

Data File : VL032608.D
Acq On : 11 Oct 2018 17:22
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Oct 12 01:55:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1359138	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2870501	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2979258	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2137649	9.51	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

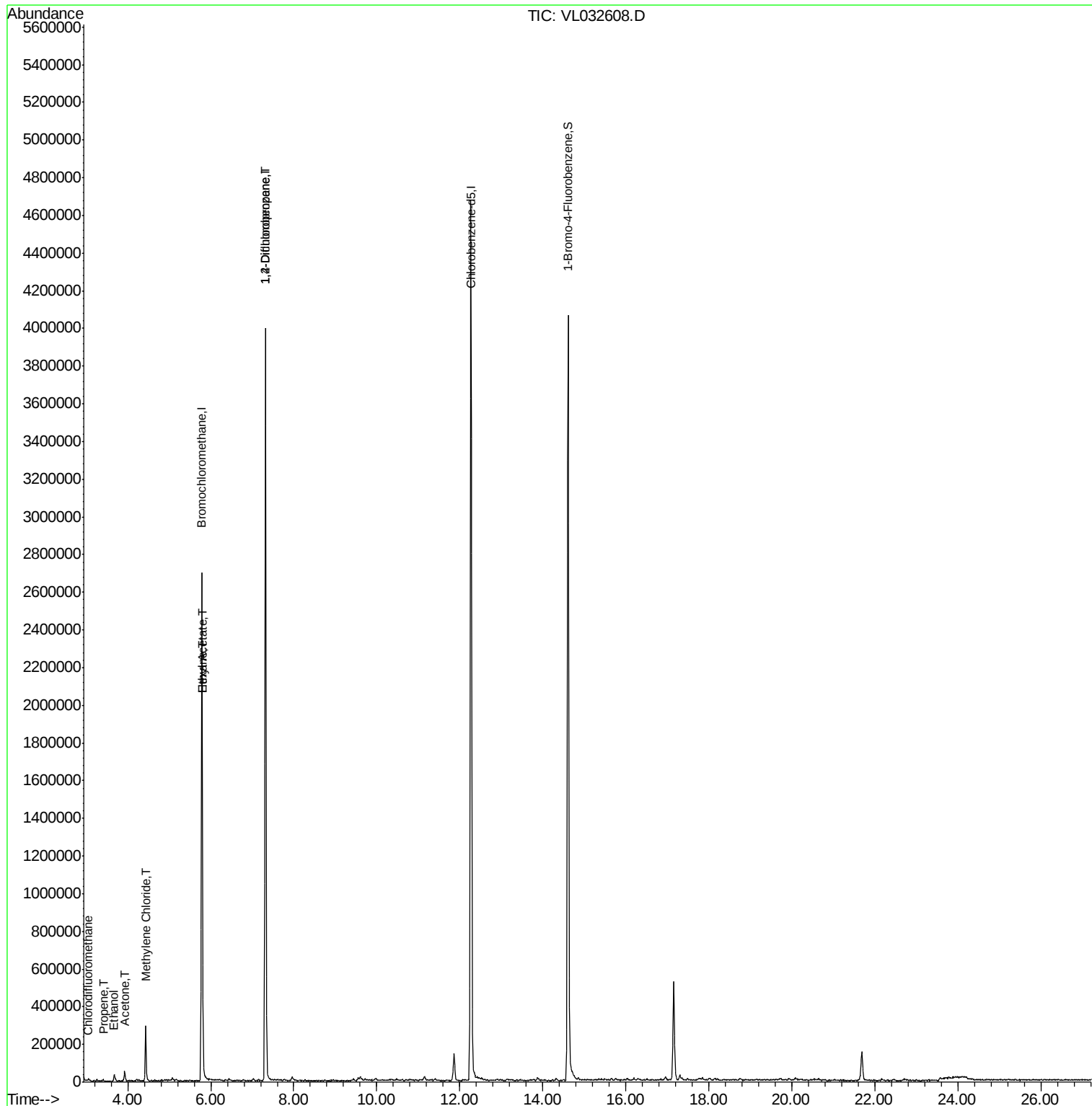
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	3849	0.034	ppbv	95
9) Propene	3.41	41	2662	0.054	ppbv	91
13) Ethanol	3.67	45	29712	2.016	ppbv	70
15) Acetone	3.93	43	53484	0.448	ppbv	97
20) Methylene Chloride	4.43	84	94125	1.629	ppbv	97
25) Ethyl Acetate	5.80	43	62980	0.218	ppbv #	79
26) Hexane	5.80	57	85641	0.655	ppbv #	45
39) 1,2-Dichloropropane	7.32	63	756043	7.232	ppbv #	26

