

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080521\  
 Data File : VW019680.D  
 Acq On : 05 Aug 2021 14:03  
 Operator : SY/VA  
 Sample : VIBLK400  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK400

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\SFAMWLM070921SMA.M

Title : SFAM01.0

Signal : TIC: VW019680.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         | 2.355       | 68            | 74          | 88           | rVB      | 97507          | 178468        | 12.14%          | 1.515%        |
| 2         | 2.623       | 114           | 118         | 119          | rBV2     | 4491           | 5748          | 0.39%           | 0.049%        |
| 3         | 2.892       | 155           | 162         | 177          | rVB      | 67929          | 171077        | 11.63%          | 1.452%        |
| 4         | 3.007       | 179           | 181         | 183          | rBV3     | 1243           | 1139          | 0.08%           | 0.010%        |
| 5         | 3.385       | 239           | 243         | 244          | rBV3     | 750            | 805           | 0.05%           | 0.007%        |
| 6         | 3.471       | 253           | 257         | 261          | rBV3     | 254            | 547           | 0.04%           | 0.005%        |
| 7         | 3.538       | 264           | 268         | 273          | rBV4     | 388            | 837           | 0.06%           | 0.007%        |
| 8         | 4.025       | 334           | 348         | 363          | rBV      | 151602         | 463964        | 31.55%          | 3.937%        |
| 9         | 4.397       | 400           | 409         | 417          | rBV4     | 2857           | 8666          | 0.59%           | 0.074%        |
| 10        | 4.928       | 480           | 496         | 517          | rBV      | 66204          | 242260        | 16.47%          | 2.056%        |
| 11        | 5.111       | 520           | 526         | 528          | rBV5     | 1256           | 2469          | 0.17%           | 0.021%        |
| 12        | 5.129       | 528           | 529         | 540          | rVB4     | 1875           | 3542          | 0.24%           | 0.030%        |
| 13        | 5.397       | 569           | 573         | 574          | rBV3     | 361            | 527           | 0.04%           | 0.004%        |
| 14        | 5.415       | 574           | 576         | 577          | rVV      | 729            | 584           | 0.04%           | 0.005%        |
| 15        | 5.434       | 577           | 579         | 586          | rVB4     | 920            | 1396          | 0.09%           | 0.012%        |
| 16        | 5.946       | 653           | 663         | 676          | rVB3     | 18385          | 56949         | 3.87%           | 0.483%        |
| 17        | 6.220       | 699           | 708         | 713          | rBV4     | 481            | 1511          | 0.10%           | 0.013%        |
| 18        | 7.080       | 839           | 849         | 874          | rBV      | 49086          | 153054        | 10.41%          | 1.299%        |
| 19        | 7.452       | 906           | 910         | 914          | rVB2     | 245            | 493           | 0.03%           | 0.004%        |
| 20        | 7.519       | 918           | 921         | 924          | rBV2     | 386            | 632           | 0.04%           | 0.005%        |
| 21        | 7.653       | 931           | 943         | 955          | rBV      | 259869         | 635576        | 43.22%          | 5.394%        |
| 22        | 7.878       | 974           | 980         | 986          | rBV4     | 1136           | 2477          | 0.17%           | 0.021%        |
| 23        | 7.958       | 986           | 993         | 1002         | rVB6     | 3304           | 7297          | 0.50%           | 0.062%        |
| 24        | 8.067       | 1006          | 1011        | 1019         | rVB4     | 861            | 2020          | 0.14%           | 0.017%        |
| 25        | 8.281       | 1032          | 1046        | 1061         | rBV2     | 488858         | 1470585       | 100.00%         | 12.480%       |
| 26        | 8.403       | 1064          | 1066        | 1073         | rVB5     | 1298           | 2107          | 0.14%           | 0.018%        |
| 27        | 8.506       | 1079          | 1083        | 1085         | rBV4     | 726            | 1273          | 0.09%           | 0.011%        |
| 28        | 8.634       | 1100          | 1104        | 1110         | rVB4     | 568            | 819           | 0.06%           | 0.007%        |
| 29        | 8.695       | 1110          | 1114        | 1117         | rVB2     | 446            | 642           | 0.04%           | 0.005%        |
| 30        | 8.842       | 1129          | 1138        | 1153         | rBV      | 524766         | 1054165       | 71.68%          | 8.946%        |
| 31        | 9.086       | 1169          | 1178        | 1184         | rVV7     | 2447           | 5608          | 0.38%           | 0.048%        |
| 32        | 9.275       | 1198          | 1209        | 1218         | rBV      | 343988         | 701927        | 47.73%          | 5.957%        |
| 33        | 9.457       | 1234          | 1239        | 1240         | rBV3     | 575            | 840           | 0.06%           | 0.007%        |
| 34        | 9.604       | 1256          | 1263        | 1264         | rBV2     | 440            | 785           | 0.05%           | 0.007%        |
| 35        | 9.659       | 1266          | 1272        | 1280         | rVB6     | 1756           | 3686          | 0.25%           | 0.031%        |
| 36        | 9.762       | 1283          | 1289        | 1295         | rVB2     | 5569           | 11021         | 0.75%           | 0.094%        |

