

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\  
 Data File : VW004394.D  
 Acq On : 02 Aug 2018 03:24  
 Operator : SY/AP  
 Sample : J4209-03  
 Misc : 5.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AB8

Quant Time: Aug 02 05:48:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073118S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 02 05:11:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 170465   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 148690   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 51099    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 53521    | 40.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 161.20%# |
| 7) Chloroethane-d5             | 2.89   | 69    | 48483    | 36.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 147.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 78482    | 20.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.88%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 17126    | 20.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 41.60%   |
| 24) Chloroform-d               | 7.65   | 84    | 110035   | 26.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 63341    | 26.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.36%  |
| 29) Benzene-d6                 | 8.27   | 84    | 208931   | 27.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 58005    | 24.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.52%   |
| 37) Toluene-d8                 | 10.33  | 98    | 186022   | 25.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.40%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 11489    | 9.99     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 39.96%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 13038    | 21.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 42.70%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 44298    | 17.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 71.32%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 48720    | 24.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.80%   |

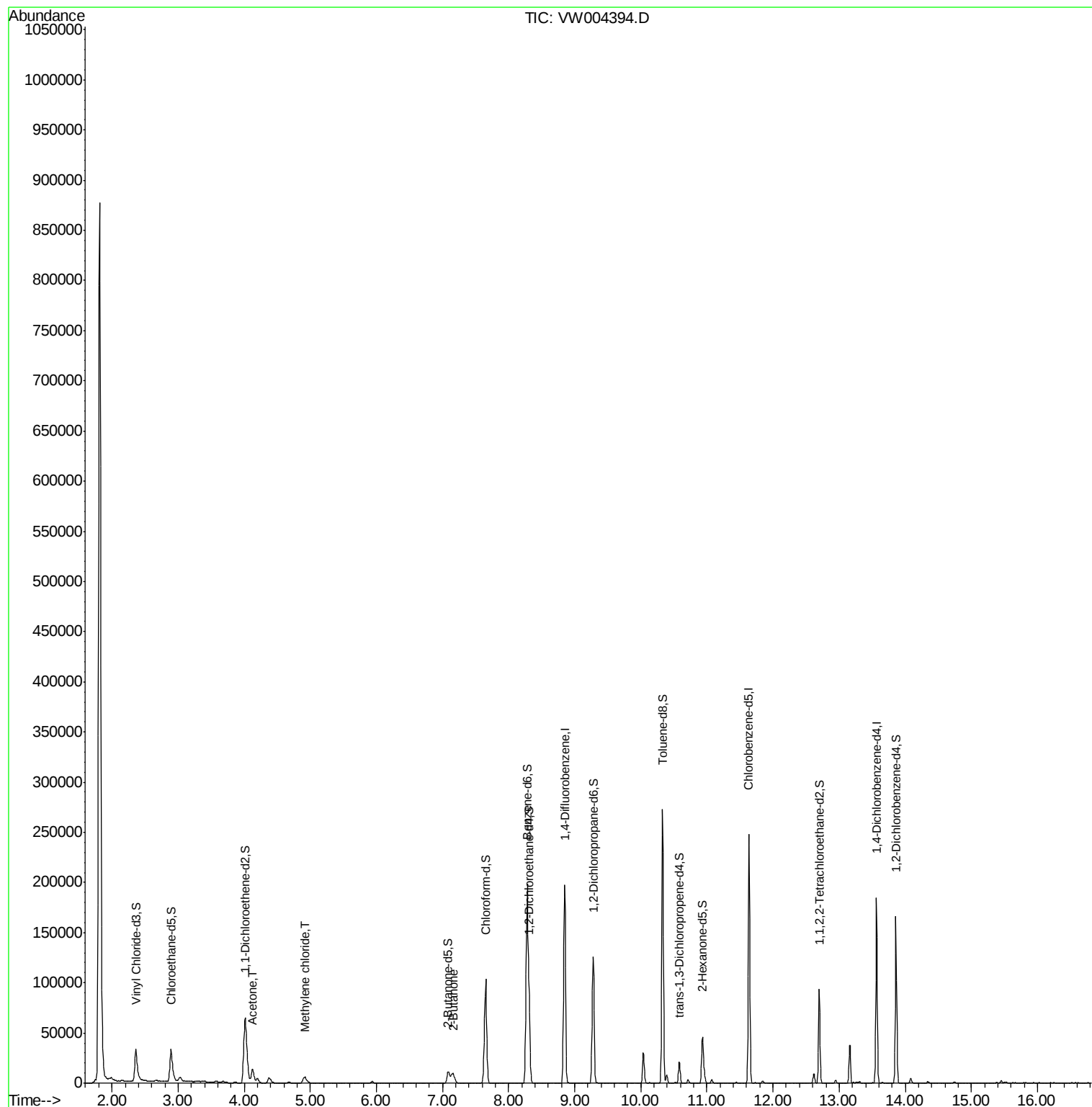
| Target Compounds       |      |    |       |       |      | Ovalue |
|------------------------|------|----|-------|-------|------|--------|
| 13) Acetone            | 4.12 | 43 | 22651 | 31.44 | ug/L | 97     |
| 16) Methylene chloride | 4.92 | 84 | 5470  | 2.03  | ug/L | 79     |
| 21) 2-Butanone         | 7.18 | 43 | 9263  | 9.43  | ug/L | 82     |

