

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021084.D  
 Acq On : 03 Dec 2021 23:16  
 Operator : SY/VA  
 Sample : M4883-16  
 Misc : 4.36g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9H2

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\SFAMWLM120321SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021084.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       | 69            | 73          | 79           | rVB      | 9482           | 15007         | 9.05%           | 1.104%        |
| 2         | 3.721       | 297           | 298         | 305          | rVB      | 127            | 128           | 0.08%           | 0.009%        |
| 3         | 4.013       | 338           | 346         | 360          | rVB2     | 14380          | 38280         | 23.08%          | 2.817%        |
| 4         | 4.586       | 438           | 440         | 441          | rBV      | 81             | 79            | 0.05%           | 0.006%        |
| 5         | 4.653       | 449           | 451         | 453          | rBV      | 103            | 110           | 0.07%           | 0.008%        |
| 6         | 4.775       | 468           | 471         | 472          | rBV      | 104            | 95            | 0.06%           | 0.007%        |
| 7         | 4.836       | 480           | 481         | 484          | rBV      | 123            | 125           | 0.08%           | 0.009%        |
| 8         | 4.922       | 484           | 495         | 508          | rVB3     | 4639           | 14617         | 8.81%           | 1.076%        |
| 9         | 5.025       | 509           | 512         | 513          | rBV      | 155            | 142           | 0.09%           | 0.010%        |
| 10        | 5.318       | 556           | 560         | 561          | rBV      | 91             | 128           | 0.08%           | 0.009%        |
| 11        | 5.421       | 576           | 577         | 579          | rVV      | 151            | 88            | 0.05%           | 0.006%        |
