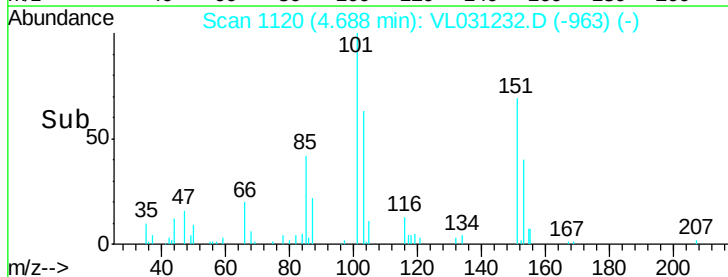
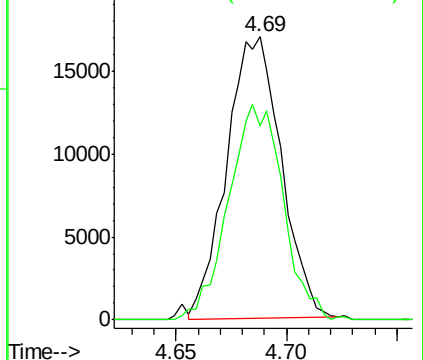
101 100

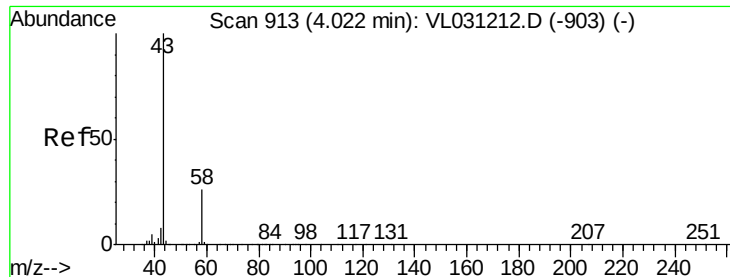
151 76.4 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#15

Acetone

Concen: 0.31 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031232.D

Acq: 14 Dec 2017 15:10

Instrument :

MSVOA_L

ClientSampleId :

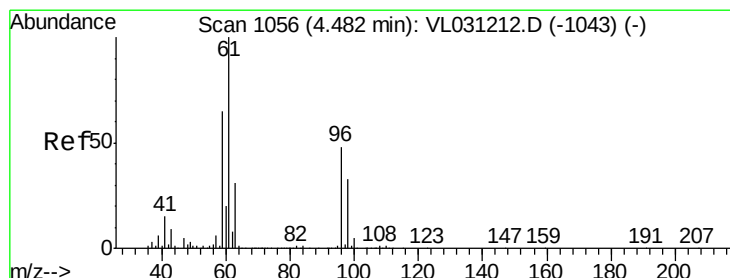
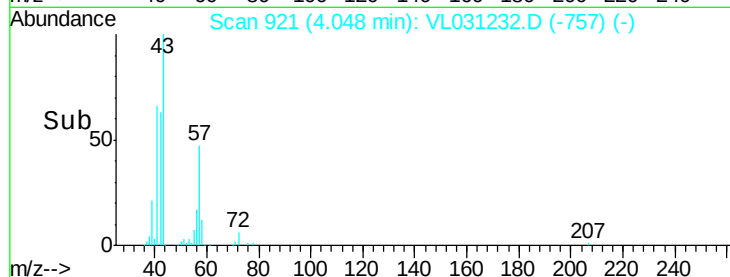
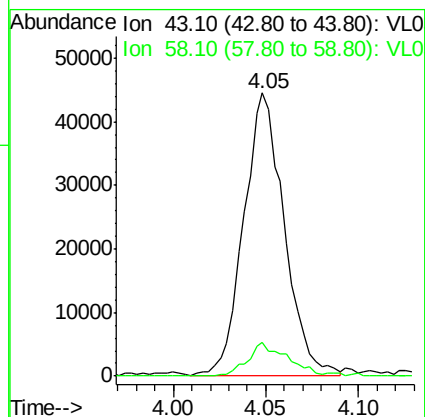
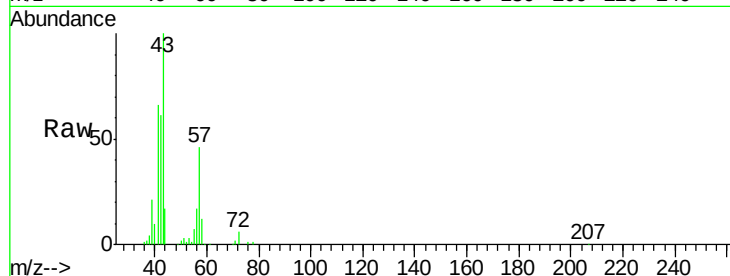
MIDDLE

