

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034256.D
Acq On : 8 Oct 2019 19:51
Operator : SY/AP
Sample : K5222-03DL2 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
V-3DL2

Manual Integrations
APPROVED

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10/11/2019 5:07:12 PM

Quant Time: Oct 10 20:58:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
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	1127716	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1827905	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1860618	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1646845	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Qvalue
52) Tetrachloroethene	11.28	164	76960m	1.154	ppbv

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

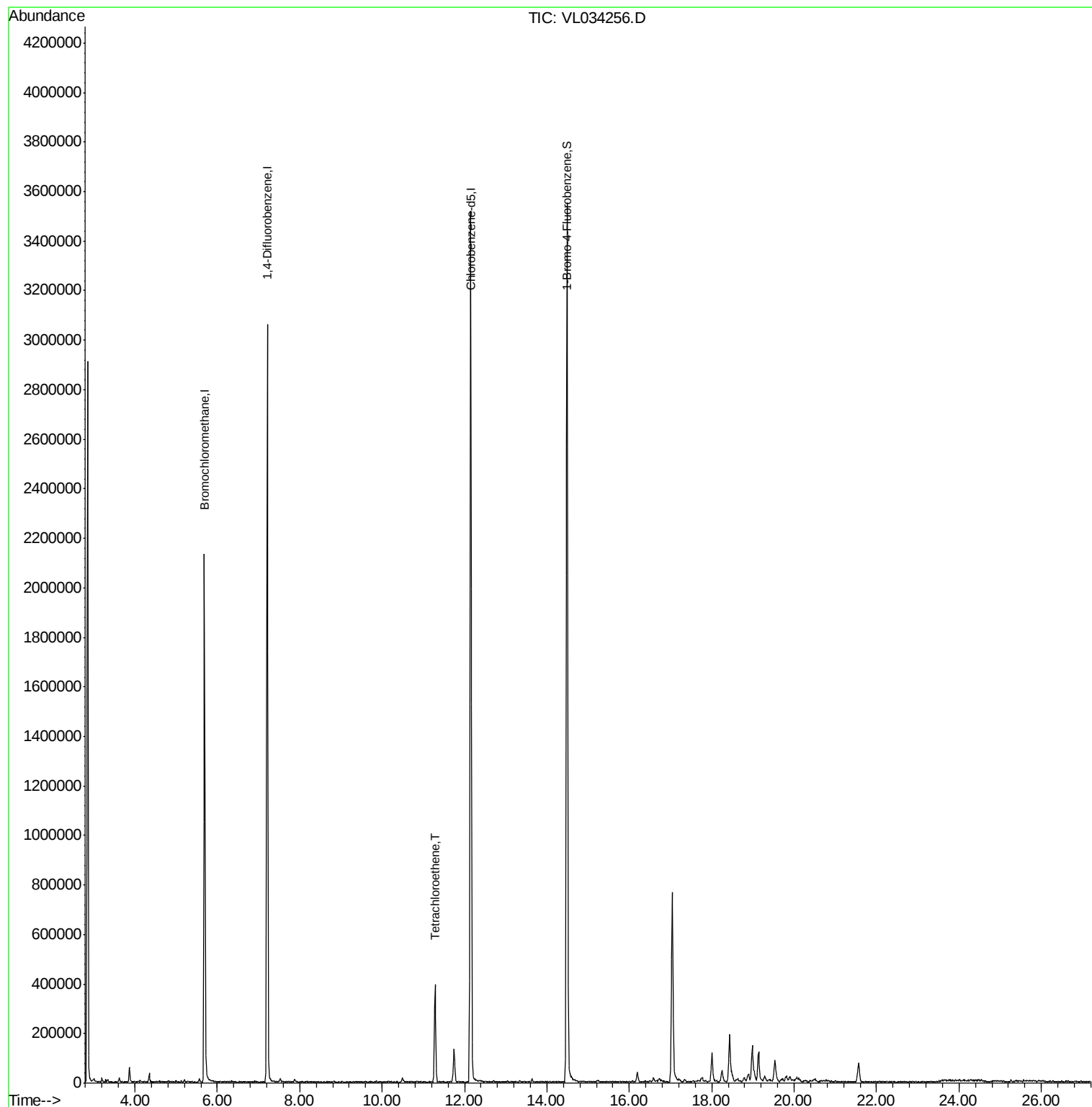
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034256.D
Acq On : 8 Oct 2019 19:51
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Misc : 400ml/MSVOA_L
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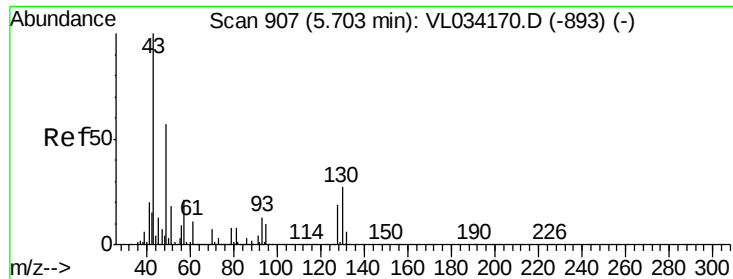
Instrument :
MSVOA_L
ClientSampleId :
V-3DL2

