

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072918\  
 Data File : VW004271.D  
 Acq On : 27 Jul 2018 14:39  
 Operator : SY/AP  
 Sample : J4169-04  
 Misc : 6.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY59

Quant Time: Jul 27 23:47:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 27 23:17:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 408276   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 366874   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 143920   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 103419   | 25.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.64% |
| 7) Chloroethane-d5             | 2.89   | 69    | 76824    | 25.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.80% |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 187345   | 19.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.36%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 85564    | 36.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.54%  |
| 24) Chloroform-d               | 7.65   | 84    | 258290   | 24.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 151599   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.44%  |
| 29) Benzene-d6                 | 8.27   | 84    | 519520   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.88% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 171447   | 26.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.04% |
| 37) Toluene-d8                 | 10.33  | 98    | 481792   | 26.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 70020    | 23.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.40%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 65177    | 38.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.70%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 139693   | 21.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.60%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 151628   | 28.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.72% |

## Target Compounds

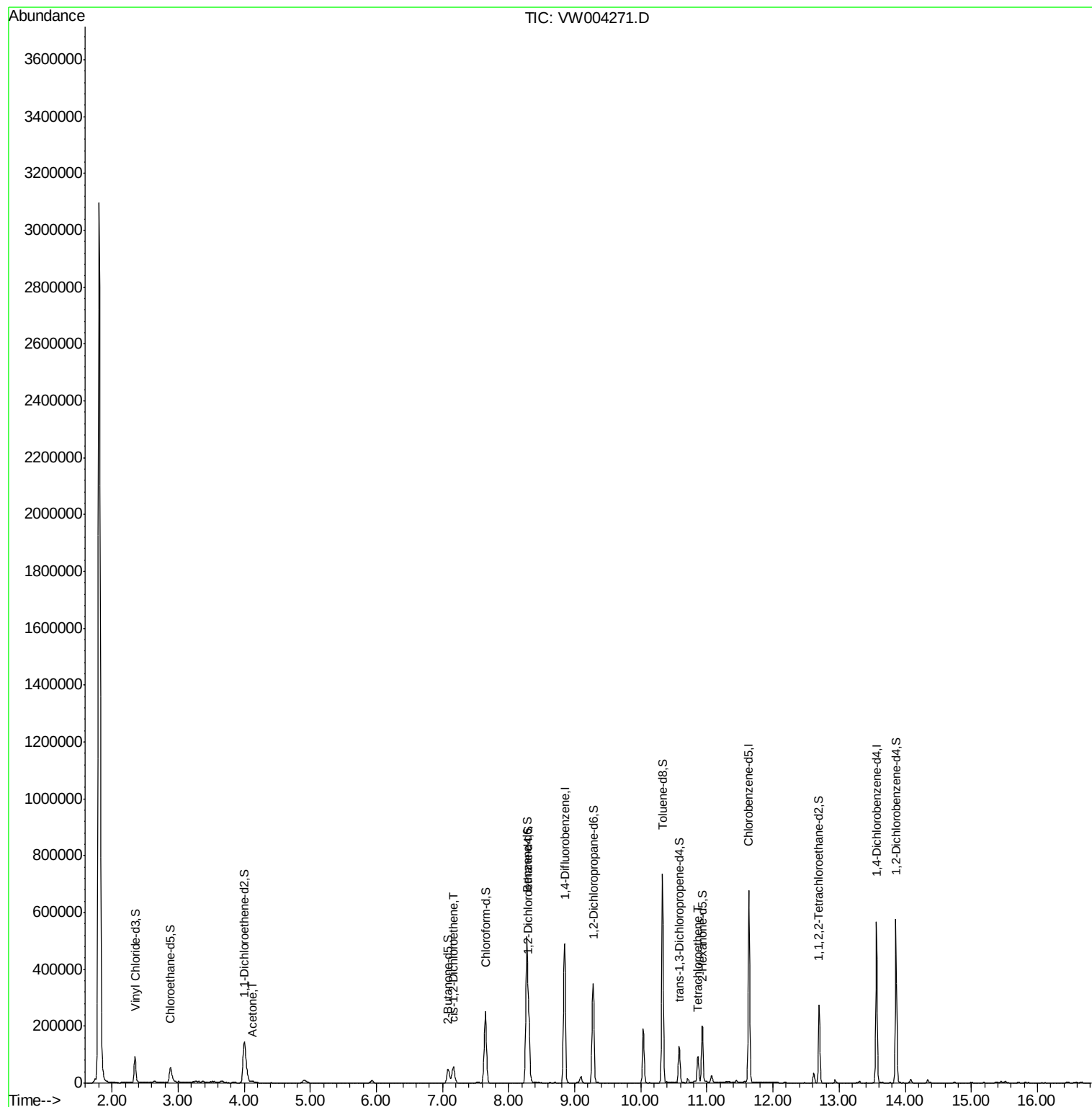
|                            |       |     |       |           | Ovalue |
|----------------------------|-------|-----|-------|-----------|--------|
| 13) Acetone                | 4.12  | 43  | 5863  | 2.50 ug/L | 89     |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 23596 | 4.27 ug/L | 87     |
| 47) Tetrachloroethene      | 10.87 | 164 | 20029 | 4.51 ug/L | 98     |

