

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\  
 Data File : VV018173.D  
 Acq On : 10 Sep 2020 11:55  
 Operator : SY/MD  
 Sample : VV0910WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK65

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % 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\SOMVLM090920WMA.M  
 Title : VOC Analysis

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         | 1.315       | 63            | 70          | 83           | rVB      | 169353         | 170453        | 15.03%          | 1.939%        |
| 2         | 1.579       | 144           | 152         | 166          | rBV      | 140017         | 159178        | 14.03%          | 1.811%        |
| 3         | 2.122       | 310           | 321         | 352          | rVB      | 282267         | 440239        | 38.81%          | 5.008%        |
| 4         | 2.312       | 374           | 380         | 388          | rVB2     | 952            | 1282          | 0.11%           | 0.015%        |
| 5         | 2.450       | 419           | 423         | 428          | rVB      | 258            | 223           | 0.02%           | 0.003%        |
| 6         | 2.524       | 439           | 446         | 456          | rVB3     | 2106           | 3451          | 0.30%           | 0.039%        |
| 7         | 2.720       | 503           | 507         | 513          | rVB      | 193            | 234           | 0.02%           | 0.003%        |
| 8         | 2.778       | 522           | 525         | 527          | rVV2     | 127            | 100           | 0.01%           | 0.001%        |
| 9         | 2.791       | 527           | 529         | 531          | rVB      | 282            | 130           | 0.01%           | 0.001%        |
| 10        | 2.926       | 562           | 571         | 574          | rBV2     | 192            | 271           | 0.02%           | 0.003%        |
| 11        | 3.035       | 601           | 605         | 608          | rBV2     | 136            | 102           | 0.01%           | 0.001%        |
| 12        | 3.119       | 628           | 631         | 636          | rVV2     | 106            | 92            | 0.01%           | 0.001%        |
| 13        | 3.344       | 697           | 701         | 703          | rBV      | 198            | 166           | 0.01%           | 0.002%        |
| 14        | 3.569       | 767           | 771         | 774          | rBV      | 102            | 107           | 0.01%           | 0.001%        |
