

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034265.D
 Acq On : 9 Oct 2019 1:50
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 09 05:22:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1090141	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1792647	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1788575	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1598165	10.28	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

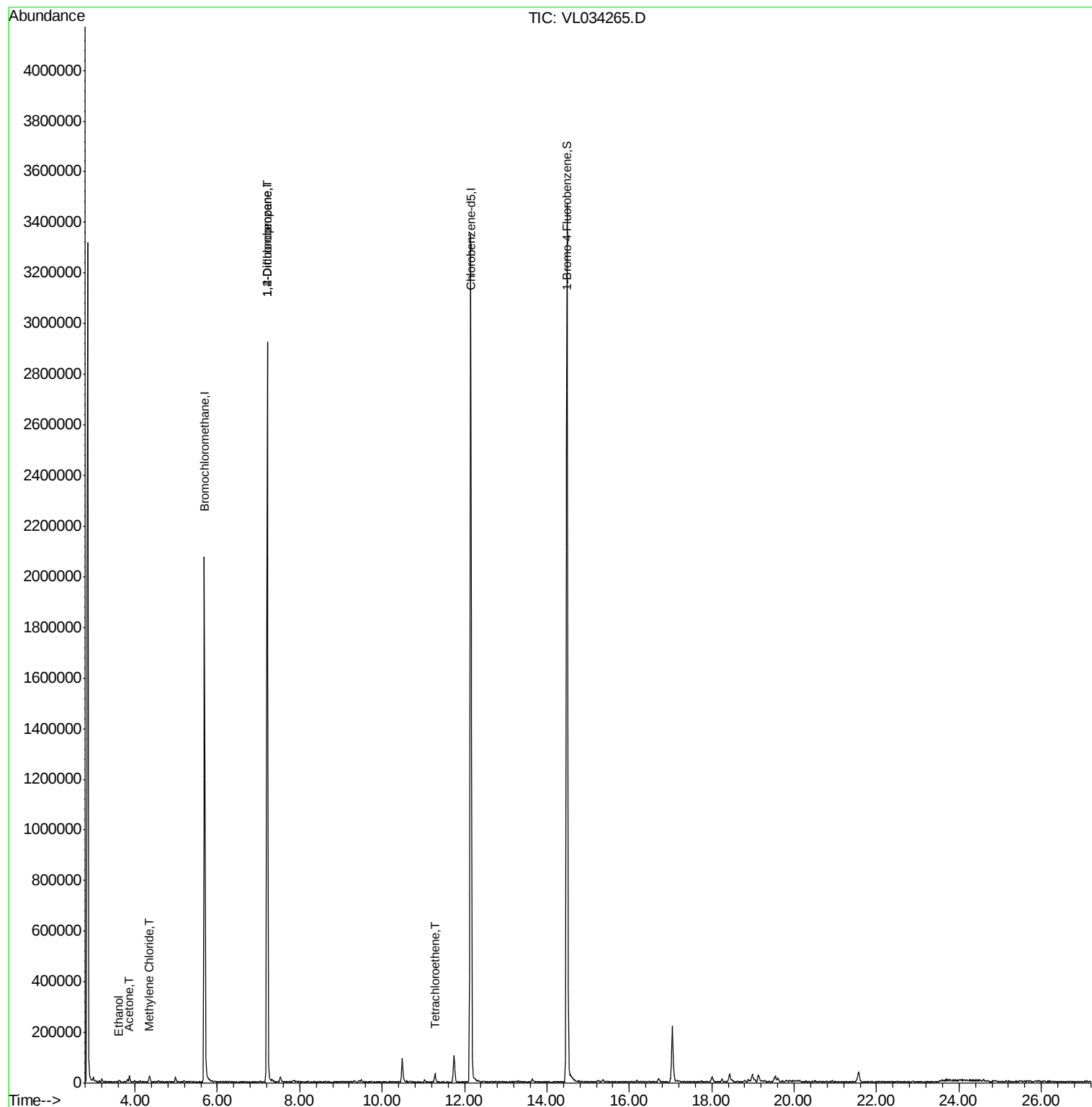
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	1351	0.088	ppbv #	36
15) Acetone	3.87	43	25208	0.173	ppbv	93
20) Methylene Chloride	4.34	84	2769	0.066	ppbv #	56
39) 1,2-Dichloropropane	7.21	63	591843	6.653	ppbv #	21
52) Tetrachloroethene	11.28	164	1984	0.030	ppbv	90

