

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\  
 Data File : VV012353.D  
 Acq On : 22 Aug 2019 17:31  
 Operator : SY/MD  
 Sample : K4485-14  
 Misc : 5mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2B92

## 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\SOMVLM082119WMA.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         | 1.322       | 65            | 72          | 84           | rVB2     | 83402          | 89301         | 13.51%          | 1.716%        |
| 2         | 1.579       | 145           | 152         | 165          | rVB      | 43359          | 51250         | 7.75%           | 0.985%        |
| 3         | 2.023       | 285           | 290         | 294          | rBV2     | 290            | 326           | 0.05%           | 0.006%        |
| 4         | 2.052       | 294           | 299         | 304          | rBV3     | 1258           | 1286          | 0.19%           | 0.025%        |
| 5         | 2.129       | 313           | 323         | 335          | rBV      | 114344         | 161666        | 24.45%          | 3.106%        |
| 6         | 2.251       | 358           | 361         | 365          | rBB      | 316            | 311           | 0.05%           | 0.006%        |
| 7         | 2.296       | 368           | 375         | 376          | rBV      | 203            | 261           | 0.04%           | 0.005%        |
| 8         | 2.319       | 376           | 382         | 386          | rVV2     | 513            | 653           | 0.10%           | 0.013%        |
| 9         | 2.656       | 480           | 487         | 490          | rBV2     | 360            | 489           | 0.07%           | 0.009%        |
| 10        | 2.801       | 522           | 532         | 546          | rVB6     | 5422           | 11199         | 1.69%           | 0.215%        |
| 11        | 2.872       | 549           | 554         | 556          | rBV      | 260            | 231           | 0.03%           | 0.004%        |
| 12        | 2.946       | 571           | 577         | 580          | rBV2     | 300            | 380           | 0.06%           | 0.007%        |
| 13        | 3.026       | 599           | 602         | 605          | rVB      | 286            | 208           | 0.03%           | 0.004%        |
| 14        | 3.049       | 606           | 609         | 613          | rBV      | 147            | 168           | 0.03%           | 0.003%        |
