

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120421\  
 Data File : VY006939.D  
 Acq On : 04 Dec 2021 14:20  
 Operator : SY/MD  
 Sample : M4884-09  
 Misc : 3.19g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EW9J5

Quant Time: Dec 05 06:07:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYLEM120321SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 04 02:26:29 2021  
 Response via : Initial Calibration

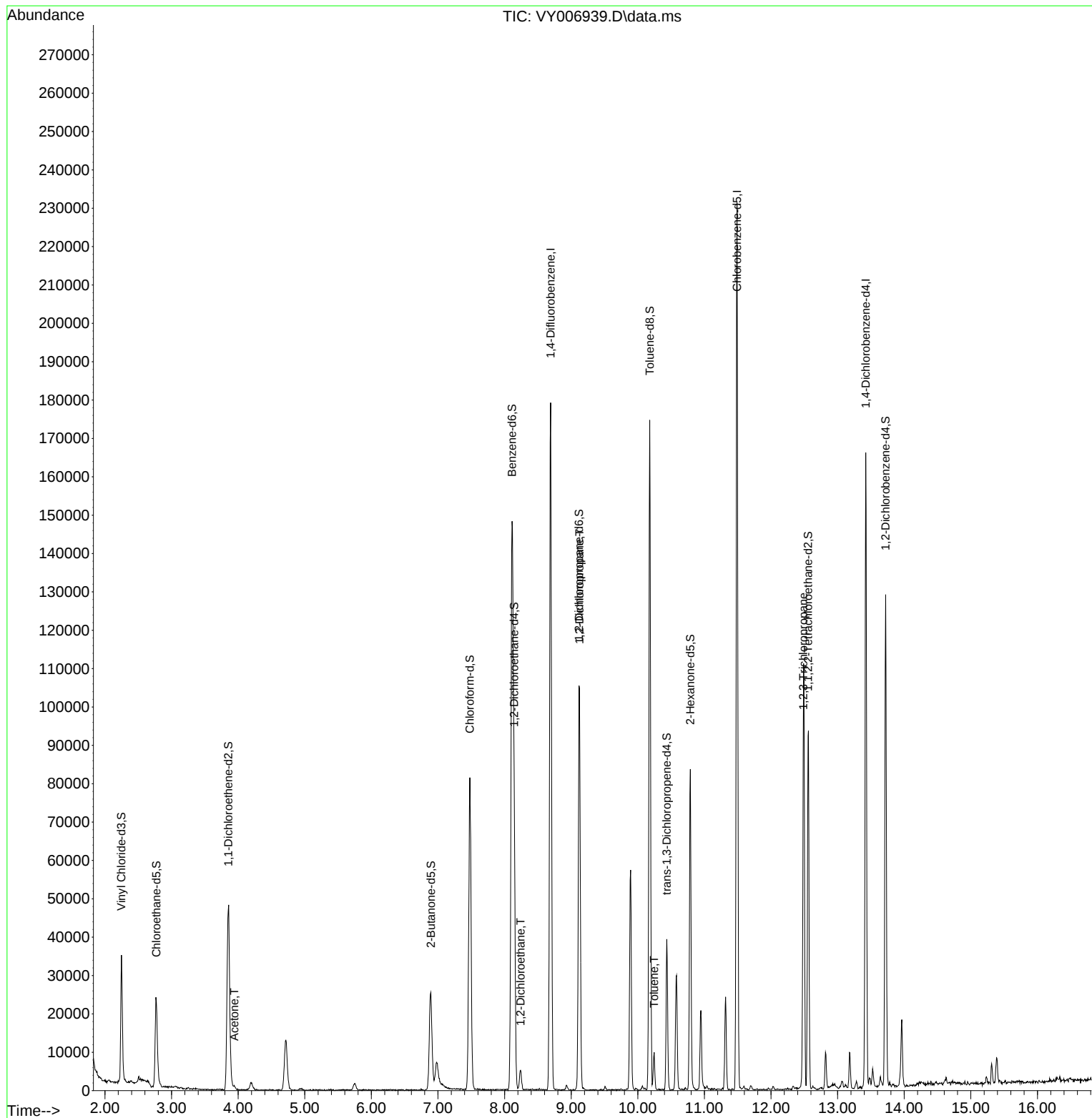
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.691  | 114   | 144962   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.489 | 117   | 118575   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 40154    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.247  | 65    | 33817    | 18.113   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.440%  |
| 7) Chloroethane-d5            | 2.771  | 69    | 29232    | 19.960   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.840%  |
| 11) 1,1-Dichloroethene-d2     | 3.851  | 63    | 47902    | 12.342   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 49.360%  |
| 21) 2-Butanone-d5             | 6.893  | 46    | 46875    | 65.005   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 130.000% |
| 24) Chloroform-d              | 7.478  | 84    | 78564    | 21.747   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.000%  |
| 26) 1,2-Dichloroethane-d4     | 8.142  | 65    | 50805    | 23.429   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.720%  |
| 32) Benzene-d6                | 8.112  | 84    | 137221   | 21.786   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.118  | 67    | 48619    | 24.567   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.280%  |
| 41) Toluene-d8                | 10.179 | 98    | 110933   | 18.804   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 75.200%  |
| 43) trans-1,3-Dichloroprop... | 10.435 | 79    | 19534    | 20.407   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 81.640%  |
| 47) 2-Hexanone-d5             | 10.788 | 63    | 26946    | 58.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 117.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.556 | 84    | 44008    | 26.692   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.760% |
| 66) 1,2-Dichlorobenzene-d4    | 13.721 | 152   | 31208    | 23.833   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.320%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 3.942  | 43    | 1548     | 2.342    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 8.240  | 62    | 5017     | 1.747    | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.124  | 63    | 5545     | 2.713    | ug/L # | 87       |
| 42) Toluene                   | 10.246 | 91    | 6298     | 0.741    | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.483 | 75    | 923      | 0.946    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

