

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\  
 Data File : VL032782.D  
 Acq On : 20 Nov 2018 17:26  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Nov 21 05:41:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 14 07:00:23 2018  
 QLast Update : Wed Nov 14 07:00:23 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1403619  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3514093  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 3155994  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2341790  | 9.92     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.20% |

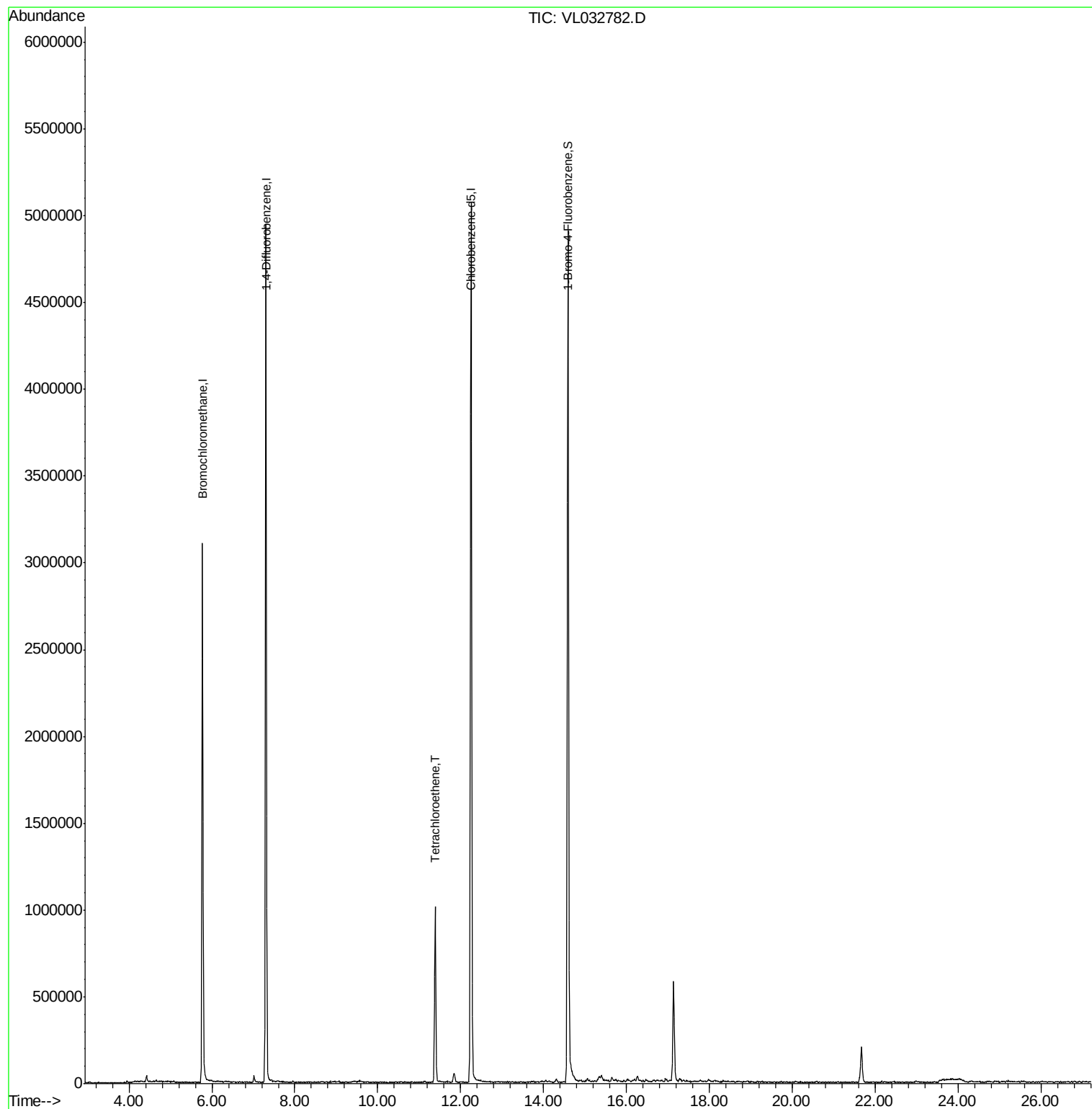
| Target Compounds      |       |     |        |       | Ovalue  |
|-----------------------|-------|-----|--------|-------|---------|
| 52) Tetrachloroethene | 11.38 | 164 | 233490 | 2.399 | ppbv 95 |

