

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\  
 Data File : VF061926.D  
 Acq On : 13 Mar 2019 14:25  
 Operator : VA/AP  
 Sample : VF0313SBL01  
 Misc : 5.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 VF0313SBL01

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\_F\METHODS\82F030419S.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         | 1.068       | 40            | 44          | 49           | rBV2     | 11272          | 30047         | 2.33%           | 0.372%        |
| 2         | 2.172       | 153           | 156         | 158          | rBV3     | 9112           | 17099         | 1.32%           | 0.212%        |
| 3         | 2.369       | 173           | 176         | 180          | rBV3     | 6501           | 13449         | 1.04%           | 0.166%        |
| 4         | 4.085       | 343           | 350         | 364          | rVB      | 176775         | 571387        | 44.25%          | 7.068%        |
| 5         | 4.844       | 418           | 427         | 441          | rBV2     | 335800         | 1196481       | 92.65%          | 14.801%       |
| 6         | 5.574       | 495           | 501         | 514          | rBV      | 383716         | 1052392       | 81.49%          | 13.019%       |
| 7         | 6.245       | 563           | 569         | 577          | rBV3     | 21177          | 70631         | 5.47%           | 0.874%        |
| 8         | 6.422       | 579           | 587         | 599          | rVV2     | 37970          | 157019        | 12.16%          | 1.942%        |
| 9         | 7.122       | 650           | 658         | 666          | rBV2     | 23749          | 68680         | 5.32%           | 0.850%        |
| 10        | 7.536       | 694           | 700         | 712          | rVB      | 528754         | 1291362       | 100.00%         | 15.975%       |
| 11        | 7.980       | 740           | 745         | 750          | rVB7     | 4988           | 15245         | 1.18%           | 0.189%        |
| 12        | 9.479       | 893           | 897         | 901          | rBV3     | 8174           | 18100         | 1.40%           | 0.224%        |
| 13        | 9.755       | 919           | 925         | 934          | rBV      | 504024         | 1086536       | 84.14%          | 13.441%       |
| 14        | 10.120      | 956           | 962         | 967          | rBV4     | 5067           | 14340         | 1.11%           | 0.177%        |
| 15        | 11.392      | 1084          | 1091        | 1101         | rBV      | 512276         | 954967        | 73.95%          | 11.813%       |
| 16        | 11.550      | 1104          | 1107        | 1115         | rVV2     | 44096          | 93774         | 7.26%           | 1.160%        |
| 17        | 12.191      | 1167          | 1172        | 1176         | rVB3     | 6357           | 13356         | 1.03%           | 0.165%        |
| 18        | 12.289      | 1178          | 1182        | 1185         | rBV3     | 8755           | 19869         | 1.54%           | 0.246%        |
| 19        | 12.447      | 1193          | 1198        | 1201         | rBV6     | 8185           | 19131         | 1.48%           | 0.237%        |
| 20        | 12.536      | 1203          | 1207        | 1215         | rVB      | 818153         | 1257903       | 97.41%          | 15.561%       |
| 21        | 13.275      | 1278          | 1282        | 1287         | rVB2     | 21933          | 34797         | 2.69%           | 0.430%        |
| 22        | 13.867      | 1338          | 1342        | 1345         | rBV3     | 6927           | 13430         | 1.04%           | 0.166%        |
| 23        | 14.182      | 1369          | 1374        | 1378         | rBV4     | 9313           | 18340         | 1.42%           | 0.227%        |
| 24        | 14.449      | 1397          | 1401        | 1405         | rBV2     | 23827          | 36970         | 2.86%           | 0.457%        |
| 25        | 14.587      | 1412          | 1415        | 1420         | rVB3     | 11121          | 18406         | 1.43%           | 0.228%        |