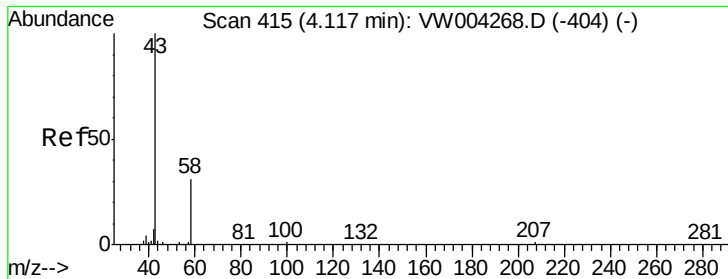
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.50 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004271.D

Acq: 27 Jul 2018 14:39

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MSVOA\_W

ClientSampleId :

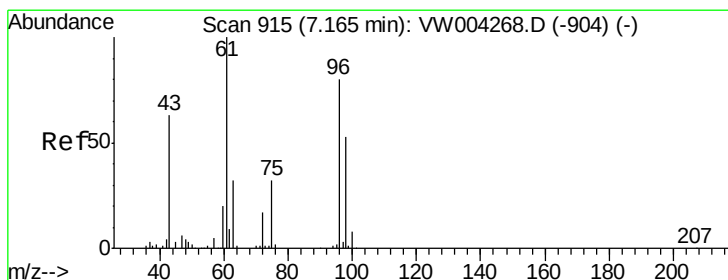
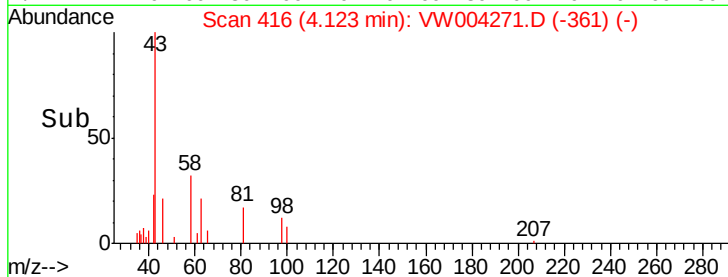
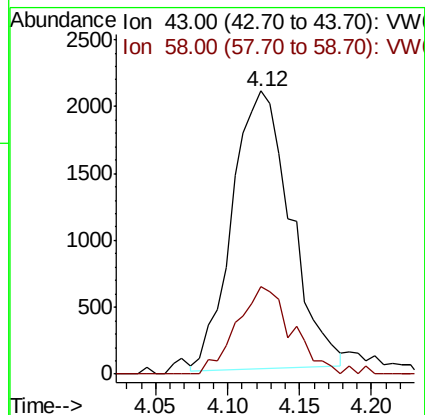
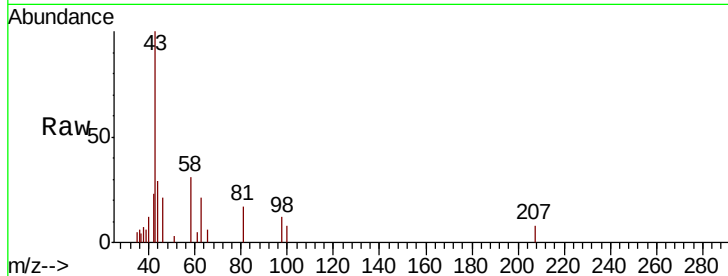
BEY59