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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\_W\Method\SFAMWLM070921SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 9.890  | 1302 | 1310 | 1320 | rVB2 | 15028  | 31108   | 2.12%  | 0.264%  |
| 38 | 10.037 | 1326 | 1334 | 1347 | rVV  | 181048 | 333997  | 22.71% | 2.834%  |
| 39 | 10.128 | 1347 | 1349 | 1357 | rVB5 | 1419   | 2167    | 0.15%  | 0.018%  |
| 40 | 10.250 | 1359 | 1369 | 1374 | rBV2 | 7003   | 13287   | 0.90%  | 0.113%  |
| 41 | 10.323 | 1374 | 1381 | 1389 | rVV  | 666218 | 1184320 | 80.53% | 10.050% |
| 42 | 10.390 | 1389 | 1392 | 1399 | rVV  | 13554  | 21002   | 1.43%  | 0.178%  |
| 43 | 10.506 | 1406 | 1411 | 1415 | rVB4 | 1824   | 2739    | 0.19%  | 0.023%  |
| 44 | 10.579 | 1415 | 1423 | 1437 | rBV  | 123249 | 210470  | 14.31% | 1.786%  |
| 45 | 10.707 | 1437 | 1444 | 1451 | rVV2 | 28242  | 50237   | 3.42%  | 0.426%  |
| 46 | 10.774 | 1451 | 1455 | 1460 | rVB3 | 2570   | 4567    | 0.31%  | 0.039%  |
| 47 | 10.860 | 1463 | 1469 | 1474 | rBV2 | 15219  | 28677   | 1.95%  | 0.243%  |
| 48 | 10.927 | 1474 | 1480 | 1492 | rVV  | 184673 | 320464  | 21.79% | 2.720%  |
| 49 | 11.067 | 1495 | 1503 | 1510 | rVB4 | 5736   | 12029   | 0.82%  | 0.102%  |
| 50 | 11.171 | 1517 | 1520 | 1521 | rBV2 | 724    | 567     | 0.04%  | 0.005%  |
| 51 | 11.238 | 1527 | 1531 | 1534 | rVB3 | 398    | 503     | 0.03%  | 0.004%  |
| 52 | 11.341 | 1541 | 1548 | 1551 | rVB3 | 632    | 1131    | 0.08%  | 0.010%  |
| 53 | 11.408 | 1551 | 1559 | 1563 | rBV4 | 1658   | 2886    | 0.20%  | 0.024%  |
| 54 | 11.634 | 1587 | 1596 | 1605 | rBV  | 779436 | 1310073 | 89.09% | 11.117% |
| 55 | 11.738 | 1609 | 1613 | 1619 | rVB2 | 3093   | 4761    | 0.32%  | 0.040%  |
| 56 | 11.835 | 1623 | 1629 | 1634 | rBV4 | 3092   | 6583    | 0.45%  | 0.056%  |
| 57 | 12.067 | 1663 | 1667 | 1671 | rVB2 | 629    | 749     | 0.05%  | 0.006%  |
| 58 | 12.122 | 1671 | 1676 | 1680 | rBV2 | 2154   | 3314    | 0.23%  | 0.028%  |
| 59 | 12.170 | 1680 | 1684 | 1691 | rVB5 | 2875   | 5260    | 0.36%  | 0.045%  |
| 60 | 12.237 | 1692 | 1695 | 1698 | rVB3 | 448    | 776     | 0.05%  | 0.007%  |
| 61 | 12.463 | 1726 | 1732 | 1738 | rBV4 | 2746   | 4572    | 0.31%  | 0.039%  |
| 62 | 12.512 | 1738 | 1740 | 1745 | rVB2 | 362    | 464     | 0.03%  | 0.004%  |
| 63 | 12.603 | 1745 | 1755 | 1762 | rBV2 | 23599  | 47587   | 3.24%  | 0.404%  |
| 64 | 12.695 | 1762 | 1770 | 1776 | rBV  | 289677 | 485282  | 33.00% | 4.118%  |
| 65 | 12.756 | 1776 | 1780 | 1786 | rVB3 | 6033   | 9414    | 0.64%  | 0.080%  |
| 66 | 12.835 | 1791 | 1793 | 1797 | rBV  | 283    | 482     | 0.03%  | 0.004%  |
| 67 | 12.932 | 1804 | 1809 | 1818 | rBV5 | 3810   | 9709    | 0.66%  | 0.082%  |
| 68 | 13.012 | 1820 | 1822 | 1829 | rVB4 | 1288   | 1965    | 0.13%  | 0.017%  |
| 69 | 13.073 | 1829 | 1832 | 1833 | rBV2 | 408    | 453     | 0.03%  | 0.004%  |
| 70 | 13.127 | 1833 | 1841 | 1843 | rBV4 | 621    | 1405    | 0.10%  | 0.012%  |
| 71 | 13.195 | 1846 | 1852 | 1856 | rVB  | 5738   | 9664    | 0.66%  | 0.082%  |
| 72 | 13.249 | 1856 | 1861 | 1864 | rBV3 | 3509   | 5697    | 0.39%  | 0.048%  |
| 73 | 13.408 | 1879 | 1887 | 1892 | rBV4 | 8488   | 15288   | 1.04%  | 0.130%  |
| 74 | 13.499 | 1893 | 1902 | 1905 | rBV7 | 4056   | 9329    | 0.63%  | 0.079%  |
| 75 | 13.554 | 1905 | 1911 | 1918 | rBV  | 786414 | 1266479 | 86.12% | 10.748% |
| 76 | 13.768 | 1939 | 1946 | 1949 | rBV3 | 4589   | 8215    | 0.56%  | 0.070%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK400

