

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031223.D
 Acq On : 14 Dec 2017 9:13
 Operator : SY/AP
 Sample : I6769-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 05:13:41 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	1764234	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	4190618	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4340192	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3233020	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

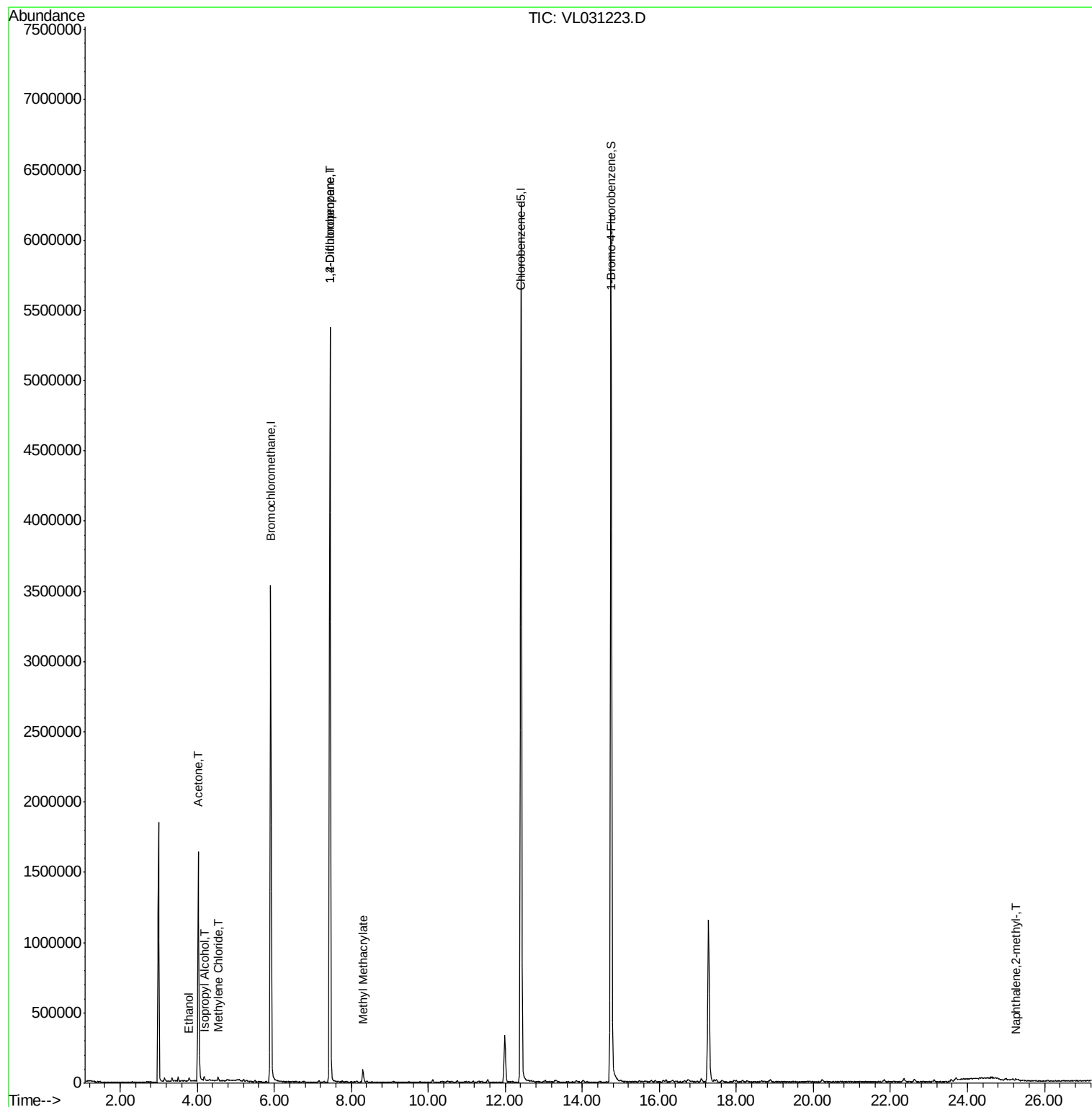
Target Compounds					Ovalue
13) Ethanol	3.79	45	24671	0.869 ppbv	98
15) Acetone	4.03	43	1878769	8.069 ppbv	100
19) Isopropyl Alcohol	4.18	45	29444	0.200 ppbv #	41
20) Methylene Chloride	4.54	84	8631	0.112 ppbv	97
39) 1,2-Dichloropropane	7.45	63	1004543	6.397 ppbv #	26
43) Methyl Methacrylate	8.30	69	34904	0.235 ppbv	93
80) Naphthalene,2-methyl-	25.26	142	12051	0.067 ppbv	90

