

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021524\  
 Data File : VW028024.D  
 Acq On : 15 Feb 2024 16:54  
 Operator : SY/MD  
 Sample : VIBLK594  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK594

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\SFAMWLM020524SMA.M  
 Title : SFAM01.0

Signal : TIC: VW028024.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          | 94           | rBV      | 34366          | 86113         | 11.94%          | 1.481%        |
| 2         | 2.899       | 159           | 166         | 180          | rBV      | 30303          | 84553         | 11.73%          | 1.455%        |
| 3         | 3.387       | 242           | 246         | 248          | rBV2     | 463            | 651           | 0.09%           | 0.011%        |
| 4         | 4.027       | 339           | 351         | 379          | rBV      | 68975          | 230580        | 31.98%          | 3.967%        |
| 5         | 4.344       | 401           | 403         | 405          | rBV      | 173            | 168           | 0.02%           | 0.003%        |
| 6         | 4.923       | 487           | 498         | 511          | rBV3     | 7105           | 26613         | 3.69%           | 0.458%        |
| 7         | 5.191       | 540           | 542         | 543          | rVV      | 198            | 88            | 0.01%           | 0.002%        |
| 8         | 5.405       | 575           | 577         | 578          | rBV      | 144            | 108           | 0.01%           | 0.002%        |
| 9         | 5.521       | 593           | 596         | 600          | rBV2     | 135            | 221           | 0.03%           | 0.004%        |
| 10        | 5.764       | 635           | 636         | 638          | rVB2     | 260            | 150           | 0.02%           | 0.003%        |
| 11        | 5.807       | 641           | 643         | 645          | rBV2     | 146            | 118           | 0.02%           | 0.002%        |
| 12        | 5.941       | 658           | 665         | 674          | rBV4     | 2816           | 8364          | 1.16%           | 0.144%        |
| 13        | 6.039       | 679           | 681         | 683          | rBV      | 105            | 127           | 0.02%           | 0.002%        |
| 14        | 6.277       | 718           | 720         | 723          | rBV      | 138            | 92            | 0.01%           | 0.002%        |