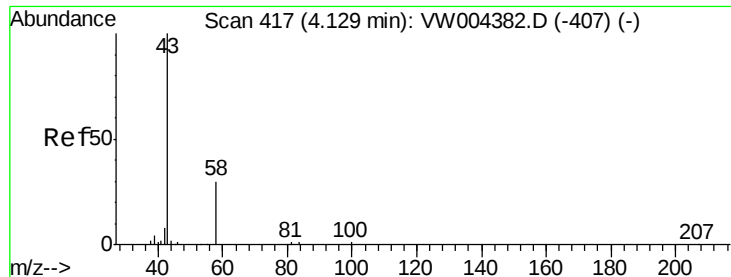
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 31.44 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004394.D

Acq: 02 Aug 2018 03:24

Instrument :

MSVOA\_W

ClientSampleId :

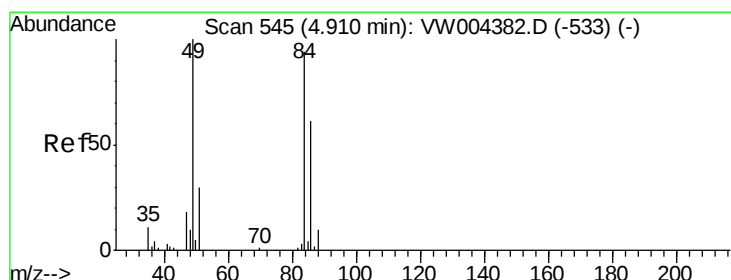
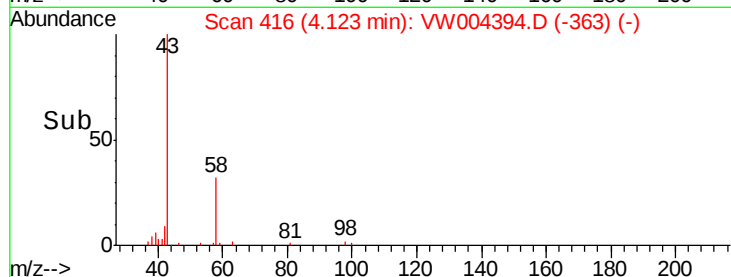
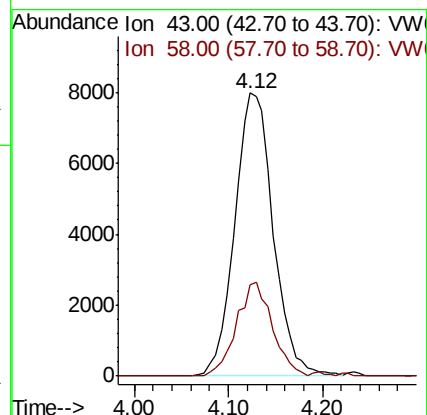
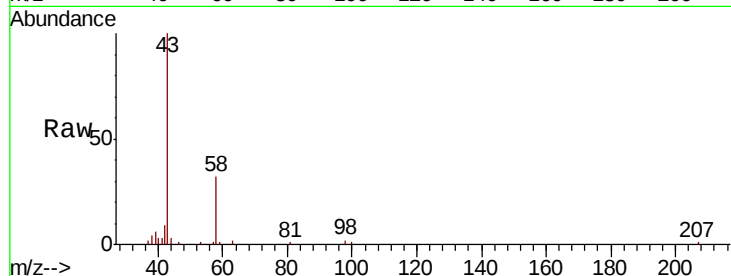
C0AB8