| 12        | 5.440       | 579           | 580         | 583          | rVB      | 115            | 81            | 0.05%           | 0.006%        |
| 13        | 5.507       | 588           | 591         | 594          | rBB      | 122            | 133           | 0.08%           | 0.010%        |
| 14        | 5.531       | 594           | 595         | 597          | rBB      | 138            | 76            | 0.05%           | 0.006%        |
| 15        | 5.635       | 610           | 612         | 615          | rBV      | 90             | 141           | 0.08%           | 0.010%        |
| 16        | 5.690       | 620           | 621         | 624          | rBB      | 128            | 131           | 0.08%           | 0.010%        |
| 17        | 5.885       | 651           | 653         | 654          | rBV      | 93             | 88            | 0.05%           | 0.006%        |
| 18        | 5.927       | 658           | 660         | 661          | rBV      | 310            | 265           | 0.16%           | 0.020%        |
| 19        | 6.056       | 679           | 681         | 682          | rBV      | 110            | 81            | 0.05%           | 0.006%        |
| 20        | 6.281       | 716           | 718         | 720          | rVB      | 128            | 97            | 0.06%           | 0.007%        |
| 21        | 6.354       | 726           | 730         | 732          | rBV      | 88             | 143           | 0.09%           | 0.011%        |
| 22        | 6.427       | 741           | 742         | 745          | rVB      | 174            | 113           | 0.07%           | 0.008%        |
| 23        | 6.482       | 748           | 751         | 752          | rBV      | 136            | 132           | 0.08%           | 0.010%        |
| 24        | 6.543       | 758           | 761         | 767          | rBB2     | 156            | 273           | 0.16%           | 0.020%        |
| 25        | 6.872       | 811           | 815         | 817          | rBB      | 64             | 82            | 0.05%           | 0.006%        |
