

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR061618\  
 Data File : VR025340.D  
 Acq On : 17 Jun 2018 1:44  
 Operator : SY/MD  
 Sample : VR0616WBL02  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VBLK84

Quant Time: Jun 18 04:09:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 18 04:02:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 557696   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 466416   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 153381   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

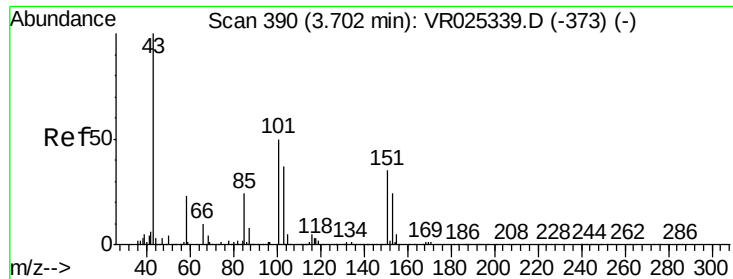
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 121107   | 6.37     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 127.40% |
| 7) Chloroethane-d5             | 2.64   | 69    | 85810    | 6.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 123.00% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 224774   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 92.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 266330   | 52.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.62% |
| 24) Chloroform-d               | 7.20   | 84    | 353334   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 139599   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80% |
| 32) Benzene-d6                 | 7.86   | 84    | 818657   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 233402   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.00% |
| 41) Toluene-d8                 | 9.97   | 98    | 732179   | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.80% |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 44733    | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 221400   | 53.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 94190    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.80% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 148335   | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.00% |

## Target Compounds

|                         |       |    |       |              | Qvalue |
|-------------------------|-------|----|-------|--------------|--------|
| 13) Acetone             | 3.70  | 43 | 1456  | 0.633 ug/L   | 63     |
| 34) Trichloroethene     | 8.45  | 95 | 17029 | 0.384 ug/L # | 10     |
| 35) Methylcyclohexane   | 8.90  | 83 | 51566 | 0.738 ug/L # | 17     |
| 37) 1,2-Dichloropropane | 8.90  | 63 | 22785 | 0.560 ug/L # | 91     |
| 48) 2-Hexanone          | 10.59 | 43 | 26515 | 3.157 ug/L # | 70     |

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

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ALS Vial : 22 Sample Multiplier: 1



#13

Acetone

Concen: 0.633 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

Lab File: VR025340.D

Acq: 17 Jun 2018 1:44

Instrument :

MSVOA\_R

ClientSampleId :

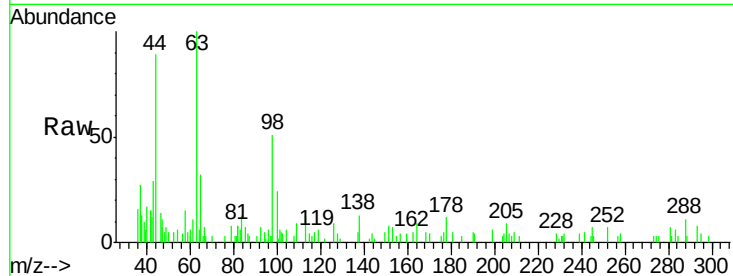
VBLK84

Tgt Ion: 43 Resp: 1456

Ion Ratio Lower Upper

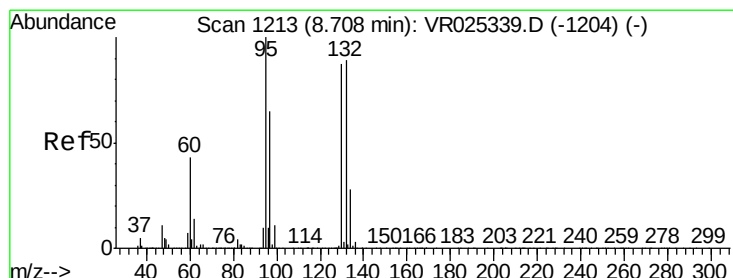
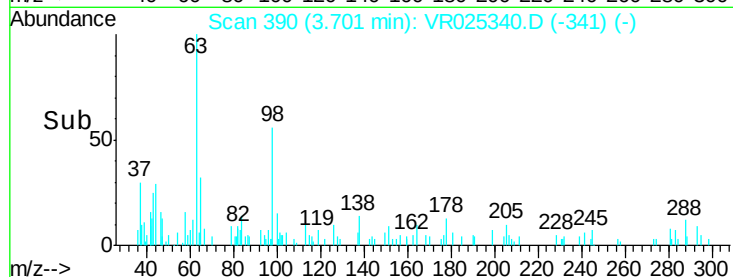
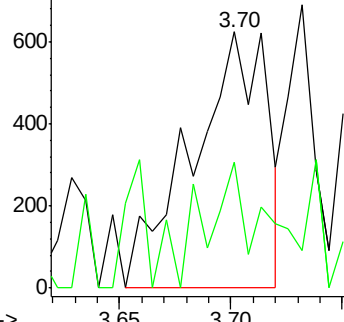
43 100

