

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 :

Quant Time: Dec 15 05:17:13 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	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%

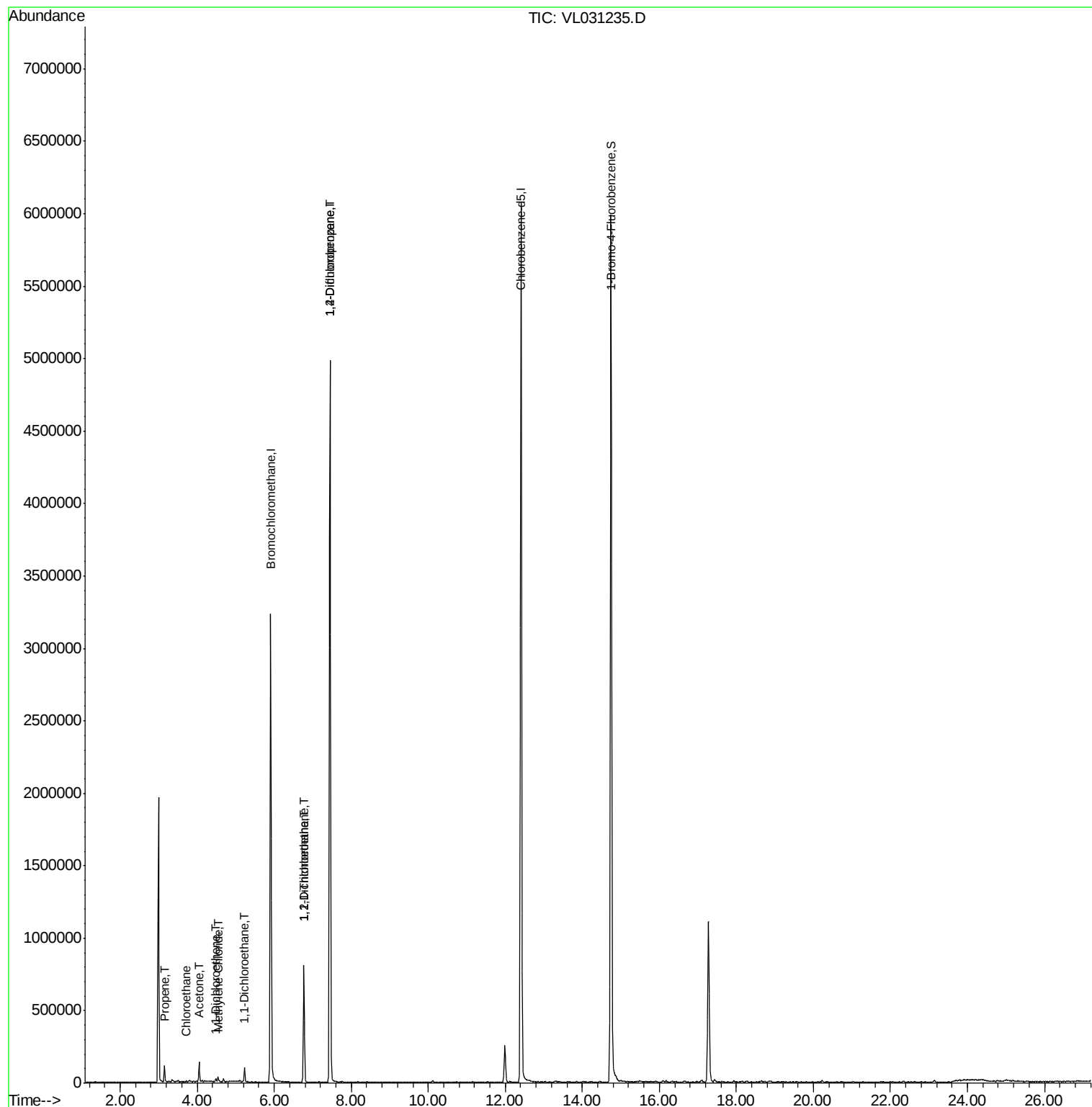
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.71	64	2082	0.054	ppbv	88
9) Propene	3.15	41	22087	0.239	ppbv #	64
15) Acetone	4.05	43	56275	0.258	ppbv #	72
18) 1,1-Dichloroethene	4.49	96	6270	0.087	ppbv #	67
20) Methylene Chloride	4.54	84	8752	0.121	ppbv #	85
24) 1,1-Dichloroethane	5.23	63	77994	0.305	ppbv	98
32) 1,1,1-Trichloroethane	6.77	97	507929	1.664	ppbv	99
37) 1,2-Dichloroethane	6.77	62	35760	0.157	ppbv #	1
39) 1,2-Dichloropropane	7.45	63	933398	6.410	ppbv #	27

