

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092018\  
 Data File : VW005537.D  
 Acq On : 20 Sep 2018 16:32  
 Operator : SY/AP  
 Sample : J5011-03  
 Misc : 4.59G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BE9G0

Quant Time: Oct 06 05:31:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091918S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 21 01:00:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 337588   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 294198   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 125716   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 95360    | 20.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.92% |
| 7) Chloroethane-d5             | 2.89   | 69    | 76022    | 20.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 154788   | 15.48    | ug/L | -0.01  |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.92% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 52462    | 29.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 59.16% |
| 24) Chloroform-d               | 7.65   | 84    | 188114   | 20.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.12% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 112332   | 20.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.44% |
| 29) Benzene-d6                 | 8.28   | 84    | 358900   | 20.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.52% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 109974   | 20.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.00% |
| 37) Toluene-d8                 | 10.33  | 98    | 308952   | 19.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 47620    | 19.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 38886    | 31.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 62.82% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 82076    | 17.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 68.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 97622    | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.20% |

## Target Compounds

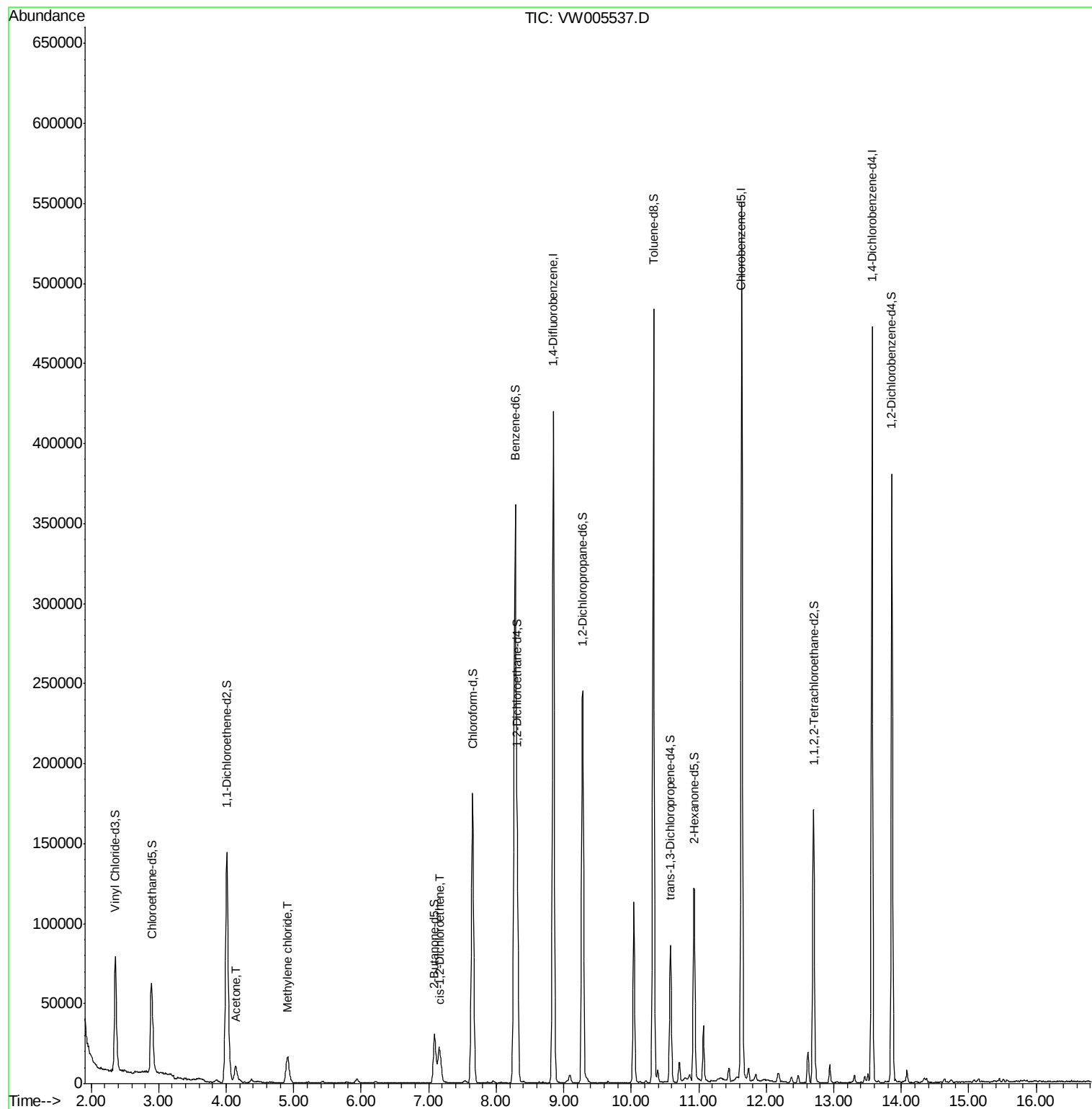
|                            |      |    |       |             | Qvalue |
|----------------------------|------|----|-------|-------------|--------|
| 13) Acetone                | 4.14 | 43 | 17295 | 11.387 ug/L | 94     |
| 16) Methylene chloride     | 4.90 | 84 | 12873 | 2.306 ug/L  | 95     |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 3552  | 0.737 ug/L  | 93     |

