

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\  
 Data File : VV013988.D  
 Acq On : 10 Dec 2019 15:22  
 Operator : SY/MD  
 Sample : K6202-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0C00

## 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\SOMVLM120219WMA.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         | 1.319       | 65            | 71          | 86           | rVB      | 265438         | 255289        | 13.43%          | 1.755%        |
| 2         | 1.573       | 144           | 150         | 162          | rVB      | 274348         | 308443        | 16.23%          | 2.121%        |
| 3         | 2.126       | 314           | 322         | 334          | rBV      | 521568         | 721555        | 37.96%          | 4.961%        |
| 4         | 2.701       | 499           | 501         | 504          | rVB3     | 1587           | 790           | 0.04%           | 0.005%        |
| 5         | 2.720       | 504           | 507         | 508          | rBV3     | 1456           | 744           | 0.04%           | 0.005%        |
| 6         | 2.907       | 563           | 565         | 567          | rBV3     | 1087           | 534           | 0.03%           | 0.004%        |
| 7         | 3.061       | 608           | 613         | 615          | rBV3     | 1664           | 1406          | 0.07%           | 0.010%        |
| 8         | 3.116       | 628           | 630         | 632          | rBV3     | 1002           | 523           | 0.03%           | 0.004%        |
| 9         | 3.180       | 648           | 650         | 651          | rBV2     | 639            | 310           | 0.02%           | 0.002%        |
| 10        | 3.254       | 672           | 673         | 676          | rBV2     | 1086           | 664           | 0.03%           | 0.005%        |
| 11        | 3.290       | 682           | 684         | 686          | rVB3     | 1030           | 383           | 0.02%           | 0.003%        |
| 12        | 3.335       | 696           | 698         | 702          | rVB3     | 1472           | 930           | 0.05%           | 0.006%        |
| 13        | 3.357       | 702           | 705         | 706          | rBV2     | 891            | 559           | 0.03%           | 0.004%        |
| 14        | 3.438       | 728           | 730         | 734          | rVB3     | 1345           | 877           | 0.05%           | 0.006%        |