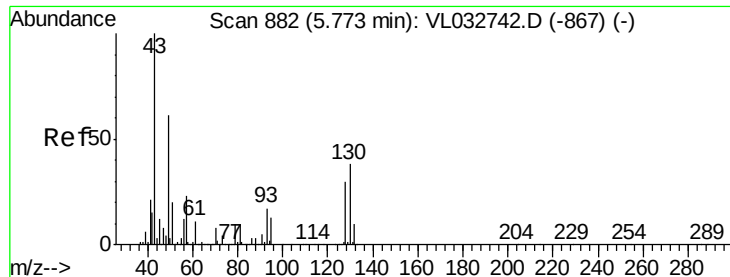
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 14 07:00:23 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032782.D

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Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

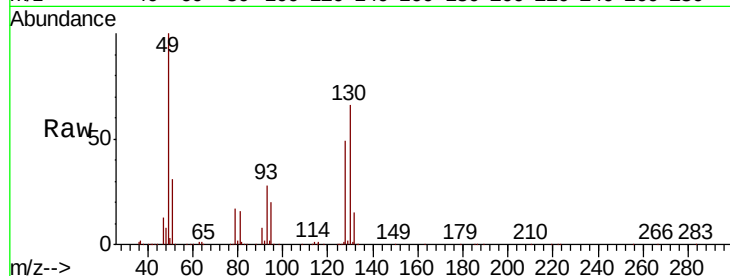
Tot Ion: 49 Resp: 1403619

Ion Ratio Lower Upper

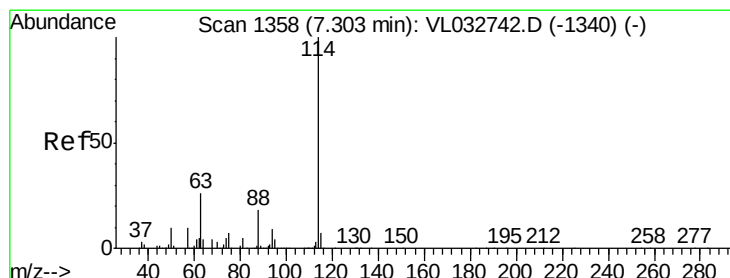
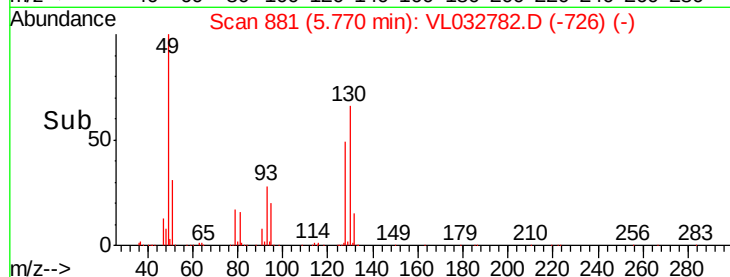
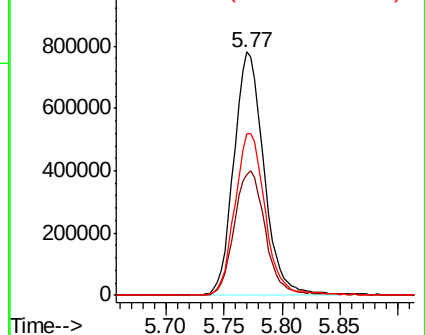
49 100

128 53.0 24.9 74.6

130 67.9 31.4 94.2



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: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