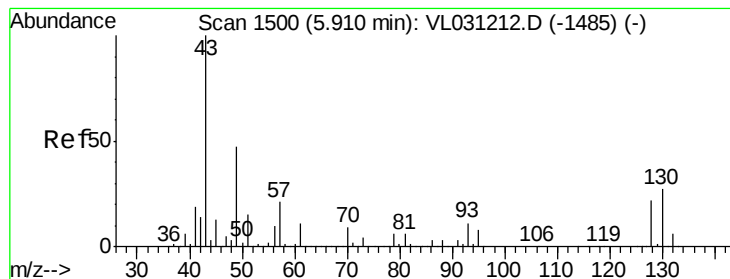
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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Quant Time: Dec 15 05:17:13 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

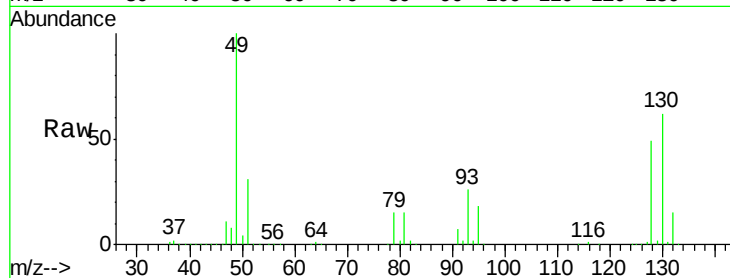
Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1653614

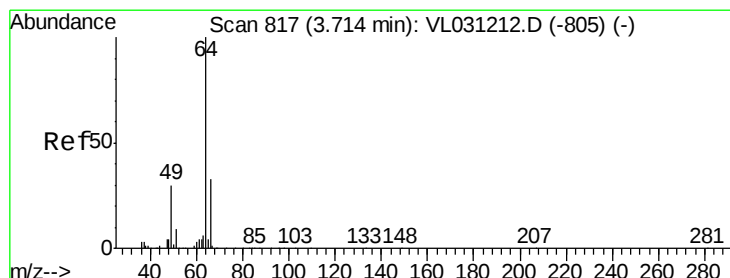
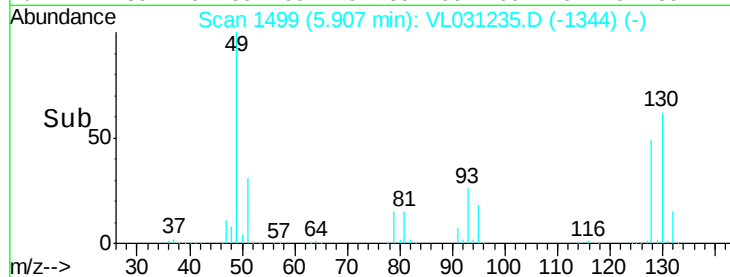
Ion	Ratio	Lower	Upper
49	100		
128	48.9	23.2	69.5
130	63.0	29.6	88.8



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



#7

Chloroethane

Concen: 0.054 ppbv

RT: 3.71 min Scan# 817

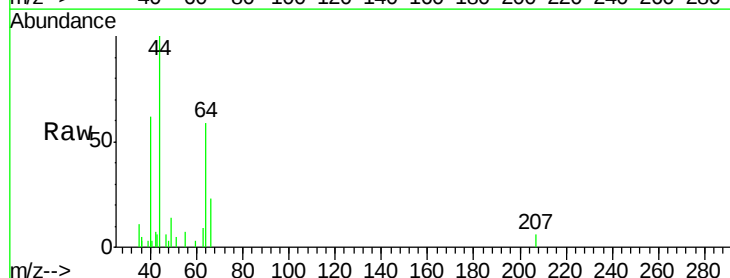
Delta R.T. 0.00 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

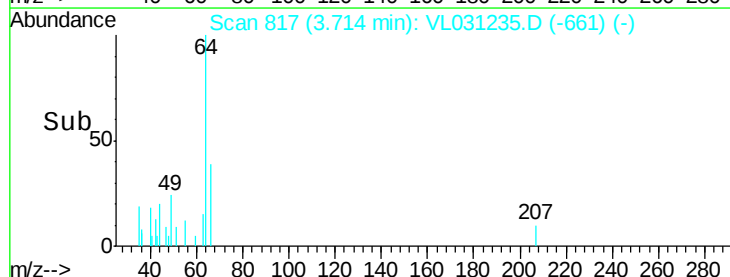
Tgt Ion: 64 Resp: 2082

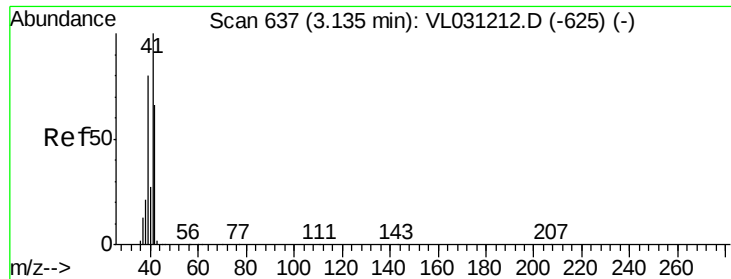
Ion	Ratio	Lower	Upper
64	100		
66	39.2	26.2	39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 0.239 ppbv