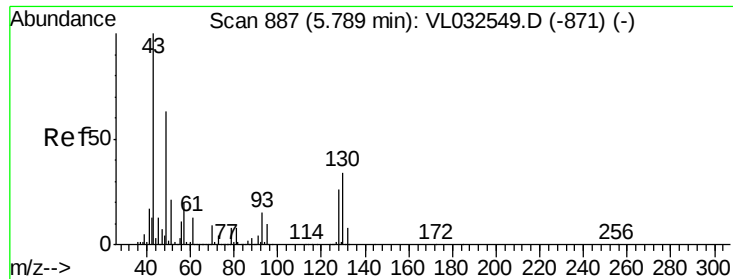
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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ClientSampleId :

VIBLK

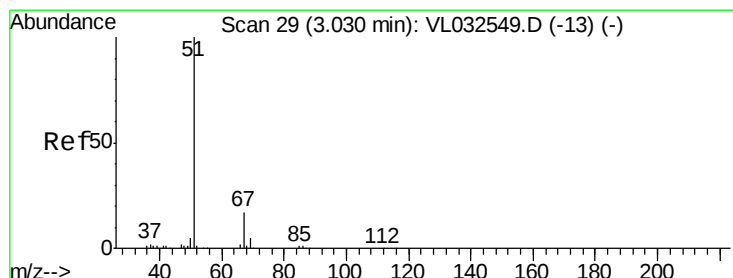
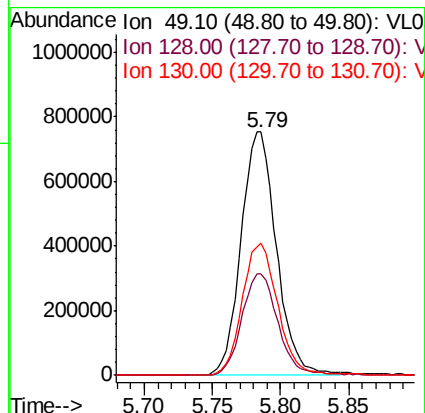
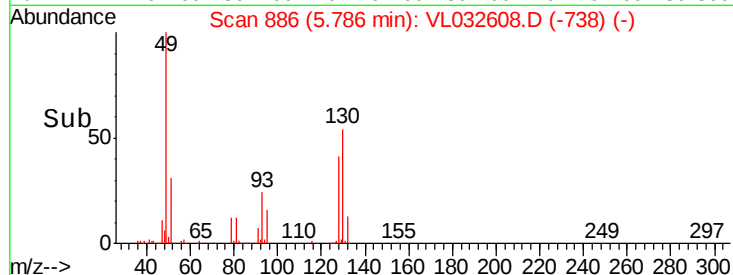
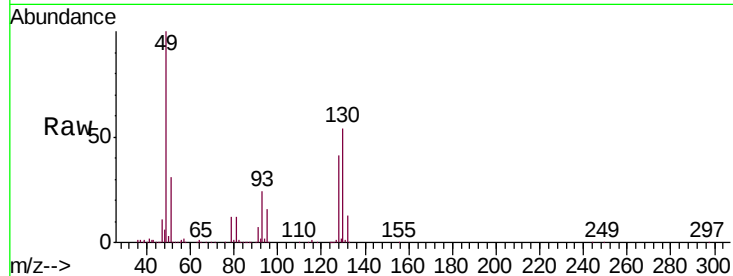
Tgt Ion: 49 Resp: 1359138

