

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062923\  
 Data File : VD076646.D  
 Acq On : 29 Jun 2023 18:54  
 Operator : KP/SY  
 Sample : 03472-11  
 Misc : 4.36G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A46Q5

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\SFAMDLM061523SMA.M  
 Title : SFAM01.0

Signal : TIC: VD076646.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         | 1.646       | 7             | 10          | 12           | rBV2     | 837            | 833           | 0.08%           | 0.008%        |
| 2         | 1.687       | 12            | 17          | 18           | rBV      | 5657           | 7581          | 0.70%           | 0.075%        |
| 3         | 1.734       | 18            | 25          | 33           | rVV      | 512026         | 942776        | 87.17%          | 9.368%        |
| 4         | 2.263       | 110           | 115         | 123          | rVB      | 111714         | 158214        | 14.63%          | 1.572%        |
| 5         | 2.787       | 198           | 204         | 213          | rVB      | 97480          | 186746        | 17.27%          | 1.856%        |
| 6         | 3.187       | 270           | 272         | 273          | rBV2     | 915            | 800           | 0.07%           | 0.008%        |
| 7         | 3.246       | 280           | 282         | 284          | rBV2     | 1091           | 956           | 0.09%           | 0.009%        |
| 8         | 3.422       | 310           | 312         | 313          | rBV      | 1405           | 1054          | 0.10%           | 0.010%        |
| 9         | 3.522       | 326           | 329         | 330          | rVB2     | 1185           | 1040          | 0.10%           | 0.010%        |
| 10        | 3.540       | 330           | 332         | 335          | rBV2     | 905            | 1028          | 0.10%           | 0.010%        |
| 11        | 3.899       | 382           | 393         | 405          | rBV      | 108928         | 299408        | 27.68%          | 2.975%        |
| 12        | 4.022       | 407           | 414         | 419          | rBV3     | 7940           | 15436         | 1.43%           | 0.153%        |
| 13        | 4.099       | 424           | 427         | 429          | rBV3     | 873            | 965           | 0.09%           | 0.010%        |
| 14        | 4.134       | 431           | 433         | 434          | rBV      | 1335           | 1122          | 0.10%           | 0.011%        |
| 15        | 4.205       | 442           | 445         | 447          | rBV2     | 1344           | 1278          | 0.12%           | 0.013%        |
| 16        | 4.257       | 452           | 454         | 457          | rBV      | 838            | 972           | 0.09%           | 0.010%        |
| 17        | 4.334       | 465           | 467         | 470          | rBV      | 950            | 1223          | 0.11%           | 0.012%        |
| 18        | 4.410       | 477           | 480         | 483          | rVB2     | 999            | 1075          | 0.10%           | 0.011%        |
| 19        | 4.446       | 483           | 486         | 488          | rBV      | 1017           | 1012          | 0.09%           | 0.010%        |
| 20        | 4.540       | 500           | 502         | 504          | rBV      | 954            | 938           | 0.09%           | 0.009%        |
| 21        | 4.710       | 528           | 531         | 533          | rVB2     | 861            | 926           | 0.09%           | 0.009%        |
| 22        | 4.793       | 533           | 545         | 555          | rBV3     | 9991           | 28823         | 2.66%           | 0.286%        |
| 23        | 4.881       | 558           | 560         | 563          | rBV2     | 778            | 830           | 0.08%           | 0.008%        |
| 24        | 4.905       | 563           | 564         | 566          | rBV      | 1127           | 1009          | 0.09%           | 0.010%        |
| 25        | 5.210       | 614           | 616         | 620          | rVB3     | 1222           | 1436          | 0.13%           | 0.014%        |
| 26        | 5.263       | 620           | 625         | 626          | rBV3     | 2811           | 3186          | 0.29%           | 0.032%        |
| 27        | 5.404       | 648           | 649         | 651          | rBV      | 1538           | 833           | 0.08%           | 0.008%        |
| 28        | 5.557       | 674           | 675         | 679          | rBV2     | 859            | 989           | 0.09%           | 0.010%        |
| 29        | 5.646       | 687           | 690         | 691          | rBV      | 1086           | 819           | 0.08%           | 0.008%        |
| 30        | 5.769       | 708           | 711         | 714          | rVB      | 771            | 1041          | 0.10%           | 0.010%        |
| 31        | 5.810       | 714           | 718         | 719          | rBV2     | 2265           | 1685          | 0.16%           | 0.017%        |
| 32        | 5.834       | 719           | 722         | 726          | rBV4     | 2016           | 3405          | 0.31%           | 0.034%        |
| 33        | 6.187       | 780           | 782         | 785          | rVB2     | 667            | 863           | 0.08%           | 0.009%        |
| 34        | 6.222       | 785           | 788         | 790          | rBV2     | 1026           | 1061          | 0.10%           | 0.011%        |
| 35        | 6.263       | 794           | 795         | 797          | rBV      | 1066           | 832           | 0.08%           | 0.008%        |
| 36        | 6.334       | 803           | 807         | 808          | rVB2     | 1141           | 1290          | 0.12%           | 0.013%        |