| 15        | 3.621       | 781           | 787         | 790          | rBV2     | 180            | 206           | 0.02%           | 0.002%        |
| 16        | 3.698       | 809           | 811         | 816          | rVV2     | 115            | 94            | 0.01%           | 0.001%        |
| 17        | 3.852       | 855           | 859         | 867          | rVB2     | 150            | 172           | 0.02%           | 0.002%        |
| 18        | 3.913       | 867           | 878         | 915          | rBV      | 79257          | 240022        | 21.16%          | 2.730%        |
| 19        | 4.380       | 1006          | 1023        | 1050         | rBV      | 174443         | 443298        | 39.08%          | 5.042%        |
| 20        | 4.740       | 1132          | 1135        | 1136         | rBV2     | 155            | 100           | 0.01%           | 0.001%        |
| 21        | 4.791       | 1149          | 1151        | 1158         | rVB2     | 188            | 130           | 0.01%           | 0.001%        |
| 22        | 4.859       | 1169          | 1172        | 1177         | rBV      | 109            | 102           | 0.01%           | 0.001%        |
| 23        | 4.942       | 1192          | 1198        | 1201         | rBB2     | 116            | 110           | 0.01%           | 0.001%        |
| 24        | 4.965       | 1201          | 1205        | 1208         | rVB      | 109            | 92            | 0.01%           | 0.001%        |
| 25        | 4.997       | 1208          | 1215        | 1219         | rBV      | 164            | 200           | 0.02%           | 0.002%        |
| 26        | 5.074       | 1219          | 1239        | 1266         | rBV2     | 448446         | 1134352       | 100.00%         | 12.903%       |
| 27        | 5.347       | 1322          | 1324        | 1327         | rVB3     | 177            | 111           | 0.01%           | 0.001%        |
| 28        | 5.363       | 1327          | 1329        | 1332         | rBV      | 146            | 90            | 0.01%           | 0.001%        |
| 29        | 5.437       | 1345          | 1352        | 1355         | rBV      | 210            | 280           | 0.02%           | 0.003%        |
| 30        | 5.453       | 1355          | 1357        | 1361         | rVB      | 204            | 100           | 0.01%           | 0.001%        |