| 26        | 6.903       | 817           | 820         | 821          | rBB      | 136            | 119           | 0.07%           | 0.009%        |
| 27        | 6.994       | 831           | 835         | 836          | rBB      | 86             | 85            | 0.05%           | 0.006%        |
| 28        | 7.013       | 836           | 838         | 840          | rBB      | 166            | 134           | 0.08%           | 0.010%        |
| 29        | 7.086       | 840           | 850         | 855          | rBV      | 5348           | 15149         | 9.13%           | 1.115%        |
| 30        | 7.397       | 897           | 901         | 902          | rBV      | 119            | 157           | 0.09%           | 0.012%        |
| 31        | 7.500       | 915           | 918         | 919          | rBB      | 150            | 123           | 0.07%           | 0.009%        |
| 32        | 7.519       | 919           | 921         | 924          | rBB      | 141            | 149           | 0.09%           | 0.011%        |
| 33        | 7.549       | 924           | 926         | 930          | rBB      | 104            | 108           | 0.07%           | 0.008%        |
| 34        | 7.592       | 931           | 933         | 934          | rBV      | 100            | 88            | 0.05%           | 0.006%        |
| 35        | 7.653       | 934           | 943         | 953          | rVB      | 28046          | 68050         | 41.02%          | 5.008%        |
| 36        | 7.738       | 954           | 957         | 958          | rBB      | 78             | 82            | 0.05%           | 0.006%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |       |        |         |         |
|----|--------|------|------|------|------|-------|--------|---------|---------|
| 37 | 7.793  | 964  | 966  | 969  | rBB  | 121   | 111    | 0.07%   | 0.008%  |
| 38 | 7.939  | 988  | 990  | 992  | rBB  | 91    | 80     | 0.05%   | 0.006%  |
| 39 | 7.964  | 992  | 994  | 995  | rBB  | 155   | 86     | 0.05%   | 0.006%  |
| 40 | 8.110  | 1016 | 1018 | 1020 | rBV  | 74    | 94     | 0.06%   | 0.007%  |
