

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120221\  
 Data File : VW021045.D  
 Acq On : 02 Dec 2021 14:24  
 Operator : SY/VA  
 Sample : M4886-05  
 Misc : 5.77g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9N1

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\SFAMWLM111521SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021045.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         | 2.349       | 68            | 73          | 80           | rVB      | 27228          | 44449         | 12.38%          | 1.635%        |
| 2         | 2.885       | 154           | 161         | 170          | rBV      | 15335          | 32832         | 9.14%           | 1.208%        |
| 3         | 3.391       | 239           | 244         | 249          | rVB2     | 579            | 977           | 0.27%           | 0.036%        |
| 4         | 4.013       | 335           | 346         | 360          | rBV      | 32542          | 97513         | 27.15%          | 3.587%        |
| 5         | 4.135       | 362           | 366         | 369          | rBV3     | 403            | 759           | 0.21%           | 0.028%        |
| 6         | 4.245       | 382           | 384         | 386          | rBV      | 272            | 316           | 0.09%           | 0.012%        |
| 7         | 4.410       | 404           | 411         | 413          | rBV2     | 709            | 1700          | 0.47%           | 0.063%        |
| 8         | 4.672       | 452           | 454         | 457          | rVB      | 129            | 143           | 0.04%           | 0.005%        |
| 9         | 4.696       | 457           | 458         | 461          | rBV      | 95             | 114           | 0.03%           | 0.004%        |
| 10        | 4.848       | 482           | 483         | 485          | rBV      | 145            | 116           | 0.03%           | 0.004%        |
| 11        | 4.916       | 485           | 494         | 505          | rVV2     | 3906           | 12755         | 3.55%           | 0.469%        |
| 12        | 5.080       | 519           | 521         | 523          | rBV      | 169            | 155           | 0.04%           | 0.006%        |
| 13        | 5.135       | 527           | 530         | 533          | rBV2     | 176            | 291           | 0.08%           | 0.011%        |
| 14        | 5.184       | 536           | 538         | 539          | rVB2     | 181            | 111           | 0.03%           | 0.004%        |
