

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112223\  
 Data File : VD077675.D  
 Acq On : 22 Nov 2023 17:16  
 Operator : JC/SY  
 Sample : 05497-01  
 Misc : 3.05G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AB0

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\_D\Method\SFAMDLM110923SMA.M  
 Title : SFAM01.0

Signal : TIC: VD077675.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         | 1.693       | 12            | 18          | 19           | rBV      | 4699           | 7079          | 0.67%           | 0.083%        |
| 2         | 1.740       | 19            | 26          | 37           | rVB      | 543463         | 928200        | 87.94%          | 10.919%       |
| 3         | 2.075       | 81            | 83          | 84           | rBV2     | 1728           | 1032          | 0.10%           | 0.012%        |
| 4         | 2.275       | 112           | 117         | 125          | rVB      | 145466         | 210271        | 19.92%          | 2.474%        |
| 5         | 2.805       | 200           | 207         | 214          | rBV      | 121317         | 232510        | 22.03%          | 2.735%        |
| 6         | 3.228       | 276           | 279         | 281          | rBV2     | 956            | 1018          | 0.10%           | 0.012%        |
| 7         | 3.493       | 323           | 324         | 327          | rVB2     | 1252           | 840           | 0.08%           | 0.010%        |
| 8         | 3.522       | 327           | 329         | 332          | rBV2     | 776            | 972           | 0.09%           | 0.011%        |
| 9         | 3.569       | 335           | 337         | 339          | rVB2     | 1248           | 1186          | 0.11%           | 0.014%        |
| 10        | 3.922       | 384           | 397         | 410          | rBV      | 129900         | 349918        | 33.15%          | 4.116%        |
| 11        | 4.158       | 433           | 437         | 440          | rBV3     | 740            | 933           | 0.09%           | 0.011%        |
| 12        | 4.193       | 440           | 443         | 446          | rBV2     | 831            | 1246          | 0.12%           | 0.015%        |
| 13        | 4.269       | 454           | 456         | 457          | rBV2     | 1152           | 893           | 0.08%           | 0.011%        |
| 14        | 4.428       | 481           | 483         | 485          | rVB2     | 1104           | 845           | 0.08%           | 0.010%        |
| 15        | 4.487       | 490           | 493         | 496          | rBV2     | 1001           | 1265          | 0.12%           | 0.015%        |
| 16        | 4.728       | 533           | 534         | 536          | rBV      | 989            | 920           | 0.09%           | 0.011%        |
| 17        | 4.805       | 536           | 547         | 557          | rVV3     | 42533          | 139285        | 13.20%          | 1.639%        |
| 18        | 4.911       | 564           | 565         | 570          | rBV      | 754            | 1049          | 0.10%           | 0.012%        |
| 19        | 4.999       | 579           | 580         | 582          | rVV      | 1455           | 814           | 0.08%           | 0.010%        |
| 20        | 5.016       | 582           | 583         | 586          | rVB2     | 1151           | 811           | 0.08%           | 0.010%        |
| 21        | 5.205       | 611           | 615         | 618          | rVV2     | 1062           | 1262          | 0.12%           | 0.015%        |
| 22        | 5.311       | 629           | 633         | 636          | rBV3     | 1178           | 1390          | 0.13%           | 0.016%        |
| 23        | 5.440       | 651           | 655         | 658          | rBV2     | 633            | 921           | 0.09%           | 0.011%        |
| 24        | 5.593       | 679           | 681         | 684          | rBV2     | 739            | 877           | 0.08%           | 0.010%        |
| 25        | 5.716       | 700           | 702         | 706          | rVB3     | 979            | 1194          | 0.11%           | 0.014%        |
| 26        | 5.811       | 716           | 718         | 719          | rBV      | 1129           | 929           | 0.09%           | 0.011%        |
| 27        | 5.822       | 719           | 720         | 722          | rBV2     | 2097           | 2018          | 0.19%           | 0.024%        |
| 28        | 6.087       | 764           | 765         | 769          | rVV2     | 973            | 1090          | 0.10%           | 0.013%        |
| 29        | 6.128       | 771           | 772         | 776          | rVV2     | 1232           | 1100          | 0.10%           | 0.013%        |
| 30        | 6.187       | 780           | 782         | 784          | rVV2     | 967            | 845           | 0.08%           | 0.010%        |
| 31        | 6.240       | 789           | 791         | 793          | rVV2     | 1054           | 1011          | 0.10%           | 0.012%        |
| 32        | 6.340       | 805           | 808         | 811          | rVV      | 1165           | 1363          | 0.13%           | 0.016%        |
| 33        | 6.381       | 813           | 815         | 818          | rVV      | 966            | 1207          | 0.11%           | 0.014%        |
| 34        | 6.440       | 823           | 825         | 827          | rVB      | 1512           | 972           | 0.09%           | 0.011%        |
| 35        | 6.481       | 829           | 832         | 834          | rVV      | 1392           | 1557          | 0.15%           | 0.018%        |
| 36        | 6.822       | 886           | 890         | 892          | rBV      | 830            | 1267          | 0.12%           | 0.015%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

