

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052224\  
 Data File : VW028691.D  
 Acq On : 22 May 2024 16:26  
 Operator : SY/MD  
 Sample : P2549-03  
 Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BH620

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\SFAMWLM050224SMA.M  
 Title : SFAM01.0

Signal : TIC: VW028691.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          | 88           | rBV      | 61156          | 131315        | 14.75%          | 2.337%        |
| 2         | 2.899       | 160           | 166         | 176          | rVB      | 41828          | 108140        | 12.15%          | 1.924%        |
| 3         | 3.369       | 241           | 243         | 245          | rBV3     | 1686           | 1838          | 0.21%           | 0.033%        |
| 4         | 3.539       | 269           | 271         | 274          | rBV4     | 908            | 864           | 0.10%           | 0.015%        |
| 5         | 3.594       | 278           | 280         | 283          | rBV4     | 960            | 1302          | 0.15%           | 0.023%        |
| 6         | 3.692       | 294           | 296         | 300          | rVB5     | 1612           | 2079          | 0.23%           | 0.037%        |
| 7         | 3.728       | 300           | 302         | 305          | rBV4     | 1264           | 1526          | 0.17%           | 0.027%        |
| 8         | 3.844       | 319           | 321         | 323          | rVB2     | 969            | 676           | 0.08%           | 0.012%        |
| 9         | 3.869       | 323           | 325         | 327          | rVB3     | 945            | 855           | 0.10%           | 0.015%        |
| 10        | 3.893       | 327           | 329         | 332          | rBV4     | 1412           | 1905          | 0.21%           | 0.034%        |
| 11        | 4.015       | 336           | 349         | 365          | rBV      | 99713          | 299775        | 33.67%          | 5.335%        |
| 12        | 4.253       | 386           | 388         | 392          | rVB5     | 1091           | 1371          | 0.15%           | 0.024%        |
| 13        | 4.326       | 397           | 400         | 402          | rBV4     | 958            | 1442          | 0.16%           | 0.026%        |
| 14        | 4.448       | 418           | 420         | 422          | rBV3     | 702            | 655           | 0.07%           | 0.012%        |
| 15        | 4.716       | 463           | 464         | 466          | rBV2     | 1143           | 635           | 0.07%           | 0.011%        |
| 16        | 4.765       | 469           | 472         | 474          | rBV4     | 750            | 910           | 0.10%           | 0.016%        |
| 17        | 4.814       | 478           | 480         | 482          | rBV3     | 1002           | 1000          | 0.11%           | 0.018%        |
| 18        | 4.856       | 485           | 487         | 488          | rBV2     | 1341           | 1322          | 0.15%           | 0.024%        |
| 19        | 4.911       | 491           | 496         | 504          | rBV3     | 8312           | 22841         | 2.57%           | 0.406%        |
| 20        | 5.070       | 520           | 522         | 524          | rVB3     | 816            | 626           | 0.07%           | 0.011%        |
| 21        | 5.094       | 524           | 526         | 527          | rBV2     | 789            | 595           | 0.07%           | 0.011%        |
| 22        | 5.381       | 572           | 573         | 575          | rBV2     | 1325           | 1053          | 0.12%           | 0.019%        |
| 23        | 5.417       | 578           | 579         | 583          | rVV4     | 861            | 851           | 0.10%           | 0.015%        |
| 24        | 5.472       | 586           | 588         | 589          | rBV2     | 1262           | 1107          | 0.12%           | 0.020%        |
| 25        | 5.539       | 596           | 599         | 600          | rBV3     | 1156           | 990           | 0.11%           | 0.018%        |
| 26        | 5.856       | 650           | 651         | 653          | rBV2     | 1184           | 661           | 0.07%           | 0.012%        |
| 27        | 5.905       | 656           | 659         | 660          | rBV3     | 835            | 1023          | 0.11%           | 0.018%        |
| 28        | 5.941       | 660           | 665         | 667          | rBV5     | 3854           | 6127          | 0.69%           | 0.109%        |
| 29        | 6.222       | 708           | 711         | 712          | rBV3     | 777            | 663           | 0.07%           | 0.012%        |
| 30        | 6.258       | 712           | 717         | 718          | rBV5     | 1036           | 1408          | 0.16%           | 0.025%        |
| 31        | 6.417       | 741           | 743         | 744          | rBV2     | 853            | 635           | 0.07%           | 0.011%        |
| 32        | 6.545       | 762           | 764         | 767          | rBV4     | 710            | 562           | 0.06%           | 0.010%        |
| 33        | 6.691       | 786           | 788         | 789          | rVB2     | 1092           | 585           | 0.07%           | 0.010%        |
| 34        | 6.710       | 789           | 791         | 794          | rBV4     | 1061           | 1097          | 0.12%           | 0.020%        |
| 35        | 6.740       | 794           | 796         | 801          | rVB6     | 805            | 862           | 0.10%           | 0.015%        |
| 36        | 6.886       | 818           | 820         | 823          | rBV4     | 1481           | 1449          | 0.16%           | 0.026%        |