| 15        | 3.463       | 734           | 738         | 741          | rBV3     | 1429           | 1067          | 0.06%           | 0.007%        |
| 16        | 3.483       | 741           | 744         | 745          | rBV3     | 885            | 432           | 0.02%           | 0.003%        |
| 17        | 3.515       | 750           | 754         | 759          | rBV5     | 1215           | 1114          | 0.06%           | 0.008%        |
| 18        | 3.544       | 760           | 763         | 767          | rBV3     | 1143           | 868           | 0.05%           | 0.006%        |
| 19        | 3.589       | 775           | 777         | 779          | rBV3     | 1049           | 548           | 0.03%           | 0.004%        |
| 20        | 3.663       | 795           | 800         | 801          | rBV4     | 1085           | 927           | 0.05%           | 0.006%        |
| 21        | 3.682       | 804           | 806         | 808          | rVB3     | 717            | 388           | 0.02%           | 0.003%        |
| 22        | 3.714       | 815           | 816         | 818          | rBV2     | 864            | 435           | 0.02%           | 0.003%        |
| 23        | 3.778       | 832           | 836         | 840          | rVB7     | 1330           | 929           | 0.05%           | 0.006%        |
| 24        | 3.801       | 840           | 843         | 846          | rBV3     | 1128           | 606           | 0.03%           | 0.004%        |
| 25        | 3.820       | 846           | 849         | 852          | rVB3     | 1593           | 1007          | 0.05%           | 0.007%        |
| 26        | 3.839       | 852           | 855         | 858          | rBV3     | 677            | 519           | 0.03%           | 0.004%        |
| 27        | 3.865       | 860           | 863         | 867          | rBV5     | 1092           | 707           | 0.04%           | 0.005%        |
| 28        | 3.920       | 870           | 880         | 918          | rBV      | 149762         | 399778        | 21.03%          | 2.748%        |
| 29        | 4.396       | 1013          | 1028        | 1051         | rBV2     | 328141         | 776693        | 40.86%          | 5.340%        |
| 30        | 4.804       | 1153          | 1155        | 1157         | rBV2     | 1442           | 516           | 0.03%           | 0.004%        |
