

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\  
 Data File : VW005822.D  
 Acq On : 03 Oct 2018 18:30  
 Operator : SY/AP  
 Sample : J5182-03  
 Misc : 3.94G/105ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 04 05:18:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 04 05:16:38 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 241849   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 211424   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 74356    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 41954    | 13.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 54.44% |
| 7) Chloroethane-d5             | 2.90   | 69    | 38482    | 16.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.00% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 76143    | 11.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 45.24% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 23268    | 23.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 47.02% |
| 24) Chloroform-d               | 7.65   | 84    | 135108   | 21.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 79418    | 21.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.44% |
| 29) Benzene-d6                 | 8.28   | 84    | 221543   | 21.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.68% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 73674    | 24.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.40% |
| 37) Toluene-d8                 | 10.33  | 98    | 190866   | 18.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 73.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 24202    | 15.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 60.92% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 13969    | 19.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 39.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 53874    | 18.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 73.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 52454    | 19.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 79.76% |

## Target Compounds

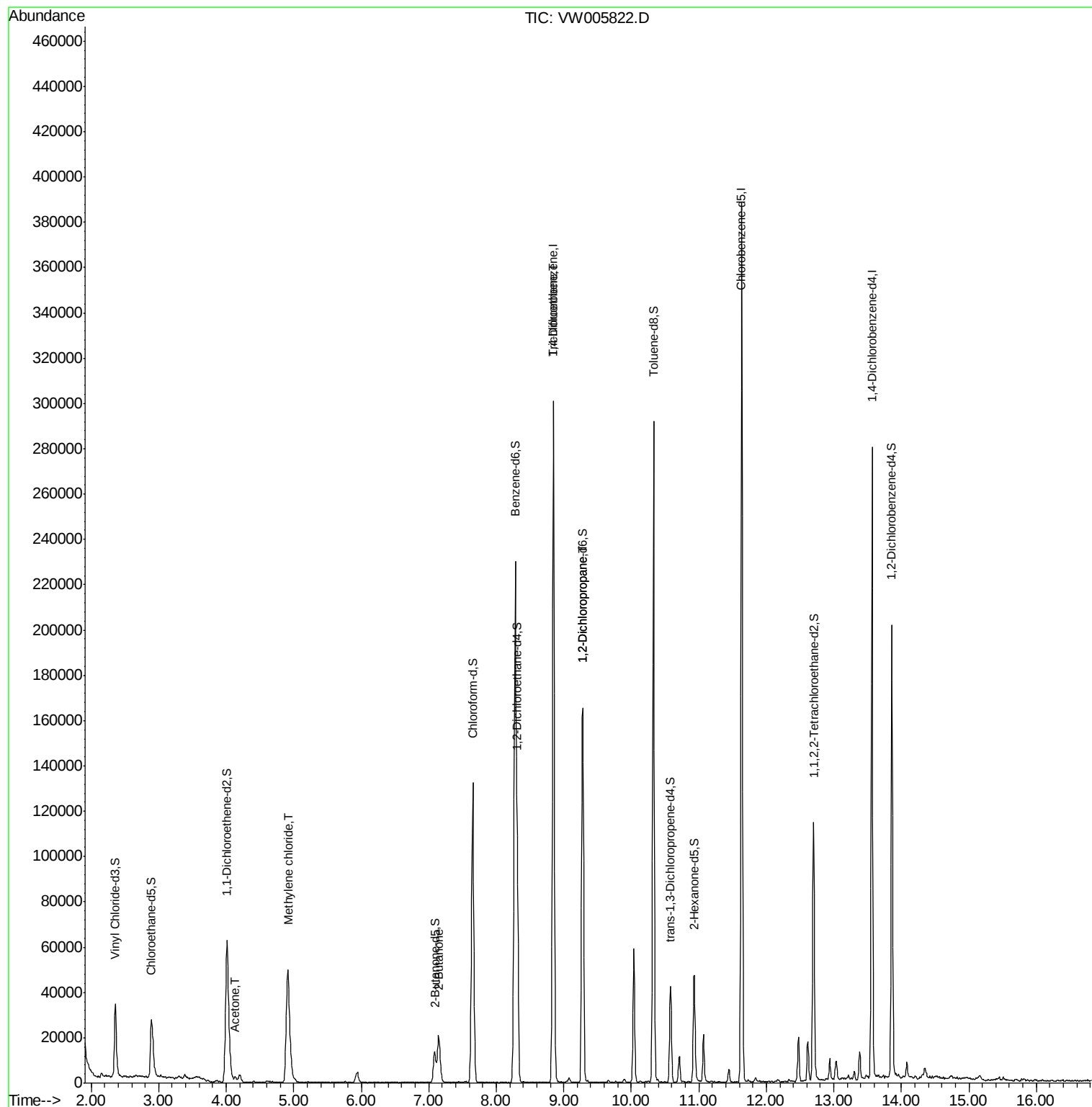
|                         |      |    |       |              | Ovalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 4.14 | 43 | 2558  | 2.482 ug/L   | 94     |
| 16) Methylene chloride  | 4.92 | 84 | 44446 | 11.146 ug/L  | 97     |
| 21) 2-Butanone          | 7.15 | 43 | 3794  | 3.074 ug/L # | 49     |
| 35) Trichloroethene     | 8.85 | 95 | 7792  | 2.438 ug/L # | 5      |
| 40) 1,2-Dichloropropane | 9.27 | 63 | 9079  | 3.119 ug/L # | 89     |

