

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050223\  
 Data File : VW025805.D  
 Acq On : 02 May 2023 17:26  
 Operator : SY/MD  
 Sample : 02549-12  
 Misc : 5.56g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCCC9

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\SFAMWLM050123SMA.M  
 Title : SFAM01.0

Signal : TIC: VW025805.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         | 2.363       | 72            | 78          | 93           | rBV      | 172535         | 467579        | 13.71%          | 1.875%        |
| 2         | 2.497       | 95            | 100         | 113          | rBV      | 99320          | 265340        | 7.78%           | 1.064%        |
| 3         | 2.899       | 160           | 166         | 184          | rVB      | 127560         | 401373        | 11.77%          | 1.609%        |
| 4         | 3.814       | 314           | 316         | 318          | rBV3     | 1465           | 1379          | 0.04%           | 0.006%        |
| 5         | 3.948       | 336           | 338         | 339          | rBV2     | 1325           | 1193          | 0.03%           | 0.005%        |
| 6         | 4.021       | 339           | 350         | 359          | rBV      | 341152         | 1123646       | 32.94%          | 4.505%        |
| 7         | 4.307       | 394           | 397         | 399          | rBV4     | 1406           | 1531          | 0.04%           | 0.006%        |
| 8         | 4.521       | 431           | 432         | 436          | rBV4     | 1870           | 1502          | 0.04%           | 0.006%        |
| 9         | 4.606       | 436           | 446         | 449          | rBV2     | 6849           | 18443         | 0.54%           | 0.074%        |
| 10        | 4.746       | 467           | 469         | 473          | rVB5     | 1940           | 2039          | 0.06%           | 0.008%        |