Ion Ratio Lower Upper

49 100

128 42.6 20.7 62.1

130 55.1 26.6 79.7



#3

Chlorodifluoromethane

Concen: 0.034 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032608.D

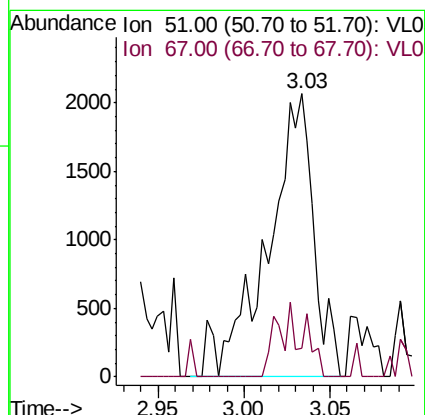
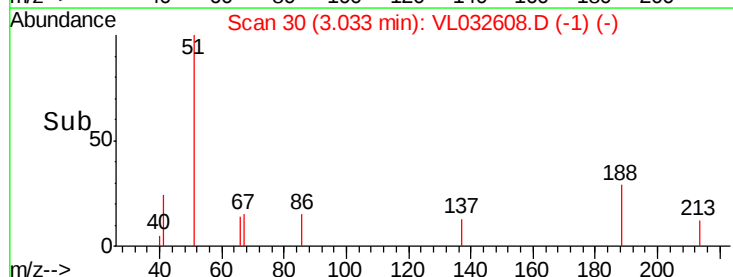
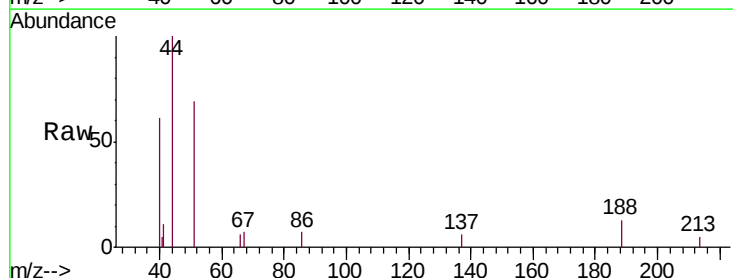
Acq: 11 Oct 2018 17:22

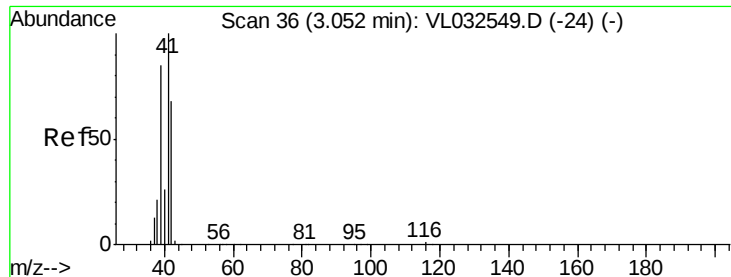
Tgt Ion: 51 Resp: 3849

Ion Ratio Lower Upper

51 100

67 15.0 13.8 20.8





#9

Propene

Concen: 0.054 ppbv

RT: 3.41 min Scan# 147

Delta R.T. 0.34 min

Lab File: VL032608.D

Acq: 11 Oct 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

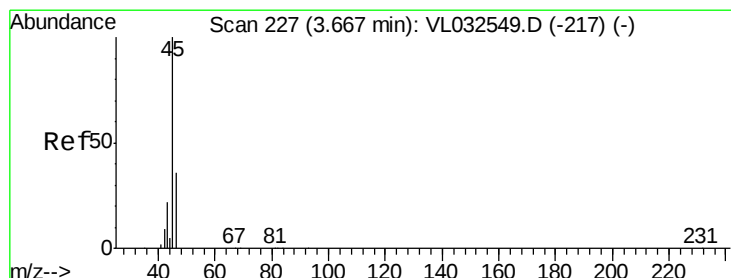
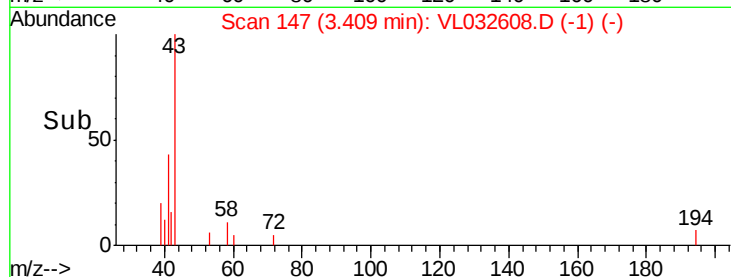
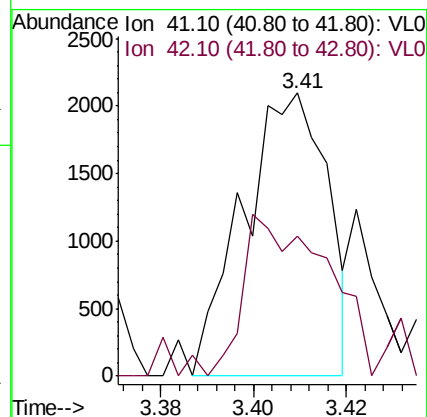
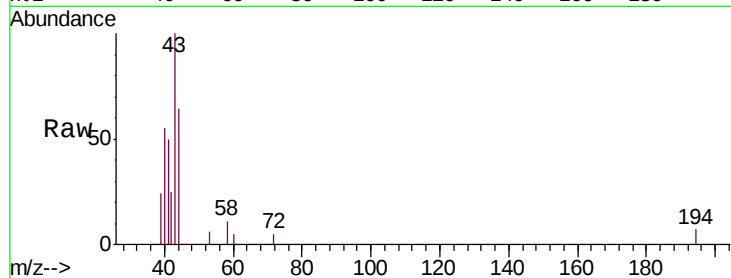
VIBLK