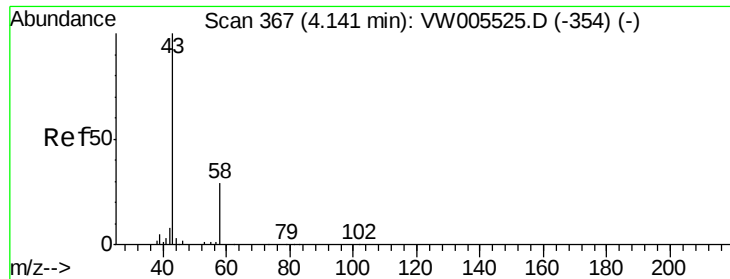
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 21 01:00:52 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 11.387 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005537.D

Acq: 20 Sep 2018 16:32

Instrument :

MSVOA\_W

ClientSampleId :

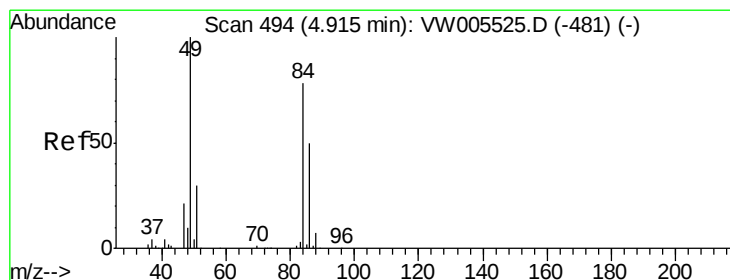
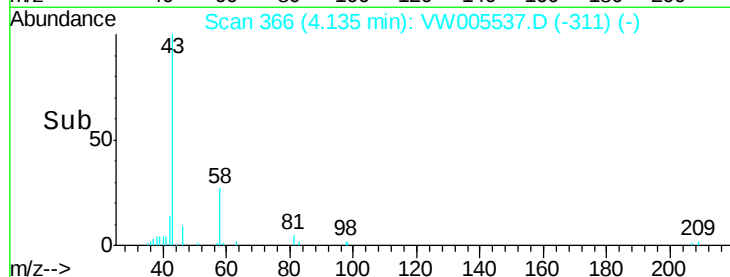
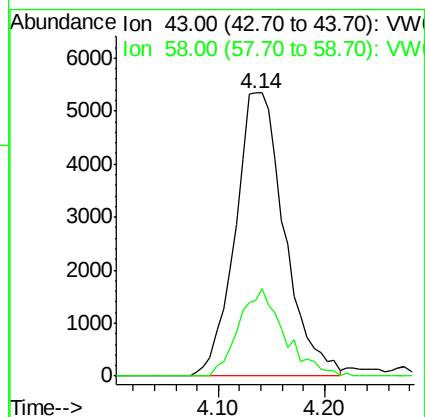
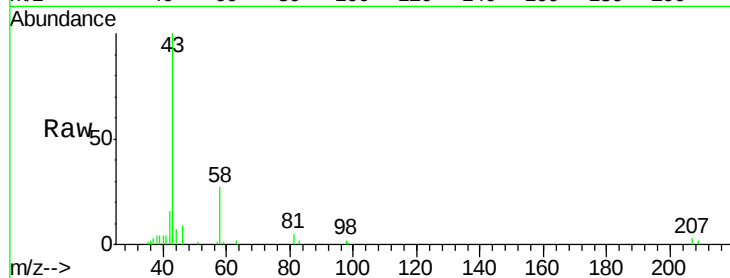
BE9G0