| 41 | 8.275  | 1034 | 1045 | 1060 | rBV3 | 50262 | 165889 | 100.00% | 12.209% |
| 42 | 8.744  | 1120 | 1122 | 1125 | rBB  | 151   | 153    | 0.09%   | 0.011%  |
| 43 | 8.842  | 1130 | 1138 | 1150 | rBB  | 63647 | 125202 | 75.47%  | 9.215%  |
| 44 | 9.092  | 1174 | 1179 | 1184 | rBB4 | 1458  | 2723   | 1.64%   | 0.200%  |
| 45 | 9.140  | 1185 | 1187 | 1189 | rBV  | 68    | 90     | 0.05%   | 0.007%  |
| 46 | 9.274  | 1202 | 1209 | 1218 | rBB  | 38993 | 76625  | 46.19%  | 5.639%  |
| 47 | 9.342  | 1218 | 1220 | 1222 | rBV  | 62    | 85     | 0.05%   | 0.006%  |
| 48 | 9.360  | 1222 | 1223 | 1225 | rVB  | 140   | 82     | 0.05%   | 0.006%  |
| 49 | 9.671  | 1269 | 1274 | 1276 | rBB2 | 260   | 381    | 0.23%   | 0.028%  |
| 50 | 9.707  | 1279 | 1280 | 1283 | rBB  | 107   | 79     | 0.05%   | 0.006%  |
| 51 | 9.762  | 1288 | 1289 | 1291 | rBV  | 93    | 83     | 0.05%   | 0.006%  |
| 52 | 9.848  | 1301 | 1303 | 1306 | rBB  | 83    | 97     | 0.06%   | 0.007%  |
| 53 | 9.933  | 1314 | 1317 | 1318 | rBV  | 82    | 97     | 0.06%   | 0.007%  |
| 54 | 10.037 | 1327 | 1334 | 1343 | rVB  | 19024 | 34067  | 20.54%  | 2.507%  |
| 55 | 10.219 | 1359 | 1364 | 1368 | rBB2 | 322   | 560    | 0.34%   | 0.041%  |
| 56 | 10.323 | 1374 | 1381 | 1388 | rBV  | 69636 | 119390 | 71.97%  | 8.787%  |
| 57 | 10.390 | 1388 | 1392 | 1397 | rVB2 | 1461  | 2607   | 1.57%   | 0.192%  |
| 58 | 10.530 | 1414 | 1415 | 1417 | rBV2 | 81    | 85     | 0.05%   | 0.006%  |
| 59 | 10.579 | 1417 | 1423 | 1429 | rVB2 | 12491 | 20622  | 12.43%  | 1.518%  |
| 60 | 10.701 | 1437 | 1443 | 1450 | rBV  | 10512 | 18179  | 10.96%  | 1.338%  |
| 61 | 10.860 | 1465 | 1469 | 1474 | rBV2 | 2727  | 4615   | 2.78%   | 0.340%  |
| 62 | 10.927 | 1474 | 1480 | 1491 | rVB  | 20999 | 37739  | 22.75%  | 2.778%  |
| 63 | 11.024 | 1494 | 1496 | 1497 | rBB  | 120   | 85     | 0.05%   | 0.006%  |
| 64 | 11.061 | 1497 | 1502 | 1509 | rBB2 | 4736  | 7586   | 4.57%   | 0.558%  |
| 65 | 11.116 | 1509 | 1511 | 1514 | rBB2 | 139   | 152    | 0.09%   | 0.011%  |
| 66 | 11.177 | 1520 | 1521 | 1524 | rBB2 | 162   | 108    | 0.07%   | 0.008%  |
