

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082420\  
 Data File : VV018086.D  
 Acq On : 24 Aug 2020 15:31  
 Operator : SY/MD  
 Sample : L3767-15  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK02

## 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\SOMVLM081120WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.315    | 62         | 70       | 82        | rVB   | 155708      | 158097     | 15.02%       | 1.996%     |
| 2      | 1.576    | 143        | 151      | 169       | rBV   | 133448      | 152694     | 14.51%       | 1.928%     |
| 3      | 2.119    | 310        | 320      | 349       | rVB   | 271844      | 415082     | 39.44%       | 5.240%     |
| 4      | 2.302    | 373        | 377      | 378       | rBV2  | 727         | 428        | 0.04%        | 0.005%     |
| 5      | 2.463    | 422        | 427      | 429       | rBV   | 313         | 284        | 0.03%        | 0.004%     |
| 6      | 2.524    | 437        | 446      | 459       | rVB   | 3878        | 6354       | 0.60%        | 0.080%     |
| 7      | 2.782    | 522        | 526      | 530       | rBV3  | 569         | 578        | 0.05%        | 0.007%     |
| 8      | 2.836    | 540        | 543      | 546       | rBV   | 123         | 82         | 0.01%        | 0.001%     |
| 9      | 2.955    | 575        | 580      | 583       | rBV2  | 124         | 138        | 0.01%        | 0.002%     |
| 10     | 3.026    | 599        | 602      | 604       | rBV2  | 77          | 52         | 0.00%        | 0.001%     |
| 11     | 3.212    | 656        | 660      | 666       | rBV   | 199         | 254        | 0.02%        | 0.003%     |
| 12     | 3.312    | 686        | 691      | 694       | rBV   | 218         | 220        | 0.02%        | 0.003%     |
| 13     | 3.402    | 715        | 719      | 721       | rBV   | 119         | 89         | 0.01%        | 0.001%     |
| 14     | 3.518    | 752        | 755      | 759       | rBV2  | 82          | 60         | 0.01%        | 0.001%     |
| 15     | 3.653    | 794        | 797      | 800       | rVB2  | 140         | 79         | 0.01%        | 0.001%     |
| 16     | 3.691    | 804        | 809      | 812       | rBV   | 149         | 132        | 0.01%        | 0.002%     |
| 17     | 3.907    | 865        | 876      | 916       | rBV   | 67339       | 197783     | 18.79%       | 2.497%     |
| 18     | 4.257    | 983        | 985      | 988       | rBV   | 121         | 85         | 0.01%        | 0.001%     |
| 19     | 4.373    | 1003       | 1021     | 1052      | rBV   | 165429      | 416472     | 39.57%       | 5.258%     |
| 20     | 4.479    | 1052       | 1054     | 1059      | rVV3  | 449         | 356        | 0.03%        | 0.004%     |
| 21     | 4.518    | 1063       | 1066     | 1068      | rBV   | 313         | 180        | 0.02%        | 0.002%     |
| 22     | 4.595    | 1087       | 1090     | 1092      | rVB2  | 124         | 75         | 0.01%        | 0.001%     |
| 23     | 4.611    | 1092       | 1095     | 1098      | rBV2  | 136         | 93         | 0.01%        | 0.001%     |
| 24     | 4.634    | 1098       | 1102     | 1108      | rVB3  | 193         | 150        | 0.01%        | 0.002%     |
| 25     | 4.691    | 1115       | 1120     | 1121      | rBV   | 412         | 306        | 0.03%        | 0.004%     |
| 26     | 4.855    | 1163       | 1171     | 1174      | rBV4  | 319         | 354        | 0.03%        | 0.004%     |
| 27     | 4.891    | 1179       | 1182     | 1186      | rBV   | 87          | 96         | 0.01%        | 0.001%     |
| 28     | 4.971    | 1205       | 1207     | 1210      | rBV   | 67          | 51         | 0.00%        | 0.001%     |
| 29     | 5.068    | 1219       | 1237     | 1268      | rBV2  | 415770      | 1052377    | 100.00%      | 13.285%    |
| 30     | 5.360    | 1324       | 1328     | 1331      | rBV   | 144         | 118        | 0.01%        | 0.001%     |
| 31     | 5.582    | 1394       | 1397     | 1401      | rVB2  | 87          | 67         | 0.01%        | 0.001%     |
| 32     | 5.640    | 1401       | 1415     | 1450      | rBV   | 321073      | 638637     | 60.69%       | 8.062%     |
| 33     | 5.759    | 1450       | 1452     | 1454      | rBV2  | 362         | 203        | 0.02%        | 0.003%     |
| 34     | 5.926    | 1493       | 1504     | 1521      | rBV2  | 16473       | 33706      | 3.20%        | 0.426%     |