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\SFAMWLM070921SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.853 | 1952 | 1960 | 1967 | rBV  | 651569 | 1059791 | 72.07% | 8.994% |
| 78  | 14.066 | 1988 | 1995 | 2002 | rBV2 | 19140  | 31910   | 2.17%  | 0.271% |
| 79  | 14.298 | 2029 | 2033 | 2034 | rBV4 | 1008   | 1178    | 0.08%  | 0.010% |
| 80  | 14.328 | 2034 | 2038 | 2046 | rVB6 | 3146   | 5569    | 0.38%  | 0.047% |
| 81  | 14.396 | 2046 | 2049 | 2050 | rBV3 | 485    | 527     | 0.04%  | 0.004% |
| 82  | 14.420 | 2050 | 2053 | 2058 | rVB5 | 789    | 1108    | 0.08%  | 0.009% |
| 83  | 14.499 | 2062 | 2066 | 2067 | rBV2 | 967    | 1279    | 0.09%  | 0.011% |
| 84  | 14.627 | 2082 | 2087 | 2091 | rVV3 | 2977   | 4654    | 0.32%  | 0.039% |
| 85  | 14.719 | 2099 | 2102 | 2107 | rVB5 | 573    | 1101    | 0.07%  | 0.009% |
| 86  | 14.792 | 2111 | 2114 | 2116 | rBV3 | 516    | 458     | 0.03%  | 0.004% |
| 87  | 14.932 | 2134 | 2137 | 2142 | rVB3 | 294    | 594     | 0.04%  | 0.005% |
| 88  | 14.981 | 2142 | 2145 | 2148 | rVB2 | 489    | 609     | 0.04%  | 0.005% |
| 89  | 15.127 | 2164 | 2169 | 2175 | rVB4 | 1282   | 2463    | 0.17%  | 0.021% |
| 90  | 15.371 | 2203 | 2209 | 2210 | rBV2 | 1133   | 1840    | 0.13%  | 0.016% |
| 91  | 15.432 | 2210 | 2219 | 2224 | rVV3 | 15774  | 26446   | 1.80%  | 0.224% |
| 92  | 15.493 | 2224 | 2229 | 2235 | rVV2 | 5823   | 10973   | 0.75%  | 0.093% |
| 93  | 15.548 | 2235 | 2238 | 2245 | rVB4 | 1167   | 2235    | 0.15%  | 0.019% |
| 94  | 15.792 | 2272 | 2278 | 2281 | rBV6 | 1179   | 2149    | 0.15%  | 0.018% |
| 95  | 15.956 | 2301 | 2305 | 2308 | rBV4 | 816    | 1393    | 0.09%  | 0.012% |
| 96  | 16.090 | 2323 | 2327 | 2332 | rBV6 | 853    | 1656    | 0.11%  | 0.014% |
| 97  | 16.340 | 2365 | 2368 | 2370 | rBV4 | 592    | 826     | 0.06%  | 0.007% |
| 98  | 16.505 | 2392 | 2395 | 2396 | rBV2 | 508    | 634     | 0.04%  | 0.005% |
| 99  | 16.688 | 2422 | 2425 | 2427 | rBV4 | 438    | 514     | 0.03%  | 0.004% |
| 100 | 16.743 | 2432 | 2434 | 2438 | rVB2 | 692    | 817     | 0.06%  | 0.007% |