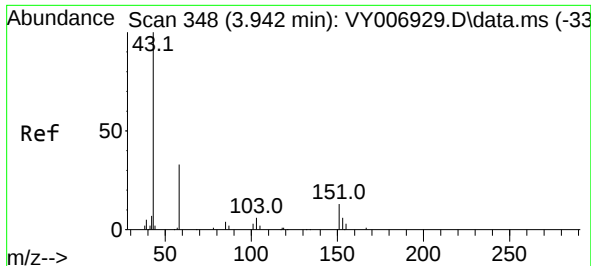
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120421\  
Data File : VY006939.D  
Acq On : 04 Dec 2021 14:20  
Operator : SY/MD  
Sample : M4884-09  
Misc : 3.19g/10.0mL/MSVOA\_Y/SoIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EW9J5

Quant Time: Dec 05 06:07:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Dec 04 02:26:29 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 2.342 ug/L

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY006939.D

Acq: 04 Dec 2021 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

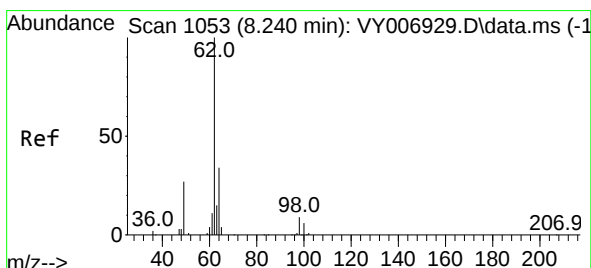
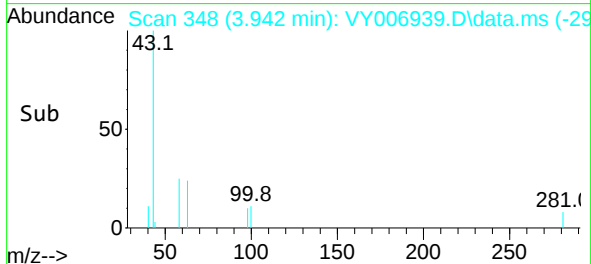
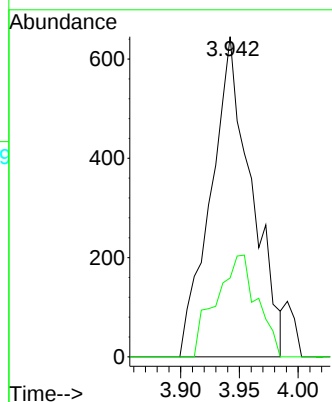
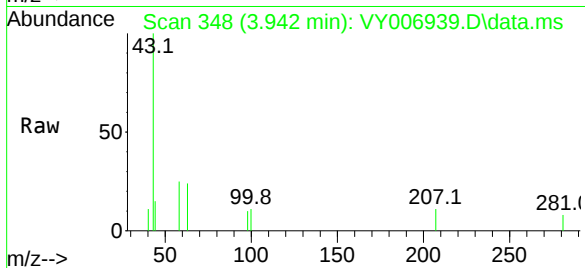
EW9J5

Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

58 27.7 0.0 60.8



#27

1,2-Dichloroethane

Concen: 1.747 ug/L

RT: 8.240 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VY006939.D

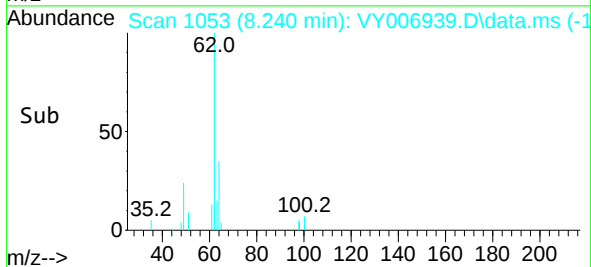
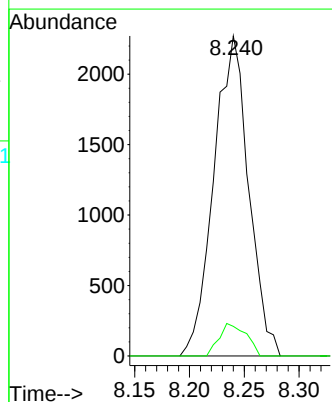
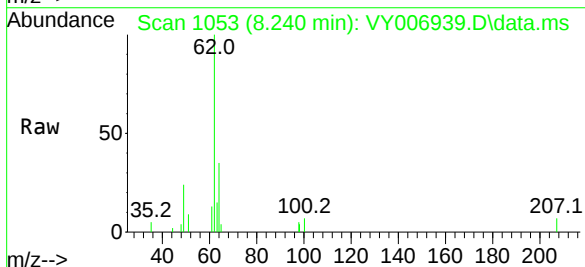
Acq: 04 Dec 2021 14:20

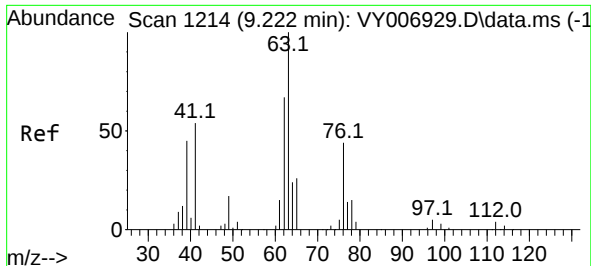
Tgt Ion: 62 Resp: 5017

Ion Ratio Lower Upper

62 100

98 9.2 6.9 10.3





#37

1,2-Dichloropropane

Concen: 2.713 ug/L

RT: 9.124 min Scan# 1198

Delta R.T. -0.092 min

Lab File: VY006939.D

Acq: 04 Dec 2021 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

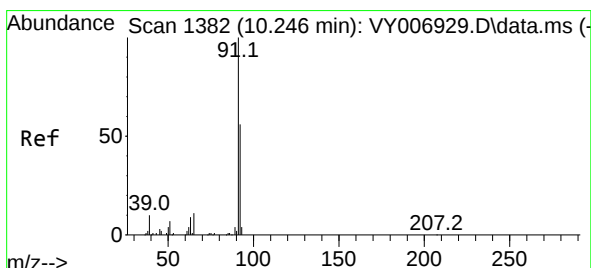
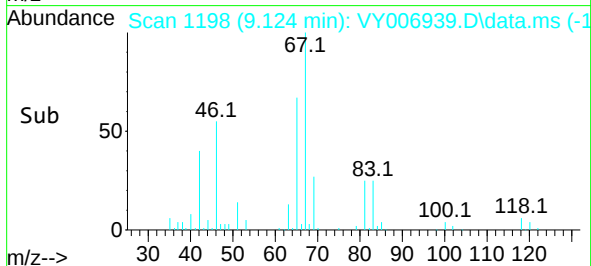
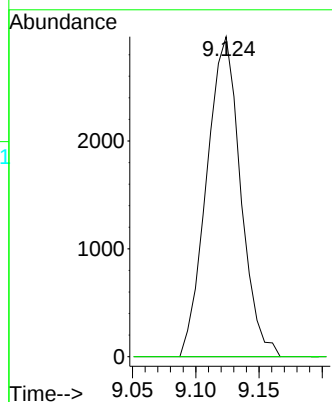
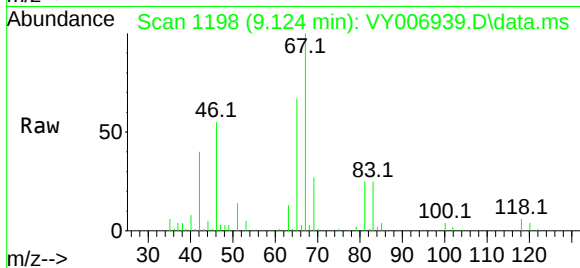
EW9J5