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Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 6.869  | 895  | 898  | 900  | rVB2 | 974    | 945     | 0.09%   | 0.011%  |
| 38 | 6.905  | 900  | 904  | 905  | rBV  | 861    | 1164    | 0.11%   | 0.014%  |
| 39 | 6.993  | 909  | 919  | 925  | rBV  | 30242  | 84011   | 7.96%   | 0.988%  |
| 40 | 7.158  | 945  | 947  | 952  | rVB2 | 1625   | 1717    | 0.16%   | 0.020%  |
| 41 | 7.222  | 955  | 958  | 960  | rBV2 | 1140   | 1247    | 0.12%   | 0.015%  |
| 42 | 7.410  | 989  | 990  | 993  | rBV  | 1075   | 1089    | 0.10%   | 0.013%  |
| 43 | 7.569  | 1007 | 1017 | 1029 | rBV  | 190089 | 480013  | 45.48%  | 5.647%  |
| 44 | 7.705  | 1039 | 1040 | 1042 | rBV  | 1192   | 817     | 0.08%   | 0.010%  |
| 45 | 7.875  | 1067 | 1069 | 1072 | rBV2 | 1652   | 1674    | 0.16%   | 0.020%  |
| 46 | 8.010  | 1089 | 1092 | 1094 | rVB  | 892    | 881     | 0.08%   | 0.010%  |
| 47 | 8.205  | 1114 | 1125 | 1140 | rVV2 | 347705 | 1055449 | 100.00% | 12.416% |
| 48 | 8.369  | 1151 | 1153 | 1156 | rVB3 | 1123   | 1022    | 0.10%   | 0.012%  |
| 49 | 8.393  | 1156 | 1157 | 1159 | rBV  | 1187   | 914     | 0.09%   | 0.011%  |
| 50 | 8.410  | 1159 | 1160 | 1162 | rVB2 | 1703   | 916     | 0.09%   | 0.011%  |
| 51 | 8.446  | 1164 | 1166 | 1171 | rVV2 | 1194   | 1363    | 0.13%   | 0.016%  |
| 52 | 8.540  | 1177 | 1182 | 1183 | rBV2 | 1105   | 1093    | 0.10%   | 0.013%  |
| 53 | 8.687  | 1203 | 1207 | 1208 | rBV3 | 1046   | 1213    | 0.11%   | 0.014%  |
| 54 | 8.775  | 1214 | 1222 | 1233 | rBV  | 368210 | 767446  | 72.71%  | 9.028%  |
| 55 | 9.010  | 1260 | 1262 | 1266 | rVB2 | 1911   | 2395    | 0.23%   | 0.028%  |
| 56 | 9.069  | 1266 | 1272 | 1274 | rVB2 | 963    | 1220    | 0.12%   | 0.014%  |
| 57 | 9.099  | 1274 | 1277 | 1279 | rBV2 | 933    | 1052    | 0.10%   | 0.012%  |
| 58 | 9.210  | 1287 | 1296 | 1306 | rBV  | 254132 | 535030  | 50.69%  | 6.294%  |
| 59 | 9.522  | 1345 | 1349 | 1351 | rBV  | 941    | 983     | 0.09%   | 0.012%  |
| 60 | 9.604  | 1360 | 1363 | 1366 | rBV3 | 1241   | 1710    | 0.16%   | 0.020%  |
| 61 | 9.875  | 1407 | 1409 | 1413 | rVV2 | 886    | 875     | 0.08%   | 0.010%  |
| 62 | 9.981  | 1419 | 1427 | 1437 | rBV  | 138188 | 256866  | 24.34%  | 3.022%  |
| 63 | 10.269 | 1467 | 1476 | 1489 | rBV  | 440444 | 810775  | 76.82%  | 9.538%  |
| 64 | 10.528 | 1513 | 1520 | 1532 | rVB  | 82889  | 148339  | 14.05%  | 1.745%  |
| 65 | 10.669 | 1538 | 1544 | 1552 | rVB3 | 12111  | 20582   | 1.95%   | 0.242%  |
| 66 | 10.804 | 1564 | 1567 | 1568 | rBV2 | 1242   | 862     | 0.08%   | 0.010%  |
| 67 | 10.875 | 1572 | 1579 | 1592 | rBV  | 113516 | 211426  | 20.03%  | 2.487%  |
| 68 | 11.028 | 1600 | 1605 | 1612 | rVB  | 18236  | 31108   | 2.95%   | 0.366%  |
| 69 | 11.128 | 1620 | 1622 | 1624 | rVB  | 1345   | 882     | 0.08%   | 0.010%  |
| 70 | 11.240 | 1639 | 1641 | 1644 | rVB2 | 1089   | 1168    | 0.11%   | 0.014%  |
| 71 | 11.410 | 1665 | 1670 | 1673 | rVB4 | 4139   | 6114    | 0.58%   | 0.072%  |
| 72 | 11.581 | 1692 | 1699 | 1708 | rBV  | 501225 | 827629  | 78.41%  | 9.736%  |
| 73 | 11.669 | 1713 | 1714 | 1717 | rBV2 | 1396   | 1007    | 0.10%   | 0.012%  |
| 74 | 11.993 | 1766 | 1769 | 1772 | rBV2 | 1121   | 1261    | 0.12%   | 0.015%  |
| 75 | 12.069 | 1780 | 1782 | 1785 | rBV2 | 842    | 962     | 0.09%   | 0.011%  |
| 76 | 12.098 | 1785 | 1787 | 1789 | rBV  | 1107   | 849     | 0.08%   | 0.010%  |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 C0AB0