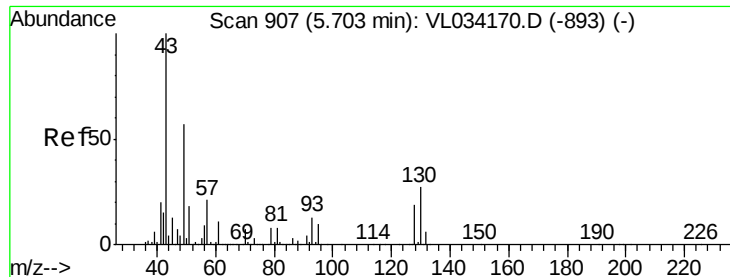
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

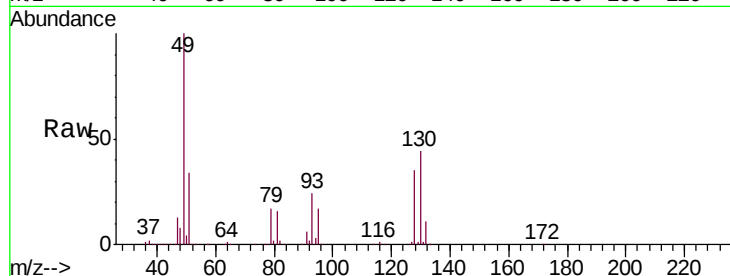
Tgt Ion: 49 Resp: 1090141

Ion Ratio Lower Upper

49 100

128 34.8 17.6 52.9

130 43.9 22.3 66.9

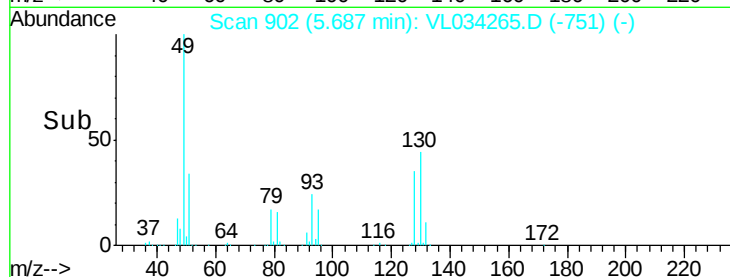


Abundance Ion 49.10 (48.80 to 49.80): VL0

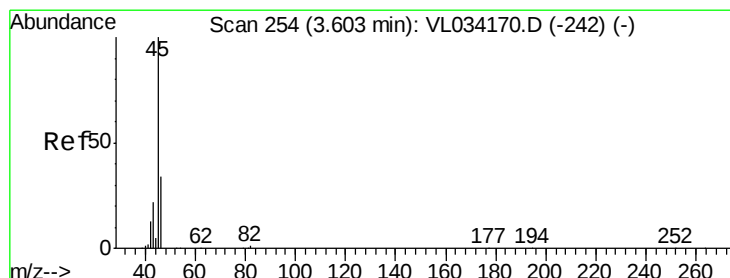
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#13

