

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\  
 Data File : VW004901.D  
 Acq On : 23 Aug 2018 17:02  
 Operator : SY/AP  
 Sample : J4624-04  
 Misc : 5.57G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E4430

Manual Integrations  
 APPROVED

MMDadoda  
 8/27/2018 1:45:23 PM

Quant Time: Aug 24 06:48:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 05:01:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 810463   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 778010   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 392993   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 318120   | 20.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.08%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 241222   | 21.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 329507   | 16.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.36%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 89903    | 28.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.68%  |
| 24) Chloroform-d               | 7.65   | 84    | 410277   | 22.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 212595   | 21.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.96%  |
| 29) Benzene-d6                 | 8.28   | 84    | 1053618  | 26.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.32% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 301912   | 25.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 1044573  | 24.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.56%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 120638   | 23.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.40%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 99786    | 34.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.50%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 227232   | 19.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 378886   | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.00%  |

## Target Compounds

|                            |       |     |          |         | Ovalue |    |
|----------------------------|-------|-----|----------|---------|--------|----|
| 13) Acetone                | 4.15  | 43  | 8316m    | 3.44    | ug/L   |    |
| 22) cis-1,2-Dichloroethene | 7.18  | 96  | 745681   | 70.33   | ug/L   | 96 |
| 35) Trichloroethene        | 9.10  | 95  | 715559   | 64.87   | ug/L   | 99 |
| 47) Tetrachloroethene      | 10.87 | 164 | 11548459 | 1069.39 | ug/L   | 98 |

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

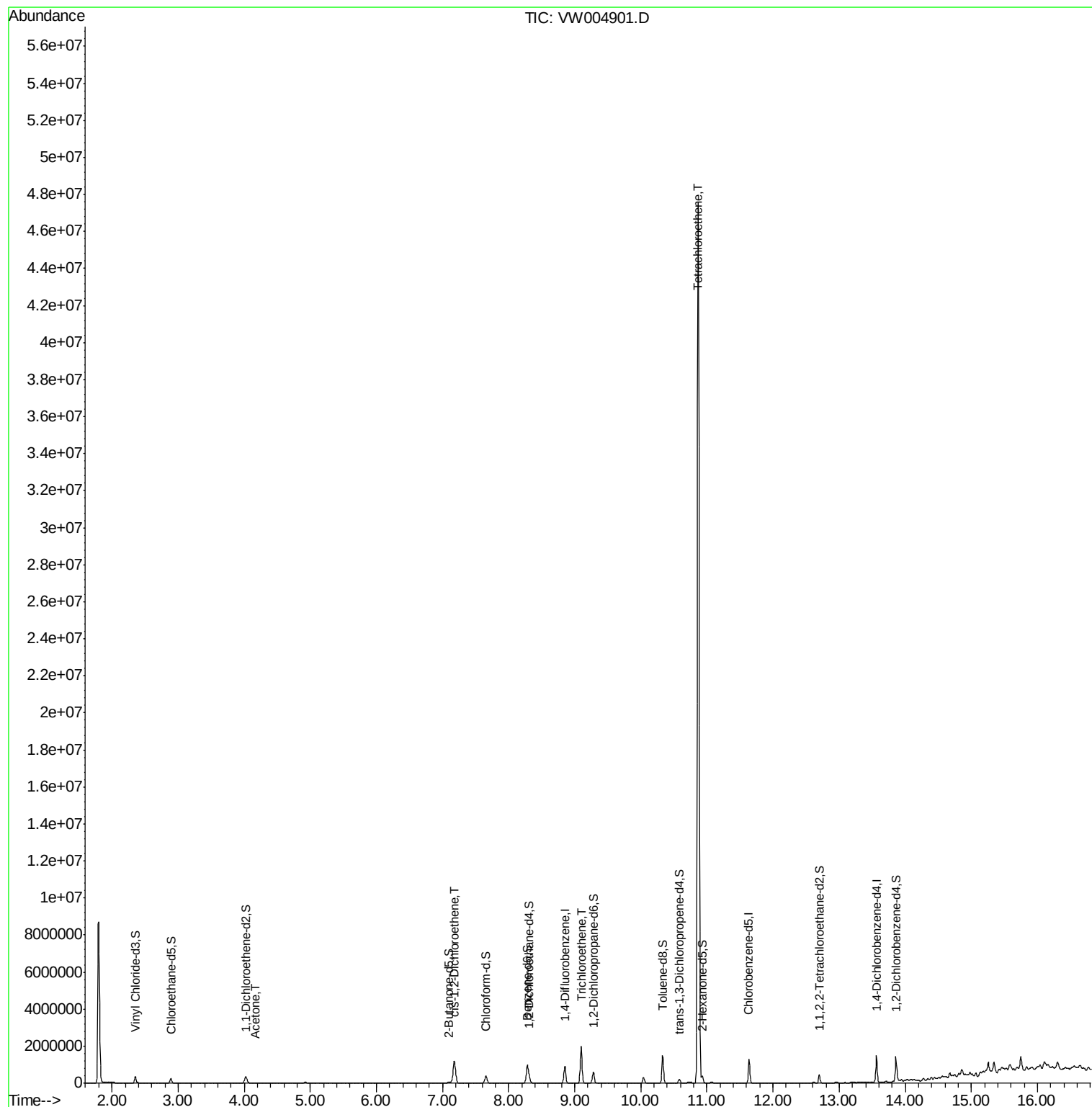
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\  
Data File : VW004901.D  
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ALS Vial : 1 Sample Multiplier: 1

