

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\  
 Data File : VD063462.D  
 Acq On : 9 Aug 2019 3:52  
 Operator : JC/SY  
 Sample : K4237-01  
 Misc : 6.67g/5ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-04(14-15)

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_D\METHOD\82D072919S.M  
 Title : SW846 8260

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         | 1.711       | 27            | 29          | 30           | rBV      | 2495           | 3308          | 1.34%           | 0.173%        |
| 2         | 1.751       | 30            | 33          | 34           | rBV      | 7159           | 10046         | 4.07%           | 0.524%        |
| 3         | 1.829       | 39            | 41          | 45           | rVV3     | 6909           | 15349         | 6.22%           | 0.801%        |
| 4         | 1.889       | 45            | 47          | 50           | rVV4     | 6711           | 15637         | 6.33%           | 0.816%        |
| 5         | 1.957       | 52            | 54          | 55           | rVV2     | 6625           | 8269          | 3.35%           | 0.432%        |
| 6         | 2.026       | 59            | 61          | 63           | rVV2     | 6650           | 12857         | 5.21%           | 0.671%        |
| 7         | 2.095       | 63            | 68          | 71           | rVV6     | 10054          | 34359         | 13.92%          | 1.793%        |
| 8         | 2.144       | 71            | 73          | 76           | rVV3     | 7766           | 18577         | 7.52%           | 0.970%        |
| 9         | 2.233       | 80            | 82          | 85           | rVV2     | 7400           | 15328         | 6.21%           | 0.800%        |
| 10        | 2.282       | 85            | 87          | 90           | rVV3     | 4045           | 9589          | 3.88%           | 0.501%        |
| 11        | 2.332       | 90            | 92          | 93           | rVV2     | 5415           | 7846          | 3.18%           | 0.410%        |
| 12        | 2.361       | 93            | 95          | 97           | rVV2     | 6225           | 8673          | 3.51%           | 0.453%        |
| 13        | 2.400       | 97            | 99          | 100          | rVV      | 5550           | 6455          | 2.61%           | 0.337%        |
| 14        | 2.430       | 100           | 102         | 106          | rVV3     | 6663           | 12403         | 5.02%           | 0.647%        |
| 15        | 2.499       | 106           | 109         | 112          | rVV3     | 5311           | 10794         | 4.37%           | 0.563%        |
| 16        | 2.578       | 114           | 117         | 118          | rVB2     | 5872           | 7837          | 3.17%           | 0.409%        |
| 17        | 2.607       | 118           | 120         | 121          | rBV2     | 4332           | 3956          | 1.60%           | 0.206%        |
| 18        | 2.745       | 132           | 134         | 136          | rVB2     | 7515           | 10277         | 4.16%           | 0.536%        |
| 19        | 2.824       | 140           | 142         | 144          | rBV2     | 6502           | 6569          | 2.66%           | 0.343%        |
| 20        | 2.893       | 146           | 149         | 151          | rBV2     | 3936           | 6980          | 2.83%           | 0.364%        |
| 21        | 3.080       | 167           | 168         | 169          | rBV      | 7726           | 6145          | 2.49%           | 0.321%        |
| 22        | 3.109       | 169           | 171         | 173          | rVB2     | 6235           | 8277          | 3.35%           | 0.432%        |
| 23        | 3.227       | 179           | 183         | 186          | rVB3     | 7598           | 16752         | 6.78%           | 0.874%        |
| 24        | 3.267       | 186           | 187         | 190          | rBV      | 3686           | 5998          | 2.43%           | 0.313%        |
| 25        | 3.444       | 202           | 205         | 206          | rBV      | 4139           | 6946          | 2.81%           | 0.363%        |
| 26        | 3.720       | 230           | 233         | 235          | rBV      | 1904           | 2862          | 1.16%           | 0.149%        |
| 27        | 3.828       | 240           | 244         | 250          | rBV2     | 5025           | 14932         | 6.05%           | 0.779%        |
| 28        | 3.956       | 255           | 257         | 260          | rBV2     | 1530           | 2939          | 1.19%           | 0.153%        |
| 29        | 3.995       | 260           | 261         | 263          | rBV      | 2841           | 3653          | 1.48%           | 0.191%        |
| 30        | 4.428       | 303           | 305         | 306          | rVB      | 2652           | 2894          | 1.17%           | 0.151%        |
| 31        | 4.635       | 324           | 326         | 330          | rVB      | 1436           | 3430          | 1.39%           | 0.179%        |
| 32        | 5.019       | 361           | 365         | 368          | rVB      | 1464           | 3661          | 1.48%           | 0.191%        |
| 33        | 5.482       | 408           | 412         | 414          | rBV      | 1864           | 3381          | 1.37%           | 0.176%        |
| 34        | 5.551       | 417           | 419         | 420          | rBV      | 3043           | 2956          | 1.20%           | 0.154%        |

