

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV090418\  
 Data File : VV007361.D  
 Acq On : 05 Sep 2018 05:27  
 Operator : SY/MD  
 Sample : VV0904WBL02  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK73

Quant Time: Sep 05 05:46:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 05 05:24:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 556202   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 526906   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 197176   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 187948   | 47.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.62%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 126673   | 48.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 256770   | 36.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.38%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 293639   | 90.87    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.87%  |
| 24) Chloroform-d               | 4.41    | 84    | 391259   | 47.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 248156   | 50.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.12% |
| 32) Benzene-d6                 | 5.11    | 84    | 791104   | 49.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 264524   | 49.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.40%  |
| 41) Toluene-d8                 | 7.37    | 98    | 633510   | 46.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.68%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 99456    | 43.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.74%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 185194   | 88.77    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.77%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 337082   | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.74%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 230683   | 54.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.88% |

## Target Compounds

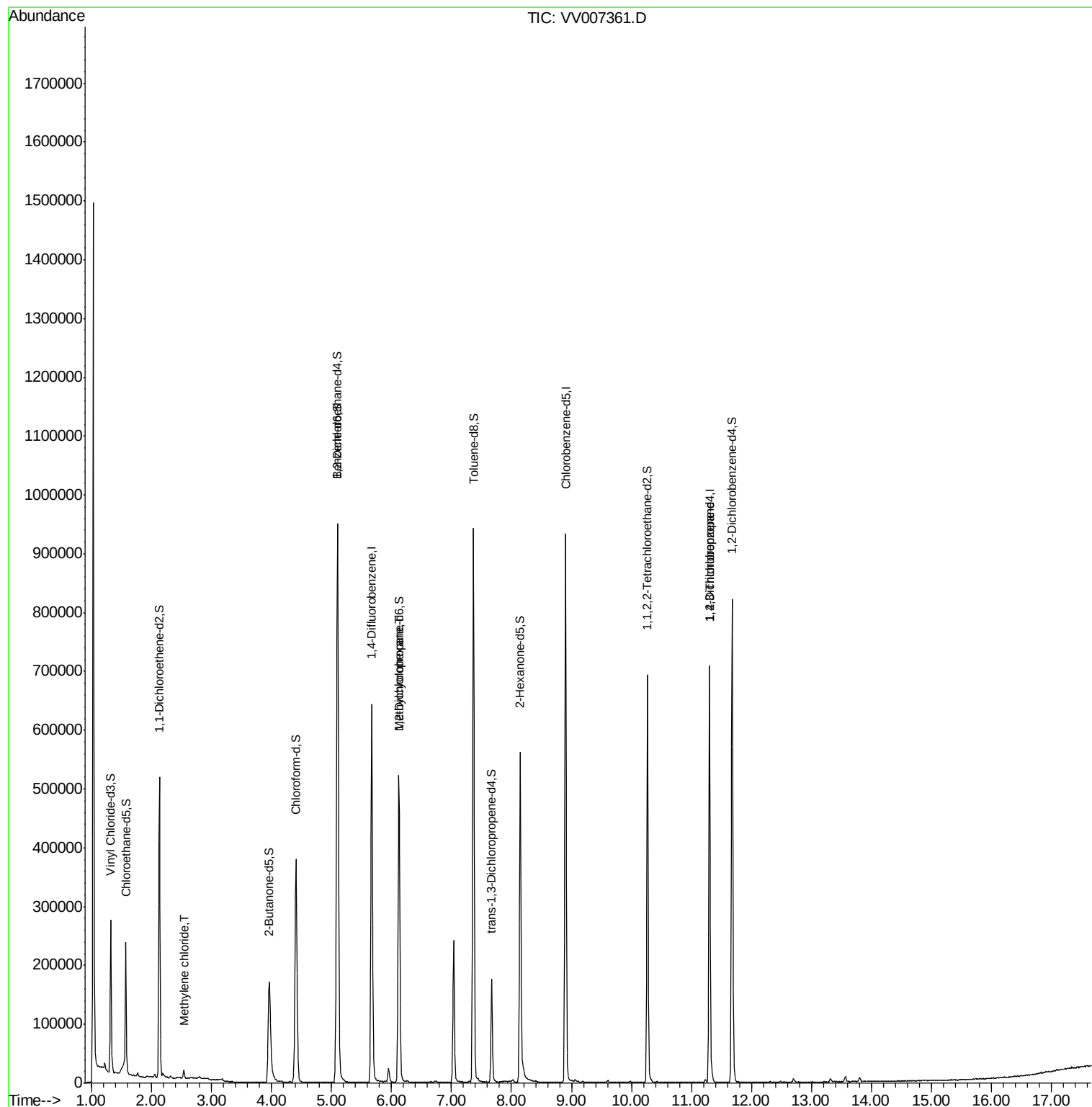
|                            |       |    |       |               | Qvalue |
|----------------------------|-------|----|-------|---------------|--------|
| 16) Methylene chloride     | 2.54  | 84 | 6008  | 1.436 ug/L    | 95     |
| 35) Methylcyclohexane      | 6.12  | 83 | 62309 | 10.156 ug/L # | 18     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 22672 | 4.116 ug/L    | 89     |