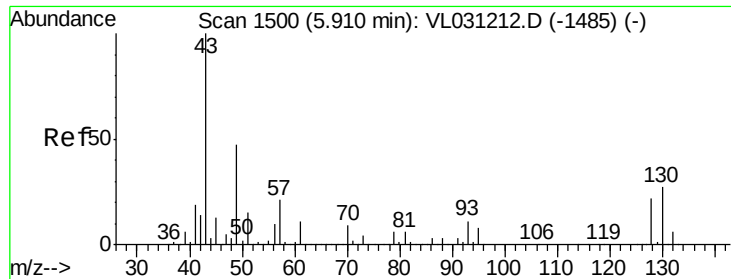
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 10.000 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

Instrument :
MSVOA_L
ClientSampleId :

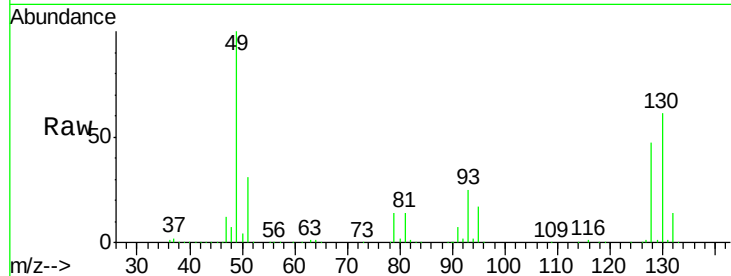
Tot Ion: 49 Resp: 1764234

Ion	Ratio	Lower	Upper
49	100		
128	49.1	23.2	69.5
130	62.4	29.6	88.8

49 100

128 49.1 23.2 69.5

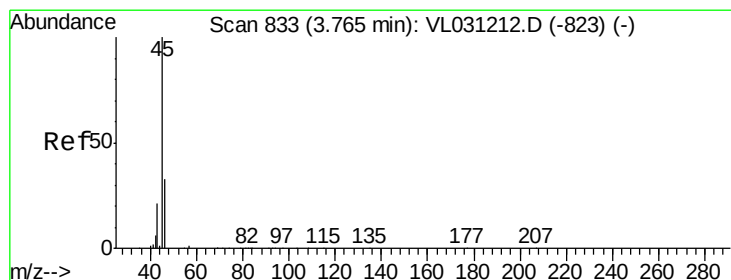
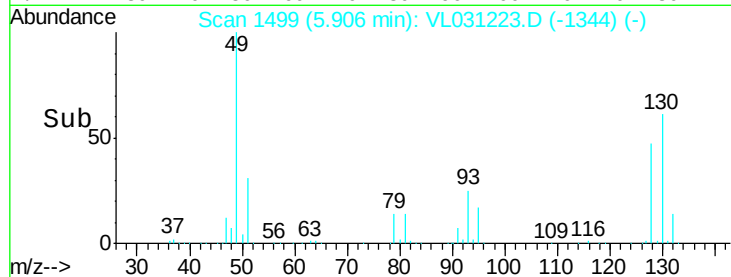
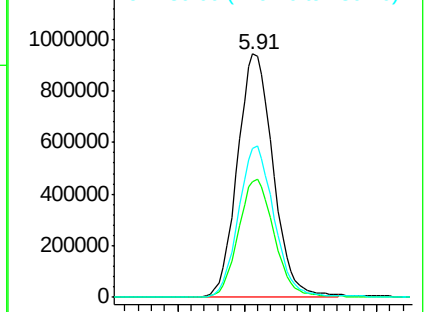
130 62.4 29.6 88.8



