

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051922\  
 Data File : VW023177.D  
 Acq On : 19 May 2022 16:55  
 Operator : SY/VA  
 Sample : N2848-20RE  
 Misc : 4.84g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EXXZ9RE

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

Signal : TIC: VW023177.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          | 82           | rBV      | 156018         | 272672        | 19.84%          | 3.262%        |
| 2         | 2.885       | 156           | 161         | 171          | rVB      | 98117          | 207662        | 15.11%          | 2.485%        |
| 3         | 3.330       | 233           | 234         | 237          | rBV3     | 873            | 623           | 0.05%           | 0.007%        |
| 4         | 3.385       | 239           | 243         | 244          | rBV3     | 1477           | 1224          | 0.09%           | 0.015%        |
| 5         | 3.580       | 273           | 275         | 276          | rBV2     | 1104           | 919           | 0.07%           | 0.011%        |
| 6         | 3.812       | 311           | 313         | 314          | rBV2     | 781            | 570           | 0.04%           | 0.007%        |
| 7         | 3.843       | 314           | 318         | 319          | rVB4     | 919            | 1057          | 0.08%           | 0.013%        |
| 8         | 3.891       | 319           | 326         | 328          | rBV6     | 935            | 1801          | 0.13%           | 0.022%        |
| 9         | 3.910       | 328           | 329         | 332          | rVB3     | 782            | 524           | 0.04%           | 0.006%        |
| 10        | 4.019       | 336           | 347         | 360          | rBV2     | 159083         | 475663        | 34.61%          | 5.691%        |
| 11        | 4.410       | 410           | 411         | 415          | rVB4     | 1057           | 883           | 0.06%           | 0.011%        |
| 12        | 4.635       | 444           | 448         | 450          | rVB5     | 863            | 1174          | 0.09%           | 0.014%        |