58 38.1 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#34

Trichloroethene

Concen: 0.384 ug/L

RT: 8.45 min Scan# 1171

Delta R.T. -0.26 min

Lab File: VR025340.D

Acq: 17 Jun 2018 1:44

Tgt Ion: 95 Resp: 17029

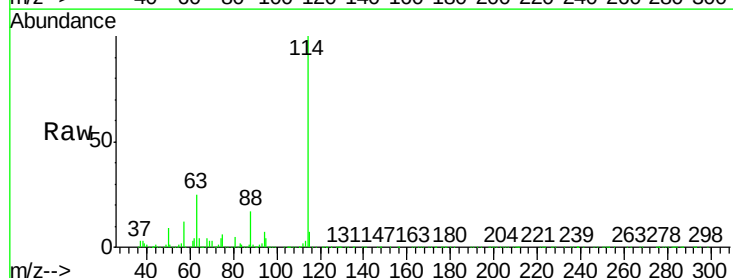
Ion Ratio Lower Upper

95 100

97 2.4 45.6 84.6#

132 0.0 60.9 113.1#

130 0.7 62.0 115.2#

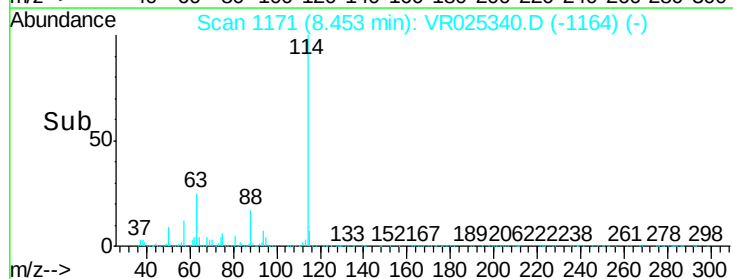
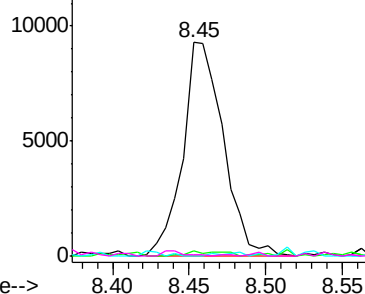


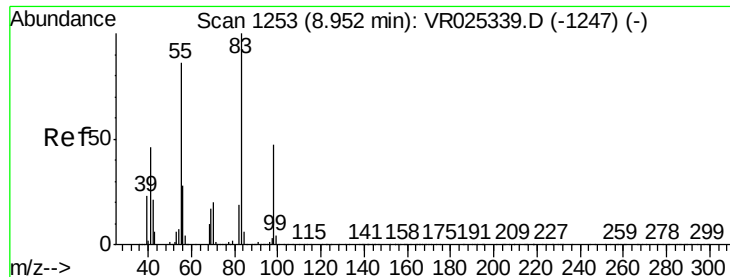
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

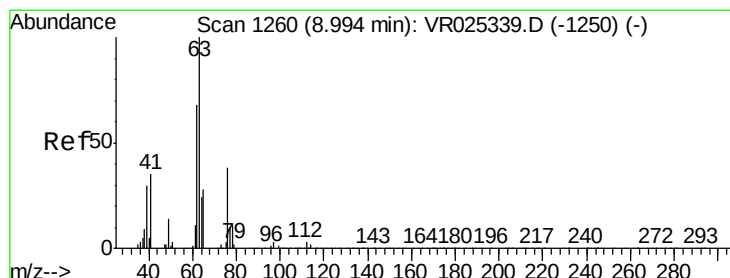
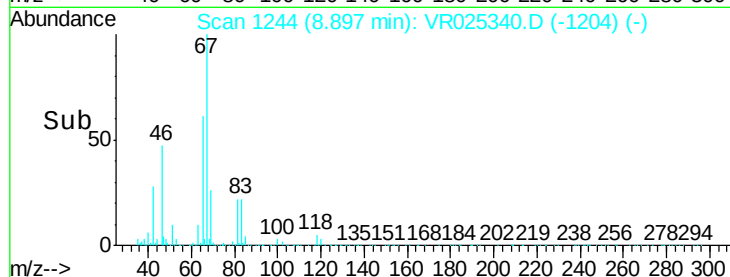
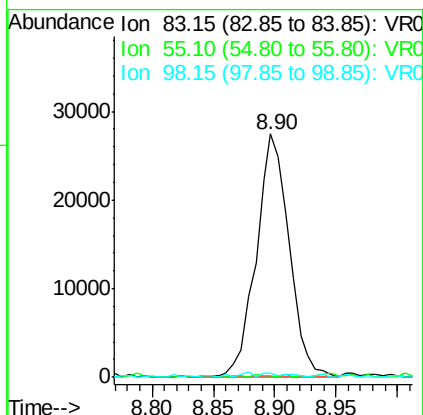
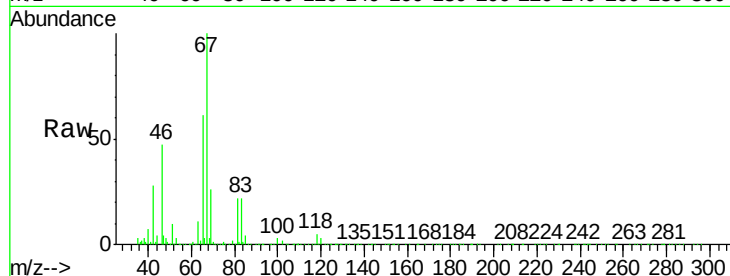