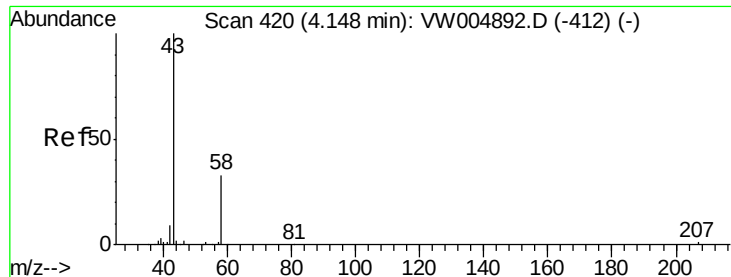
Instrument :  
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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#13

Acetone

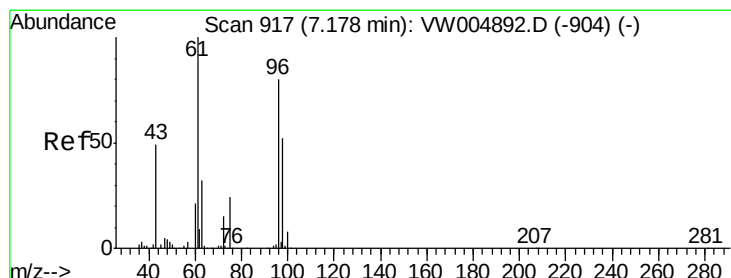
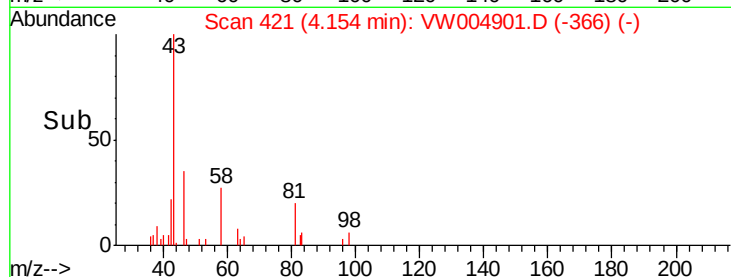
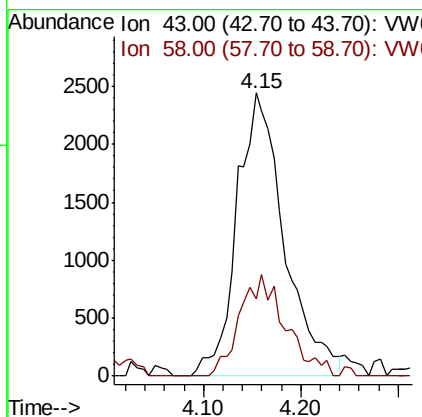
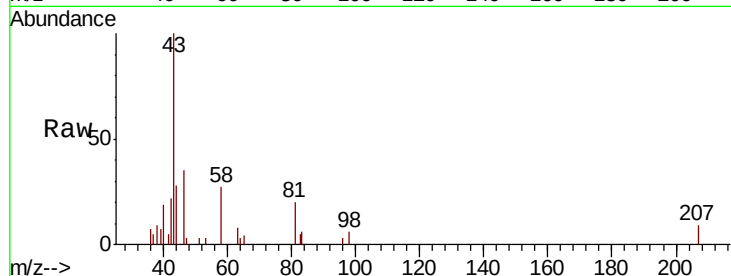
Concen: 3.44 ug/L m  
RT: 4.15 min Scan# 421  
Delta R.T. 0.01 min  
Lab File: VW004901.D  
Acq: 23 Aug 2018 17:02