Ethanol

Concen: 0.088 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034265.D

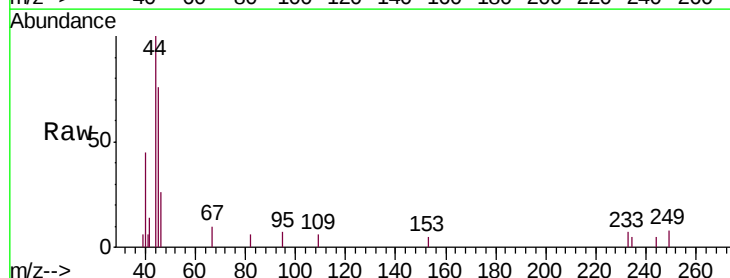
Acq: 9 Oct 2019 1:50

Tgt Ion: 45 Resp: 1351

Ion Ratio Lower Upper

45 100

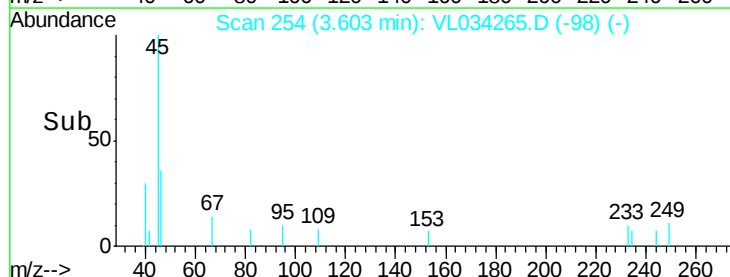
46 0.0 15.5 61.9#



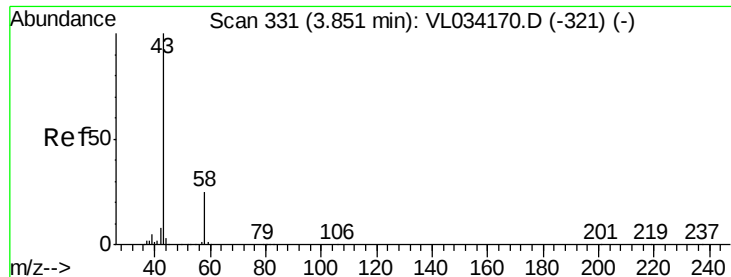
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

Time-->



Time-->



#15

Acetone

Concen: 0.173 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

Instrument :

MSVOA_L

ClientSampleId :

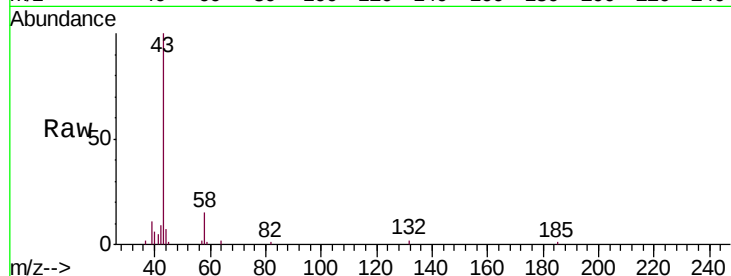
VIBLK

Tgt Ion: 43 Resp: 25208

Ion Ratio Lower Upper

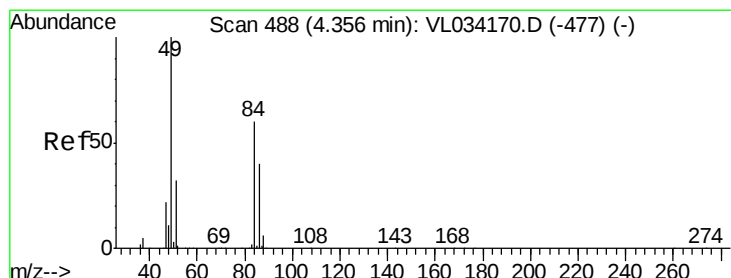
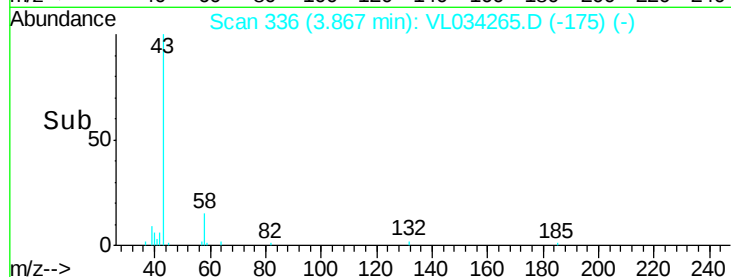
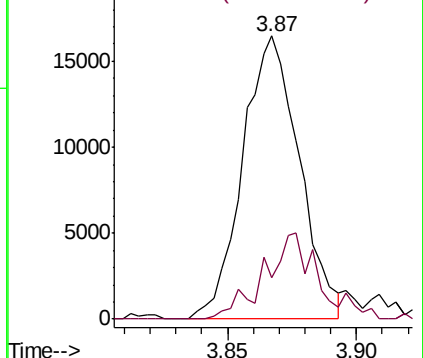
43 100