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



#13

Ethanol

Concen: 0.869 ppbv

RT: 3.79 min Scan# 840

Delta R.T. 0.02 min

Lab File: VL031223.D

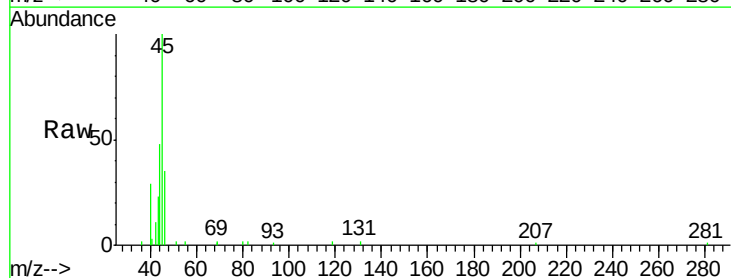
Acq: 14 Dec 2017 9:13

Tgt Ion: 45 Resp: 24671

Ion	Ratio	Lower	Upper
45	100		
46	37.9	14.6	58.4

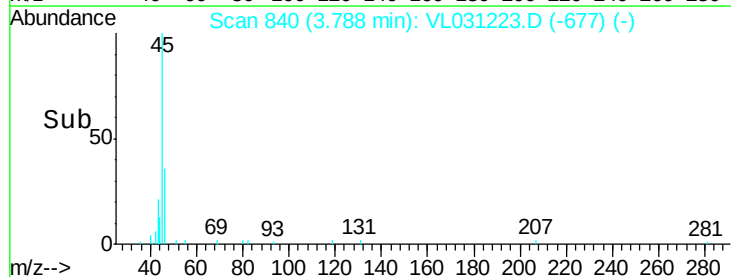
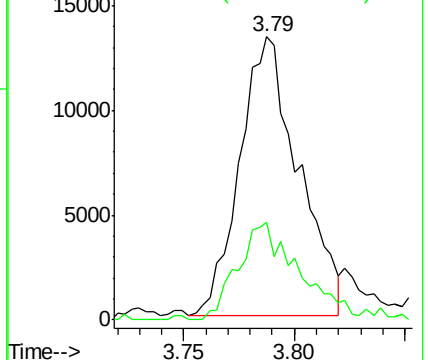
45 100

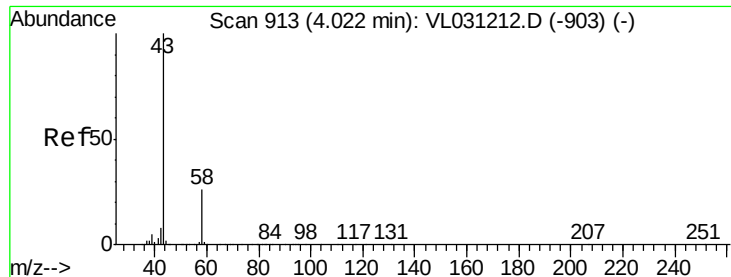
46 37.9 14.6 58.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 8.069 ppbv

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

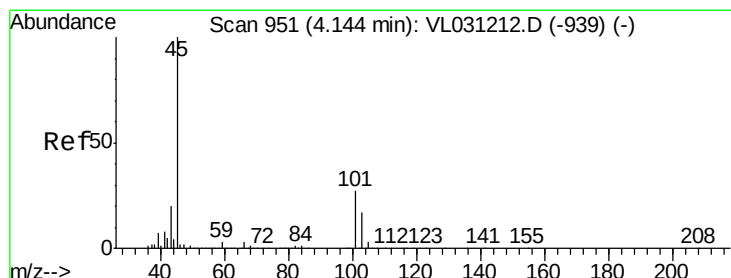
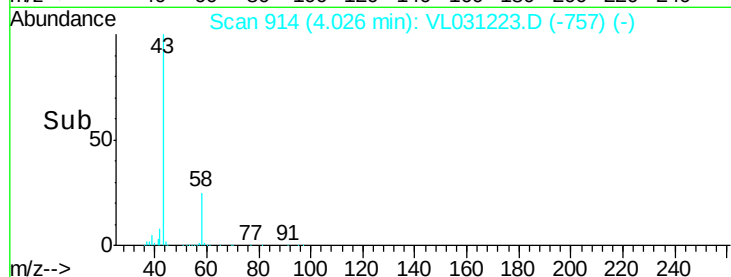
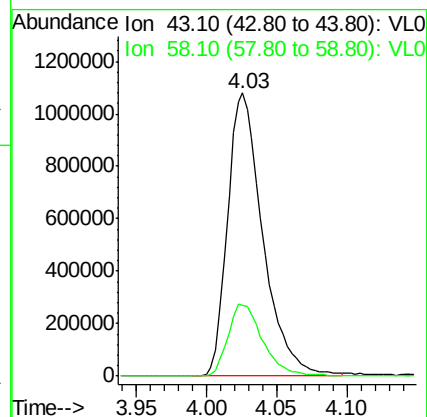
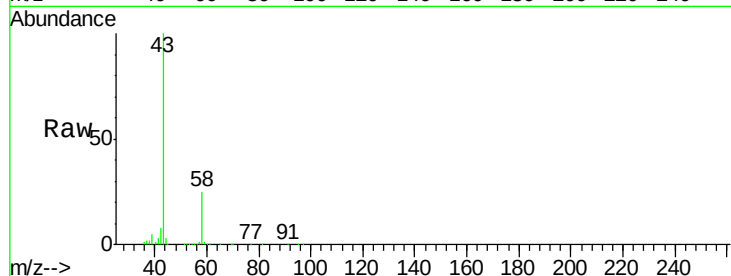
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1878769

