

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072918\  
 Data File : VW004299.D  
 Acq On : 28 Jul 2018 04:25  
 Operator : SY/AP  
 Sample : J4204-15  
 Misc : 5.01G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1K2

Manual Integrations  
 APPROVED

MMDadoda  
 7/31/2018 10:33:29 AM

Quant Time: Jul 28 06:25:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 28 02:53:40 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 62243    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 62304    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 27897    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 21768    | 34.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 138.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 15264    | 33.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 133.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 29273    | 19.57    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.28%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 17708    | 49.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.84%   |
| 24) Chloroform-d               | 7.65   | 84    | 44111    | 27.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 110.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 32369    | 33.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 135.08%# |
| 29) Benzene-d6                 | 8.28   | 84    | 81269    | 24.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.44%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 26497    | 24.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.52%   |
| 37) Toluene-d8                 | 10.33  | 98    | 74061    | 23.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.92%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 12689    | 25.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 13368    | 46.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.64%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 29433    | 26.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 30372    | 29.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 116.48%  |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 2624  | 7.326 ug/L | 92     |
| 16) Methylene chloride | 4.90 | 84 | 2024m | 2.319 ug/L |        |

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

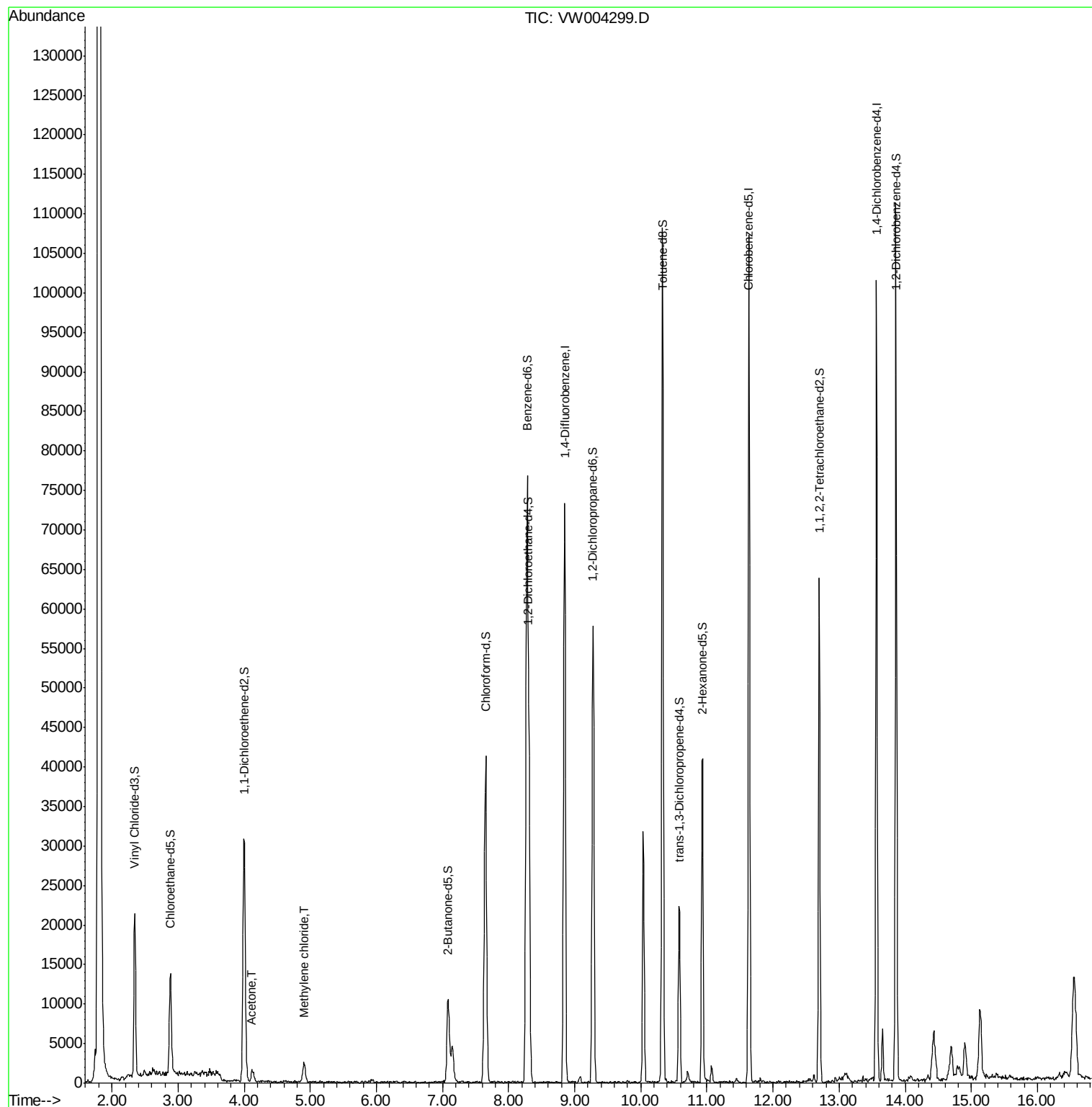
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072918\  
Data File : VW004299.D  
Acq On : 28 Jul 2018 04:25  
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ALS Vial : 1 Sample Multiplier: 1

