

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040821\  
 Data File : VW018599.D  
 Acq On : 08 Apr 2021 13:32  
 Operator : SY/VA  
 Sample : M1968-06  
 Misc : 5.58G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG5B0

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M

Title : VOC Analysis

Signal : TIC: VW018599.D\data.ms

| 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         | 2.361       | 69            | 75          | 86           | rVB2     | 110425         | 230342        | 18.79%          | 2.465%        |
| 2         | 2.891       | 157           | 162         | 174          | rVB      | 69839          | 170847        | 13.94%          | 1.828%        |
| 3         | 3.300       | 228           | 229         | 232          | rBV2     | 1128           | 843           | 0.07%           | 0.009%        |
| 4         | 3.629       | 281           | 283         | 285          | rVV2     | 575            | 559           | 0.05%           | 0.006%        |
| 5         | 3.739       | 299           | 301         | 305          | rVB2     | 839            | 871           | 0.07%           | 0.009%        |
| 6         | 3.879       | 321           | 324         | 325          | rBV3     | 722            | 842           | 0.07%           | 0.009%        |
| 7         | 4.025       | 334           | 348         | 361          | rBV      | 121771         | 387288        | 31.59%          | 4.145%        |
| 8         | 4.263       | 383           | 387         | 389          | rBV3     | 697            | 664           | 0.05%           | 0.007%        |
| 9         | 4.391       | 396           | 408         | 426          | rBV3     | 15092          | 58016         | 4.73%           | 0.621%        |
| 10        | 4.604       | 442           | 443         | 445          | rBV3     | 815            | 585           | 0.05%           | 0.006%        |
| 11        | 4.641       | 448           | 449         | 452          | rBV2     | 662            | 469           | 0.04%           | 0.005%        |
| 12        | 4.915       | 483           | 494         | 511          | rVB2     | 15293          | 59094         | 4.82%           | 0.632%        |
| 13        | 5.153       | 531           | 533         | 536          | rVB3     | 552            | 389           | 0.03%           | 0.004%        |
| 14        | 5.391       | 571           | 572         | 574          | rBV      | 522            | 458           | 0.04%           | 0.005%        |
| 15        | 5.415       | 574           | 576         | 577          | rBV2     | 481            | 344           | 0.03%           | 0.004%        |
| 16        | 5.635       | 608           | 612         | 614          | rBV2     | 405            | 597           | 0.05%           | 0.006%        |
| 17        | 5.696       | 620           | 622         | 625          | rBV3     | 360            | 485           | 0.04%           | 0.005%        |
| 18        | 5.751       | 625           | 631         | 632          | rBV4     | 1530           | 1915          | 0.16%           | 0.020%        |
| 19        | 5.897       | 652           | 655         | 656          | rBV2     | 441            | 435           | 0.04%           | 0.005%        |
| 20        | 5.940       | 656           | 662         | 669          | rVV6     | 5007           | 13670         | 1.12%           | 0.146%        |
| 21        | 6.025       | 674           | 676         | 679          | rVB3     | 354            | 343           | 0.03%           | 0.004%        |
| 22        | 6.055       | 679           | 681         | 684          | rVB      | 450            | 439           | 0.04%           | 0.005%        |
| 23        | 6.086       | 684           | 686         | 688          | rBV2     | 364            | 360           | 0.03%           | 0.004%        |
| 24        | 6.153       | 696           | 697         | 699          | rBV      | 528            | 382           | 0.03%           | 0.004%        |
| 25        | 6.287       | 714           | 719         | 722          | rBV3     | 592            | 1046          | 0.09%           | 0.011%        |
| 26        | 6.354       | 728           | 730         | 731          | rBV      | 447            | 338           | 0.03%           | 0.004%        |
| 27        | 6.702       | 786           | 787         | 790          | rVB3     | 704            | 436           | 0.04%           | 0.005%        |
| 28        | 6.738       | 790           | 793         | 794          | rBV      | 441            | 414           | 0.03%           | 0.004%        |
| 29        | 6.763       | 795           | 797         | 799          | rVB2     | 557            | 358           | 0.03%           | 0.004%        |
| 30        | 6.872       | 813           | 815         | 816          | rBV      | 345            | 334           | 0.03%           | 0.004%        |
| 31        | 6.897       | 816           | 819         | 820          | rBV2     | 1463           | 1496          | 0.12%           | 0.016%        |
| 32        | 6.988       | 833           | 834         | 838          | rBV2     | 633            | 635           | 0.05%           | 0.007%        |
| 33        | 7.080       | 839           | 849         | 857          | rBV2     | 39698          | 116714        | 9.52%           | 1.249%        |
| 34        | 7.513       | 916           | 920         | 921          | rBV2     | 616            | 760           | 0.06%           | 0.008%        |
| 35        | 7.531       | 921           | 923         | 924          | rVV      | 501            | 340           | 0.03%           | 0.004%        |
| 36        | 7.653       | 931           | 943         | 955          | rBV      | 199136         | 494955        | 40.37%          | 5.297%        |

