

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR062118\  
 Data File : VR025402.D  
 Acq On : 21 Jun 2018 17:42  
 Operator : SY/MD  
 Sample : J3513-20  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VHBLK01

Quant Time: Jun 22 02:53:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 22 02:50:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 498104   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 438039   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 138593   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 83835    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.80%   |
| 7) Chloroethane-d5             | 2.64   | 69    | 65807    | 5.28     | ug/L | 0.01     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.65   | 63    | 188500   | 4.32     | ug/L | 0.01     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.40%   |
| 20) 2-Butanone-d5              | 6.60   | 46    | 292917   | 64.41    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 128.82%  |
| 24) Chloroform-d               | 7.20   | 84    | 374866   | 5.92     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 118.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 153382   | 6.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 126.40%  |
| 32) Benzene-d6                 | 7.86   | 84    | 803101   | 5.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 240626   | 5.70     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 114.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 701604   | 5.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 44883    | 4.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.00%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 250412   | 64.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 128.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 104604   | 6.37     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 127.40%# |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 158769   | 6.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 135.00%# |

## Target Compounds

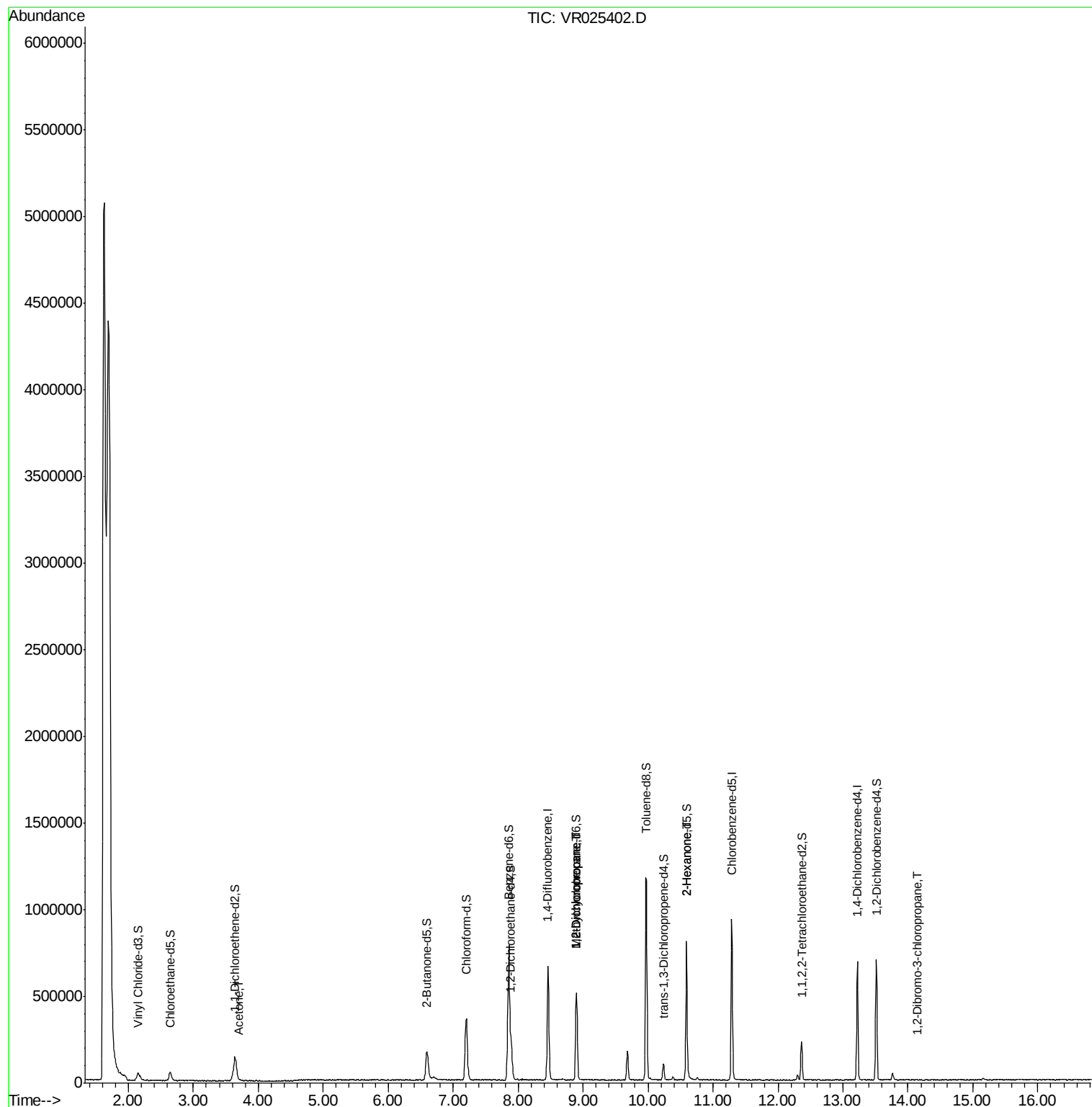
|                                |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                    | 3.71  | 43 | 635   | 0.309 ug/L   | 93     |
| 35) Methylcyclohexane          | 8.90  | 83 | 52297 | 0.796 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 8.90  | 63 | 24821 | 0.649 ug/L # | 91     |
| 48) 2-Hexanone                 | 10.59 | 43 | 31500 | 3.994 ug/L # | 68     |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75 | 365   | 0.237 ug/L # | 28     |