RT: 3.15 min Scan# 643

Delta R.T. 0.02 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

Instrument :

MSVOA_L

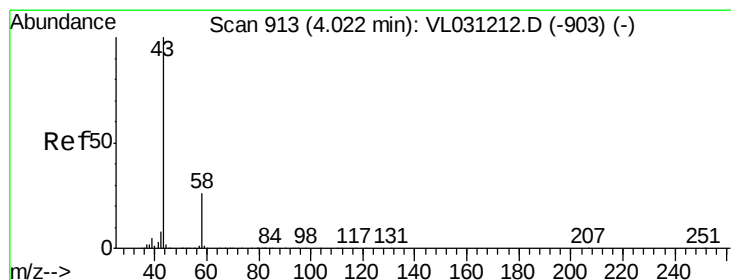
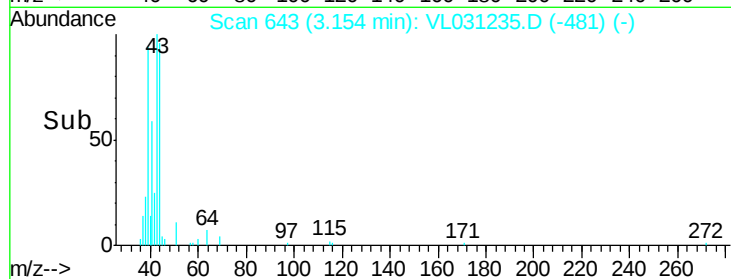
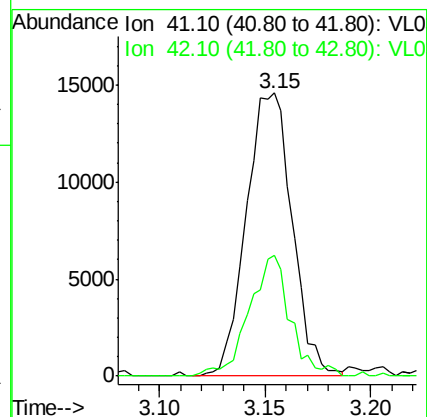
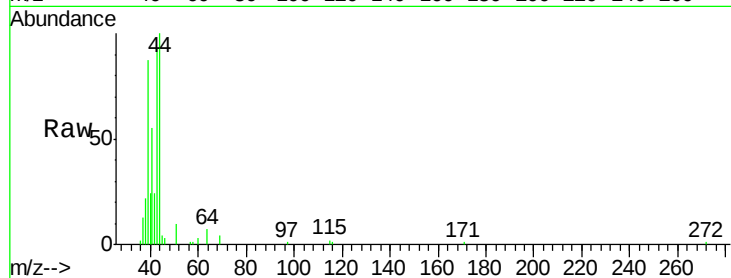
ClientSampleId :

Tot Ion: 41 Resp: 22087

Ion Ratio Lower Upper

41 100

42 38.6 54.3 81.5#



#15

Acetone

Concen: 0.258 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031235.D

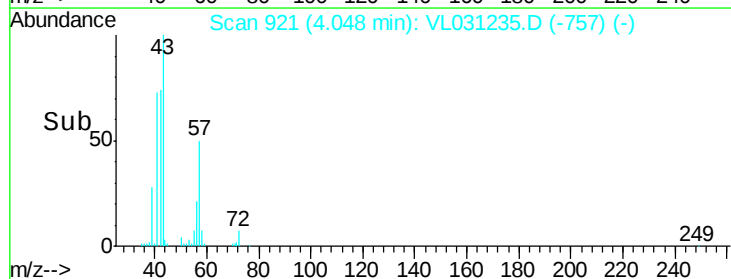
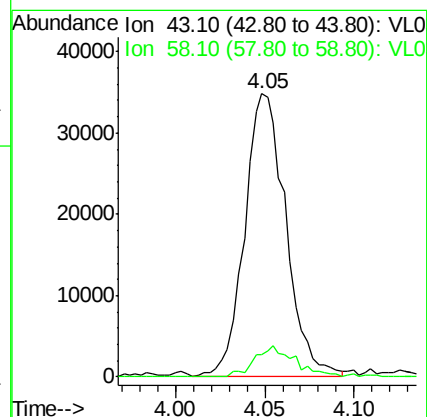
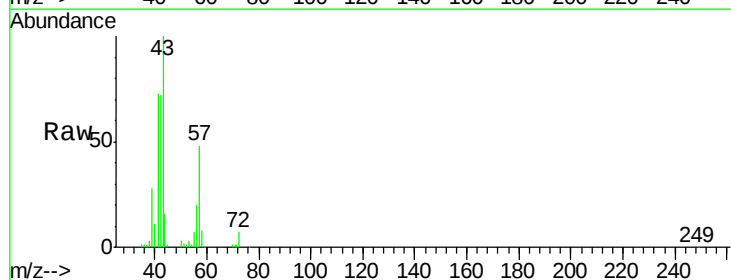
Acq: 14 Dec 2017 17:07