| 11        | 4.801       | 476           | 478         | 481          | rBV4     | 1932           | 1784          | 0.05%           | 0.007%        |
| 12        | 4.923       | 484           | 498         | 506          | rBV2     | 24061          | 87233         | 2.56%           | 0.350%        |
| 13        | 5.082       | 522           | 524         | 528          | rVB5     | 1631           | 1839          | 0.05%           | 0.007%        |
| 14        | 5.118       | 528           | 530         | 531          | rBV2     | 1439           | 1092          | 0.03%           | 0.004%        |
| 15        | 5.289       | 554           | 558         | 561          | rBV6     | 1585           | 1546          | 0.05%           | 0.006%        |
| 16        | 5.319       | 561           | 563         | 567          | rVB5     | 1280           | 1456          | 0.04%           | 0.006%        |
| 17        | 5.405       | 575           | 577         | 579          | rVV3     | 2128           | 1559          | 0.05%           | 0.006%        |
| 18        | 5.453       | 582           | 585         | 588          | rVB5     | 1666           | 1941          | 0.06%           | 0.008%        |
| 19        | 5.502       | 590           | 593         | 596          | rBV5     | 1359           | 1795          | 0.05%           | 0.007%        |
| 20        | 5.655       | 616           | 618         | 622          | rVB5     | 1911           | 1802          | 0.05%           | 0.007%        |
| 21        | 5.697       | 622           | 625         | 628          | rBV5     | 1178           | 1463          | 0.04%           | 0.006%        |
| 22        | 5.764       | 632           | 636         | 637          | rBV4     | 2652           | 2426          | 0.07%           | 0.010%        |
| 23        | 5.886       | 652           | 656         | 658          | rVV5     | 1281           | 1132          | 0.03%           | 0.005%        |