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 A46Q5

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Integrator: RTE

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Sampling : 1

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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\SFAMDLM061523SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 6.463  | 826  | 829  | 830  | rBV  | 1063   | 878     | 0.08%  | 0.009%  |
| 38 | 6.834  | 890  | 892  | 898  | rBV2 | 1148   | 1713    | 0.16%  | 0.017%  |
| 39 | 6.987  | 907  | 918  | 929  | rBV  | 52689  | 159135  | 14.71% | 1.581%  |
| 40 | 7.316  | 972  | 974  | 978  | rVB2 | 1149   | 1377    | 0.13%  | 0.014%  |
| 41 | 7.346  | 978  | 979  | 981  | rBV  | 1845   | 1263    | 0.12%  | 0.013%  |
| 42 | 7.457  | 995  | 998  | 999  | rBV  | 909    | 1065    | 0.10%  | 0.011%  |
| 43 | 7.563  | 1005 | 1016 | 1029 | rVV  | 184071 | 474438  | 43.87% | 4.714%  |
| 44 | 8.198  | 1114 | 1124 | 1140 | rVV2 | 329291 | 1038255 | 96.00% | 10.317% |
| 45 | 8.498  | 1173 | 1175 | 1176 | rVB  | 1542   | 790     | 0.07%  | 0.008%  |
| 46 | 8.775  | 1213 | 1222 | 1235 | rVV  | 434108 | 891570  | 82.43% | 8.859%  |
| 47 | 8.857  | 1235 | 1236 | 1239 | rBV2 | 1392   | 787     | 0.07%  | 0.008%  |
| 48 | 8.916  | 1245 | 1246 | 1249 | rBV3 | 1213   | 1314    | 0.12%  | 0.013%  |
| 49 | 8.969  | 1253 | 1255 | 1258 | rBV2 | 1448   | 1201    | 0.11%  | 0.012%  |
| 50 | 9.004  | 1258 | 1261 | 1263 | rBV3 | 2417   | 3411    | 0.32%  | 0.034%  |
| 51 | 9.210  | 1286 | 1296 | 1305 | rBV  | 260648 | 542042  | 50.12% | 5.386%  |
| 52 | 9.334  | 1314 | 1317 | 1319 | rBV3 | 1513   | 1831    | 0.17%  | 0.018%  |
| 53 | 9.393  | 1325 | 1327 | 1329 | rBV2 | 997    | 1075    | 0.10%  | 0.011%  |
| 54 | 9.475  | 1339 | 1341 | 1344 | rVB  | 1391   | 1090    | 0.10%  | 0.011%  |
| 55 | 9.604  | 1358 | 1363 | 1366 | rVV4 | 4076   | 7296    | 0.67%  | 0.072%  |
| 56 | 9.734  | 1381 | 1385 | 1386 | rVB2 | 1207   | 1142    | 0.11%  | 0.011%  |
| 57 | 9.857  | 1404 | 1406 | 1409 | rVB2 | 1177   | 1095    | 0.10%  | 0.011%  |
| 58 | 9.975  | 1419 | 1426 | 1436 | rVV2 | 150351 | 275919  | 25.51% | 2.742%  |
| 59 | 10.063 | 1439 | 1441 | 1450 | rVB4 | 3972   | 6488    | 0.60%  | 0.064%  |
| 60 | 10.263 | 1467 | 1475 | 1484 | rBV  | 443159 | 816159  | 75.46% | 8.110%  |
| 61 | 10.522 | 1511 | 1519 | 1530 | rVV2 | 100304 | 179256  | 16.57% | 1.781%  |
| 62 | 10.592 | 1530 | 1531 | 1533 | rVV  | 1749   | 1254    | 0.12%  | 0.012%  |
| 63 | 10.663 | 1536 | 1543 | 1550 | rBV3 | 7610   | 16431   | 1.52%  | 0.163%  |
| 64 | 10.875 | 1572 | 1579 | 1590 | rBV  | 208011 | 352468  | 32.59% | 3.502%  |
| 65 | 11.175 | 1628 | 1630 | 1631 | rBV  | 1681   | 1040    | 0.10%  | 0.010%  |
| 66 | 11.339 | 1657 | 1658 | 1660 | rBV  | 1852   | 1498    | 0.14%  | 0.015%  |
| 67 | 11.439 | 1672 | 1675 | 1677 | rBV2 | 797    | 803     | 0.07%  | 0.008%  |
| 68 | 11.463 | 1677 | 1679 | 1681 | rVB  | 1863   | 1122    | 0.10%  | 0.011%  |