#35  
Methylcyclohexane  
Concen: 0.738 ug/L  
RT: 8.90 min Scan# 1244  
Delta R.T. -0.05 min  
Lab File: VR025340.D  
Acq: 17 Jun 2018 1:44

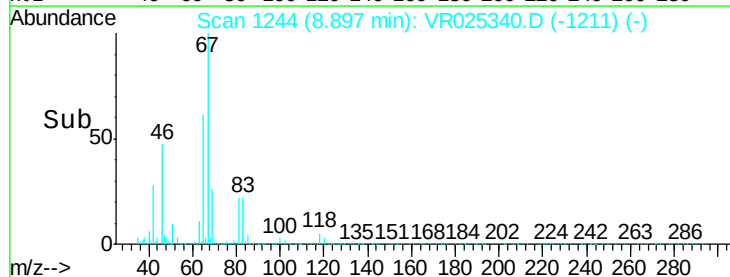
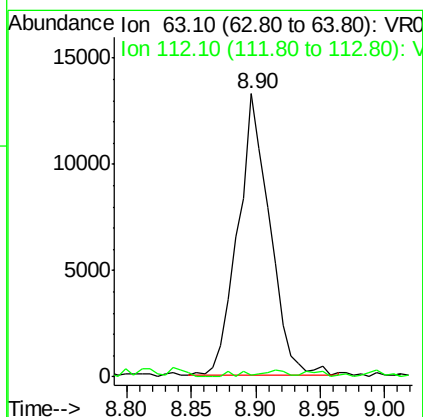
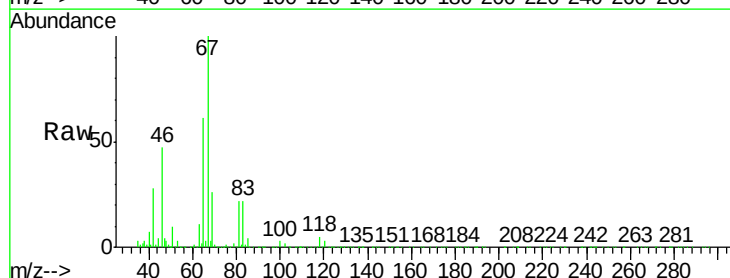
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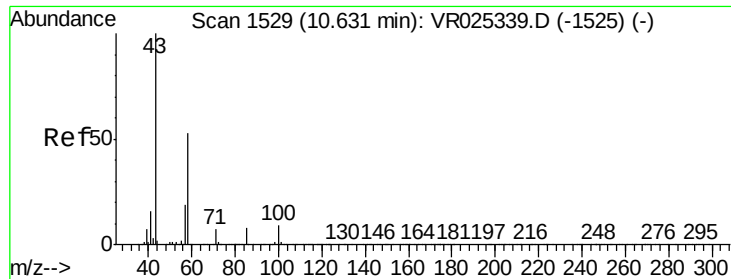
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.5   | 66.1  | 99.1# |
| 98      | 1.3   | 36.2  | 54.4# |



#37  
1,2-Dichloropropane  
Concen: 0.560 ug/L  
RT: 8.90 min Scan# 1244  
Delta R.T. -0.10 min  
Lab File: VR025340.D  
Acq: 17 Jun 2018 1:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.6   | 2.9   | 4.3#  |





#48

2-Hexanone

Concen: 3.157 ug/L

RT: 10.59 min Scan# 1522

Delta R.T. -0.04 min

Lab File: VR025340.D

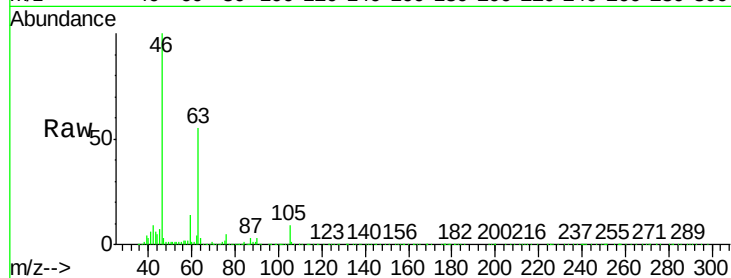
Acq: 17 Jun 2018 1:44

Instrument :

MSVOA\_R

ClientSampleId :

VBLK84



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26515 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.8  | 43.1  | 64.7# |
| 57       | 27.3  | 15.3  | 22.9# |
| 100      | 4.3   | 7.9   | 11.9# |

