

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121918\  
 Data File : VV009062.D  
 Acq On : 19 Dec 2018 21:54  
 Operator : SY/MD  
 Sample : J6471-02  
 Misc : 5.61G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9H11

Quant Time: Dec 20 03:59:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 20 03:44:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 176246   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 148743   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 54766    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 46539    | 25.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.08%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 50826    | 37.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 150.88%# |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 93261    | 20.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.80%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 25706    | 38.71    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.42%   |
| 24) Chloroform-d               | 4.40   | 84    | 114931   | 27.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 108.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 69601    | 30.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 120.40%  |
| 29) Benzene-d6                 | 5.10   | 84    | 227307   | 27.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.44%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 68233    | 29.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.36%  |
| 37) Toluene-d8                 | 7.36   | 98    | 200108   | 26.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.12%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 28073    | 27.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 109.88%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 16736    | 39.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.56%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 50282    | 25.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 53278    | 25.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.68%  |

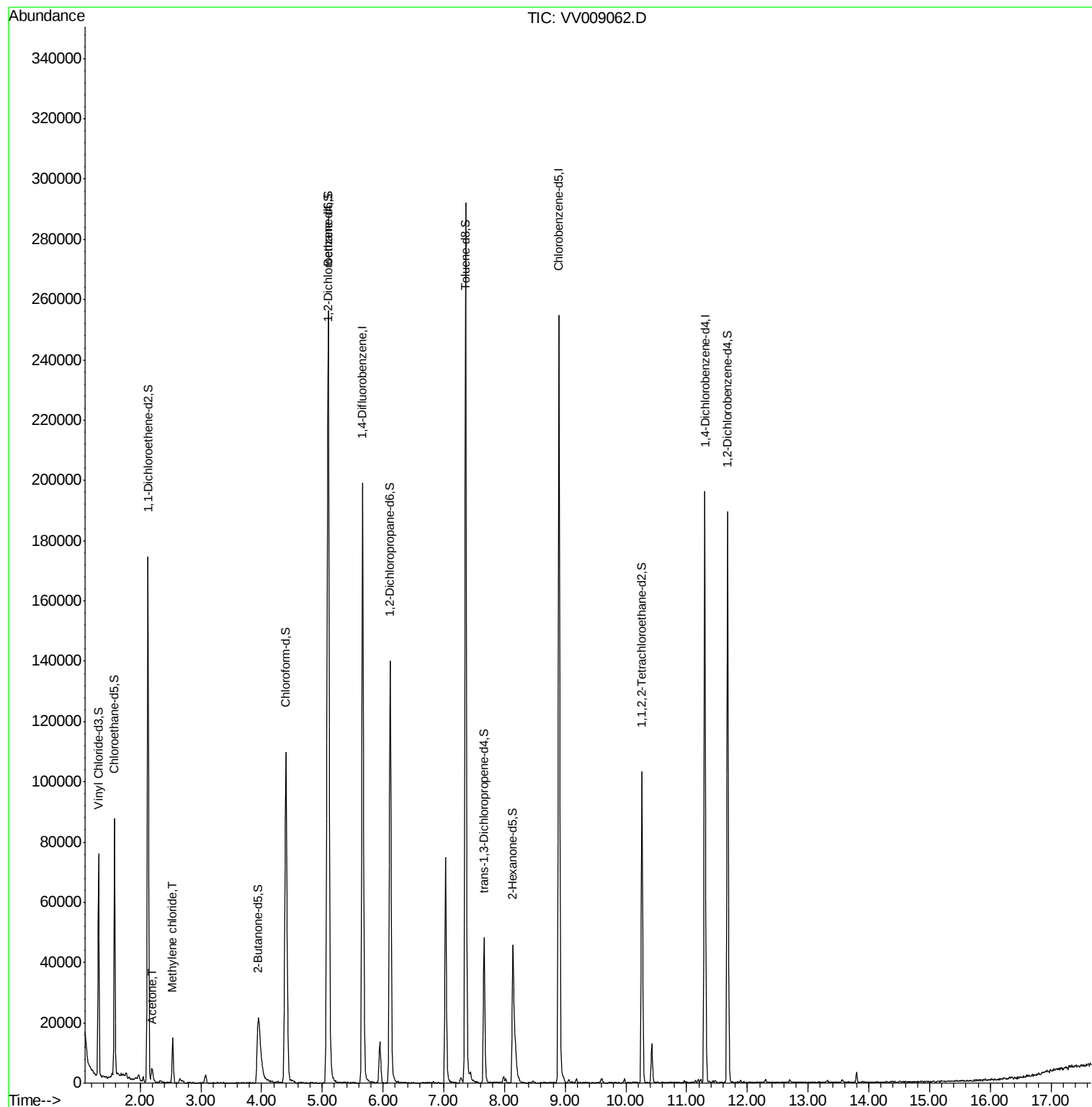
| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 5636 | 5.761 ug/L | 93     |
| 16) Methylene chloride | 2.54 | 84 | 6686 | 2.253 ug/L | 93     |

