

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121818\  
 Data File : VV009014.D  
 Acq On : 18 Dec 2018 15:35  
 Operator : SY/MD  
 Sample : J6418-03  
 Misc : 3.97G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEZZ1

Quant Time: Dec 19 06:43:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 19 06:18:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 283813   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 238085   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 90138    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 71173    | 24.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.92%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 64139    | 29.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 118.24% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 140458   | 19.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.52%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 39479    | 36.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.84%  |
| 24) Chloroform-d               | 4.40   | 84    | 170386   | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 102179   | 27.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.76% |
| 29) Benzene-d6                 | 5.10   | 84    | 347147   | 26.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.44% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 102870   | 27.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.52% |
| 37) Toluene-d8                 | 7.36   | 98    | 305593   | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.32%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 41017    | 25.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.32% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 24111    | 35.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.70%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 69993    | 22.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 82766    | 24.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.88%  |

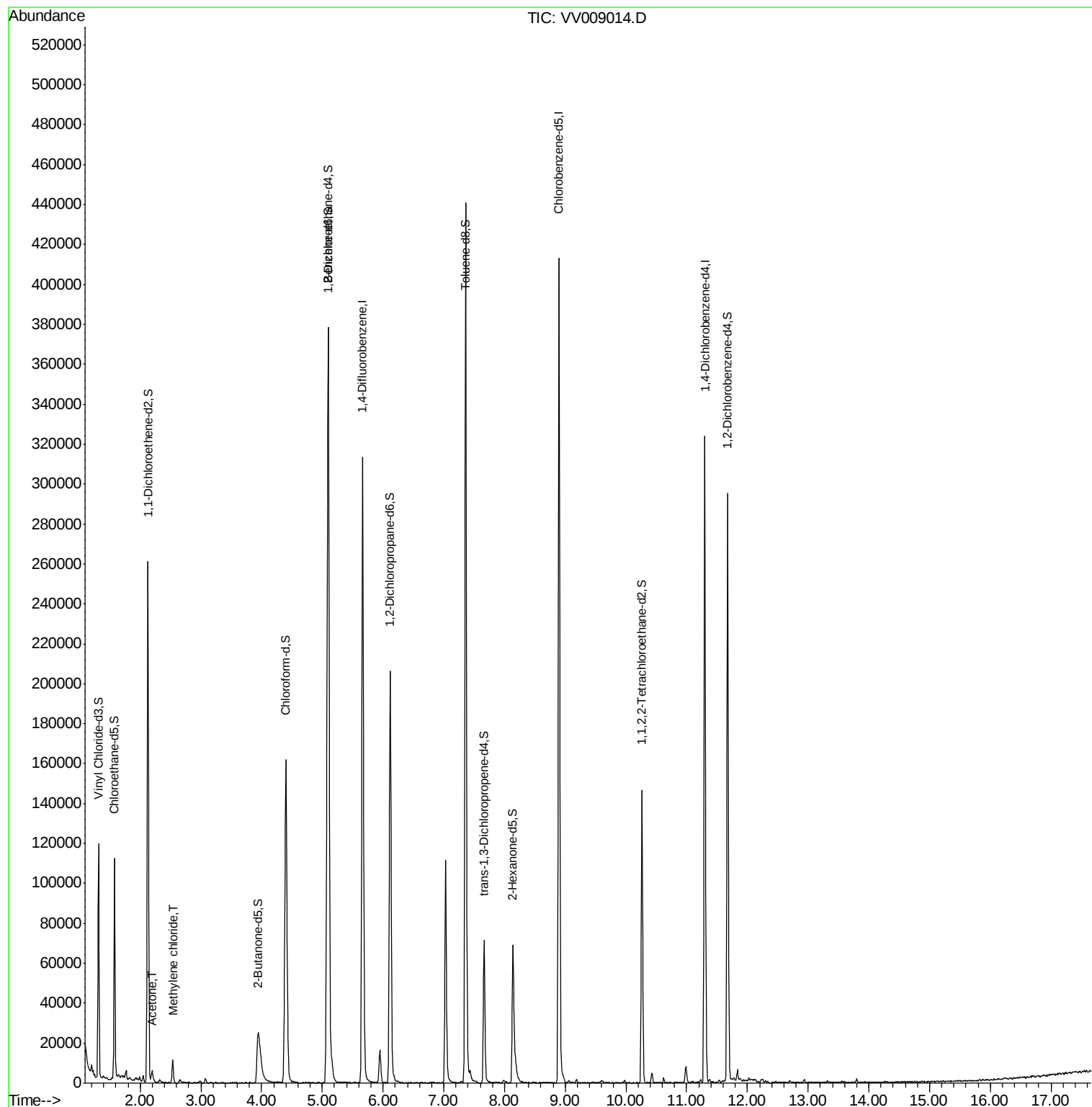
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 6031 | 3.828 ug/L | 90     |
| 16) Methylene chloride | 2.54 | 84 | 4926 | 1.031 ug/L | 93     |