Instrument :  
MSVOA\_W  
ClientSampled :  
E4430

| Tot Ion   | 43   | Resp  | 8316  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 58        | 12.4 | 0.0   | 69.4  |

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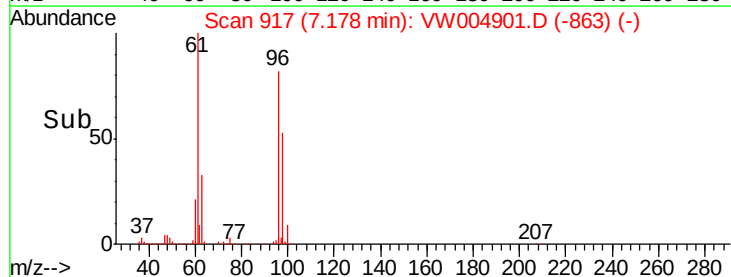
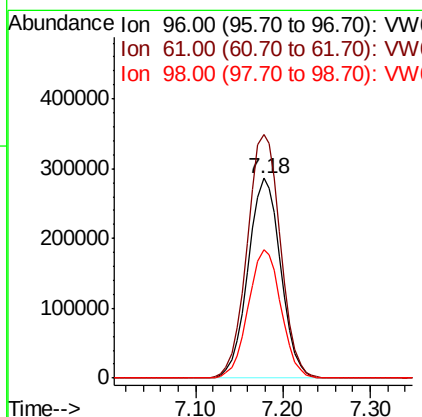
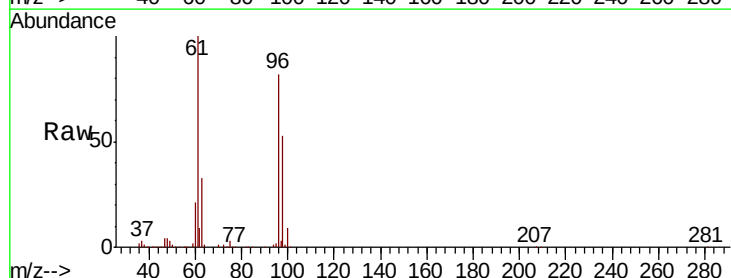


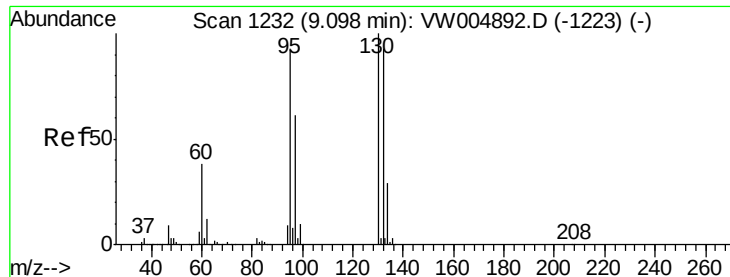
#22

cis-1,2-Dichloroethene

Concen: 70.33 ug/L  
RT: 7.18 min Scan# 917  
Delta R.T. 0.00 min  
Lab File: VW004901.D  
Acq: 23 Aug 2018 17:02

| Tgt Ion   | 96    | Resp  | 745681 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 121.9 | 89.7  | 166.7  |
| 98        | 64.3  | 45.0  | 83.6   |