58 29.2 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.066 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.02 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

Tgt Ion: 84 Resp: 2769

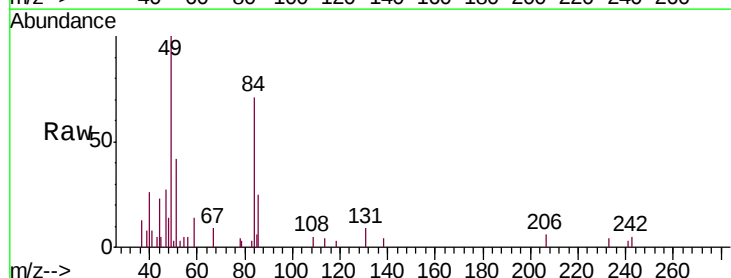
Ion Ratio Lower Upper

84 100

49 96.6 133.8 200.8#

51 46.1 43.6 65.4

86 27.1 53.1 79.7#

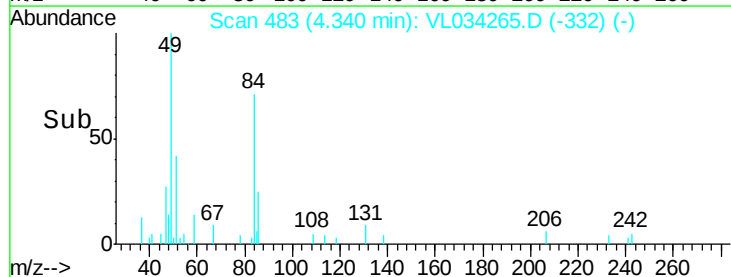
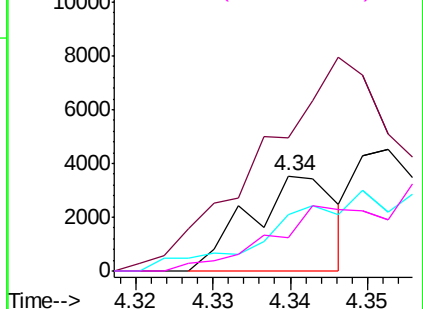


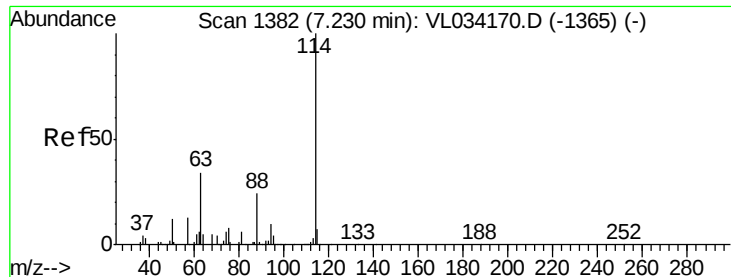
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

