

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\  
 Data File : VW014449.D  
 Acq On : 18 Dec 2019 23:20  
 Operator : SY/VA  
 Sample : K6279-07RE  
 Misc : 3.67G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEX9RE

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 2:02:36 PM

Quant Time: Dec 19 06:05:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 19 04:35:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 869300   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 720884   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 232802   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 270725   | 20.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 239942   | 24.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 395755   | 17.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.08%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 109852   | 32.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.04%  |
| 24) Chloroform-d               | 7.65   | 84    | 574222   | 25.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.76% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 306421m  | 26.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 1158015  | 27.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.64% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 378687   | 29.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 942015   | 24.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 92344    | 16.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.72%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 77664    | 30.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.10%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 231598   | 21.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 227645   | 25.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.36% |

| Target Compounds       |      |    |        |              | Ovalue |
|------------------------|------|----|--------|--------------|--------|
| 13) Acetone            | 4.12 | 43 | 31343  | 9.477 ug/L   | 100    |
| 14) Carbon disulfide   | 4.39 | 76 | 16360  | 0.460 ug/L # | 89     |
| 16) Methylene chloride | 4.92 | 84 | 22792  | 1.710 ug/L   | 96     |
| 21) 2-Butanone         | 7.13 | 43 | 25227m | 5.681 ug/L   |        |

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

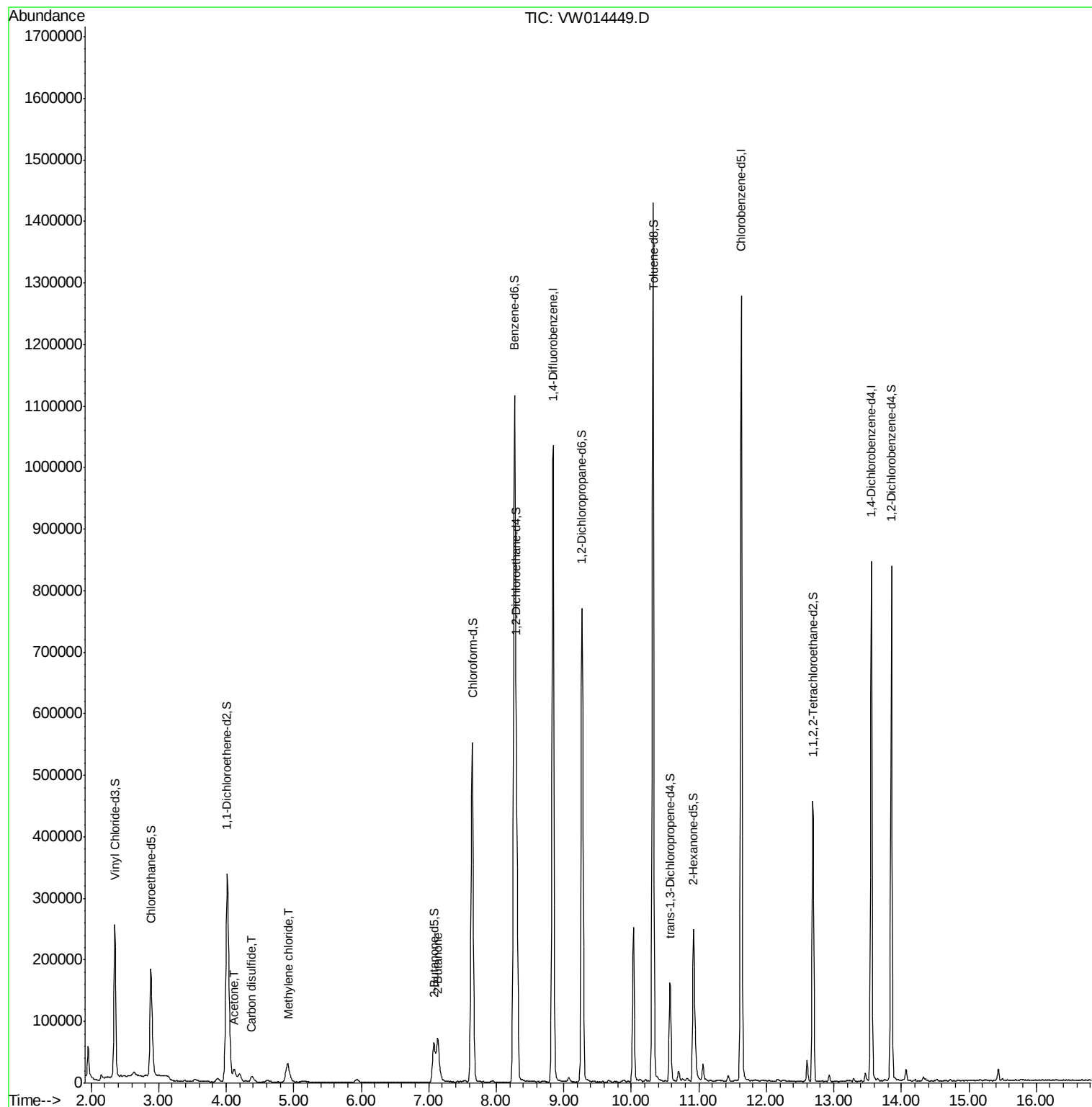
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121819\  
Data File : VW014449.D  
Acq On : 18 Dec 2019 23:20  
Operator : SY/VA  
Sample : K6279-07RE  
Misc : 3.67G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

