

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121918\  
 Data File : VV009060.D  
 Acq On : 19 Dec 2018 20:50  
 Operator : SY/MD  
 Sample : VV1219SBL02  
 Misc : 5.00G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK73

## 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\SOM2VLM120618S.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      | 101153         | 105066        | 11.47%          | 1.614%        |
| 2         | 1.576       | 144           | 151         | 161          | rVB      | 104080         | 119429        | 13.04%          | 1.834%        |
| 3         | 2.129       | 312           | 323         | 335          | rBV      | 222355         | 323794        | 35.34%          | 4.973%        |
| 4         | 2.322       | 376           | 383         | 384          | rBV      | 955            | 928           | 0.10%           | 0.014%        |
| 5         | 2.537       | 438           | 450         | 465          | rVB      | 24233          | 41393         | 4.52%           | 0.636%        |
| 6         | 2.608       | 469           | 472         | 475          | rBB      | 180            | 140           | 0.02%           | 0.002%        |
| 7         | 2.656       | 475           | 487         | 496          | rBV2     | 3472           | 7151          | 0.78%           | 0.110%        |
| 8         | 2.856       | 544           | 549         | 551          | rBV      | 169            | 188           | 0.02%           | 0.003%        |
| 9         | 2.865       | 551           | 552         | 556          | rVB      | 255            | 128           | 0.01%           | 0.002%        |
| 10        | 2.971       | 578           | 585         | 587          | rBV4     | 1070           | 1114          | 0.12%           | 0.017%        |
| 11        | 3.074       | 609           | 617         | 629          | rVB4     | 3426           | 6618          | 0.72%           | 0.102%        |
| 12        | 3.148       | 636           | 640         | 644          | rBB2     | 279            | 250           | 0.03%           | 0.004%        |
| 13        | 3.171       | 645           | 647         | 649          | rBV      | 306            | 183           | 0.02%           | 0.003%        |
| 14        | 3.212       | 655           | 660         | 661          | rBV      | 210            | 201           | 0.02%           | 0.003%        |
| 15        | 3.351       | 696           | 703         | 706          | rBV      | 176            | 264           | 0.03%           | 0.004%        |
| 16        | 3.463       | 735           | 738         | 741          | rBV      | 252            | 201           | 0.02%           | 0.003%        |
| 17        | 3.746       | 823           | 826         | 828          | rBB2     | 241            | 134           | 0.01%           | 0.002%        |
| 18        | 3.946       | 871           | 888         | 933          | rBV3     | 37463          | 160097        | 17.48%          | 2.459%        |
| 19        | 4.328       | 1005          | 1007        | 1010         | rBV2     | 279            | 185           | 0.02%           | 0.003%        |
| 20        | 4.399       | 1013          | 1029        | 1053         | rVV      | 154127         | 377679        | 41.22%          | 5.801%        |
| 21        | 4.598       | 1089          | 1091        | 1094         | rBV2     | 274            | 215           | 0.02%           | 0.003%        |
| 22        | 4.756       | 1136          | 1140        | 1142         | rBV      | 201            | 172           | 0.02%           | 0.003%        |
| 23        | 4.807       | 1151          | 1156        | 1160         | rBB      | 137            | 161           | 0.02%           | 0.002%        |
| 24        | 5.097       | 1227          | 1246        | 1277         | rBV3     | 356913         | 916144        | 100.00%         | 14.071%       |
| 25        | 5.518       | 1373          | 1377        | 1381         | rBV      | 457            | 404           | 0.04%           | 0.006%        |
| 26        | 5.582       | 1392          | 1397        | 1400         | rBB      | 256            | 208           | 0.02%           | 0.003%        |