| 15        | 3.087       | 615           | 621         | 622          | rBV2     | 328            | 256           | 0.04%           | 0.005%        |
| 16        | 3.216       | 658           | 661         | 665          | rBB      | 309            | 230           | 0.03%           | 0.004%        |
| 17        | 3.251       | 666           | 672         | 674          | rBV2     | 281            | 312           | 0.05%           | 0.006%        |
| 18        | 3.296       | 678           | 686         | 688          | rBB2     | 291            | 360           | 0.05%           | 0.007%        |
| 19        | 3.473       | 737           | 741         | 747          | rBB      | 205            | 229           | 0.03%           | 0.004%        |
| 20        | 3.576       | 769           | 773         | 774          | rBV      | 257            | 173           | 0.03%           | 0.003%        |
| 21        | 3.958       | 870           | 892         | 911          | rBV4     | 97053          | 328966        | 49.76%          | 6.321%        |
| 22        | 4.296       | 995           | 997         | 1001         | rVB      | 420            | 254           | 0.04%           | 0.005%        |
| 23        | 4.399       | 1012          | 1029        | 1054         | rBV2     | 112446         | 285842        | 43.23%          | 5.493%        |
| 24        | 4.685       | 1115          | 1118        | 1120         | rBV      | 274            | 177           | 0.03%           | 0.003%        |
| 25        | 4.852       | 1166          | 1170        | 1173         | rBV2     | 266            | 248           | 0.04%           | 0.005%        |
| 26        | 5.093       | 1227          | 1245        | 1267         | rBV3     | 261320         | 661153        | 100.00%         | 12.704%       |
| 27        | 5.663       | 1409          | 1422        | 1445         | rBV      | 203514         | 396227        | 59.93%          | 7.614%        |
| 28        | 5.782       | 1456          | 1459        | 1460         | rBV      | 429            | 192           | 0.03%           | 0.004%        |
| 29        | 5.949       | 1500          | 1511        | 1523         | rVV6     | 11581          | 22848         | 3.46%           | 0.439%        |
| 30        | 6.116       | 1549          | 1563        | 1580         | rBV      | 145685         | 289676        | 43.81%          | 5.566%        |
| 31        | 6.241       | 1599          | 1602        | 1603         | rBV      | 475            | 300           | 0.05%           | 0.006%        |