Ion Ratio Lower Upper

43 100

58 25.6 20.3 30.5



#19

Isopropyl Alcohol

Concen: 0.200 ppbv

RT: 4.18 min Scan# 963

Delta R.T. 0.04 min

Lab File: VL031223.D

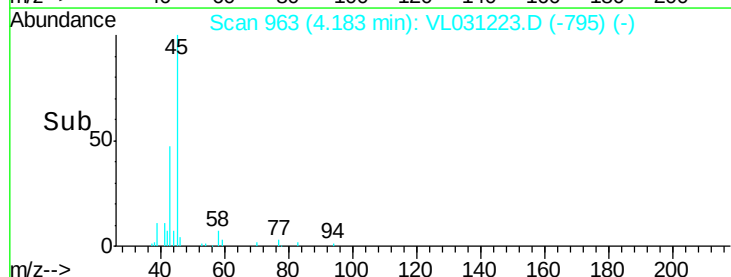
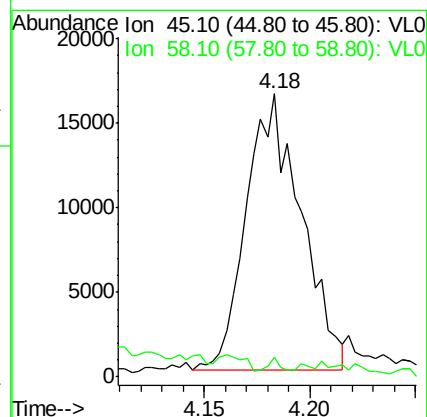
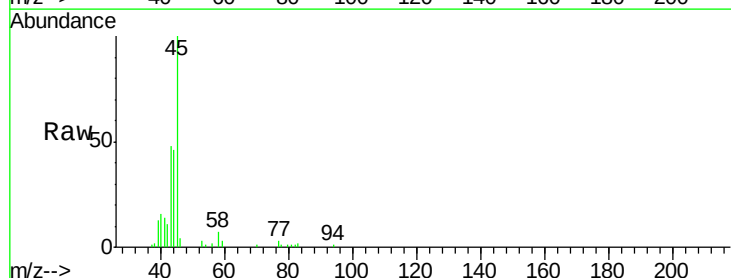
Acq: 14 Dec 2017 9:13

