

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW042419\  
 Data File : VW010136.D  
 Acq On : 25 Apr 2019 11:21  
 Operator : SY/VA  
 Sample : VW0424SBL03  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK14

Quant Time: Apr 26 01:07:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 26 01:05:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 805854   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 752235   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 352739   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 204049   | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.96% |
| 7) Chloroethane-d5             | 2.89   | 69    | 161671   | 25.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.60% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 395386   | 17.49    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.96%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 159608   | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.76%  |
| 24) Chloroform-d               | 7.64   | 84    | 492366   | 22.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 285452   | 22.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1030967  | 24.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 317373   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.56%  |
| 37) Toluene-d8                 | 10.32  | 98    | 937924   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 138434   | 22.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 125698   | 45.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.08%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 246699   | 22.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 330116   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.12% |

## Target Compounds

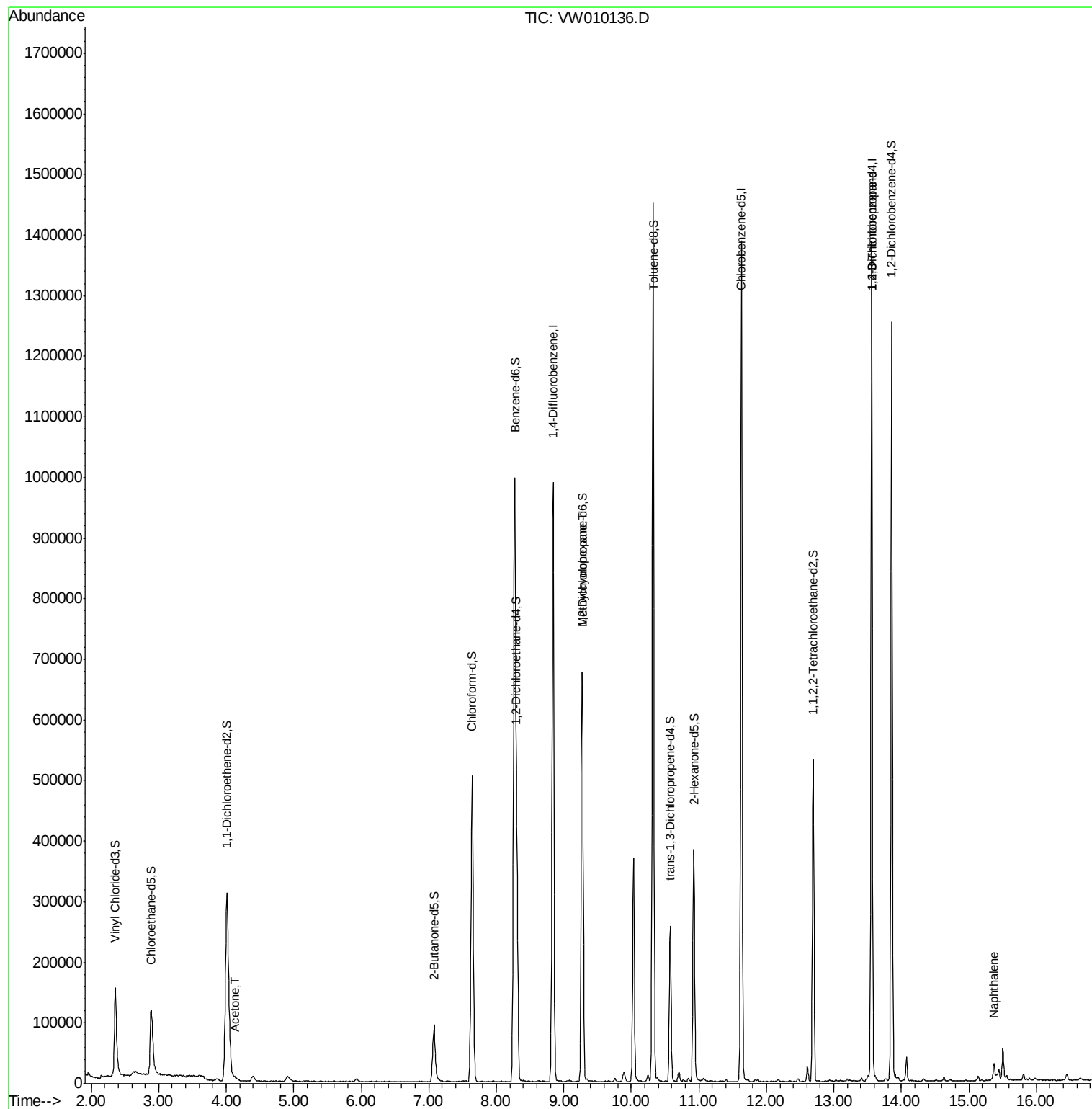
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                | 4.12  | 43  | 4420  | 1.610 ug/L   | 88     |
| 36) Methylcyclohexane      | 9.27  | 83  | 76787 | 3.797 ug/L # | 17     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75  | 44010 | 5.360 ug/L   | 93     |
| 69) Naphthalene            | 15.37 | 128 | 27073 | 0.819 ug/L   | 99     |