| 24        | 5.953       | 658           | 667         | 673          | rVB4     | 9366           | 27044         | 0.79%           | 0.108%        |
| 25        | 6.014       | 676           | 677         | 679          | rBV2     | 1551           | 1341          | 0.04%           | 0.005%        |
| 26        | 6.344       | 727           | 731         | 734          | rBV6     | 1141           | 1790          | 0.05%           | 0.007%        |
| 27        | 6.392       | 737           | 739         | 741          | rBV3     | 2139           | 1710          | 0.05%           | 0.007%        |
| 28        | 6.587       | 767           | 771         | 772          | rVV4     | 1030           | 1463          | 0.04%           | 0.006%        |
| 29        | 6.673       | 782           | 785         | 788          | rBV4     | 1045           | 1478          | 0.04%           | 0.006%        |
| 30        | 6.807       | 806           | 807         | 811          | rVB5     | 1523           | 1184          | 0.03%           | 0.005%        |
| 31        | 6.886       | 817           | 820         | 822          | rBV4     | 1732           | 2197          | 0.06%           | 0.009%        |
| 32        | 6.904       | 822           | 823         | 825          | rBV2     | 1510           | 1320          | 0.04%           | 0.005%        |
| 33        | 6.978       | 832           | 835         | 836          | rBV3     | 4506           | 4725          | 0.14%           | 0.019%        |
| 34        | 7.075       | 844           | 851         | 862          | rBV      | 93218          | 256839        | 7.53%           | 1.030%        |
| 35        | 7.343       | 893           | 895         | 896          | rBV2     | 1449           | 1114          | 0.03%           | 0.004%        |