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\_D\Method\SFAMDLM110923SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.122 | 1789 | 1791 | 1793 | rBV  | 1565   | 1351   | 0.13%  | 0.016% |
| 78  | 12.198 | 1802 | 1804 | 1805 | rBV  | 1815   | 1133   | 0.11%  | 0.013% |
| 79  | 12.269 | 1814 | 1816 | 1817 | rBV2 | 1218   | 1046   | 0.10%  | 0.012% |
| 80  | 12.581 | 1863 | 1869 | 1875 | rVB  | 18277  | 27255  | 2.58%  | 0.321% |
| 81  | 12.651 | 1875 | 1881 | 1890 | rVB  | 168294 | 274324 | 25.99% | 3.227% |
| 82  | 12.740 | 1895 | 1896 | 1899 | rBV2 | 1068   | 963    | 0.09%  | 0.011% |
| 83  | 12.828 | 1905 | 1911 | 1913 | rVB4 | 1542   | 2212   | 0.21%  | 0.026% |
| 84  | 12.857 | 1913 | 1916 | 1920 | rBV2 | 1453   | 2288   | 0.22%  | 0.027% |
| 85  | 12.898 | 1920 | 1923 | 1925 | rBV  | 2022   | 2353   | 0.22%  | 0.028% |
| 86  | 13.363 | 2000 | 2002 | 2005 | rVB  | 1423   | 1355   | 0.13%  | 0.016% |
| 87  | 13.469 | 2014 | 2020 | 2021 | rBV3 | 1088   | 1583   | 0.15%  | 0.019% |
| 88  | 13.516 | 2022 | 2028 | 2037 | rVB  | 335424 | 544031 | 51.54% | 6.400% |
| 89  | 13.628 | 2046 | 2047 | 2049 | rBV2 | 1086   | 812    | 0.08%  | 0.010% |
| 90  | 13.816 | 2072 | 2079 | 2087 | rBV  | 256803 | 427102 | 40.47% | 5.024% |
| 91  | 13.987 | 2106 | 2108 | 2110 | rBV2 | 1716   | 1048   | 0.10%  | 0.012% |
| 92  | 14.051 | 2113 | 2119 | 2124 | rVB3 | 14004  | 22463  | 2.13%  | 0.264% |
| 93  | 14.257 | 2153 | 2154 | 2157 | rVV2 | 1163   | 883    | 0.08%  | 0.010% |
| 94  | 14.792 | 2243 | 2245 | 2246 | rBV  | 1594   | 985    | 0.09%  | 0.012% |
| 95  | 15.481 | 2357 | 2362 | 2368 | rVB5 | 7958   | 14150  | 1.34%  | 0.166% |
| 96  | 15.539 | 2371 | 2372 | 2375 | rBV2 | 2571   | 2339   | 0.22%  | 0.028% |
| 97  | 15.775 | 2410 | 2412 | 2415 | rVB4 | 1948   | 1573   | 0.15%  | 0.019% |
| 98  | 16.098 | 2466 | 2467 | 2469 | rVB2 | 2299   | 1011   | 0.10%  | 0.012% |
| 99  | 16.116 | 2469 | 2470 | 2471 | rBV  | 1899   | 1060   | 0.10%  | 0.012% |
| 100 | 16.586 | 2548 | 2550 | 2552 | rBV2 | 1578   | 1034   | 0.10%  | 0.012% |