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Quant Time: Oct 10 20:58:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034256.D

Acq: 8 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

V-3DL2

Tgt Ion: 49 Resp: 1127716

Ion Ratio Lower Upper

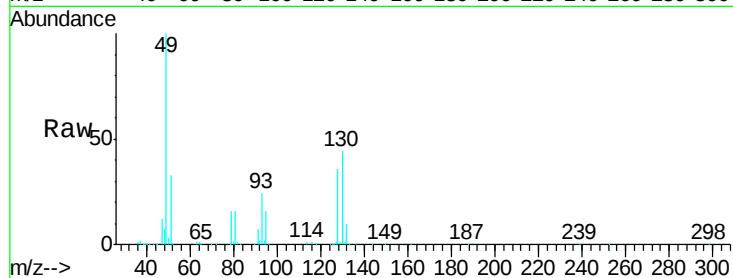
49 100

128 35.2 17.6 52.9

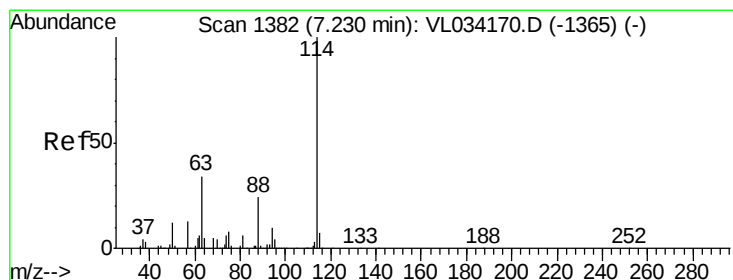
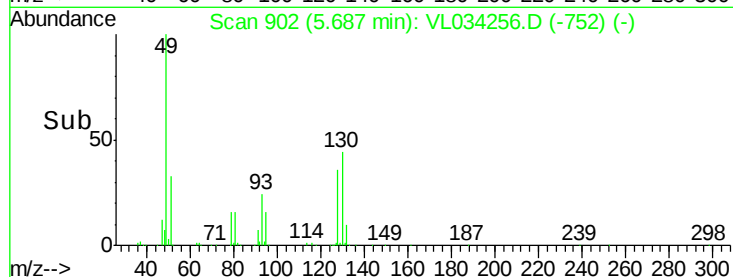
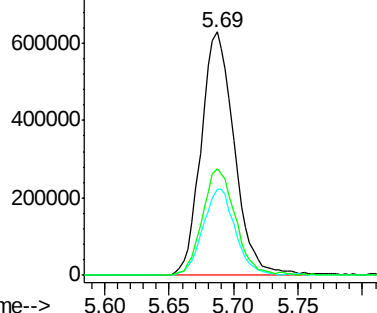
130 44.1 22.3 66.9

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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VL034256.D

