

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\  
 Data File : VW010127.D  
 Acq On : 25 Apr 2019 03:50  
 Operator : SY/VA  
 Sample : K2481-19  
 Misc : 5.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAHX2

Quant Time: Apr 25 08:14:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 25 03:54:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 658516   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 559687   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 212078   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 136241   | 21.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 119024   | 22.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 279113   | 15.11    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.44%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 37772    | 12.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 25.42%  |
| 24) Chloroform-d               | 7.65   | 84    | 417231   | 23.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 242419   | 23.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.56%  |
| 29) Benzene-d6                 | 8.27   | 84    | 791619   | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.88%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 260130   | 26.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.28% |
| 37) Toluene-d8                 | 10.32  | 98    | 650107   | 22.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 71151    | 15.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 62.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 34552    | 16.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 33.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 191007   | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 191276   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.44%  |

## Target Compounds

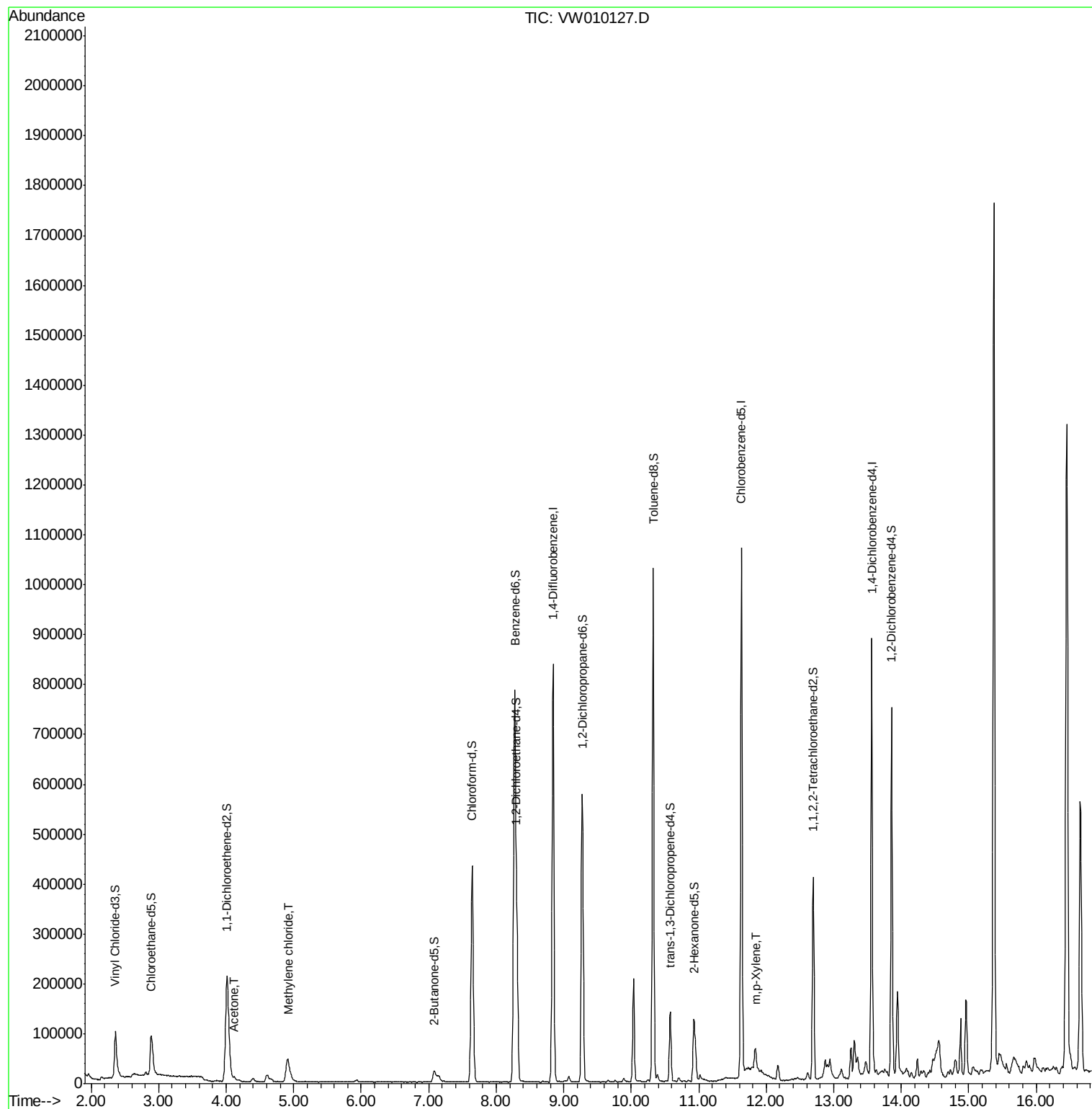
|                        |       |     |       |            | Ovalue |
|------------------------|-------|-----|-------|------------|--------|
| 13) Acetone            | 4.12  | 43  | 11535 | 5.142 ug/L | 68     |
| 16) Methylene chloride | 4.92  | 84  | 41906 | 4.540 ug/L | 89     |
| 54) m,p-Xylene         | 11.84 | 106 | 11379 | 0.761 ug/L | 88     |