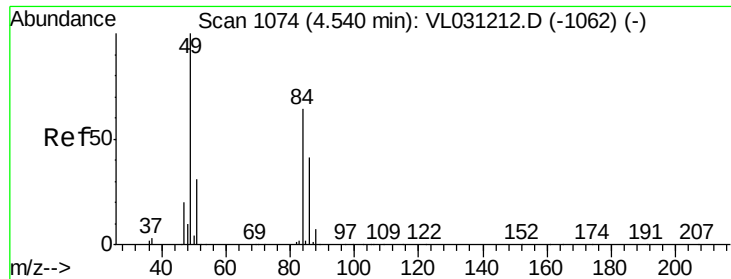
Tgt Ion: 45 Resp: 29444

Ion Ratio Lower Upper

45 100

58 0.0 27.2 40.8#

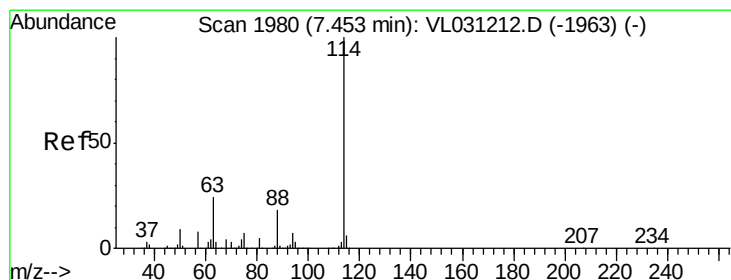
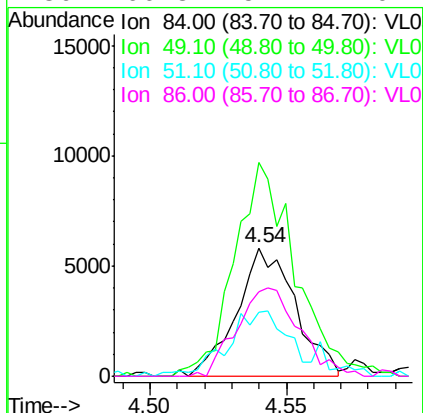
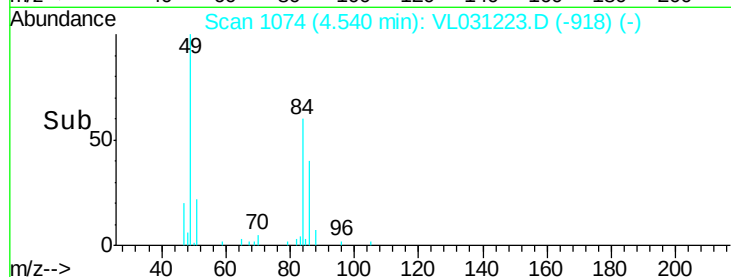
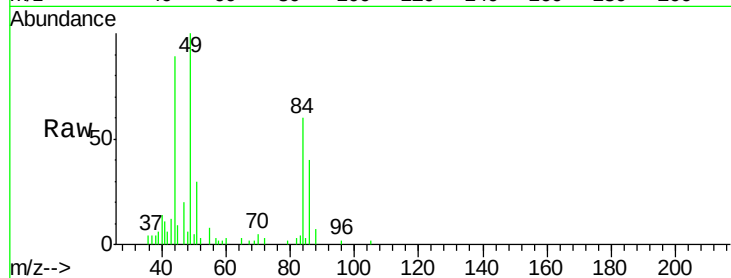




#20
Methylene Chloride
Concen: 0.112 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031223.D
Acq: 14 Dec 2017 9:13

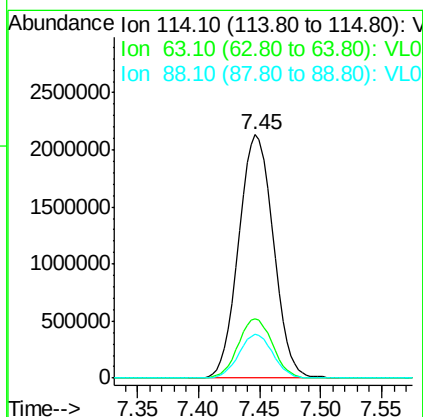
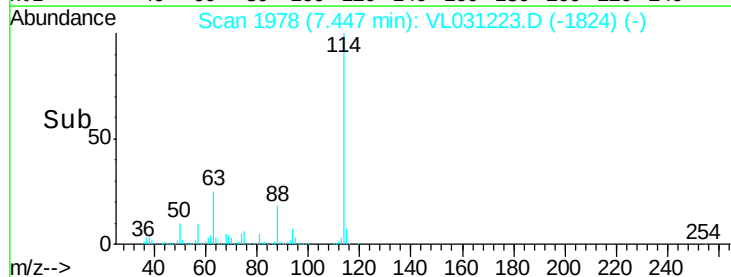
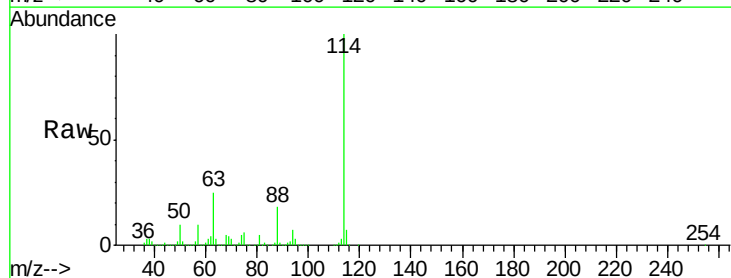
Instrument :
MSVOA_L
ClientSampleId :

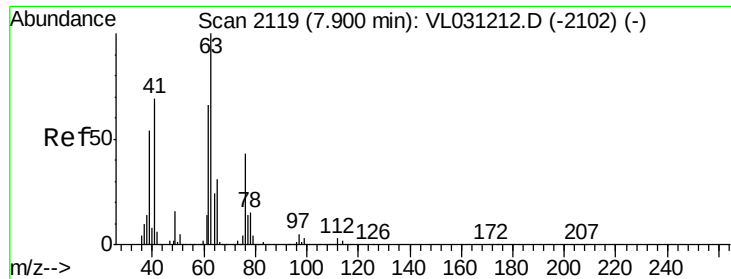
Tot Ion: 84 Resp: 8631
Ion Ratio Lower Upper
84 100
49 159.5 125.8 188.6
51 46.1 39.3 58.9
86 66.3 51.1 76.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031223.D
Acq: 14 Dec 2017 9:13