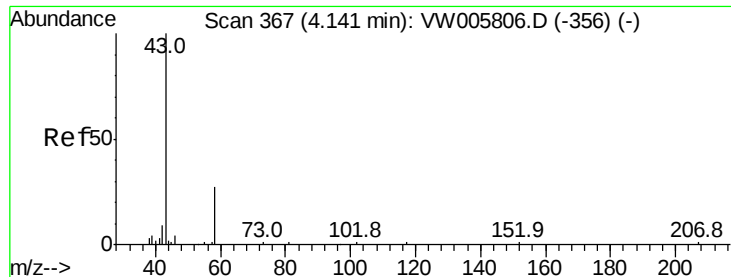
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 04 05:16:38 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.482 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005822.D

Acq: 03 Oct 2018 18:30

Instrument :

MSVOA\_W

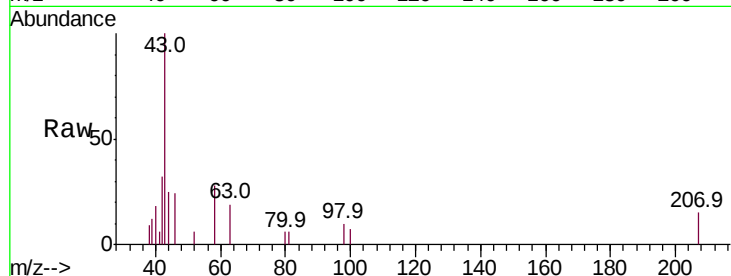
ClientSampled :

Tot Ion: 43 Resp: 2558

Ion Ratio Lower Upper

43 100

58 13.4 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1000

800

600

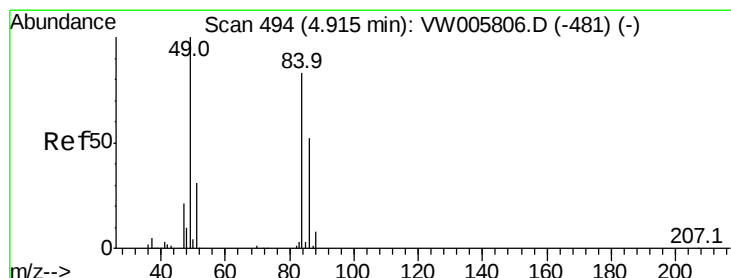
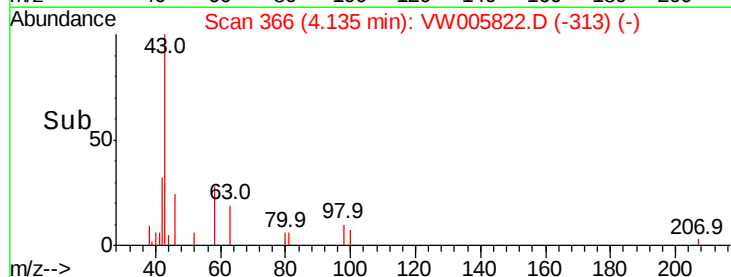
400