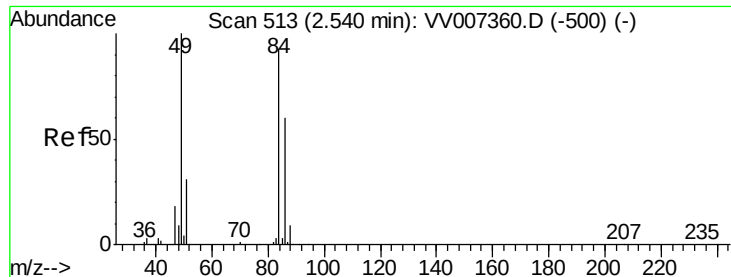
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VV0904WBL02  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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QLast Update : Wed Sep 05 05:24:54 2018  
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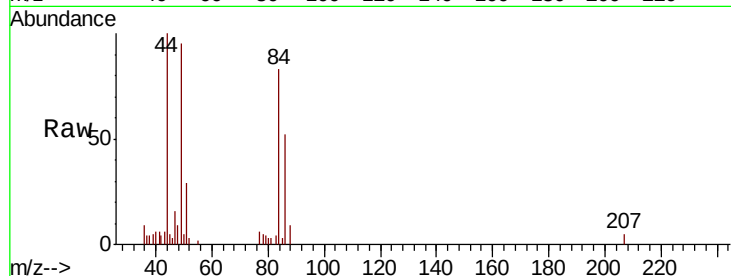




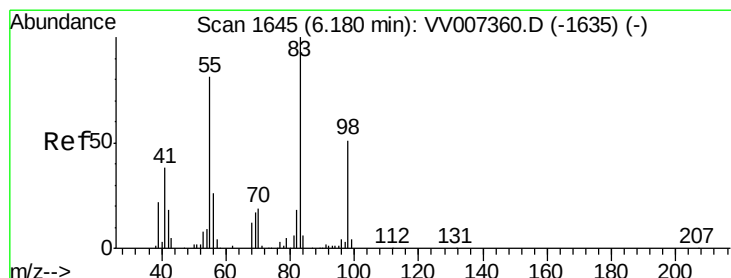
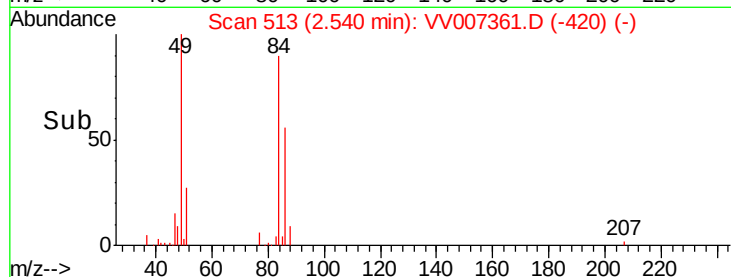
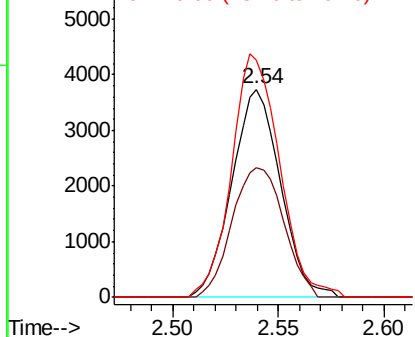
#16  
Methylene chloride  
Concen: 1.436 ug/L  
RT: 2.54 min Scan# 513  
Delta R.T. -0.00 min  
Lab File: VV007361.D  
Acq: 05 Sep 2018 05:27

