

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW083121\  
 Data File : VW019953.D  
 Acq On : 31 Aug 2021 13:00  
 Operator : SY/VA  
 Sample : M3579-14  
 Misc : 5.23g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB6B6

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\SFAMWLM081821SMA.M  
 Title : SFAM01.0

Signal : TIC: VW019953.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         | 2.361       | 70            | 75          | 88           | rVB      | 98119          | 200703        | 16.38%          | 1.931%        |
| 2         | 2.898       | 156           | 163         | 180          | rVB      | 84882          | 220207        | 17.97%          | 2.119%        |
| 3         | 3.398       | 238           | 245         | 255          | rVB3     | 3024           | 7590          | 0.62%           | 0.073%        |
| 4         | 3.495       | 259           | 261         | 264          | rBV2     | 240            | 315           | 0.03%           | 0.003%        |
| 5         | 3.580       | 273           | 275         | 276          | rBV2     | 240            | 229           | 0.02%           | 0.002%        |
| 6         | 3.910       | 327           | 329         | 333          | rVB2     | 287            | 337           | 0.03%           | 0.003%        |
| 7         | 4.032       | 337           | 349         | 361          | rBV      | 118128         | 390586        | 31.88%          | 3.759%        |
| 8         | 4.391       | 400           | 408         | 415          | rBV2     | 1811           | 5126          | 0.42%           | 0.049%        |
| 9         | 4.562       | 435           | 436         | 441          | rVB2     | 311            | 281           | 0.02%           | 0.003%        |
| 10        | 4.684       | 448           | 456         | 457          | rBV3     | 746            | 1152          | 0.09%           | 0.011%        |
| 11        | 4.928       | 484           | 496         | 507          | rBV3     | 7965           | 30203         | 2.47%           | 0.291%        |
| 12        | 5.330       | 559           | 562         | 563          | rBV2     | 340            | 290           | 0.02%           | 0.003%        |
| 13        | 5.367       | 566           | 568         | 569          | rBV2     | 286            | 202           | 0.02%           | 0.002%        |
| 14        | 5.793       | 631           | 638         | 646          | rVV5     | 1769           | 5477          | 0.45%           | 0.053%        |
| 15        | 5.958       | 656           | 665         | 673          | rVV5     | 5105           | 15389         | 1.26%           | 0.148%        |
| 16        | 6.123       | 684           | 692         | 700          | rVB4     | 861            | 2611          | 0.21%           | 0.025%        |
| 17        | 6.586       | 765           | 768         | 770          | rBV2     | 200            | 216           | 0.02%           | 0.002%        |
| 18        | 6.659       | 777           | 780         | 784          | rVB      | 179            | 225           | 0.02%           | 0.002%        |
| 19        | 6.702       | 784           | 787         | 790          | rVB2     | 224            | 259           | 0.02%           | 0.002%        |
| 20        | 6.824       | 802           | 807         | 808          | rBV2     | 156            | 199           | 0.02%           | 0.002%        |
| 21        | 6.903       | 814           | 820         | 829          | rBV4     | 3380           | 8830          | 0.72%           | 0.085%        |
| 22        | 7.092       | 841           | 851         | 876          | rBV      | 35712          | 126346        | 10.31%          | 1.216%        |
| 23        | 7.372       | 895           | 897         | 899          | rBV2     | 268            | 208           | 0.02%           | 0.002%        |
| 24        | 7.543       | 921           | 925         | 927          | rBV3     | 425            | 705           | 0.06%           | 0.007%        |
| 25        | 7.653       | 931           | 943         | 955          | rBV      | 212295         | 520203        | 42.46%          | 5.006%        |
| 26        | 7.885       | 976           | 981         | 983          | rBV3     | 405            | 615           | 0.05%           | 0.006%        |
| 27        | 7.952       | 987           | 992         | 998          | rBV6     | 968            | 2494          | 0.20%           | 0.024%        |
| 28        | 8.074       | 1010          | 1012        | 1016         | rVB2     | 258            | 294           | 0.02%           | 0.003%        |
| 29        | 8.153       | 1022          | 1025        | 1028         | rBV      | 248            | 256           | 0.02%           | 0.002%        |
| 30        | 8.281       | 1035          | 1046        | 1063         | rBV2     | 410065         | 1225264       | 100.00%         | 11.791%       |
| 31        | 8.458       | 1074          | 1075        | 1078         | rVB2     | 316            | 282           | 0.02%           | 0.003%        |
| 32        | 8.512       | 1080          | 1084        | 1085         | rBV2     | 596            | 744           | 0.06%           | 0.007%        |
| 33        | 8.555       | 1085          | 1091        | 1099         | rVB4     | 5489           | 11979         | 0.98%           | 0.115%        |
| 34        | 8.708       | 1109          | 1116        | 1125         | rBV3     | 6846           | 16414         | 1.34%           | 0.158%        |
| 35        | 8.848       | 1130          | 1139        | 1150         | rBV      | 469624         | 921216        | 75.19%          | 8.865%        |
| 36        | 8.994       | 1161          | 1163        | 1168         | rVB3     | 479            | 660           | 0.05%           | 0.006%        |