| 15        | 5.245       | 546           | 548         | 551          | rBV      | 107            | 143           | 0.04%           | 0.005%        |
| 16        | 5.336       | 560           | 563         | 564          | rBV      | 85             | 106           | 0.03%           | 0.004%        |
| 17        | 5.354       | 564           | 566         | 567          | rVB      | 160            | 114           | 0.03%           | 0.004%        |
| 18        | 5.440       | 578           | 580         | 584          | rVB      | 173            | 226           | 0.06%           | 0.008%        |
| 19        | 5.611       | 605           | 608         | 609          | rBV      | 146            | 151           | 0.04%           | 0.006%        |
| 20        | 5.690       | 619           | 621         | 623          | rVV      | 135            | 133           | 0.04%           | 0.005%        |
| 21        | 5.732       | 626           | 628         | 630          | rVV      | 141            | 124           | 0.03%           | 0.005%        |
| 22        | 5.751       | 630           | 631         | 635          | rVB      | 222            | 196           | 0.05%           | 0.007%        |
| 23        | 5.793       | 636           | 638         | 641          | rBB      | 192            | 147           | 0.04%           | 0.005%        |
| 24        | 5.830       | 641           | 644         | 645          | rBV      | 94             | 119           | 0.03%           | 0.004%        |
| 25        | 5.879       | 649           | 652         | 653          | rBV      | 140            | 124           | 0.03%           | 0.005%        |
| 26        | 5.940       | 655           | 662         | 672          | rVB3     | 824            | 2155          | 0.60%           | 0.079%        |
| 27        | 6.178       | 699           | 701         | 704          | rVB      | 115            | 129           | 0.04%           | 0.005%        |
| 28        | 6.214       | 704           | 707         | 708          | rBV      | 128            | 169           | 0.05%           | 0.006%        |
| 29        | 6.312       | 722           | 723         | 727          | rBV      | 89             | 128           | 0.04%           | 0.005%        |
| 30        | 6.391       | 734           | 736         | 740          | rVB      | 137            | 162           | 0.05%           | 0.006%        |