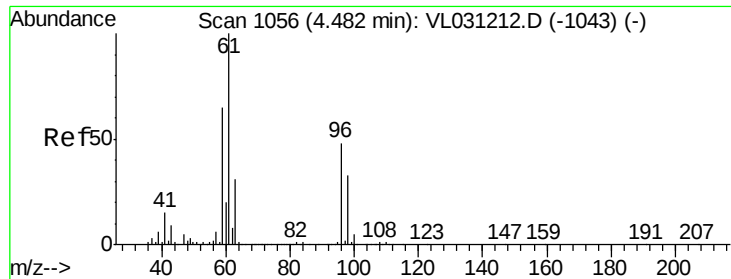
Tgt Ion: 43 Resp: 56275

Ion Ratio Lower Upper

43 100

58 11.1 20.3 30.5#

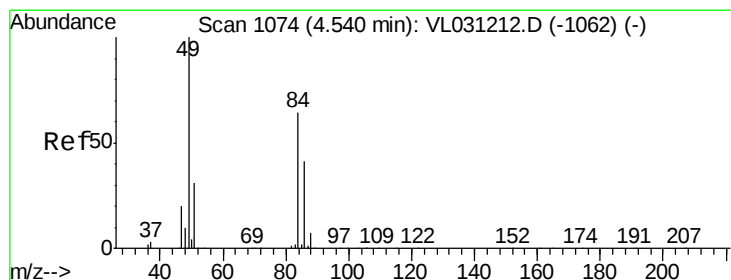
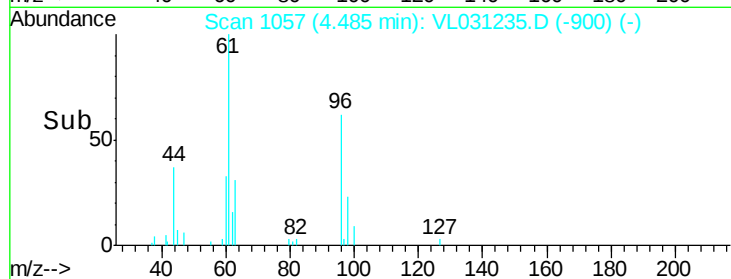
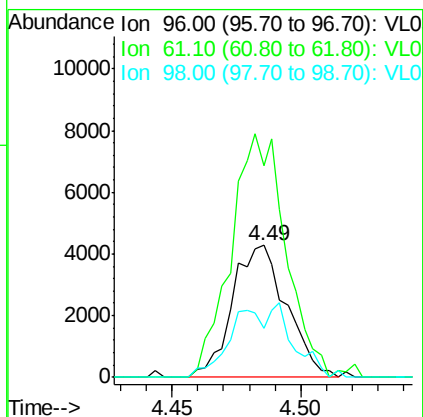
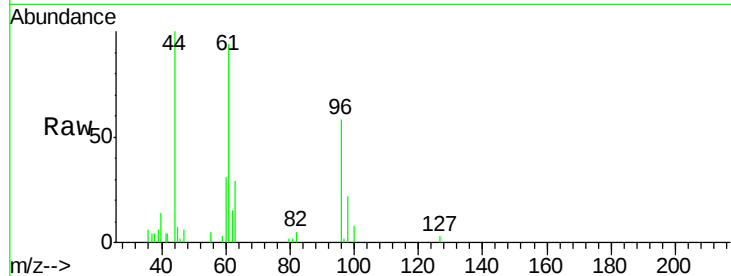




#18
 1,1-Dichloroethene
 Concen: 0.087 ppbv
 RT: 4.49 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VL031235.D
 Acq: 14 Dec 2017 17:07

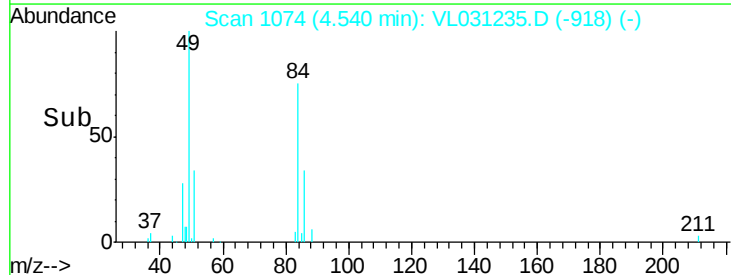
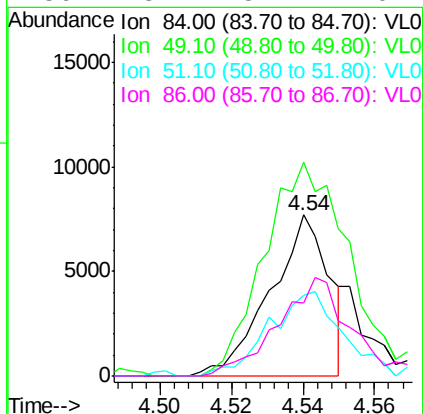
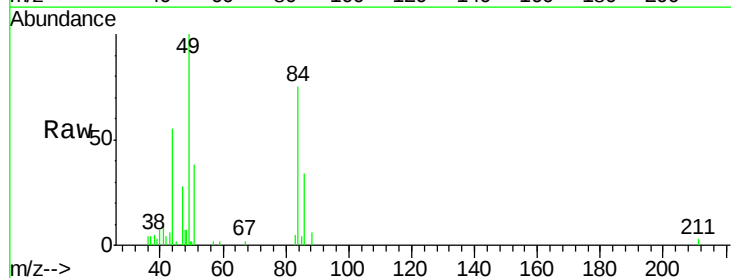
Instrument :
 MSVOA_L
 ClientSampleId :