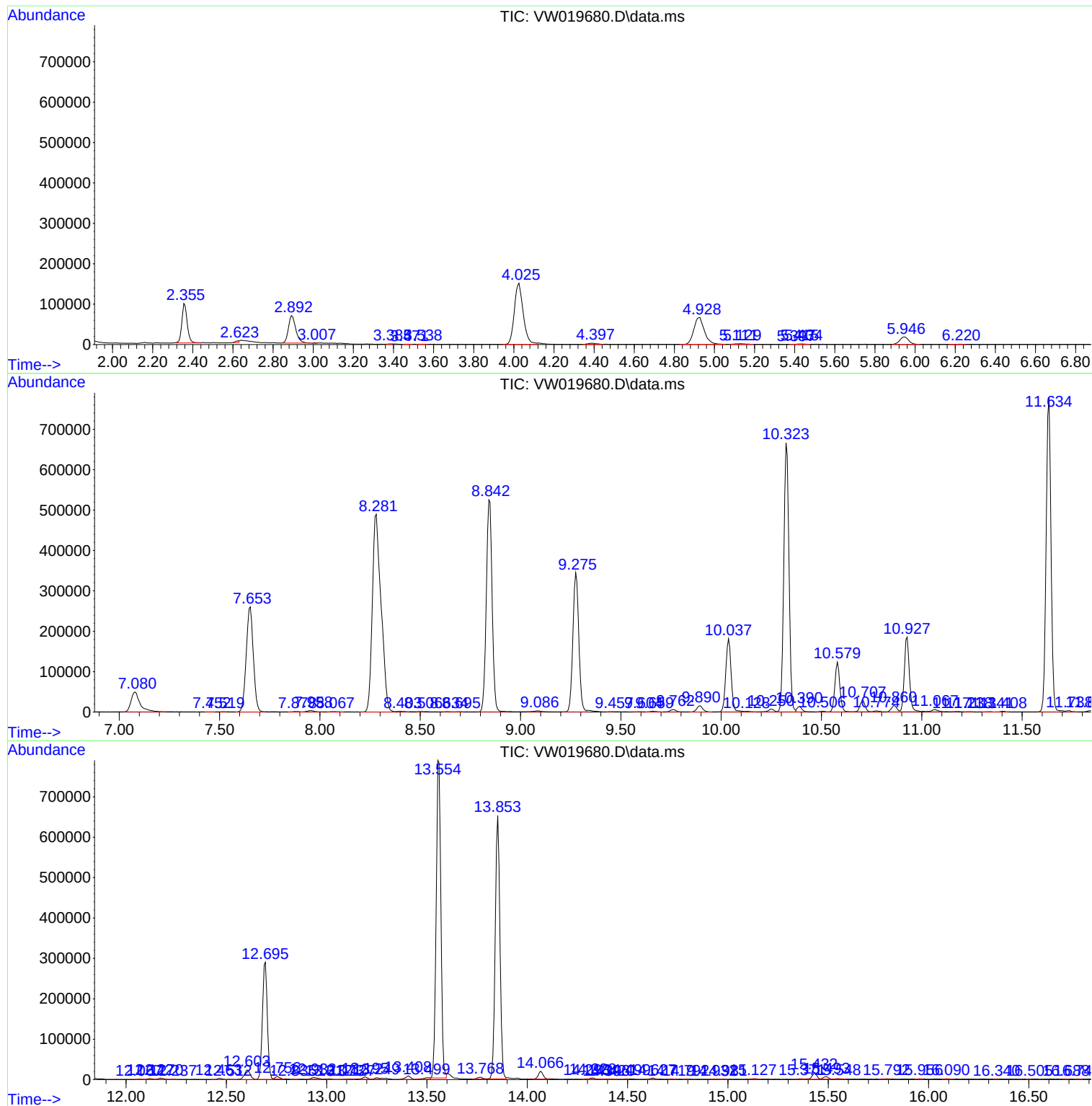
Sum of corrected areas: 11783892

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Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070921SMA.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\SFAMWLM070921SMA.M  
Quant Title : SFAM01.0