| 36        | 7.648       | 935           | 945         | 958          | rBV      | 556303         | 1369415       | 40.14%          | 5.490%        |

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 Title : SFAM01.0

|    |        |      |      |      |       |         |         |         |         |
|----|--------|------|------|------|-------|---------|---------|---------|---------|
| 37 | 7.990  | 997  | 1001 | 1002 | rBV4  | 1283    | 1299    | 0.04%   | 0.005%  |
| 38 | 8.026  | 1004 | 1007 | 1009 | rVV4  | 1307    | 1237    | 0.04%   | 0.005%  |
| 39 | 8.051  | 1009 | 1011 | 1014 | rBV4  | 1526    | 1274    | 0.04%   | 0.005%  |
| 40 | 8.087  | 1014 | 1017 | 1019 | rBV4  | 1259    | 1254    | 0.04%   | 0.005%  |
| 41 | 8.276  | 1038 | 1048 | 1066 | rVV2  | 1176392 | 3411522 | 100.00% | 13.677% |
| 42 | 8.557  | 1088 | 1094 | 1099 | rBV10 | 5268    | 12468   | 0.37%   | 0.050%  |
| 43 | 8.697  | 1113 | 1117 | 1119 | rBV5  | 3629    | 5858    | 0.17%   | 0.023%  |
| 44 | 8.843  | 1132 | 1141 | 1152 | rBV   | 1228782 | 2403154 | 70.44%  | 9.634%  |
| 45 | 9.191  | 1196 | 1198 | 1199 | rBV2  | 1716    | 1172    | 0.03%   | 0.005%  |
| 46 | 9.276  | 1204 | 1212 | 1223 | rVV   | 793034  | 1610027 | 47.19%  | 6.455%  |
| 47 | 9.502  | 1243 | 1249 | 1256 | rBV   | 55682   | 103712  | 3.04%   | 0.416%  |
| 48 | 9.703  | 1280 | 1282 | 1285 | rBV4  | 1672    | 1359    | 0.04%   | 0.005%  |
| 49 | 9.880  | 1304 | 1311 | 1313 | rBV8  | 2851    | 6243    | 0.18%   | 0.025%  |
| 50 | 9.959  | 1321 | 1324 | 1326 | rVB4  | 1778    | 1896    | 0.06%   | 0.008%  |
| 51 | 10.032 | 1326 | 1336 | 1345 | rBV   | 422181  | 769115  | 22.54%  | 3.083%  |
| 52 | 10.239 | 1369 | 1370 | 1374 | rBV4  | 1535    | 1430    | 0.04%   | 0.006%  |
| 53 | 10.325 | 1376 | 1384 | 1394 | rBV   | 1608770 | 2847533 | 83.47%  | 11.416% |
| 54 | 10.575 | 1419 | 1425 | 1433 | rBV   | 269044  | 460669  | 13.50%  | 1.847%  |
| 55 | 10.824 | 1463 | 1466 | 1467 | rBV3  | 1416    | 1645    | 0.05%   | 0.007%  |