| 13        | 5.098       | 521           | 524         | 526          | rBV3     | 807            | 1137          | 0.08%           | 0.014%        |
| 14        | 5.312       | 557           | 559         | 562          | rVB2     | 1004           | 928           | 0.07%           | 0.011%        |
| 15        | 5.342       | 562           | 564         | 569          | rBV4     | 1313           | 2115          | 0.15%           | 0.025%        |
| 16        | 5.403       | 572           | 574         | 575          | rVV2     | 861            | 466           | 0.03%           | 0.006%        |
| 17        | 5.574       | 601           | 602         | 604          | rBV2     | 671            | 592           | 0.04%           | 0.007%        |
| 18        | 5.635       | 610           | 612         | 614          | rVB2     | 1588           | 1007          | 0.07%           | 0.012%        |
| 19        | 5.690       | 619           | 621         | 622          | rVB2     | 719            | 494           | 0.04%           | 0.006%        |
| 20        | 5.702       | 622           | 623         | 624          | rBV      | 822            | 547           | 0.04%           | 0.007%        |
| 21        | 5.720       | 624           | 626         | 628          | rBV2     | 822            | 558           | 0.04%           | 0.007%        |
| 22        | 5.775       | 633           | 635         | 637          | rVB3     | 844            | 753           | 0.05%           | 0.009%        |
| 23        | 5.800       | 637           | 639         | 643          | rBV5     | 1715           | 2179          | 0.16%           | 0.026%        |
| 24        | 5.830       | 643           | 644         | 646          | rBV2     | 895            | 798           | 0.06%           | 0.010%        |
| 25        | 5.873       | 648           | 651         | 652          | rBV2     | 572            | 599           | 0.04%           | 0.007%        |
| 26        | 6.007       | 671           | 673         | 677          | rVB2     | 1256           | 1036          | 0.08%           | 0.012%        |