Acq: 8 Oct 2019 19:51

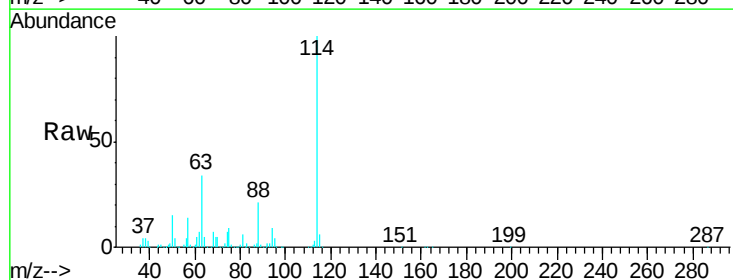
Tgt Ion: 114 Resp: 1827905

Ion Ratio Lower Upper

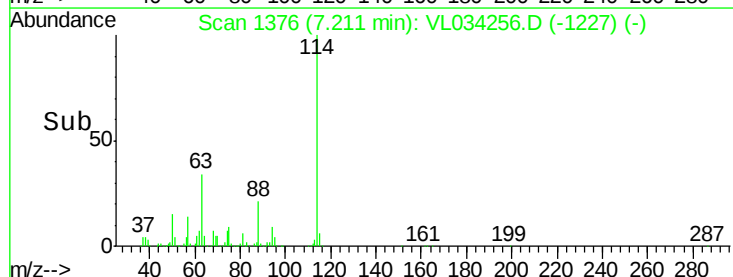
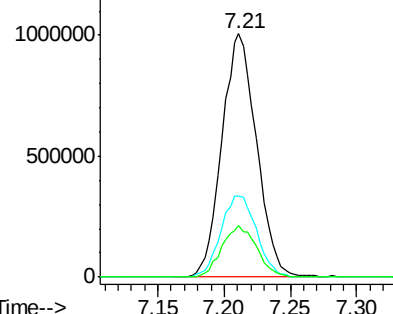
114 100

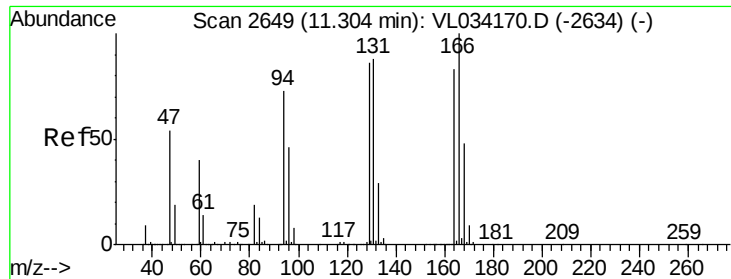
63 34.6 27.8 41.6

88 21.3 17.1 25.7



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





#52

Tetrachloroethene

Concen: 1.154 ppbv m

RT: 11.28 min Scan# 2643

Delta R.T. -0.02 min

Lab File: VL034256.D

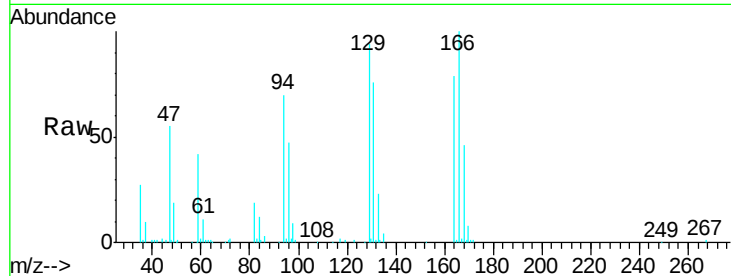
Acq: 8 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