| 31        | 4.817       | 1157          | 1159        | 1161         | rBV3     | 912            | 412           | 0.02%           | 0.003%        |
| 32        | 4.875       | 1170          | 1177        | 1180         | rBV7     | 1227           | 1629          | 0.09%           | 0.011%        |
| 33        | 4.929       | 1191          | 1194        | 1197         | rBV3     | 1300           | 803           | 0.04%           | 0.006%        |
| 34        | 4.962       | 1202          | 1204        | 1207         | rBV4     | 1142           | 700           | 0.04%           | 0.005%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 5.007  | 1216 | 1218 | 1220 | rBV3 | 1243    | 612     | 0.03%   | 0.004%  |
| 36 | 5.090  | 1227 | 1244 | 1273 | rBV2 | 754202  | 1900837 | 100.00% | 13.068% |
| 37 | 5.556  | 1385 | 1389 | 1391 | rBV4 | 1738    | 1370    | 0.07%   | 0.009%  |
| 38 | 5.659  | 1408 | 1421 | 1449 | rBV  | 699163  | 1391182 | 73.19%  | 9.564%  |
| 39 | 5.945  | 1501 | 1510 | 1524 | rVB2 | 35888   | 69723   | 3.67%   | 0.479%  |
| 40 | 6.113  | 1549 | 1562 | 1586 | rBV  | 424553  | 844320  | 44.42%  | 5.805%  |
| 41 | 6.502  | 1680 | 1683 | 1687 | rVB4 | 1445    | 973     | 0.05%   | 0.007%  |
| 42 | 6.598  | 1711 | 1713 | 1715 | rBV2 | 1081    | 602     | 0.03%   | 0.004%  |
| 43 | 6.624  | 1718 | 1721 | 1722 | rBV2 | 1267    | 656     | 0.03%   | 0.005%  |
| 44 | 6.724  | 1750 | 1752 | 1757 | rBV6 | 1884    | 1343    | 0.07%   | 0.009%  |
| 45 | 6.746  | 1757 | 1759 | 1761 | rBV3 | 1243    | 708     | 0.04%   | 0.005%  |
| 46 | 6.788  | 1769 | 1772 | 1774 | rBV3 | 1258    | 641     | 0.03%   | 0.004%  |
| 47 | 6.801  | 1774 | 1776 | 1779 | rBV3 | 738     | 486     | 0.03%   | 0.003%  |
| 48 | 6.933  | 1814 | 1817 | 1819 | rBV3 | 1076    | 673     | 0.04%   | 0.005%  |
| 49 | 7.026  | 1834 | 1846 | 1863 | rBV  | 210553  | 371953  | 19.57%  | 2.557%  |
| 50 | 7.177  | 1889 | 1893 | 1898 | rBV7 | 2510    | 2990    | 0.16%   | 0.021%  |
| 51 | 7.357  | 1937 | 1949 | 1967 | rBV  | 798317  | 1376083 | 72.39%  | 9.461%  |
| 52 | 7.608  | 2024 | 2027 | 2030 | rBV5 | 1259    | 1023    | 0.05%   | 0.007%  |
| 53 | 7.659  | 2033 | 2043 | 2058 | rBV  | 151886  | 263104  | 13.84%  | 1.809%  |
| 54 | 8.055  | 2164 | 2166 | 2169 | rBV4 | 1295    | 775     | 0.04%   | 0.005%  |
| 55 | 8.125  | 2175 | 2188 | 2227 | rBV2 | 396491  | 844867  | 44.45%  | 5.808%  |
| 56 | 8.752  | 2381 | 2383 | 2384 | rBV2 | 707     | 355     | 0.02%   | 0.002%  |