| 69 | 11.504 | 1684 | 1686 | 1689 | rVV  | 1041   | 1037    | 0.10%  | 0.010%  |
| 70 | 11.581 | 1691 | 1699 | 1709 | rBV  | 617417 | 1066485 | 98.61% | 10.597% |
| 71 | 11.669 | 1713 | 1714 | 1717 | rBV2 | 2227   | 1574    | 0.15%  | 0.016%  |
| 72 | 11.745 | 1725 | 1727 | 1730 | rVB2 | 2173   | 2138    | 0.20%  | 0.021%  |
| 73 | 11.786 | 1730 | 1734 | 1738 | rBV3 | 2204   | 4730    | 0.44%  | 0.047%  |
| 74 | 11.881 | 1749 | 1750 | 1753 | rVB2 | 1676   | 1360    | 0.13%  | 0.014%  |
| 75 | 11.910 | 1753 | 1755 | 1760 | rBV2 | 1271   | 2097    | 0.19%  | 0.021%  |
| 76 | 12.086 | 1782 | 1785 | 1786 | rBV  | 1238   | 1046    | 0.10%  | 0.010%  |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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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\SFAMDLM061523SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |         |         |
|-----|--------|------|------|------|------|--------|---------|---------|---------|
| 77  | 12.186 | 1800 | 1802 | 1804 | rVB2 | 1056   | 908     | 0.08%   | 0.009%  |
| 78  | 12.216 | 1804 | 1807 | 1808 | rVB2 | 1265   | 1170    | 0.11%   | 0.012%  |
| 79  | 12.239 | 1808 | 1811 | 1813 | rBV  | 1405   | 1180    | 0.11%   | 0.012%  |
| 80  | 12.281 | 1816 | 1818 | 1820 | rBV2 | 1644   | 1481    | 0.14%   | 0.015%  |
| 81  | 12.416 | 1835 | 1841 | 1842 | rBV3 | 1143   | 1826    | 0.17%   | 0.018%  |
| 82  | 12.481 | 1850 | 1852 | 1854 | rVB2 | 1679   | 1070    | 0.10%   | 0.011%  |
| 83  | 12.575 | 1863 | 1868 | 1874 | rVB4 | 17036  | 28319   | 2.62%   | 0.281%  |
| 84  | 12.651 | 1874 | 1881 | 1888 | rBV  | 274181 | 464517  | 42.95%  | 4.616%  |
| 85  | 12.933 | 1924 | 1929 | 1934 | rVB  | 40183  | 68453   | 6.33%   | 0.680%  |
| 86  | 12.975 | 1934 | 1936 | 1943 | rVB3 | 4121   | 5102    | 0.47%   | 0.051%  |
| 87  | 13.081 | 1953 | 1954 | 1957 | rBV  | 1875   | 1336    | 0.12%   | 0.013%  |
| 88  | 13.104 | 1957 | 1958 | 1960 | rBV  | 1142   | 1080    | 0.10%   | 0.011%  |
| 89  | 13.304 | 1990 | 1992 | 1993 | rBV  | 1283   | 861     | 0.08%   | 0.009%  |
| 90  | 13.339 | 1993 | 1998 | 2001 | rBV4 | 5180   | 8974    | 0.83%   | 0.089%  |
| 91  | 13.516 | 2021 | 2028 | 2037 | rBV  | 683780 | 1081570 | 100.00% | 10.747% |
| 92  | 13.816 | 2071 | 2079 | 2086 | rBV  | 487916 | 814243  | 75.28%  | 8.091%  |
| 93  | 14.051 | 2114 | 2119 | 2123 | rBV4 | 8097   | 12622   | 1.17%   | 0.125%  |
| 94  | 14.292 | 2157 | 2160 | 2164 | rBV4 | 4253   | 7183    | 0.66%   | 0.071%  |
| 95  | 14.745 | 2235 | 2237 | 2238 | rBV2 | 2181   | 1384    | 0.13%   | 0.014%  |
| 96  | 14.792 | 2239 | 2245 | 2246 | rBV5 | 9143   | 14329   | 1.32%   | 0.142%  |
| 97  | 15.416 | 2349 | 2351 | 2352 | rVB2 | 1893   | 821     | 0.08%   | 0.008%  |
| 98  | 15.463 | 2358 | 2359 | 2362 | rBV3 | 3079   | 2757    | 0.25%   | 0.027%  |
| 99  | 16.404 | 2517 | 2519 | 2521 | rBV2 | 2763   | 2556    | 0.24%   | 0.025%  |
| 100 | 16.657 | 2561 | 2562 | 2564 | rBV2 | 2002   | 1107    | 0.10%   | 0.011%  |