V-3DL2



Tgt Ion:164 Resp: 76960

Ion Ratio Lower Upper

164 100

166 127.1 96.7 145.1

129 119.3 82.8 124.2

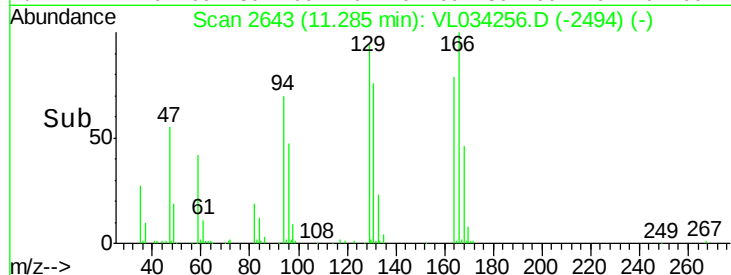
131 97.0 85.0 127.6

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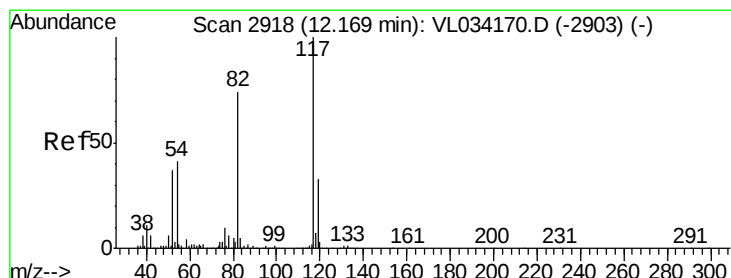
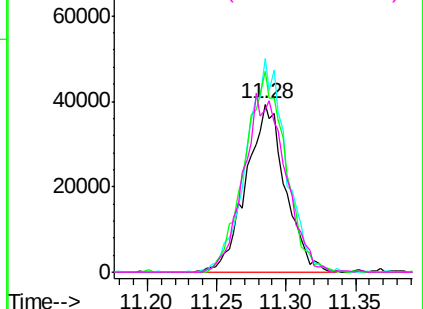


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL034256.D

Acq: 8 Oct 2019 19:51

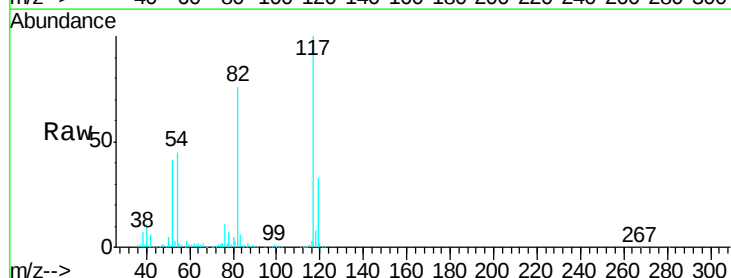
Tgt Ion:117 Resp: 1860618

Ion Ratio Lower Upper

117 100

82 76.9 58.2 87.4

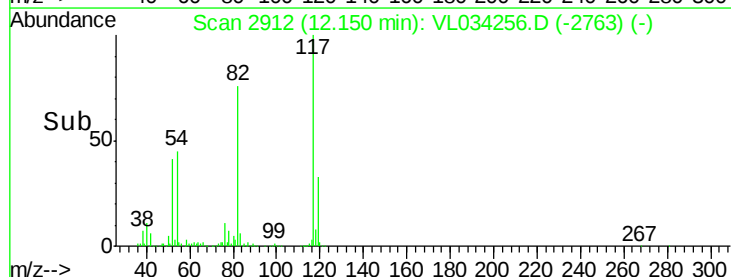
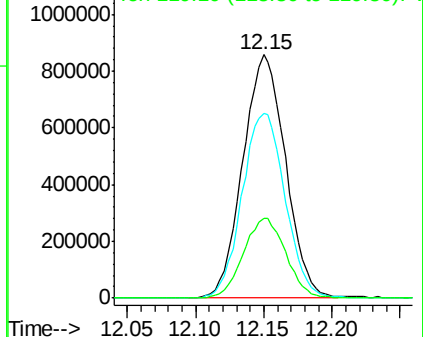
119 32.7 23.7 35.5

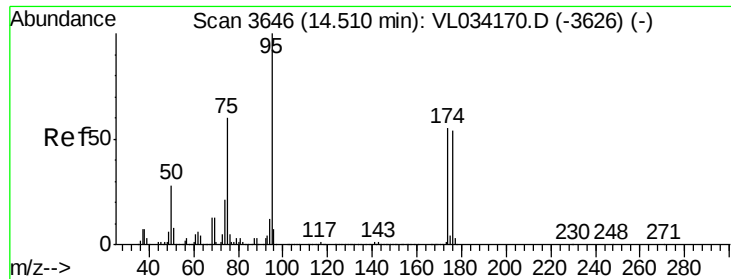


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.186 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034256.D
 Acq: 8 Oct 2019 19:51

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3DL2

Tgt Ion	Ratio	Lower	Upper
95	100		
174	54.6	45.1	67.7
175	3.9	3.3	4.9

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