

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\  
 Data File : VW017252.D  
 Acq On : 16 Nov 2020 13:23  
 Operator : SY/VA  
 Sample : L4739-08  
 Misc : 5.68G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Z5

## 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\_W\METHOD\SOM2WLM110420S.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      | 2.154    | 38         | 41       | 43        | rBV   | 1365        | 1611       | 0.12%        | 0.014%     |
| 2      | 2.355    | 68         | 74       | 86        | rVB   | 90765       | 167675     | 12.46%       | 1.452%     |
| 3      | 2.495    | 92         | 97       | 106       | rBV   | 9419        | 20180      | 1.50%        | 0.175%     |
| 4      | 2.892    | 155        | 162      | 180       | rVB   | 68129       | 163383     | 12.14%       | 1.415%     |
| 5      | 3.288    | 225        | 227      | 230       | rBV2  | 172         | 190        | 0.01%        | 0.002%     |
| 6      | 3.385    | 238        | 243      | 251       | rVB4  | 2023        | 4822       | 0.36%        | 0.042%     |
| 7      | 3.465    | 255        | 256      | 258       | rVB   | 286         | 159        | 0.01%        | 0.001%     |
| 8      | 3.489    | 258        | 260      | 262       | rBV2  | 242         | 284        | 0.02%        | 0.002%     |
| 9      | 3.647    | 284        | 286      | 290       | rBV2  | 190         | 206        | 0.02%        | 0.002%     |
| 10     | 3.727    | 294        | 299      | 301       | rBV3  | 456         | 889        | 0.07%        | 0.008%     |
| 11     | 3.769    | 304        | 306      | 311       | rVB3  | 296         | 357        | 0.03%        | 0.003%     |
| 12     | 3.824    | 313        | 315      | 317       | rVB   | 326         | 234        | 0.02%        | 0.002%     |
| 13     | 3.849    | 317        | 319      | 320       | rBV   | 231         | 205        | 0.02%        | 0.002%     |
| 14     | 4.019    | 336        | 347      | 360       | rBV   | 158162      | 477945     | 35.52%       | 4.139%     |
| 15     | 4.403    | 401        | 410      | 411       | rBV2  | 2124        | 3748       | 0.28%        | 0.032%     |
| 16     | 4.568    | 435        | 437      | 440       | rBV2  | 260         | 382        | 0.03%        | 0.003%     |