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Integrator: RTE  
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 Sampling : 1  
 Start Thrs: 0.2  
 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\_D\METHOD\82D072919S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 5.669  | 429  | 431  | 433  | rVB  | 2297   | 3625   | 1.47%   | 0.189%  |
| 36 | 5.718  | 433  | 436  | 437  | rBV  | 1951   | 3066   | 1.24%   | 0.160%  |
| 37 | 6.171  | 475  | 482  | 492  | rBV  | 39306  | 140818 | 57.03%  | 7.350%  |
| 38 | 6.289  | 492  | 494  | 496  | rVB  | 2619   | 3001   | 1.22%   | 0.157%  |
| 39 | 6.476  | 510  | 513  | 516  | rVB  | 1511   | 3396   | 1.38%   | 0.177%  |
| 40 | 6.712  | 536  | 537  | 540  | rBV  | 2527   | 3423   | 1.39%   | 0.179%  |
| 41 | 6.939  | 551  | 560  | 566  | rBV3 | 44361  | 134117 | 54.32%  | 7.001%  |
| 42 | 7.047  | 566  | 571  | 579  | rVB2 | 48758  | 146301 | 59.25%  | 7.637%  |
| 43 | 7.332  | 594  | 600  | 604  | rVB  | 2311   | 6186   | 2.51%   | 0.323%  |
| 44 | 7.460  | 607  | 613  | 620  | rBV  | 47029  | 117656 | 47.65%  | 6.141%  |
| 45 | 7.874  | 654  | 655  | 658  | rBV  | 1566   | 2857   | 1.16%   | 0.149%  |
| 46 | 7.962  | 662  | 664  | 667  | rBV  | 1892   | 3574   | 1.45%   | 0.187%  |
| 47 | 8.081  | 672  | 676  | 678  | rBV  | 2090   | 3688   | 1.49%   | 0.193%  |
| 48 | 8.130  | 680  | 681  | 684  | rBV  | 2046   | 3460   | 1.40%   | 0.181%  |
| 49 | 8.228  | 686  | 691  | 699  | rBV  | 82755  | 191205 | 77.44%  | 9.980%  |
| 50 | 8.553  | 721  | 724  | 726  | rVB  | 1817   | 3278   | 1.33%   | 0.171%  |
| 51 | 8.819  | 748  | 751  | 753  | rVB  | 1910   | 3135   | 1.27%   | 0.164%  |
| 52 | 8.976  | 764  | 767  | 770  | rVB  | 1705   | 3692   | 1.50%   | 0.193%  |
| 53 | 9.055  | 773  | 775  | 780  | rBV  | 1517   | 4566   | 1.85%   | 0.238%  |
| 54 | 10.079 | 878  | 879  | 884  | rVB  | 2195   | 3923   | 1.59%   | 0.205%  |
| 55 | 10.414 | 904  | 913  | 921  | rBV  | 67876  | 143055 | 57.94%  | 7.467%  |
| 56 | 10.798 | 946  | 952  | 954  | rBB  | 1668   | 4106   | 1.66%   | 0.214%  |
| 57 | 10.886 | 960  | 961  | 964  | rVB  | 2389   | 2891   | 1.17%   | 0.151%  |
| 58 | 11.014 | 969  | 974  | 975  | rBV  | 2130   | 3756   | 1.52%   | 0.196%  |
| 59 | 11.634 | 1033 | 1037 | 1040 | rBV  | 1722   | 3343   | 1.35%   | 0.174%  |
| 60 | 12.018 | 1073 | 1076 | 1078 | rBV  | 2076   | 4176   | 1.69%   | 0.218%  |
| 61 | 12.373 | 1108 | 1112 | 1116 | rBV  | 129514 | 205772 | 83.34%  | 10.741% |
| 62 | 13.062 | 1180 | 1182 | 1186 | rVB  | 2114   | 4234   | 1.71%   | 0.221%  |
| 63 | 13.141 | 1186 | 1190 | 1191 | rBV  | 2572   | 3986   | 1.61%   | 0.208%  |
| 64 | 13.328 | 1206 | 1209 | 1213 | rVB  | 1277   | 3145   | 1.27%   | 0.164%  |
| 65 | 13.564 | 1230 | 1233 | 1239 | rVB  | 108322 | 166380 | 67.39%  | 8.685%  |
| 66 | 13.889 | 1265 | 1266 | 1270 | rVB  | 1704   | 2856   | 1.16%   | 0.149%  |
| 67 | 13.948 | 1270 | 1272 | 1276 | rBV  | 1725   | 3399   | 1.38%   | 0.177%  |
| 68 | 14.519 | 1327 | 1330 | 1337 | rVB  | 190454 | 246909 | 100.00% | 12.888% |
| 69 | 14.686 | 1346 | 1347 | 1351 | rVB  | 2432   | 3785   | 1.53%   | 0.198%  |
| 70 | 15.877 | 1466 | 1468 | 1470 | rBV  | 2643   | 3227   | 1.31%   | 0.168%  |
| 71 | 16.133 | 1490 | 1494 | 1495 | rVB  | 1734   | 3600   | 1.46%   | 0.188%  |