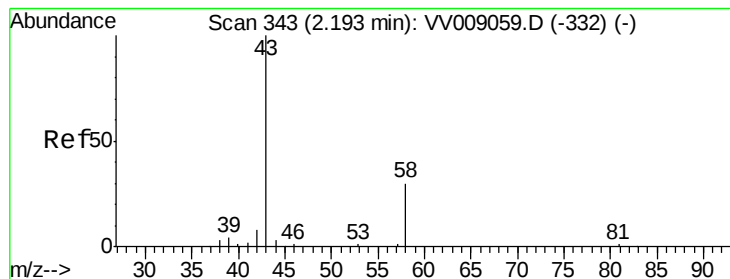
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.61G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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F9H11

Quant Time: Dec 20 03:59:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 20 03:44:50 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 5.761 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009062.D

Acq: 19 Dec 2018 21:54

Instrument :

MSVOA\_V

ClientSampleId :

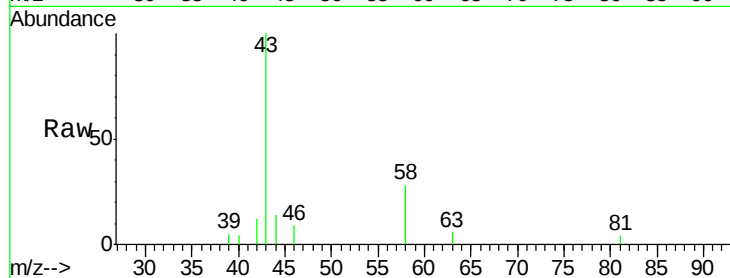
F9H11

Tgt Ion: 43 Resp: 5636

Ion Ratio Lower Upper

43 100

58 28.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009059.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV009059.D (-332) (-)

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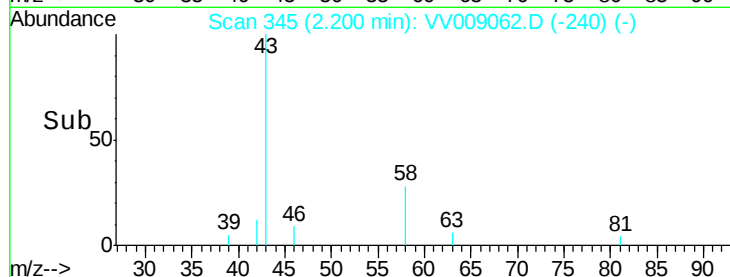
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Abundance Ion 43.00 (42.70 to 43.70): VV009062.D (-240) (-)

Ion 58.00 (57.70 to 58.70): VV009062.D (-240) (-)

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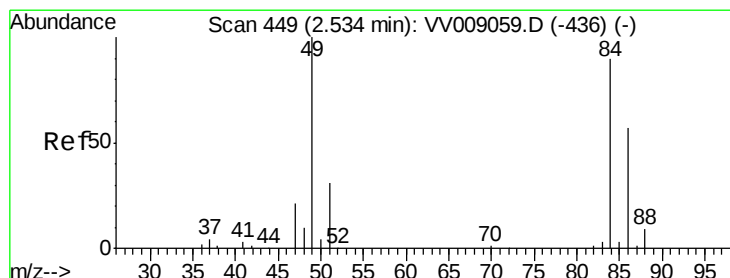
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#16

Methylene chloride

Concen: 2.253 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

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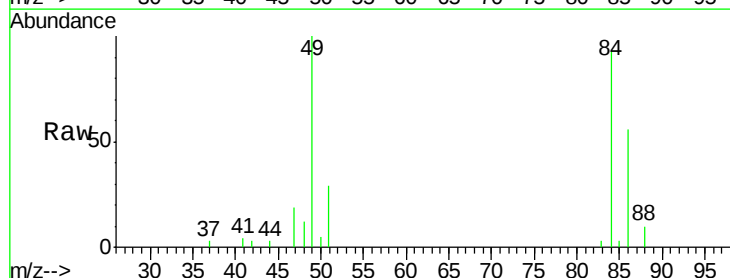
Tgt Ion: 84 Resp: 6686

Ion Ratio Lower Upper

84 100

49 107.1 80.5 149.5

86 59.7 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009059.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009059.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009059.D (-436) (-)

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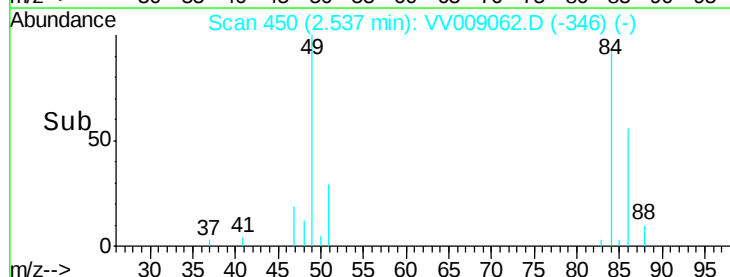
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Abundance Ion 84.00 (83.70 to 84.70): VV009062.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009062.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009062.D (-346) (-)

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