200

0

Time-->

4.05 4.10 4.15 4.20



#16

Methylene chloride

Concen: 11.146 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW005822.D

Acq: 03 Oct 2018 18:30

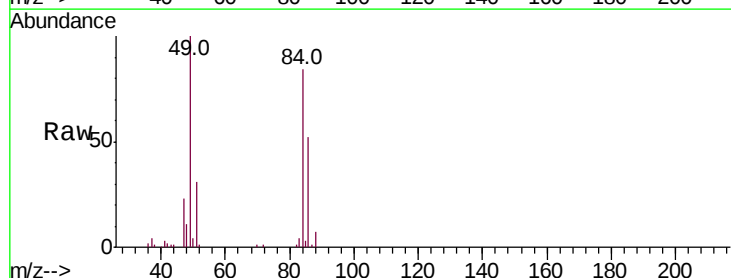
Tgt Ion: 84 Resp: 44446

Ion Ratio Lower Upper

84 100

49 118.9 87.2 162.0

86 61.7 43.2 80.2



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

20000

15000

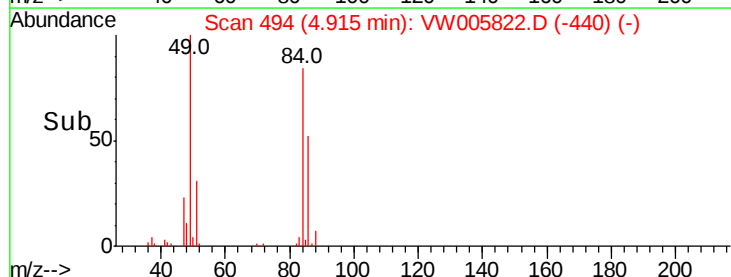
10000

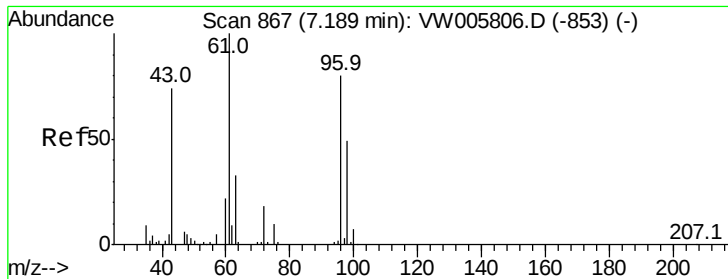
5000

0

Time-->

4.80 4.90 5.00





#21

2-Butanone

Concen: 3.074 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.04 min

Lab File: VW005822.D

Acq: 03 Oct 2018 18:30

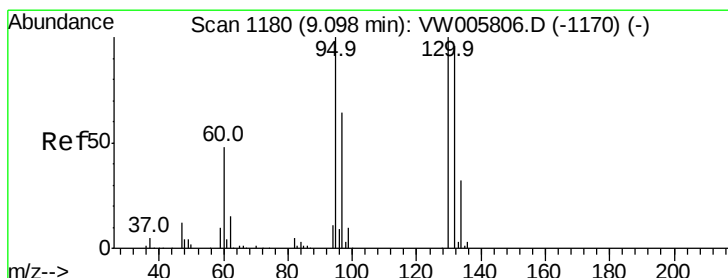
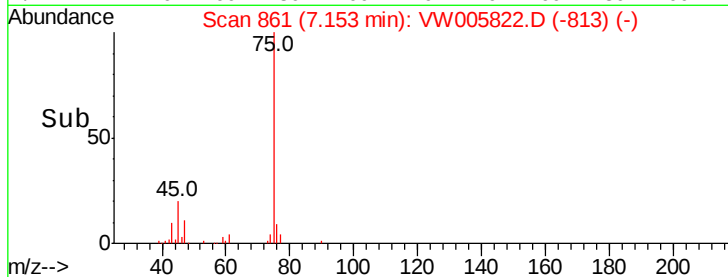
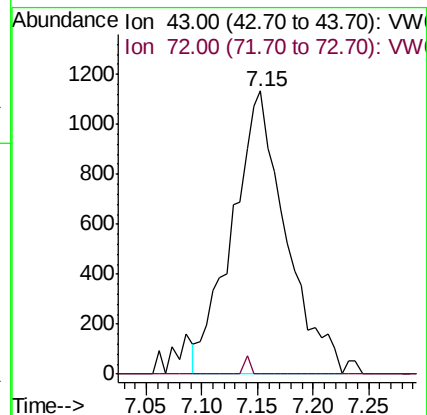
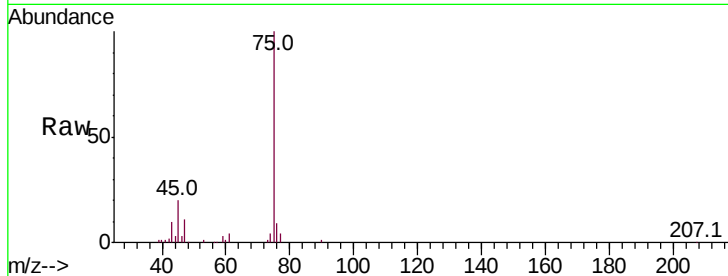
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 3794

