

Data File : VV010857.D  
Acq On : 14 May 2019 12:52  
Operator : SY/MD  
Sample : K2737-14  
Misc : 4.71G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB862

Quant Time: May 15 07:32:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 15 06:52:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 36771    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 44592    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 17242    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 3454     | 7.37     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 29.48%#  |
| 7) Chloroethane-d5             | 1.57   | 69    | 4487     | 14.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 58.80%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 6415     | 7.24     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 28.96%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 6114     | 41.48    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.96%   |
| 24) Chloroform-d               | 4.40   | 84    | 27339    | 25.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 21123    | 35.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 140.00%# |
| 29) Benzene-d6                 | 5.10   | 84    | 45228    | 18.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 73.28%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 20978    | 26.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.56%  |
| 37) Toluene-d8                 | 7.36   | 98    | 36993    | 15.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 62.40%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 6658     | 19.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.52%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 4203     | 28.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.34%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 18892    | 25.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.48%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 17287    | 24.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.00%   |

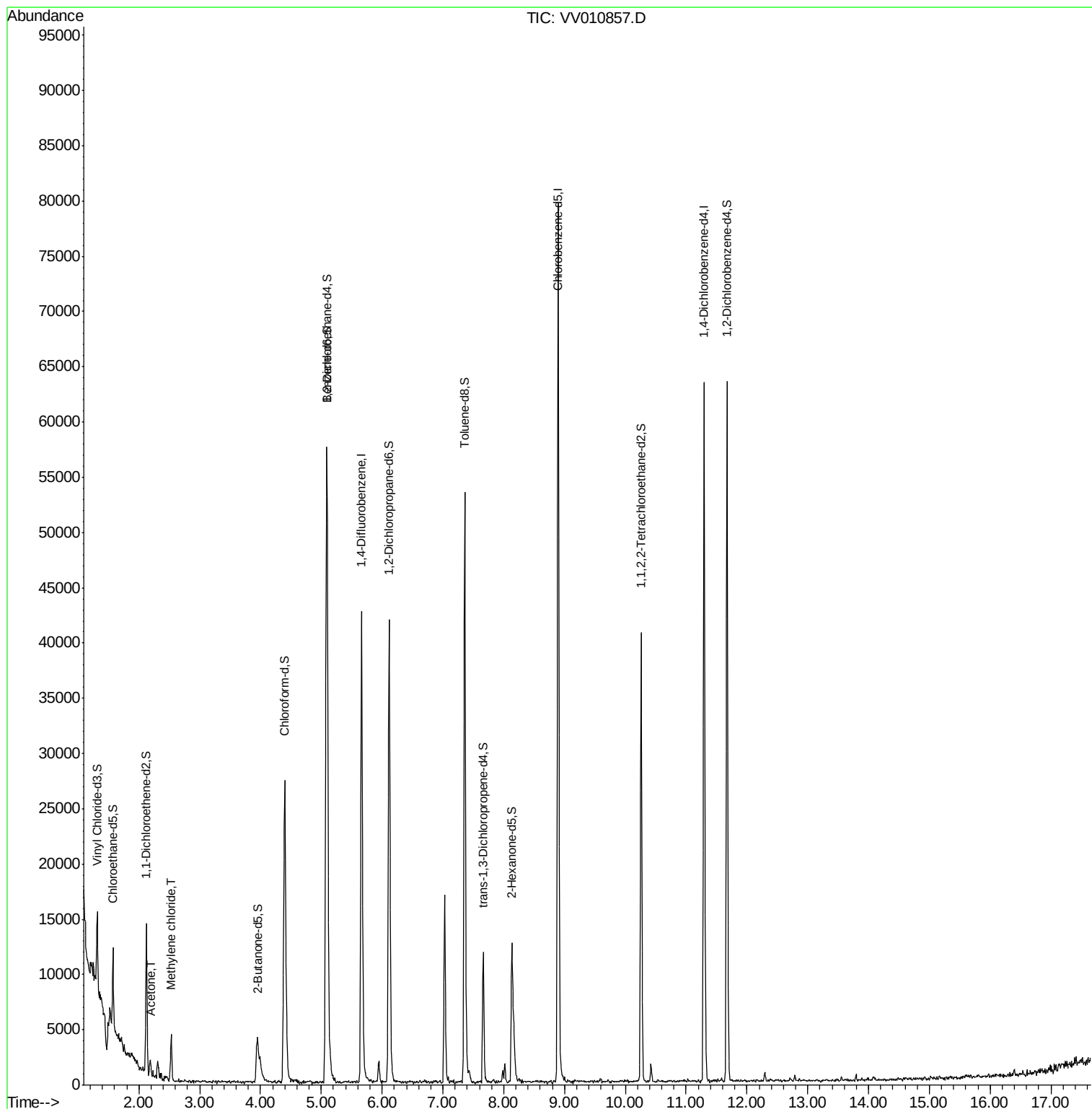
| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.18 | 43 | 1227 | 8.173 ug/L | 66     |
| 16) Methylene chloride | 2.53 | 84 | 1688 | 2.845 ug/L | 90     |