| 27        | 5.663       | 1407          | 1422        | 1444         | rBV      | 290145         | 580070        | 63.32%          | 8.909%        |
| 28        | 5.945       | 1498          | 1510        | 1523         | rBV3     | 20889          | 41123         | 4.49%           | 0.632%        |
| 29        | 6.119       | 1548          | 1564        | 1592         | rBV      | 199312         | 408692        | 44.61%          | 6.277%        |
| 30        | 6.283       | 1613          | 1615        | 1617         | rBV      | 342            | 176           | 0.02%           | 0.003%        |
| 31        | 6.331       | 1626          | 1630        | 1631         | rBV      | 273            | 193           | 0.02%           | 0.003%        |
| 32        | 6.351       | 1634          | 1636        | 1640         | rVV3     | 309            | 203           | 0.02%           | 0.003%        |
| 33        | 6.434       | 1657          | 1662        | 1668         | rBV      | 307            | 429           | 0.05%           | 0.007%        |
| 34        | 6.473       | 1672          | 1674        | 1676         | rVV      | 258            | 166           | 0.02%           | 0.003%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 6.524 | 1685 | 1690 | 1695 | rBV  | 194    | 290    | 0.03%  | 0.004%  |
| 36 | 6.563 | 1701 | 1702 | 1707 | rVB2 | 384    | 177    | 0.02%  | 0.003%  |
| 37 | 6.601 | 1712 | 1714 | 1717 | rBV  | 232    | 165    | 0.02%  | 0.003%  |
| 38 | 6.659 | 1728 | 1732 | 1734 | rVB  | 336    | 256    | 0.03%  | 0.004%  |
| 39 | 6.698 | 1734 | 1744 | 1753 | rBB4 | 3029   | 5794   | 0.63%  | 0.089%  |
| 40 | 6.740 | 1754 | 1757 | 1759 | rBV  | 240    | 148    | 0.02%  | 0.002%  |
| 41 | 6.775 | 1765 | 1768 | 1771 | rBV  | 165    | 171    | 0.02%  | 0.003%  |
| 42 | 6.820 | 1771 | 1782 | 1796 | rVB3 | 8294   | 16709  | 1.82%  | 0.257%  |
| 43 | 6.875 | 1796 | 1799 | 1800 | rBV3 | 266    | 153    | 0.02%  | 0.002%  |
| 44 | 7.029 | 1833 | 1847 | 1870 | rBV2 | 112319 | 202684 | 22.12% | 3.113%  |
| 45 | 7.145 | 1880 | 1883 | 1887 | rBV2 | 441    | 411    | 0.04%  | 0.006%  |
| 46 | 7.193 | 1896 | 1898 | 1905 | rBV  | 371    | 459    | 0.05%  | 0.007%  |
| 47 | 7.241 | 1911 | 1913 | 1915 | rBV  | 258    | 166    | 0.02%  | 0.003%  |
| 48 | 7.302 | 1915 | 1932 | 1938 | rBV7 | 5527   | 14607  | 1.59%  | 0.224%  |
| 49 | 7.360 | 1938 | 1950 | 1968 | rVV  | 423395 | 725834 | 79.23% | 11.148% |
| 50 | 7.608 | 2024 | 2027 | 2030 | rBB2 | 280    | 197    | 0.02%  | 0.003%  |
| 51 | 7.666 | 2034 | 2045 | 2059 | rBV2 | 71520  | 121457 | 13.26% | 1.865%  |
| 52 | 7.904 | 2117 | 2119 | 2121 | rBV  | 296    | 143    | 0.02%  | 0.002%  |
| 53 | 7.923 | 2121 | 2125 | 2130 | rVB4 | 754    | 696    | 0.08%  | 0.011%  |
| 54 | 7.981 | 2133 | 2143 | 2150 | rBV4 | 3833   | 6948   | 0.76%  | 0.107%  |
| 55 | 8.138 | 2180 | 2192 | 2205 | rBV2 | 80027  | 158753 | 17.33% | 2.438%  |
| 56 | 8.351 | 2254 | 2258 | 2260 | rBV  | 189    | 133    | 0.01%  | 0.002%  |
| 57 | 8.392 | 2268 | 2271 | 2274 | rBV  | 197    | 151    | 0.02%  | 0.002%  |
| 58 | 8.412 | 2274 | 2277 | 2278 | rBV  | 774    | 408    | 0.04%  | 0.006%  |
| 59 | 8.469 | 2286 | 2295 | 2308 | rBV3 | 2296   | 4497   | 0.49%  | 0.069%  |
| 60 | 8.543 | 2315 | 2318 | 2322 | rBV  | 320    | 294    | 0.03%  | 0.005%  |
| 61 | 8.569 | 2322 | 2326 | 2328 | rVV  | 166    | 138    | 0.02%  | 0.002%  |
| 62 | 8.614 | 2335 | 2340 | 2344 | rBB  | 411    | 365    | 0.04%  | 0.006%  |
| 63 | 8.640 | 2344 | 2348 | 2349 | rBV  | 243    | 165    | 0.02%  | 0.003%  |
| 64 | 8.897 | 2414 | 2428 | 2461 | rBV  | 402664 | 679194 | 74.14% | 10.431% |
| 65 | 9.055 | 2471 | 2477 | 2487 | rBV5 | 2431   | 3151   | 0.34%  | 0.048%  |
| 66 | 9.138 | 2500 | 2503 | 2506 | rBV  | 187    | 183    | 0.02%  | 0.003%  |
| 67 | 9.187 | 2510 | 2518 | 2527 | rVV2 | 2522   | 3862   | 0.42%  | 0.059%  |
| 68 | 9.248 | 2531 | 2537 | 2539 | rBV  | 163    | 186    | 0.02%  | 0.003%  |
| 69 | 9.264 | 2539 | 2542 | 2544 | rVV2 | 289    | 203    | 0.02%  | 0.003%  |
| 70 | 9.286 | 2547 | 2549 | 2553 | rVB  | 301    | 176    | 0.02%  | 0.003%  |
| 71 | 9.405 | 2583 | 2586 | 2590 | rBV  | 184    | 224    | 0.02%  | 0.003%  |

