

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061019\  
 Data File : VV011352.D  
 Acq On : 10 Jun 2019 16:07  
 Operator : SY/MD  
 Sample : K3228-03RE  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9P02RE

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.116       | 4             | 8           | 13           | rVB      | 16849          | 14881         | 2.68%           | 0.306%        |
| 2         | 1.203       | 29            | 35          | 46           | rBV      | 113025         | 140469        | 25.30%          | 2.885%        |
| 3         | 1.251       | 46            | 50          | 60           | rVB      | 32736          | 29878         | 5.38%           | 0.614%        |
| 4         | 1.303       | 61            | 66          | 77           | rVB      | 61218          | 58478         | 10.53%          | 1.201%        |
| 5         | 1.422       | 99            | 103         | 108          | rBV      | 10348          | 9422          | 1.70%           | 0.194%        |
| 6         | 1.554       | 140           | 144         | 153          | rVB      | 65052          | 69898         | 12.59%          | 1.436%        |
| 7         | 2.119       | 312           | 320         | 332          | rVB      | 35383          | 52486         | 9.45%           | 1.078%        |
| 8         | 2.193       | 335           | 343         | 352          | rVV      | 26885          | 38725         | 6.97%           | 0.795%        |
| 9         | 2.521       | 435           | 445         | 461          | rVB2     | 15946          | 31252         | 5.63%           | 0.642%        |
| 10        | 2.647       | 477           | 484         | 490          | rBV      | 9987           | 16444         | 2.96%           | 0.338%        |
| 11        | 2.688       | 493           | 497         | 509          | rVB2     | 17165          | 28289         | 5.09%           | 0.581%        |