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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\SFAMWLM050224SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 7.075  | 843  | 851  | 858  | rBV  | 23793  | 70956  | 7.97%   | 1.263%  |
| 38 | 7.648  | 936  | 945  | 958  | rVB  | 161378 | 394373 | 44.29%  | 7.018%  |
| 39 | 7.911  | 984  | 988  | 989  | rBV4 | 979    | 1058   | 0.12%   | 0.019%  |
| 40 | 8.100  | 1018 | 1019 | 1021 | rBV3 | 1195   | 693    | 0.08%   | 0.012%  |
| 41 | 8.276  | 1039 | 1048 | 1064 | rVB2 | 297133 | 890400 | 100.00% | 15.845% |
| 42 | 8.843  | 1132 | 1141 | 1153 | rBV  | 267514 | 534590 | 60.04%  | 9.513%  |
| 43 | 9.008  | 1166 | 1168 | 1170 | rBV3 | 1433   | 1461   | 0.16%   | 0.026%  |
| 44 | 9.179  | 1194 | 1196 | 1198 | rBV3 | 917    | 922    | 0.10%   | 0.016%  |
| 45 | 9.276  | 1204 | 1212 | 1222 | rBV  | 214721 | 441818 | 49.62%  | 7.862%  |
| 46 | 9.971  | 1324 | 1326 | 1328 | rBV3 | 1216   | 1160   | 0.13%   | 0.021%  |
| 47 | 10.032 | 1330 | 1336 | 1344 | rVV  | 86771  | 161657 | 18.16%  | 2.877%  |
| 48 | 10.325 | 1376 | 1384 | 1391 | rBV  | 353811 | 633961 | 71.20%  | 11.282% |
| 49 | 10.575 | 1420 | 1425 | 1433 | rVB  | 54537  | 96772  | 10.87%  | 1.722%  |
| 50 | 10.703 | 1441 | 1446 | 1452 | rVB3 | 5675   | 10425  | 1.17%   | 0.186%  |
| 51 | 10.922 | 1476 | 1482 | 1496 | rBV  | 79669  | 152831 | 17.16%  | 2.720%  |
| 52 | 11.434 | 1560 | 1566 | 1570 | rBV9 | 2036   | 4941   | 0.55%   | 0.088%  |
| 53 | 11.629 | 1589 | 1598 | 1609 | rBV  | 328293 | 560385 | 62.94%  | 9.972%  |
| 54 | 12.178 | 1686 | 1688 | 1693 | rVB6 | 1512   | 1411   | 0.16%   | 0.025%  |
| 55 | 12.593 | 1751 | 1756 | 1764 | rVB6 | 11106  | 23915  | 2.69%   | 0.426%  |
| 56 | 12.690 | 1764 | 1772 | 1779 | rBV  | 147420 | 250582 | 28.14%  | 4.459%  |
| 57 | 12.830 | 1793 | 1795 | 1796 | rBV2 | 1224   | 779    | 0.09%   | 0.014%  |
| 58 | 12.849 | 1796 | 1798 | 1803 | rVB6 | 1635   | 2677   | 0.30%   | 0.048%  |
| 59 | 12.904 | 1803 | 1807 | 1808 | rBV4 | 1268   | 1360   | 0.15%   | 0.024%  |
| 60 | 12.934 | 1809 | 1812 | 1813 | rBV3 | 1760   | 1746   | 0.20%   | 0.031%  |
| 61 | 13.111 | 1837 | 1841 | 1845 | rBV6 | 2294   | 5000   | 0.56%   | 0.089%  |
| 62 | 13.184 | 1851 | 1853 | 1862 | rVB2 | 6581   | 9382   | 1.05%   | 0.167%  |
| 63 | 13.294 | 1867 | 1871 | 1878 | rVB6 | 5357   | 9488   | 1.07%   | 0.169%  |
| 64 | 13.403 | 1881 | 1889 | 1894 | rBV2 | 11675  | 22905  | 2.57%   | 0.408%  |
| 65 | 13.556 | 1908 | 1914 | 1920 | rBV  | 209559 | 342886 | 38.51%  | 6.102%  |
| 66 | 13.849 | 1955 | 1962 | 1971 | rBV  | 209789 | 340937 | 38.29%  | 6.067%  |
| 67 | 14.062 | 1993 | 1997 | 2002 | rBV  | 5061   | 8190   | 0.92%   | 0.146%  |
| 68 | 14.257 | 2026 | 2029 | 2031 | rVB3 | 1459   | 1510   | 0.17%   | 0.027%  |
| 69 | 14.287 | 2031 | 2034 | 2035 | rBV3 | 1193   | 1219   | 0.14%   | 0.022%  |
| 70 | 14.556 | 2075 | 2078 | 2080 | rVB4 | 781    | 801    | 0.09%   | 0.014%  |
| 71 | 14.665 | 2093 | 2096 | 2098 | rBV3 | 989    | 1148   | 0.13%   | 0.020%  |
| 72 | 14.684 | 2098 | 2099 | 2101 | rVV2 | 1183   | 887    | 0.10%   | 0.016%  |
| 73 | 14.714 | 2101 | 2104 | 2107 | rVV5 | 2363   | 3171   | 0.36%   | 0.056%  |
| 74 | 14.745 | 2107 | 2109 | 2111 | rVV4 | 1006   | 1070   | 0.12%   | 0.019%  |
| 75 | 14.787 | 2114 | 2116 | 2118 | rBV3 | 887    | 1060   | 0.12%   | 0.019%  |
| 76 | 14.806 | 2118 | 2119 | 2122 | rVB3 | 1295   | 844    | 0.09%   | 0.015%  |