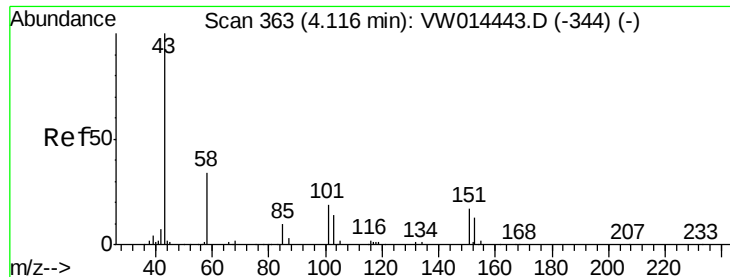
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Quant Title : VOC Analysis  
QLast Update : Thu Dec 19 04:35:06 2019  
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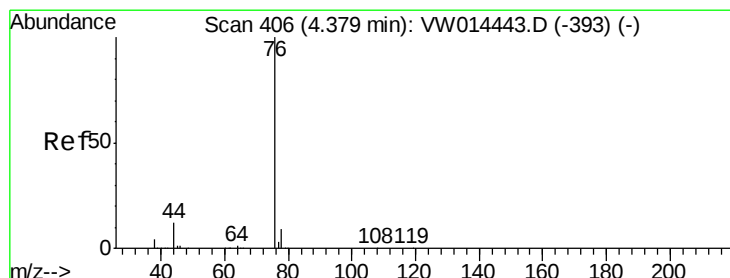
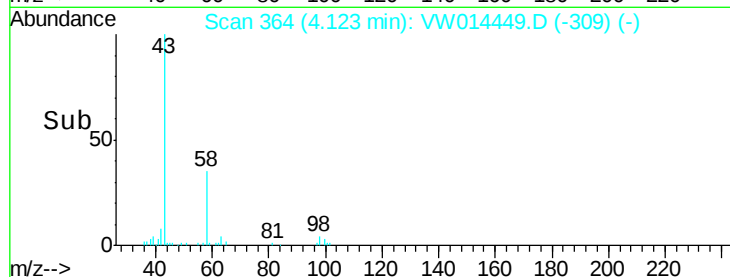
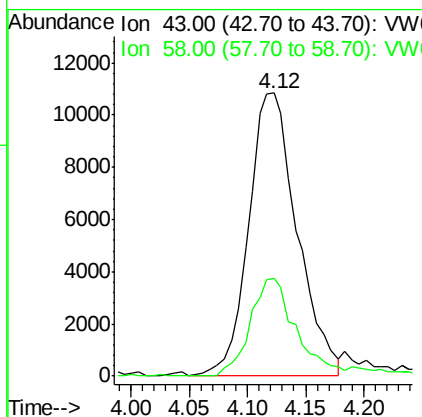
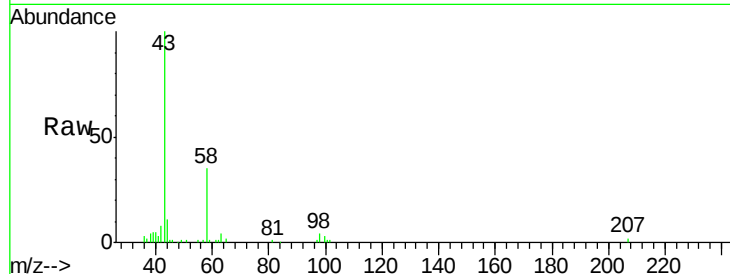
#13  
Acetone  
Concen: 9.477 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW014449.D  
Acq: 18 Dec 2019 23:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
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| Tot Ion   | 43   | Resp  | 31343 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 58        | 32.6 | 0.0   | 65.4  |