| 31        | 5.479       | 1361          | 1365        | 1370         | rVB2     | 131            | 126           | 0.01%           | 0.001%        |
| 32        | 5.515       | 1370          | 1376        | 1379         | rBV2     | 128            | 131           | 0.01%           | 0.001%        |
| 33        | 5.643       | 1403          | 1416        | 1443         | rBV      | 354922         | 695181        | 61.28%          | 7.907%        |
| 34        | 5.807       | 1464          | 1467        | 1474         | rVB3     | 421            | 410           | 0.04%           | 0.005%        |

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 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 5.932 | 1494 | 1506 | 1525 | rBV  | 21363  | 43685  | 3.85%  | 0.497%  |
| 36 | 6.093 | 1543 | 1556 | 1586 | rBV  | 252657 | 510286 | 44.98% | 5.804%  |
| 37 | 6.598 | 1708 | 1713 | 1717 | rVB2 | 104    | 109    | 0.01%  | 0.001%  |
| 38 | 6.621 | 1717 | 1720 | 1723 | rVB  | 172    | 102    | 0.01%  | 0.001%  |
| 39 | 6.698 | 1741 | 1744 | 1749 | rVB2 | 158    | 147    | 0.01%  | 0.002%  |
| 40 | 6.752 | 1758 | 1761 | 1764 | rVV2 | 126    | 91     | 0.01%  | 0.001%  |
| 41 | 6.810 | 1774 | 1779 | 1786 | rVB2 | 126    | 143    | 0.01%  | 0.002%  |
| 42 | 6.887 | 1800 | 1803 | 1810 | rBV2 | 115    | 138    | 0.01%  | 0.002%  |
| 43 | 6.939 | 1814 | 1819 | 1822 | rBV2 | 89     | 101    | 0.01%  | 0.001%  |
| 44 | 7.010 | 1827 | 1841 | 1870 | rBV  | 142702 | 255035 | 22.48% | 2.901%  |
| 45 | 7.186 | 1893 | 1896 | 1901 | rVB2 | 221    | 180    | 0.02%  | 0.002%  |
| 46 | 7.212 | 1901 | 1904 | 1906 | rBV2 | 178    | 140    | 0.01%  | 0.002%  |
| 47 | 7.225 | 1906 | 1908 | 1911 | rVB  | 273    | 139    | 0.01%  | 0.002%  |
| 48 | 7.260 | 1916 | 1919 | 1920 | rBV  | 210    | 119    | 0.01%  | 0.001%  |
| 49 | 7.286 | 1924 | 1927 | 1931 | rVB2 | 127    | 107    | 0.01%  | 0.001%  |
| 50 | 7.338 | 1931 | 1943 | 1968 | rBV  | 523605 | 901682 | 79.49% | 10.256% |
| 51 | 7.643 | 2028 | 2038 | 2062 | rBV  | 102262 | 177624 | 15.66% | 2.020%  |
| 52 | 7.772 | 2076 | 2078 | 2081 | rVV2 | 150    | 91     | 0.01%  | 0.001%  |
| 53 | 7.791 | 2082 | 2084 | 2094 | rVB3 | 337    | 371    | 0.03%  | 0.004%  |
| 54 | 7.826 | 2094 | 2095 | 2099 | rVB  | 275    | 91     | 0.01%  | 0.001%  |
| 55 | 7.997 | 2144 | 2148 | 2151 | rVB2 | 117    | 93     | 0.01%  | 0.001%  |
| 56 | 8.029 | 2154 | 2158 | 2165 | rBV2 | 170    | 195    | 0.02%  | 0.002%  |