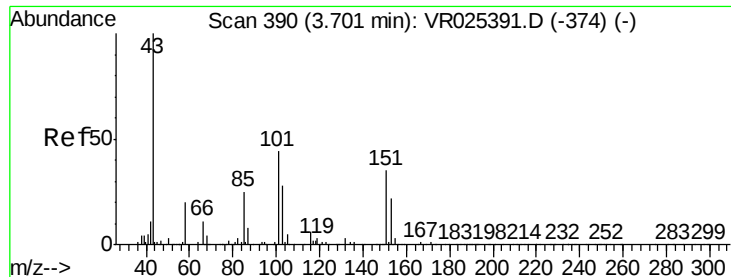
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 22 02:50:30 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 0.309 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025402.D

Acq: 21 Jun 2018 17:42

Instrument :

MSVOA\_R

ClientSampleId :

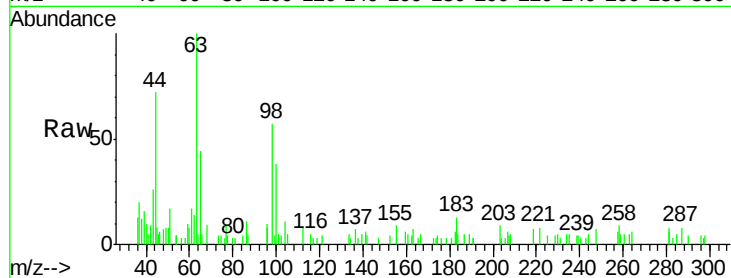
VHBLK01

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

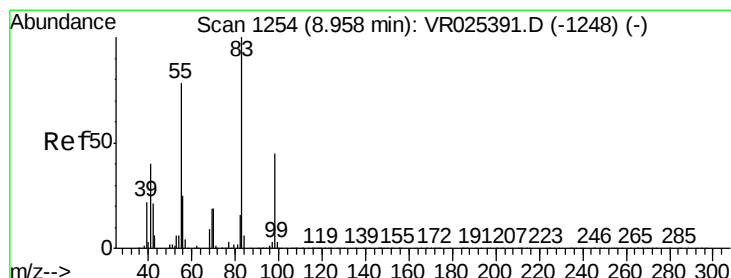
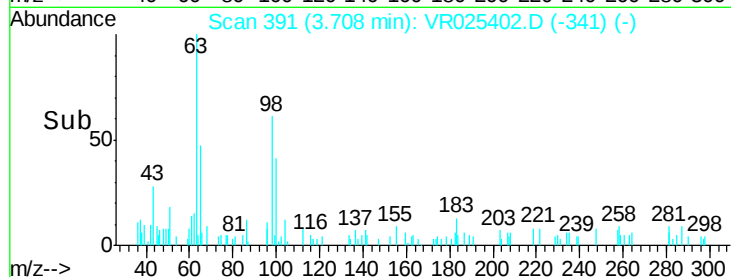
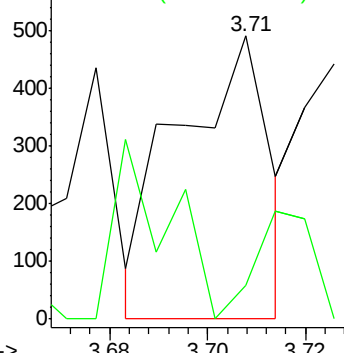
43 100