| 57 | 8.891  | 2412 | 2426 | 2445 | rBV  | 1007339 | 1619349 | 85.19%  | 11.133% |
| 58 | 9.286  | 2547 | 2549 | 2551 | rBV3 | 1278    | 775     | 0.04%   | 0.005%  |
| 59 | 9.350  | 2567 | 2569 | 2571 | rBV3 | 926     | 555     | 0.03%   | 0.004%  |
| 60 | 9.444  | 2593 | 2598 | 2601 | rBV4 | 1702    | 1917    | 0.10%   | 0.013%  |
| 61 | 9.502  | 2612 | 2616 | 2618 | rBV5 | 1795    | 1312    | 0.07%   | 0.009%  |
| 62 | 9.669  | 2665 | 2668 | 2671 | rBV5 | 1467    | 1169    | 0.06%   | 0.008%  |
| 63 | 9.765  | 2693 | 2698 | 2700 | rBV3 | 1159    | 1075    | 0.06%   | 0.007%  |
| 64 | 9.788  | 2702 | 2705 | 2709 | rVB4 | 1292    | 858     | 0.05%   | 0.006%  |
| 65 | 9.958  | 2756 | 2758 | 2761 | rBV3 | 1107    | 775     | 0.04%   | 0.005%  |
| 66 | 9.987  | 2765 | 2767 | 2771 | rBV3 | 1102    | 971     | 0.05%   | 0.007%  |
| 67 | 10.051 | 2785 | 2787 | 2789 | rBV2 | 757     | 341     | 0.02%   | 0.002%  |
| 68 | 10.096 | 2797 | 2801 | 2802 | rBV2 | 1371    | 708     | 0.04%   | 0.005%  |
| 69 | 10.154 | 2816 | 2819 | 2823 | rVB3 | 1774    | 1452    | 0.08%   | 0.010%  |
| 70 | 10.180 | 2823 | 2827 | 2830 | rBV4 | 1364    | 1179    | 0.06%   | 0.008%  |
| 71 | 10.254 | 2838 | 2850 | 2868 | rBV  | 535896  | 858242  | 45.15%  | 5.900%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.502 | 2924 | 2927 | 2929 | rBV4 | 1190   | 706     | 0.04%  | 0.005% |
| 73  | 10.559 | 2943 | 2945 | 2949 | rBV4 | 857    | 548     | 0.03%  | 0.004% |
| 74  | 10.640 | 2968 | 2970 | 2974 | rBV3 | 842    | 716     | 0.04%  | 0.005% |
| 75  | 10.685 | 2981 | 2984 | 2986 | rBV  | 543    | 349     | 0.02%  | 0.002% |
| 76  | 10.720 | 2992 | 2995 | 2999 | rVB4 | 1254   | 806     | 0.04%  | 0.006% |
| 77  | 10.756 | 3003 | 3006 | 3010 | rBV3 | 846    | 611     | 0.03%  | 0.004% |
| 78  | 10.781 | 3010 | 3014 | 3017 | rBV4 | 1827   | 1201    | 0.06%  | 0.008% |
| 79  | 10.813 | 3022 | 3024 | 3025 | rBV  | 914    | 374     | 0.02%  | 0.003% |
| 80  | 10.862 | 3037 | 3039 | 3041 | rBV3 | 772    | 430     | 0.02%  | 0.003% |
| 81  | 10.942 | 3062 | 3064 | 3066 | rBV2 | 789    | 495     | 0.03%  | 0.003% |
| 82  | 10.955 | 3066 | 3068 | 3069 | rBV2 | 962    | 361     | 0.02%  | 0.002% |
| 83  | 11.048 | 3093 | 3097 | 3099 | rVB2 | 1332   | 864     | 0.05%  | 0.006% |
| 84  | 11.119 | 3115 | 3119 | 3123 | rBV5 | 1279   | 1137    | 0.06%  | 0.008% |
| 85  | 11.289 | 3159 | 3172 | 3192 | rBV  | 797838 | 1252649 | 65.90% | 8.612% |