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Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.502  | 2613 | 2616 | 2620 | rBV2 | 285    | 287    | 0.03%  | 0.004% |
| 73  | 9.595  | 2635 | 2645 | 2656 | rBV3 | 2930   | 6133   | 0.67%  | 0.094% |
| 74  | 9.691  | 2671 | 2675 | 2679 | rBV2 | 292    | 320    | 0.03%  | 0.005% |
| 75  | 9.955  | 2749 | 2757 | 2758 | rBV3 | 1322   | 1429   | 0.16%  | 0.022% |
| 76  | 10.264 | 2841 | 2853 | 2870 | rBV  | 148664 | 239752 | 26.17% | 3.682% |
| 77  | 10.428 | 2894 | 2904 | 2919 | rVB2 | 18485  | 29459  | 3.22%  | 0.452% |
| 78  | 10.614 | 2959 | 2962 | 2965 | rBV2 | 355    | 306    | 0.03%  | 0.005% |
| 79  | 10.765 | 3007 | 3009 | 3013 | rBV  | 249    | 218    | 0.02%  | 0.003% |
| 80  | 10.817 | 3023 | 3025 | 3030 | rVB2 | 410    | 299    | 0.03%  | 0.005% |
| 81  | 10.884 | 3044 | 3046 | 3049 | rVB  | 353    | 136    | 0.01%  | 0.002% |
| 82  | 10.965 | 3063 | 3071 | 3077 | rVB3 | 822    | 952    | 0.10%  | 0.015% |
| 83  | 11.138 | 3120 | 3125 | 3127 | rBV2 | 178    | 145    | 0.02%  | 0.002% |
| 84  | 11.186 | 3133 | 3140 | 3148 | rBV3 | 1184   | 1926   | 0.21%  | 0.030% |
| 85  | 11.231 | 3148 | 3154 | 3162 | rVB3 | 2781   | 3678   | 0.40%  | 0.056% |
| 86  | 11.296 | 3162 | 3174 | 3194 | rBV  | 359358 | 583766 | 63.72% | 8.966% |
| 87  | 11.444 | 3212 | 3220 | 3223 | rBV5 | 1188   | 1590   | 0.17%  | 0.024% |
| 88  | 11.675 | 3279 | 3292 | 3308 | rBV  | 348638 | 569525 | 62.17% | 8.747% |
| 89  | 11.833 | 3338 | 3341 | 3347 | rVB4 | 589    | 570    | 0.06%  | 0.009% |
| 90  | 11.887 | 3353 | 3358 | 3364 | rBV4 | 974    | 1102   | 0.12%  | 0.017% |
| 91  | 11.945 | 3374 | 3376 | 3379 | rBV  | 248    | 168    | 0.02%  | 0.003% |
| 92  | 12.292 | 3477 | 3484 | 3497 | rVB2 | 2071   | 3439   | 0.38%  | 0.053% |
| 93  | 12.698 | 3602 | 3610 | 3617 | rBV3 | 2342   | 3077   | 0.34%  | 0.047% |
| 94  | 12.752 | 3623 | 3627 | 3631 | rBV2 | 196    | 200    | 0.02%  | 0.003% |
| 95  | 12.968 | 3691 | 3694 | 3698 | rBV  | 227    | 131    | 0.01%  | 0.002% |
| 96  | 13.315 | 3795 | 3802 | 3811 | rVB3 | 3029   | 4270   | 0.47%  | 0.066% |
| 97  | 13.556 | 3868 | 3877 | 3891 | rBV2 | 3700   | 5626   | 0.61%  | 0.086% |
| 98  | 13.794 | 3945 | 3951 | 3963 | rVB4 | 5934   | 8562   | 0.93%  | 0.132% |
| 99  | 14.212 | 4077 | 4081 | 4083 | rBV2 | 447    | 339    | 0.04%  | 0.005% |
| 100 | 14.694 | 4227 | 4231 | 4237 | rBV  | 415    | 558    | 0.06%  | 0.009% |

