

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\  
 Data File : VF060178.D  
 Acq On : 29 Aug 2018 6:27  
 Operator : VA/AP  
 Sample : J4648-08  
 Misc : 8.47g/5mL/MSVOA F/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SB-4-@-8-FT

## 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\82F082918S.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.018    | 47         | 49       | 53        | rVB2  | 1964        | 3426       | 1.80%        | 0.348%     |
| 2      | 1.087    | 53         | 56       | 59        | rVV3  | 7506        | 11766      | 6.19%        | 1.194%     |
| 3      | 1.195    | 62         | 67       | 68        | rVV3  | 1966        | 5303       | 2.79%        | 0.538%     |
| 4      | 1.215    | 68         | 69       | 73        | rVV2  | 1985        | 3682       | 1.94%        | 0.374%     |
| 5      | 1.343    | 78         | 82       | 87        | rVB3  | 5735        | 11797      | 6.21%        | 1.198%     |
| 6      | 1.481    | 93         | 96       | 102       | rVB3  | 3278        | 6704       | 3.53%        | 0.681%     |
| 7      | 1.570    | 102        | 105      | 109       | rVB2  | 899         | 2012       | 1.06%        | 0.204%     |
| 8      | 1.678    | 112        | 116      | 119       | rBV   | 1295        | 2003       | 1.05%        | 0.203%     |
| 9      | 1.836    | 127        | 132      | 134       | rBV3  | 1480        | 2660       | 1.40%        | 0.270%     |
| 10     | 2.092    | 152        | 158      | 166       | rBV   | 15633       | 37825      | 19.91%       | 3.840%     |
| 11     | 2.280    | 173        | 177      | 179       | rVV2  | 5391        | 11760      | 6.19%        | 1.194%     |
| 12     | 2.309    | 179        | 180      | 187       | rVV2  | 3648        | 8030       | 4.23%        | 0.815%     |
| 13     | 2.418    | 187        | 191      | 194       | rVV2  | 879         | 2559       | 1.35%        | 0.260%     |
| 14     | 2.487    | 194        | 198      | 204       | rVV2  | 3108        | 8730       | 4.59%        | 0.886%     |
| 15     | 3.167    | 264        | 267      | 269       | rBV   | 2295        | 3424       | 1.80%        | 0.348%     |
| 16     | 4.083    | 356        | 360      | 371       | rVV3  | 2428        | 10784      | 5.68%        | 1.095%     |
| 17     | 4.281    | 373        | 380      | 387       | rVV2  | 15907       | 48051      | 25.29%       | 4.878%     |
| 18     | 5.030    | 446        | 456      | 464       | rBV2  | 58080       | 190000     | 100.00%      | 19.287%    |
| 19     | 5.759    | 523        | 530      | 540       | rVV   | 46267       | 130268     | 68.56%       | 13.224%    |
| 20     | 5.868    | 540        | 541      | 547       | rVB2  | 881         | 2159       | 1.14%        | 0.219%     |
| 21     | 7.701    | 721        | 727      | 733       | rBV   | 59094       | 140628     | 74.01%       | 14.276%    |
| 22     | 8.352    | 788        | 793      | 801       | rVB4  | 3246        | 11367      | 5.98%        | 1.154%     |
| 23     | 9.613    | 919        | 921      | 926       | rBV2  | 1172        | 2683       | 1.41%        | 0.272%     |
| 24     | 9.761    | 932        | 936      | 938       | rBV   | 1063        | 2248       | 1.18%        | 0.228%     |
| 25     | 9.909    | 946        | 951      | 958       | rBV   | 46148       | 101685     | 53.52%       | 10.322%    |
| 26     | 10.274   | 984        | 988      | 991       | rVB2  | 1080        | 2515       | 1.32%        | 0.255%     |
| 27     | 11.506   | 1109       | 1113     | 1119      | rVV   | 36656       | 60840      | 32.02%       | 6.176%     |
| 28     | 11.585   | 1119       | 1121     | 1124      | rVV   | 1273        | 2547       | 1.34%        | 0.259%     |
| 29     | 11.634   | 1124       | 1126     | 1129      | rVV2  | 1709        | 2858       | 1.50%        | 0.290%     |
| 30     | 11.674   | 1129       | 1130     | 1132      | rVV2  | 1572        | 1988       | 1.05%        | 0.202%     |
| 31     | 11.812   | 1141       | 1144     | 1148      | rVV3  | 1651        | 2711       | 1.43%        | 0.275%     |
| 32     | 11.910   | 1151       | 1154     | 1158      | rBV3  | 1216        | 3035       | 1.60%        | 0.308%     |
| 33     | 11.989   | 1160       | 1162     | 1164      | rVB2  | 1673        | 2080       | 1.09%        | 0.211%     |
| 34     | 12.383   | 1200       | 1202     | 1207      | rVB4  | 1787        | 3295       | 1.73%        | 0.334%     |