| 15        | 6.459       | 747           | 750         | 752          | rBV2     | 183            | 264           | 0.04%           | 0.005%        |
| 16        | 6.502       | 756           | 757         | 760          | rVV2     | 177            | 155           | 0.02%           | 0.003%        |
| 17        | 6.533       | 760           | 762         | 763          | rVV      | 189            | 101           | 0.01%           | 0.002%        |
| 18        | 6.569       | 766           | 768         | 771          | rVB      | 182            | 146           | 0.02%           | 0.003%        |
| 19        | 6.990       | 834           | 837         | 839          | rVB2     | 113            | 108           | 0.01%           | 0.002%        |
| 20        | 7.081       | 843           | 852         | 858          | rBV2     | 17085          | 48222         | 6.69%           | 0.830%        |
| 21        | 7.648       | 933           | 945         | 958          | rBV      | 127412         | 303668        | 42.11%          | 5.224%        |
| 22        | 7.819       | 972           | 973         | 974          | rBV      | 164            | 95            | 0.01%           | 0.002%        |
| 23        | 7.856       | 977           | 979         | 981          | rVB      | 169            | 159           | 0.02%           | 0.003%        |
| 24        | 7.886       | 981           | 984         | 987          | rBV3     | 369            | 535           | 0.07%           | 0.009%        |
| 25        | 7.929       | 987           | 991         | 992          | rBV      | 168            | 236           | 0.03%           | 0.004%        |
| 26        | 8.106       | 1018          | 1020        | 1022         | rBV2     | 125            | 131           | 0.02%           | 0.002%        |
| 27        | 8.130       | 1022          | 1024        | 1028         | rVB      | 170            | 164           | 0.02%           | 0.003%        |
| 28        | 8.276       | 1037          | 1048        | 1064         | rBV2     | 245850         | 721125        | 100.00%         | 12.405%       |
| 29        | 8.477       | 1074          | 1081        | 1087         | rBV2     | 468            | 976           | 0.14%           | 0.017%        |
| 30        | 8.526       | 1087          | 1089        | 1090         | rVB      | 146            | 71            | 0.01%           | 0.001%        |
| 31        | 8.557       | 1091          | 1094        | 1096         | rBV2     | 142            | 136           | 0.02%           | 0.002%        |