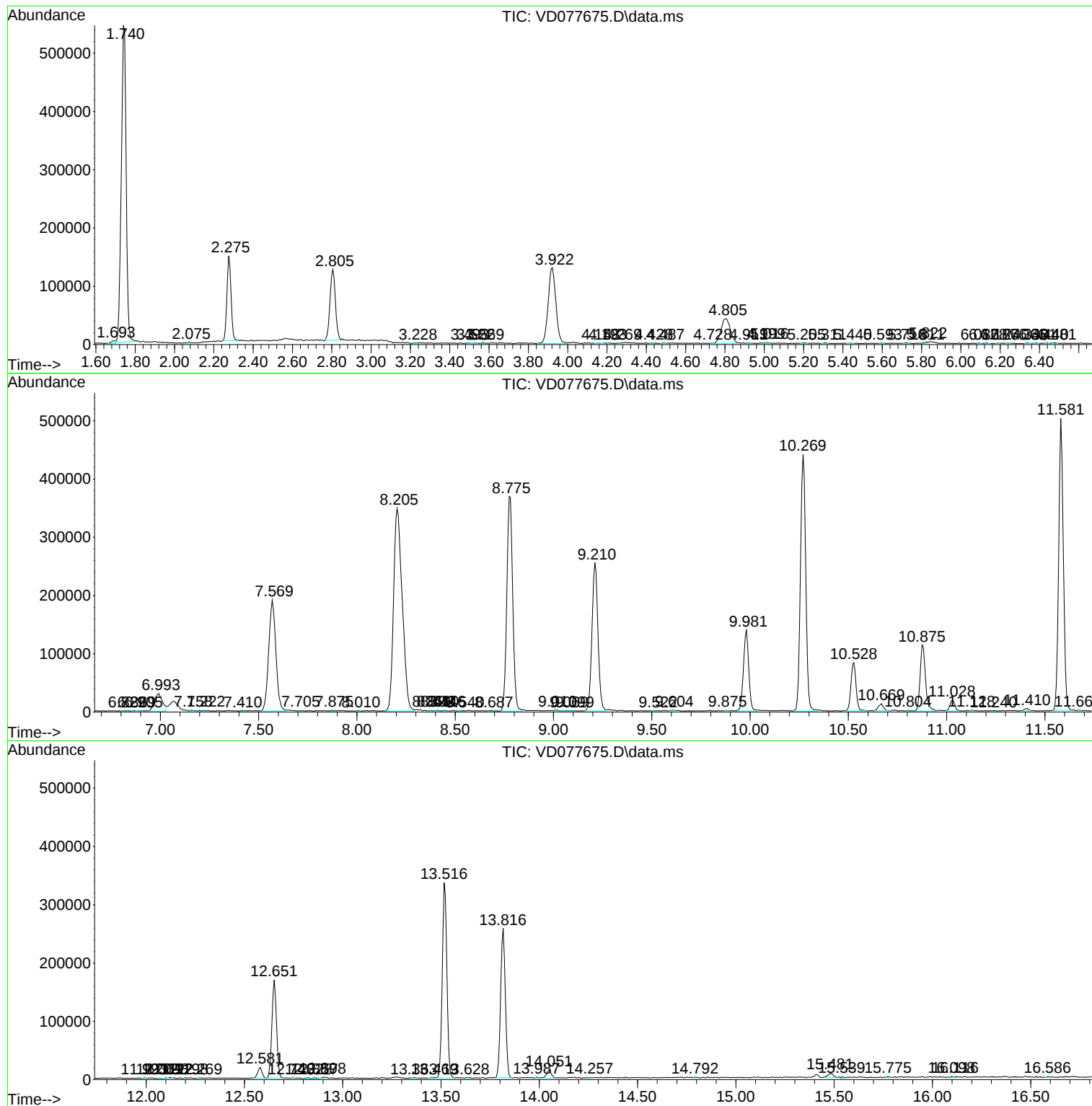
Sum of corrected areas: 8500513

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112223\  
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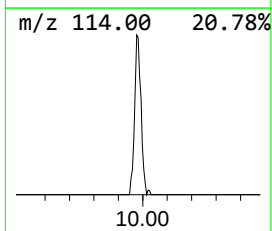
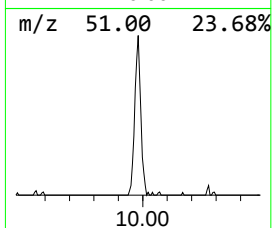
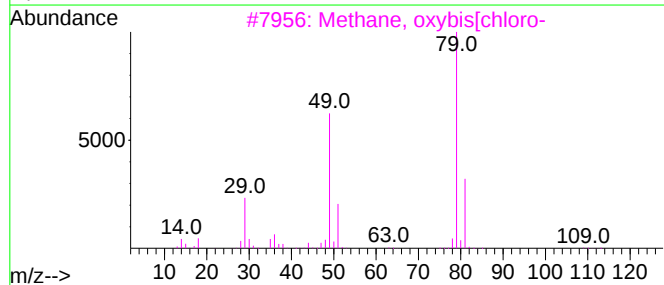
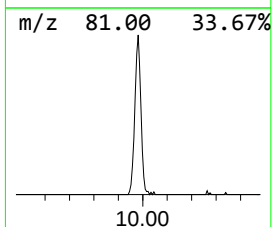
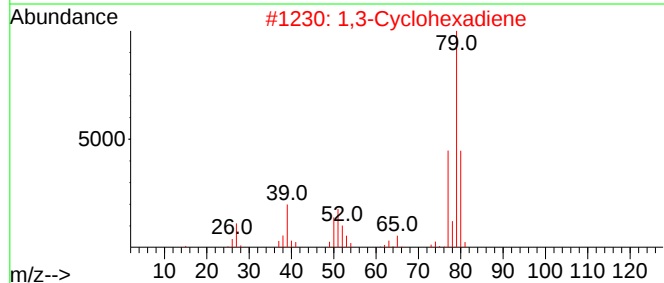
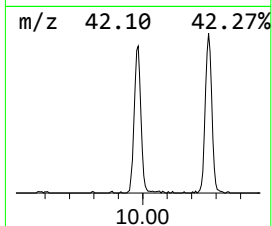
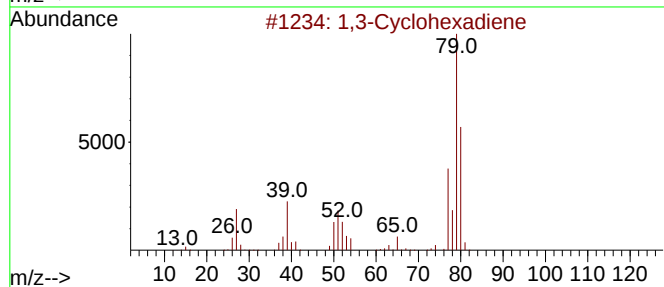
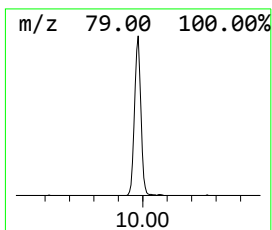
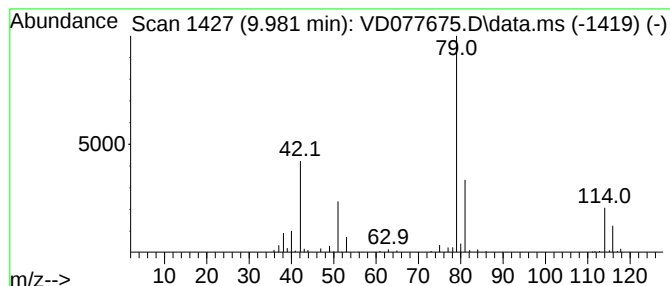
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
Quant Title : SFAM01.0

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

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

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.981 | 8.37 ug/L | 256866 | 1,4-Difluorobenzene | 8.781 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 28   |
| 2    |    |   | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 28   |
| 3    |    |   | Methane, oxybis[chloro- | 114 | C2H4Cl2O | 000542-88-1 | 25   |
| 4    |    |   | Methane, oxybis[chloro- | 114 | C2H4Cl2O | 000542-88-1 | 25   |
| 5    |    |   | 1,3-Cyclohexadiene      | 80  | C6H8     | 000592-57-4 | 25   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 9.981 | 8.4     | ug/L  | 256866   | 1                     | 8.781 | 767446 | 25.0 |