Tgt Ion: 41 Resp: 2662

Ion Ratio Lower Upper

41 100

42 63.3 56.6 84.8



#13

Ethanol

Concen: 2.016 ppbv

RT: 3.67 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL032608.D

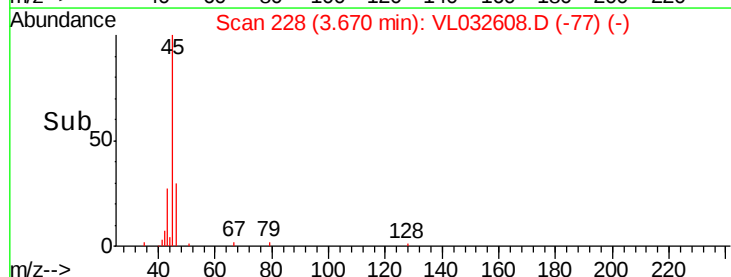
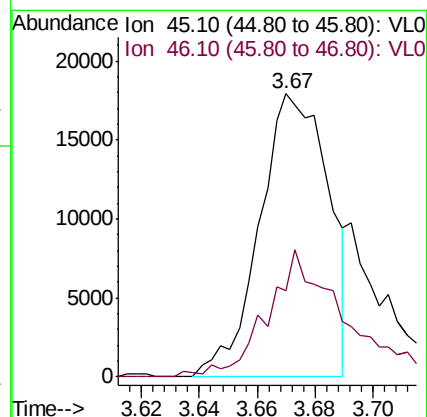
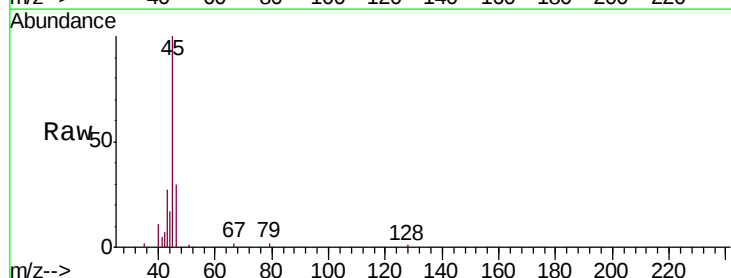
Acq: 11 Oct 2018 17:22