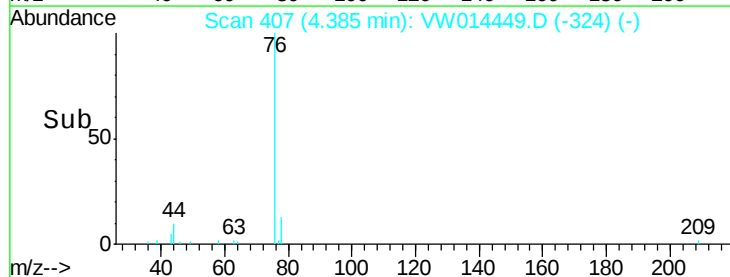
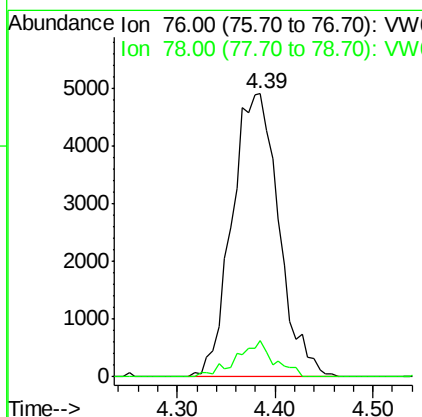
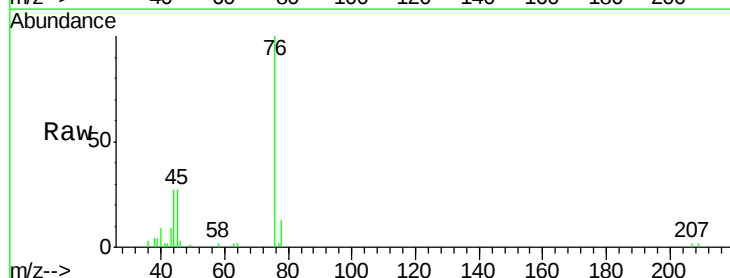
Manual Integrations  
APPROVED

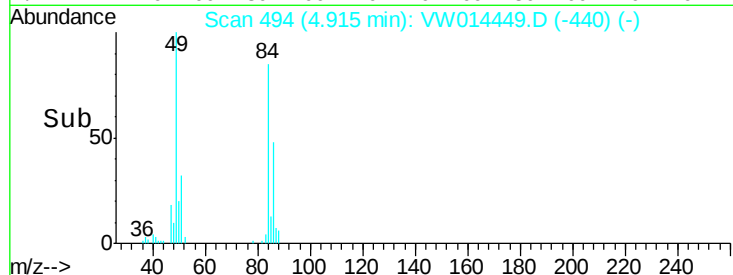
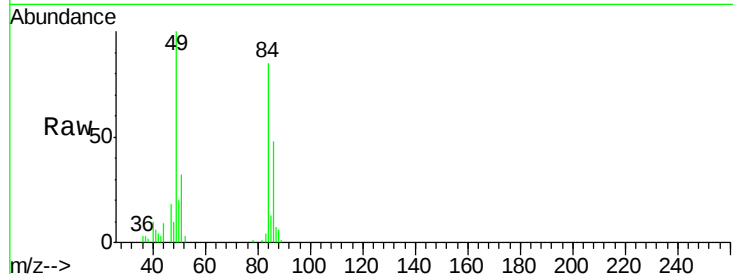
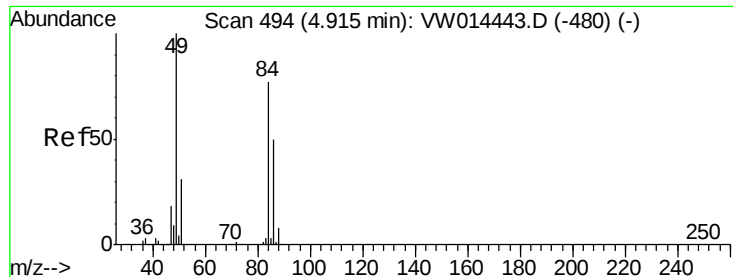
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#14  
Carbon disulfide  
Concen: 0.460 ug/L  
RT: 4.39 min Scan# 407  
Delta R.T. 0.01 min  
Lab File: VW014449.D  
Acq: 18 Dec 2019 23:20