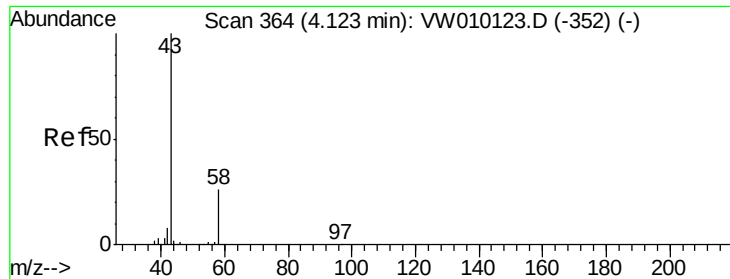
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Apr 25 03:54:59 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 5.142 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010127.D

Acq: 25 Apr 2019 03:50

Instrument :

MSVOA\_W

ClientSampleId :

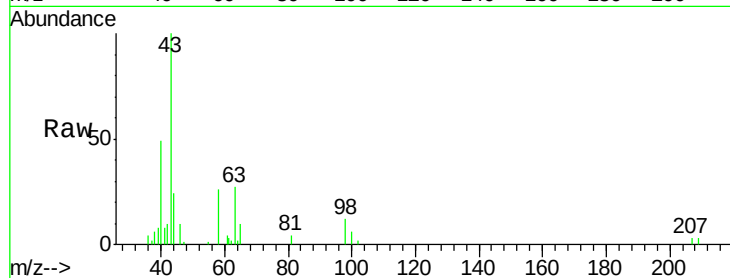
GAHX2

Tot Ion: 43 Resp: 11535

Ion Ratio Lower Upper

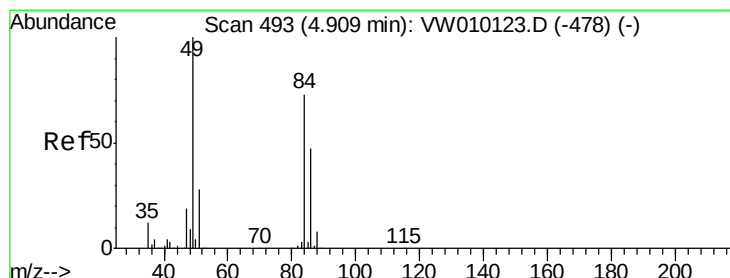
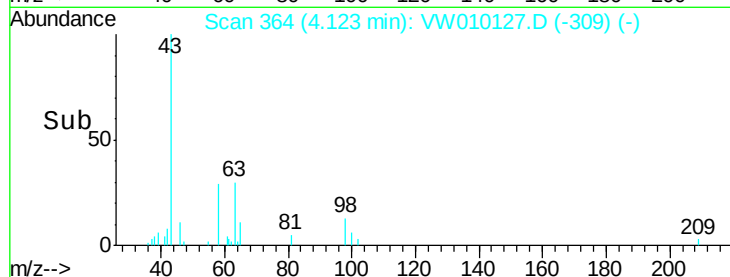
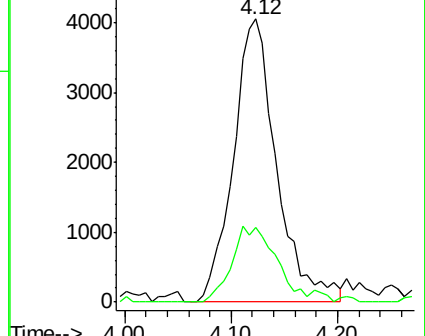
43 100