| 27        | 6.147       | 694           | 696         | 700          | rBV5     | 1687           | 2068          | 0.15%           | 0.025%        |
| 28        | 6.269       | 715           | 716         | 718          | rBV2     | 528            | 482           | 0.04%           | 0.006%        |
| 29        | 6.287       | 718           | 719         | 720          | rVV      | 763            | 498           | 0.04%           | 0.006%        |
| 30        | 6.330       | 723           | 726         | 729          | rBV4     | 1064           | 1294          | 0.09%           | 0.015%        |
| 31        | 6.488       | 749           | 752         | 755          | rBV5     | 1193           | 1872          | 0.14%           | 0.022%        |
| 32        | 6.519       | 755           | 757         | 759          | rVB2     | 1055           | 850           | 0.06%           | 0.010%        |
| 33        | 6.549       | 759           | 762         | 765          | rBV4     | 847            | 1101          | 0.08%           | 0.013%        |
| 34        | 6.616       | 772           | 773         | 776          | rVV3     | 635            | 604           | 0.04%           | 0.007%        |
| 35        | 6.757       | 793           | 796         | 797          | rBV3     | 773            | 971           | 0.07%           | 0.012%        |
| 36        | 6.891       | 816           | 818         | 819          | rBV2     | 840            | 585           | 0.04%           | 0.007%        |

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Integrator: RTE

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 7.019  | 836  | 839  | 842  | rBV5 | 1110   | 1323    | 0.10%   | 0.016%  |
| 38 | 7.086  | 842  | 850  | 860  | rBV  | 33282  | 98552   | 7.17%   | 1.179%  |
| 39 | 7.379  | 896  | 898  | 903  | rVB5 | 1126   | 1394    | 0.10%   | 0.017%  |
| 40 | 7.421  | 903  | 905  | 906  | rBV2 | 829    | 533     | 0.04%   | 0.006%  |
| 41 | 7.543  | 917  | 925  | 932  | rBV8 | 3219   | 10291   | 0.75%   | 0.123%  |
| 42 | 7.653  | 934  | 943  | 958  | rVB  | 223366 | 580110  | 42.21%  | 6.941%  |