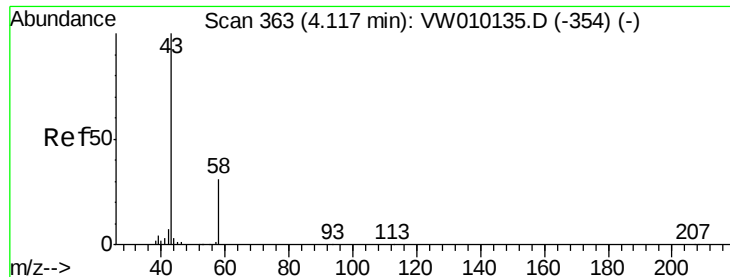
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_W  
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VBLK14

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 26 01:05:00 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.610 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010136.D

Acq: 25 Apr 2019 11:21

Instrument :

MSVOA\_W

ClientSampleId :

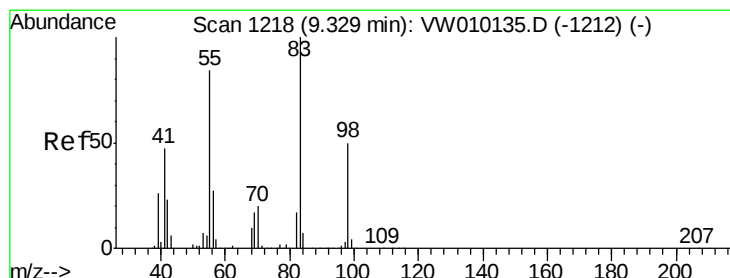
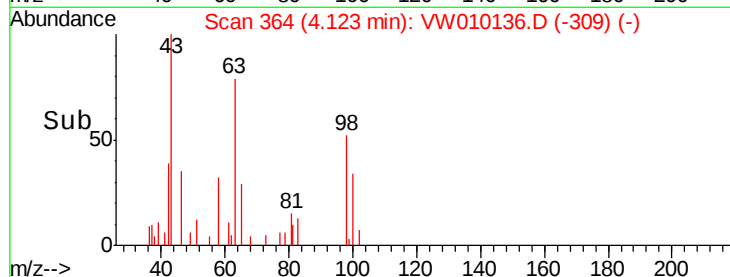
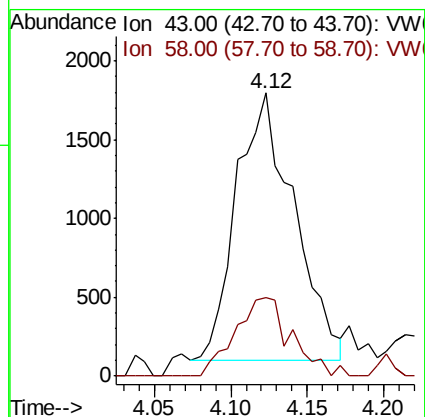
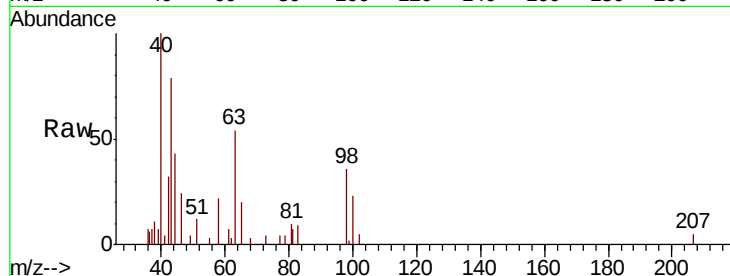
VBLK14

Tgt Ion: 43 Resp: 4420

Ion Ratio Lower Upper

43 100

58 22.8 0.0 58.2



#36

Methylcyclohexane

Concen: 3.797 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW010136.D

Acq: 25 Apr 2019 11:21

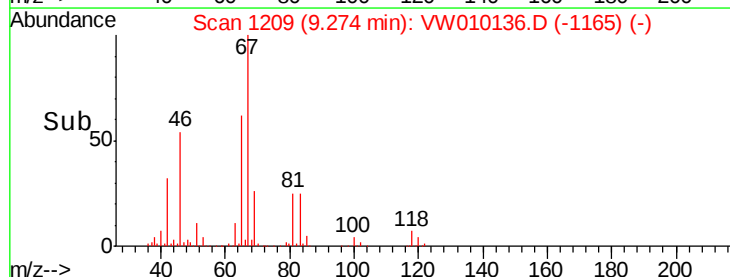
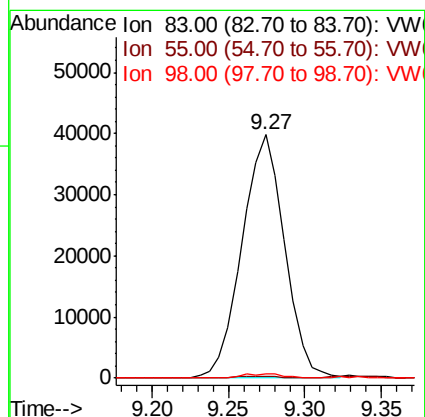
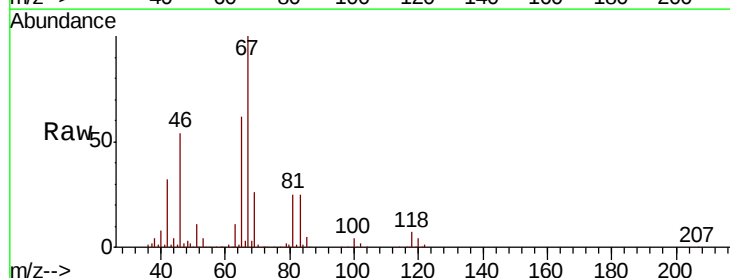
Tgt Ion: 83 Resp: 76787