| 57 | 8.061 | 2165 | 2168 | 2172 | rBV2 | 140    | 121    | 0.01%  | 0.001%  |
| 58 | 8.109 | 2172 | 2183 | 2218 | rBV  | 266137 | 512910 | 45.22% | 5.834%  |
| 59 | 8.444 | 2278 | 2287 | 2290 | rBV4 | 980    | 1315   | 0.12%  | 0.015%  |
| 60 | 8.502 | 2302 | 2305 | 2307 | rBV3 | 197    | 119    | 0.01%  | 0.001%  |
| 61 | 8.604 | 2335 | 2337 | 2342 | rVB  | 131    | 90     | 0.01%  | 0.001%  |
| 62 | 8.646 | 2347 | 2350 | 2354 | rBV  | 144    | 117    | 0.01%  | 0.001%  |
| 63 | 8.874 | 2408 | 2421 | 2451 | rBV  | 545106 | 874351 | 77.08% | 9.945%  |
| 64 | 9.035 | 2470 | 2471 | 2475 | rVB2 | 312    | 142    | 0.01%  | 0.002%  |
| 65 | 9.093 | 2486 | 2489 | 2493 | rBV2 | 214    | 153    | 0.01%  | 0.002%  |
| 66 | 9.241 | 2532 | 2535 | 2537 | rBV  | 133    | 106    | 0.01%  | 0.001%  |
| 67 | 9.276 | 2544 | 2546 | 2551 | rVB  | 151    | 99     | 0.01%  | 0.001%  |
| 68 | 9.473 | 2604 | 2607 | 2610 | rBV2 | 132    | 92     | 0.01%  | 0.001%  |
| 69 | 9.813 | 2709 | 2713 | 2717 | rBV  | 166    | 116    | 0.01%  | 0.001%  |
| 70 | 9.881 | 2730 | 2734 | 2738 | rBV  | 135    | 126    | 0.01%  | 0.001%  |
| 71 | 9.923 | 2738 | 2747 | 2753 | rVV2 | 181    | 355    | 0.03%  | 0.004%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.955  | 2754 | 2757 | 2763 | rVB3 | 222    | 223    | 0.02%  | 0.003% |
| 73  | 10.135 | 2807 | 2813 | 2817 | rBV2 | 166    | 204    | 0.02%  | 0.002% |
| 74  | 10.196 | 2824 | 2832 | 2833 | rBV  | 242    | 237    | 0.02%  | 0.003% |
| 75  | 10.238 | 2833 | 2845 | 2865 | rVV  | 310516 | 487456 | 42.97% | 5.545% |
| 76  | 10.347 | 2877 | 2879 | 2889 | rVB2 | 265    | 285    | 0.03%  | 0.003% |
| 77  | 10.392 | 2889 | 2893 | 2895 | rBV  | 153    | 115    | 0.01%  | 0.001% |
| 78  | 10.566 | 2942 | 2947 | 2951 | rBV2 | 227    | 274    | 0.02%  | 0.003% |
| 79  | 10.662 | 2974 | 2977 | 2982 | rVB2 | 166    | 159    | 0.01%  | 0.002% |
| 80  | 10.945 | 3061 | 3065 | 3066 | rBV2 | 242    | 167    | 0.01%  | 0.002% |
| 81  | 10.997 | 3077 | 3081 | 3085 | rBV2 | 175    | 188    | 0.02%  | 0.002% |
| 82  | 11.135 | 3120 | 3124 | 3127 | rBV  | 306    | 227    | 0.02%  | 0.003% |
| 83  | 11.206 | 3142 | 3146 | 3155 | rVB3 | 417    | 553    | 0.05%  | 0.006% |
| 84  | 11.270 | 3155 | 3166 | 3185 | rBV  | 563397 | 853813 | 75.27% | 9.712% |
| 85  | 11.463 | 3223 | 3226 | 3228 | rBV  | 181    | 122    | 0.01%  | 0.001% |
| 86  | 11.501 | 3235 | 3238 | 3242 | rBV2 | 219    | 203    | 0.02%  | 0.002% |