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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\_W\Method\SFAMWLM081821SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 9.092  | 1173 | 1179 | 1185 | rVB5 | 5646   | 11313   | 0.92%  | 0.109%  |
| 38 | 9.153  | 1187 | 1189 | 1191 | rBV  | 274    | 238     | 0.02%  | 0.002%  |
| 39 | 9.275  | 1201 | 1209 | 1219 | rBV  | 286644 | 586791  | 47.89% | 5.647%  |
| 40 | 9.415  | 1225 | 1232 | 1244 | rVV  | 16437  | 34448   | 2.81%  | 0.332%  |
| 41 | 9.512  | 1246 | 1248 | 1250 | rVV  | 430    | 332     | 0.03%  | 0.003%  |
| 42 | 9.531  | 1250 | 1251 | 1254 | rVB  | 446    | 362     | 0.03%  | 0.003%  |
| 43 | 9.665  | 1268 | 1273 | 1279 | rVB6 | 1318   | 2532    | 0.21%  | 0.024%  |
| 44 | 9.878  | 1306 | 1308 | 1312 | rBV2 | 212    | 265     | 0.02%  | 0.003%  |
| 45 | 9.945  | 1318 | 1319 | 1325 | rVB2 | 283    | 336     | 0.03%  | 0.003%  |
| 46 | 10.037 | 1327 | 1334 | 1345 | rVV  | 144838 | 264864  | 21.62% | 2.549%  |
| 47 | 10.122 | 1345 | 1348 | 1357 | rVB5 | 1103   | 2466    | 0.20%  | 0.024%  |
| 48 | 10.213 | 1362 | 1363 | 1367 | rVB3 | 304    | 375     | 0.03%  | 0.004%  |
| 49 | 10.323 | 1372 | 1381 | 1388 | rBV  | 549028 | 980335  | 80.01% | 9.434%  |
| 50 | 10.579 | 1416 | 1423 | 1430 | rBV  | 101855 | 171562  | 14.00% | 1.651%  |
| 51 | 10.707 | 1439 | 1444 | 1450 | rVB2 | 6429   | 11163   | 0.91%  | 0.107%  |
| 52 | 10.866 | 1461 | 1470 | 1476 | rBV  | 663538 | 1152825 | 94.09% | 11.094% |
| 53 | 10.927 | 1476 | 1480 | 1497 | rVB  | 141092 | 230576  | 18.82% | 2.219%  |
| 54 | 11.073 | 1497 | 1504 | 1519 | rBV  | 116223 | 192808  | 15.74% | 1.855%  |
| 55 | 11.408 | 1553 | 1559 | 1564 | rBV4 | 580    | 1090    | 0.09%  | 0.010%  |
| 56 | 11.634 | 1588 | 1596 | 1604 | rBV  | 650764 | 1073188 | 87.59% | 10.328% |
| 57 | 11.841 | 1624 | 1630 | 1639 | rVV  | 17277  | 34892   | 2.85%  | 0.336%  |
| 58 | 12.012 | 1656 | 1658 | 1660 | rBV3 | 267    | 219     | 0.02%  | 0.002%  |
| 59 | 12.036 | 1660 | 1662 | 1664 | rBV2 | 320    | 230     | 0.02%  | 0.002%  |
| 60 | 12.170 | 1677 | 1684 | 1685 | rBV3 | 962    | 1477    | 0.12%  | 0.014%  |
| 61 | 12.237 | 1692 | 1695 | 1699 | rVB  | 937    | 874     | 0.07%  | 0.008%  |
| 62 | 12.341 | 1706 | 1712 | 1717 | rBV2 | 5180   | 8012    | 0.65%  | 0.077%  |
| 63 | 12.432 | 1723 | 1727 | 1729 | rBV  | 235    | 322     | 0.03%  | 0.003%  |
| 64 | 12.457 | 1729 | 1731 | 1736 | rVB2 | 412    | 413     | 0.03%  | 0.004%  |
| 65 | 12.542 | 1744 | 1745 | 1748 | rVB  | 495    | 291     | 0.02%  | 0.003%  |
| 66 | 12.609 | 1748 | 1756 | 1763 | rBV4 | 7043   | 13195   | 1.08%  | 0.127%  |
| 67 | 12.695 | 1763 | 1770 | 1778 | rBV  | 245035 | 405858  | 33.12% | 3.906%  |
| 68 | 12.810 | 1786 | 1789 | 1792 | rVB2 | 394    | 496     | 0.04%  | 0.005%  |
| 69 | 12.859 | 1795 | 1797 | 1799 | rBV3 | 275    | 288     | 0.02%  | 0.003%  |
| 70 | 12.932 | 1802 | 1809 | 1814 | rBV7 | 1589   | 3255    | 0.27%  | 0.031%  |
| 71 | 13.042 | 1824 | 1827 | 1830 | rBV3 | 486    | 666     | 0.05%  | 0.006%  |
| 72 | 13.158 | 1844 | 1846 | 1849 | rVB3 | 459    | 345     | 0.03%  | 0.003%  |
| 73 | 13.201 | 1849 | 1853 | 1856 | rVB4 | 640    | 887     | 0.07%  | 0.009%  |
| 74 | 13.256 | 1856 | 1862 | 1863 | rBV4 | 1688   | 2516    | 0.21%  | 0.024%  |
| 75 | 13.396 | 1881 | 1885 | 1892 | rVV5 | 3406   | 6015    | 0.49%  | 0.058%  |
| 76 | 13.481 | 1894 | 1899 | 1900 | rBV3 | 372    | 619     | 0.05%  | 0.006%  |