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 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 7.872  | 973  | 979  | 983  | rVB5 | 1017   | 1937    | 0.16%   | 0.021%  |
| 38 | 7.915  | 983  | 986  | 987  | rBV2 | 375    | 369     | 0.03%   | 0.004%  |
| 39 | 7.951  | 987  | 992  | 995  | rBV5 | 1798   | 2907    | 0.24%   | 0.031%  |
| 40 | 8.080  | 1009 | 1013 | 1014 | rBV3 | 589    | 748     | 0.06%   | 0.008%  |
| 41 | 8.128  | 1018 | 1021 | 1024 | rBV2 | 343    | 488     | 0.04%   | 0.005%  |
| 42 | 8.165  | 1024 | 1027 | 1030 | rBV  | 286    | 464     | 0.04%   | 0.005%  |
| 43 | 8.275  | 1033 | 1045 | 1059 | rBV2 | 398674 | 1225909 | 100.00% | 13.120% |
| 44 | 8.506  | 1081 | 1083 | 1085 | rBV2 | 489    | 357     | 0.03%   | 0.004%  |
| 45 | 8.561  | 1087 | 1092 | 1099 | rVB5 | 2620   | 5476    | 0.45%   | 0.059%  |
| 46 | 8.701  | 1109 | 1115 | 1116 | rBV4 | 1971   | 3156    | 0.26%   | 0.034%  |
| 47 | 8.842  | 1129 | 1138 | 1155 | rBV  | 545900 | 1076978 | 87.85%  | 11.526% |
| 48 | 9.134  | 1183 | 1186 | 1188 | rBV2 | 549    | 562     | 0.05%   | 0.006%  |
| 49 | 9.183  | 1193 | 1194 | 1196 | rBV2 | 566    | 485     | 0.04%   | 0.005%  |
| 50 | 9.274  | 1201 | 1209 | 1218 | rBV  | 259571 | 525957  | 42.90%  | 5.629%  |
| 51 | 9.500  | 1244 | 1246 | 1248 | rBV3 | 360    | 401     | 0.03%   | 0.004%  |
| 52 | 9.585  | 1259 | 1260 | 1263 | rVB2 | 644    | 364     | 0.03%   | 0.004%  |
| 53 | 9.652  | 1265 | 1271 | 1272 | rBV3 | 1043   | 1562    | 0.13%   | 0.017%  |
| 54 | 9.738  | 1282 | 1285 | 1287 | rBV2 | 466    | 473     | 0.04%   | 0.005%  |
| 55 | 9.762  | 1287 | 1289 | 1290 | rBV2 | 1015   | 763     | 0.06%   | 0.008%  |
| 56 | 9.793  | 1292 | 1294 | 1296 | rVV2 | 635    | 556     | 0.05%   | 0.006%  |
| 57 | 9.823  | 1297 | 1299 | 1302 | rVV3 | 709    | 597     | 0.05%   | 0.006%  |
| 58 | 9.896  | 1307 | 1311 | 1315 | rVB5 | 994    | 1836    | 0.15%   | 0.020%  |
| 59 | 9.969  | 1321 | 1323 | 1325 | rBV3 | 757    | 829     | 0.07%   | 0.009%  |
| 60 | 10.036 | 1327 | 1334 | 1344 | rVB  | 132343 | 243076  | 19.83%  | 2.601%  |
| 61 | 10.213 | 1357 | 1363 | 1368 | rBV6 | 2355   | 5225    | 0.43%   | 0.056%  |
| 62 | 10.323 | 1374 | 1381 | 1388 | rBV  | 549979 | 968277  | 78.98%  | 10.363% |
| 63 | 10.579 | 1417 | 1423 | 1431 | rBV2 | 82170  | 146734  | 11.97%  | 1.570%  |
| 64 | 10.701 | 1438 | 1443 | 1450 | rVB2 | 12998  | 22374   | 1.83%   | 0.239%  |
| 65 | 10.927 | 1474 | 1480 | 1495 | rVB  | 150052 | 257655  | 21.02%  | 2.757%  |
| 66 | 11.073 | 1499 | 1504 | 1511 | rVB7 | 5583   | 10651   | 0.87%   | 0.114%  |
| 67 | 11.280 | 1536 | 1538 | 1539 | rBV2 | 798    | 687     | 0.06%   | 0.007%  |
| 68 | 11.402 | 1556 | 1558 | 1559 | rBV  | 1103   | 850     | 0.07%   | 0.009%  |
| 69 | 11.439 | 1559 | 1564 | 1571 | rVB2 | 16178  | 26596   | 2.17%   | 0.285%  |
| 70 | 11.512 | 1574 | 1576 | 1577 | rBV2 | 920    | 665     | 0.05%   | 0.007%  |
| 71 | 11.634 | 1588 | 1596 | 1604 | rBV  | 700828 | 1185794 | 96.73%  | 12.691% |
| 72 | 11.835 | 1626 | 1629 | 1634 | rVB4 | 2718   | 4769    | 0.39%   | 0.051%  |
| 73 | 11.920 | 1642 | 1643 | 1644 | rBV  | 535    | 354     | 0.03%   | 0.004%  |
| 74 | 12.170 | 1680 | 1684 | 1690 | rBV7 | 2920   | 5838    | 0.48%   | 0.062%  |
| 75 | 12.298 | 1703 | 1705 | 1708 | rBV3 | 591    | 606     | 0.05%   | 0.006%  |
| 76 | 12.341 | 1708 | 1712 | 1719 | rVV3 | 4107   | 6134    | 0.50%   | 0.066%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M

Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.469 | 1727 | 1733 | 1737 | rBV7 | 3403   | 5688   | 0.46%  | 0.061% |
| 78  | 12.609 | 1749 | 1756 | 1762 | rVB2 | 49781  | 81910  | 6.68%  | 0.877% |
| 79  | 12.695 | 1762 | 1770 | 1779 | rBV  | 231690 | 385814 | 31.47% | 4.129% |
| 80  | 12.865 | 1797 | 1798 | 1800 | rVB2 | 831    | 396    | 0.03%  | 0.004% |
| 81  | 12.896 | 1800 | 1803 | 1804 | rBV2 | 597    | 558    | 0.05%  | 0.006% |
| 82  | 12.938 | 1804 | 1810 | 1814 | rBV9 | 3875   | 9560   | 0.78%  | 0.102% |
| 83  | 13.249 | 1857 | 1861 | 1864 | rBV4 | 2379   | 4720   | 0.39%  | 0.051% |
| 84  | 13.408 | 1880 | 1887 | 1892 | rVV4 | 7241   | 13894  | 1.13%  | 0.149% |
| 85  | 13.554 | 1905 | 1911 | 1918 | rBV  | 553284 | 902897 | 73.65% | 9.663% |
| 86  | 13.768 | 1941 | 1946 | 1949 | rBV5 | 3515   | 6566   | 0.54%  | 0.070% |
| 87  | 13.853 | 1953 | 1960 | 1972 | rVV  | 355966 | 590343 | 48.16% | 6.318% |
| 88  | 14.011 | 1984 | 1986 | 1990 | rBV3 | 1508   | 1799   | 0.15%  | 0.019% |
| 89  | 14.066 | 1990 | 1995 | 2002 | rVV2 | 14326  | 24664  | 2.01%  | 0.264% |
| 90  | 14.158 | 2009 | 2010 | 2012 | rBV2 | 724    | 459    | 0.04%  | 0.005% |
| 91  | 14.225 | 2018 | 2021 | 2022 | rBV3 | 625    | 683    | 0.06%  | 0.007% |
| 92  | 14.328 | 2034 | 2038 | 2047 | rBB6 | 3324   | 6318   | 0.52%  | 0.068% |
| 93  | 15.432 | 2216 | 2219 | 2225 | rVB3 | 7486   | 12422  | 1.01%  | 0.133% |
| 94  | 15.670 | 2256 | 2258 | 2259 | rBV2 | 1231   | 927    | 0.08%  | 0.010% |
| 95  | 15.840 | 2284 | 2286 | 2289 | rBV3 | 1832   | 1511   | 0.12%  | 0.016% |
| 96  | 16.291 | 2356 | 2360 | 2362 | rBV5 | 1273   | 1697   | 0.14%  | 0.018% |
| 97  | 16.340 | 2367 | 2368 | 2369 | rBV  | 760    | 463    | 0.04%  | 0.005% |
| 98  | 16.541 | 2399 | 2401 | 2407 | rVB5 | 962    | 1733   | 0.14%  | 0.019% |
| 99  | 16.590 | 2407 | 2409 | 2410 | rBV  | 1103   | 969    | 0.08%  | 0.010% |
| 100 | 16.669 | 2421 | 2422 | 2423 | rBV  | 857    | 381    | 0.03%  | 0.004% |