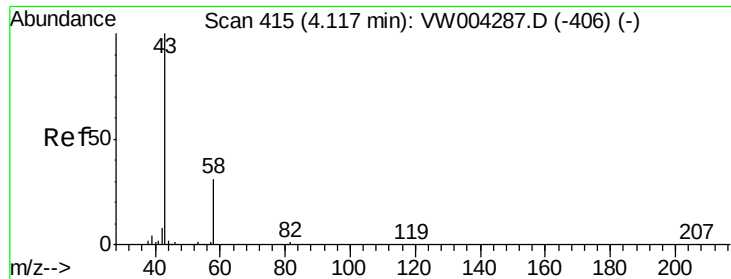
Instrument :  
MSVOA\_W  
ClientSampleId :  
JJ1K2

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Quant Time: Jul 28 06:25:35 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 28 02:53:40 2018  
Response via : Initial Calibration





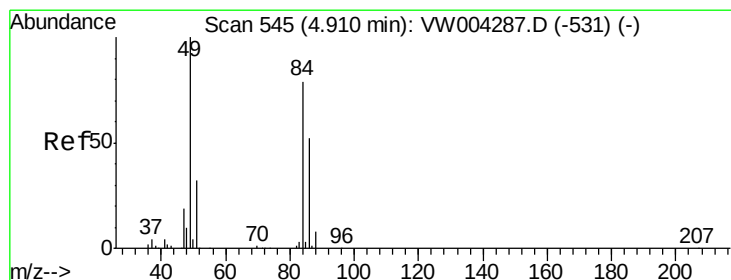
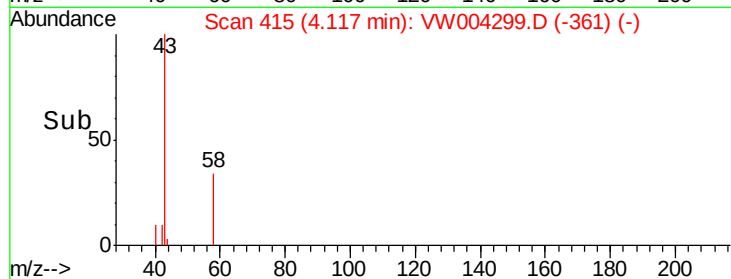
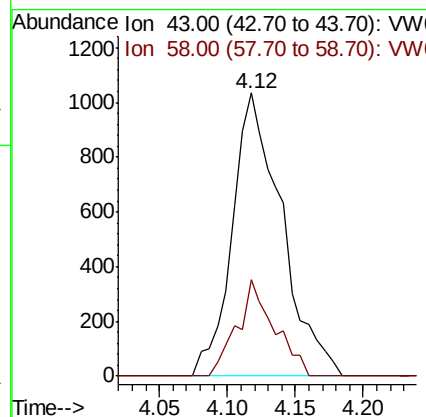
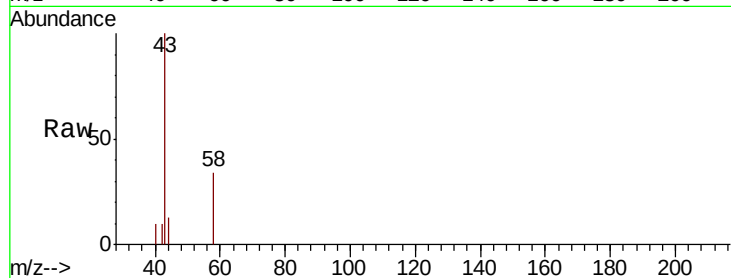
#13  
Acetone  
Concen: 7.326 ug/L  
RT: 4.12 min Scan# 415  
Delta R.T. 0.00 min  
Lab File: VW004299.D  
Acq: 28 Jul 2018 04:25

Instrument :  
MSVOA\_W  
ClientSampled :  
JJ1K2

Tgt Ion: 43 Resp: 2624  
Ion Ratio Lower Upper  
43 100  
58 25.5 0.0 59.8

Manual Integrations  
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7/31/2018 10:33:29 AM



#16  
Methylene chloride  
Concen: 2.319 ug/L m  
RT: 4.90 min Scan# 543  
Delta R.T. -0.01 min  
Lab File: VW004299.D  
Acq: 28 Jul 2018 04:25

Tgt Ion: 84 Resp: 2024  
Ion Ratio Lower Upper  
84 100  
49 86.8 90.9 168.7#  
86 60.6 44.4 82.5