| 67 | 11.305 | 1539 | 1542 | 1545 | rBB  | 75    | 119    | 0.07%   | 0.009%  |
| 68 | 11.384 | 1552 | 1555 | 1557 | rBB  | 87    | 112    | 0.07%   | 0.008%  |
| 69 | 11.439 | 1558 | 1564 | 1571 | rBV  | 9601  | 15653  | 9.44%   | 1.152%  |
| 70 | 11.634 | 1589 | 1596 | 1604 | rBV  | 88901 | 153445 | 92.50%  | 11.293% |
| 71 | 11.719 | 1607 | 1610 | 1611 | rBV  | 220   | 168    | 0.10%   | 0.012%  |
| 72 | 11.841 | 1625 | 1630 | 1634 | rBB2 | 656   | 1207   | 0.73%   | 0.089%  |
| 73 | 12.164 | 1680 | 1683 | 1686 | rVB2 | 287   | 335    | 0.20%   | 0.025%  |
| 74 | 12.201 | 1687 | 1689 | 1691 | rBV  | 127   | 150    | 0.09%   | 0.011%  |
| 75 | 12.243 | 1694 | 1696 | 1697 | rBV  | 88    | 86     | 0.05%   | 0.006%  |
| 76 | 12.420 | 1721 | 1725 | 1726 | rBB  | 82    | 105    | 0.06%   | 0.008%  |

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Peak Location: TOP

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |        |        |         |
|-----|--------|------|------|------|------|-------|--------|--------|---------|
| 77  | 12.512 | 1738 | 1740 | 1742 | rBB  | 82    | 80     | 0.05%  | 0.006%  |
| 78  | 12.603 | 1749 | 1755 | 1762 | rBB2 | 28665 | 48399  | 29.18% | 3.562%  |
| 79  | 12.688 | 1763 | 1769 | 1776 | rBV2 | 36340 | 60545  | 36.50% | 4.456%  |
| 80  | 12.865 | 1796 | 1798 | 1800 | rBB  | 137   | 145    | 0.09%  | 0.011%  |
| 81  | 12.926 | 1806 | 1808 | 1813 | rBV  | 467   | 557    | 0.34%  | 0.041%  |
| 82  | 12.987 | 1816 | 1818 | 1821 | rBV  | 92    | 126    | 0.08%  | 0.009%  |
| 83  | 13.048 | 1823 | 1828 | 1831 | rBV3 | 408   | 848    | 0.51%  | 0.062%  |
| 84  | 13.188 | 1848 | 1851 | 1856 | rBB2 | 307   | 438    | 0.26%  | 0.032%  |
| 85  | 13.243 | 1857 | 1860 | 1863 | rBV  | 406   | 609    | 0.37%  | 0.045%  |
| 86  | 13.292 | 1863 | 1868 | 1873 | rVB  | 3968  | 5716   | 3.45%  | 0.421%  |
| 87  | 13.408 | 1882 | 1887 | 1890 | rBV2 | 639   | 907    | 0.55%  | 0.067%  |
| 88  | 13.499 | 1900 | 1902 | 1905 | rVB  | 208   | 124    | 0.07%  | 0.009%  |
| 89  | 13.554 | 1905 | 1911 | 1918 | rBV  | 87173 | 145732 | 87.85% | 10.726% |