| 43 | 7.842  | 973  | 974  | 977  | rBV3 | 727    | 783     | 0.06%   | 0.009%  |
| 44 | 7.915  | 985  | 986  | 988  | rBV2 | 1106   | 655     | 0.05%   | 0.008%  |
| 45 | 7.958  | 988  | 993  | 998  | rVV7 | 3008   | 6207    | 0.45%   | 0.074%  |
| 46 | 8.000  | 998  | 1000 | 1002 | rVB2 | 1388   | 958     | 0.07%   | 0.011%  |
| 47 | 8.061  | 1008 | 1010 | 1015 | rVB5 | 1161   | 1567    | 0.11%   | 0.019%  |
| 48 | 8.110  | 1015 | 1018 | 1020 | rBV3 | 703    | 913     | 0.07%   | 0.011%  |
| 49 | 8.275  | 1035 | 1045 | 1061 | rBV2 | 476255 | 1374194 | 100.00% | 16.441% |
| 50 | 8.689  | 1108 | 1113 | 1122 | rBV9 | 1355   | 4381    | 0.32%   | 0.052%  |
| 51 | 8.842  | 1129 | 1138 | 1147 | rBV  | 279492 | 560090  | 40.76%  | 6.701%  |
| 52 | 9.079  | 1169 | 1177 | 1186 | rBV2 | 65261  | 131436  | 9.56%   | 1.573%  |
| 53 | 9.165  | 1189 | 1191 | 1195 | rVB5 | 1006   | 1133    | 0.08%   | 0.014%  |
| 54 | 9.207  | 1196 | 1198 | 1200 | rBV3 | 1101   | 637     | 0.05%   | 0.008%  |
| 55 | 9.275  | 1200 | 1209 | 1218 | rBV  | 311047 | 624133  | 45.42%  | 7.467%  |
| 56 | 9.506  | 1245 | 1247 | 1250 | rBV4 | 890    | 1039    | 0.08%   | 0.012%  |
| 57 | 9.622  | 1264 | 1266 | 1267 | rVB2 | 1044   | 571     | 0.04%   | 0.007%  |
| 58 | 9.671  | 1267 | 1274 | 1277 | rBV6 | 2557   | 3920    | 0.29%   | 0.047%  |
| 59 | 9.884  | 1306 | 1309 | 1310 | rBV3 | 1355   | 1210    | 0.09%   | 0.014%  |
| 60 | 10.037 | 1326 | 1334 | 1343 | rBV  | 155970 | 280123  | 20.38%  | 3.351%  |
| 61 | 10.262 | 1368 | 1371 | 1372 | rVB3 | 979    | 850     | 0.06%   | 0.010%  |
| 62 | 10.323 | 1372 | 1381 | 1389 | rBV  | 692015 | 1181767 | 86.00%  | 14.139% |
| 63 | 10.579 | 1416 | 1423 | 1434 | rBV  | 92903  | 161893  | 11.78%  | 1.937%  |
| 64 | 10.671 | 1436 | 1438 | 1439 | rBV2 | 967    | 804     | 0.06%   | 0.010%  |
| 65 | 10.750 | 1449 | 1451 | 1455 | rBV5 | 765    | 905     | 0.07%   | 0.011%  |
| 66 | 10.811 | 1457 | 1461 | 1462 | rVB2 | 756    | 744     | 0.05%   | 0.009%  |
| 67 | 10.860 | 1465 | 1469 | 1472 | rBV5 | 1360   | 1976    | 0.14%   | 0.024%  |