| 12        | 3.942       | 875           | 887         | 915          | rBV      | 87219          | 220596        | 39.73%          | 4.531%        |
| 13        | 4.399       | 1010          | 1029        | 1053         | rBV4     | 105028         | 308878        | 55.63%          | 6.345%        |
| 14        | 5.090       | 1224          | 1244        | 1271         | rBV2     | 228228         | 547413        | 98.59%          | 11.245%       |
| 15        | 5.659       | 1407          | 1421        | 1441         | rBV      | 200048         | 396063        | 71.33%          | 8.136%        |
| 16        | 6.116       | 1543          | 1563        | 1586         | rBV      | 135362         | 279908        | 50.41%          | 5.750%        |
| 17        | 6.553       | 1683          | 1699        | 1713         | rBV      | 54713          | 102532        | 18.47%          | 2.106%        |
| 18        | 7.026       | 1838          | 1846        | 1856         | rBV4     | 9218           | 15749         | 2.84%           | 0.324%        |
| 19        | 7.360       | 1935          | 1950        | 1961         | rBV4     | 9016           | 19055         | 3.43%           | 0.391%        |
| 20        | 7.663       | 2035          | 2044        | 2053         | rBV6     | 6949           | 12880         | 2.32%           | 0.265%        |
| 21        | 8.132       | 2179          | 2190        | 2211         | rBV      | 326551         | 555242        | 100.00%         | 11.405%       |
| 22        | 8.290       | 2227          | 2239        | 2250         | rVB2     | 59513          | 100255        | 18.06%          | 2.059%        |
| 23        | 8.894       | 2414          | 2427        | 2447         | rBV      | 293405         | 482601        | 86.92%          | 9.913%        |
| 24        | 9.775       | 2691          | 2701        | 2711         | rVB      | 20148          | 32619         | 5.87%           | 0.670%        |