Tgt Ion:114 Resp: 4190618
Ion Ratio Lower Upper
114 100
63 24.2 19.8 29.8
88 17.7 14.2 21.4





#39

1,2-Dichloropropane

Concen: 6.397 ppbv

RT: 7.45 min Scan# 1978

Delta R.T. -0.45 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

Instrument :

MSVOA_L

ClientSampleId :

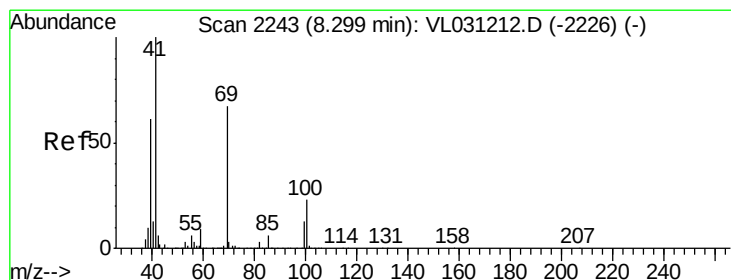
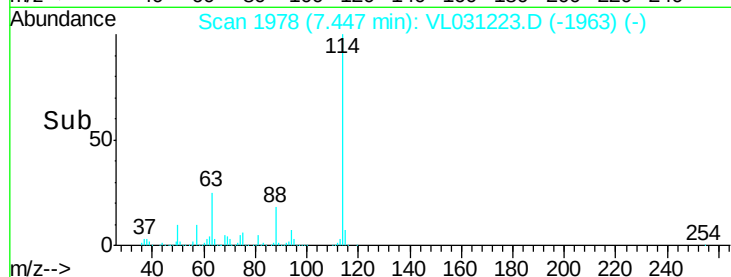
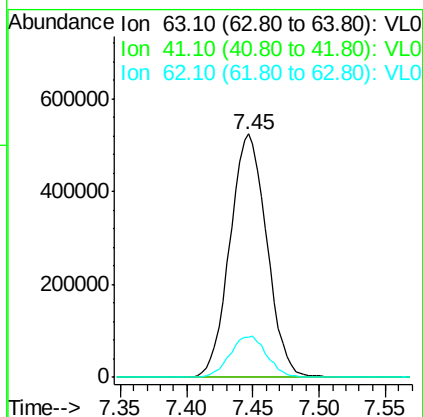
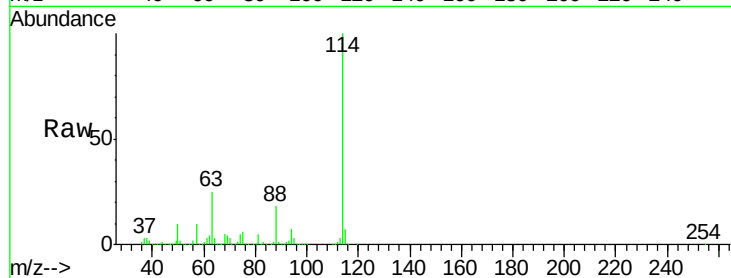
Tot Ion: 63 Resp: 1004543

Ion Ratio Lower Upper

63 100

41 0.0 55.2 82.8#

62 16.6 53.0 79.4#



#43

Methyl Methacrylate

Concen: 0.235 ppbv

RT: 8.30 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

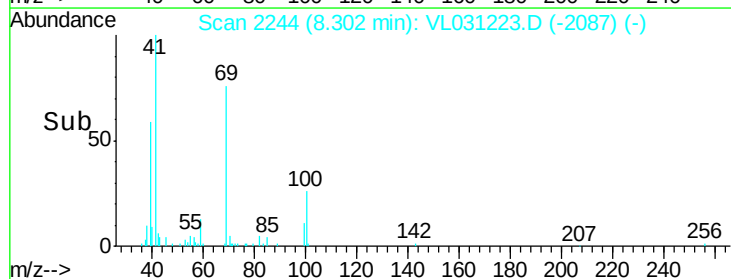
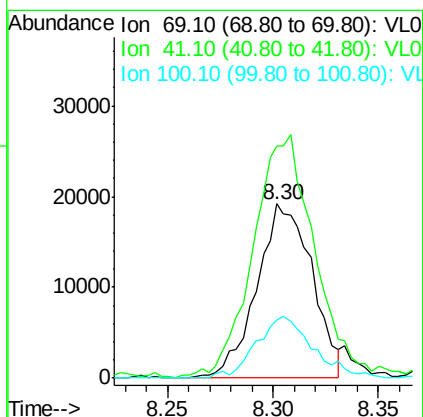
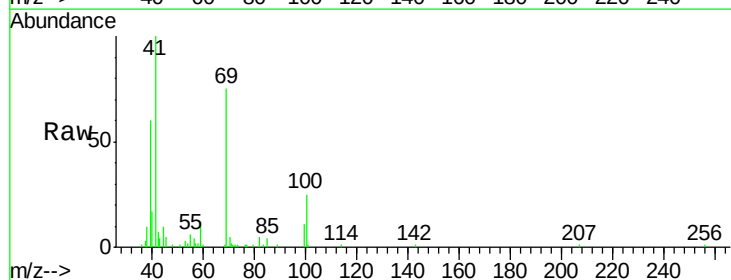
Tgt Ion: 69 Resp: 34904