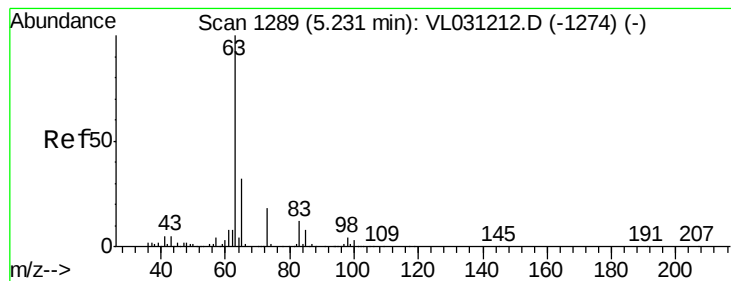
Tot Ion: 96 Resp: 6270
 Ion Ratio Lower Upper
 96 100
 61 161.0 166.8 250.2#
 98 37.4 55.0 82.6#



#20
 Methylene Chloride
 Concen: 0.121 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL031235.D
 Acq: 14 Dec 2017 17:07

Tgt Ion: 84 Resp: 8752
 Ion Ratio Lower Upper
 84 100
 49 135.8 125.8 188.6
 51 50.1 39.3 58.9
 86 45.4 51.1 76.7#





#24

1,1-Dichloroethane

Concen: 0.305 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

ClientSampleId :

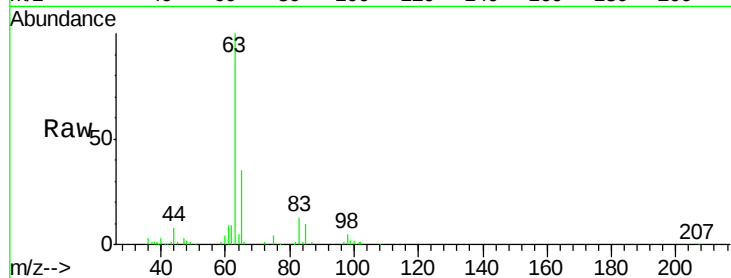
Tot Ion: 63 Resp: 77994

Ion Ratio Lower Upper

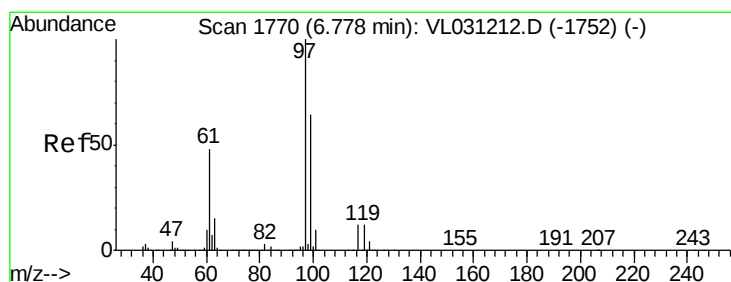
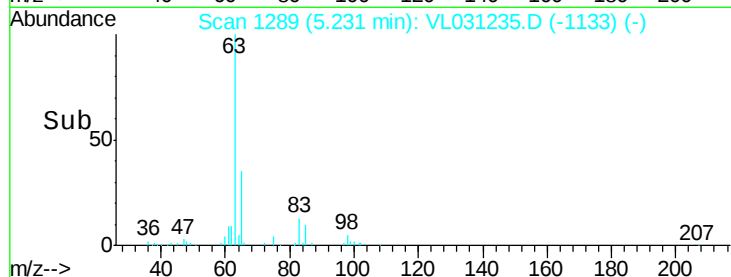
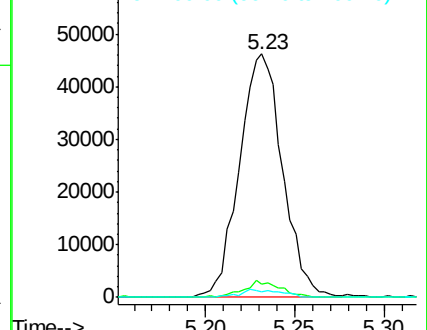
63 100