| 32        | 6.354       | 1633          | 1637        | 1639         | rVB2     | 365            | 241           | 0.04%           | 0.005%        |
| 33        | 6.373       | 1640          | 1643        | 1648         | rBV      | 257            | 249           | 0.04%           | 0.005%        |
| 34        | 6.415       | 1652          | 1656        | 1659         | rBV2     | 271            | 243           | 0.04%           | 0.005%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082119WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 6.611  | 1714 | 1717 | 1720 | rVB2 | 346    | 241    | 0.04%  | 0.005%  |
| 36 | 6.878  | 1797 | 1800 | 1804 | rBB  | 246    | 186    | 0.03%  | 0.004%  |
| 37 | 6.917  | 1809 | 1812 | 1814 | rBV2 | 275    | 194    | 0.03%  | 0.004%  |
| 38 | 7.029  | 1835 | 1847 | 1864 | rBV  | 87293  | 153193 | 23.17% | 2.944%  |
| 39 | 7.122  | 1874 | 1876 | 1878 | rBV3 | 366    | 195    | 0.03%  | 0.004%  |
| 40 | 7.180  | 1891 | 1894 | 1897 | rVV2 | 269    | 203    | 0.03%  | 0.004%  |
| 41 | 7.232  | 1906 | 1910 | 1913 | rBV  | 320    | 252    | 0.04%  | 0.005%  |
| 42 | 7.299  | 1928 | 1931 | 1935 | rVB2 | 305    | 286    | 0.04%  | 0.005%  |
| 43 | 7.357  | 1935 | 1949 | 1970 | rBV  | 320824 | 554955 | 83.94% | 10.664% |
| 44 | 7.662  | 2033 | 2044 | 2070 | rBV  | 62698  | 107478 | 16.26% | 2.065%  |
| 45 | 7.910  | 2119 | 2121 | 2123 | rBV  | 250    | 182    | 0.03%  | 0.003%  |
| 46 | 7.997  | 2145 | 2148 | 2151 | rBV2 | 228    | 171    | 0.03%  | 0.003%  |
| 47 | 8.129  | 2178 | 2189 | 2213 | rBV2 | 138279 | 276912 | 41.88% | 5.321%  |
| 48 | 8.396  | 2268 | 2272 | 2273 | rBV2 | 342    | 206    | 0.03%  | 0.004%  |
| 49 | 8.476  | 2294 | 2297 | 2302 | rVB  | 235    | 188    | 0.03%  | 0.004%  |
| 50 | 8.547  | 2314 | 2319 | 2322 | rBV  | 303    | 335    | 0.05%  | 0.006%  |
| 51 | 8.772  | 2387 | 2389 | 2393 | rBV2 | 313    | 316    | 0.05%  | 0.006%  |
| 52 | 8.894  | 2415 | 2427 | 2460 | rBV  | 303834 | 496169 | 75.05% | 9.534%  |
| 53 | 9.106  | 2489 | 2493 | 2495 | rBV2 | 301    | 309    | 0.05%  | 0.006%  |
| 54 | 9.193  | 2518 | 2520 | 2527 | rVV2 | 279    | 231    | 0.03%  | 0.004%  |
| 55 | 9.222  | 2527 | 2529 | 2536 | rVB2 | 224    | 176    | 0.03%  | 0.003%  |
| 56 | 9.299  | 2546 | 2553 | 2555 | rBV2 | 260    | 306    | 0.05%  | 0.006%  |
| 57 | 9.392  | 2579 | 2582 | 2586 | rBV  | 197    | 229    | 0.03%  | 0.004%  |
| 58 | 9.495  | 2611 | 2614 | 2620 | rBV2 | 186    | 199    | 0.03%  | 0.004%  |