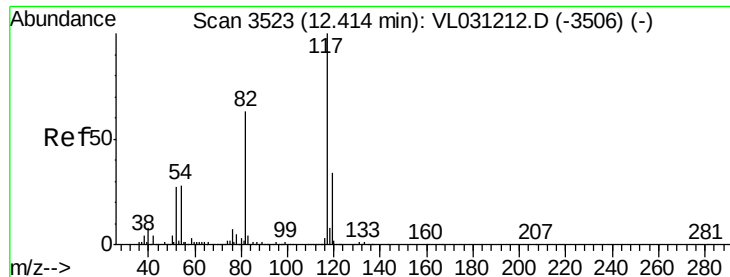
Ion Ratio Lower Upper

69 100

41 161.6 121.1 181.7

100 36.5 27.4 41.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.41 min Scan# 3521

Delta R.T. -0.01 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

Instrument :

MSVOA_L

ClientSampled :

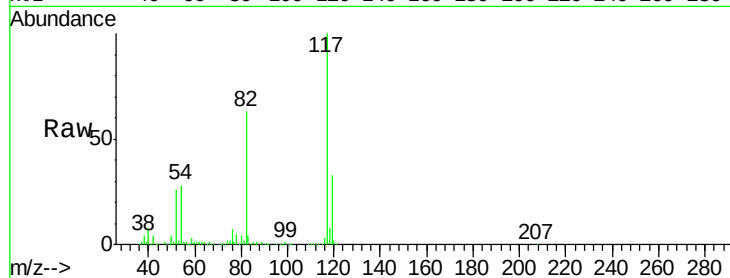
Tot Ion:117 Resp: 4340192

Ion Ratio Lower Upper

117 100

82 63.0 48.1 72.1

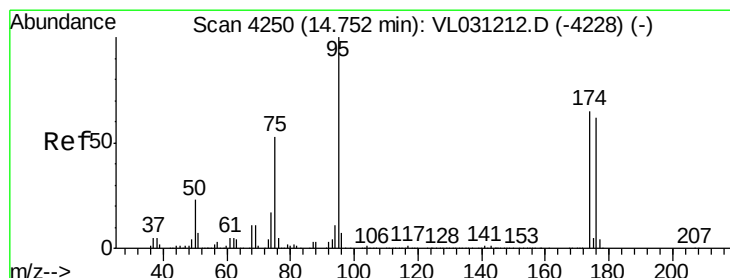
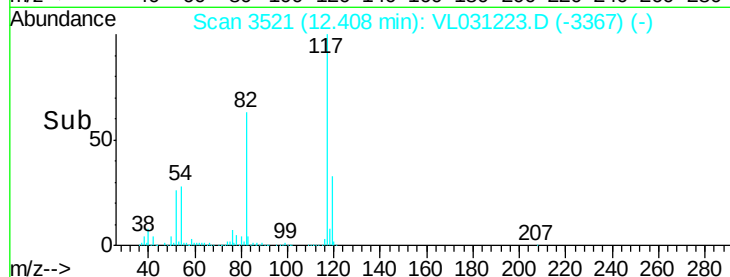
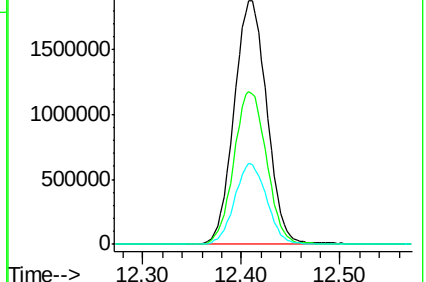
119 32.5 23.1 34.7