| 25        | 10.261      | 2841          | 2852        | 2866         | rVB2     | 97264          | 158807        | 28.60%          | 3.262%        |
| 26        | 10.415      | 2885          | 2900        | 2913         | rBV      | 86794          | 142039        | 25.58%          | 2.918%        |
| 27        | 10.531      | 2925          | 2936        | 2948         | rBV2     | 33437          | 56620         | 10.20%          | 1.163%        |
| 28        | 11.293      | 3157          | 3173        | 3189         | rBV      | 264236         | 419332        | 75.52%          | 8.614%        |
| 29        | 11.592      | 3254          | 3266        | 3278         | rBV      | 72284          | 114939        | 20.70%          | 2.361%        |
| 30        | 11.669      | 3278          | 3290        | 3297         | rBV      | 242309         | 402424        | 72.48%          | 8.266%        |
| 31        | 16.231      | 4702          | 4709        | 4715         | rBV      | 6251           | 10086         | 1.82%           | 0.207%        |

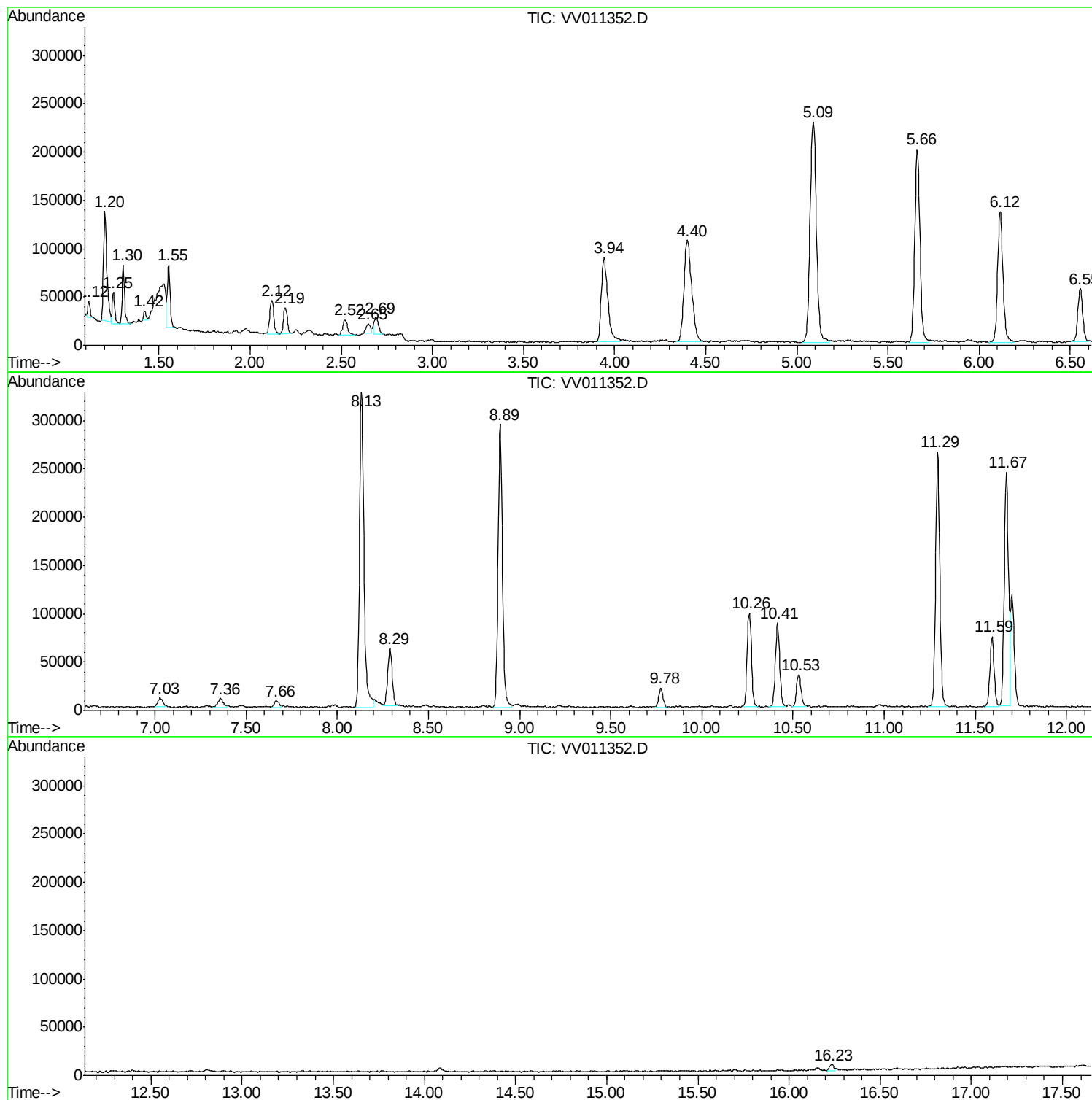
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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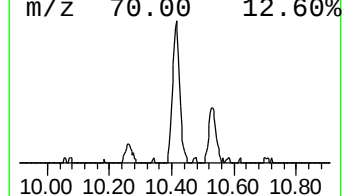
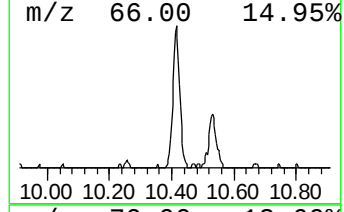
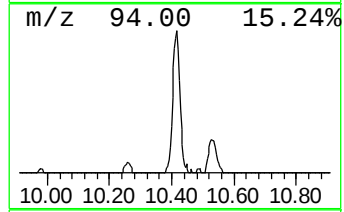
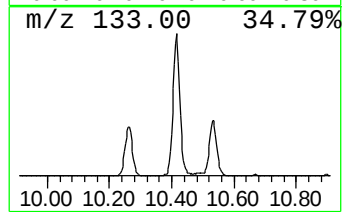
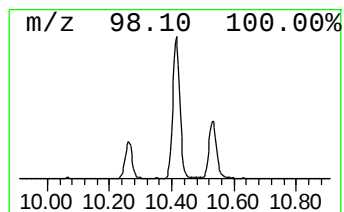
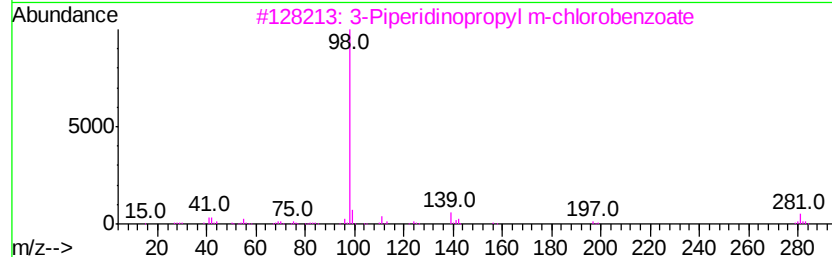
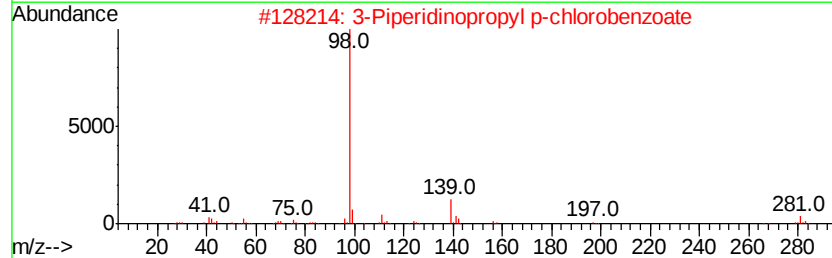
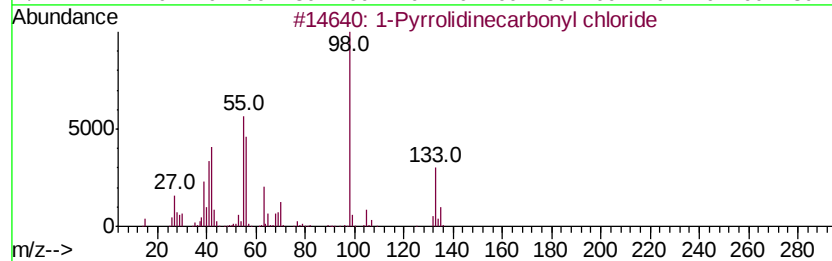
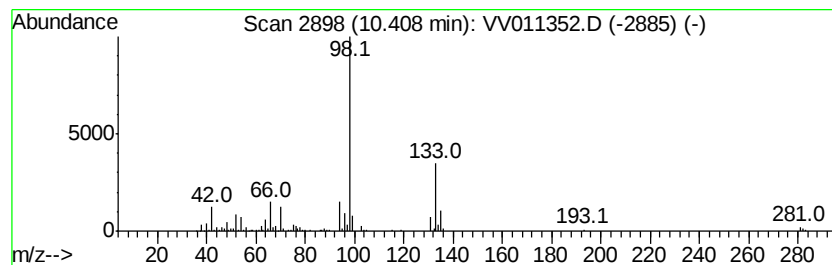
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Peak Number 1 1-Pyrrolidinecarbonyl chloride Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|--------|------------------------|--------------|------|
| 10.41     | 1.69 ug/L                           | 142039 | 1,4-Dichlorobenzene-d4 | 11.29        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#         | Qual |