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 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 6.013 | 1526 | 1531 | 1533 | rBV2 | 71     | 75     | 0.01%  | 0.001%  |
| 36 | 6.042 | 1537 | 1540 | 1542 | rBV  | 145    | 102    | 0.01%  | 0.001%  |
| 37 | 6.090 | 1542 | 1555 | 1586 | rBV  | 232461 | 472885 | 44.93% | 5.970%  |
| 38 | 6.273 | 1608 | 1612 | 1615 | rVB2 | 155    | 101    | 0.01%  | 0.001%  |
| 39 | 6.431 | 1658 | 1661 | 1666 | rVB  | 195    | 165    | 0.02%  | 0.002%  |
| 40 | 6.466 | 1666 | 1672 | 1681 | rBV2 | 178    | 346    | 0.03%  | 0.004%  |
| 41 | 6.502 | 1681 | 1683 | 1685 | rVV  | 95     | 48     | 0.00%  | 0.001%  |
| 42 | 6.534 | 1689 | 1693 | 1698 | rBV2 | 256    | 274    | 0.03%  | 0.003%  |
| 43 | 6.646 | 1726 | 1728 | 1730 | rBV2 | 136    | 78     | 0.01%  | 0.001%  |
| 44 | 6.701 | 1743 | 1745 | 1750 | rVB3 | 160    | 134    | 0.01%  | 0.002%  |
| 45 | 6.781 | 1768 | 1770 | 1772 | rBV  | 86     | 52     | 0.00%  | 0.001%  |
| 46 | 6.859 | 1791 | 1794 | 1796 | rBV  | 109    | 72     | 0.01%  | 0.001%  |
| 47 | 6.875 | 1796 | 1799 | 1801 | rVV  | 139    | 80     | 0.01%  | 0.001%  |
| 48 | 6.926 | 1812 | 1815 | 1818 | rBV2 | 84     | 74     | 0.01%  | 0.001%  |
| 49 | 7.006 | 1828 | 1840 | 1864 | rBV  | 125913 | 226244 | 21.50% | 2.856%  |
| 50 | 7.219 | 1904 | 1906 | 1910 | rVB3 | 340    | 220    | 0.02%  | 0.003%  |
| 51 | 7.238 | 1910 | 1912 | 1913 | rBV3 | 135    | 54     | 0.01%  | 0.001%  |
| 52 | 7.257 | 1915 | 1918 | 1919 | rBV2 | 190    | 96     | 0.01%  | 0.001%  |
| 53 | 7.338 | 1930 | 1943 | 1966 | rBV  | 488297 | 828497 | 78.73% | 10.459% |
| 54 | 7.521 | 1996 | 2000 | 2004 | rBV2 | 355    | 285    | 0.03%  | 0.004%  |
| 55 | 7.598 | 2021 | 2024 | 2026 | rBV  | 123    | 90     | 0.01%  | 0.001%  |
| 56 | 7.640 | 2026 | 2037 | 2063 | rBV  | 90908  | 157637 | 14.98% | 1.990%  |
| 57 | 7.785 | 2078 | 2082 | 2086 | rBV4 | 187    | 215    | 0.02%  | 0.003%  |
| 58 | 7.804 | 2086 | 2088 | 2092 | rVB2 | 262    | 143    | 0.01%  | 0.002%  |
| 59 | 7.900 | 2115 | 2118 | 2119 | rBV  | 102    | 58     | 0.01%  | 0.001%  |
| 60 | 7.961 | 2132 | 2137 | 2141 | rBV2 | 301    | 252    | 0.02%  | 0.003%  |
| 61 | 8.003 | 2147 | 2150 | 2152 | rBV3 | 377    | 251    | 0.02%  | 0.003%  |
| 62 | 8.106 | 2172 | 2182 | 2218 | rBV2 | 182807 | 358904 | 34.10% | 4.531%  |
| 63 | 8.408 | 2274 | 2276 | 2278 | rBV  | 192    | 122    | 0.01%  | 0.002%  |
| 64 | 8.428 | 2278 | 2282 | 2283 | rBV2 | 404    | 223    | 0.02%  | 0.003%  |
| 65 | 8.527 | 2311 | 2313 | 2320 | rVB2 | 252    | 187    | 0.02%  | 0.002%  |
| 66 | 8.627 | 2340 | 2344 | 2346 | rBV2 | 140    | 116    | 0.01%  | 0.001%  |
| 67 | 8.659 | 2351 | 2354 | 2359 | rBV2 | 107    | 98     | 0.01%  | 0.001%  |