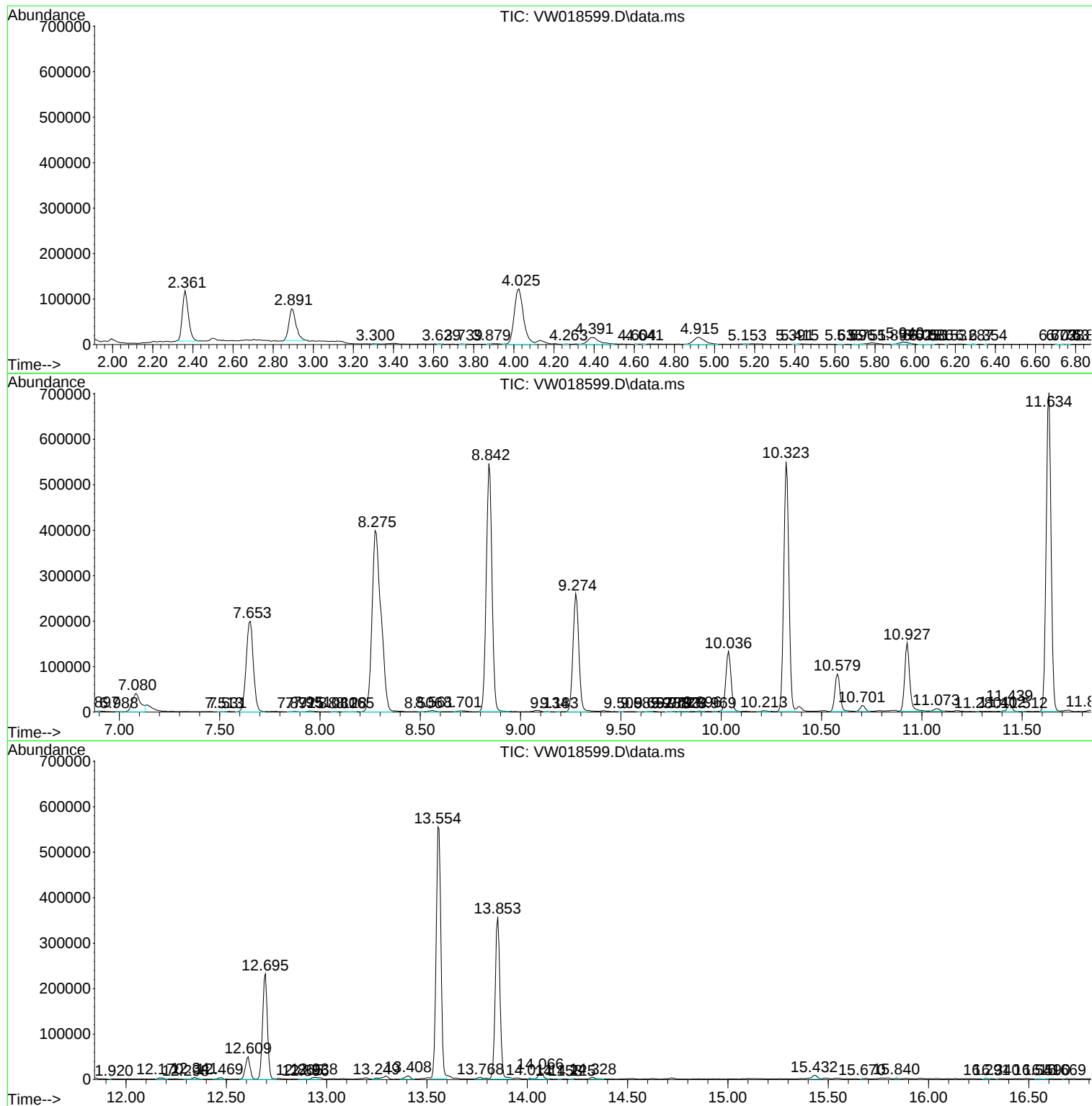
Sum of corrected areas: 9343894

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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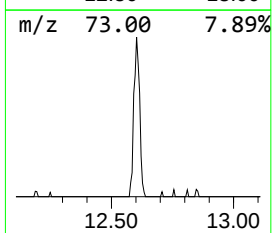
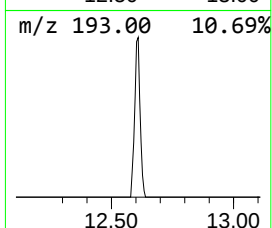
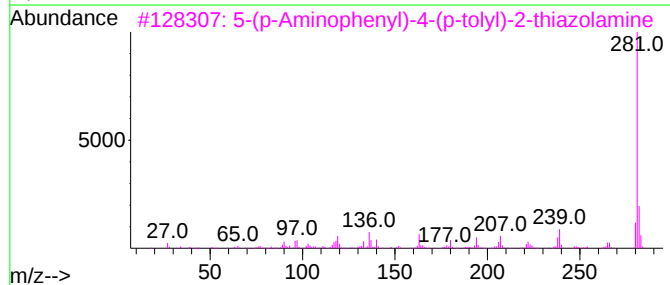
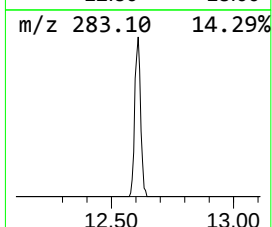
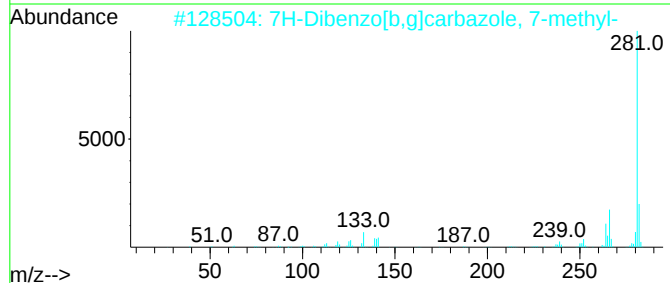
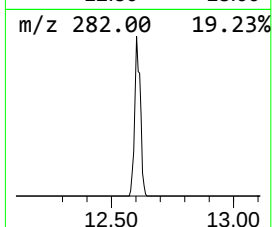
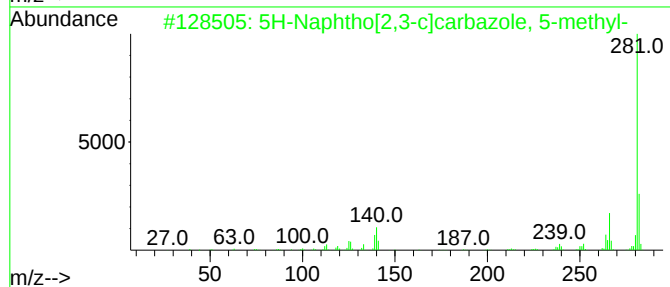
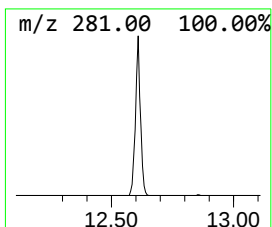
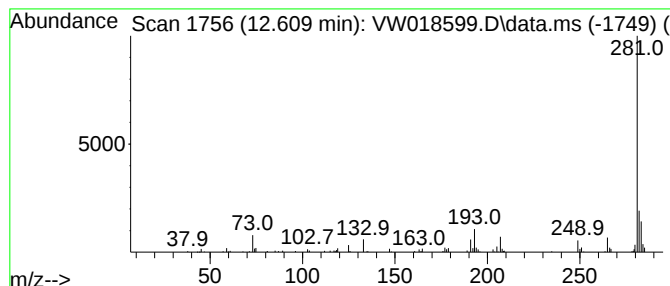
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 5H-Naphtho[2,3-c]carbazole,... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.609 | 2.27 ug/L | 81910 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 5H-Naphtho[2,3-c]carbazole, 5-me... | 281 | C21H15N     | 100025-44-3  | 64   |
| 2    |    |   | 7H-Dibenzo[b,g]carbazole, 7-methyl- | 281 | C21H15N     | 003557-49-1  | 64   |
| 3    |    |   | 5-(p-Aminophenyl)-4-(p-tolyl)-2-... | 281 | C16H15N3S   | 094460-46-5  | 59   |
| 4    |    |   | Benzoic acid, 4-methyl-2-trimeth... | 296 | C14H24O3Si2 | 1000153-59-3 | 59   |
| 5    |    |   | 2,6-Dimethyl-5-methylphenylamino... | 281 | C16H15N3O2  | 071320-48-4  | 59   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 5H-Naphtho[2,3-... | 12.609 | 2.3     | ug/L  | 81910    | 3                     | 13.560 | 902897 | 25.0 |