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Integration Parameters: LSCINT.P

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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\SFAMWLM081821SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.499 | 1900 | 1902 | 1905 | rVV3 | 826    | 1210   | 0.10%  | 0.012% |
| 78  | 13.560 | 1905 | 1912 | 1922 | rVV  | 502069 | 793298 | 64.75% | 7.634% |
| 79  | 13.646 | 1923 | 1926 | 1934 | rVV2 | 6923   | 10837  | 0.88%  | 0.104% |
| 80  | 13.719 | 1936 | 1938 | 1941 | rVB3 | 533    | 518    | 0.04%  | 0.005% |
| 81  | 13.755 | 1942 | 1944 | 1950 | rVB5 | 794    | 981    | 0.08%  | 0.009% |
| 82  | 13.853 | 1952 | 1960 | 1973 | rBV  | 399883 | 645407 | 52.67% | 6.211% |
| 83  | 14.018 | 1983 | 1987 | 1990 | rBV5 | 846    | 1166   | 0.10%  | 0.011% |
| 84  | 14.066 | 1990 | 1995 | 2003 | rVV2 | 3485   | 6284   | 0.51%  | 0.060% |
| 85  | 14.328 | 2032 | 2038 | 2042 | rBV4 | 3561   | 5936   | 0.48%  | 0.057% |
| 86  | 14.487 | 2063 | 2064 | 2066 | rBV  | 508    | 439    | 0.04%  | 0.004% |
| 87  | 14.572 | 2076 | 2078 | 2079 | rVB  | 381    | 214    | 0.02%  | 0.002% |
| 88  | 14.627 | 2083 | 2087 | 2090 | rVV4 | 680    | 1109   | 0.09%  | 0.011% |
| 89  | 14.658 | 2090 | 2092 | 2094 | rVB2 | 312    | 205    | 0.02%  | 0.002% |
| 90  | 14.700 | 2097 | 2099 | 2100 | rVB2 | 393    | 207    | 0.02%  | 0.002% |
| 91  | 14.798 | 2113 | 2115 | 2118 | rBV3 | 304    | 445    | 0.04%  | 0.004% |
| 92  | 15.133 | 2166 | 2170 | 2173 | rVB5 | 1004   | 1226   | 0.10%  | 0.012% |
| 93  | 15.182 | 2173 | 2178 | 2184 | rBV6 | 1098   | 2066   | 0.17%  | 0.020% |
| 94  | 15.304 | 2196 | 2198 | 2199 | rBV  | 316    | 210    | 0.02%  | 0.002% |
| 95  | 15.365 | 2206 | 2208 | 2212 | rVB3 | 636    | 830    | 0.07%  | 0.008% |
| 96  | 15.828 | 2282 | 2284 | 2285 | rBV  | 426    | 276    | 0.02%  | 0.003% |
| 97  | 15.883 | 2291 | 2293 | 2295 | rBV2 | 326    | 260    | 0.02%  | 0.003% |
| 98  | 16.255 | 2350 | 2354 | 2355 | rBV3 | 409    | 455    | 0.04%  | 0.004% |
| 99  | 16.694 | 2424 | 2426 | 2428 | rVB2 | 476    | 380    | 0.03%  | 0.004% |
| 100 | 16.724 | 2428 | 2431 | 2433 | rBV2 | 531    | 517    | 0.04%  | 0.005% |