| 68 | 8.698 | 2363 | 2366 | 2368 | rBV2 | 114    | 71     | 0.01%  | 0.001%  |
| 69 | 8.820 | 2400 | 2404 | 2407 | rBV  | 129    | 97     | 0.01%  | 0.001%  |
| 70 | 8.871 | 2408 | 2420 | 2451 | rBV  | 496611 | 802317 | 76.24% | 10.129% |
| 71 | 9.042 | 2470 | 2473 | 2476 | rBV2 | 503    | 355    | 0.03%  | 0.004%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.174  | 2506 | 2514 | 2517 | rBV2 | 570    | 788    | 0.07%  | 0.010% |
| 73  | 9.254  | 2537 | 2539 | 2543 | rVB2 | 110    | 63     | 0.01%  | 0.001% |
| 74  | 9.431  | 2590 | 2594 | 2598 | rBV2 | 130    | 152    | 0.01%  | 0.002% |
| 75  | 9.524  | 2620 | 2623 | 2626 | rBV2 | 134    | 87     | 0.01%  | 0.001% |
| 76  | 9.572  | 2633 | 2638 | 2643 | rVB3 | 380    | 355    | 0.03%  | 0.004% |
| 77  | 9.698  | 2673 | 2677 | 2681 | rVB2 | 196    | 180    | 0.02%  | 0.002% |
| 78  | 9.897  | 2736 | 2739 | 2743 | rBV  | 121    | 104    | 0.01%  | 0.001% |
| 79  | 9.955  | 2751 | 2757 | 2766 | rVB3 | 690    | 1098   | 0.10%  | 0.014% |
| 80  | 10.013 | 2766 | 2775 | 2777 | rBV2 | 231    | 359    | 0.03%  | 0.005% |
| 81  | 10.183 | 2825 | 2828 | 2833 | rBV2 | 200    | 204    | 0.02%  | 0.003% |
| 82  | 10.235 | 2833 | 2844 | 2867 | rVV  | 284525 | 442787 | 42.07% | 5.590% |
| 83  | 10.537 | 2935 | 2938 | 2941 | rBV2 | 142    | 101    | 0.01%  | 0.001% |
| 84  | 10.566 | 2941 | 2947 | 2953 | rVB3 | 295    | 508    | 0.05%  | 0.006% |
| 85  | 10.801 | 3017 | 3020 | 3025 | rBV2 | 150    | 148    | 0.01%  | 0.002% |
| 86  | 11.270 | 3155 | 3166 | 3194 | rBV  | 497233 | 763793 | 72.58% | 9.642% |
| 87  | 11.460 | 3221 | 3225 | 3231 | rVB2 | 315    | 246    | 0.02%  | 0.003% |
| 88  | 11.646 | 3271 | 3283 | 3303 | rBV  | 504166 | 781273 | 74.24% | 9.863% |
| 89  | 11.839 | 3340 | 3343 | 3348 | rVB2 | 304    | 223    | 0.02%  | 0.003% |
| 90  | 11.862 | 3348 | 3350 | 3352 | rBV2 | 138    | 55     | 0.01%  | 0.001% |
| 91  | 12.038 | 3403 | 3405 | 3408 | rVB2 | 199    | 111    | 0.01%  | 0.001% |
| 92  | 12.665 | 3598 | 3600 | 3601 | rBV  | 306    | 163    | 0.02%  | 0.002% |
| 93  | 12.858 | 3657 | 3660 | 3662 | rBV  | 250    | 149    | 0.01%  | 0.002% |
| 94  | 13.283 | 3790 | 3792 | 3793 | rBV  | 294    | 162    | 0.02%  | 0.002% |
| 95  | 13.476 | 3849 | 3852 | 3857 | rBV2 | 232    | 173    | 0.02%  | 0.002% |
| 96  | 13.662 | 3908 | 3910 | 3911 | rBV2 | 229    | 107    | 0.01%  | 0.001% |
| 97  | 13.778 | 3940 | 3946 | 3950 | rBV2 | 471    | 672    | 0.06%  | 0.008% |
| 98  | 13.887 | 3978 | 3980 | 3986 | rVB2 | 269    | 159    | 0.02%  | 0.002% |
| 99  | 13.913 | 3986 | 3988 | 3989 | rBV  | 226    | 76     | 0.01%  | 0.001% |
| 100 | 14.688 | 4225 | 4229 | 4232 | rBV2 | 320    | 327    | 0.03%  | 0.004% |