98 5.4 2.3 6.8

100 2.3 1.4 4.2



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: 1.664 ppbv

RT: 6.77 min Scan# 1768

Delta R.T. -0.01 min

Lab File: VL031235.D

Acq: 14 Dec 2017 17:07

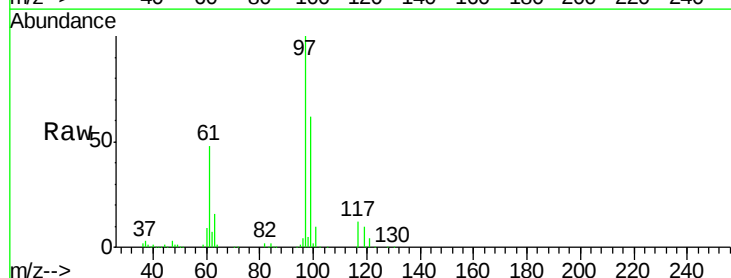
Tgt Ion: 97 Resp: 507929

Ion Ratio Lower Upper

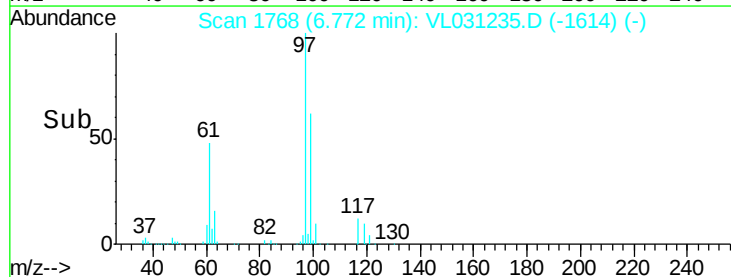
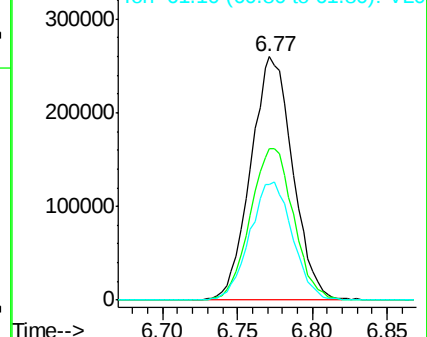
97 100

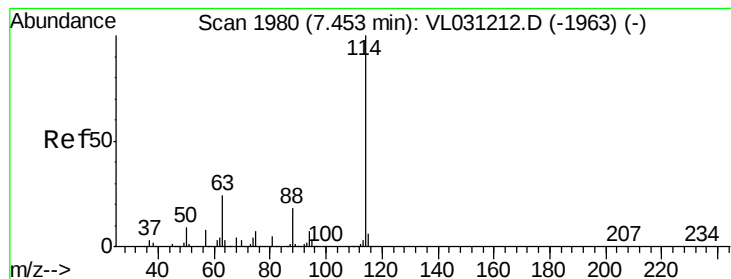
99 64.1 51.4 77.0

61 49.2 38.4 57.6



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: 10.000 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 :

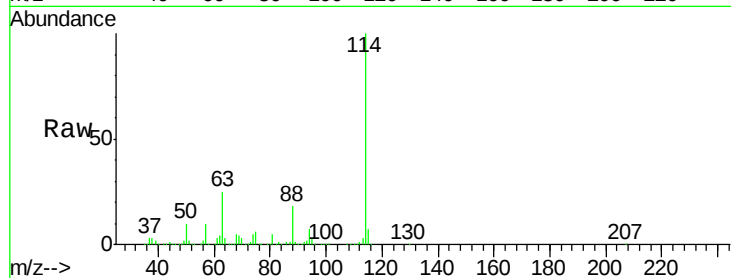
Tot Ion:114 Resp: 3886401

Ion Ratio Lower Upper

114 100

63 24.2 19.8 29.8

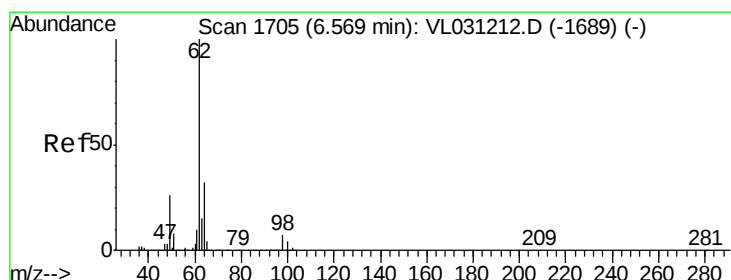
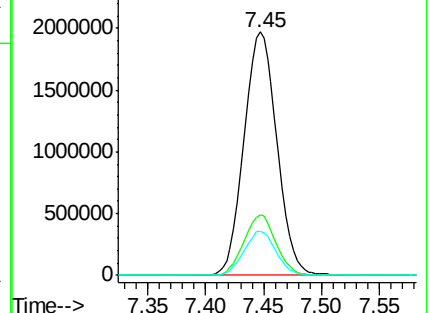
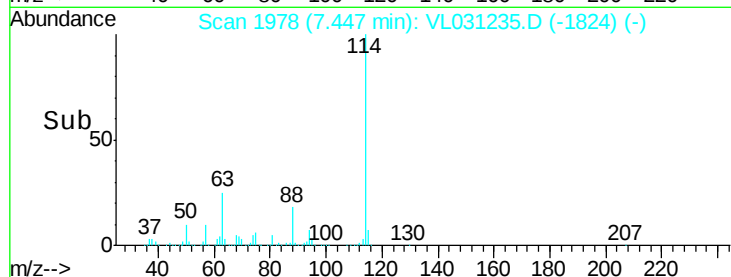
88 17.6 14.2 21.4