| 56 | 10.922 | 1476 | 1482 | 1497 | rBV   | 366092  | 648583  | 19.01%  | 2.600%  |
| 57 | 11.215 | 1529 | 1530 | 1532 | rBV2  | 1914    | 1283    | 0.04%   | 0.005%  |
| 58 | 11.257 | 1534 | 1537 | 1538 | rVV3  | 1636    | 1538    | 0.05%   | 0.006%  |
| 59 | 11.379 | 1556 | 1557 | 1562 | rVB5  | 1500    | 1623    | 0.05%   | 0.007%  |
| 60 | 11.422 | 1562 | 1564 | 1566 | rBV3  | 1420    | 1122    | 0.03%   | 0.004%  |
| 61 | 11.629 | 1589 | 1598 | 1607 | rBV   | 1684621 | 2770706 | 81.22%  | 11.108% |
| 62 | 11.843 | 1629 | 1633 | 1641 | rVB4  | 8828    | 20597   | 0.60%   | 0.083%  |
| 63 | 12.233 | 1695 | 1697 | 1699 | rBV3  | 1430    | 1510    | 0.04%   | 0.006%  |
| 64 | 12.318 | 1708 | 1711 | 1714 | rBV5  | 1401    | 2640    | 0.08%   | 0.011%  |
| 65 | 12.349 | 1714 | 1716 | 1718 | rVV3  | 2479    | 2765    | 0.08%   | 0.011%  |
| 66 | 12.422 | 1726 | 1728 | 1730 | rVB3  | 1438    | 1221    | 0.04%   | 0.005%  |
| 67 | 12.458 | 1730 | 1734 | 1736 | rBV4  | 2440    | 3261    | 0.10%   | 0.013%  |
| 68 | 12.507 | 1739 | 1742 | 1744 | rVB4  | 1292    | 1311    | 0.04%   | 0.005%  |
| 69 | 12.605 | 1751 | 1758 | 1764 | rBV4  | 23765   | 51189   | 1.50%   | 0.205%  |
| 70 | 12.690 | 1765 | 1772 | 1782 | rBV   | 562654  | 901076  | 26.41%  | 3.613%  |
| 71 | 12.879 | 1800 | 1803 | 1807 | rVB6  | 1039    | 1451    | 0.04%   | 0.006%  |
| 72 | 12.922 | 1807 | 1810 | 1811 | rBV3  | 1788    | 1756    | 0.05%   | 0.007%  |
| 73 | 13.092 | 1832 | 1838 | 1840 | rBV6  | 2850    | 4494    | 0.13%   | 0.018%  |
| 74 | 13.275 | 1863 | 1868 | 1877 | rVB5  | 9970    | 24335   | 0.71%   | 0.098%  |
| 75 | 13.403 | 1879 | 1889 | 1893 | rBV7  | 8911    | 19080   | 0.56%   | 0.076%  |
| 76 | 13.470 | 1896 | 1900 | 1903 | rBV6  | 3352    | 4431    | 0.13%   | 0.018%  |

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 MSVOA\_W  
 ClientSampleId :  
