

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080118\  
 Data File : VW004373.D  
 Acq On : 01 Aug 2018 13:36  
 Operator : SY/AP  
 Sample : J4204-13RE  
 Misc : 5.86G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1K0RE

Manual Integrations  
 APPROVED

MMDadoda  
 8/2/2018 1:27:28 PM

Quant Time: Aug 02 04:14:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073118S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 02 03:56:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 85701    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 79686    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 24352    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 19514    | 29.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 116.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 21256    | 32.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 128.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 31304    | 16.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.96%   |
| 20) 2-Butanone-d5              | 7.10   | 46    | 581m     | 1.40     | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 2.80%#   |
| 24) Chloroform-d               | 7.65   | 84    | 66988    | 31.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 126.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 48778    | 41.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 164.44%# |
| 29) Benzene-d6                 | 8.28   | 84    | 114347   | 27.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 39049    | 30.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 122.52%# |
| 37) Toluene-d8                 | 10.33  | 98    | 96618    | 24.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.28%   |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 15695    | 25.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.92%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 13204    | 40.34    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.68%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 42027    | 31.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 126.24%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 26509    | 28.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.92%  |

| Target Compounds       |      |    |       |       | Qvalue |
|------------------------|------|----|-------|-------|--------|
| 13) Acetone            | 4.12 | 43 | 2085m | 5.756 | ug/L   |
| 16) Methylene chloride | 4.92 | 84 | 4345  | 3.208 | ug/L   |