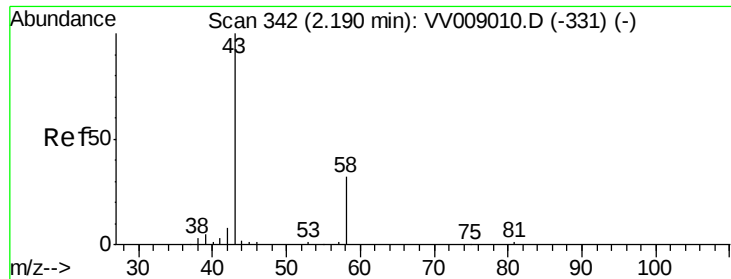
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 3.97G/10ML/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
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Quant Title : VOC Analysis  
QLast Update : Wed Dec 19 06:18:48 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 3.828 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009014.D

Acq: 18 Dec 2018 15:35

Instrument :

MSVOA\_V

ClientSampleId :

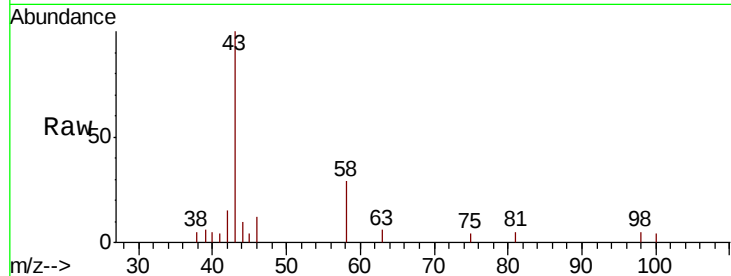
BEZZ1

Tot Ion: 43 Resp: 6031

Ion Ratio Lower Upper

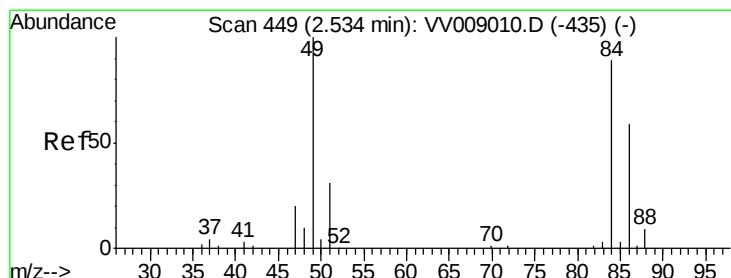
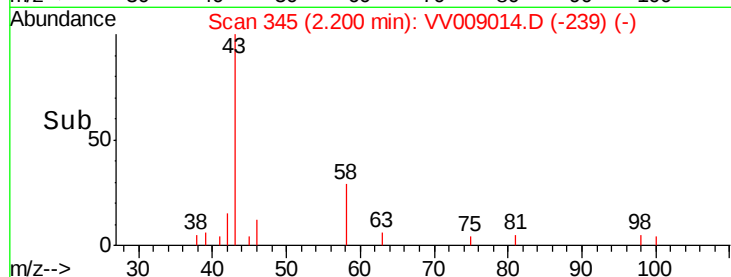
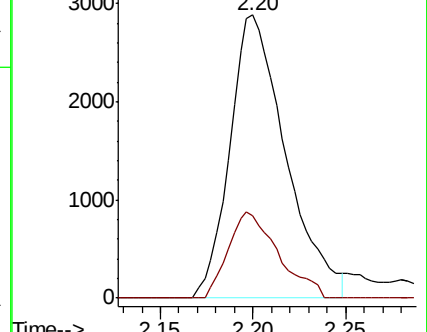
43 100

58 27.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009014.D (-345) (-)

Ion 58.00 (57.70 to 58.70): VV009014.D (-345) (-)



#16

Methylene chloride

Concen: 1.031 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009014.D

Acq: 18 Dec 2018 15:35

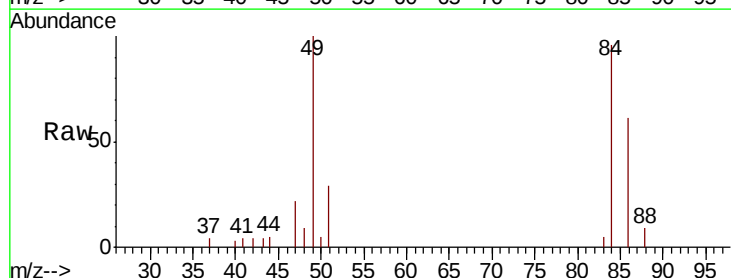
Tgt Ion: 84 Resp: 4926

Ion Ratio Lower Upper

84 100

49 104.5 80.5 149.5

86 63.6 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009014.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009014.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009014.D (-346) (-)

