

Data File : VW014878.D  
Acq On : 05 Feb 2020 17:37  
Operator : SY/VA  
Sample : L1324-01  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAT58

Quant Time: Feb 06 03:01:44 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 06 02:59:09 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1087322  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 987206   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 405602   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 357242   | 19.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.40%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 352428   | 24.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 563502   | 17.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.52%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 218503   | 43.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.50%  |
| 24) Chloroform-d               | 7.65   | 84    | 789712   | 25.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.32% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 425340   | 24.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1619423  | 25.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.04% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 533803   | 25.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 1426747  | 25.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.16% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 181842   | 22.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.04%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 163056   | 43.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 358938   | 23.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 434307   | 27.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.44% |

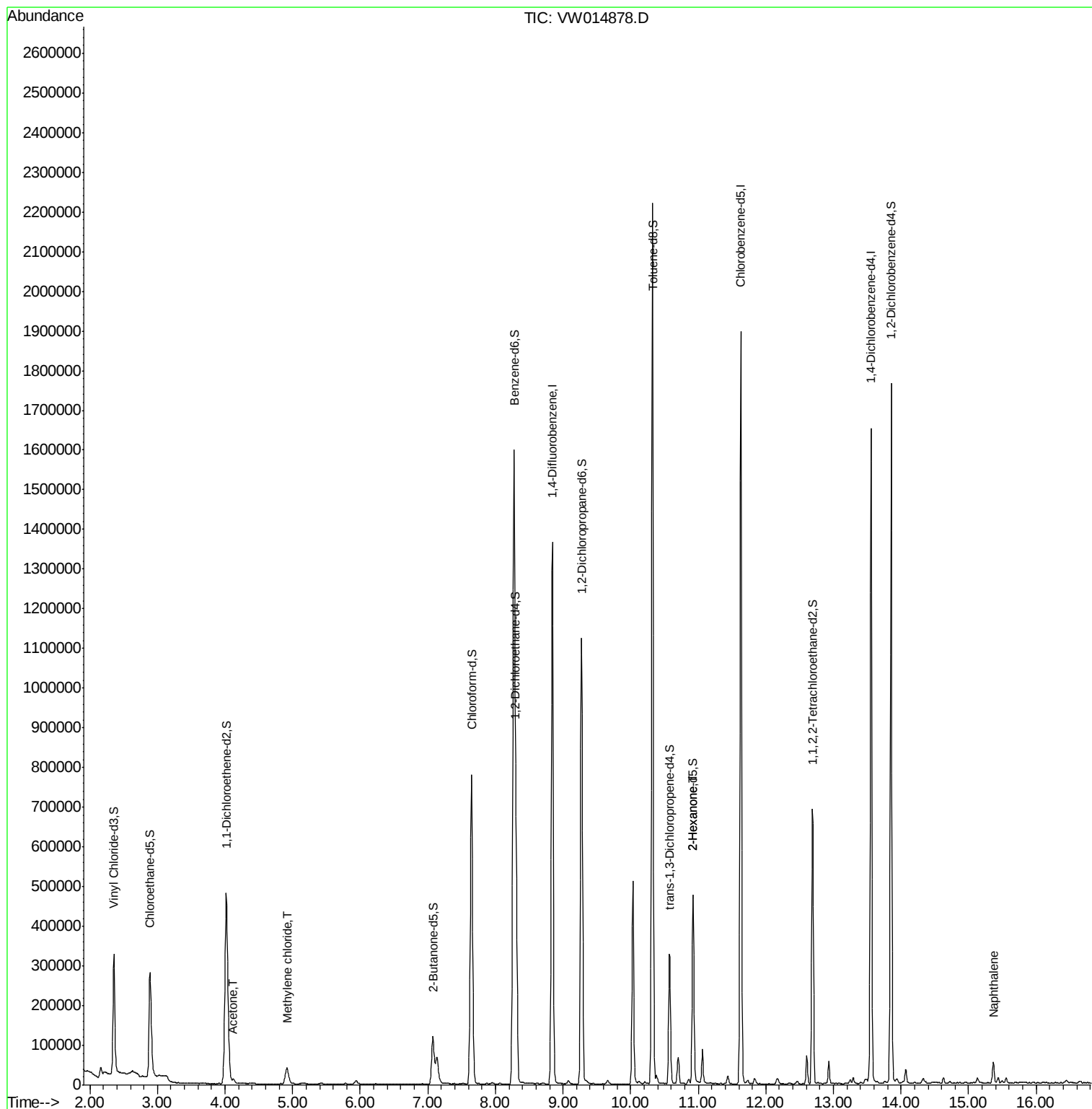
| Target Compounds       |       |     |       |              | Qvalue |
|------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone            | 4.12  | 43  | 15026 | 2.882 ug/L   | 91     |
| 16) Methylene chloride | 4.92  | 84  | 32789 | 1.655 ug/L   | 96     |
| 49) 2-Hexanone         | 10.92 | 43  | 20450 | 2.444 ug/L # | 69     |
| 69) Naphthalene        | 15.36 | 128 | 42326 | 1.388 ug/L   | 97     |