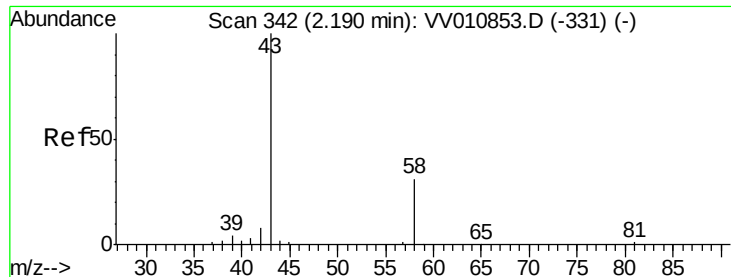
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.173 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

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Acq: 14 May 2019 12:52

Instrument :

MSVOA\_V

ClientSampled :

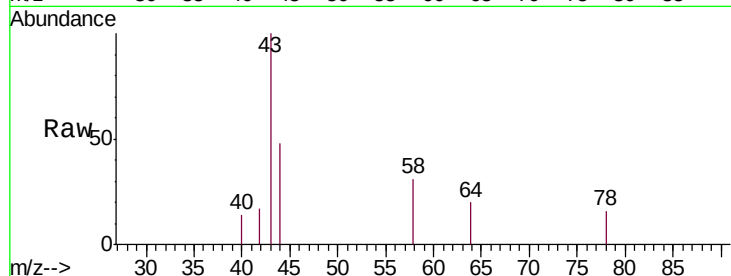
DB862

Tgt Ion: 43 Resp: 1227

Ion Ratio Lower Upper

43 100

58 15.2 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV010857.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010857.D (-331) (-)

2.18

800

600

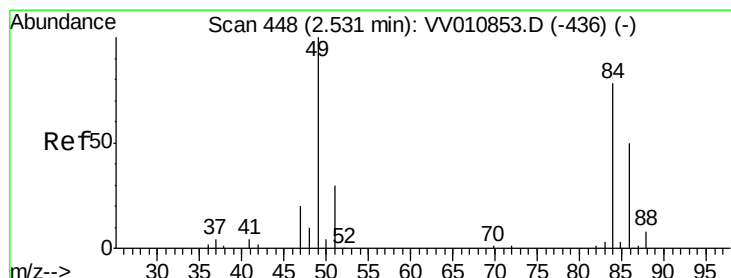
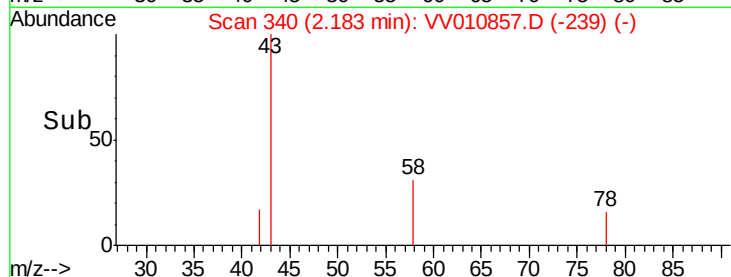
400

200

0

2.16 2.18 2.20 2.22

Time-->



#16

Methylene chloride

Concen: 2.845 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

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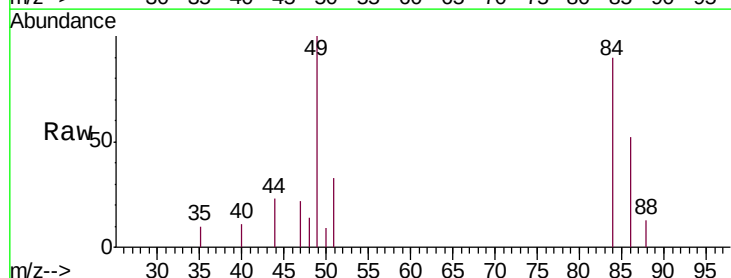
Tgt Ion: 84 Resp: 1688

Ion Ratio Lower Upper

84 100

49 111.0 85.8 159.3

86 57.3 45.0 83.6



Abundance Ion 84.00 (83.70 to 84.70): VV010857.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV010857.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV010857.D (-436) (-)

2.53

1500

1000

500

0

2.48 2.50 2.52 2.54 2.56

Time-->