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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\SFAMWLM050123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |         |         |        |         |
|-----|--------|------|------|------|------|---------|---------|--------|---------|
| 77  | 13.556 | 1907 | 1914 | 1925 | rBV  | 1577104 | 2529506 | 74.15% | 10.141% |
| 78  | 13.848 | 1955 | 1962 | 1973 | rBV  | 1316324 | 2093379 | 61.36% | 8.393%  |
| 79  | 14.013 | 1987 | 1989 | 1990 | rBV2 | 1924    | 1180    | 0.03%  | 0.005%  |
| 80  | 14.062 | 1992 | 1997 | 2002 | rVB2 | 25990   | 42808   | 1.25%  | 0.172%  |
| 81  | 14.324 | 2032 | 2040 | 2044 | rBV9 | 8139    | 14283   | 0.42%  | 0.057%  |
| 82  | 14.452 | 2059 | 2061 | 2063 | rBV3 | 1509    | 1464    | 0.04%  | 0.006%  |
| 83  | 14.519 | 2068 | 2072 | 2077 | rVV8 | 5487    | 11011   | 0.32%  | 0.044%  |
| 84  | 14.665 | 2093 | 2096 | 2097 | rBV3 | 1974    | 1982    | 0.06%  | 0.008%  |
| 85  | 14.805 | 2118 | 2119 | 2120 | rBV  | 1943    | 1174    | 0.03%  | 0.005%  |
| 86  | 14.836 | 2123 | 2124 | 2127 | rBV3 | 2166    | 1874    | 0.05%  | 0.008%  |
| 87  | 14.866 | 2127 | 2129 | 2132 | rVV5 | 1451    | 1772    | 0.05%  | 0.007%  |
| 88  | 15.049 | 2157 | 2159 | 2160 | rBV2 | 1416    | 1096    | 0.03%  | 0.004%  |
| 89  | 15.122 | 2169 | 2171 | 2172 | rBV2 | 3107    | 2004    | 0.06%  | 0.008%  |
| 90  | 15.177 | 2177 | 2180 | 2182 | rBV4 | 2383    | 2719    | 0.08%  | 0.011%  |
| 91  | 15.238 | 2188 | 2190 | 2191 | rBV2 | 2301    | 1916    | 0.06%  | 0.008%  |
| 92  | 15.311 | 2200 | 2202 | 2204 | rBV3 | 2801    | 3314    | 0.10%  | 0.013%  |
| 93  | 15.427 | 2218 | 2221 | 2226 | rVB2 | 23376   | 35349   | 1.04%  | 0.142%  |
| 94  | 15.653 | 2256 | 2258 | 2259 | rBV2 | 1810    | 1191    | 0.03%  | 0.005%  |
| 95  | 15.671 | 2259 | 2261 | 2263 | rBV3 | 1385    | 1304    | 0.04%  | 0.005%  |
| 96  | 15.781 | 2274 | 2279 | 2281 | rBV6 | 4936    | 8186    | 0.24%  | 0.033%  |