| 1         | 1-Pyrrolidinecarbonyl chloride      | 133    | C5H8ClNO               | 001192-63-8  | 53   |
| 2         | 3-Piperidinopropyl p-chlorobenzoate | 281    | C15H20ClNO2            | 1000240-42-7 | 43   |
| 3         | 3-Piperidinopropyl m-chlorobenzoate | 281    | C15H20ClNO2            | 1000240-41-2 | 43   |
| 4         | Benzen-d5-amine                     | 98     | C6H2D5N                | 004165-61-1  | 38   |
| 5         | Encainide                           | 352    | C22H28N2O2             | 037612-13-8  | 37   |



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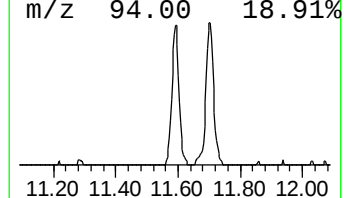
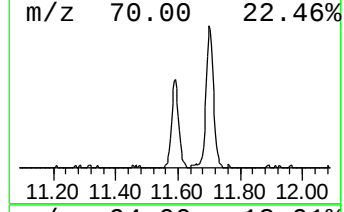
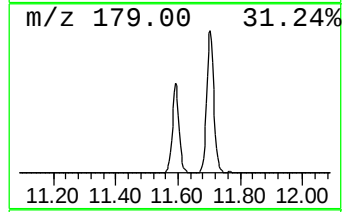
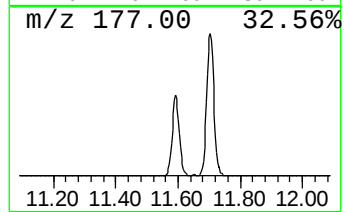
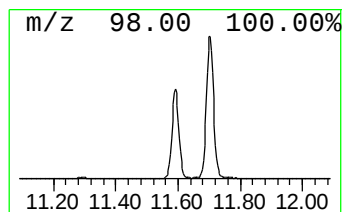
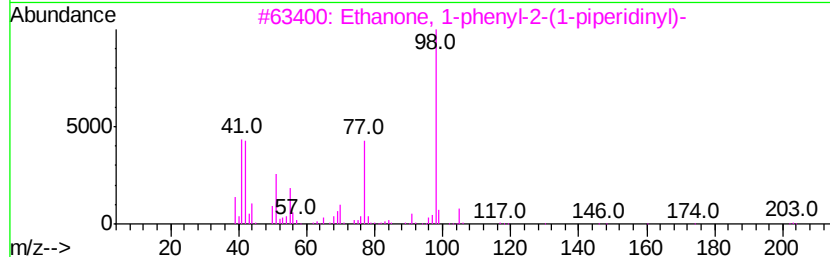
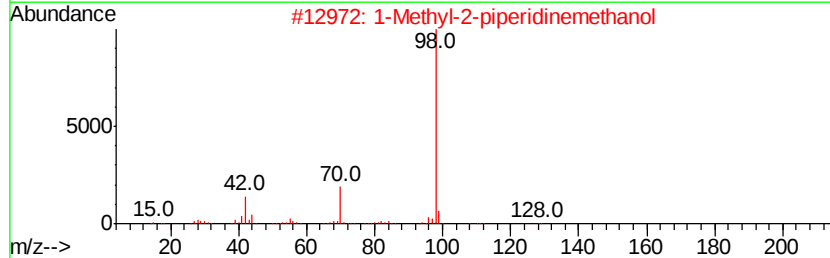
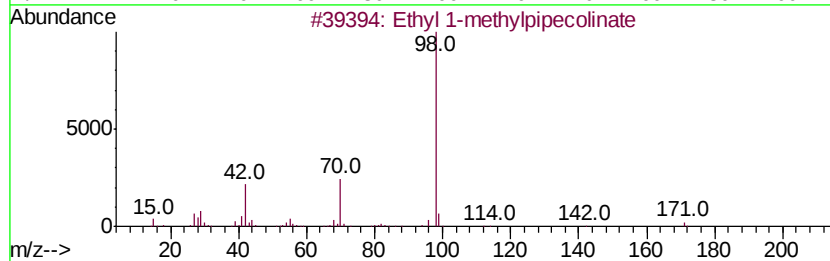
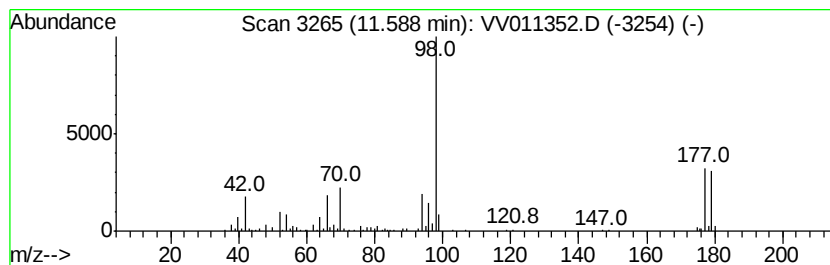
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.59 | 1.37 ug/L | 114939 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Ethyl 1-methylpipercolinate         | 171 | C9H17NO2 | 030727-18-5  | 43   |
| 2    |    |   | 1-Methyl-2-piperidinemethanol       | 129 | C7H15NO  | 020845-34-5  | 37   |
| 3    |    |   | Ethanone, 1-phenyl-2-(1-piperidi... | 203 | C13H17NO | 000779-52-2  | 25   |
| 4    |    |   | 2-Piperidinecarboxylic acid, 2-m... | 143 | C7H13NO2 | 072518-41-3  | 25   |
| 5    |    |   | 2-Pyrrolidone-5-carboxylic acid,... | 157 | C7H11NO3 | 1000333-16-8 | 25   |



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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1-Pyrrolidinecarb... | 10.41 | 1.7     | ug/L  | 142039   | 3                     | 11.29 | 419332 | 5.0  |
| unknown-01           | 11.59 | 1.4     | ug/L  | 114939   | 3                     | 11.29 | 419332 | 5.0  |