58 24.1 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#35

Methylcyclohexane

Concen: 0.796 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.06 min

Lab File: VR025402.D

Acq: 21 Jun 2018 17:42

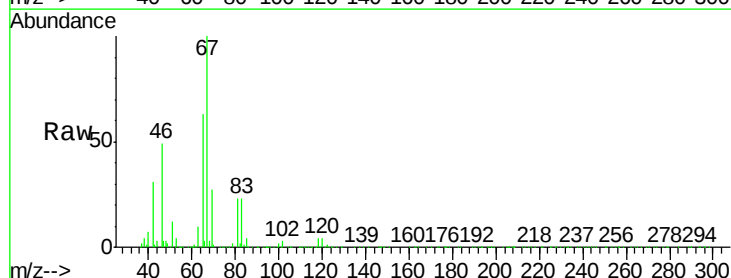
Tgt Ion: 83 Resp: 52297

Ion Ratio Lower Upper

83 100

55 0.2 66.1 99.1#

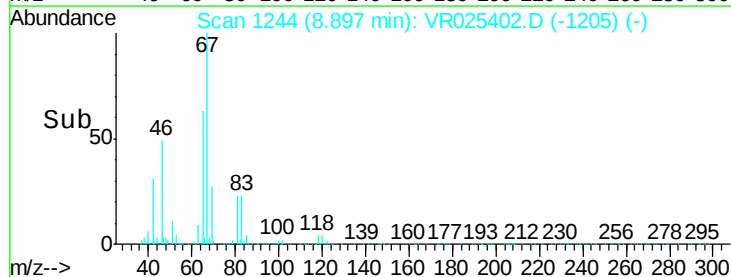
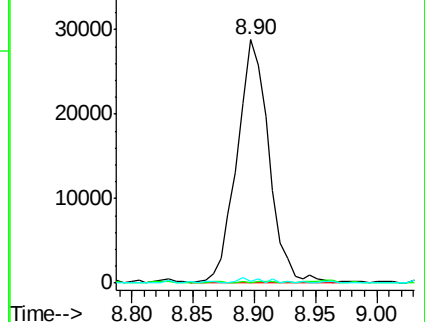
98 1.9 36.2 54.4#

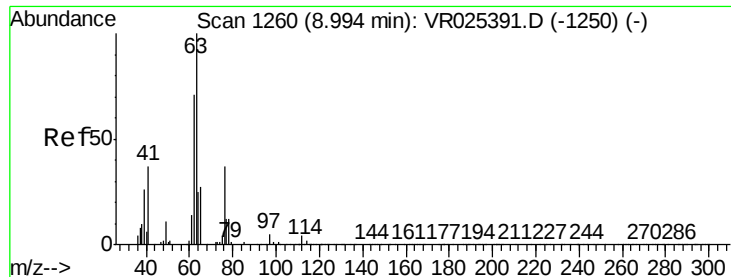


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

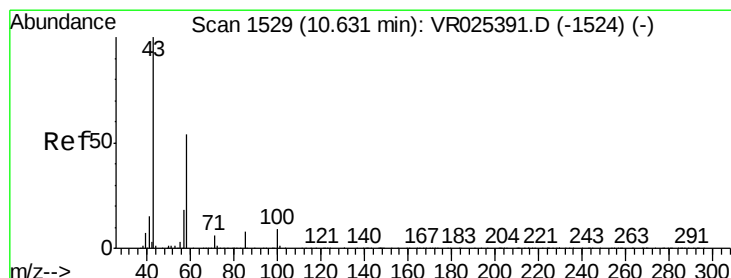
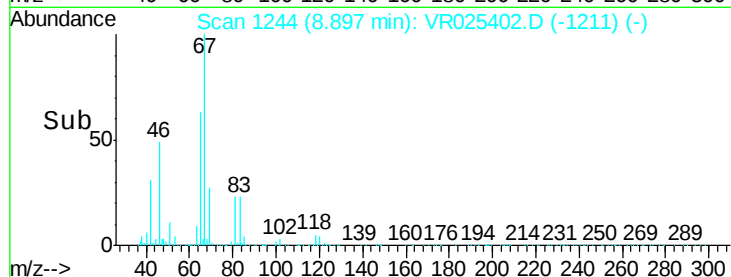
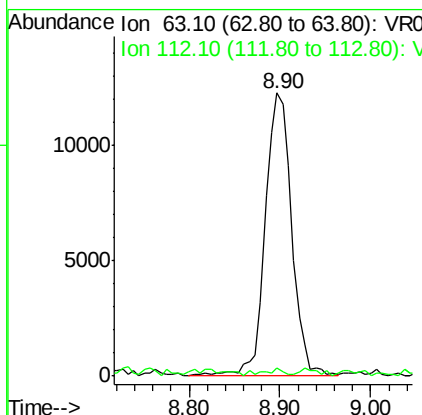
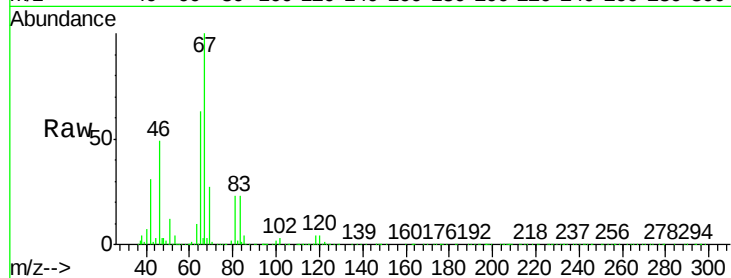