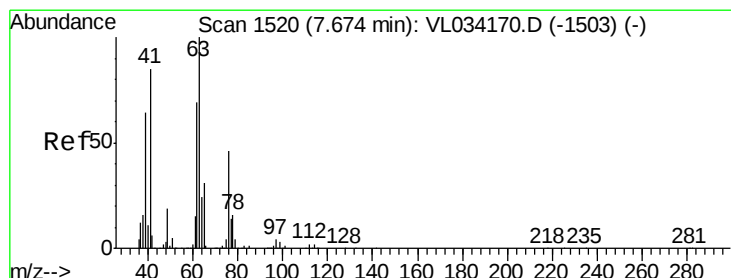
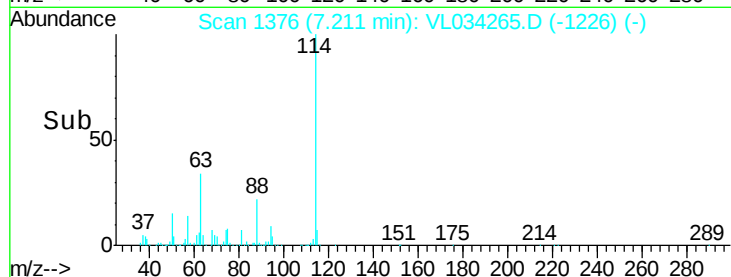
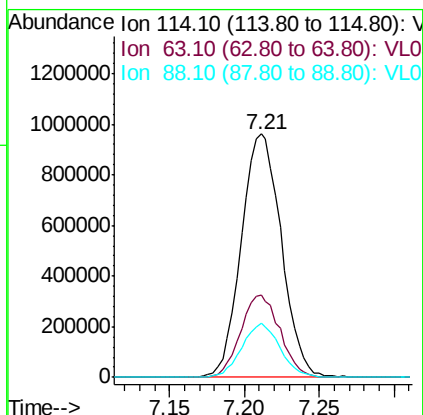
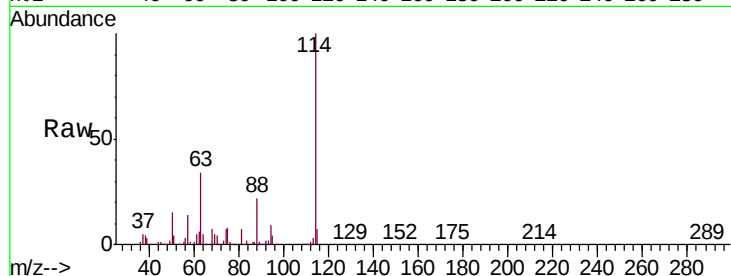




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034265.D
 Acq: 9 Oct 2019 1:50

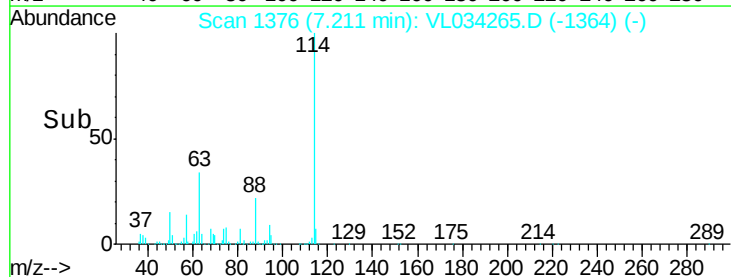
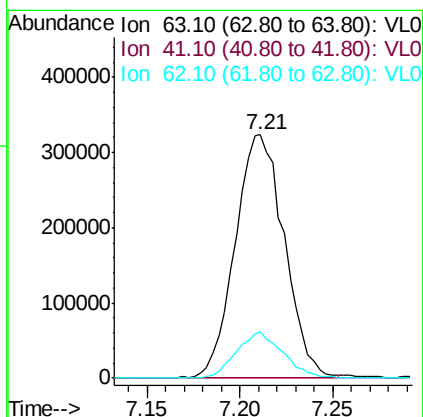
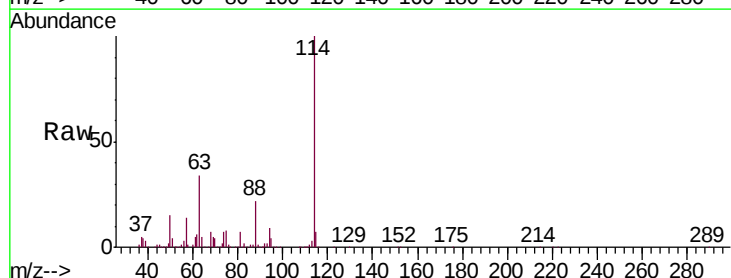
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