| 17     | 4.599    | 440        | 442      | 445       | rVB2  | 151         | 156        | 0.01%        | 0.001%     |
| 18     | 4.672    | 446        | 454      | 455       | rBV3  | 882         | 1350       | 0.10%        | 0.012%     |
| 19     | 4.818    | 472        | 478      | 481       | rBV2  | 278         | 482        | 0.04%        | 0.004%     |
| 20     | 4.922    | 485        | 495      | 508       | rVV4  | 4178        | 14480      | 1.08%        | 0.125%     |
| 21     | 5.117    | 524        | 527      | 528       | rBV3  | 320         | 403        | 0.03%        | 0.003%     |
| 22     | 5.635    | 611        | 612      | 614       | rBV2  | 180         | 161        | 0.01%        | 0.001%     |
| 23     | 5.781    | 631        | 636      | 644       | rVV4  | 1226        | 3319       | 0.25%        | 0.029%     |
| 24     | 5.928    | 653        | 660      | 661       | rBV4  | 1897        | 2531       | 0.19%        | 0.022%     |
| 25     | 6.110    | 685        | 690      | 691       | rBV2  | 667         | 931        | 0.07%        | 0.008%     |
| 26     | 6.306    | 721        | 722      | 725       | rVB   | 268         | 175        | 0.01%        | 0.002%     |
| 27     | 6.342    | 725        | 728      | 729       | rBV2  | 128         | 168        | 0.01%        | 0.001%     |
| 28     | 6.379    | 732        | 734      | 735       | rVB   | 229         | 152        | 0.01%        | 0.001%     |
| 29     | 6.665    | 780        | 781      | 784       | rBV2  | 201         | 207        | 0.02%        | 0.002%     |
| 30     | 6.903    | 810        | 820      | 821       | rBV3  | 3258        | 6222       | 0.46%        | 0.054%     |
| 31     | 7.080    | 840        | 849      | 856       | rBV2  | 32664       | 94608      | 7.03%        | 0.819%     |
| 32     | 7.409    | 901        | 903      | 905       | rBV   | 254         | 153        | 0.01%        | 0.001%     |
| 33     | 7.653    | 931        | 943      | 958       | rBV   | 240655      | 598061     | 44.44%       | 5.179%     |
| 34     | 7.878    | 978        | 980      | 983       | rBV2  | 182         | 220        | 0.02%        | 0.002%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 7.921  | 986  | 987  | 988  | rVV  | 326    | 213     | 0.02%   | 0.002%  |
| 36 | 7.952  | 988  | 992  | 997  | rVB3 | 872    | 1505    | 0.11%   | 0.013%  |