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK73

Tgt Ion: 84 Resp: 6008  
Ion Ratio Lower Upper  
84 100  
86 62.3 45.3 84.1  
49 114.0 75.6 140.4

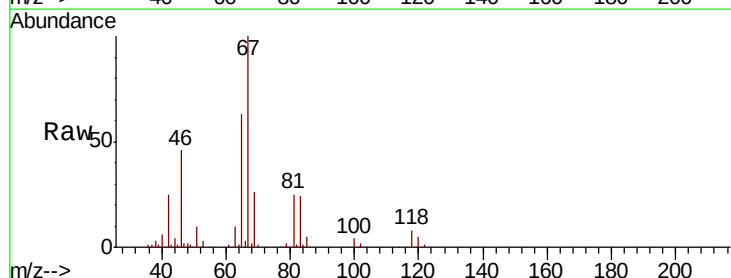


Abundance Ion 84.00 (83.70 to 84.70): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.00 (48.70 to 49.70): VV0

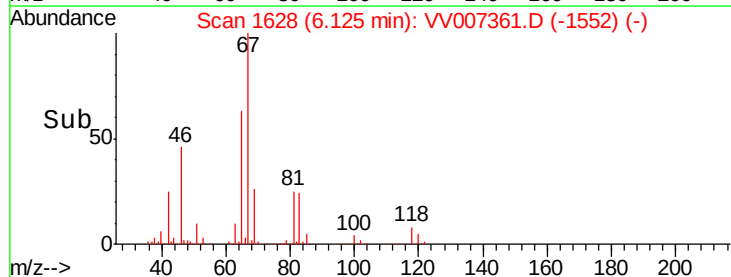
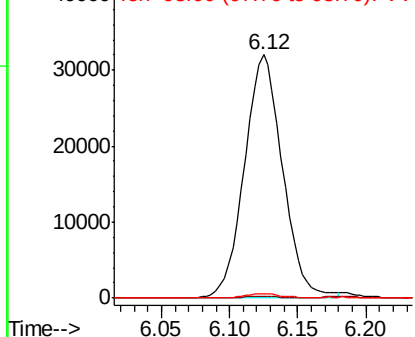


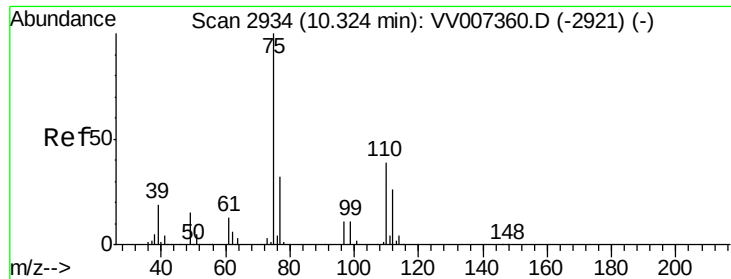
#35  
Methylcyclohexane  
Concen: 10.156 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV007361.D  
Acq: 05 Sep 2018 05:27

Tgt Ion: 83 Resp: 62309  
Ion Ratio Lower Upper  
83 100  
55 0.6 63.0 94.4#  
98 1.8 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0





#59

1,2,3-Trichloropropane

Concen: 4.116 ug/L

RT: 11.30 min Scan# 3237

Delta R.T. 0.97 min

Lab File: VV007361.D

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Instrument :

MSVOA\_V

ClientSampleId :

VBLK73

Tgt Ion: 75 Resp: 22672

Ion Ratio Lower Upper

75 100

77 37.9 25.5 38.3