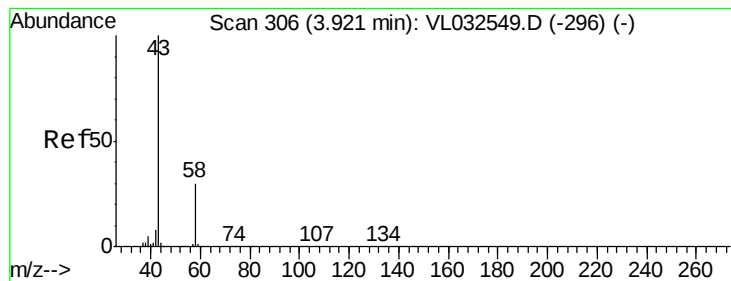
Tgt Ion: 45 Resp: 29712

Ion Ratio Lower Upper

45 100

46 52.9 14.2 56.8





#15

Acetone

Concen: 0.448 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032608.D

Acq: 11 Oct 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

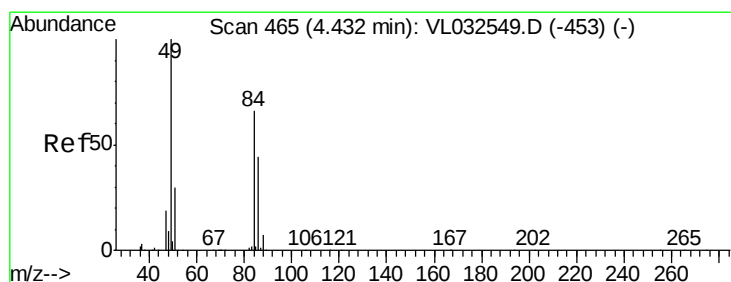
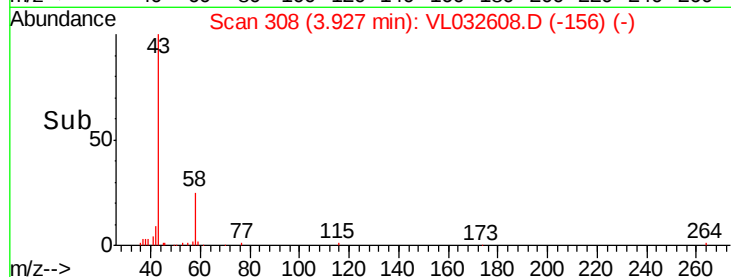
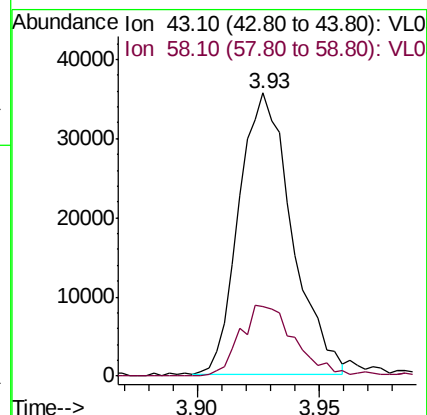
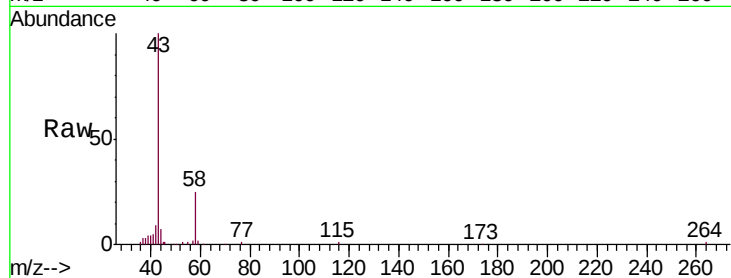
VIBLK

Tgt Ion: 43 Resp: 53484

Ion Ratio Lower Upper

43 100

58 26.6 22.6 33.8



#20

Methylene Chloride

Concen: 1.629 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032608.D

Acq: 11 Oct 2018 17:22

Tgt Ion: 84 Resp: 94125

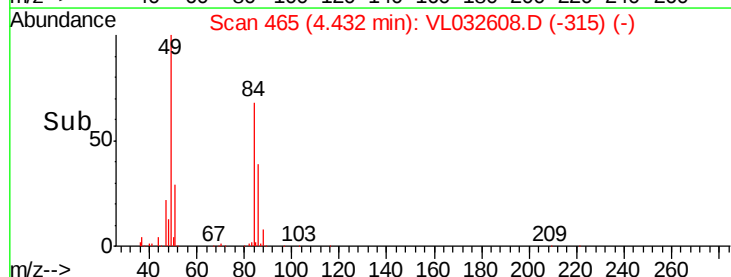
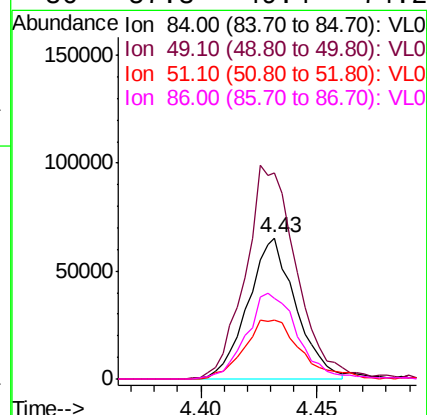
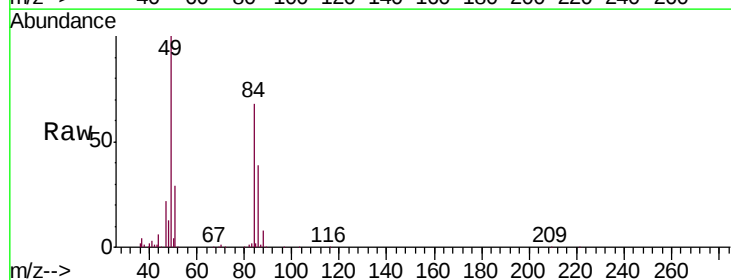
Ion Ratio Lower Upper