| 87  | 11.534 | 3244 | 3248 | 3253 | rVB2 | 220    | 195    | 0.02%  | 0.002% |
| 88  | 11.562 | 3255 | 3257 | 3260 | rVV2 | 202    | 100    | 0.01%  | 0.001% |
| 89  | 11.646 | 3271 | 3283 | 3306 | rBV  | 563144 | 871619 | 76.84% | 9.914% |
| 90  | 11.794 | 3324 | 3329 | 3331 | rBV2 | 246    | 235    | 0.02%  | 0.003% |
| 91  | 11.823 | 3335 | 3338 | 3342 | rBV2 | 146    | 115    | 0.01%  | 0.001% |
| 92  | 11.842 | 3342 | 3344 | 3347 | rVV2 | 173    | 97     | 0.01%  | 0.001% |
| 93  | 11.923 | 3366 | 3369 | 3373 | rBV2 | 217    | 223    | 0.02%  | 0.003% |
| 94  | 12.000 | 3389 | 3393 | 3401 | rBV  | 199    | 306    | 0.03%  | 0.003% |
| 95  | 12.878 | 3662 | 3666 | 3669 | rBV  | 181    | 163    | 0.01%  | 0.002% |
| 96  | 12.894 | 3669 | 3671 | 3673 | rBV  | 166    | 101    | 0.01%  | 0.001% |
| 97  | 13.292 | 3791 | 3795 | 3805 | rVB3 | 767    | 956    | 0.08%  | 0.011% |
| 98  | 14.189 | 4071 | 4074 | 4077 | rBV2 | 312    | 240    | 0.02%  | 0.003% |
| 99  | 14.321 | 4112 | 4115 | 4123 | rBV2 | 303    | 307    | 0.03%  | 0.003% |
| 100 | 15.906 | 4605 | 4608 | 4610 | rBV3 | 568    | 349    | 0.03%  | 0.004% |

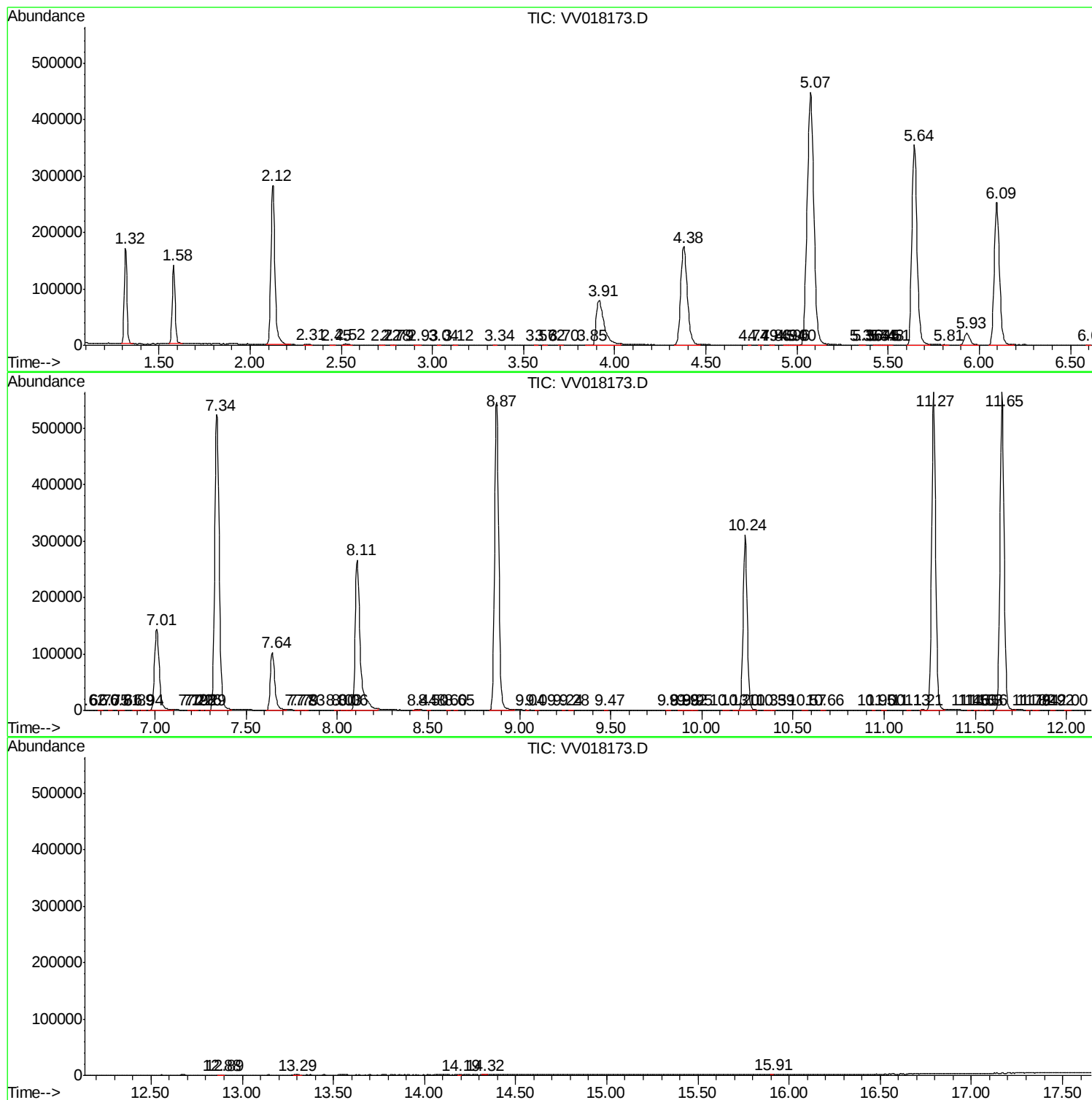
Sum of corrected areas: 8791448

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
Quant Title : VOC Analysis

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



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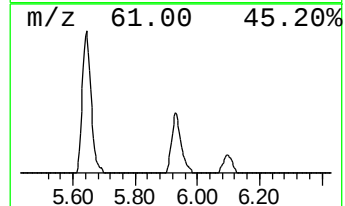
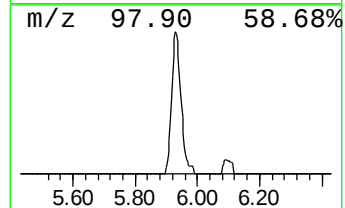
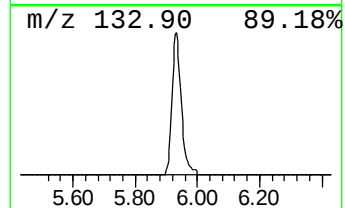
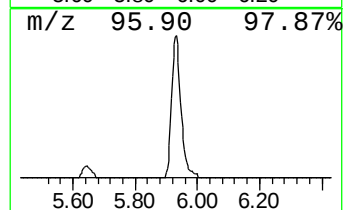
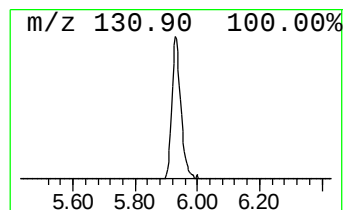
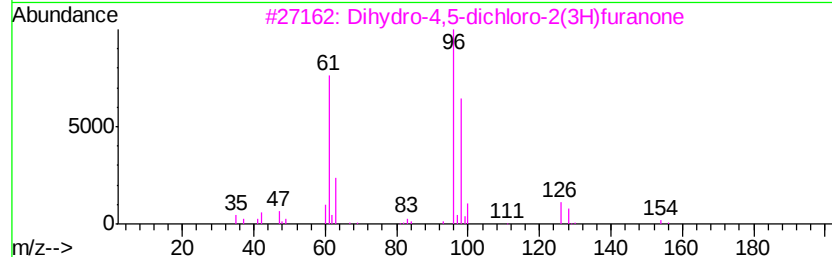
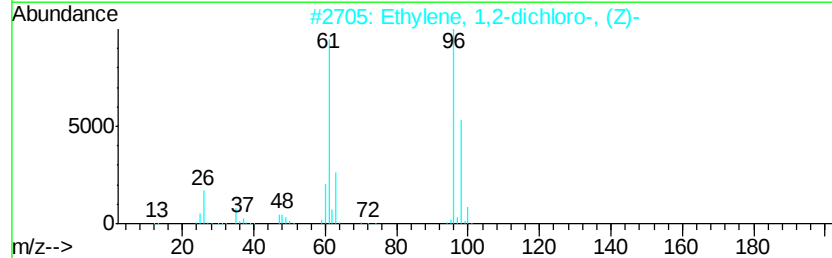
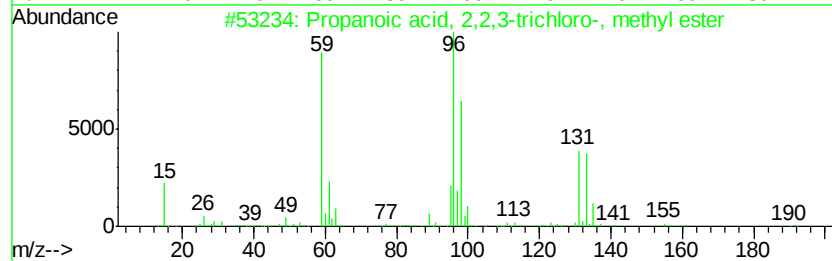
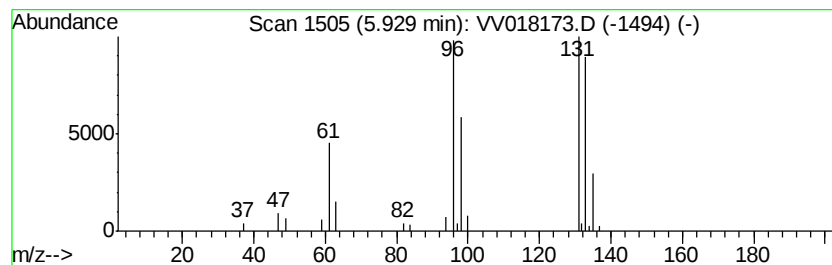
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.93 | 3.14 ug/L | 43685 | 1,4-Difluorobenzene | 5.64 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-----------|-------------|------|
| 1       |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 50   |
| 2       |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 38   |
| 3       |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 9    |
| 4       |   | 4-Cyclopentene-1,3-dione            | 96  | C5H4O2    | 000930-60-9 | 7    |
| 5       |   | Hydrazinecarbothioamide, 2-(1-me... | 131 | C4H9N3S   | 001752-30-3 | 7    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.93 | 3.1     | ug/L  | 43685    | 1                     | 5.64 | 695181 | 50.0 |