58 12.2 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.540 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010127.D

Acq: 25 Apr 2019 03:50

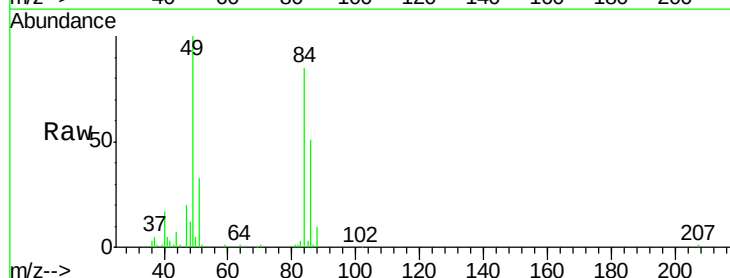
Tgt Ion: 84 Resp: 41906

Ion Ratio Lower Upper

84 100

49 117.8 93.5 173.7

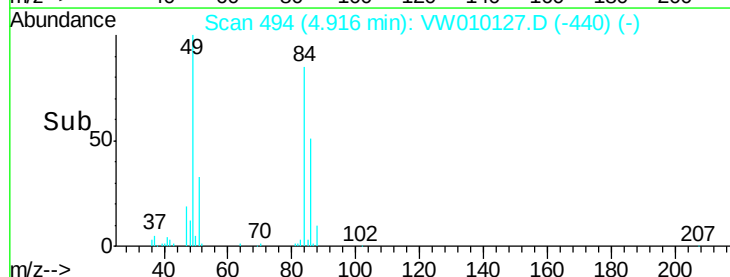
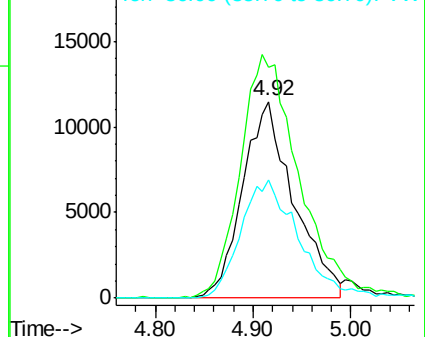
86 60.5 44.9 83.5

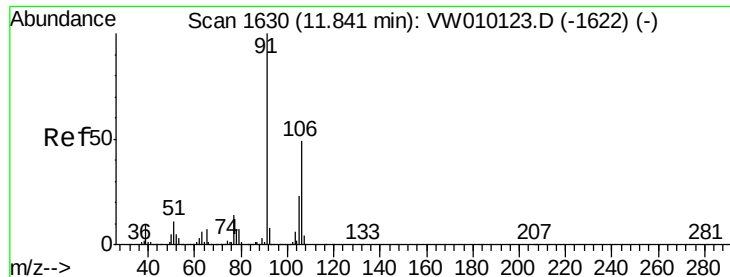


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#54

m,p-Xylene

Concen: 0.761 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

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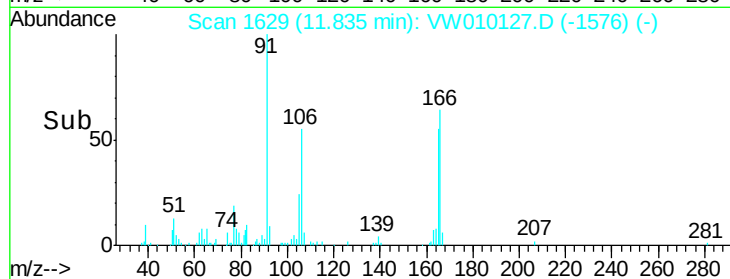
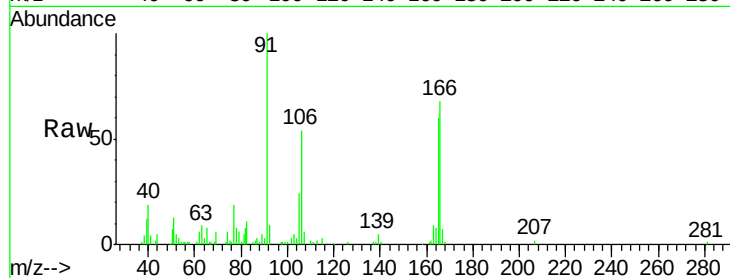
GAHX2

Tot Ion:106 Resp: 11379

Ion Ratio Lower Upper

106 100

91 185.7 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