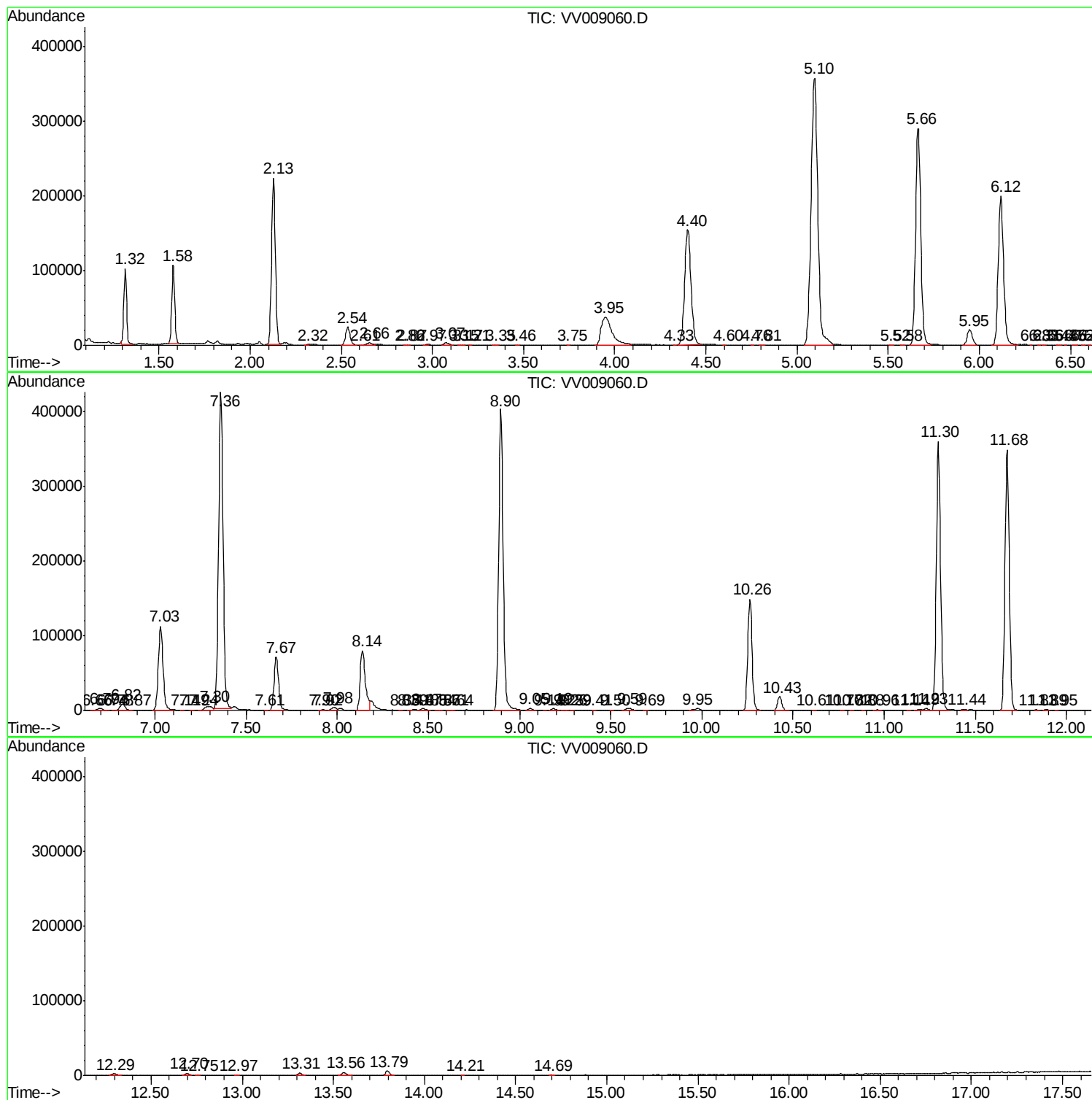
Sum of corrected areas: 6511010

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VBLK73

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_V\DATA\VV121918\  
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Instrument :  
MSV0A\_V  
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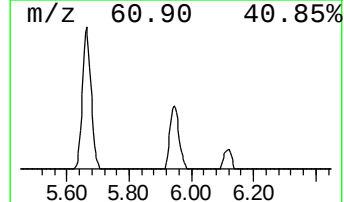
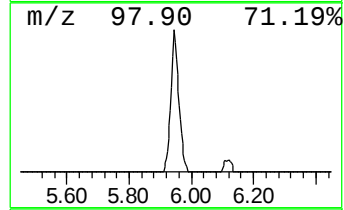
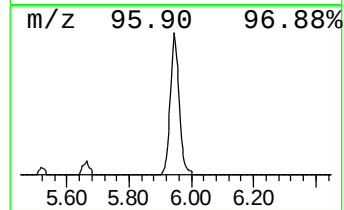
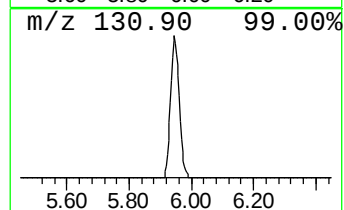
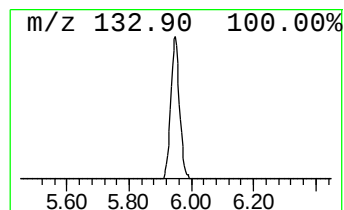
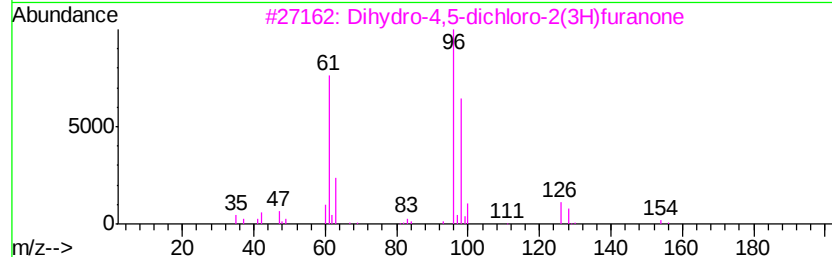
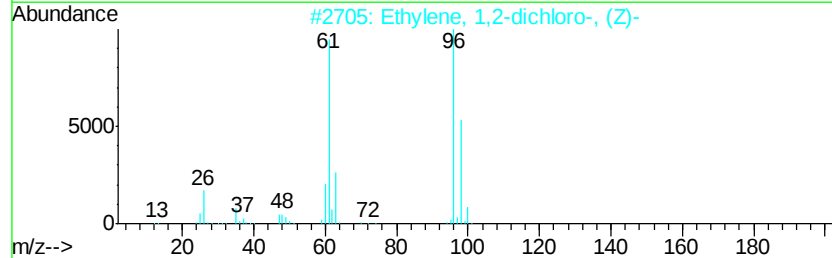
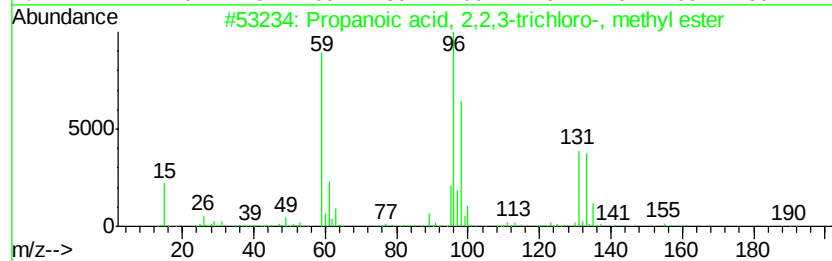
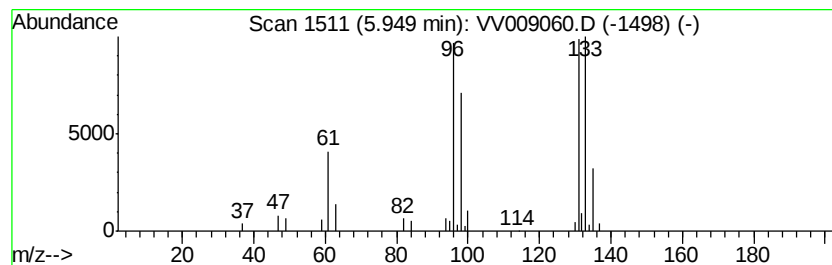
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_V\METHOD\SOM2VLM120618S.M  
Quant Title : VOC Analysis

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

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

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.95 | 1.77 ug/L | 41123 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 56   |
| 2    |    | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 43   |
| 3    |    | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 38   |
| 4    |    | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 32   |
| 5    |    | Carbamic acid, acetylthio-, O-me... | 133 | C4H7NO2S  | 016696-87-0 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | ---Internal Standard--- |      |        |      |
|----------------------|------|---------|-------|----------|-------------------------|------|--------|------|
|                      |      |         |       |          | #                       | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.95 | 1.8     | ug/L  | 41123    | 1                       | 5.67 | 580070 | 25.0 |