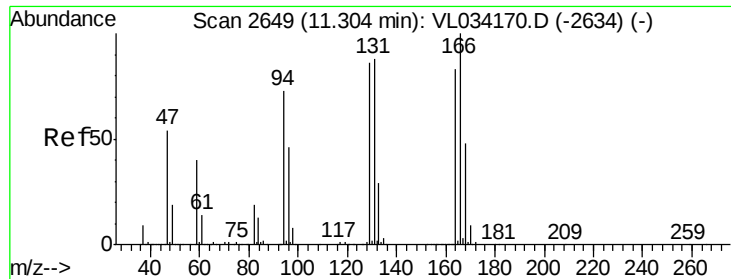
Tgt Ion: 114 Resp: 1792647
 Ion Ratio Lower Upper
 114 100
 63 33.4 27.8 41.6
 88 21.1 17.1 25.7



#39
 1,2-Dichloropropane
 Concen: 6.653 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034265.D
 Acq: 9 Oct 2019 1:50

Tgt Ion: 63 Resp: 591843
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 19.0 55.4 83.2#





#52

Tetrachloroethene

Concen: 0.030 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. -0.03 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:164 Resp: 1984

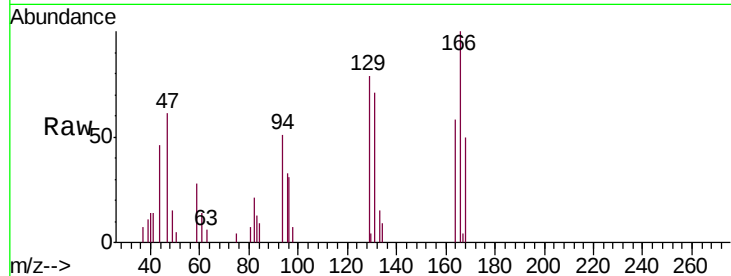
Ion Ratio Lower Upper

164 100

166 143.3 96.7 145.1

129 108.7 82.8 124.2

131 103.5 85.0 127.6

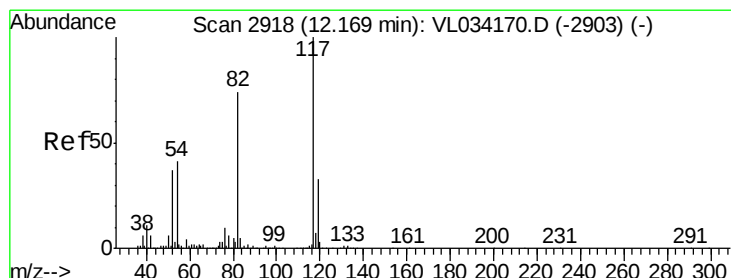
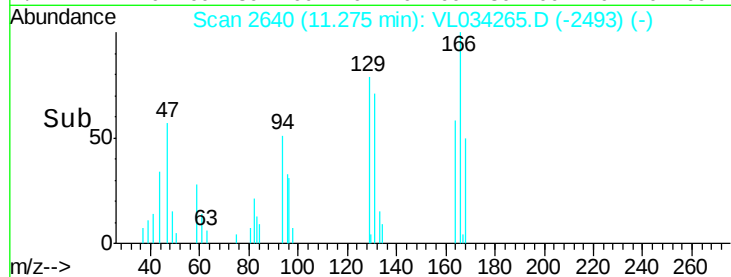
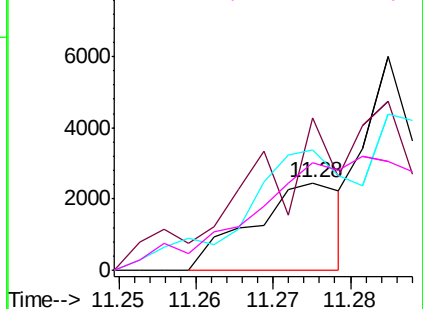