| 37 | 8.019  | 1001 | 1003 | 1005 | rBV2 | 181    | 181     | 0.01%   | 0.002%  |
| 38 | 8.159  | 1023 | 1026 | 1028 | rBV  | 131    | 166     | 0.01%   | 0.001%  |
| 39 | 8.275  | 1035 | 1045 | 1062 | rBV2 | 454924 | 1345745 | 100.00% | 11.654% |
| 40 | 8.512  | 1082 | 1084 | 1085 | rBV2 | 417    | 264     | 0.02%   | 0.002%  |
| 41 | 8.555  | 1085 | 1091 | 1098 | rVV4 | 4901   | 10656   | 0.79%   | 0.092%  |
| 42 | 8.622  | 1100 | 1102 | 1104 | rVB  | 372    | 257     | 0.02%   | 0.002%  |
| 43 | 8.708  | 1110 | 1116 | 1124 | rVB4 | 4823   | 10309   | 0.77%   | 0.089%  |
| 44 | 8.769  | 1124 | 1126 | 1127 | rVB2 | 259    | 185     | 0.01%   | 0.002%  |
| 45 | 8.842  | 1129 | 1138 | 1152 | rBV  | 529787 | 1066847 | 79.28%  | 9.238%  |
| 46 | 8.939  | 1152 | 1154 | 1159 | rVB2 | 630    | 635     | 0.05%   | 0.005%  |
| 47 | 8.994  | 1162 | 1163 | 1165 | rVB2 | 314    | 186     | 0.01%   | 0.002%  |
| 48 | 9.049  | 1167 | 1172 | 1173 | rBV2 | 1349   | 1991    | 0.15%   | 0.017%  |
| 49 | 9.207  | 1197 | 1198 | 1200 | rBV  | 214    | 169     | 0.01%   | 0.001%  |
| 50 | 9.275  | 1200 | 1209 | 1218 | rBV  | 306875 | 617777  | 45.91%  | 5.350%  |
| 51 | 9.415  | 1225 | 1232 | 1239 | rVB  | 12845  | 25245   | 1.88%   | 0.219%  |
| 52 | 9.537  | 1250 | 1252 | 1256 | rVB2 | 179    | 214     | 0.02%   | 0.002%  |
| 53 | 9.659  | 1267 | 1272 | 1278 | rVB4 | 1717   | 3114    | 0.23%   | 0.027%  |
| 54 | 9.787  | 1291 | 1293 | 1298 | rBV  | 180    | 234     | 0.02%   | 0.002%  |
| 55 | 9.957  | 1318 | 1321 | 1324 | rBV2 | 258    | 306     | 0.02%   | 0.003%  |
| 56 | 10.037 | 1327 | 1334 | 1345 | rBV  | 174106 | 311762  | 23.17%  | 2.700%  |
| 57 | 10.159 | 1351 | 1354 | 1362 | rVB2 | 2942   | 5030    | 0.37%   | 0.044%  |
| 58 | 10.323 | 1370 | 1381 | 1389 | rBV  | 690562 | 1225499 | 91.06%  | 10.612% |
| 59 | 10.469 | 1403 | 1405 | 1407 | rBV2 | 221    | 199     | 0.01%   | 0.002%  |
| 60 | 10.506 | 1408 | 1411 | 1415 | rVB3 | 1008   | 1293    | 0.10%   | 0.011%  |
| 61 | 10.579 | 1415 | 1423 | 1430 | rBV  | 111827 | 191094  | 14.20%  | 1.655%  |
| 62 | 10.707 | 1437 | 1444 | 1455 | rVB  | 116827 | 204403  | 15.19%  | 1.770%  |
| 63 | 10.823 | 1461 | 1463 | 1465 | rBV  | 176    | 179     | 0.01%   | 0.002%  |
| 64 | 10.860 | 1465 | 1469 | 1473 | rVB3 | 523    | 828     | 0.06%   | 0.007%  |