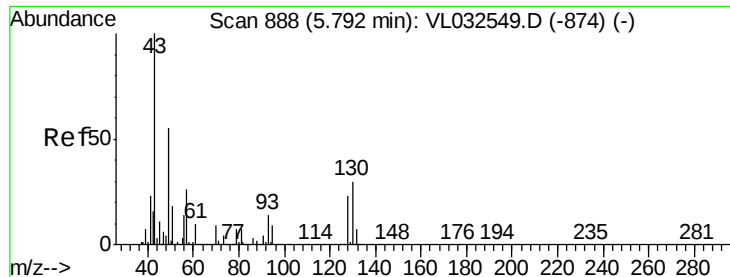
84 100

49 146.1 119.1 178.7

51 42.3 35.2 52.8

86 57.3 49.4 74.2





#25

Ethyl Acetate

Concen: 0.218 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL032608.D

Acq: 11 Oct 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 43 Resp: 62980

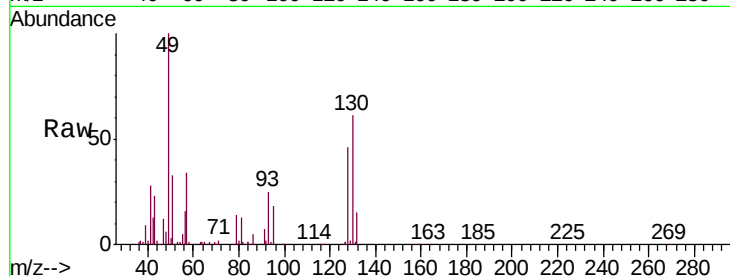
Ion Ratio Lower Upper

43 100

45 1.7 8.0 12.0#

61 1.1 7.6 11.4#

70 2.0 5.8 8.8#

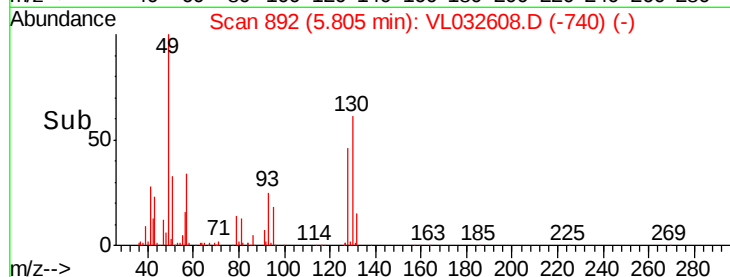
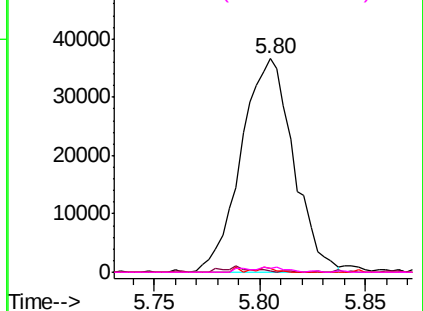


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.655 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL032608.D

Acq: 11 Oct 2018 17:22

Tgt Ion: 57 Resp: 85641

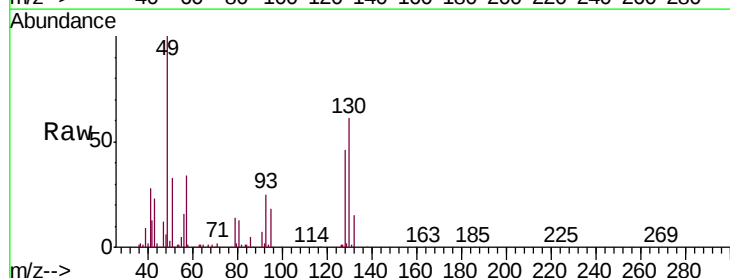
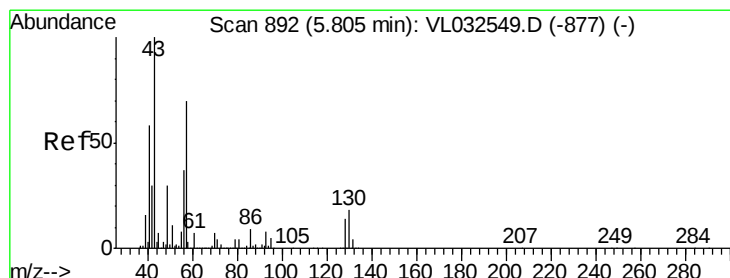
Ion Ratio Lower Upper

57 100

41 88.6 69.0 103.4

43 74.7 172.1 258.1#

56 53.5 42.2 63.2

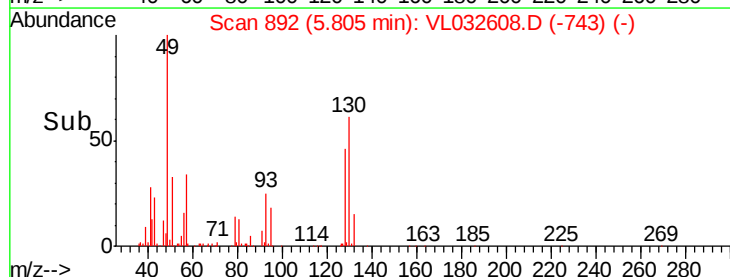
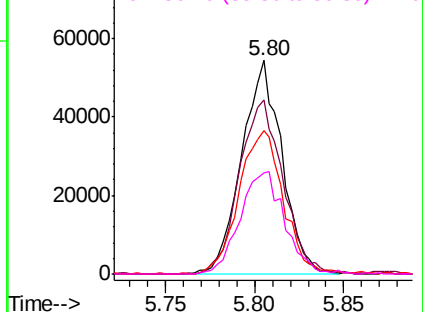