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.02 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

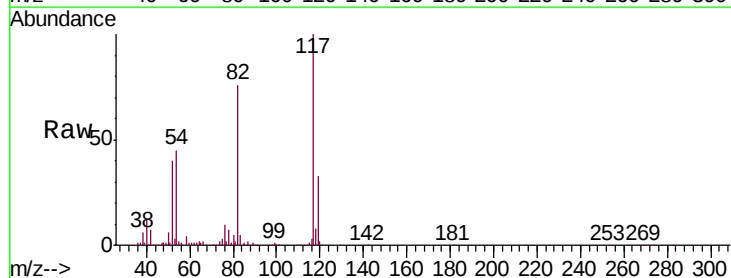
Tgt Ion:117 Resp: 1788575

Ion Ratio Lower Upper

117 100

82 77.1 58.2 87.4

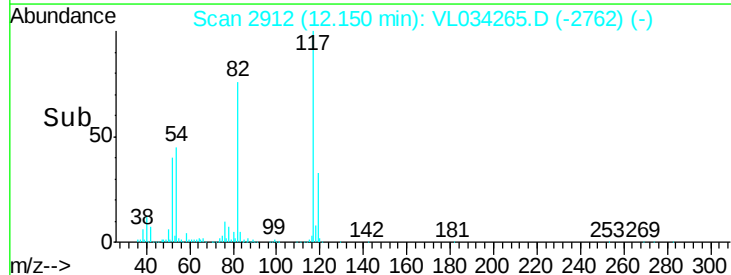
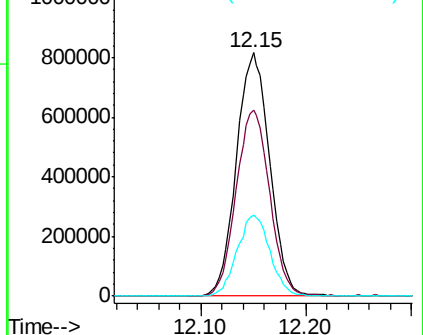
119 32.9 23.7 35.5

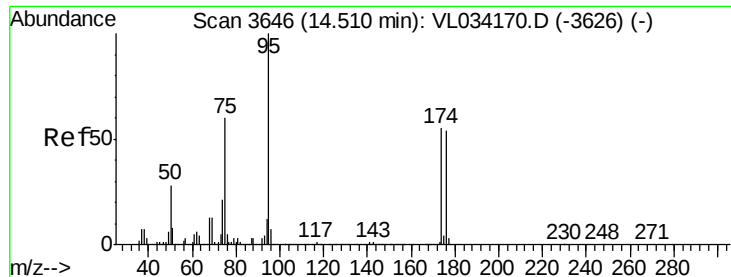


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.283 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.03 min

Lab File: VL034265.D

Acq: 9 Oct 2019 1:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

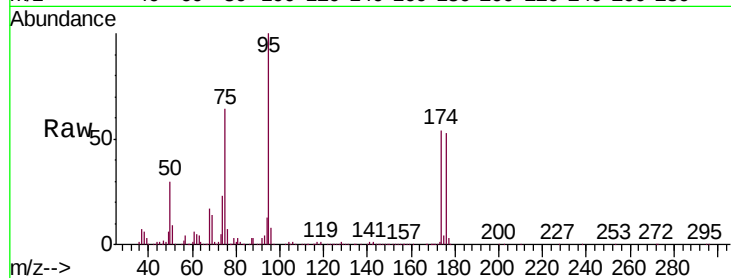
Tgt Ion: 95 Resp: 1598165

Ion Ratio Lower Upper

95 100

174 54.3 45.1 67.7

175 3.8 3.3 4.9



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