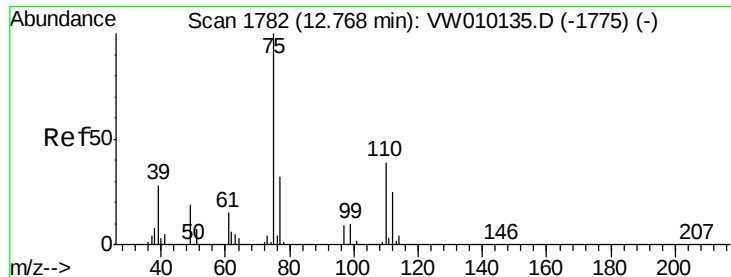
Ion Ratio Lower Upper

83 100

55 0.8 66.6 100.0#

98 1.8 39.1 58.7#

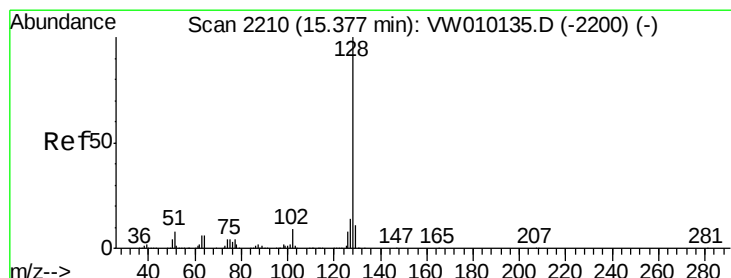
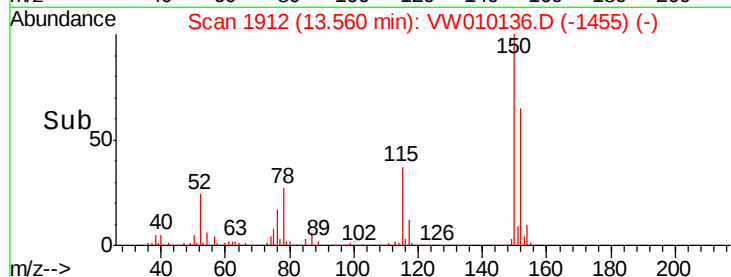
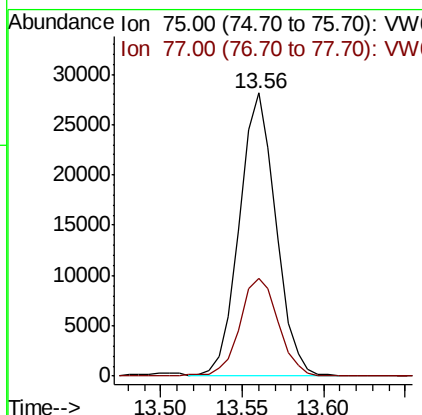
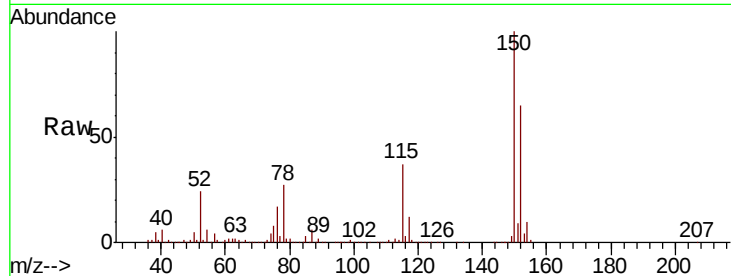




#59  
 1,2,3-Trichloropropane  
 Concen: 5.360 ug/L  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.79 min  
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 Acq: 25 Apr 2019 11:21

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VBLK14

Tgt Ion: 75 Resp: 44010  
 Ion Ratio Lower Upper  
 75 100  
 77 36.3 26.1 39.1



#69  
 Naphthalene  
 Concen: 0.819 ug/L  
 RT: 15.37 min Scan# 2209  
 Delta R.T. -0.00 min  
 Lab File: VW010136.D  
 Acq: 25 Apr 2019 11:21

Tgt Ion: 128 Resp: 27073  
 Ion Ratio Lower Upper  
 128 100  
 129 10.9 8.6 13.0  
 127 14.3 10.8 16.2