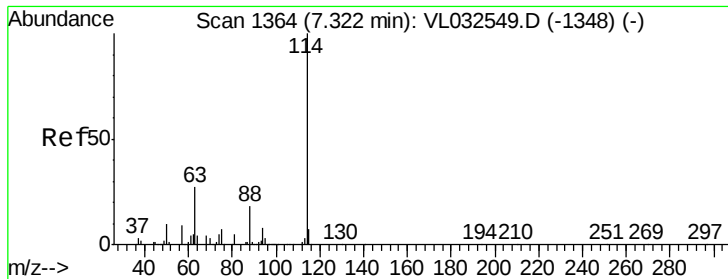
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

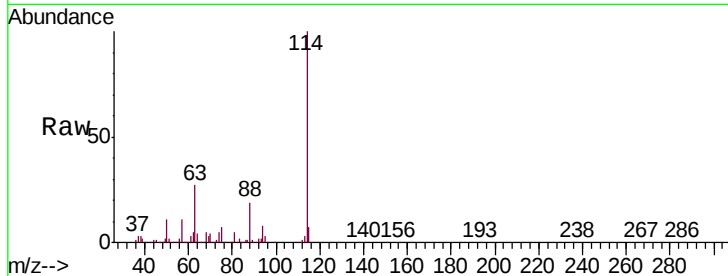




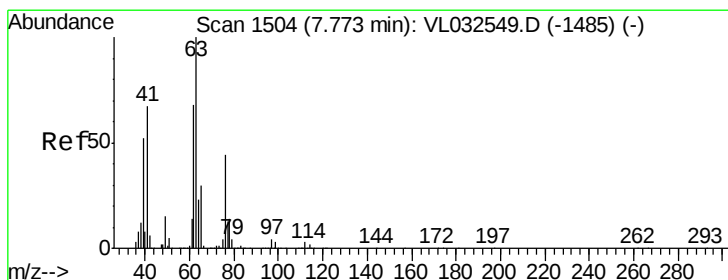
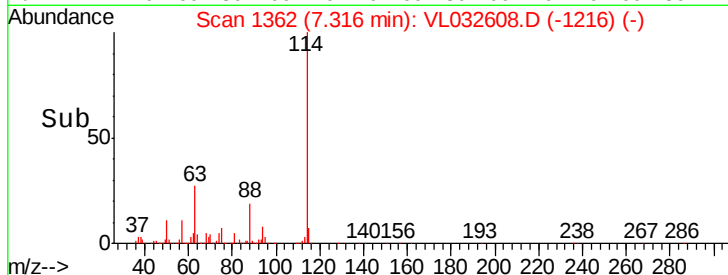
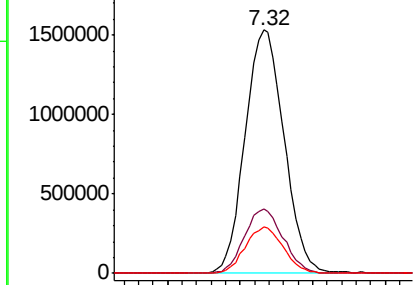
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL032608.D
 Acq: 11 Oct 2018 17:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 114 Resp: 2870501
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.2 33.4
 88 18.7 15.0 22.4

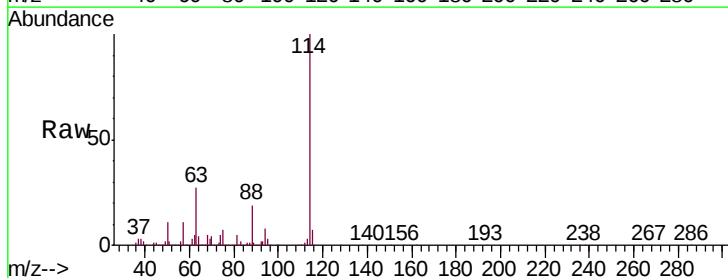


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

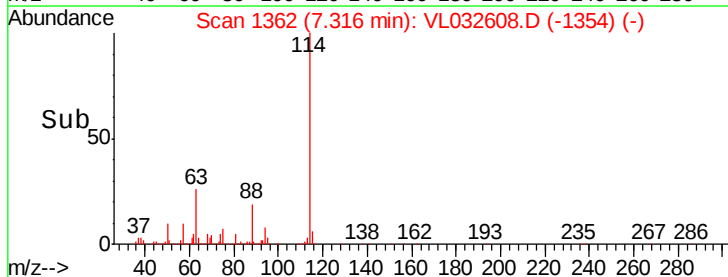
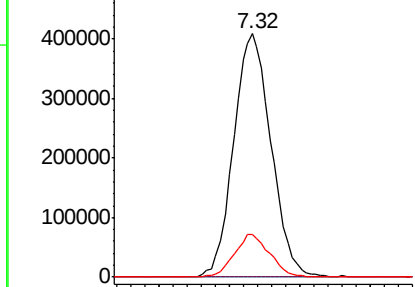