Tot Ion: 43 Resp: 22651

Ion Ratio Lower Upper

43 100

58 30.8 0.0 64.8



#16

Methylene chloride

Concen: 2.03 ug/L

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW004394.D

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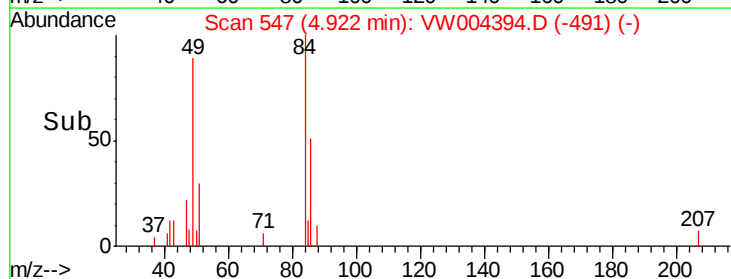
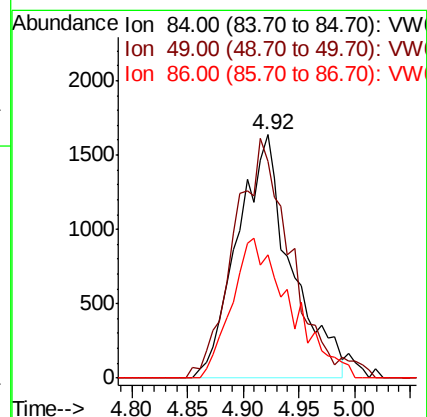
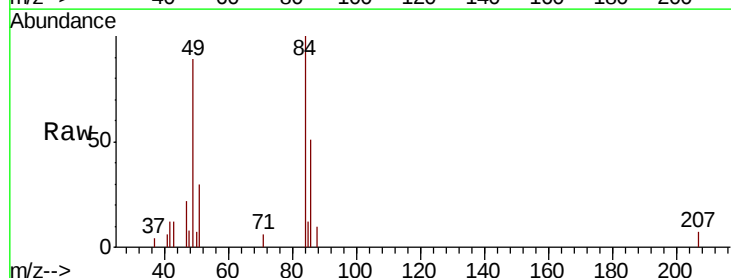
Tgt Ion: 84 Resp: 5470

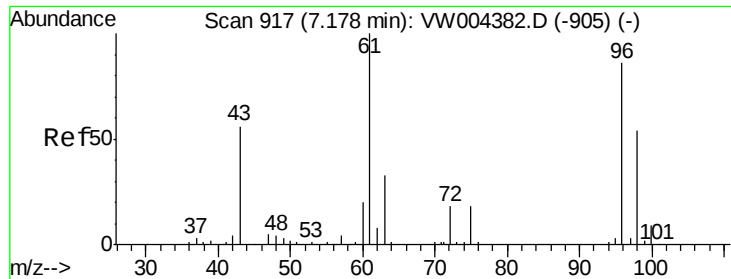
Ion Ratio Lower Upper

84 100

49 89.2 79.5 147.7

86 50.8 45.8 85.2





#21

2-Butanone

Concen: 9.43 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

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Acq: 02 Aug 2018 03:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AB8

Tot Ion: 43 Resp: 9263

Ion Ratio Lower Upper

43 100

72 19.3 14.4 43.2