| 31        | 6.434       | 740           | 743         | 746          | rBB2     | 142            | 174           | 0.05%           | 0.006%        |
| 32        | 6.476       | 749           | 750         | 753          | rBV      | 159            | 144           | 0.04%           | 0.005%        |
| 33        | 6.623       | 772           | 774         | 775          | rBV      | 170            | 132           | 0.04%           | 0.005%        |
| 34        | 6.921       | 821           | 823         | 825          | rVB      | 189            | 131           | 0.04%           | 0.005%        |
| 35        | 7.019       | 833           | 839         | 840          | rBB      | 97             | 137           | 0.04%           | 0.005%        |
| 36        | 7.080       | 840           | 849         | 854          | rBV      | 9471           | 25286         | 7.04%           | 0.930%        |

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 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 7.275  | 879  | 881  | 883  | rVB2 | 122    | 121    | 0.03%   | 0.004%  |
| 38 | 7.470  | 912  | 913  | 917  | rVB  | 132    | 143    | 0.04%   | 0.005%  |
| 39 | 7.507  | 917  | 919  | 922  | rBV  | 94     | 129    | 0.04%   | 0.005%  |
| 40 | 7.647  | 932  | 942  | 954  | rBB  | 59825  | 146645 | 40.83%  | 5.394%  |
| 41 | 7.756  | 956  | 960  | 961  | rBV  | 134    | 172    | 0.05%   | 0.006%  |
| 42 | 7.994  | 997  | 999  | 1002 | rVV  | 122    | 133    | 0.04%   | 0.005%  |
| 43 | 8.159  | 1025 | 1026 | 1028 | rBV  | 163    | 111    | 0.03%   | 0.004%  |
| 44 | 8.275  | 1032 | 1045 | 1059 | rBV3 | 116043 | 359151 | 100.00% | 13.210% |
| 45 | 8.403  | 1062 | 1066 | 1074 | rVB3 | 2153   | 4717   | 1.31%   | 0.173%  |
| 46 | 8.628  | 1101 | 1103 | 1106 | rVB  | 283    | 235    | 0.07%   | 0.009%  |
| 47 | 8.677  | 1109 | 1111 | 1113 | rBV  | 162    | 165    | 0.05%   | 0.006%  |
| 48 | 8.842  | 1130 | 1138 | 1149 | rVV  | 151741 | 292696 | 81.50%  | 10.765% |
| 49 | 9.086  | 1173 | 1178 | 1183 | rVB4 | 1221   | 2324   | 0.65%   | 0.085%  |
| 50 | 9.195  | 1192 | 1196 | 1198 | rBV  | 106    | 174    | 0.05%   | 0.006%  |
| 51 | 9.214  | 1198 | 1199 | 1201 | rVB  | 224    | 151    | 0.04%   | 0.006%  |
| 52 | 9.274  | 1201 | 1209 | 1218 | rBV  | 78186  | 157611 | 43.88%  | 5.797%  |
| 53 | 9.342  | 1218 | 1220 | 1224 | rVV  | 369    | 349    | 0.10%   | 0.013%  |
| 54 | 9.604  | 1260 | 1263 | 1265 | rBV  | 69     | 112    | 0.03%   | 0.004%  |
| 55 | 9.665  | 1269 | 1273 | 1276 | rBV2 | 286    | 499    | 0.14%   | 0.018%  |