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Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-04(14-15)

## Integration Parameters: RTEINT.P

Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Title : SW846 8260

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 72 | 16.182 | 1495 | 1499 | 1500 | rBV  | 1700 | 3435 | 1.39% | 0.179% |
| 73 | 16.458 | 1525 | 1527 | 1529 | rVB  | 2782 | 2850 | 1.15% | 0.149% |
| 74 | 17.137 | 1594 | 1596 | 1601 | rBV2 | 1066 | 2791 | 1.13% | 0.146% |
| 75 | 17.285 | 1608 | 1611 | 1612 | rBV  | 2480 | 3197 | 1.29% | 0.167% |

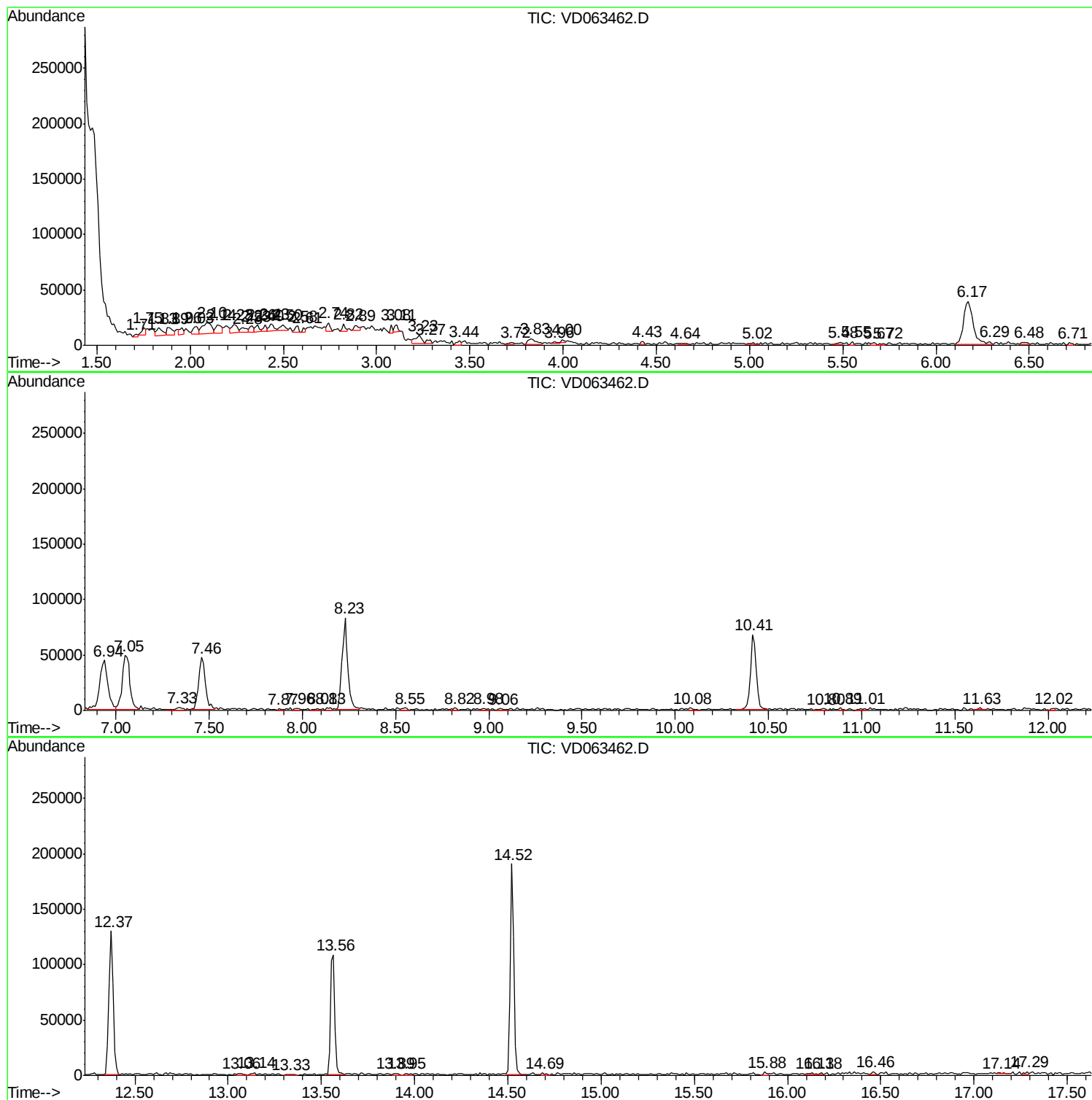
Sum of corrected areas: 1915795

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Instrument :  
MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080819\  
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Quant Title : SW846 8260