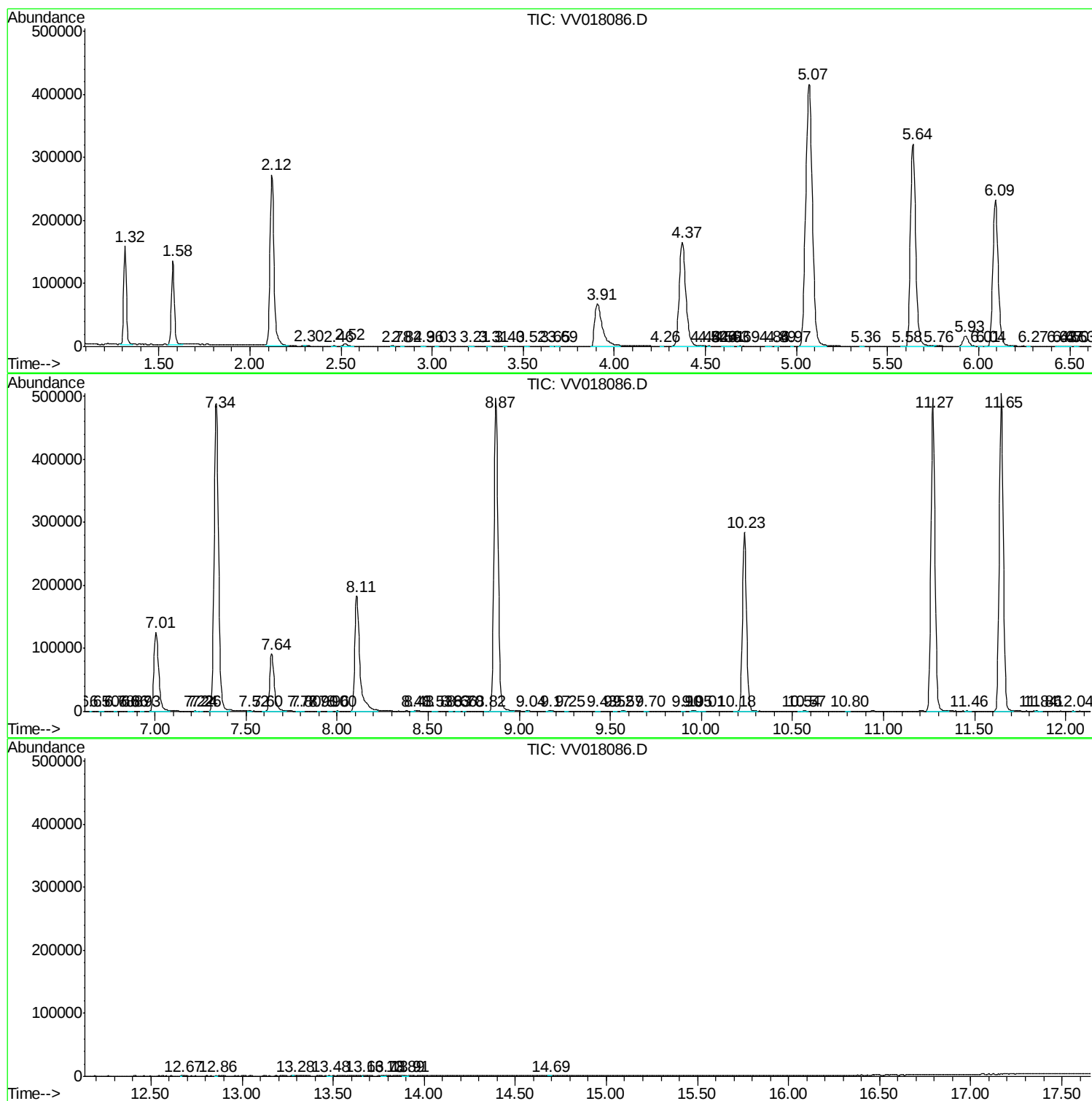
Sum of corrected areas: 7921373

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis

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



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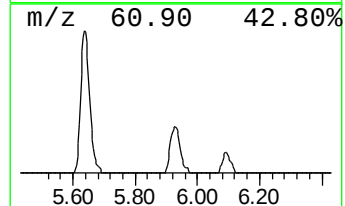
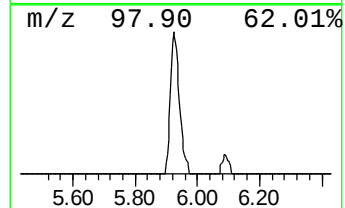
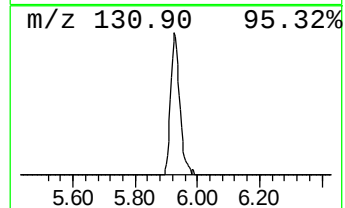
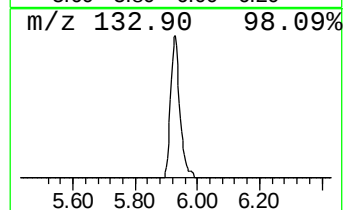
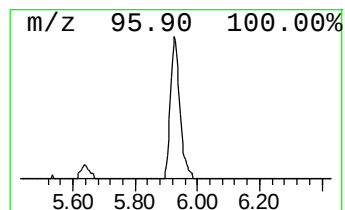
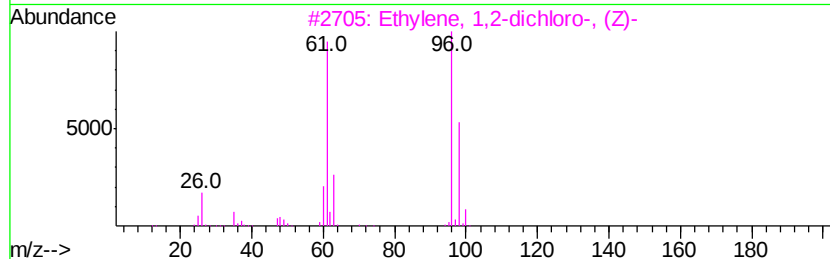
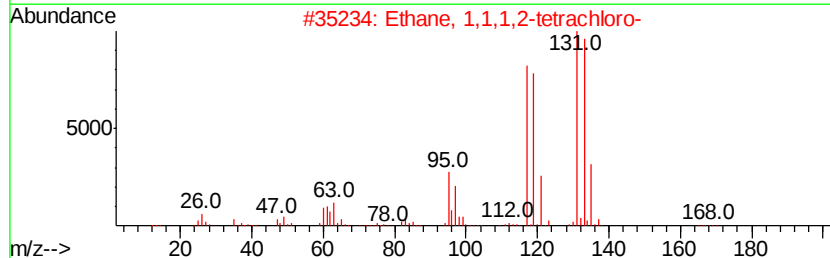
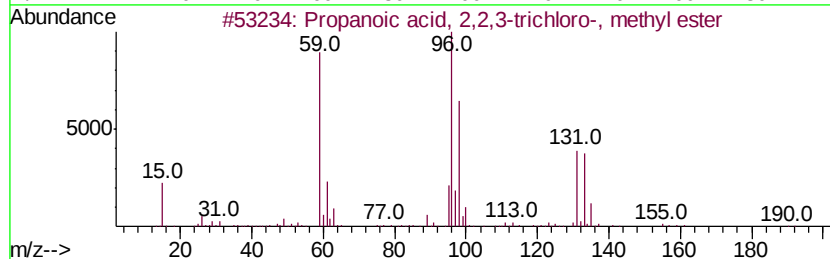
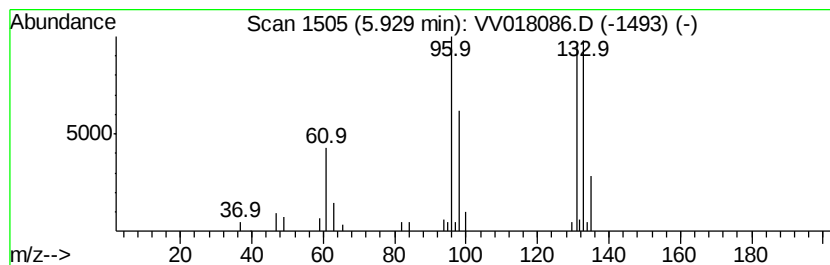
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Quant Title : VOC Analysis

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

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

| R.T.      | EstConc                            | Area  | Relative to ISTD    | R.T.        |      |
|-----------|------------------------------------|-------|---------------------|-------------|------|
| 5.93      | 2.64 ug/L                          | 33706 | 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 | 56   |
| 2         | Ethane, 1,1,1,2-tetrachloro-       | 166   | C2H2Cl4             | 000630-20-6 | 43   |
| 3         | Ethylene, 1,2-dichloro-, (Z)-      | 96    | C2H2Cl2             | 000156-59-2 | 38   |
| 4         | Dihydro-4,5-dichloro-2(3H)furanone | 154   | C4H4Cl2O2           | 114434-99-0 | 25   |
| 5         | Benzonitrile, 4-methoxy-           | 133   | C8H7NO              | 000874-90-8 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.93 | 2.6     | ug/L  | 33706    | 1                     | 5.64 | 638637 | 50.0 |