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

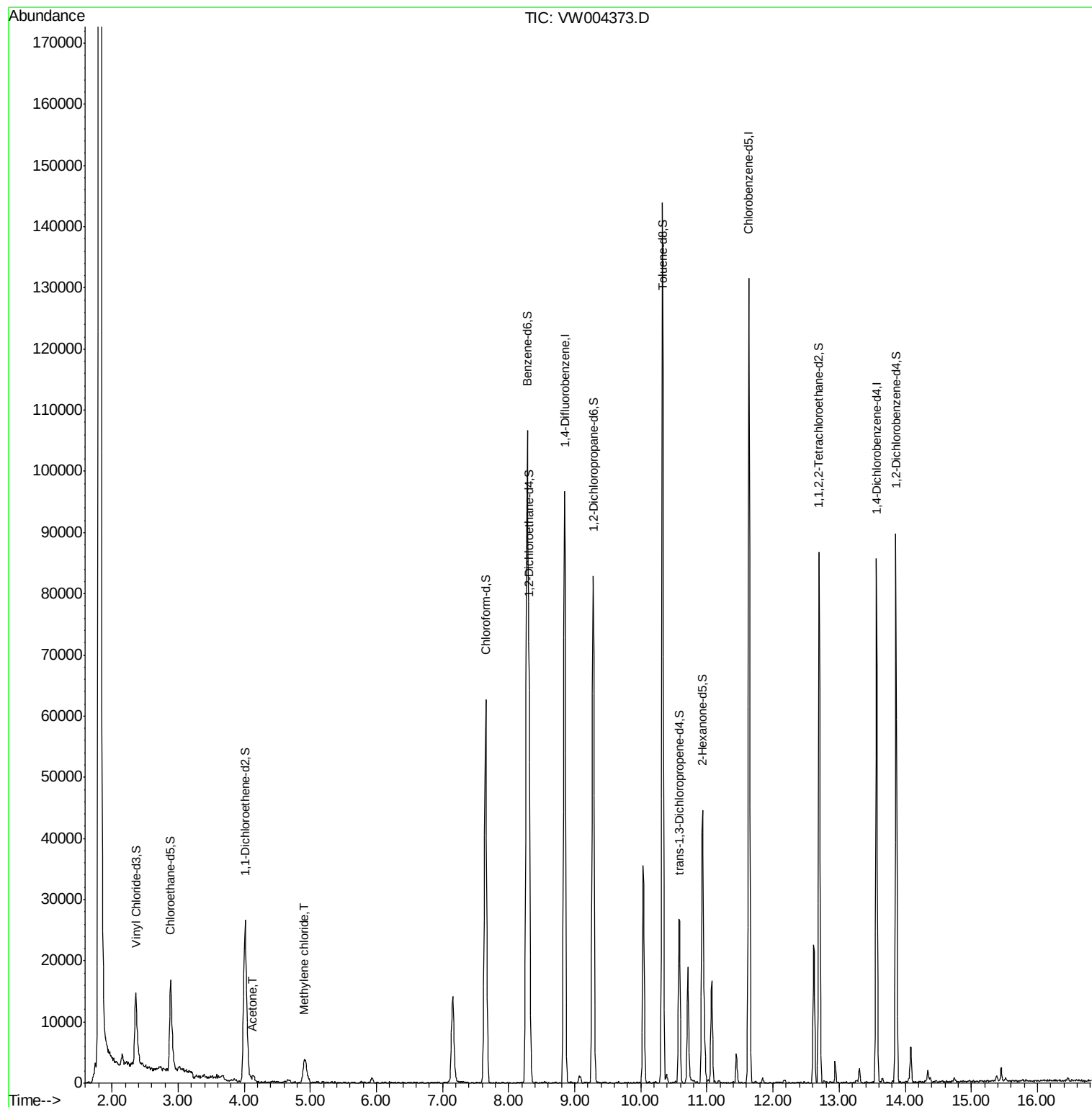
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080118\  
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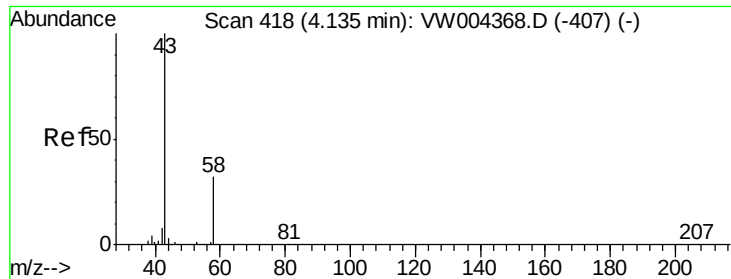
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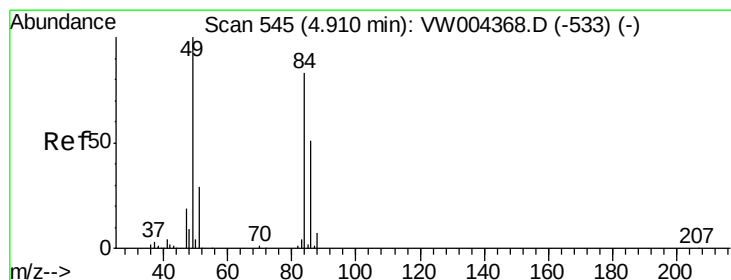
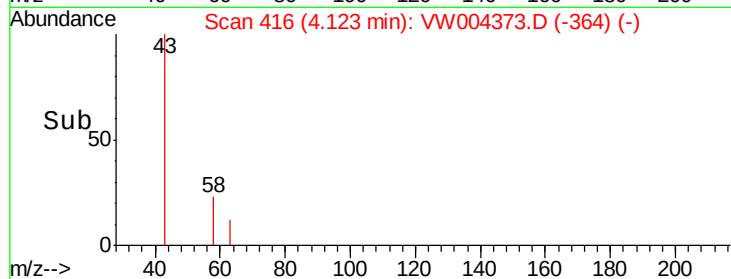
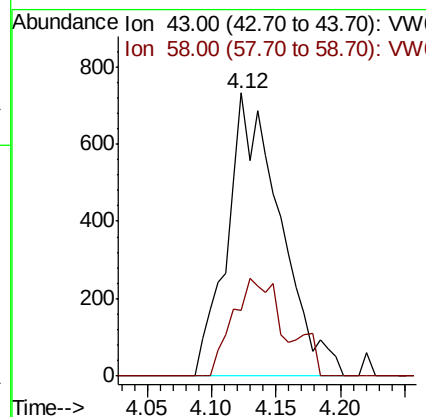
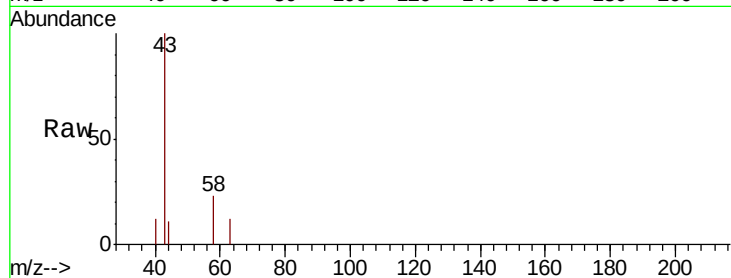
#13  
Acetone  
Concen: 5.756 ug/L m  
RT: 4.12 min Scan# 416  
Delta R.T. -0.01 min  
Lab File: VW004373.D  
Acq: 01 Aug 2018 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
JJ1K0RE

Tgt Ion: 43 Resp: 2085  
Ion Ratio Lower Upper  
43 100  
58 21.4 0.0 64.8

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#16  
Methylene chloride  
Concen: 3.208 ug/L  
RT: 4.92 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW004373.D  
Acq: 01 Aug 2018 13:36

Tgt Ion: 84 Resp: 4345  
Ion Ratio Lower Upper  
84 100  
49 80.2 79.5 147.7  
86 58.9 45.8 85.2