| 68 | 10.927 | 1473 | 1480 | 1488 | rBV  | 124070 | 218187  | 15.88%  | 2.610%  |
| 69 | 11.488 | 1570 | 1572 | 1573 | rBV2 | 836    | 738     | 0.05%   | 0.009%  |
| 70 | 11.530 | 1577 | 1579 | 1582 | rVB3 | 780    | 1081    | 0.08%   | 0.013%  |
| 71 | 11.628 | 1587 | 1595 | 1605 | rVV  | 372969 | 633421  | 46.09%  | 7.578%  |
| 72 | 11.713 | 1608 | 1609 | 1610 | rBV  | 1679   | 915     | 0.07%   | 0.011%  |
| 73 | 11.920 | 1641 | 1643 | 1648 | rVB5 | 1027   | 1704    | 0.12%   | 0.020%  |
| 74 | 12.030 | 1660 | 1661 | 1665 | rBV3 | 711    | 760     | 0.06%   | 0.009%  |
| 75 | 12.109 | 1673 | 1674 | 1677 | rBV3 | 932    | 977     | 0.07%   | 0.012%  |
| 76 | 12.256 | 1697 | 1698 | 1702 | rVB4 | 694    | 702     | 0.05%   | 0.008%  |

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 MSVOA\_W  
 ClientSampleId :  
 EXXZ9RE

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.469 | 1730 | 1733 | 1738 | rVB5 | 3535   | 5610   | 0.41%  | 0.067% |
| 78  | 12.567 | 1748 | 1749 | 1750 | rBV  | 1266   | 858    | 0.06%  | 0.010% |
| 79  | 12.603 | 1750 | 1755 | 1761 | rVB6 | 6429   | 13205  | 0.96%  | 0.158% |
| 80  | 12.689 | 1763 | 1769 | 1777 | rVV  | 179975 | 299568 | 21.80% | 3.584% |
| 81  | 12.762 | 1779 | 1781 | 1782 | rBV2 | 637    | 464    | 0.03%  | 0.006% |
| 82  | 13.249 | 1857 | 1861 | 1863 | rBV4 | 1751   | 2307   | 0.17%  | 0.028% |
| 83  | 13.329 | 1872 | 1874 | 1877 | rVB3 | 1011   | 833    | 0.06%  | 0.010% |
| 84  | 13.402 | 1884 | 1886 | 1890 | rVB4 | 1838   | 1832   | 0.13%  | 0.022% |
| 85  | 13.469 | 1895 | 1897 | 1898 | rBV2 | 1419   | 811    | 0.06%  | 0.010% |
| 86  | 13.554 | 1904 | 1911 | 1922 | rBV  | 290688 | 470756 | 34.26% | 5.632% |
| 87  | 13.853 | 1952 | 1960 | 1967 | rBV  | 388721 | 662335 | 48.20% | 7.924% |
| 88  | 14.322 | 2031 | 2037 | 2041 | rBV7 | 2521   | 4100   | 0.30%  | 0.049% |
| 89  | 14.450 | 2057 | 2058 | 2062 | rVB4 | 889    | 825    | 0.06%  | 0.010% |
| 90  | 14.487 | 2062 | 2064 | 2066 | rBV2 | 1022   | 838    | 0.06%  | 0.010% |
| 91  | 14.591 | 2078 | 2081 | 2082 | rBV3 | 775    | 868    | 0.06%  | 0.010% |