Tot Ion: 43 Resp: 68119

Ion Ratio Lower Upper

43 100

58 12.2 20.3 30.5#



#18

1,1-Dichloroethene

Concen: 0.15 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VL031232.D

Acq: 14 Dec 2017 15:10

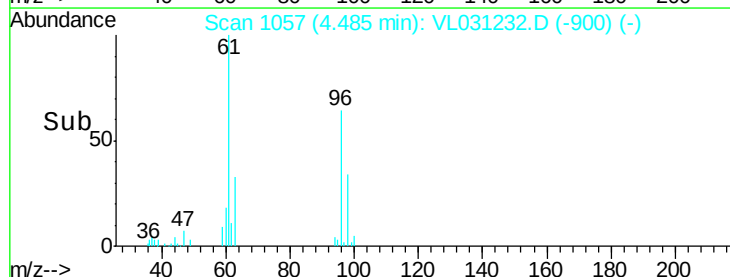
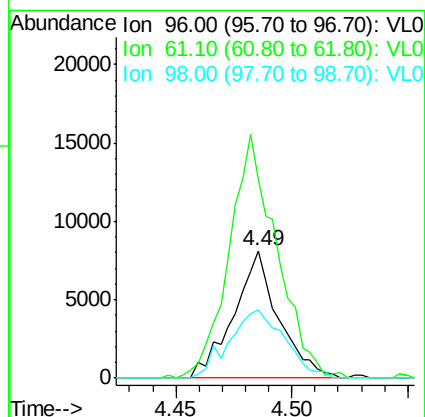
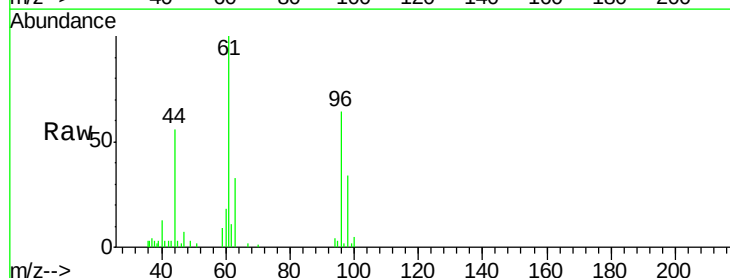
Tgt Ion: 96 Resp: 10910

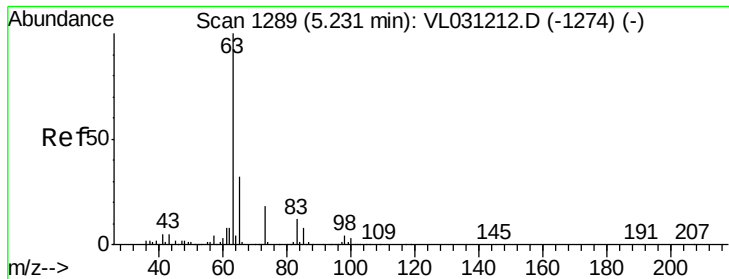
Ion Ratio Lower Upper

96 100

61 151.6 166.8 250.2#

98 53.1 55.0 82.6#





#24

1,1-Dichloroethane

Concen: 0.71 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VL031232.D

Acq: 14 Dec 2017 15:10

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

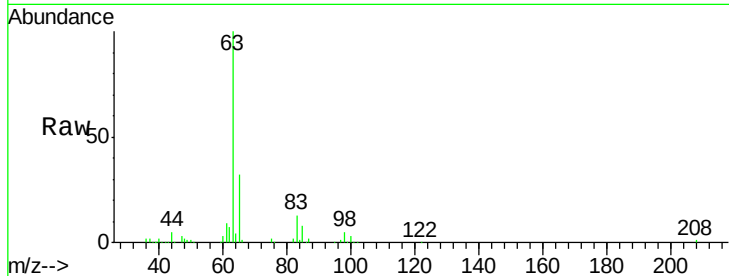
Tot Ion: 63 Resp: 180859

Ion Ratio Lower Upper

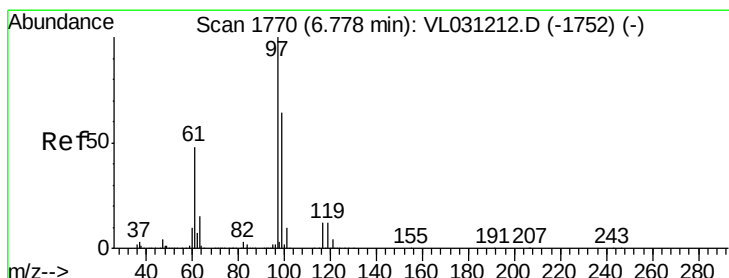
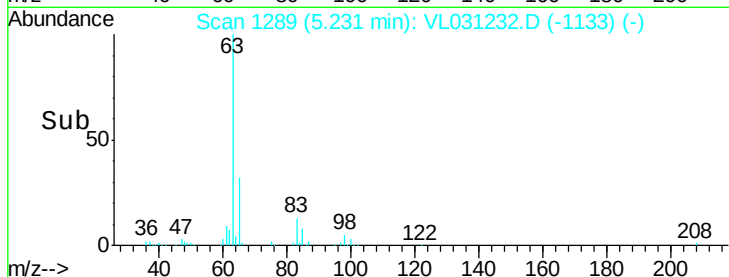
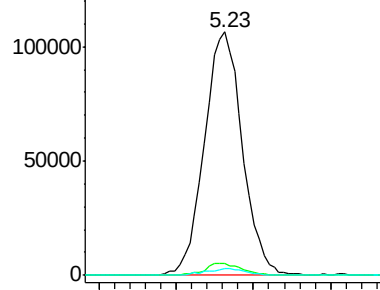
63 100