| 65 | 10.927 | 1473 | 1480 | 1495 | rBV  | 141443 | 238343  | 17.71%  | 2.064%  |
| 66 | 11.073 | 1497 | 1504 | 1512 | rBV  | 118703 | 189843  | 14.11%  | 1.644%  |
| 67 | 11.201 | 1523 | 1525 | 1528 | rBV  | 333    | 402     | 0.03%   | 0.003%  |
| 68 | 11.268 | 1533 | 1536 | 1538 | rBV2 | 248    | 239     | 0.02%   | 0.002%  |
| 69 | 11.488 | 1568 | 1572 | 1574 | rBV2 | 146    | 193     | 0.01%   | 0.002%  |
| 70 | 11.506 | 1574 | 1575 | 1578 | rVB2 | 222    | 182     | 0.01%   | 0.002%  |
| 71 | 11.573 | 1582 | 1586 | 1588 | rBV  | 521    | 673     | 0.05%   | 0.006%  |

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Filtering: 5  
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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 11.634 | 1588 | 1596 | 1608 | rBV  | 764457 | 1268736 | 94.28% | 10.987% |
| 73  | 11.841 | 1625 | 1630 | 1639 | rBV6 | 6728   | 15036   | 1.12%  | 0.130%  |
| 74  | 12.164 | 1678 | 1683 | 1688 | rBV3 | 706    | 1451    | 0.11%  | 0.013%  |
| 75  | 12.268 | 1698 | 1700 | 1702 | rVB2 | 334    | 275     | 0.02%  | 0.002%  |
| 76  | 12.341 | 1705 | 1712 | 1718 | rBV2 | 14779  | 24971   | 1.86%  | 0.216%  |
| 77  | 12.439 | 1725 | 1728 | 1729 | rBV  | 377    | 333     | 0.02%  | 0.003%  |
| 78  | 12.506 | 1737 | 1739 | 1742 | rBV2 | 320    | 379     | 0.03%  | 0.003%  |
| 79  | 12.609 | 1748 | 1756 | 1763 | rBV2 | 235327 | 400257  | 29.74% | 3.466%  |
| 80  | 12.695 | 1763 | 1770 | 1777 | rVV  | 247800 | 409481  | 30.43% | 3.546%  |
| 81  | 12.853 | 1794 | 1796 | 1798 | rBV2 | 472    | 455     | 0.03%  | 0.004%  |
| 82  | 12.890 | 1799 | 1802 | 1803 | rVV  | 1312   | 1428    | 0.11%  | 0.012%  |
| 83  | 12.932 | 1806 | 1809 | 1816 | rVB4 | 2749   | 5284    | 0.39%  | 0.046%  |
| 84  | 13.054 | 1824 | 1829 | 1833 | rBV3 | 2445   | 3446    | 0.26%  | 0.030%  |
| 85  | 13.103 | 1833 | 1837 | 1839 | rBV4 | 728    | 1175    | 0.09%  | 0.010%  |
| 86  | 13.195 | 1850 | 1852 | 1855 | rBV2 | 570    | 488     | 0.04%  | 0.004%  |
| 87  | 13.280 | 1855 | 1866 | 1875 | rVB6 | 4016   | 11502   | 0.85%  | 0.100%  |
| 88  | 13.396 | 1880 | 1885 | 1894 | rBV2 | 12025  | 19512   | 1.45%  | 0.169%  |
| 89  | 13.560 | 1905 | 1912 | 1922 | rBV  | 723884 | 1150827 | 85.52% | 9.966%  |
| 90  | 13.652 | 1923 | 1927 | 1933 | rVB  | 6235   | 9602    | 0.71%  | 0.083%  |