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 Peak Location: TOP

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 Peak separation: 5

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 Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 35 | 12.541 | 1217 | 1218 | 1222 | rVB3 | 1931  | 3135  | 1.65%  | 0.318% |
| 36 | 12.630 | 1224 | 1227 | 1234 | rVV  | 41236 | 68135 | 35.86% | 6.917% |
| 37 | 12.797 | 1241 | 1244 | 1247 | rBV  | 922   | 1977  | 1.04%  | 0.201% |
| 38 | 12.916 | 1254 | 1256 | 1259 | rBV2 | 1858  | 2845  | 1.50%  | 0.289% |
| 39 | 13.014 | 1264 | 1266 | 1267 | rVV  | 7149  | 5236  | 2.76%  | 0.532% |
| 40 | 13.034 | 1267 | 1268 | 1269 | rVV  | 19289 | 11739 | 6.18%  | 1.192% |
| 41 | 13.615 | 1324 | 1327 | 1333 | rBV  | 876   | 2497  | 1.31%  | 0.253% |
| 42 | 13.744 | 1338 | 1340 | 1341 | rVV2 | 2195  | 3005  | 1.58%  | 0.305% |
| 43 | 13.783 | 1343 | 1344 | 1348 | rVV3 | 2990  | 4441  | 2.34%  | 0.451% |
| 44 | 13.901 | 1354 | 1356 | 1358 | rVB2 | 1502  | 1915  | 1.01%  | 0.194% |
| 45 | 13.941 | 1358 | 1360 | 1363 | rBV2 | 1919  | 2878  | 1.51%  | 0.292% |
| 46 | 14.256 | 1390 | 1392 | 1395 | rVB2 | 1933  | 3967  | 2.09%  | 0.403% |
| 47 | 14.315 | 1395 | 1398 | 1399 | rBV2 | 1821  | 3296  | 1.73%  | 0.335% |
| 48 | 14.759 | 1440 | 1443 | 1445 | rBV4 | 1105  | 2083  | 1.10%  | 0.211% |
| 49 | 14.788 | 1445 | 1446 | 1451 | rVV2 | 1605  | 3195  | 1.68%  | 0.324% |
| 50 | 15.084 | 1471 | 1476 | 1477 | rVB2 | 1716  | 3202  | 1.69%  | 0.325% |
| 51 | 15.124 | 1477 | 1480 | 1481 | rBV  | 1455  | 2732  | 1.44%  | 0.277% |
| 52 | 15.183 | 1481 | 1486 | 1488 | rBV4 | 2587  | 5658  | 2.98%  | 0.574% |
| 53 | 15.567 | 1523 | 1525 | 1526 | rVB2 | 2420  | 2185  | 1.15%  | 0.222% |
| 54 | 15.676 | 1532 | 1536 | 1538 | rBV4 | 1671  | 3174  | 1.67%  | 0.322% |
| 55 | 15.853 | 1552 | 1554 | 1555 | rBV2 | 1682  | 1903  | 1.00%  | 0.193% |
| 56 | 16.030 | 1570 | 1572 | 1574 | rBV3 | 1732  | 2475  | 1.30%  | 0.251% |