98 4.8 2.3 6.8

100 3.0 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#32

1,1,1-Trichloroethane

Concen: 3.62 ppbv

RT: 6.77 min Scan# 1768

Delta R.T. -0.01 min

Lab File: VL031232.D

Acq: 14 Dec 2017 15:10

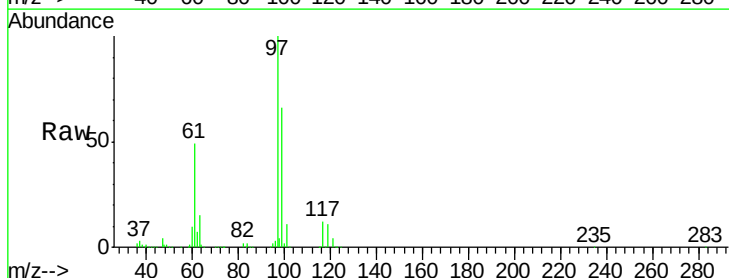
Tgt Ion: 97 Resp: 1102476

Ion Ratio Lower Upper

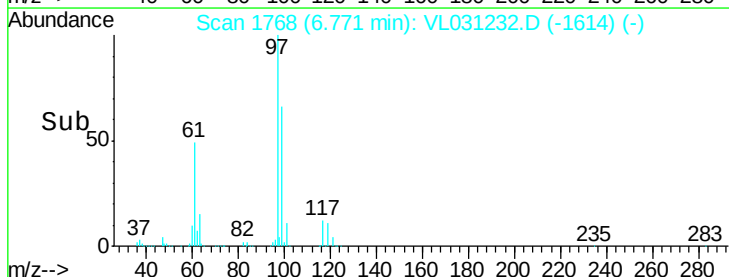
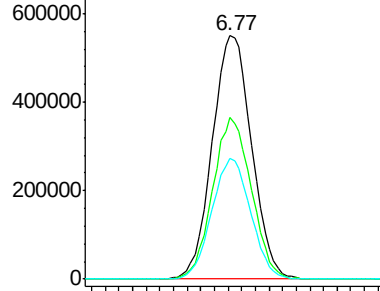
97 100