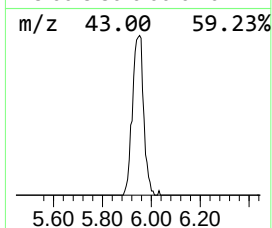
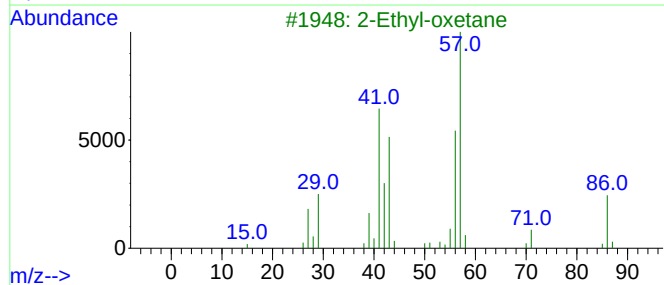
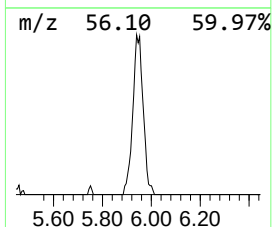
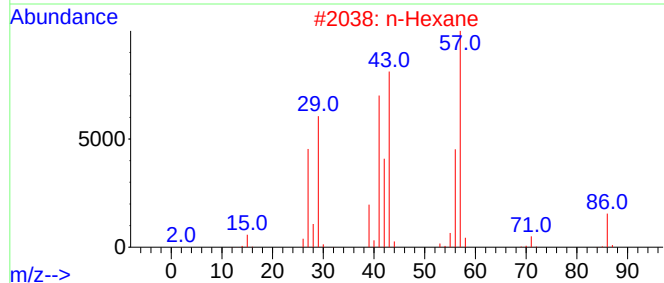
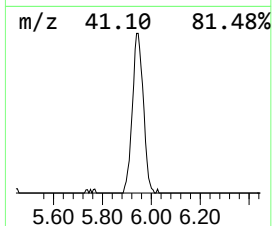
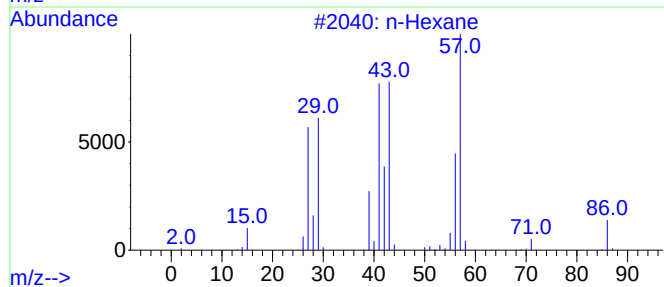
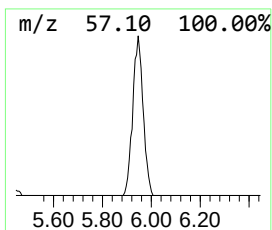
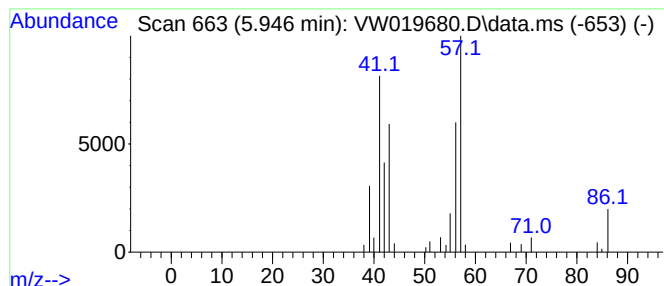
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.946 | 1.35 ug/L | 56949 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of 5            | Tentative ID | MW | MolForm | CAS#         | Qual |
|------|-----------------|--------------|----|---------|--------------|------|
| 1    | n-Hexane        |              | 86 | C6H14   | 000110-54-3  | 78   |
| 2    | n-Hexane        |              | 86 | C6H14   | 000110-54-3  | 64   |
| 3    | 2-Ethyl-oxetane |              | 86 | C5H10O  | 1010386-40-2 | 56   |
| 4    | n-Hexane        |              | 86 | C6H14   | 000110-54-3  | 53   |
| 5    | n-Hexane        |              | 86 | C6H14   | 000110-54-3  | 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... | 5.946 | 1.4     | ug/L  | 56949    | 1                     | 8.848 | 1054170 | 25.0 |