Ion Ratio Lower Upper

43 100

72 0.0 13.2 39.6#



#35

Trichloroethene

Concen: 2.438 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW005822.D

Acq: 03 Oct 2018 18:30

Tgt Ion: 95 Resp: 7792

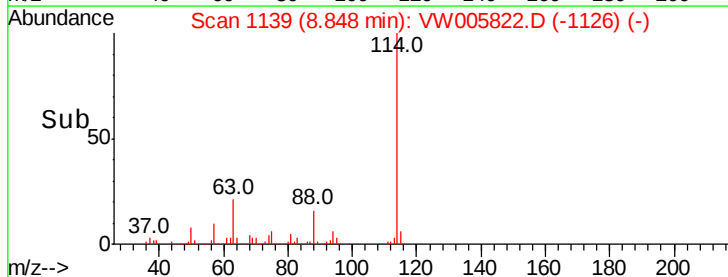
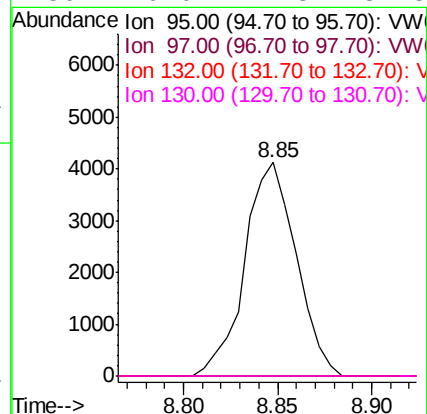
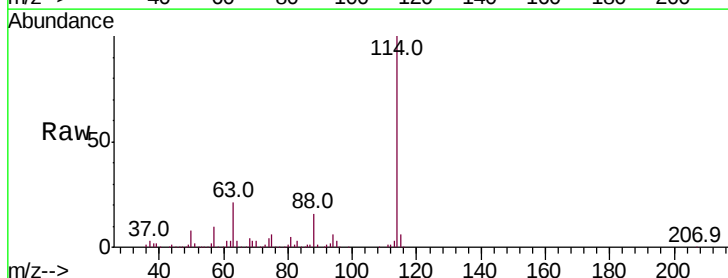
Ion Ratio Lower Upper

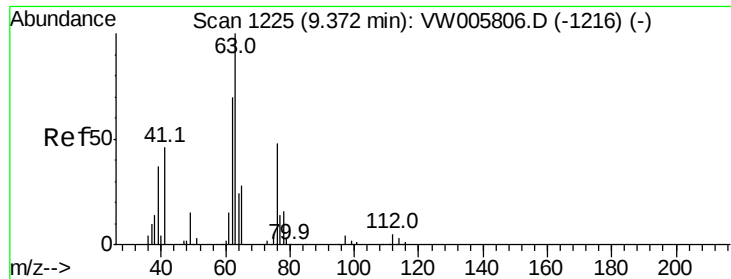
95 100

97 0.0 45.2 84.0#

132 0.0 68.0 126.4#

130 0.0 71.3 132.5#





#40

1,2-Dichloropropane

Concen: 3.119 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW005822.D

Acq: 03 Oct 2018 18:30

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 63 Resp: 9079

Ion Ratio Lower Upper

63 100

112 0.6 3.4 5.2#