| Tgt Ion   | 76   | Resp  | 16360 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 78        | 13.0 | 7.2   | 10.8# |





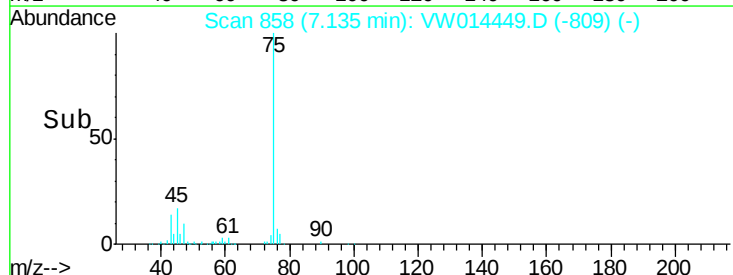
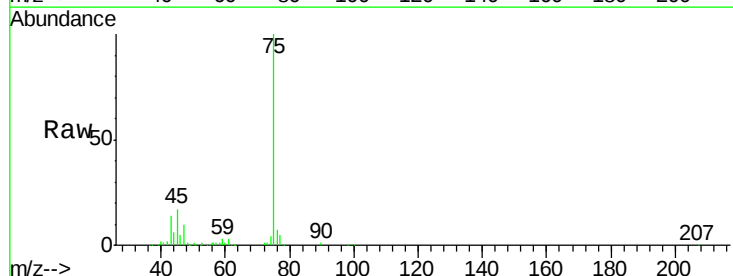
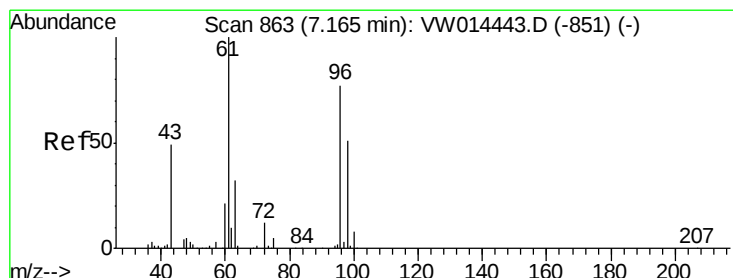
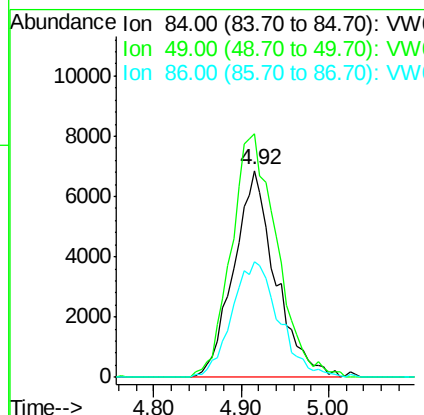
#16  
Methvlene chloride  
Concen: 1.710 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW014449.D  
Acq: 18 Dec 2019 23:20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 117.9 | 84.2  | 156.4 |
| 86      | 56.0  | 43.7  | 81.1  |

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#21  
2-Butanone  
Concen: 5.681 ug/L m  
RT: 7.13 min Scan# 858  
Delta R.T. -0.03 min  
Lab File: VW014449.D  
Acq: 18 Dec 2019 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 0.3   | 14.1  | 42.2# |