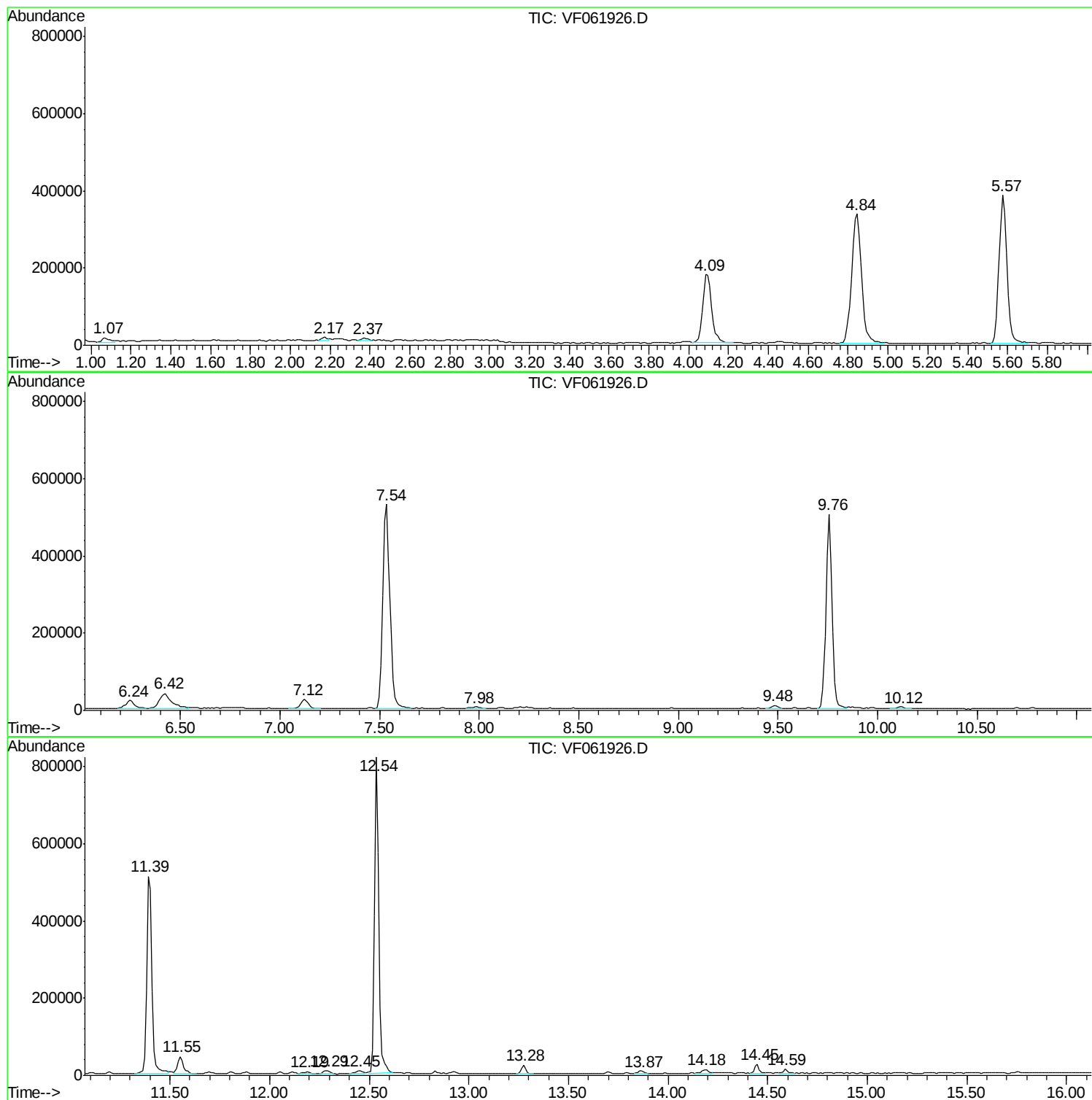
Sum of corrected areas: 8083711

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
Quant Title : SW846 8260

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



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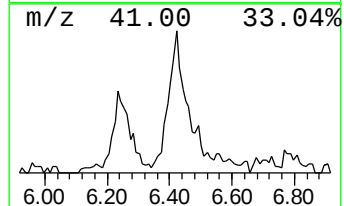
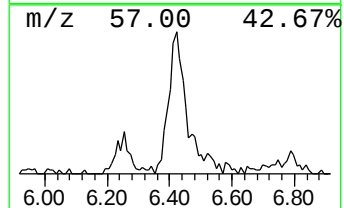
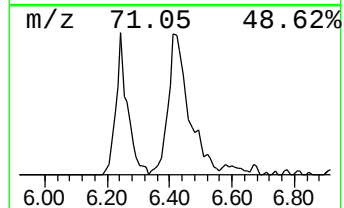
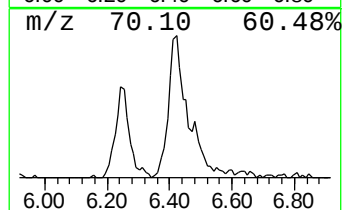
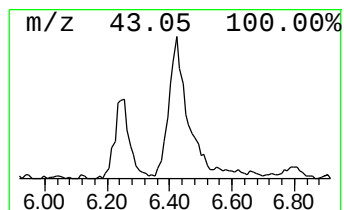
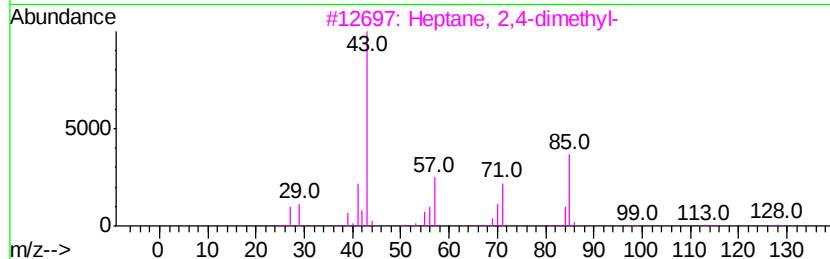
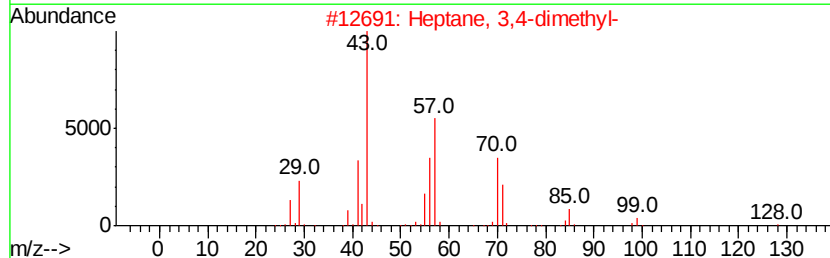
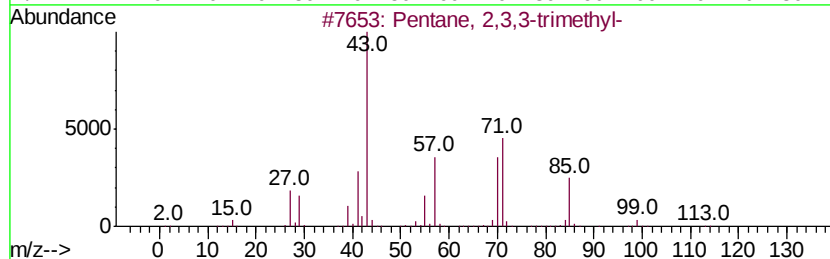
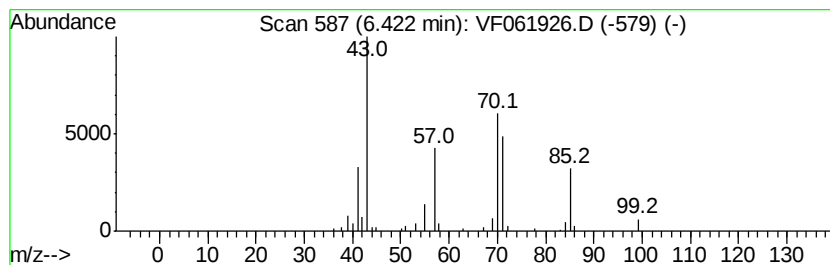
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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Pentane, 2,3,3-trimethyl- Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 6.42 | 7.46 ug/l | 157019 | 1,4-Difluorobenzene | 5.57 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,3-trimethyl-  | 114 | C8H18   | 000560-21-4 | 72   |
| 2    |    | Heptane, 3,4-dimethyl-     | 128 | C9H20   | 000922-28-1 | 56   |
| 3    |    | Heptane, 2,4-dimethyl-     | 128 | C9H20   | 002213-23-2 | 53   |
| 4    |    | Pentane, 3-ethyl-2-methyl- | 114 | C8H18   | 000609-26-7 | 50   |
| 5    |    | Hexane, 3,3-dimethyl-      | 114 | C8H18   | 000563-16-6 | 45   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Pentane, 2,3,3-tr... | 6.42 | 7.5     | ug/l  | 157019   | 2                     | 5.57 | 1052390 | 50.0 |