Tot Ion: 43 Resp: 5863

Ion Ratio Lower Upper

43 100

58 24.2 0.0 59.8



#22

cis-1,2-Dichloroethene

Concen: 4.27 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004271.D

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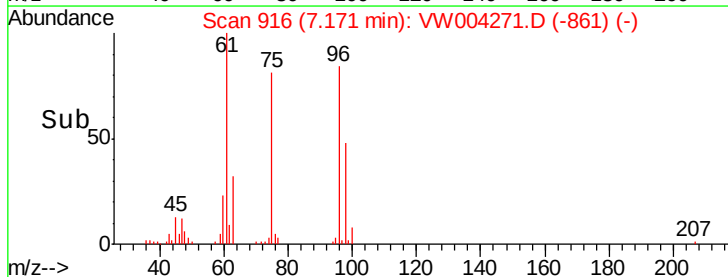
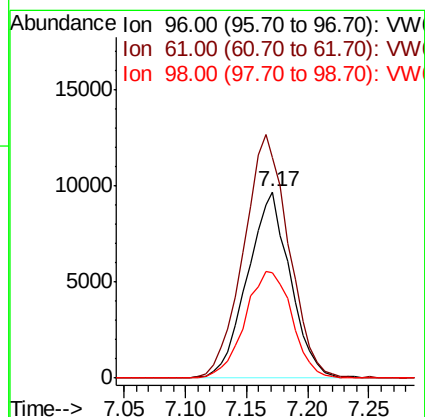
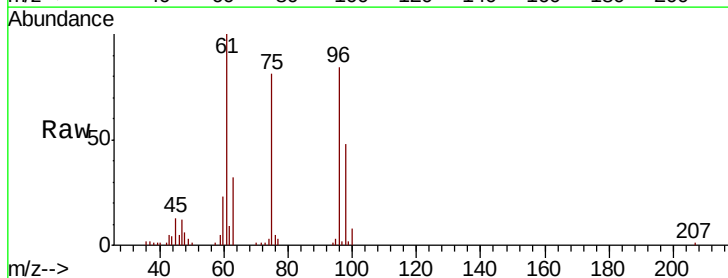
Tgt Ion: 96 Resp: 23596

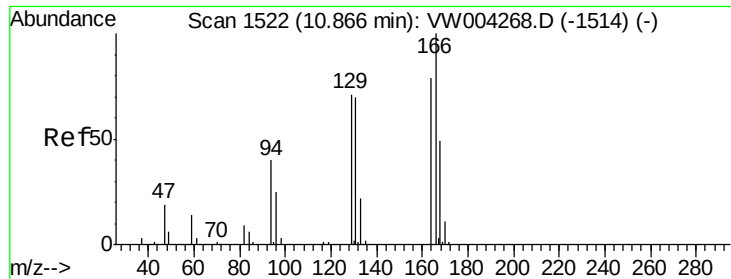
Ion Ratio Lower Upper

96 100

61 118.7 95.1 176.7

98 56.8 45.2 84.0





#47

Tetrachloroethene

Concen: 4.51 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004271.D

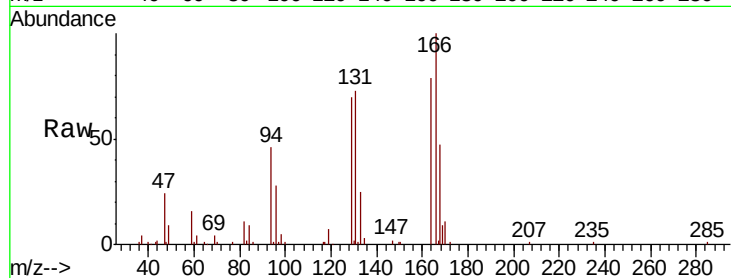
Acq: 27 Jul 2018 14:39

Instrument :

MSVOA\_W

ClientSampleId :

BEY59



Tot Ion:164 Resp: 20029

Ion Ratio Lower Upper

164 100

129 89.0 63.4 117.8

131 92.0 63.1 117.1

166 126.5 87.5 162.5

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