#37  
 1,2-Dichloropropane  
 Concen: 0.649 ug/L  
 RT: 8.90 min Scan# 1244  
 Delta R.T. -0.10 min  
 Lab File: VR025402.D  
 Acq: 21 Jun 2018 17:42

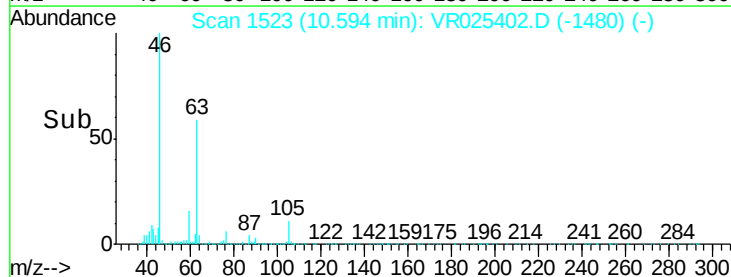
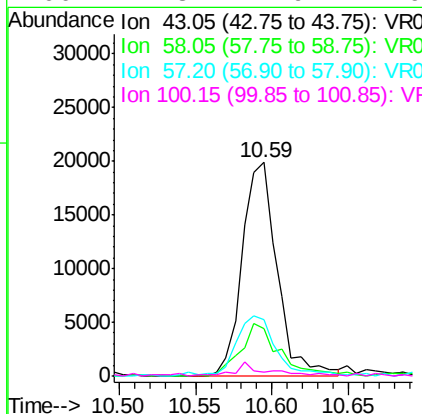
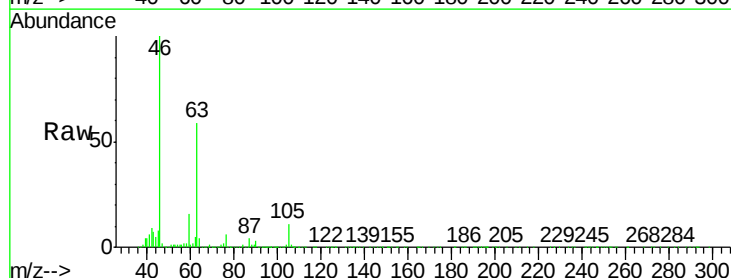
Instrument :  
 MSVOA\_R  
 ClientSampled :  
 VHBLK01

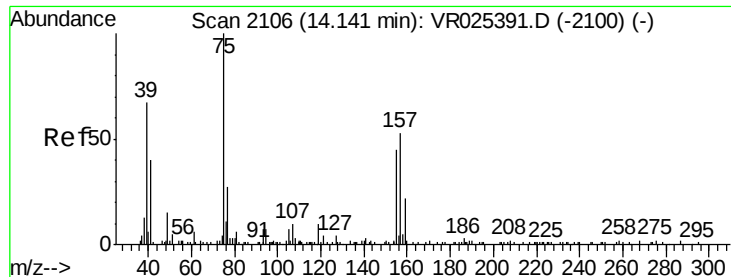
Tgt Ion: 63 Resp: 24821  
 Ion Ratio Lower Upper  
 63 100  
 112 0.6 2.9 4.3#



#48  
 2-Hexanone  
 Concen: 3.994 ug/L  
 RT: 10.59 min Scan# 1523  
 Delta R.T. -0.04 min  
 Lab File: VR025402.D  
 Acq: 21 Jun 2018 17:42

Tgt Ion: 43 Resp: 31500  
 Ion Ratio Lower Upper  
 43 100  
 58 27.8 43.1 64.7#  
 57 32.1 15.3 22.9#  
 100 4.3 7.9 11.9#





#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.237 ug/L  
 RT: 14.15 min Scan# 2107  
 Delta R.T. 0.01 min  
 Lab File: VR025402.D  
 Acq: 21 Jun 2018 17:42

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VHBLK01

Tgt Ion: 75 Resp: 365  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 74.1 111.1#  
 157 44.8 71.0 106.6#