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



#37

1,2-Dichloroethane

Concen: 0.157 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. 0.21 min

Lab File: VL031235.D

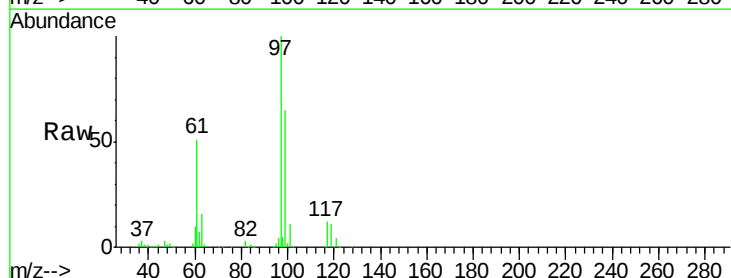
Acq: 14 Dec 2017 17:07

Tgt Ion: 62 Resp: 35760

Ion Ratio Lower Upper

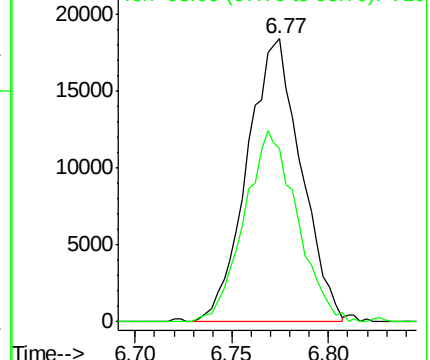
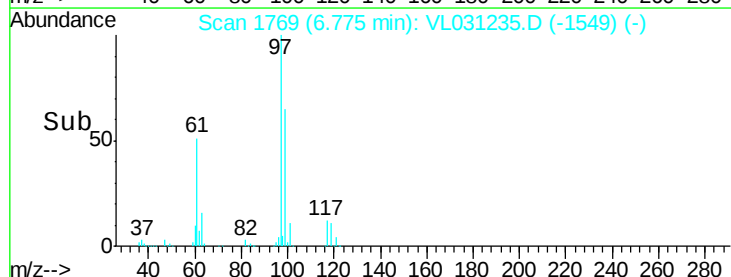
62 100

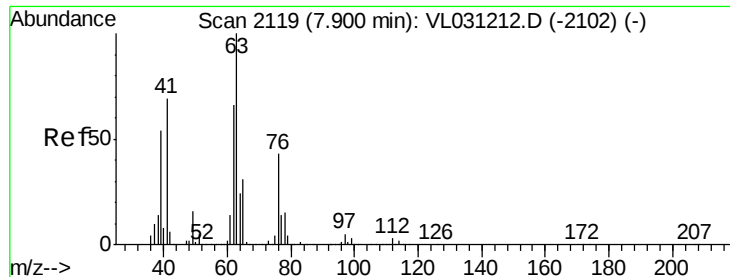
98 66.4 5.4 8.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

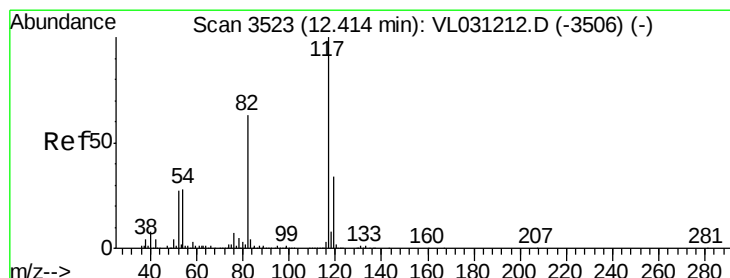
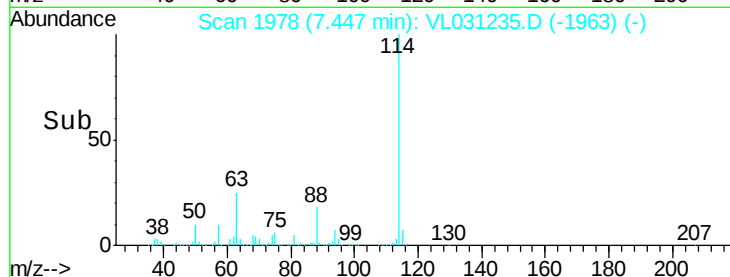
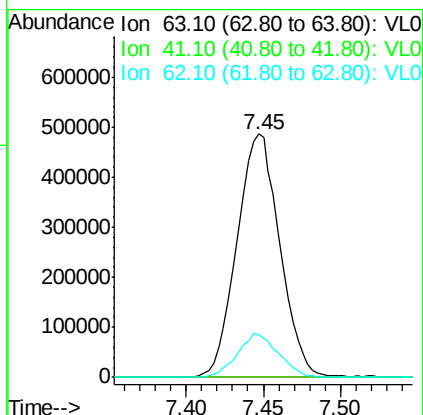
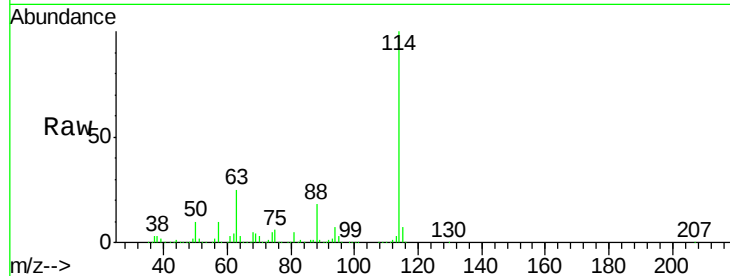