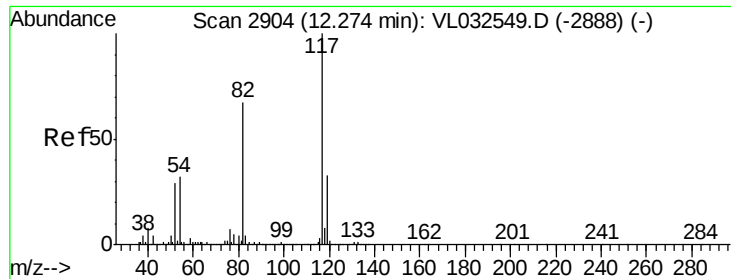
#39
 1,2-Dichloropropane
 Concen: 7.232 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL032608.D
 Acq: 11 Oct 2018 17:22

Tgt Ion: 63 Resp: 756043
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.4 83.0#
 62 17.7 55.4 83.0#



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

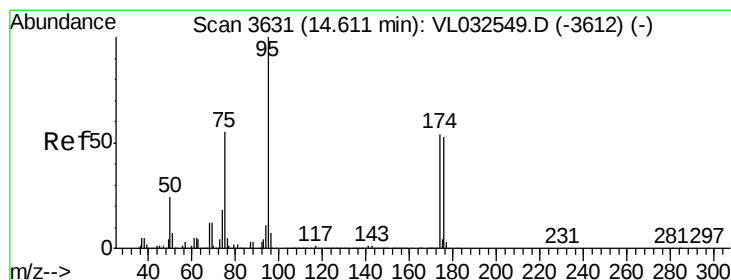
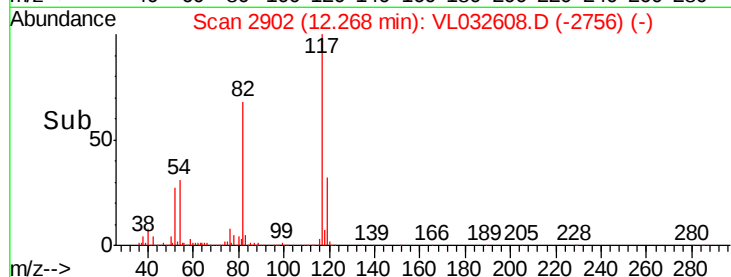
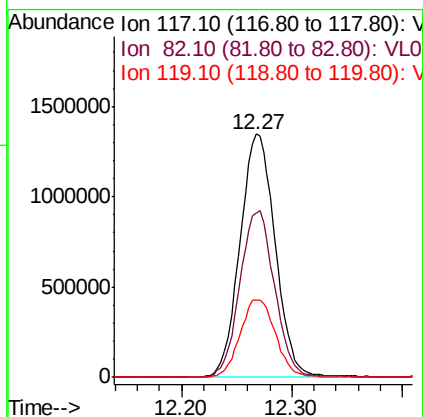
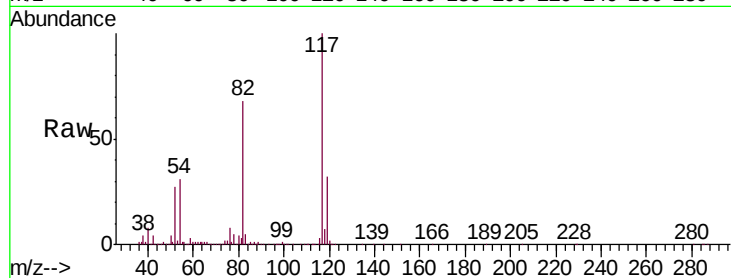




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032608.D
Acq: 11 Oct 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 117 Resp: 2979258
Ion Ratio Lower Upper
117 100
82 68.1 53.0 79.6
119 32.4 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.515 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032608.D
Acq: 11 Oct 2018 17:22

Tgt Ion: 95 Resp: 2137649
Ion Ratio Lower Upper
95 100
174 57.5 46.3 69.5
175 4.1 3.4 5.0