Tgt Ion: 43 Resp: 17295

Ion Ratio Lower Upper

43 100

58 26.4 0.0 59.2



#16

Methylene chloride

Concen: 2.306 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW005537.D

Acq: 20 Sep 2018 16:32

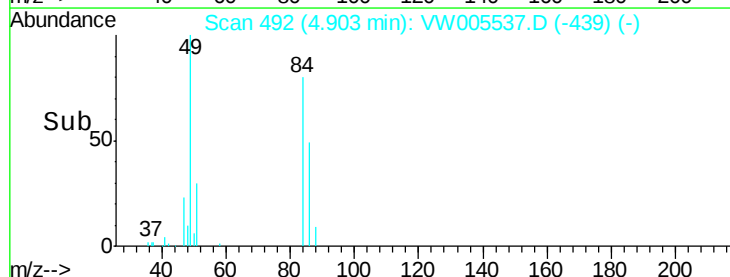
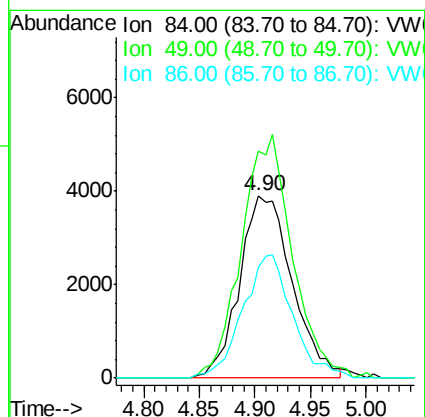
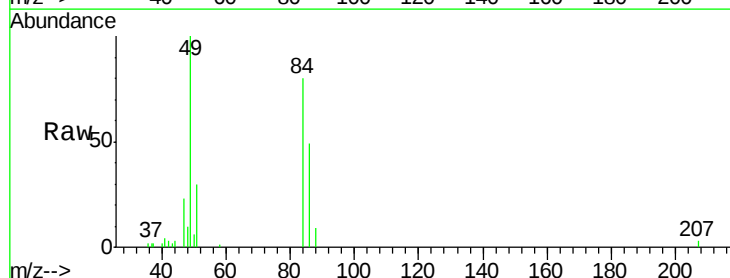
Tgt Ion: 84 Resp: 12873

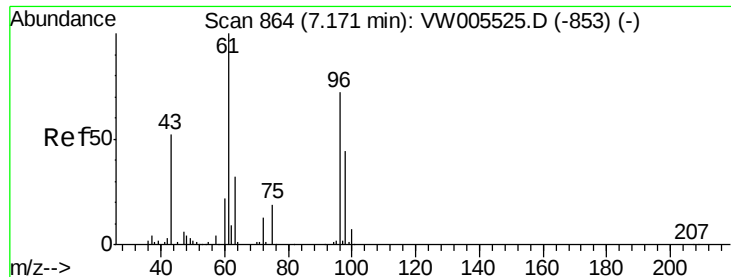
Ion Ratio Lower Upper

84 100

49 124.4 91.5 169.9

86 60.5 44.8 83.2





#22

cis-1,2-Dichloroethene  
 Concen: 0.737 ug/L  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VW005537.D  
 Acq: 20 Sep 2018 16:32

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BE9G0

Tgt Ion: 96 Resp: 3552  
 Ion Ratio Lower Upper  
 96 100  
 61 150.0 96.5 179.1  
 98 64.1 44.1 81.9