| 92  | 15.084 | 2160 | 2162 | 2163 | rBV2 | 862    | 664    | 0.05%  | 0.008% |
| 93  | 15.298 | 2194 | 2197 | 2201 | rBV6 | 1508   | 2408   | 0.18%  | 0.029% |
| 94  | 15.438 | 2217 | 2220 | 2223 | rBV4 | 1147   | 1658   | 0.12%  | 0.020% |
| 95  | 15.706 | 2262 | 2264 | 2265 | rBV2 | 910    | 781    | 0.06%  | 0.009% |
| 96  | 15.968 | 2305 | 2307 | 2310 | rVB3 | 1738   | 1229   | 0.09%  | 0.015% |
| 97  | 15.999 | 2310 | 2312 | 2313 | rBV2 | 1345   | 1265   | 0.09%  | 0.015% |
| 98  | 16.224 | 2346 | 2349 | 2350 | rBV3 | 1468   | 1189   | 0.09%  | 0.014% |
| 99  | 16.365 | 2370 | 2372 | 2374 | rBV3 | 1804   | 1441   | 0.10%  | 0.017% |
| 100 | 16.499 | 2392 | 2394 | 2396 | rVB2 | 950    | 504    | 0.04%  | 0.006% |

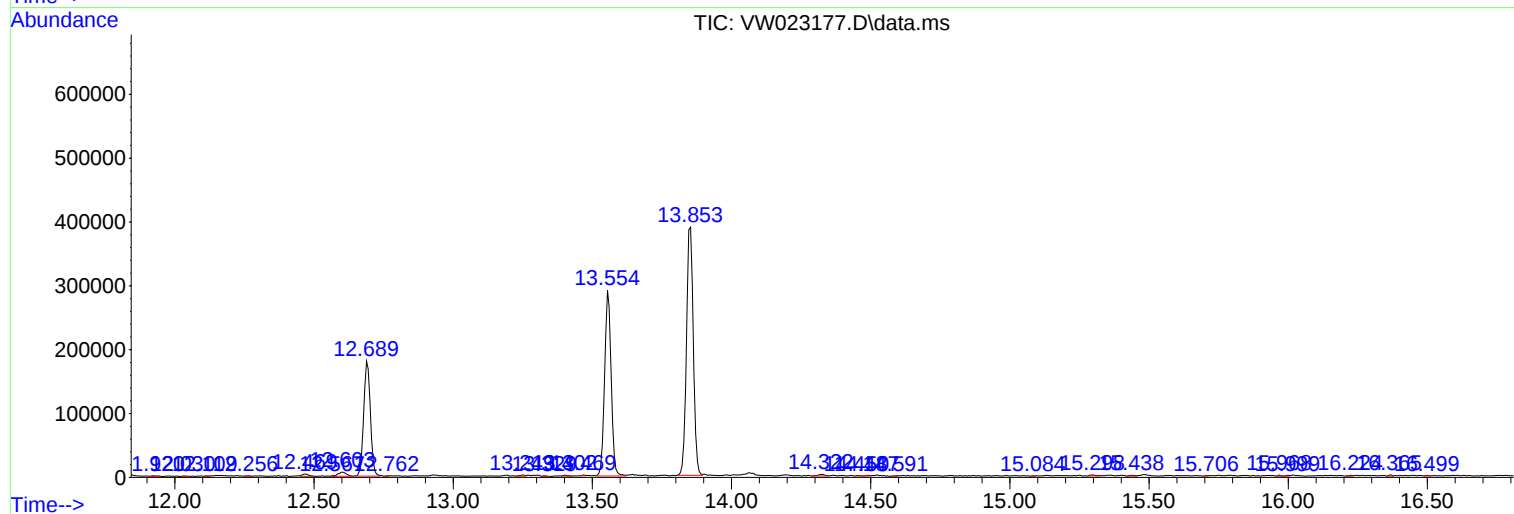
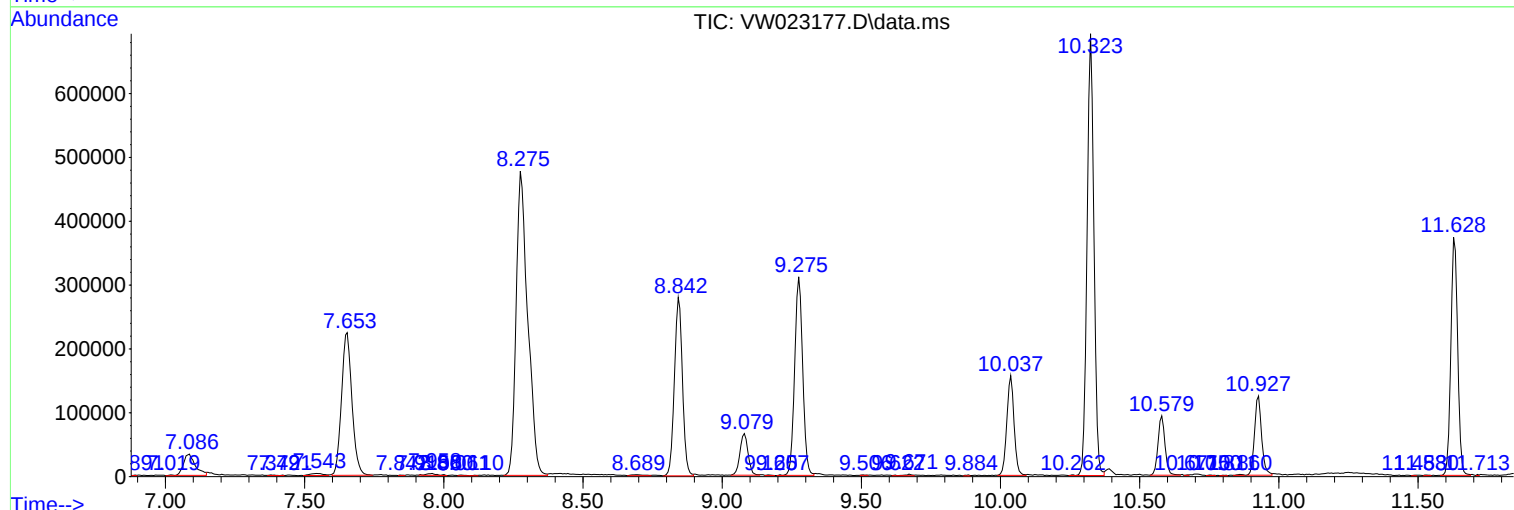
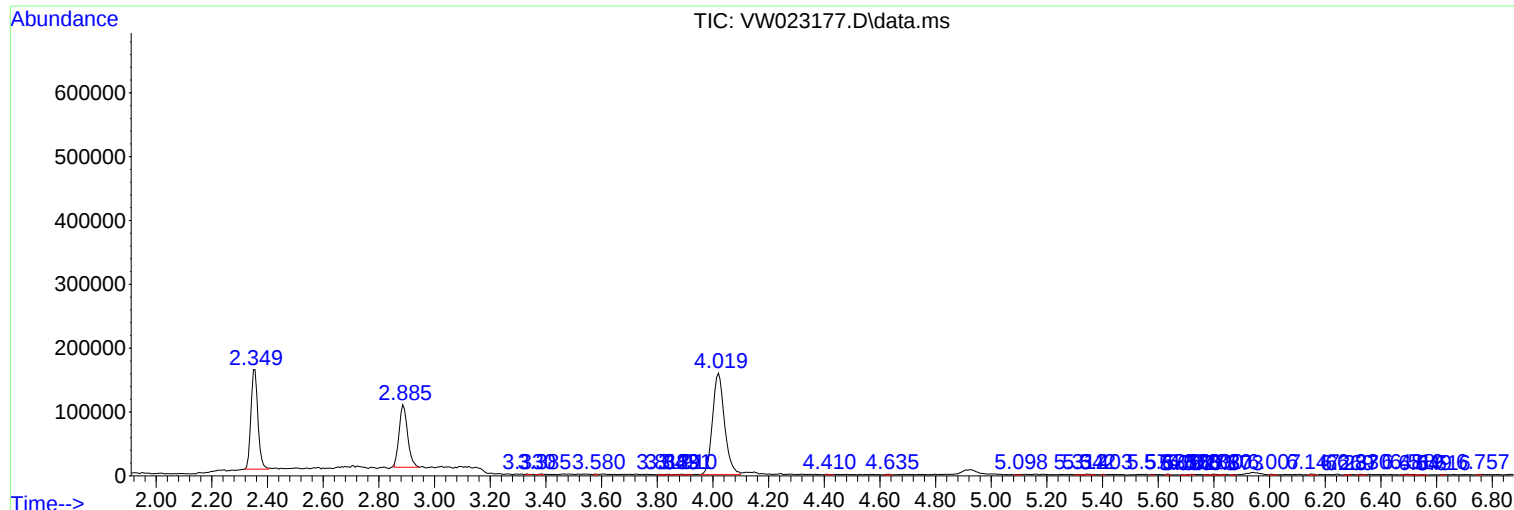
Sum of corrected areas: 8358232

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Instrument :  
MSVOA\_W  
ClientSampleId :  
EXXZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051922\  
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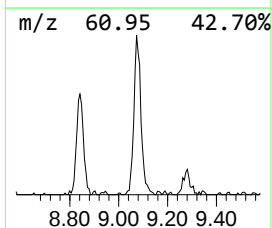
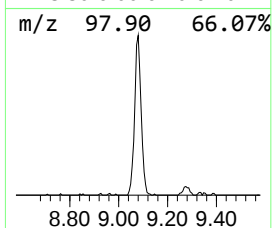
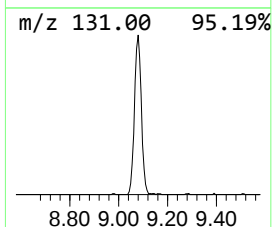
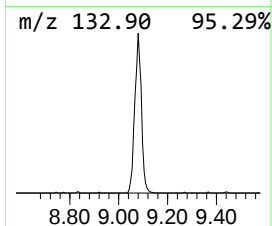
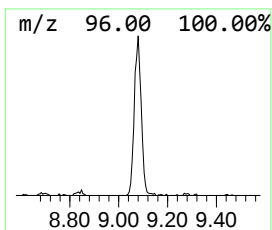
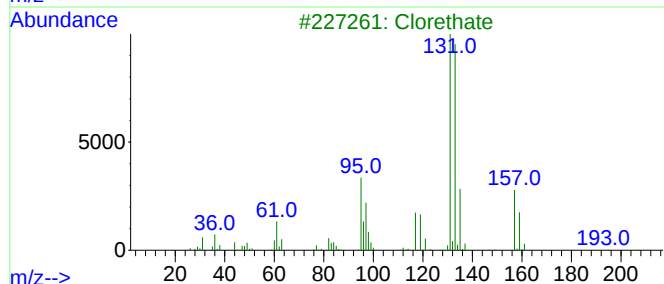
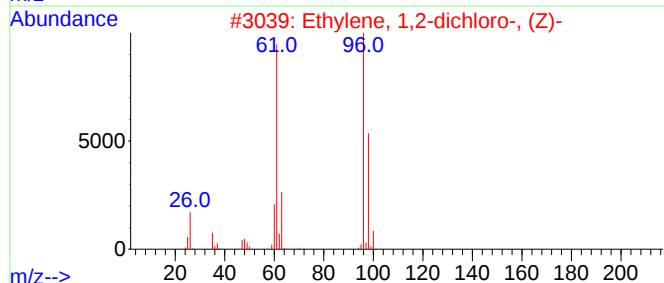
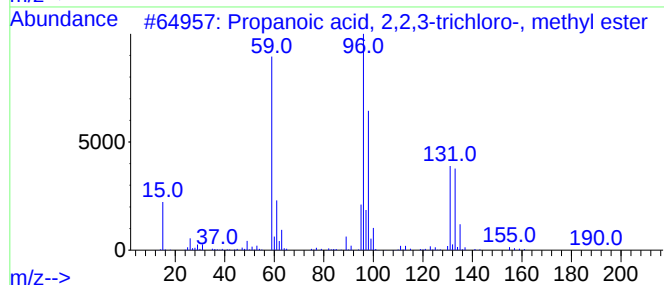
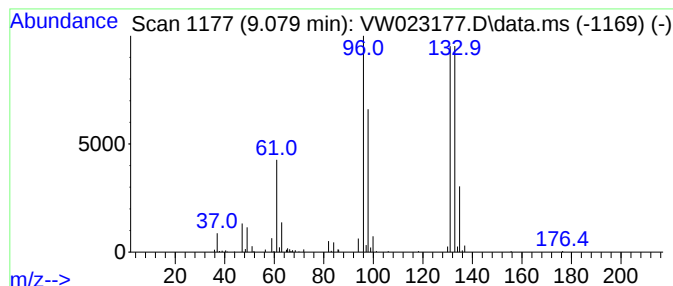
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.079 | 5.87 ug/L | 131436 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 39   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 27   |
| 3    |    |   | Clorelthate                         | 322 | C5H4Cl6O3 | 005634-37-7  | 25   |
| 4    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 23   |
| 5    |    |   | 2-Chloro-5-methylthiazole           | 133 | C4H4ClNS  | 033342-65-3  | 22   |



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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 |
| unknown-01       | 9.079 | 5.9     | ug/L  | 131436   | 1                     | 8.842 | 560090 | 25.0 |