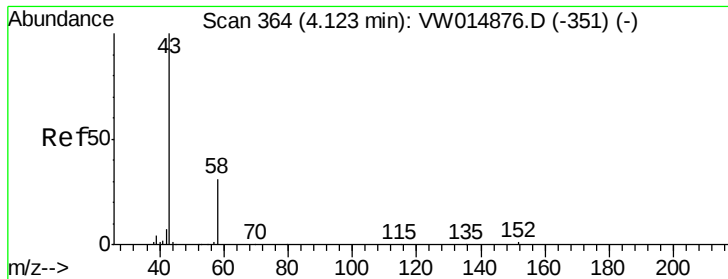
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.882 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Acq: 05 Feb 2020 17:37

Instrument :

MSVOA\_W

ClientSampled :

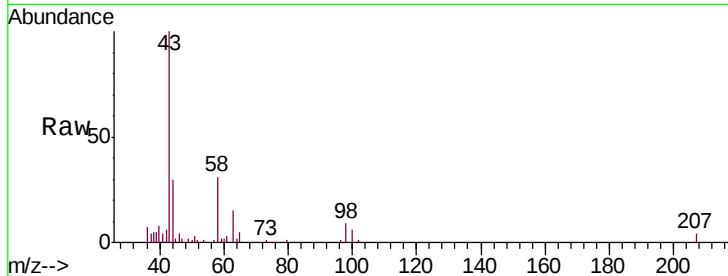
GAT58

Tgt Ion: 43 Resp: 15026

Ion Ratio Lower Upper

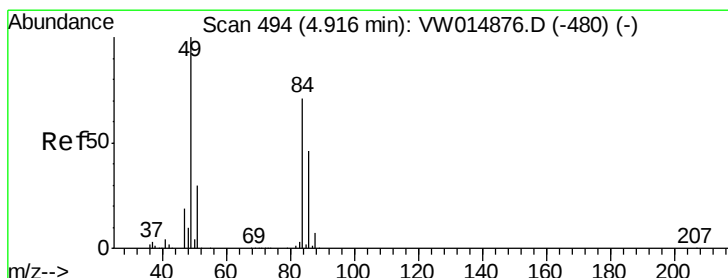
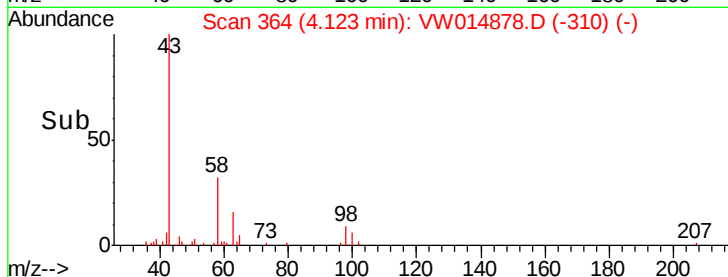
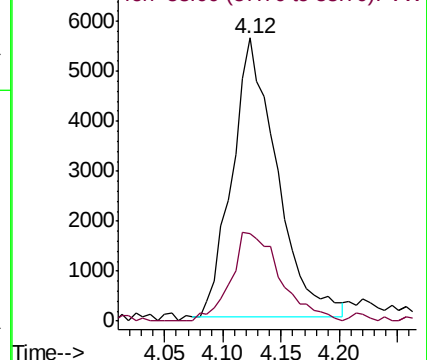
43 100

58 34.8 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.655 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

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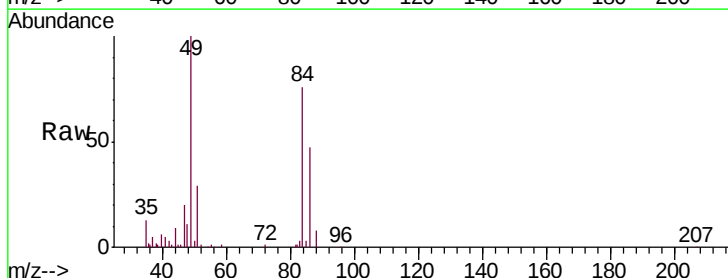
Tgt Ion: 84 Resp: 32789