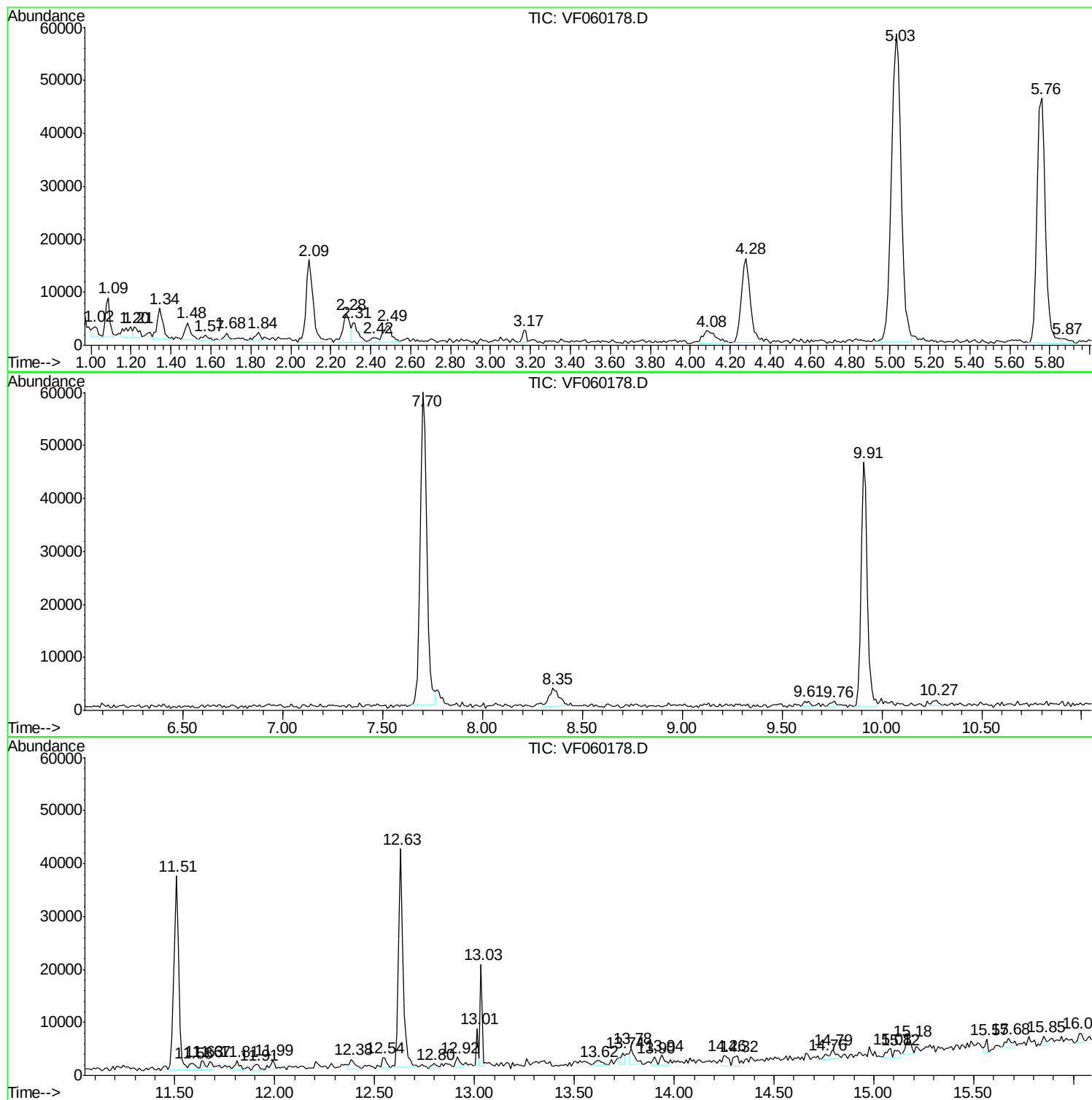
Sum of corrected areas: 985096

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F082918S.M  
Quant Title : SW846 8260