#35

Trichloroethene

Concen: 64.87 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004901.D

Acq: 23 Aug 2018 17:02

Instrument :

MSVOA\_W

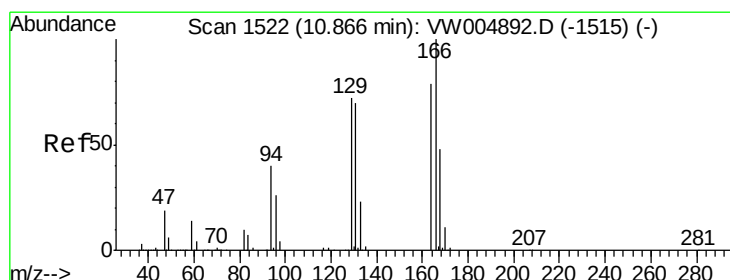
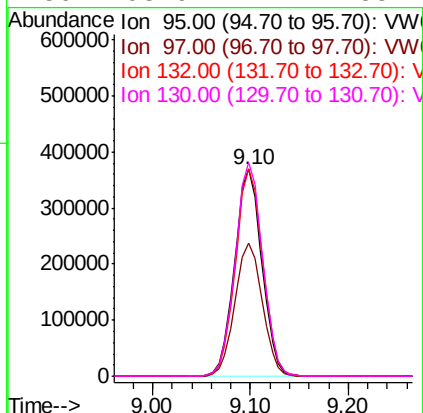
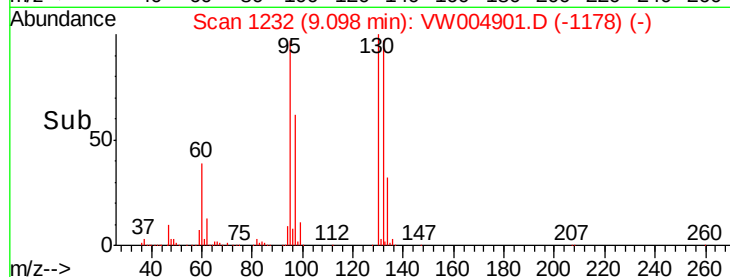
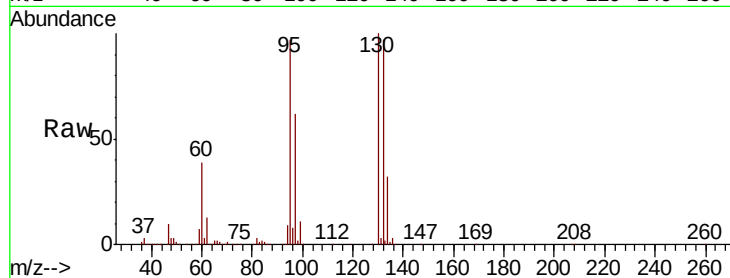
ClientSampled :

E4430

| Tot Ion   | 95    | Resp  | 715559 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 97        | 64.9  | 45.9  | 85.3   |
| 132       | 100.0 | 69.2  | 128.4  |
| 130       | 103.9 | 72.7  | 135.1  |

Manual Integrations  
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8/27/2018 1:45:23 PM



#47

Tetrachloroethene

Concen: 1069.39 ug/L

RT: 10.87 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VW004901.D

Acq: 23 Aug 2018 17:02

| Tgt Ion   | 164   | Resp  | 11548459 |
|-----------|-------|-------|----------|
| Ion Ratio | Lower | Upper |          |
| 164       | 100   |       |          |
| 129       | 95.1  | 66.8  | 124.0    |
| 131       | 92.2  | 64.0  | 119.0    |
| 166       | 122.1 | 89.8  | 166.8    |