| 32        | 8.599       | 1099          | 1101        | 1103         | rBV      | 158            | 120           | 0.02%           | 0.002%        |
| 33        | 8.837       | 1132          | 1140        | 1158         | rBV      | 277093         | 556793        | 77.21%          | 9.578%        |
| 34        | 8.977       | 1162          | 1163        | 1168         | rVB2     | 231            | 187           | 0.03%           | 0.003%        |
| 35        | 9.026       | 1168          | 1171        | 1173         | rBV2     | 163            | 167           | 0.02%           | 0.003%        |
| 36        | 9.075       | 1177          | 1179        | 1183         | rBV2     | 639            | 705           | 0.10%           | 0.012%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 9.172  | 1193 | 1195 | 1197 | rBV2 | 171    | 108    | 0.01%  | 0.002%  |
| 38 | 9.270  | 1202 | 1211 | 1222 | rVV  | 154411 | 316529 | 43.89% | 5.445%  |
| 39 | 9.349  | 1222 | 1224 | 1226 | rVV3 | 821    | 641    | 0.09%  | 0.011%  |
| 40 | 9.380  | 1227 | 1229 | 1230 | rVB2 | 192    | 91     | 0.01%  | 0.002%  |
| 41 | 9.587  | 1262 | 1263 | 1265 | rVB2 | 165    | 98     | 0.01%  | 0.002%  |
| 42 | 9.660  | 1273 | 1275 | 1276 | rBV  | 163    | 110    | 0.02%  | 0.002%  |
| 43 | 9.758  | 1280 | 1291 | 1299 | rBV2 | 5535   | 12284  | 1.70%  | 0.211%  |
| 44 | 9.892  | 1306 | 1313 | 1323 | rBV  | 14449  | 29816  | 4.13%  | 0.513%  |
| 45 | 10.032 | 1326 | 1336 | 1343 | rBV  | 89313  | 159817 | 22.16% | 2.749%  |
| 46 | 10.123 | 1349 | 1351 | 1353 | rBV  | 250    | 198    | 0.03%  | 0.003%  |
| 47 | 10.172 | 1357 | 1359 | 1360 | rBV2 | 240    | 205    | 0.03%  | 0.004%  |
| 48 | 10.215 | 1360 | 1366 | 1367 | rBV4 | 1662   | 2776   | 0.38%  | 0.048%  |
| 49 | 10.245 | 1367 | 1371 | 1376 | rVB  | 5142   | 9055   | 1.26%  | 0.156%  |
| 50 | 10.319 | 1376 | 1383 | 1392 | rBV  | 371115 | 643242 | 89.20% | 11.066% |
| 51 | 10.495 | 1410 | 1412 | 1413 | rBV  | 573    | 426    | 0.06%  | 0.007%  |
| 52 | 10.575 | 1419 | 1425 | 1436 | rVB2 | 55539  | 96028  | 13.32% | 1.652%  |
| 53 | 10.697 | 1439 | 1445 | 1452 | rVV2 | 22747  | 37900  | 5.26%  | 0.652%  |
| 54 | 10.770 | 1453 | 1457 | 1463 | rVB5 | 1321   | 1972   | 0.27%  | 0.034%  |
| 55 | 10.843 | 1464 | 1469 | 1474 | rVB4 | 892    | 1469   | 0.20%  | 0.025%  |
| 56 | 10.922 | 1475 | 1482 | 1497 | rBV  | 76322  | 130277 | 18.07% | 2.241%  |
| 57 | 11.062 | 1499 | 1505 | 1514 | rVB  | 8996   | 15279  | 2.12%  | 0.263%  |
| 58 | 11.172 | 1519 | 1523 | 1528 | rVB4 | 1438   | 2348   | 0.33%  | 0.040%  |