#39
 1,2-Dichloropropane
 Concen: 6.410 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.45 min
 Lab File: VL031235.D
 Acq: 14 Dec 2017 17:07

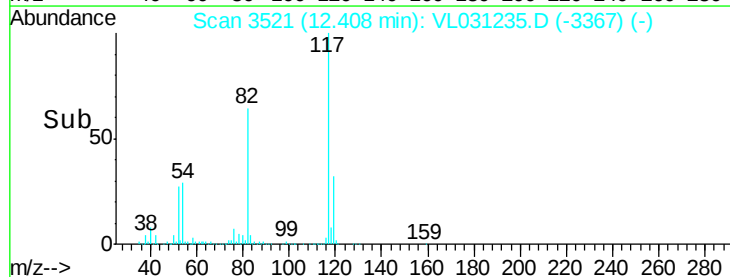
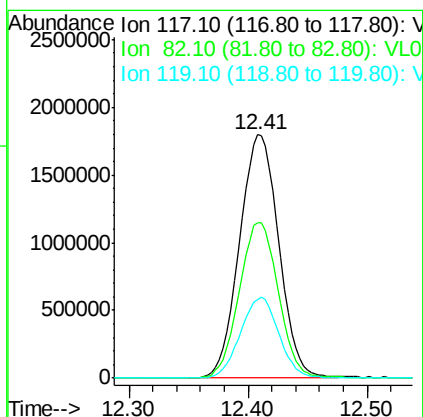
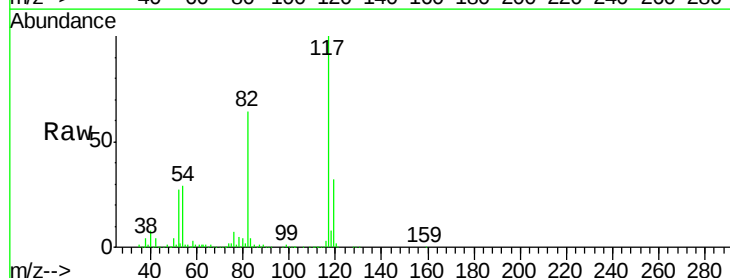
Instrument :
 MSVOA_L
 ClientSampleId :

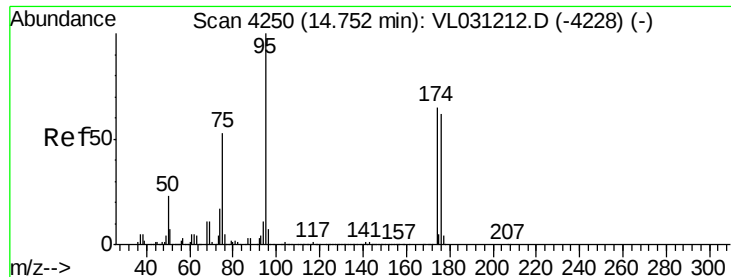
Tot Ion: 63 Resp: 933398
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 17.4 53.0 79.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 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





#68

1-Bromo-4-Fluorobenzene

Concen: 10.898 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 :

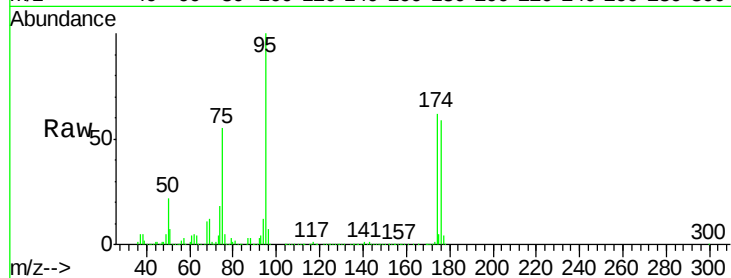
Tot Ion: 95 Resp: 3188983

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