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: 10.472 ppbv

RT: 14.75 min Scan# 4248

Delta R.T. -0.01 min

Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

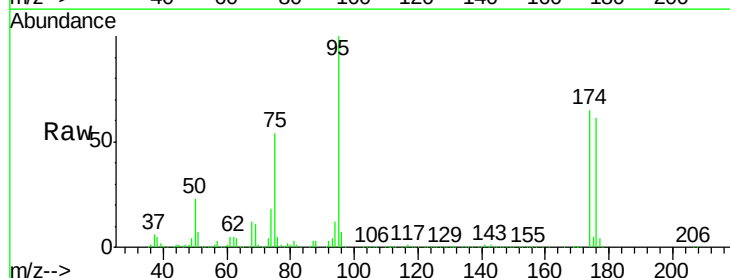
Tgt Ion: 95 Resp: 3233020

Ion Ratio Lower Upper

95 100

174 65.4 52.5 78.7

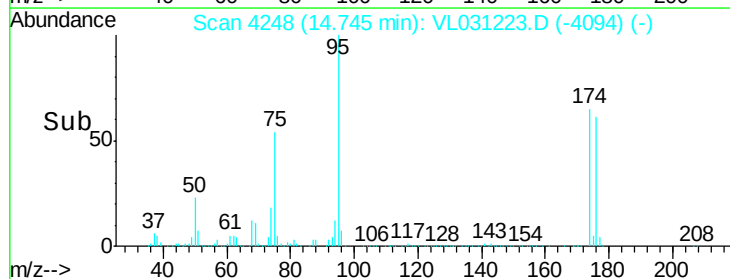
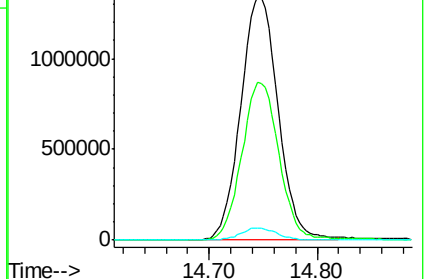
175 4.8 4.1 6.1

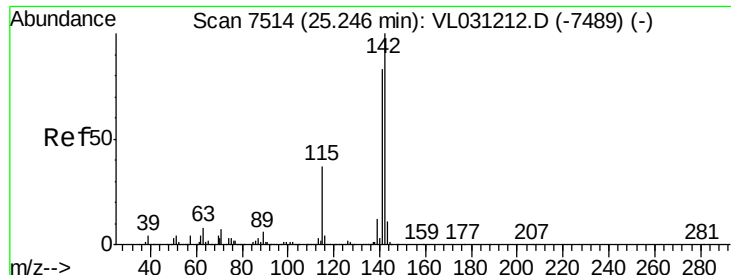


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#80

Naphthalene,2-methyl-

Concen: 0.067 ppbv

RT: 25.26 min Scan# 7517

Delta R.T. 0.01 min

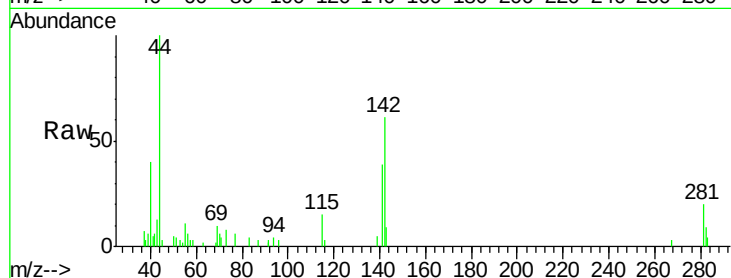
Lab File: VL031223.D

Acq: 14 Dec 2017 9:13

Instrument :

MSVOA_L

ClientSampleId :



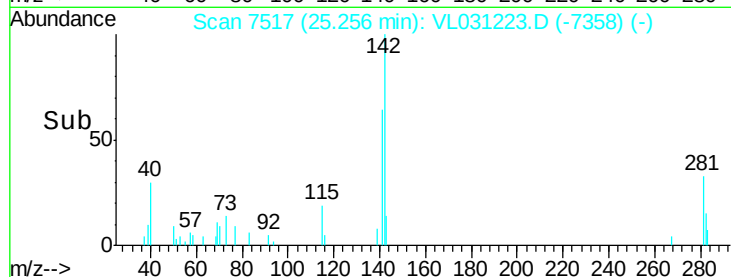
Tot Ion:142 Resp: 12051

Ion Ratio Lower Upper

142 100

141 71.1 66.8 100.2

115 36.2 29.7 44.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