| 90  | 13.761 | 1942 | 1945 | 1948 | rBV2 | 505   | 697    | 0.42%  | 0.051%  |
| 91  | 13.853 | 1953 | 1960 | 1967 | rBV  | 66990 | 110040 | 66.33% | 8.099%  |
| 92  | 13.987 | 1979 | 1982 | 1984 | rBV  | 173   | 215    | 0.13%  | 0.016%  |
| 93  | 14.066 | 1990 | 1995 | 2003 | rVB  | 8613  | 13582  | 8.19%  | 1.000%  |
| 94  | 14.286 | 2030 | 2031 | 2032 | rBV  | 149   | 80     | 0.05%  | 0.006%  |
| 95  | 15.139 | 2169 | 2171 | 2173 | rBV  | 159   | 99     | 0.06%  | 0.007%  |
| 96  | 15.359 | 2202 | 2207 | 2214 | rBV  | 11315 | 19350  | 11.66% | 1.424%  |
| 97  | 15.432 | 2215 | 2219 | 2224 | rVB  | 3730  | 5396   | 3.25%  | 0.397%  |
| 98  | 15.542 | 2235 | 2237 | 2243 | rVB3 | 398   | 591    | 0.36%  | 0.043%  |
| 99  | 15.731 | 2265 | 2268 | 2271 | rBV  | 174   | 264    | 0.16%  | 0.019%  |
| 100 | 15.761 | 2271 | 2273 | 2276 | rBV  | 182   | 181    | 0.11%  | 0.013%  |

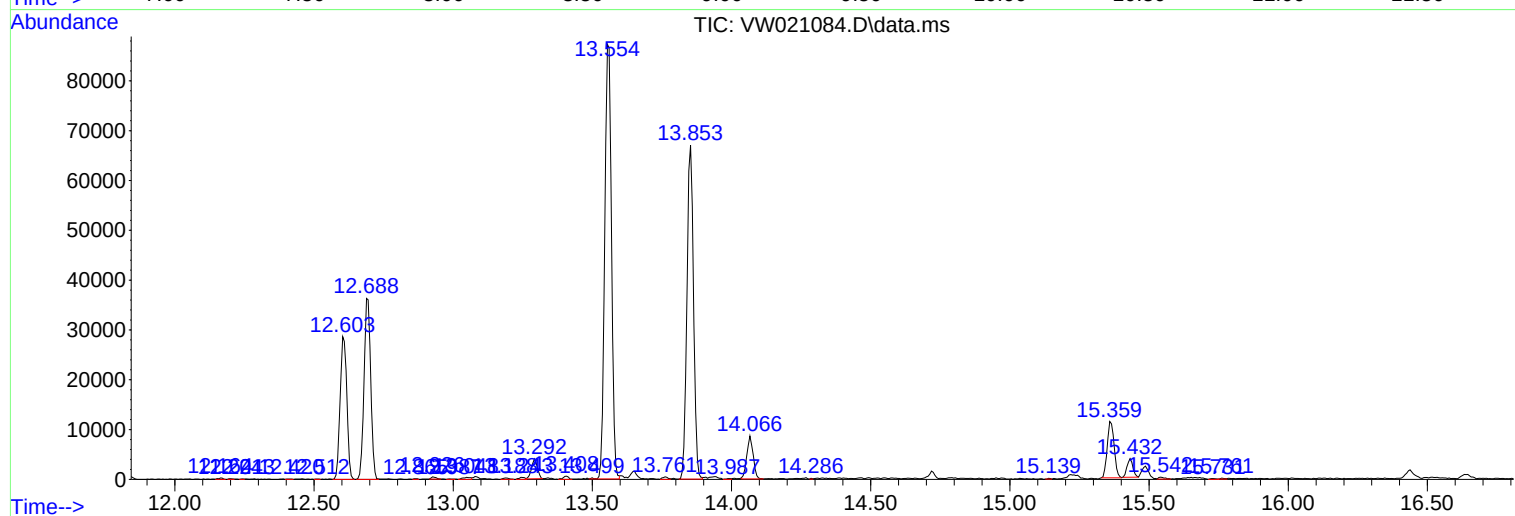
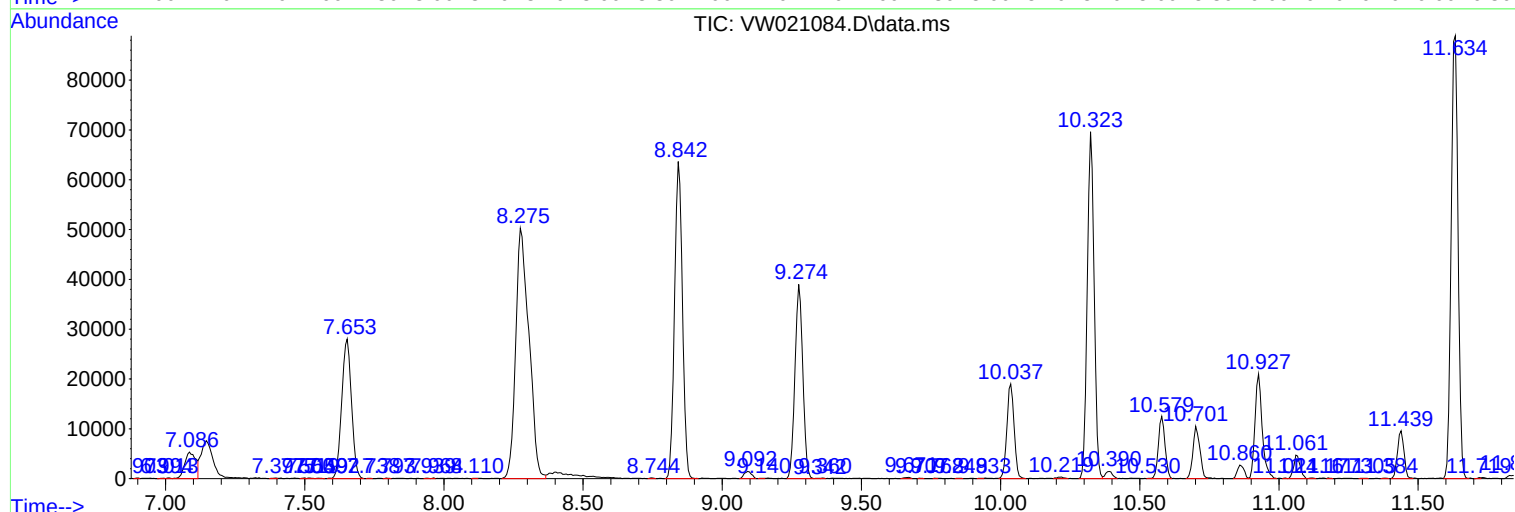
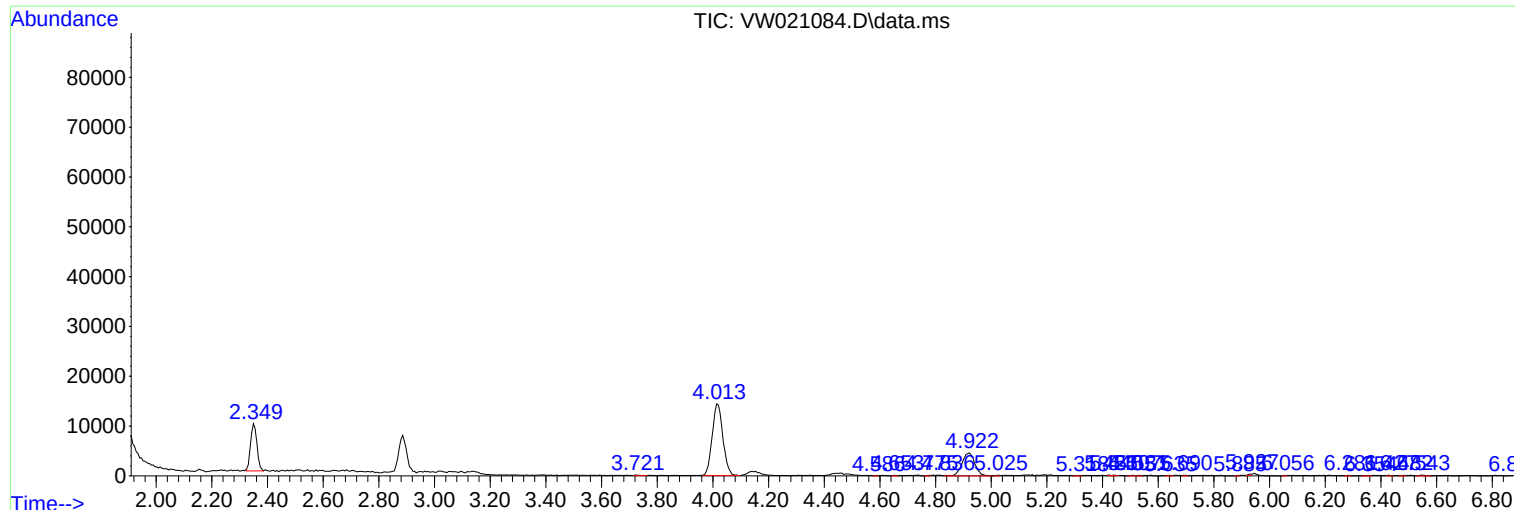
Sum of corrected areas: 1358732

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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



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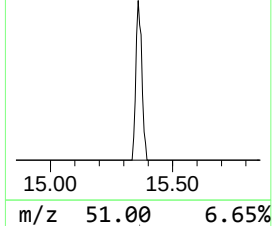
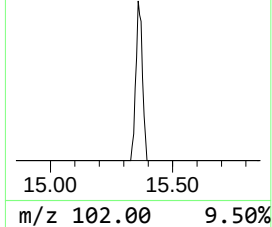
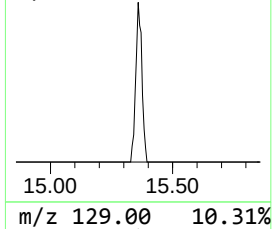
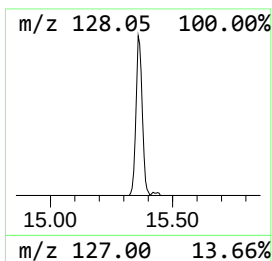
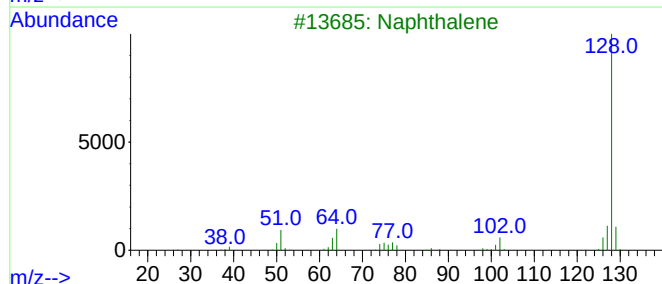
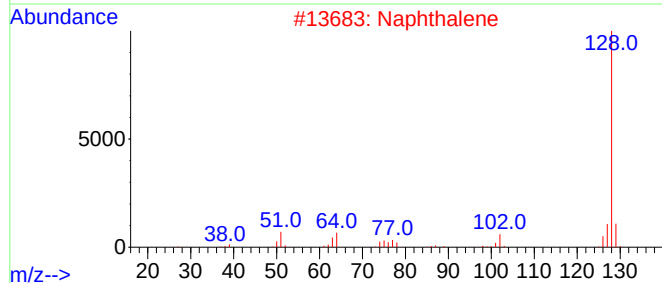
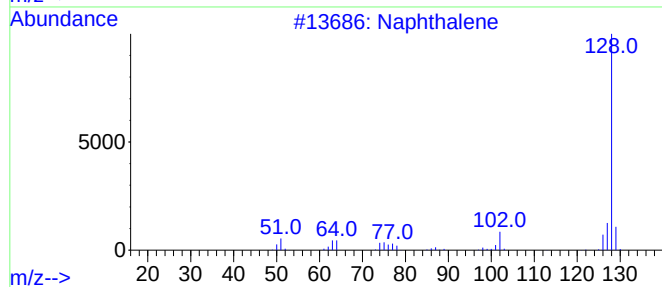
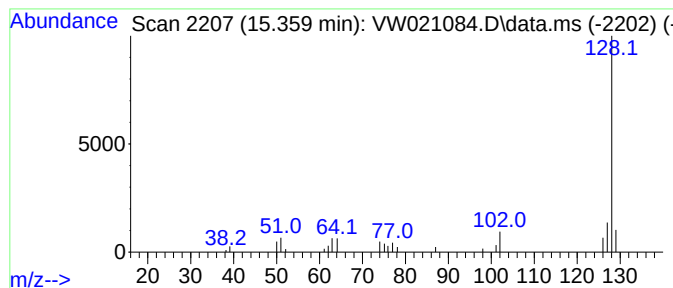
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 6 Azulene Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.359 | 3.32 ug/L | 19350 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 95   |
| 2    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 3    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 91   |
| 4    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 5    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| Azulene          | 15.359 | 3.3     | ug/L  | 19350    | 3                     | 13.560 | 145732 | 25.0 |