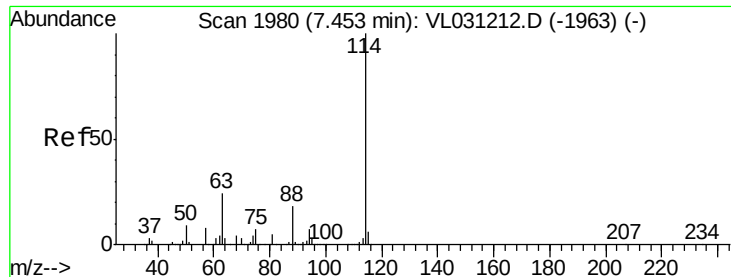
99 65.1 51.4 77.0

61 49.0 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

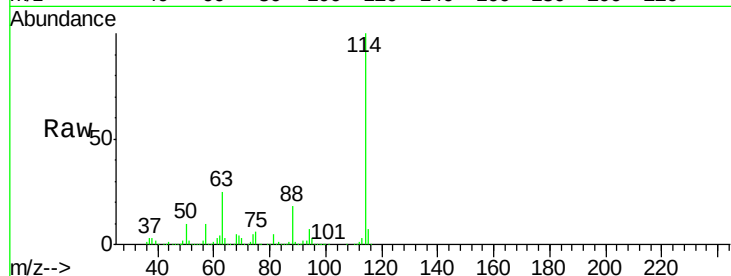




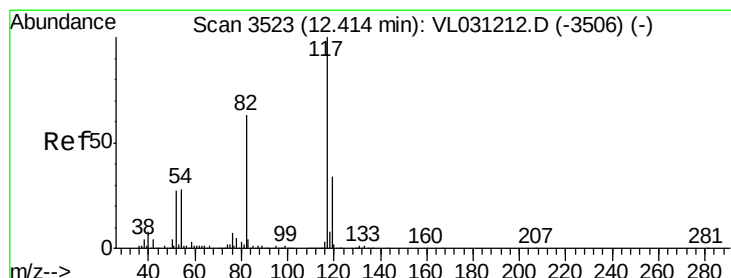
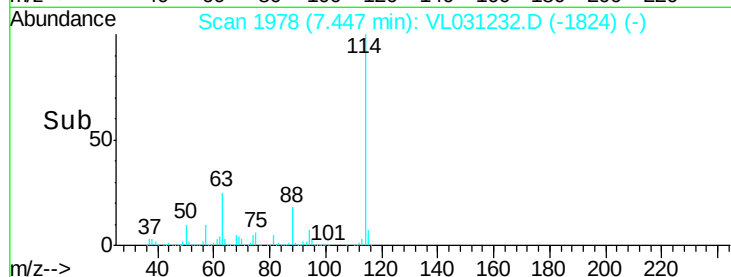
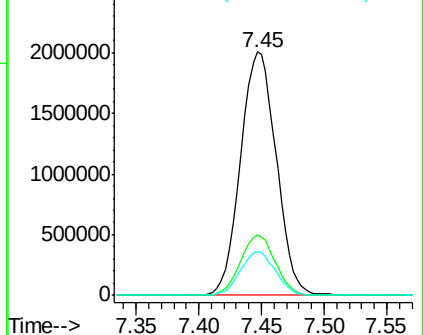
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: VL031232.D
 Acq: 14 Dec 2017 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion:114 Resp: 3971350
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.8 29.8
 88 17.6 14.2 21.4

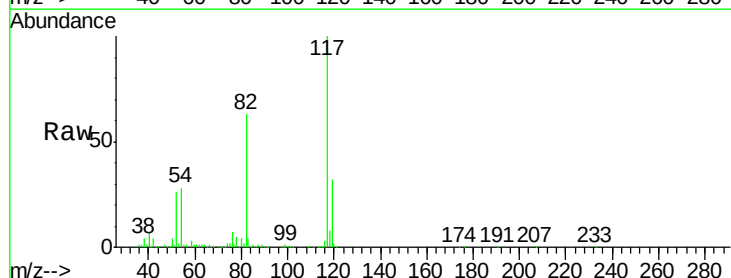


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

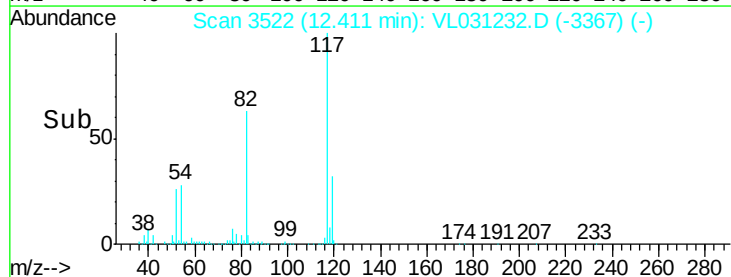
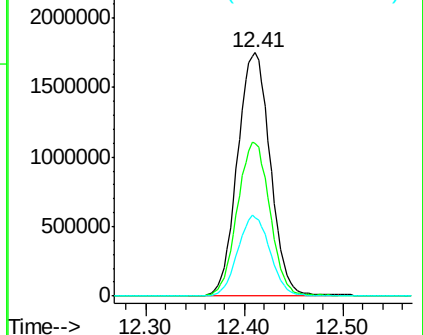


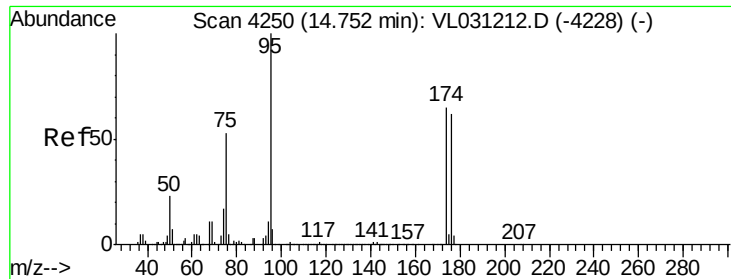
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3522
 Delta R.T. -0.00 min
 Lab File: VL031232.D
 Acq: 14 Dec 2017 15:10

Tgt Ion:117 Resp: 4041501
 Ion Ratio Lower Upper
 117 100
 82 63.2 48.1 72.1
 119 32.8 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: 10.99 ppbv

RT: 14.75 min Scan# 4249

Delta R.T. -0.00 min

Lab File: VL031232.D

Acq: 14 Dec 2017 15:10

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 95 Resp: 3159429

Ion Ratio Lower Upper

95 100

174 63.8 52.5 78.7

175 4.8 4.1 6.1