Tgt Ion: 63 Resp: 5545

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 0.741 ug/L

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY006939.D

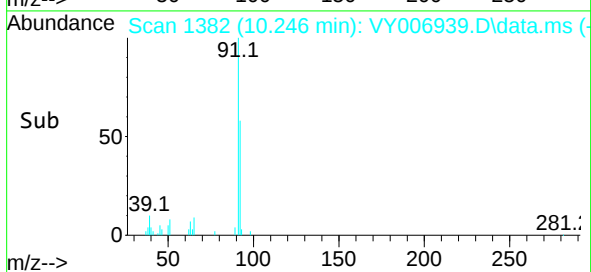
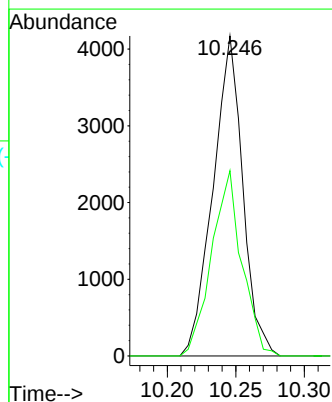
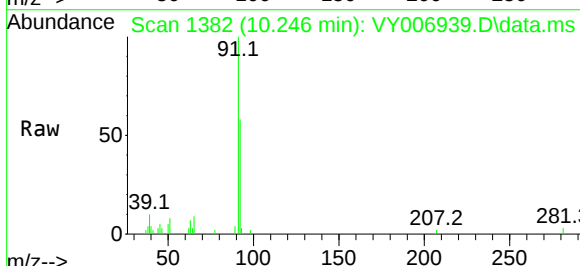
Acq: 04 Dec 2021 14:20

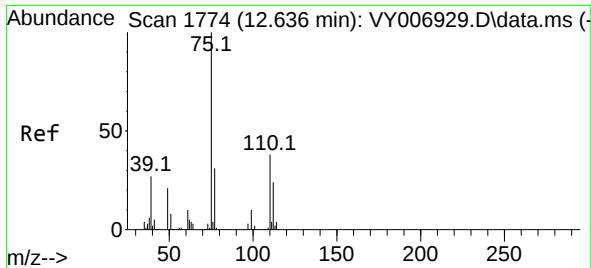
Tgt Ion: 91 Resp: 6298

Ion Ratio Lower Upper

91 100

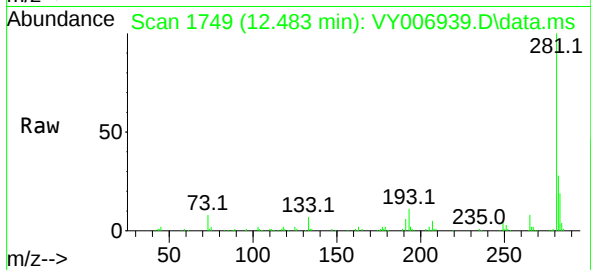
92 57.9 39.8 74.0





#61  
 1,2,3-Trichloropropane  
 Concen: 0.946 ug/L  
 RT: 12.483 min Scan# 11  
 Delta R.T. -0.146 min  
 Lab File: VY006939.D  
 Acq: 04 Dec 2021 14:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EW9J5



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 923         |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 0.0   | 25.4 38.0#  |
| 110         | 28.0  | 31.7 47.5#  |