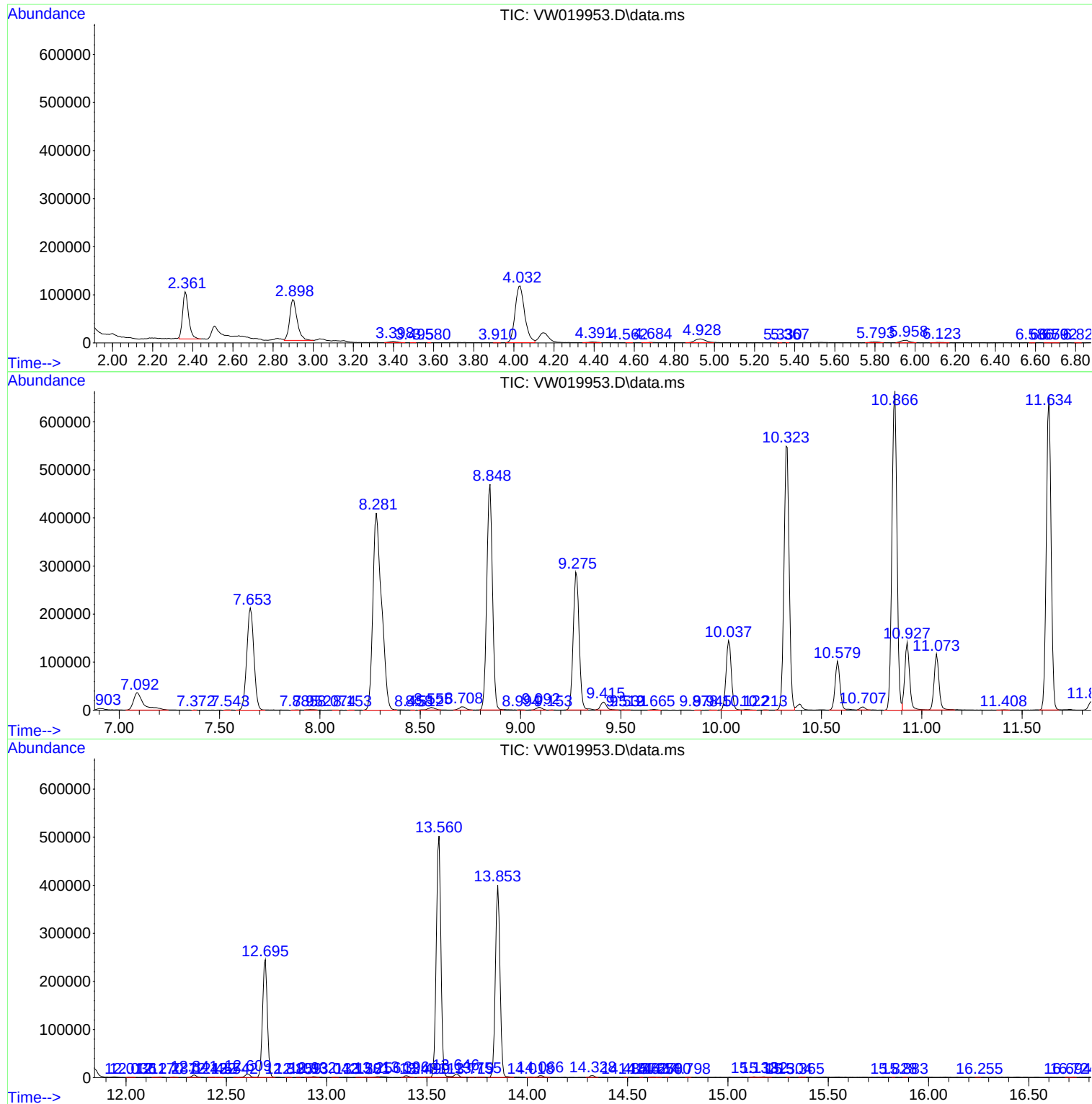
Sum of corrected areas: 10391322

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
Quant Title : SFAM01.0

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



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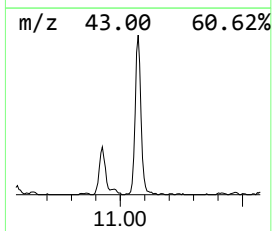
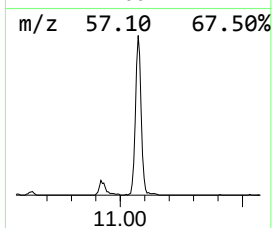
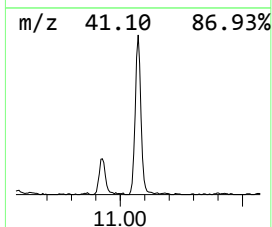
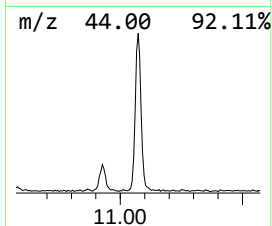
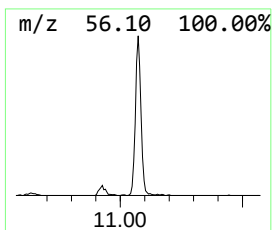
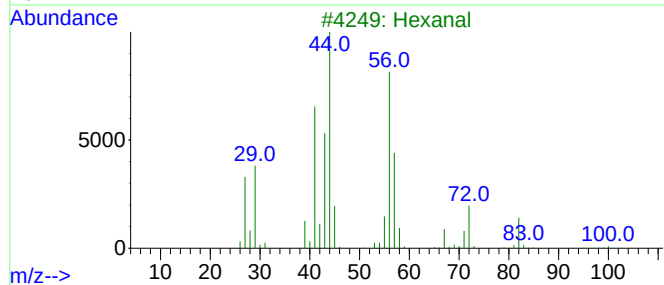
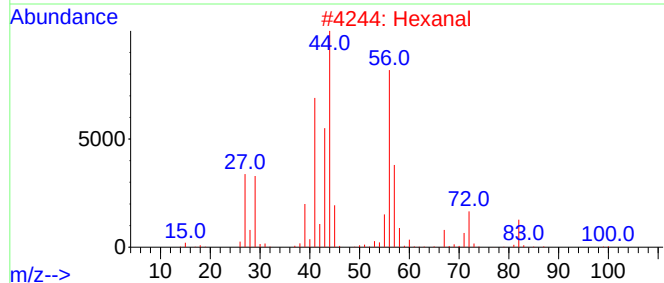
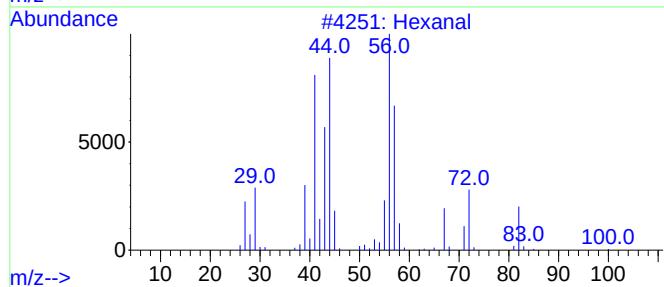
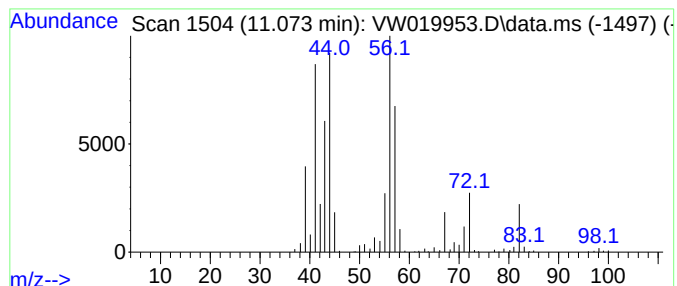
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Hexanal Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.073 | 4.49 ug/L | 192808 | Chlorobenzene-d5 | 11.634 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 90   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 74   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 72   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 59   |



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

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| Hexanal          | 11.073 | 4.5     | ug/L  | 192808   | 2                     | 11.634 | 1073190 | 25.0 |