Sum of corrected areas: 10064007



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Instrument :  
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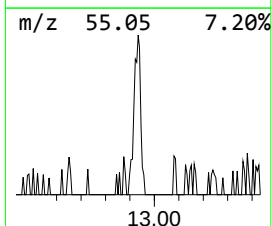
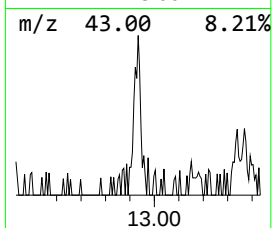
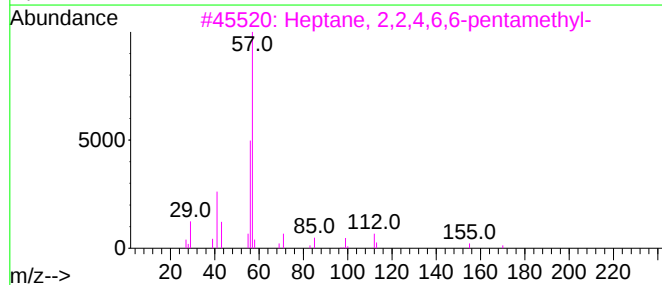
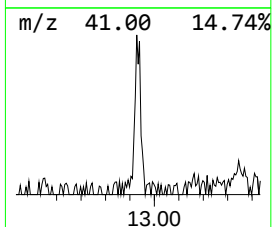
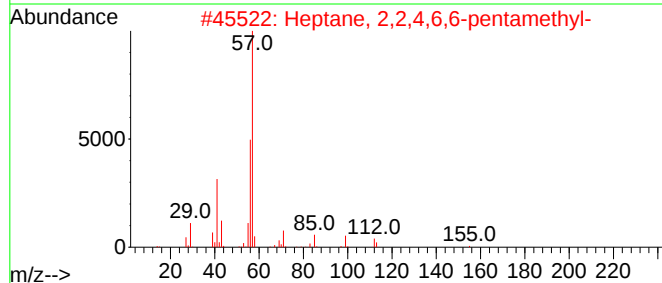
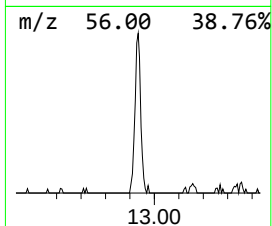
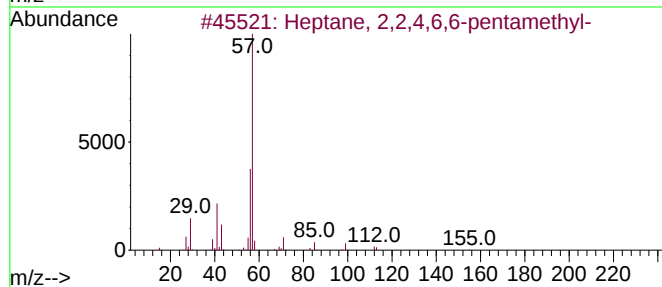
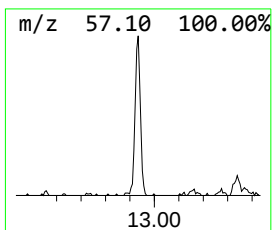
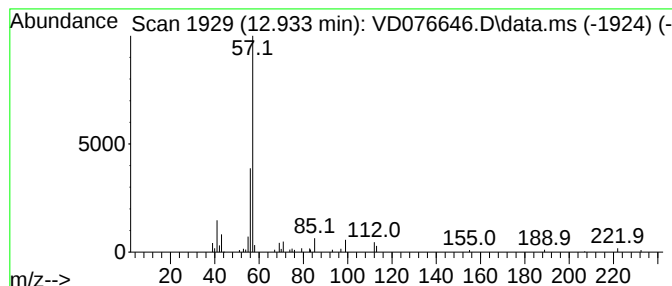
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.934 | 1.58 ug/L | 68453 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 72   |
| 2    |    |   | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 59   |
| 3    |    |   | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 59   |
| 4    |    |   | Decane, 2,2,8-trimethyl-        | 184 | C13H28  | 062238-01-1 | 45   |
| 5    |    |   | Hexane, 2,2-dimethyl-           | 114 | C8H18   | 000590-73-8 | 45   |



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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... | 12.934 | 1.6     | ug/L  | 68453    | 3                     | 13.516 | 1081570 | 25.0 |