| 59 | 9.736  | 2685 | 2689 | 2694 | rVB  | 343    | 382    | 0.06%  | 0.007%  |
| 60 | 9.897  | 2736 | 2739 | 2742 | rVB2 | 440    | 315    | 0.05%  | 0.006%  |
| 61 | 9.926  | 2743 | 2748 | 2751 | rBV2 | 352    | 402    | 0.06%  | 0.008%  |
| 62 | 9.987  | 2764 | 2767 | 2773 | rBV2 | 307    | 379    | 0.06%  | 0.007%  |
| 63 | 10.064 | 2786 | 2791 | 2794 | rBV2 | 279    | 310    | 0.05%  | 0.006%  |
| 64 | 10.260 | 2839 | 2852 | 2871 | rVB  | 201315 | 321897 | 48.69% | 6.185%  |
| 65 | 10.476 | 2916 | 2919 | 2922 | rVB2 | 341    | 255    | 0.04%  | 0.005%  |
| 66 | 10.498 | 2923 | 2926 | 2929 | rBV  | 345    | 300    | 0.05%  | 0.006%  |
| 67 | 10.556 | 2939 | 2944 | 2948 | rVB2 | 163    | 171    | 0.03%  | 0.003%  |
| 68 | 10.608 | 2954 | 2960 | 2963 | rVB2 | 195    | 227    | 0.03%  | 0.004%  |
| 69 | 10.675 | 2978 | 2981 | 2985 | rVB  | 242    | 179    | 0.03%  | 0.003%  |
| 70 | 10.730 | 2994 | 2998 | 3002 | rBB2 | 262    | 181    | 0.03%  | 0.003%  |
| 71 | 10.772 | 3008 | 3011 | 3014 | rVB2 | 319    | 246    | 0.04%  | 0.005%  |

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082119WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 10.791 | 3015 | 3017 | 3019 | rBV  | 284    | 196    | 0.03%  | 0.004%  |
| 73  | 10.891 | 3045 | 3048 | 3055 | rVB2 | 197    | 187    | 0.03%  | 0.004%  |
| 74  | 10.955 | 3063 | 3068 | 3072 | rBV  | 313    | 384    | 0.06%  | 0.007%  |
| 75  | 11.000 | 3079 | 3082 | 3084 | rVB2 | 312    | 201    | 0.03%  | 0.004%  |
| 76  | 11.019 | 3085 | 3088 | 3091 | rBV  | 307    | 299    | 0.05%  | 0.006%  |
| 77  | 11.061 | 3098 | 3101 | 3104 | rBV2 | 243    | 191    | 0.03%  | 0.004%  |
| 78  | 11.293 | 3162 | 3173 | 3196 | rBV  | 266130 | 439738 | 66.51% | 8.450%  |
| 79  | 11.373 | 3196 | 3198 | 3202 | rVB2 | 690    | 422    | 0.06%  | 0.008%  |
| 80  | 11.482 | 3230 | 3232 | 3235 | rBV  | 292    | 168    | 0.03%  | 0.003%  |
| 81  | 11.575 | 3259 | 3261 | 3266 | rBV2 | 247    | 220    | 0.03%  | 0.004%  |
| 82  | 11.669 | 3274 | 3290 | 3314 | rBV  | 327173 | 533254 | 80.66% | 10.247% |
| 83  | 11.875 | 3350 | 3354 | 3356 | rBV  | 228    | 232    | 0.04%  | 0.004%  |
| 84  | 12.019 | 3392 | 3399 | 3401 | rVB2 | 335    | 319    | 0.05%  | 0.006%  |
| 85  | 12.090 | 3415 | 3421 | 3422 | rBV  | 339    | 253    | 0.04%  | 0.005%  |
| 86  | 12.383 | 3509 | 3512 | 3515 | rVB  | 220    | 169    | 0.03%  | 0.003%  |
| 87  | 12.530 | 3555 | 3558 | 3561 | rBV2 | 238    | 173    | 0.03%  | 0.003%  |