| 91  | 13.804 | 1951 | 1952 | 1953 | rBV  | 387    | 219     | 0.02%  | 0.002%  |
| 92  | 13.853 | 1953 | 1960 | 1973 | rVB  | 592848 | 957591  | 71.16% | 8.292%  |
| 93  | 14.072 | 1984 | 1996 | 2004 | rBV  | 116616 | 187596  | 13.94% | 1.624%  |
| 94  | 14.328 | 2033 | 2038 | 2050 | rVB3 | 8396   | 14156   | 1.05%  | 0.123%  |
| 95  | 14.463 | 2058 | 2060 | 2061 | rVB  | 627    | 300     | 0.02%  | 0.003%  |
| 96  | 14.530 | 2067 | 2071 | 2077 | rVB5 | 1044   | 1879    | 0.14%  | 0.016%  |
| 97  | 14.725 | 2099 | 2103 | 2106 | rBV3 | 718    | 1070    | 0.08%  | 0.009%  |
| 98  | 15.054 | 2155 | 2157 | 2158 | rBV2 | 712    | 394     | 0.03%  | 0.003%  |
| 99  | 15.182 | 2175 | 2178 | 2183 | rVB3 | 1167   | 1937    | 0.14%  | 0.017%  |
| 100 | 15.493 | 2223 | 2229 | 2237 | rBV  | 20315  | 35756   | 2.66%  | 0.310%  |

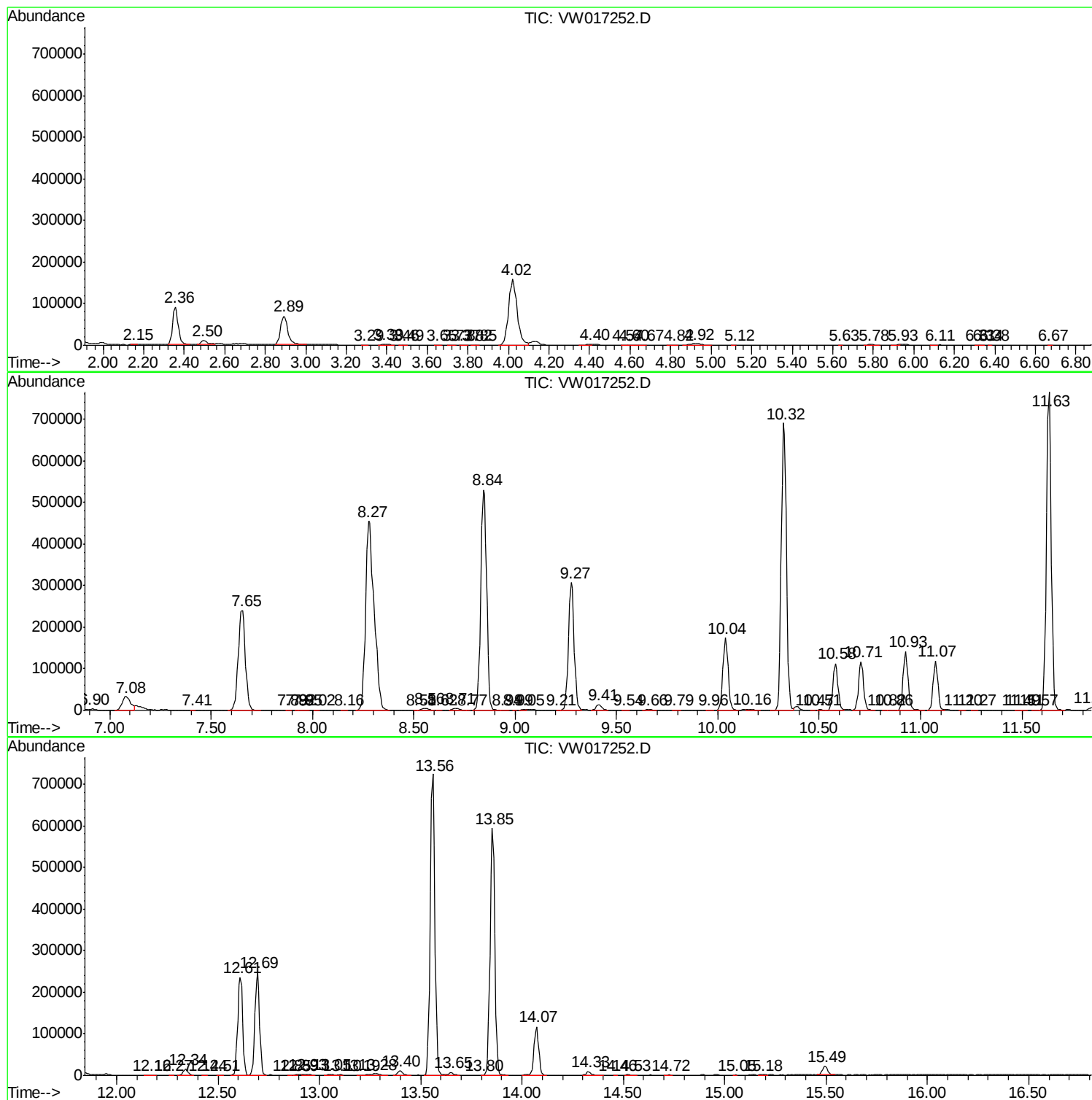
Sum of corrected areas: 11547946

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111620\  
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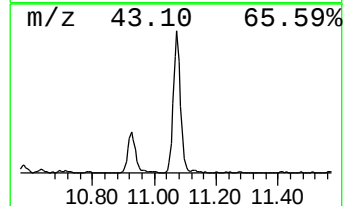
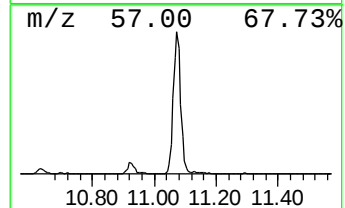
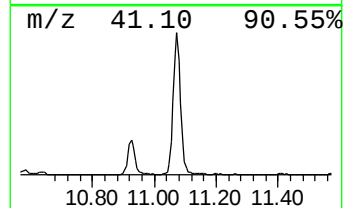
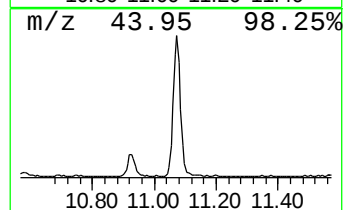
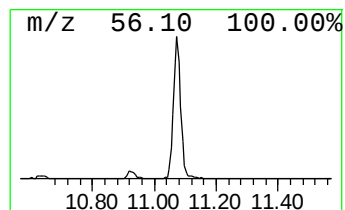
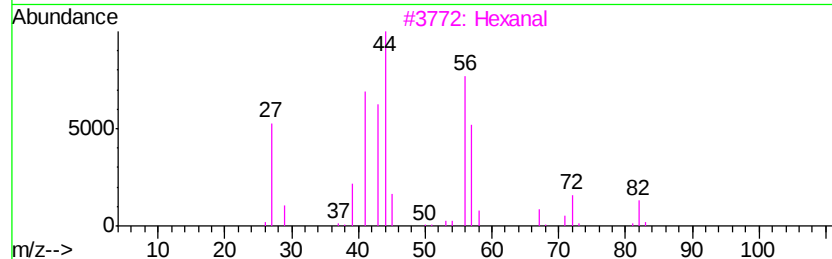
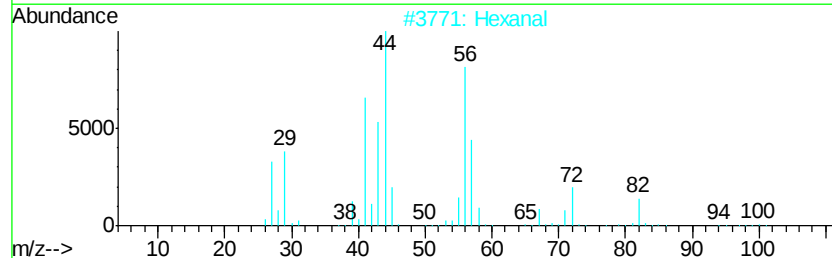
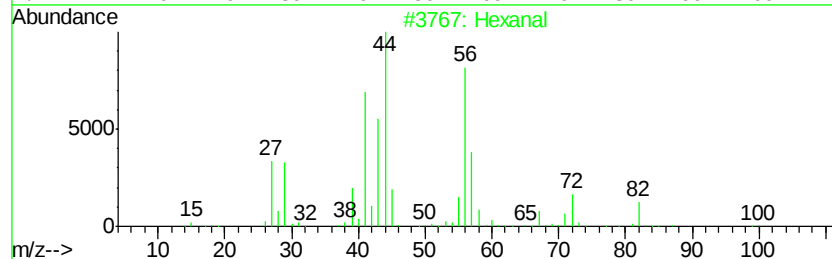
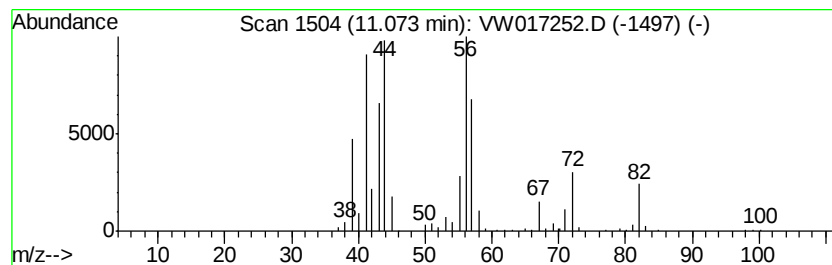
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Hexanal Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD | R.T.  |
|-------|-----------|--------|------------------|-------|
| 11.07 | 3.74 ug/L | 189843 | Chlorobenzene-d5 | 11.63 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Hexanal            |              | 100 | C6H12O  | 000066-25-1 | 81   |
| 2       | Hexanal            |              | 100 | C6H12O  | 000066-25-1 | 74   |
| 3       | Hexanal            |              | 100 | C6H12O  | 000066-25-1 | 53   |
| 4       | Hexanal            |              | 100 | C6H12O  | 000066-25-1 | 38   |
| 5       | Butanal, 3-methyl- |              | 86  | C5H10O  | 000590-86-3 | 38   |



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TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Hexanal          | 11.07 | 3.7     | ug/L  | 189843   | 2                     | 11.63 | 1268740 | 25.0 |