Ion Ratio Lower Upper

84 100

49 131.8 95.8 177.8

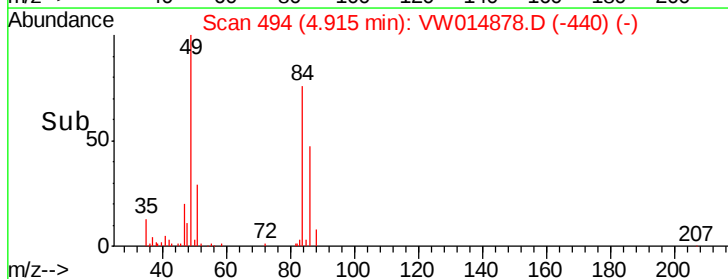
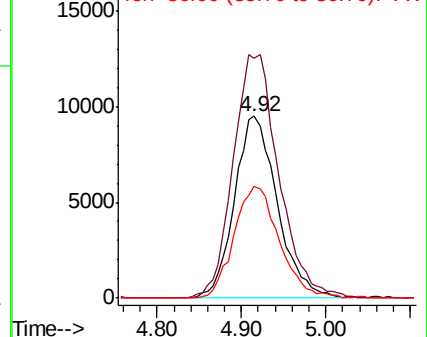
86 61.6 44.2 82.2

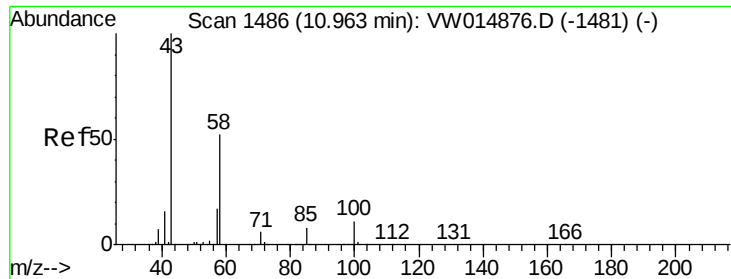


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

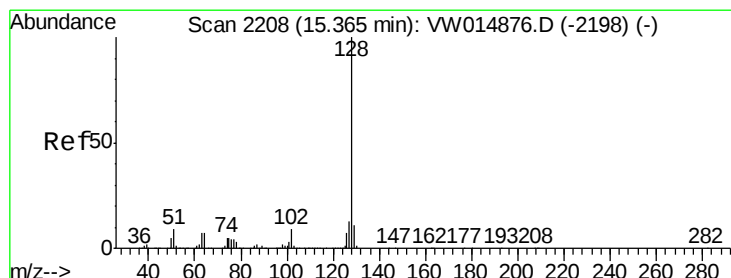
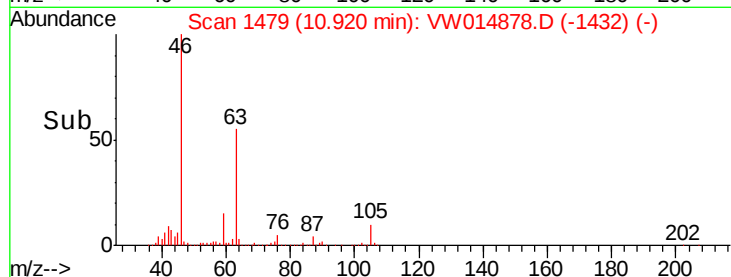
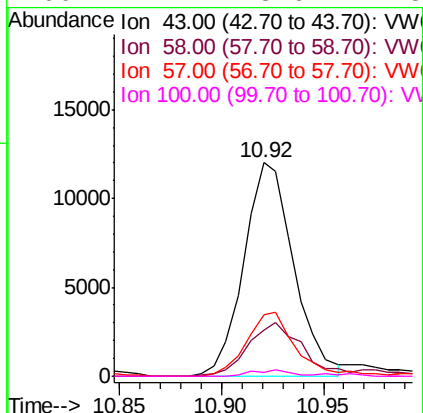
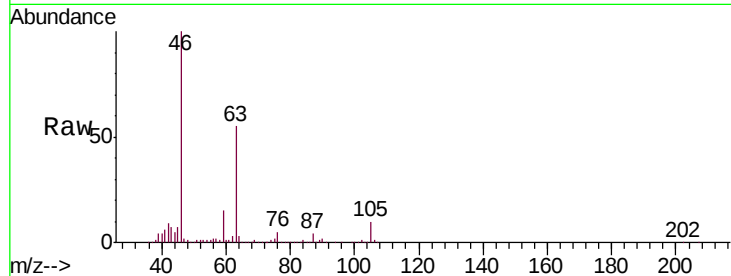




#49  
2-Hexanone  
Concen: 2.444 ug/L  
RT: 10.92 min Scan# 1479  
Delta R.T. -0.04 min  
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MSVOA\_W  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20450 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.4  | 42.2  | 63.2# |
| 57       | 28.8  | 14.5  | 21.7# |
| 100      | 2.4   | 8.6   | 12.8# |



#69  
Naphthalene  
Concen: 1.388 ug/L  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW014878.D  
Acq: 05 Feb 2020 17:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 42326 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 11.7  | 8.7   | 13.1  |
| 127      | 14.3  | 10.5  | 15.7  |