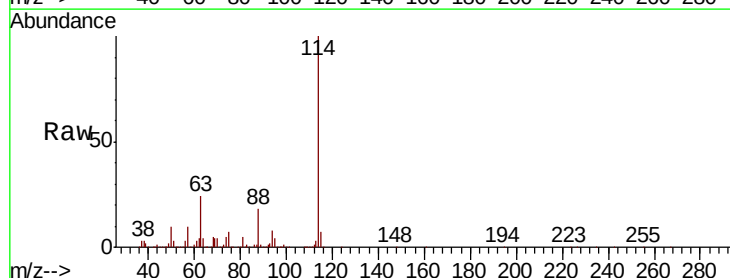
Tgt Ion: 114 Resp: 3514093

Ion Ratio Lower Upper

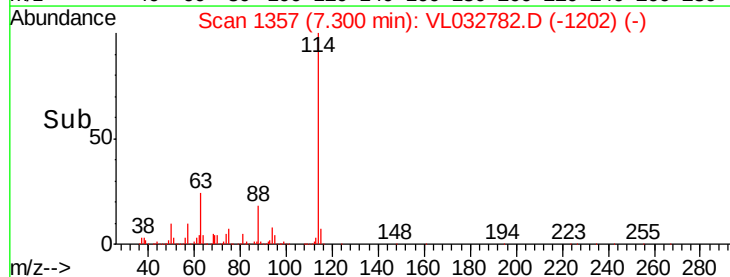
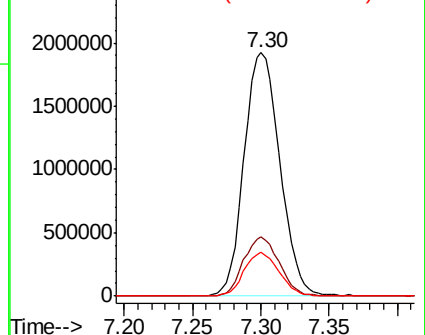
114 100

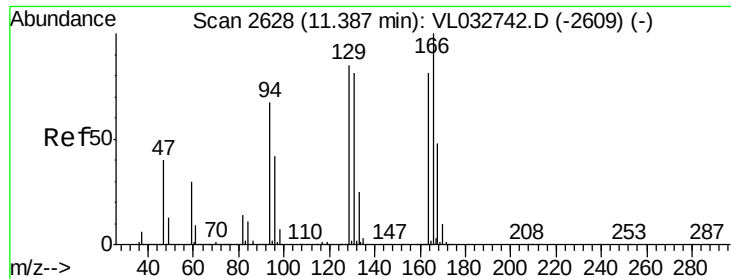
63 24.3 20.9 31.3

88 17.5 14.4 21.6



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: 2.399 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

VIBLK

Tot Ion:164 Resp: 233490

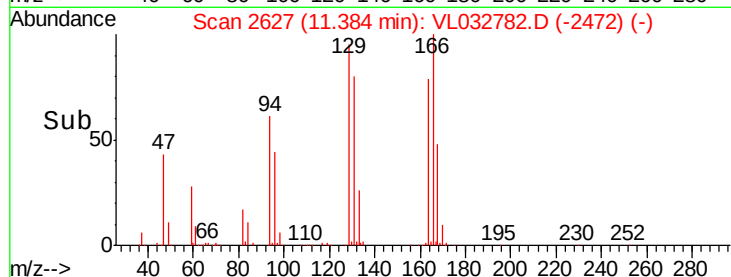
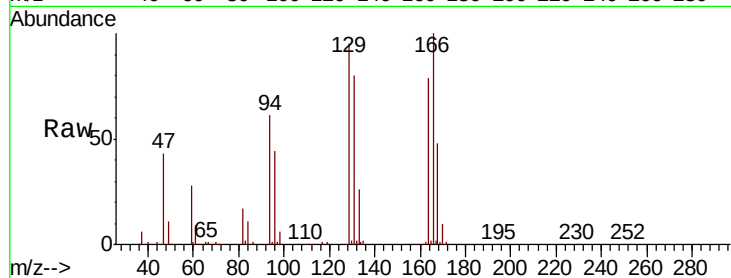
Ion Ratio Lower Upper

164 100

166 126.1 99.3 148.9

129 119.2 83.9 125.9

131 100.8 80.8 121.2

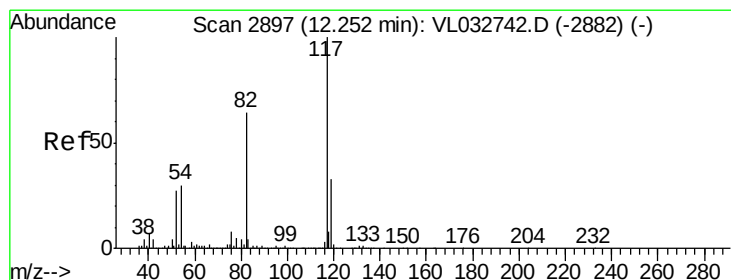
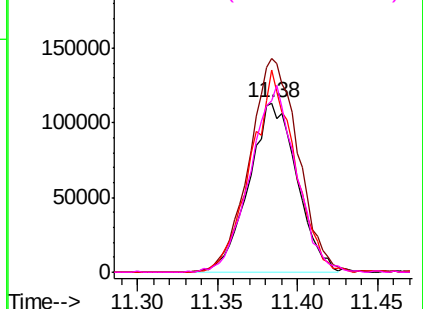