| 86  | 11.498 | 3233 | 3237 | 3242 | rBV9 | 1314   | 1580    | 0.08%  | 0.011% |
| 87  | 11.665 | 3277 | 3289 | 3313 | rBV  | 765447 | 1216731 | 64.01% | 8.365% |
| 88  | 12.019 | 3396 | 3399 | 3402 | rBV4 | 1435   | 958     | 0.05%  | 0.007% |
| 89  | 12.106 | 3425 | 3426 | 3427 | rBV  | 1153   | 326     | 0.02%  | 0.002% |
| 90  | 12.289 | 3481 | 3483 | 3484 | rBV  | 963    | 520     | 0.03%  | 0.004% |
| 91  | 12.379 | 3509 | 3511 | 3514 | rVB2 | 1364   | 722     | 0.04%  | 0.005% |
| 92  | 12.408 | 3514 | 3520 | 3522 | rBV4 | 2116   | 1667    | 0.09%  | 0.011% |
| 93  | 12.424 | 3522 | 3525 | 3527 | rBV4 | 1392   | 1003    | 0.05%  | 0.007% |
| 94  | 12.752 | 3625 | 3627 | 3629 | rBV2 | 916    | 480     | 0.03%  | 0.003% |
| 95  | 13.145 | 3747 | 3749 | 3752 | rBV3 | 866    | 649     | 0.03%  | 0.004% |
| 96  | 13.177 | 3756 | 3759 | 3760 | rVV2 | 1296   | 585     | 0.03%  | 0.004% |
| 97  | 13.489 | 3854 | 3856 | 3859 | rBV2 | 1450   | 1011    | 0.05%  | 0.007% |
| 98  | 13.836 | 3962 | 3964 | 3966 | rBV3 | 1973   | 842     | 0.04%  | 0.006% |
| 99  | 14.189 | 4072 | 4074 | 4076 | rBV2 | 1242   | 444     | 0.02%  | 0.003% |
| 100 | 14.289 | 4102 | 4105 | 4109 | rVB  | 12861  | 7651    | 0.40%  | 0.053% |

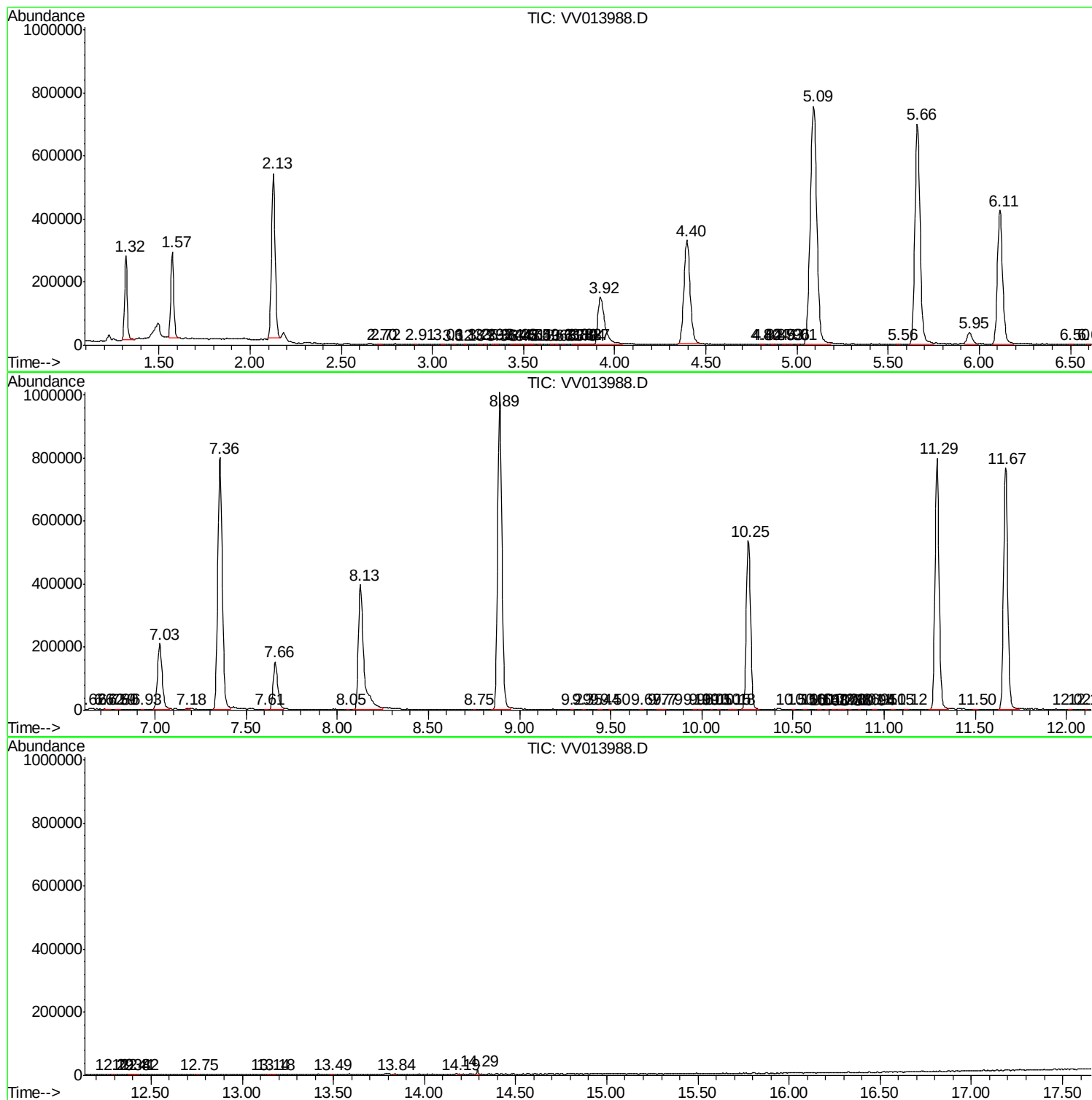
Sum of corrected areas: 14545455

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV121019\  
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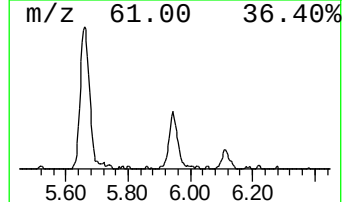
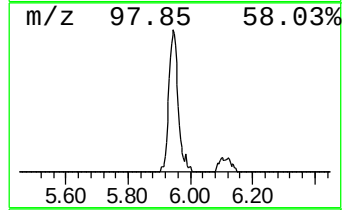
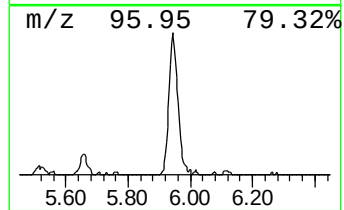
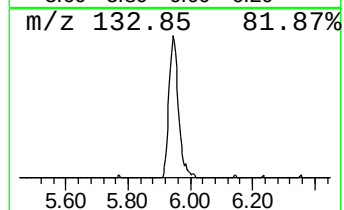
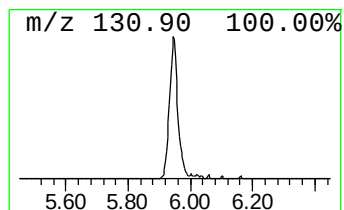
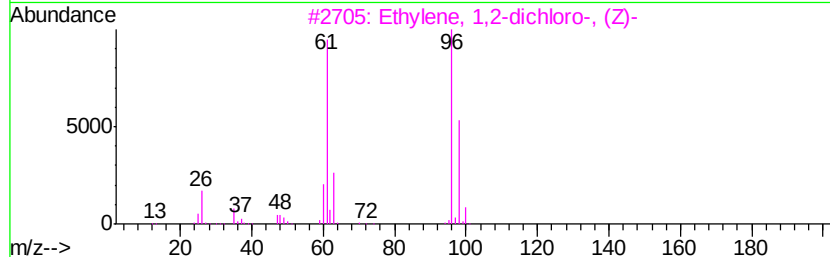
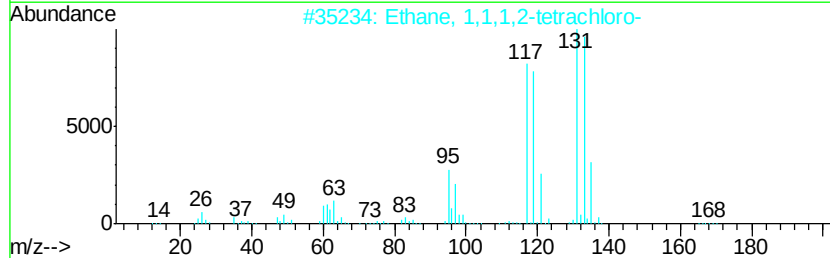
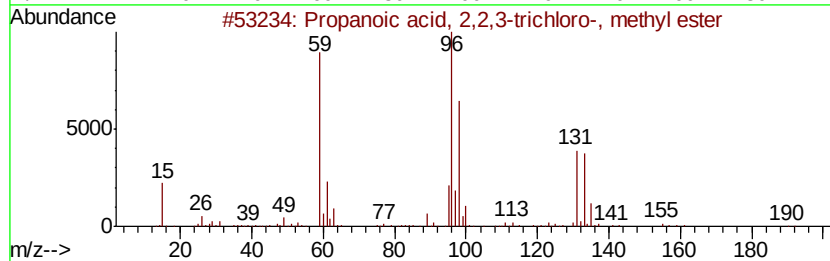
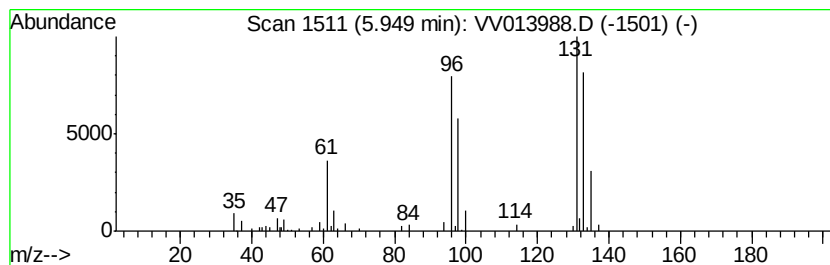
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|-----------|-------|---------------------|------|
| 5.95 | 2.51 ug/L | 69723 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 56   |
| 2    |    | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 32   |
| 3    |    | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 30   |
| 4    |    | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 25   |
| 5    |    | Acetylthiosemicarbazide             | 133 | C3H7N3OS  | 002302-88-7 | 10   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Propanoic acid, 2... | 5.95 | 2.5     | ug/L  | 69723    | 1                     | 5.66 | 1391180 | 50.0 |