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 Misc : 4.96g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BH620

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\SFAMWLM050224SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 14.861 | 2126 | 2128 | 2130 | rBV3 | 739  | 700  | 0.08% | 0.012% |
| 78  | 14.909 | 2133 | 2136 | 2137 | rBV3 | 1051 | 761  | 0.09% | 0.014% |
| 79  | 15.208 | 2183 | 2185 | 2188 | rBV4 | 649  | 644  | 0.07% | 0.011% |
| 80  | 15.281 | 2195 | 2197 | 2199 | rBV3 | 1165 | 997  | 0.11% | 0.018% |
| 81  | 15.330 | 2203 | 2205 | 2206 | rBV2 | 1172 | 724  | 0.08% | 0.013% |
| 82  | 15.360 | 2208 | 2210 | 2212 | rVB3 | 1109 | 749  | 0.08% | 0.013% |
| 83  | 15.421 | 2215 | 2220 | 2225 | rBV7 | 4363 | 6817 | 0.77% | 0.121% |
| 84  | 15.470 | 2227 | 2228 | 2229 | rBV  | 1213 | 729  | 0.08% | 0.013% |
| 85  | 15.592 | 2246 | 2248 | 2249 | rBV2 | 1004 | 584  | 0.07% | 0.010% |
| 86  | 15.623 | 2251 | 2253 | 2255 | rVB3 | 1240 | 838  | 0.09% | 0.015% |
| 87  | 15.659 | 2256 | 2259 | 2260 | rBV3 | 712  | 632  | 0.07% | 0.011% |
| 88  | 15.726 | 2266 | 2270 | 2272 | rBV5 | 1205 | 2140 | 0.24% | 0.038% |
| 89  | 15.787 | 2278 | 2280 | 2282 | rBV3 | 1031 | 744  | 0.08% | 0.013% |
| 90  | 15.897 | 2297 | 2298 | 2301 | rBV3 | 713  | 711  | 0.08% | 0.013% |
| 91  | 15.994 | 2312 | 2314 | 2315 | rBV2 | 1110 | 592  | 0.07% | 0.011% |
| 92  | 16.025 | 2317 | 2319 | 2321 | rVB3 | 1070 | 870  | 0.10% | 0.015% |
| 93  | 16.098 | 2327 | 2331 | 2335 | rBV6 | 1042 | 2218 | 0.25% | 0.039% |
| 94  | 16.336 | 2368 | 2370 | 2372 | rBV3 | 694  | 932  | 0.10% | 0.017% |
| 95  | 16.415 | 2381 | 2383 | 2389 | rVB6 | 1066 | 854  | 0.10% | 0.015% |
| 96  | 16.488 | 2393 | 2395 | 2396 | rBV2 | 1105 | 588  | 0.07% | 0.010% |
| 97  | 16.592 | 2408 | 2412 | 2413 | rBV3 | 1008 | 1023 | 0.11% | 0.018% |
| 98  | 16.726 | 2433 | 2434 | 2436 | rVB2 | 956  | 550  | 0.06% | 0.010% |
| 99  | 16.750 | 2436 | 2438 | 2440 | rVB3 | 999  | 783  | 0.09% | 0.014% |
| 100 | 16.781 | 2440 | 2443 | 2444 | rBV3 | 950  | 1049 | 0.12% | 0.019% |