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032782.D

Acq: 20 Nov 2018 17:26

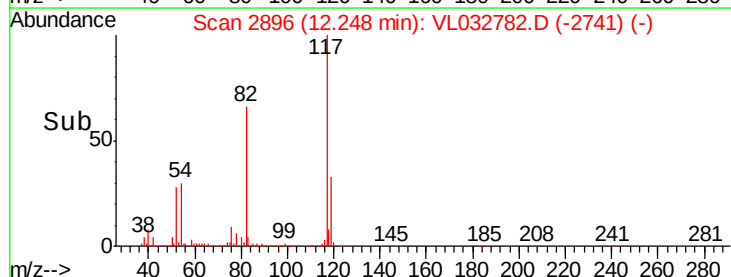
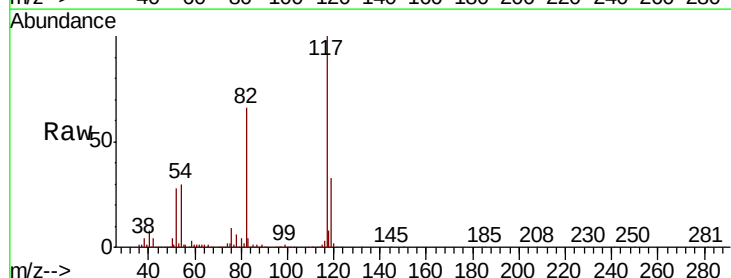
Tgt Ion:117 Resp: 3155994

Ion Ratio Lower Upper

117 100

82 64.4 51.0 76.6

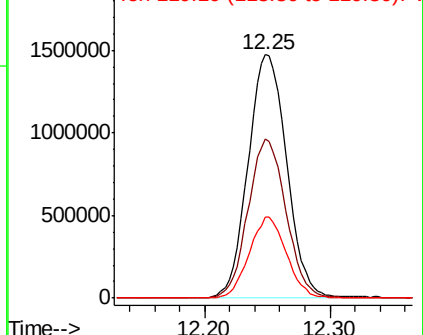
119 32.4 28.0 42.0

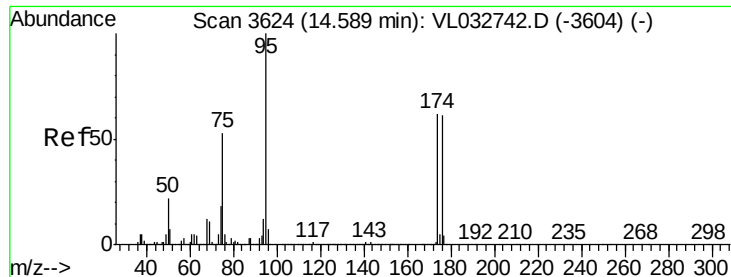


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.921 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

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VIBLK

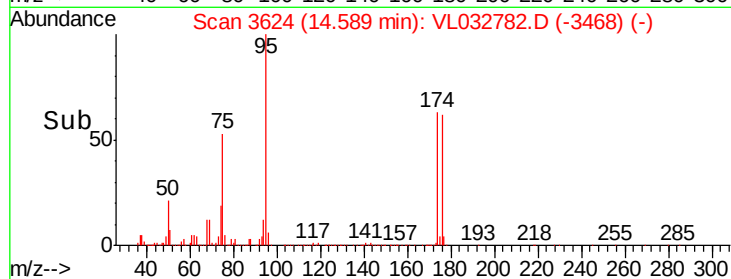
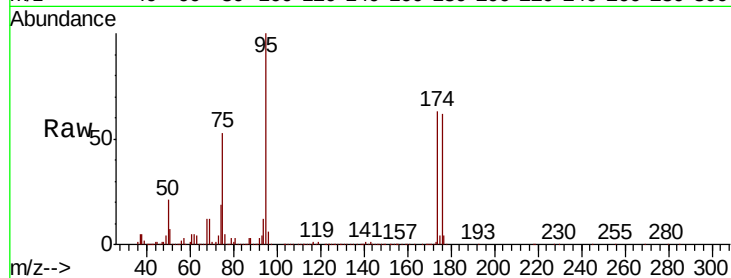
Tot Ion: 95 Resp: 2341790

Ion Ratio Lower Upper

95 100

174 67.2 50.7 76.1

175 4.9 3.8 5.6



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