| 56 | 9.866  | 1304 | 1306 | 1308 | rBV  | 177    | 206    | 0.06%   | 0.008%  |
| 57 | 9.890  | 1308 | 1310 | 1314 | rVB3 | 541    | 686    | 0.19%   | 0.025%  |
| 58 | 9.957  | 1318 | 1321 | 1324 | rBV  | 207    | 259    | 0.07%   | 0.010%  |
| 59 | 10.037 | 1326 | 1334 | 1342 | rBV  | 40764  | 73764  | 20.54%  | 2.713%  |
| 60 | 10.207 | 1357 | 1362 | 1366 | rBV  | 362    | 623    | 0.17%   | 0.023%  |
| 61 | 10.323 | 1373 | 1381 | 1387 | rBV  | 158827 | 276046 | 76.86%  | 10.153% |
| 62 | 10.384 | 1387 | 1391 | 1399 | rVB  | 9576   | 16300  | 4.54%   | 0.600%  |
| 63 | 10.457 | 1400 | 1403 | 1404 | rBV  | 92     | 106    | 0.03%   | 0.004%  |
| 64 | 10.579 | 1414 | 1423 | 1431 | rBB  | 25231  | 43398  | 12.08%  | 1.596%  |
| 65 | 10.701 | 1436 | 1443 | 1449 | rBV  | 10885  | 18422  | 5.13%   | 0.678%  |
| 66 | 10.823 | 1460 | 1463 | 1464 | rBV  | 96     | 110    | 0.03%   | 0.004%  |
| 67 | 10.860 | 1464 | 1469 | 1473 | rVV2 | 1212   | 1896   | 0.53%   | 0.070%  |
| 68 | 10.921 | 1473 | 1479 | 1490 | rVB  | 39222  | 65459  | 18.23%  | 2.408%  |
| 69 | 11.061 | 1497 | 1502 | 1509 | rBV2 | 5929   | 9654   | 2.69%   | 0.355%  |
| 70 | 11.177 | 1514 | 1521 | 1527 | rBB3 | 406    | 737    | 0.21%   | 0.027%  |
| 71 | 11.238 | 1530 | 1531 | 1534 | rBV3 | 93     | 111    | 0.03%   | 0.004%  |
| 72 | 11.311 | 1539 | 1543 | 1545 | rBV  | 179    | 305    | 0.08%   | 0.011%  |
| 73 | 11.335 | 1545 | 1547 | 1549 | rVV  | 165    | 191    | 0.05%   | 0.007%  |
| 74 | 11.433 | 1553 | 1563 | 1570 | rVV2 | 7698   | 13749  | 3.83%   | 0.506%  |
| 75 | 11.628 | 1588 | 1595 | 1606 | rBV  | 190502 | 321662 | 89.56%  | 11.831% |
| 76 | 11.731 | 1606 | 1612 | 1619 | rVB4 | 917    | 2017   | 0.56%   | 0.074%  |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.835 | 1624 | 1629 | 1635 | rVB2 | 3096   | 4842   | 1.35%  | 0.178% |
| 78  | 12.006 | 1653 | 1657 | 1658 | rBB  | 122    | 121    | 0.03%  | 0.004% |
| 79  | 12.055 | 1663 | 1665 | 1667 | rBB  | 133    | 119    | 0.03%  | 0.004% |
| 80  | 12.097 | 1669 | 1672 | 1673 | rBV  | 313    | 387    | 0.11%  | 0.014% |
| 81  | 12.164 | 1679 | 1683 | 1689 | rBV4 | 1104   | 1942   | 0.54%  | 0.071% |
| 82  | 12.396 | 1718 | 1721 | 1724 | rBV2 | 206    | 305    | 0.08%  | 0.011% |
| 83  | 12.512 | 1739 | 1740 | 1745 | rBV  | 117    | 124    | 0.03%  | 0.005% |
| 84  | 12.603 | 1749 | 1755 | 1762 | rBV2 | 17017  | 28008  | 7.80%  | 1.030% |
| 85  | 12.689 | 1762 | 1769 | 1777 | rBV  | 60460  | 99760  | 27.78% | 3.669% |