| 59 | 11.367 | 1553 | 1555 | 1556 | rBV2 | 183    | 127    | 0.02%  | 0.002%  |
| 60 | 11.434 | 1556 | 1566 | 1574 | rVB  | 21314  | 35120  | 4.87%  | 0.604%  |
| 61 | 11.501 | 1574 | 1577 | 1580 | rBV2 | 186    | 262    | 0.04%  | 0.005%  |
| 62 | 11.526 | 1580 | 1581 | 1582 | rBV  | 189    | 107    | 0.01%  | 0.002%  |
| 63 | 11.629 | 1590 | 1598 | 1606 | rBV  | 406444 | 674609 | 93.55% | 11.605% |
| 64 | 11.843 | 1628 | 1633 | 1635 | rBV2 | 528    | 714    | 0.10%  | 0.012%  |
| 65 | 11.867 | 1635 | 1637 | 1641 | rVB3 | 458    | 543    | 0.08%  | 0.009%  |
| 66 | 11.904 | 1641 | 1643 | 1645 | rVB  | 179    | 118    | 0.02%  | 0.002%  |
| 67 | 11.922 | 1645 | 1646 | 1648 | rVB2 | 142    | 80     | 0.01%  | 0.001%  |
| 68 | 11.940 | 1648 | 1649 | 1650 | rBV  | 226    | 121    | 0.02%  | 0.002%  |
| 69 | 12.074 | 1669 | 1671 | 1672 | rBV  | 230    | 159    | 0.02%  | 0.003%  |
| 70 | 12.330 | 1710 | 1713 | 1717 | rBV2 | 146    | 233    | 0.03%  | 0.004%  |
| 71 | 12.391 | 1722 | 1723 | 1728 | rVB2 | 150    | 187    | 0.03%  | 0.003%  |
| 72 | 12.464 | 1731 | 1735 | 1742 | rBV2 | 1711   | 2454   | 0.34%  | 0.042%  |
| 73 | 12.599 | 1751 | 1757 | 1764 | rVB2 | 30182  | 51116  | 7.09%  | 0.879%  |
| 74 | 12.690 | 1765 | 1772 | 1779 | rVV  | 136630 | 226452 | 31.40% | 3.896%  |
| 75 | 12.806 | 1789 | 1791 | 1792 | rBV  | 177    | 93     | 0.01%  | 0.002%  |
| 76 | 12.922 | 1805 | 1810 | 1815 | rBV3 | 2030   | 3229   | 0.45%  | 0.056%  |

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 ClientSampleId :  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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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\SFAMWLM020524SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 77  | 13.025 | 1821 | 1827 | 1831 | rBV5 | 1039   | 1947   | 0.27%  | 0.033%  |
| 78  | 13.068 | 1832 | 1834 | 1840 | rVB3 | 760    | 973    | 0.13%  | 0.017%  |
| 79  | 13.220 | 1857 | 1859 | 1860 | rVB  | 286    | 133    | 0.02%  | 0.002%  |
| 80  | 13.288 | 1866 | 1870 | 1876 | rVB2 | 3775   | 5541   | 0.77%  | 0.095%  |
| 81  | 13.403 | 1883 | 1889 | 1893 | rBV5 | 1522   | 2569   | 0.36%  | 0.044%  |
| 82  | 13.458 | 1896 | 1898 | 1901 | rBV  | 464    | 512    | 0.07%  | 0.009%  |
| 83  | 13.495 | 1901 | 1904 | 1907 | rVV3 | 1230   | 1840   | 0.26%  | 0.032%  |
| 84  | 13.550 | 1907 | 1913 | 1932 | rVB  | 405052 | 674159 | 93.49% | 11.597% |
| 85  | 13.751 | 1942 | 1946 | 1950 | rBV5 | 1415   | 2385   | 0.33%  | 0.041%  |