| 88  | 12.585 | 3568 | 3575 | 3577 | rBV  | 247    | 279    | 0.04%  | 0.005%  |
| 89  | 12.682 | 3602 | 3605 | 3612 | rBV2 | 238    | 298    | 0.05%  | 0.006%  |
| 90  | 12.720 | 3612 | 3617 | 3618 | rBV2 | 254    | 195    | 0.03%  | 0.004%  |
| 91  | 12.958 | 3685 | 3691 | 3692 | rBV2 | 271    | 201    | 0.03%  | 0.004%  |
| 92  | 13.035 | 3711 | 3715 | 3717 | rBV  | 281    | 270    | 0.04%  | 0.005%  |
| 93  | 13.222 | 3770 | 3773 | 3777 | rBV  | 361    | 281    | 0.04%  | 0.005%  |
| 94  | 13.247 | 3777 | 3781 | 3785 | rBV  | 240    | 245    | 0.04%  | 0.005%  |
| 95  | 13.373 | 3816 | 3820 | 3822 | rBV2 | 288    | 239    | 0.04%  | 0.005%  |
| 96  | 13.540 | 3869 | 3872 | 3876 | rBV2 | 244    | 251    | 0.04%  | 0.005%  |
| 97  | 13.881 | 3975 | 3978 | 3980 | rBV2 | 384    | 237    | 0.04%  | 0.005%  |
| 98  | 13.907 | 3983 | 3986 | 3992 | rVV  | 354    | 275    | 0.04%  | 0.005%  |
| 99  | 14.202 | 4075 | 4078 | 4080 | rBV  | 386    | 190    | 0.03%  | 0.004%  |
| 100 | 14.704 | 4231 | 4234 | 4241 | rBV2 | 384    | 527    | 0.08%  | 0.010%  |

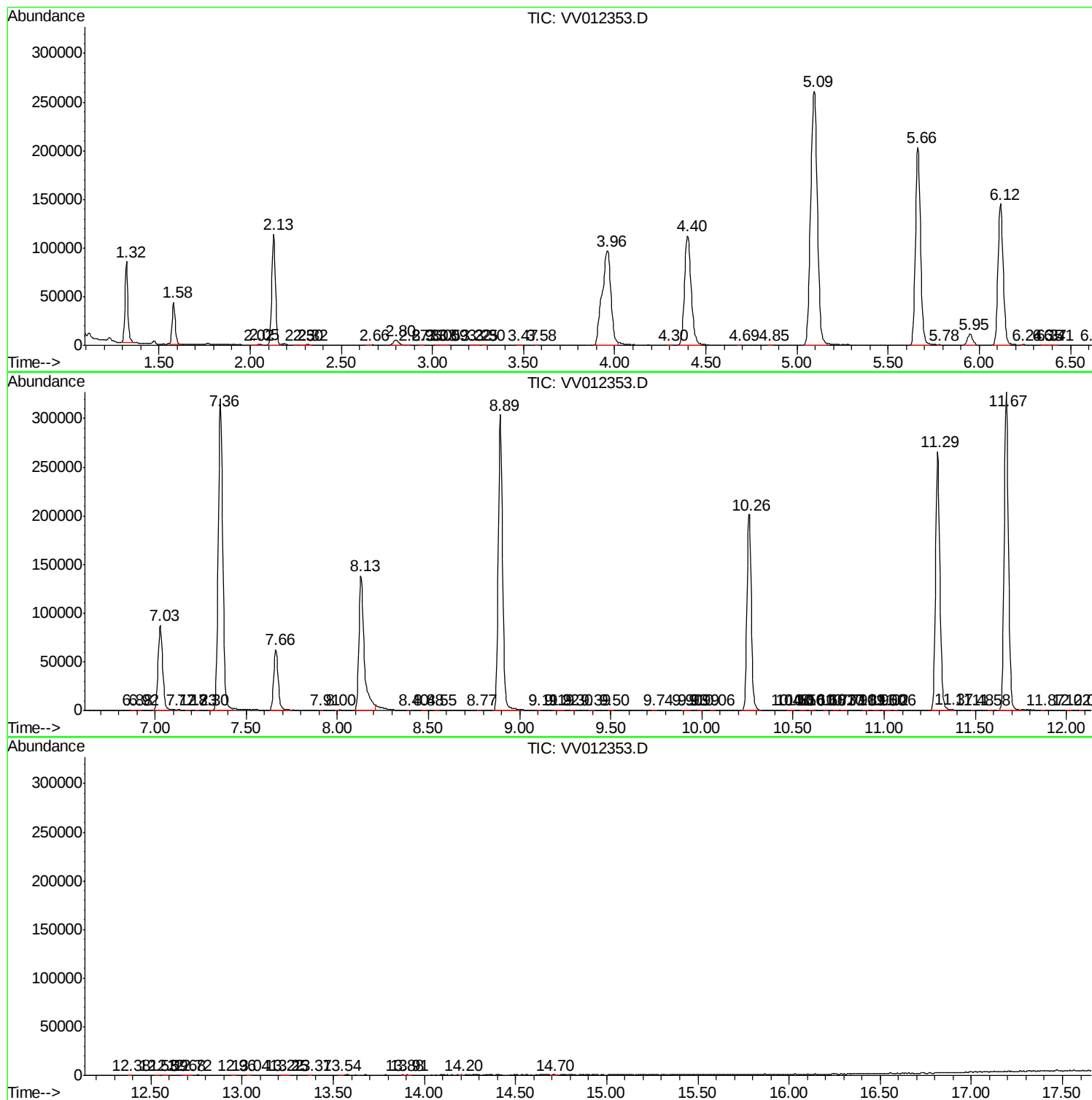
Sum of corrected areas: 5204155

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F2B92

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082119WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082219\  
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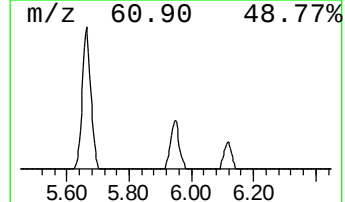
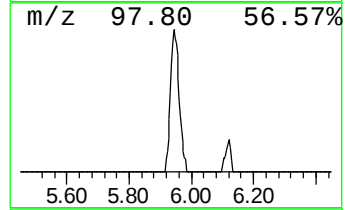
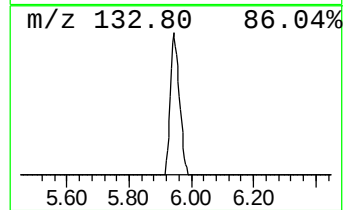
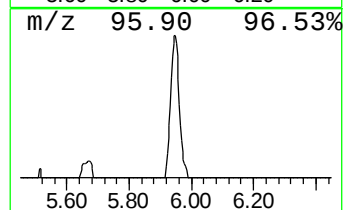
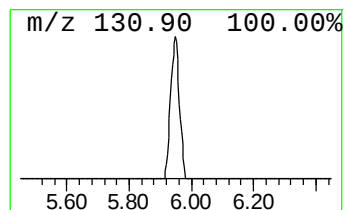
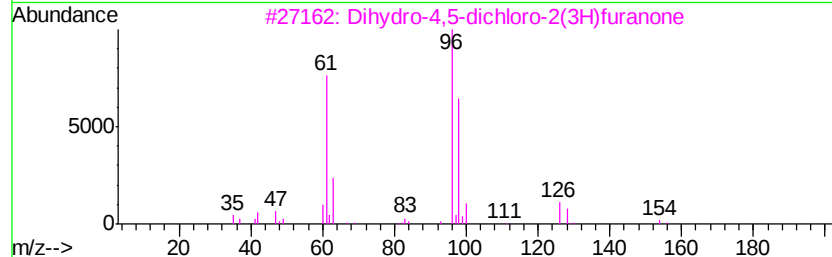
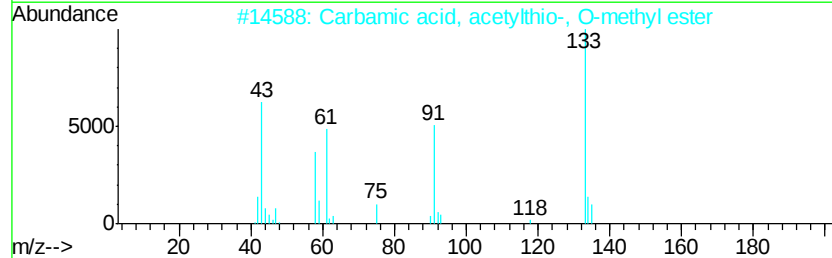
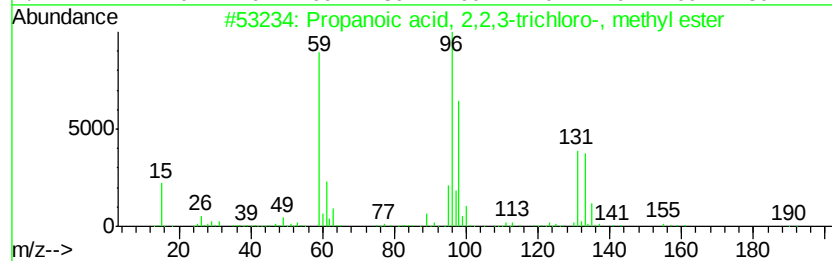
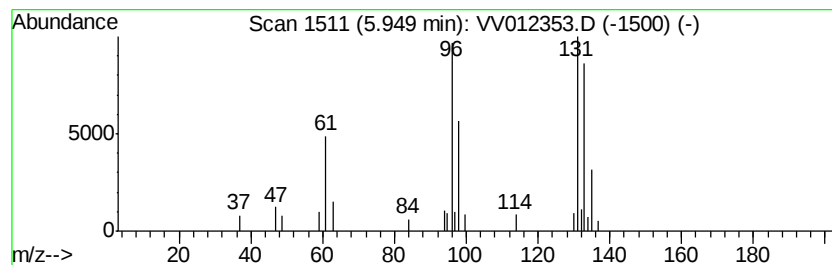
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Quant Title : VOC Analysis

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

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.95 | 2.88 ug/L | 22848 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 39   |
| 2    |    |   | Carbamic acid, acetylthio-, O-me... | 133 | C4H7NO2S  | 016696-87-0 | 22   |
| 3    |    |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 16   |
| 4    |    |   | o-Methoxybenzonitrile               | 133 | C8H7NO    | 006609-56-9 | 9    |
| 5    |    |   | Benzene, fluoro-                    | 96  | C6H5F     | 000462-06-6 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 5.95 | 2.9     | ug/L  | 22848    | 1                     | 5.66 | 396227 | 50.0 |