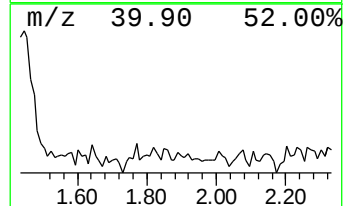
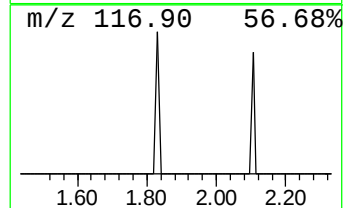
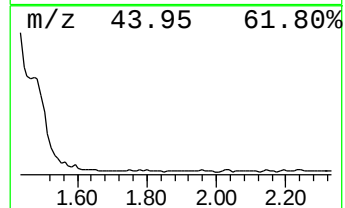
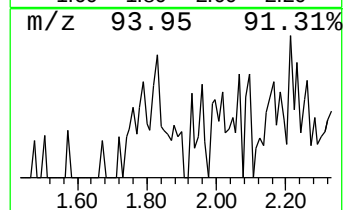
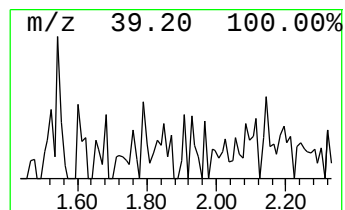
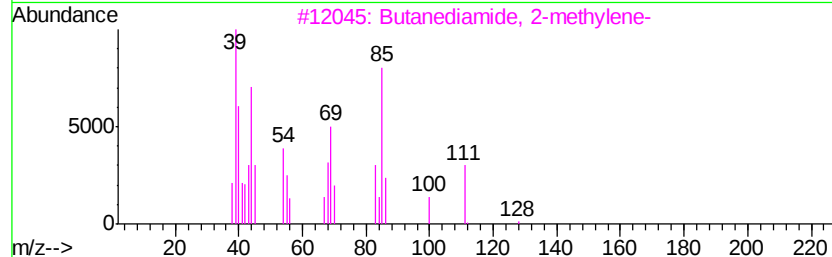
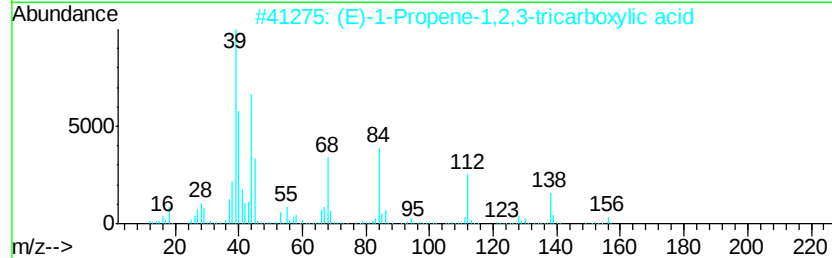
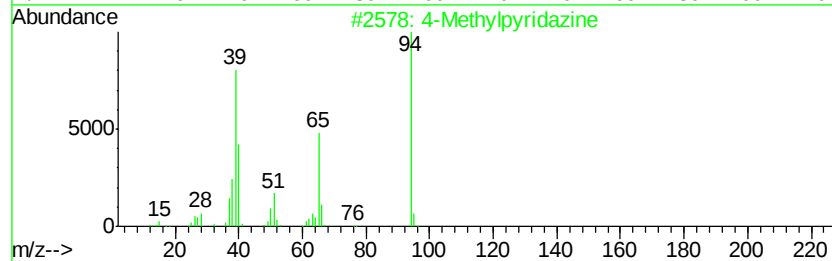
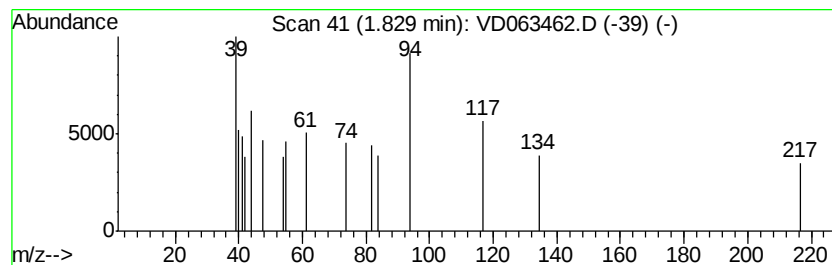
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown1.83 Concentration Rank 6

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 1.83 | 5.25 ug/l | 15349 | Pentafluorobenzene | 7.06 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 4-Methylpyridazine                  | 94  | C5H6N2   | 001120-88-3 | 37   |
| 2    |    | (E)-1-Propene-1,2,3-tricarboxyli... | 174 | C6H6O6   | 004023-65-8 | 23   |
| 3    |    | Butanediamide, 2-methylene-         | 128 | C5H8N2O2 | 003786-29-6 | 17   |
| 4    |    | Trichloroacetyl chloride            | 180 | C2Cl4O   | 000076-02-8 | 9    |
| 5    |    | 2-Propen-1-amine, N-nitro-          | 102 | C3H6N2O2 | 074386-81-5 | 9    |



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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 |
| unknown1.83      | 1.83 | 5.3     | ug/l  | 15349    | 1                     | 7.06 | 146301 | 50.0 |