| 86  | 12.817 | 1783 | 1790 | 1791 | rBV3 | 1200   | 1547   | 0.43%  | 0.057% |
| 87  | 13.146 | 1842 | 1844 | 1846 | rBV  | 142    | 126    | 0.04%  | 0.005% |
| 88  | 13.188 | 1849 | 1851 | 1855 | rVB3 | 278    | 346    | 0.10%  | 0.013% |
| 89  | 13.249 | 1857 | 1861 | 1863 | rBV  | 1862   | 2474   | 0.69%  | 0.091% |
| 90  | 13.304 | 1865 | 1870 | 1873 | rBV4 | 5432   | 12200  | 3.40%  | 0.449% |
| 91  | 13.554 | 1905 | 1911 | 1919 | rBV  | 166197 | 259882 | 72.36% | 9.559% |
| 92  | 13.646 | 1922 | 1926 | 1933 | rVV2 | 5369   | 8732   | 2.43%  | 0.321% |
| 93  | 13.853 | 1953 | 1960 | 1967 | rBV  | 122644 | 202887 | 56.49% | 7.462% |
| 94  | 14.066 | 1992 | 1995 | 2004 | rVB2 | 8146   | 12629  | 3.52%  | 0.465% |
| 95  | 15.432 | 2212 | 2219 | 2223 | rBV2 | 6111   | 10685  | 2.98%  | 0.393% |
| 96  | 15.487 | 2223 | 2228 | 2235 | rVB  | 11951  | 20970  | 5.84%  | 0.771% |
| 97  | 15.639 | 2241 | 2253 | 2267 | rBV5 | 4106   | 14845  | 4.13%  | 0.546% |
| 98  | 15.914 | 2295 | 2298 | 2299 | rBV  | 307    | 320    | 0.09%  | 0.012% |
| 99  | 16.639 | 2412 | 2417 | 2422 | rVV3 | 674    | 1270   | 0.35%  | 0.047% |
| 100 | 16.724 | 2429 | 2431 | 2436 | rBV2 | 202    | 414    | 0.12%  | 0.015% |

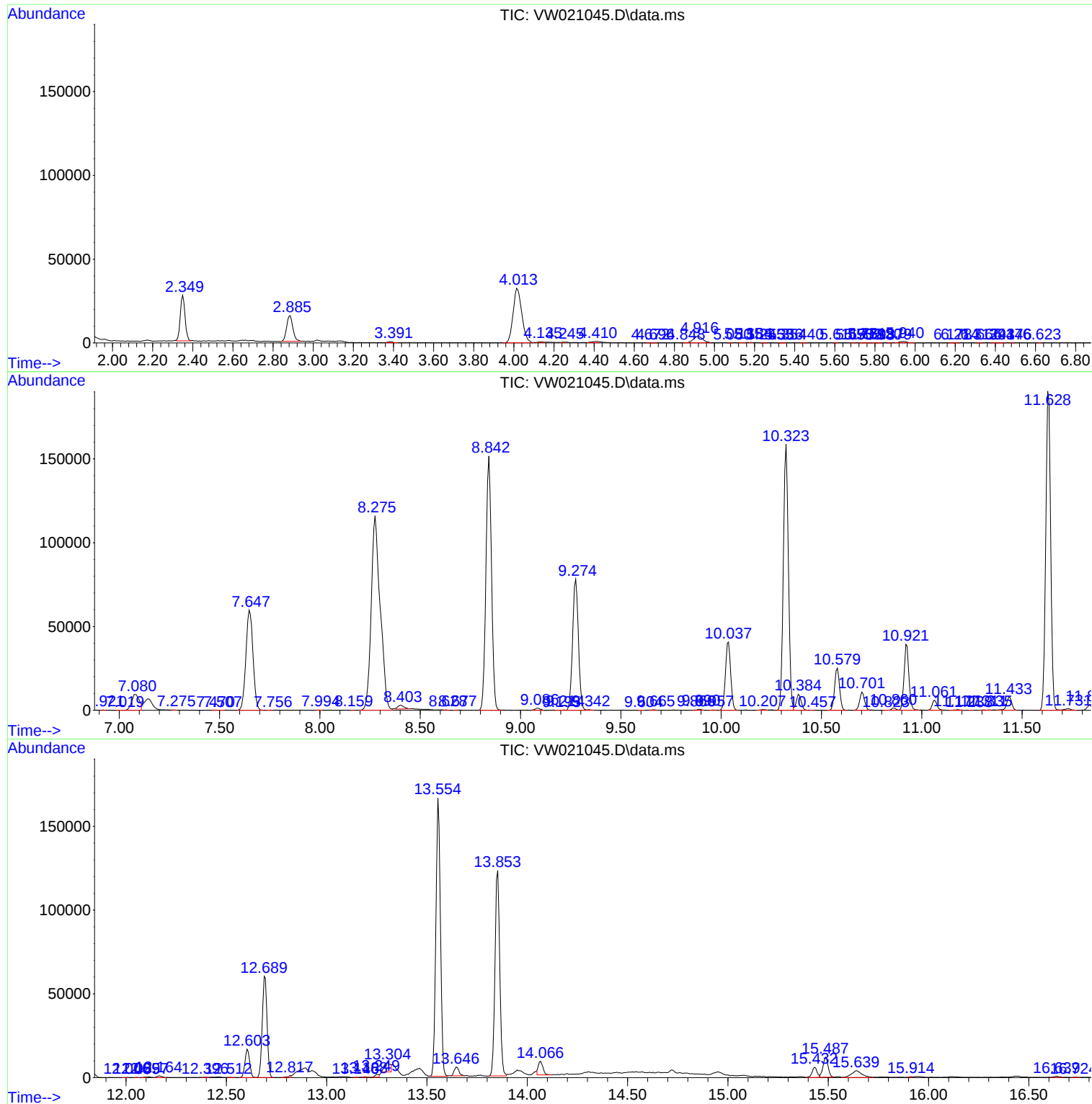
Sum of corrected areas: 2718835

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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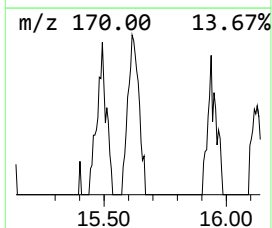
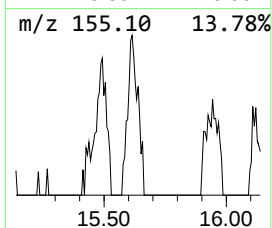
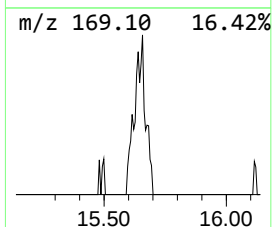
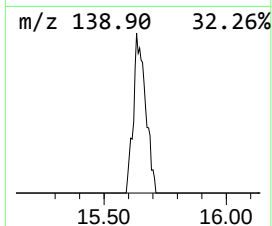
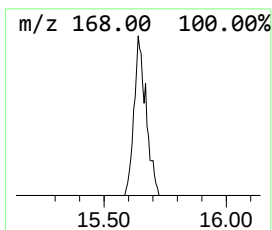
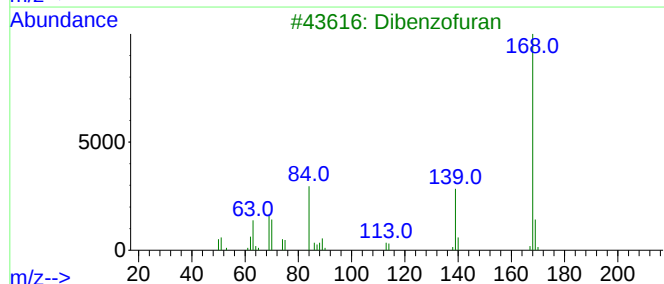
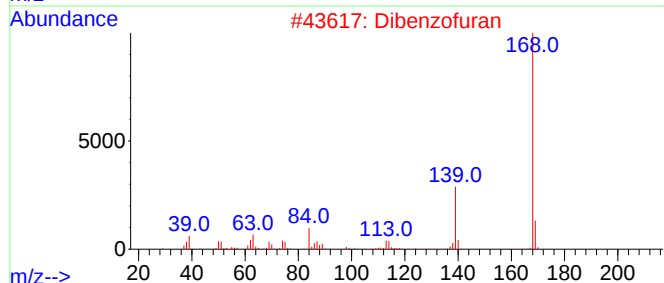
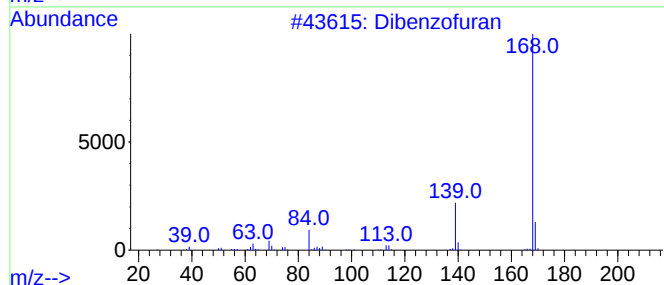
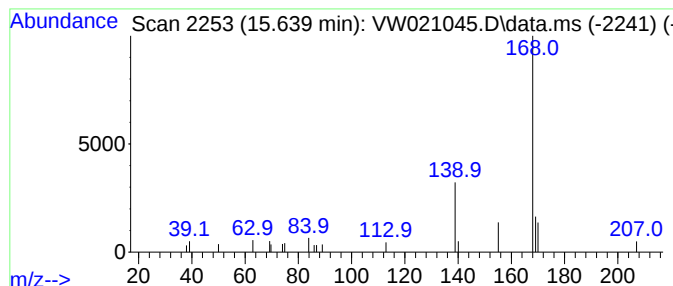
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dibenzofuran Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.639 | 1.43 ug/L | 14845 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzofuran            | 168 | C12H8O  | 000132-64-9 | 72   |
| 2    |    |   | Dibenzofuran            | 168 | C12H8O  | 000132-64-9 | 72   |
| 3    |    |   | Dibenzofuran            | 168 | C12H8O  | 000132-64-9 | 64   |
| 4    |    |   | Naphtho[2,1-d]imidazole | 168 | C11H8N2 | 000233-53-4 | 52   |
| 5    |    |   | 9H-Pyrido[3,4-b]indole  | 168 | C11H8N2 | 000244-63-3 | 50   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| Dibenzofuran     | 15.639 | 1.4     | ug/L  | 14845    | 3                     | 13.554 | 259882 | 25.0 |