| 86  | 13.794 | 1950 | 1953 | 1955 | rVV3 | 1267   | 1720   | 0.24%  | 0.030%  |
| 87  | 13.848 | 1955 | 1962 | 1974 | rVB  | 337728 | 557791 | 77.35% | 9.596%  |
| 88  | 14.062 | 1992 | 1997 | 2008 | rVB2 | 11337  | 18579  | 2.58%  | 0.320%  |
| 89  | 14.184 | 2013 | 2017 | 2023 | rBV5 | 1018   | 1897   | 0.26%  | 0.033%  |
| 90  | 14.263 | 2029 | 2030 | 2032 | rBV2 | 256    | 212    | 0.03%  | 0.004%  |
| 91  | 14.409 | 2053 | 2054 | 2058 | rVB2 | 243    | 212    | 0.03%  | 0.004%  |
| 92  | 14.489 | 2063 | 2067 | 2069 | rBV2 | 419    | 538    | 0.07%  | 0.009%  |
| 93  | 14.714 | 2101 | 2104 | 2108 | rVB4 | 1722   | 2364   | 0.33%  | 0.041%  |
| 94  | 14.781 | 2113 | 2115 | 2118 | rVB3 | 257    | 203    | 0.03%  | 0.003%  |
| 95  | 14.879 | 2128 | 2131 | 2133 | rVB2 | 180    | 199    | 0.03%  | 0.003%  |
| 96  | 15.086 | 2164 | 2165 | 2166 | rVB  | 247    | 90     | 0.01%  | 0.002%  |
| 97  | 15.427 | 2216 | 2221 | 2226 | rBV  | 6654   | 9593   | 1.33%  | 0.165%  |
| 98  | 15.586 | 2245 | 2247 | 2249 | rVB  | 448    | 285    | 0.04%  | 0.005%  |
| 99  | 16.110 | 2331 | 2333 | 2334 | rBV2 | 377    | 212    | 0.03%  | 0.004%  |
| 100 | 16.482 | 2392 | 2394 | 2398 | rVB2 | 402    | 431    | 0.06%  | 0.007%  |

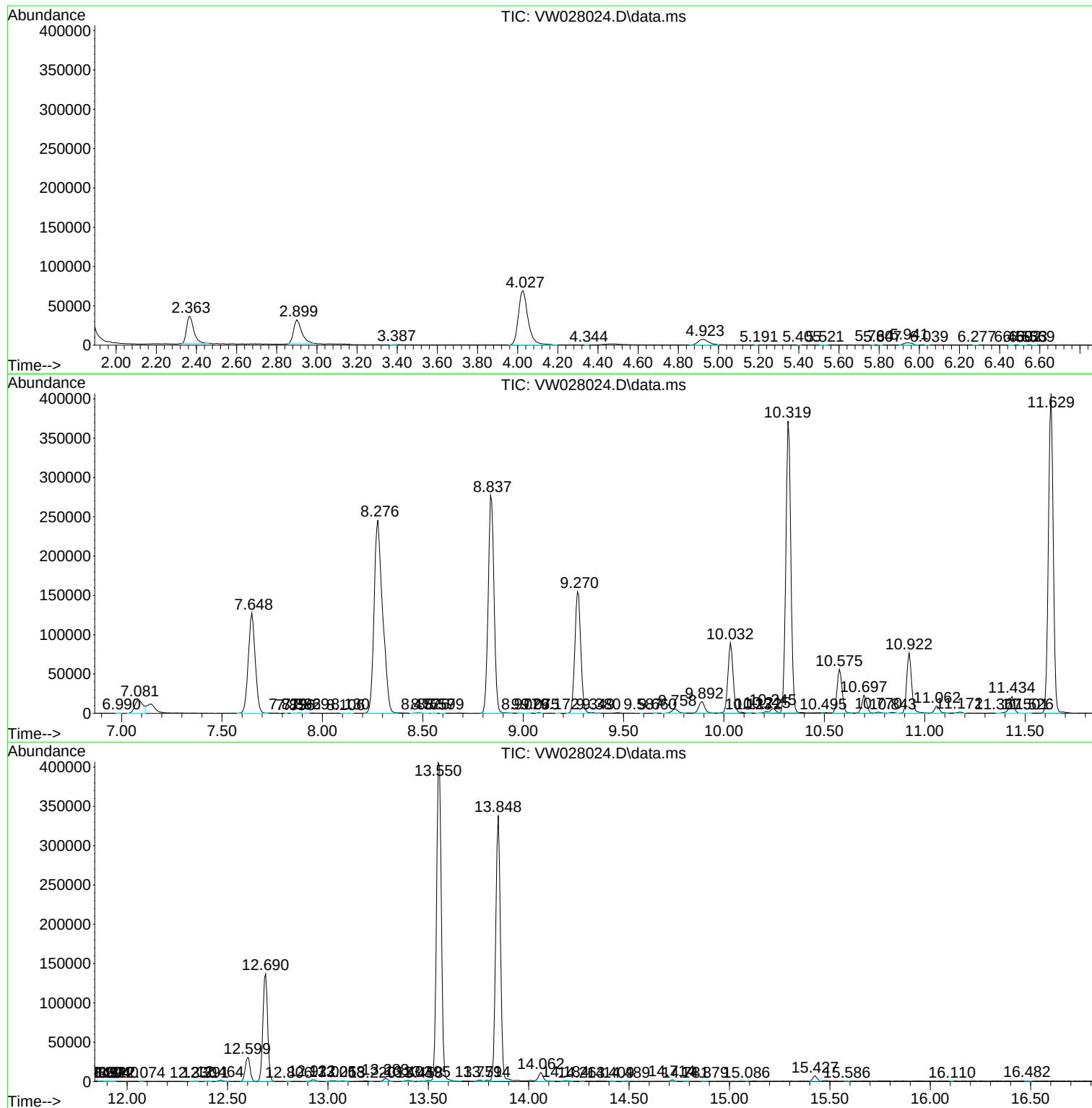
Sum of corrected areas: 5812988

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
Quant Title : SFAM01.0

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



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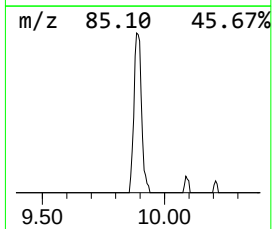
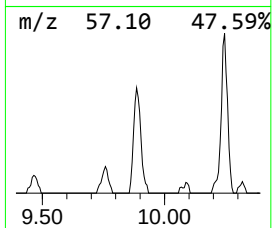
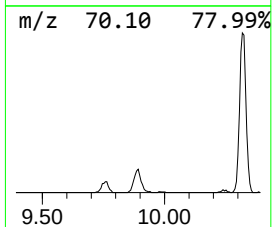
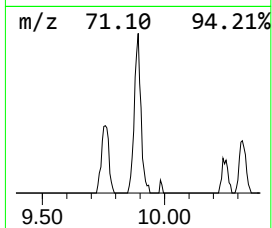
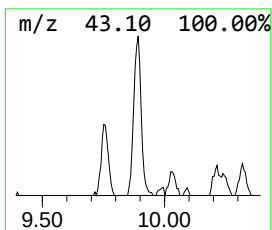
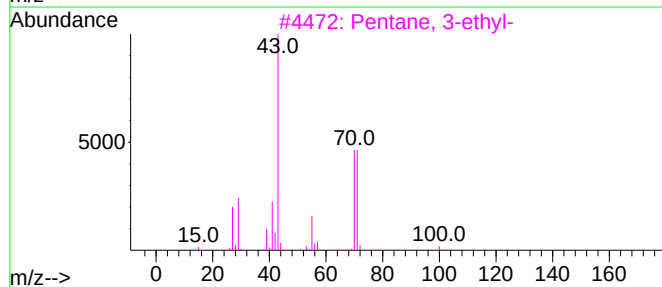
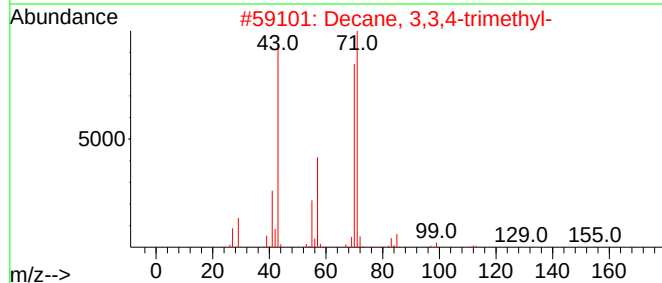
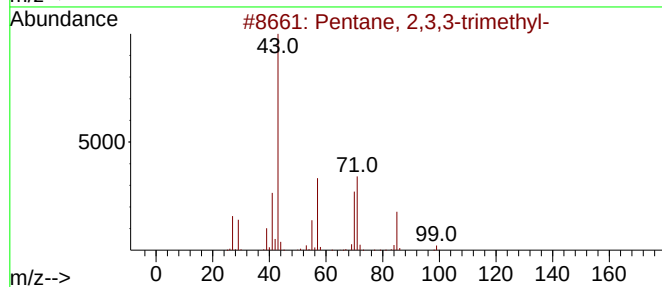
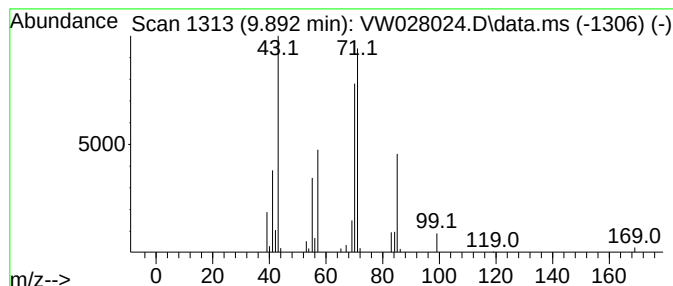
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.892 | 1.34 ug/L | 29816 | 1,4-Difluorobenzene | 8.837 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,3,3-trimethyl-  | 114 | C8H18   | 000560-21-4 | 78   |
| 2    |    |   | Decane, 3,3,4-trimethyl-   | 184 | C13H28  | 049622-18-6 | 59   |
| 3    |    |   | Pentane, 3-ethyl-          | 100 | C7H16   | 000617-78-7 | 53   |
| 4    |    |   | Pentane, 2,3,4-trimethyl-  | 114 | C8H18   | 000565-75-3 | 53   |
| 5    |    |   | Pentane, 3-ethyl-2-methyl- | 114 | C8H18   | 000609-26-7 | 50   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 9.892 | 1.3     | ug/L  | 29816    | 1                     | 8.837 | 556793 | 25.0 |