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



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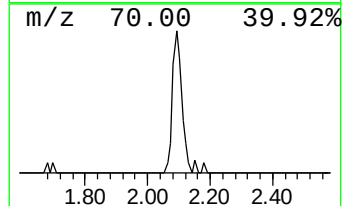
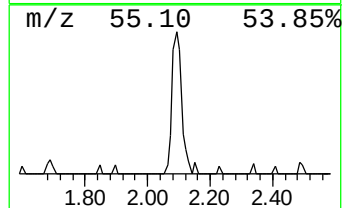
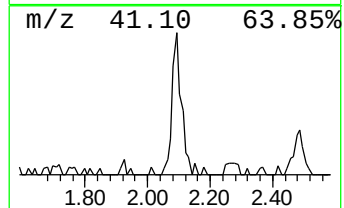
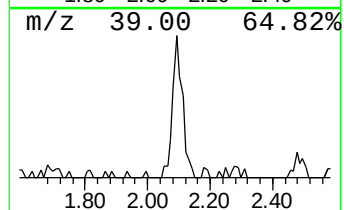
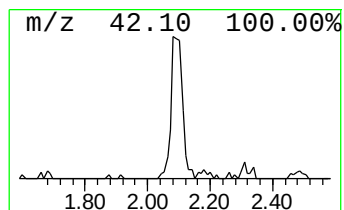
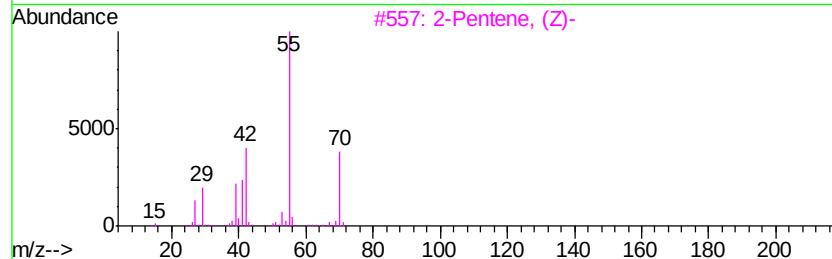
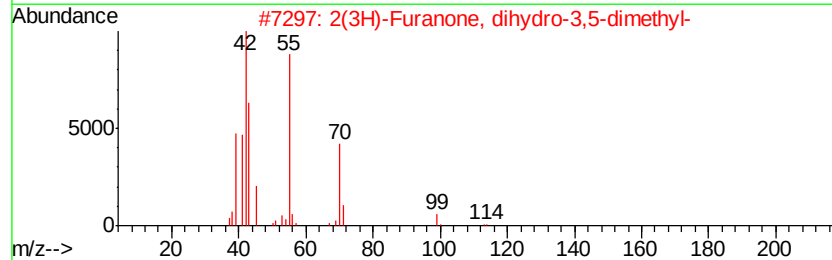
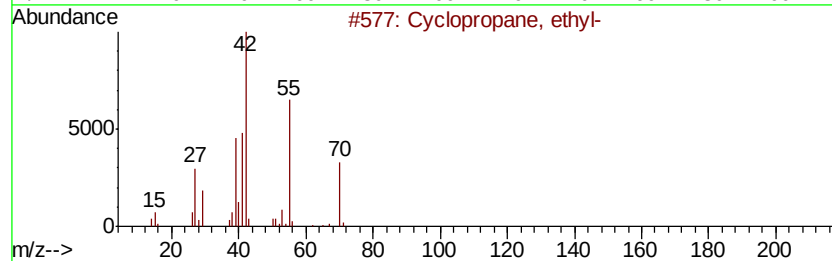
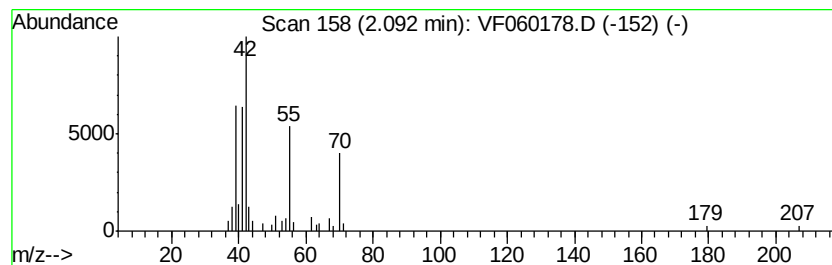
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Cyclopropane, ethyl- Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 2.09 | 9.95 ug/l | 37825 | Pentafluorobenzene | 5.04 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopropane, ethyl-                | 70  | C5H10   | 001191-96-4 | 80   |
| 2    |    | 2(3H)-Furanone, dihydro-3,5-dime... | 114 | C6H10O2 | 005145-01-7 | 64   |
| 3    |    | 2-Pentene, (Z)-                     | 70  | C5H10   | 000627-20-3 | 56   |
| 4    |    | 2-Pentene                           | 70  | C5H10   | 000109-68-2 | 56   |
| 5    |    | Furan, 2,5-dihydro-                 | 70  | C4H6O   | 001708-29-8 | 50   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Cyclopropane, ethyl- | 2.09 | 9.9     | ug/l  | 37825    | 1                     | 5.04 | 190000 | 50.0 |