Sum of corrected areas: 5619345



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Sample : P2549-03  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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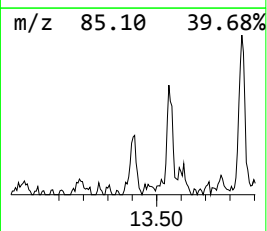
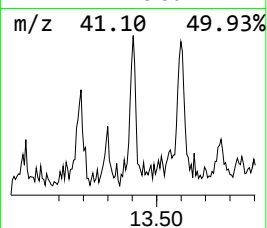
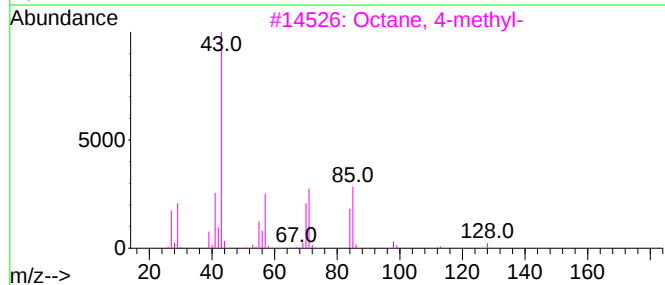
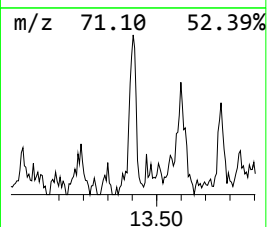
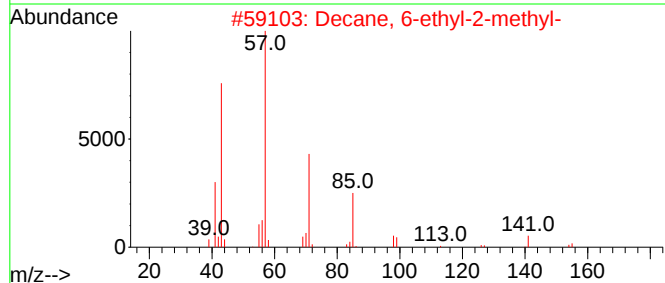
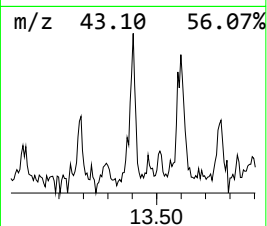
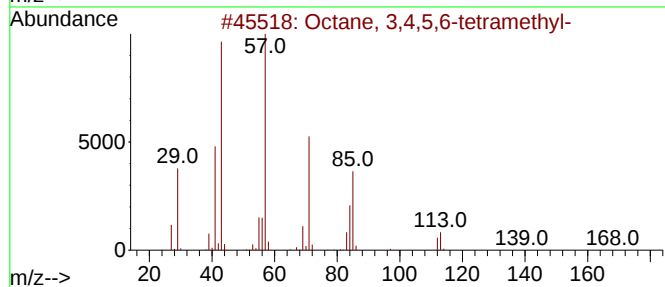
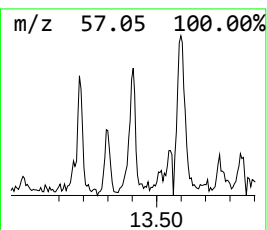
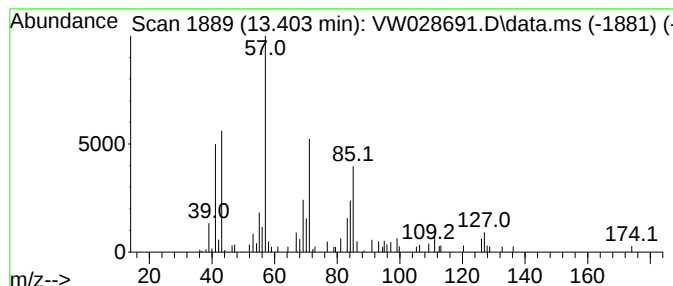
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.403 | 1.67 ug/L | 22905 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | Octane, 3,4,5,6-tetramethyl- | 170 | C12H26  | 062185-21-1 | 59   |
| 2    |      | Decane, 6-ethyl-2-methyl-    | 184 | C13H28  | 062108-21-8 | 53   |
| 3    |      | Octane, 4-methyl-            | 128 | C9H20   | 002216-34-4 | 53   |
| 4    |      | Decane, 2,3,5-trimethyl-     | 184 | C13H28  | 062238-11-3 | 53   |
| 5    |      | Undecane, 2,3-dimethyl-      | 184 | C13H28  | 017312-77-5 | 50   |



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Quant Title : SFAM01.0

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| (DEL) Alkane: S... | 13.403 | 1.7     | ug/L  | 22905    | 3                     | 13.556 | 342886 | 25.0 |