| 97  | 15.939 | 2303 | 2305 | 2310 | rBV6 | 2350    | 3417    | 0.10%  | 0.014%  |
| 98  | 16.616 | 2413 | 2416 | 2418 | rVB4 | 2434    | 2843    | 0.08%  | 0.011%  |
| 99  | 16.659 | 2418 | 2423 | 2424 | rBV5 | 2522    | 4080    | 0.12%  | 0.016%  |
| 100 | 16.720 | 2430 | 2433 | 2435 | rBV4 | 2670    | 3840    | 0.11%  | 0.015%  |

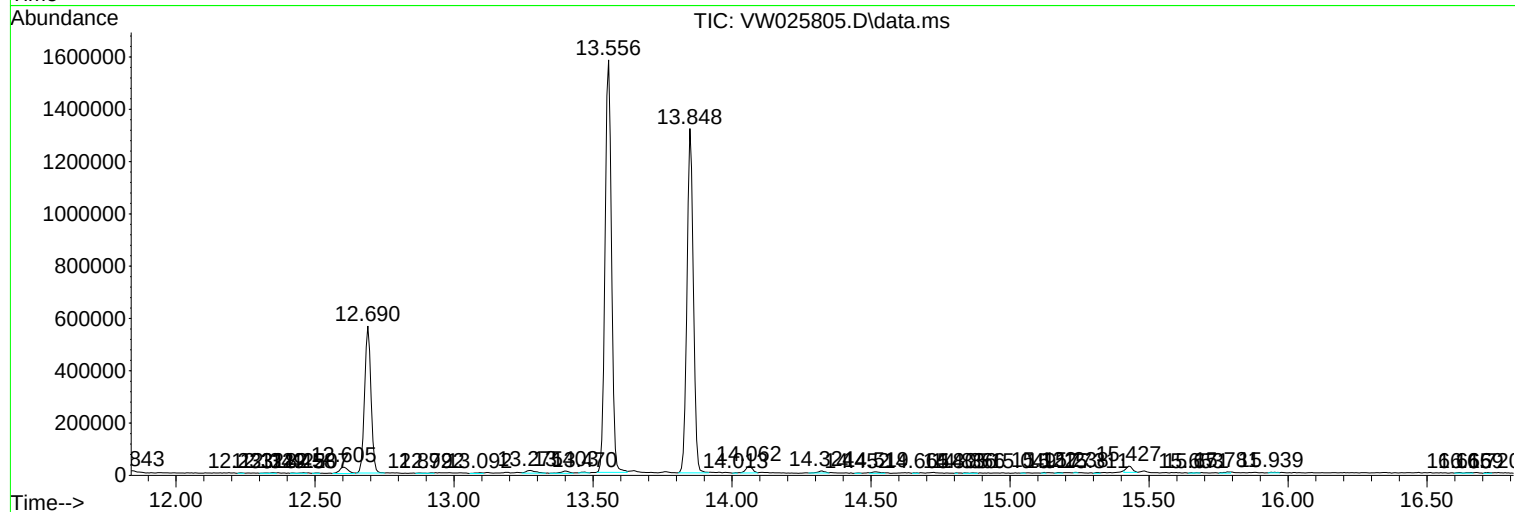
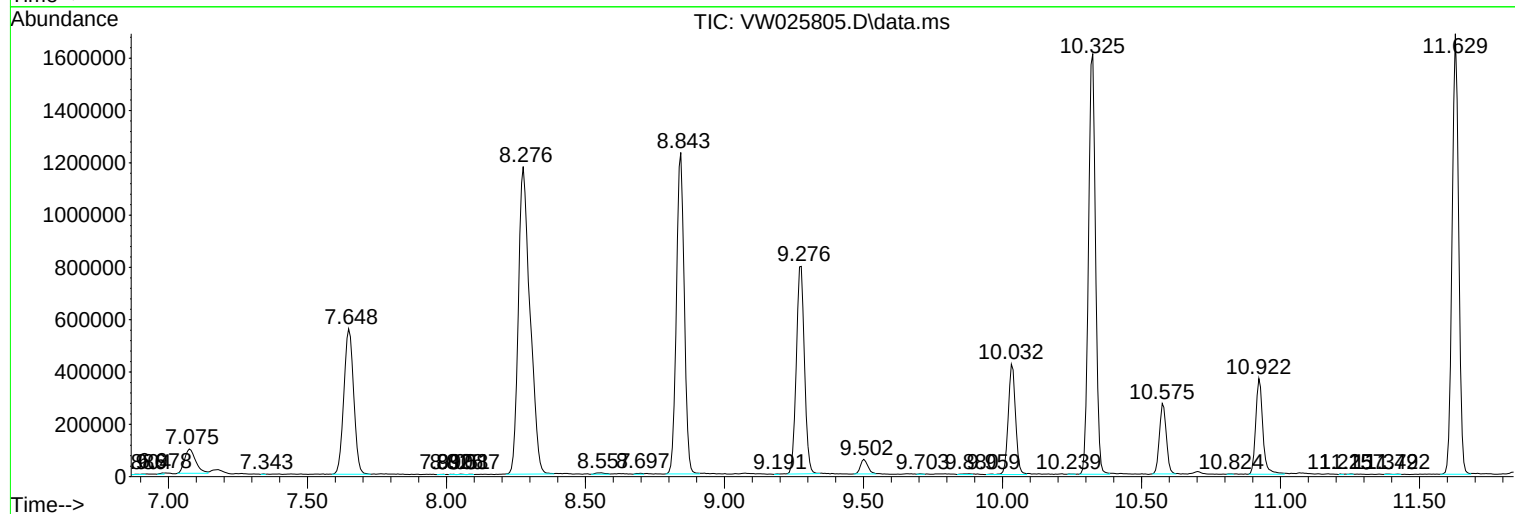
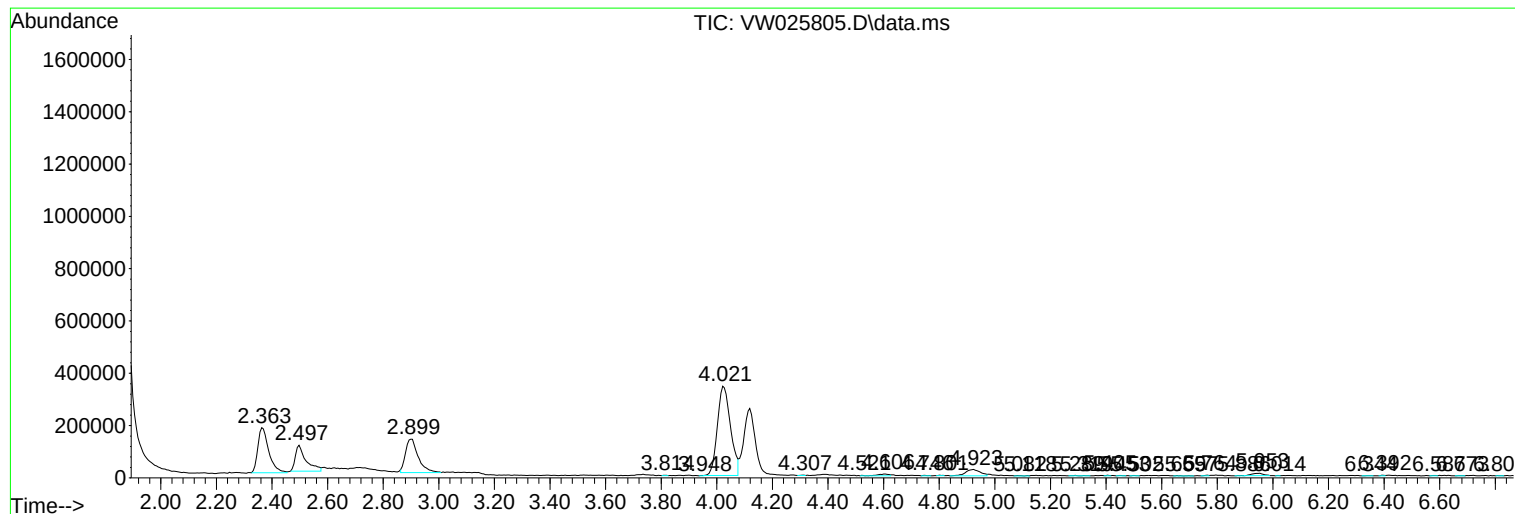
Sum of corrected areas: 24943244

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
Quant Title : SFAM01.0

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



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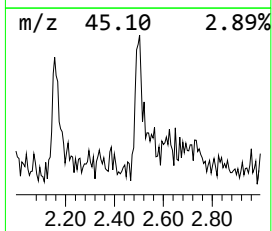
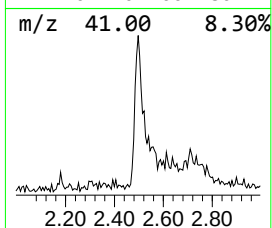
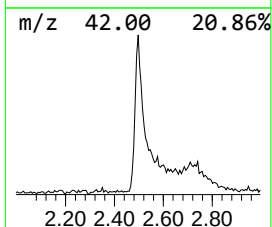
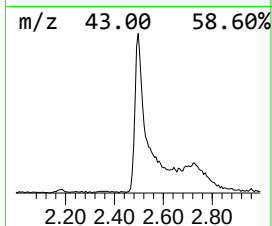
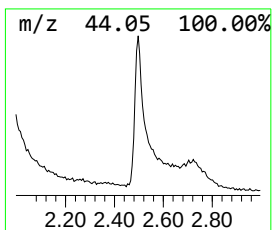
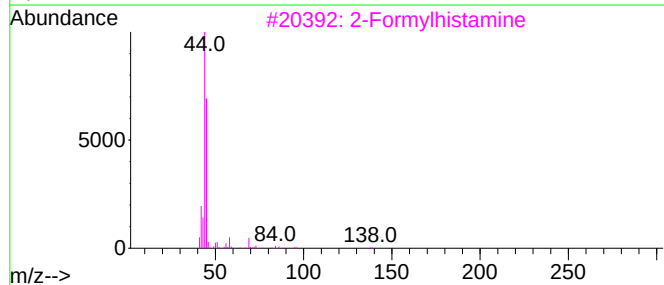
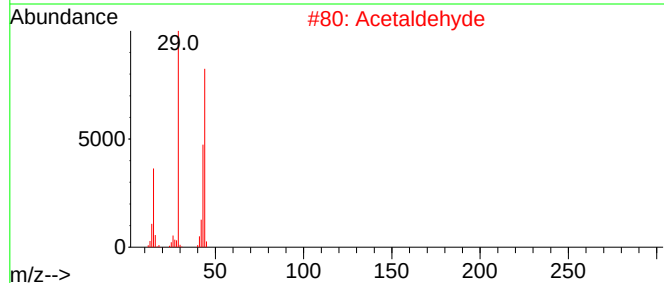
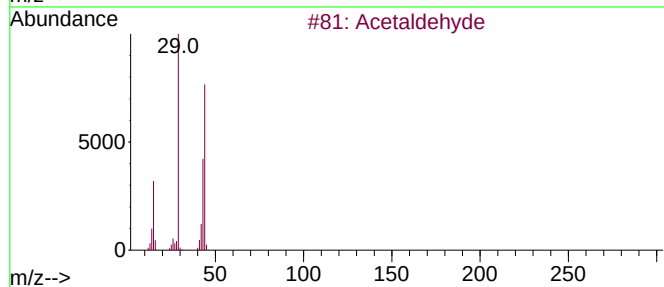
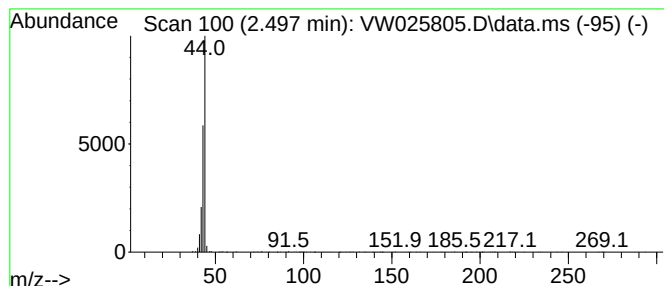
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Acetaldehyde Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 2.497 | 2.76 ug/L | 265340 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------|-----|---------|--------------|------|
| 1    |    |   | Acetaldehyde      | 44  | C2H4O   | 000075-07-0  | 56   |
| 2    |    |   | Acetaldehyde      | 44  | C2H4O   | 000075-07-0  | 9    |
| 3    |    |   | 2-Formylhistamine | 139 | C6H9N3O | 1000132-95-8 | 9    |
| 4    |    |   | Propane           | 44  | C3H8    | 000074-98-6  | 5    |
| 5    |    |   | Ethylene oxide    | 44  | C2H4O   | 000075-21-8  | 5    |



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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Acetaldehyde     | 2.497 | 2.8     | ug/L  | 265340   | 1                     | 8.843 | 2403150 | 25.0 |