

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
 Data File : VW018797.D  
 Acq On : 27 Apr 2021 09:44  
 Operator : SY/VA  
 Sample : VW0427SBL01  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK109

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

Signal : TIC: VW018797.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         | 2.154       | 36            | 41          | 49           | rBV      | 28061          | 68228         | 3.34%           | 0.474%        |
| 2         | 2.355       | 65            | 74          | 85           | rBV      | 97973          | 196992        | 9.66%           | 1.369%        |
| 3         | 2.891       | 155           | 162         | 178          | rBV      | 74900          | 188124        | 9.22%           | 1.308%        |
| 4         | 3.385       | 240           | 243         | 244          | rBV2     | 920            | 948           | 0.05%           | 0.007%        |
| 5         | 3.550       | 264           | 270         | 272          | rVV4     | 645            | 1346          | 0.07%           | 0.009%        |
| 6         | 4.019       | 334           | 347         | 373          | rBV      | 168278         | 524258        | 25.70%          | 3.644%        |
| 7         | 4.391       | 399           | 408         | 424          | rBV2     | 10042          | 35216         | 1.73%           | 0.245%        |
| 8         | 4.915       | 483           | 494         | 507          | rBV4     | 9544           | 34766         | 1.70%           | 0.242%        |
| 9         | 5.117       | 523           | 527         | 528          | rVV4     | 1140           | 1356          | 0.07%           | 0.009%        |
| 10        | 5.421       | 571           | 577         | 578          | rBV4     | 1689           | 3024          | 0.15%           | 0.021%        |
| 11        | 5.751       | 624           | 631         | 633          | rVV3     | 872            | 1365          | 0.07%           | 0.009%        |
| 12        | 5.940       | 652           | 662         | 672          | rVB4     | 3757           | 12702         | 0.62%           | 0.088%        |
| 13        | 6.220       | 705           | 708         | 710          | rVV4     | 687            | 945           | 0.05%           | 0.007%        |
| 14        | 6.452       | 739           | 746         | 747          | rBV2     | 447            | 753           | 0.04%           | 0.005%        |
| 15        | 6.507       | 754           | 755         | 762          | rBV3     | 399            | 851           | 0.04%           | 0.006%        |
| 16        | 6.909       | 817           | 821         | 823          | rBV2     | 566            | 742           | 0.04%           | 0.005%        |
| 17        | 6.927       | 823           | 824         | 828          | rVB2     | 839            | 699           | 0.03%           | 0.005%        |
| 18        | 7.074       | 838           | 848         | 854          | rBV      | 51451          | 146646        | 7.19%           | 1.019%        |
| 19        | 7.275       | 877           | 881         | 882          | rBV4     | 742            | 1120          | 0.05%           | 0.008%        |
| 20        | 7.506       | 915           | 919         | 920          | rBV2     | 746            | 755           | 0.04%           | 0.005%        |
| 21        | 7.525       | 920           | 922         | 925          | rVB3     | 700            | 742           | 0.04%           | 0.005%        |
| 22        | 7.647       | 931           | 942         | 958          | rBV      | 302471         | 740027        | 36.28%          | 5.143%        |
| 23        | 7.769       | 959           | 962         | 967          | rVB4     | 1217           | 2179          | 0.11%           | 0.015%        |
| 24        | 7.860       | 972           | 977         | 978          | rBV4     | 634            | 826           | 0.04%           | 0.006%        |
| 25        | 7.952       | 985           | 992         | 999          | rBV5     | 2436           | 5202          | 0.26%           | 0.036%        |
| 26        | 8.061       | 1007          | 1010        | 1011         | rBV2     | 915            | 802           | 0.04%           | 0.006%        |
| 27        | 8.080       | 1011          | 1013        | 1017         | rVB2     | 1039           | 979           | 0.05%           | 0.007%        |
| 28        | 8.159       | 1020          | 1026        | 1029         | rVB3     | 558            | 808           | 0.04%           | 0.006%        |
| 29        | 8.275       | 1032          | 1045        | 1060         | rBV3     | 648978         | 2039757       | 100.00%         | 14.177%       |
| 30        | 8.403       | 1065          | 1066        | 1073         | rVB5     | 1988           | 2799          | 0.14%           | 0.019%        |
| 31        | 8.622       | 1099          | 1102        | 1108         | rBV3     | 747            | 1202          | 0.06%           | 0.008%        |
| 32        | 8.689       | 1111          | 1113        | 1114         | rVV2     | 765            | 757           | 0.04%           | 0.005%        |
| 33        | 8.842       | 1127          | 1138        | 1153         | rBV      | 649846         | 1311910       | 64.32%          | 9.118%        |
| 34        | 9.092       | 1172          | 1179        | 1184         | rBV6     | 2683           | 6190          | 0.30%           | 0.043%        |
| 35        | 9.274       | 1196          | 1209        | 1217         | rBV      | 405280         | 815020        | 39.96%          | 5.665%        |
| 36        | 9.463       | 1235          | 1240        | 1242         | rBV3     | 951            | 1682          | 0.08%           | 0.012%        |

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 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VBLK109

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 9.659  | 1266 | 1272 | 1273 | rBV2 | 1367   | 2250    | 0.11%  | 0.016%  |
| 38 | 9.762  | 1282 | 1289 | 1297 | rVB  | 9024   | 17594   | 0.86%  | 0.122%  |
| 39 | 9.890  | 1302 | 1310 | 1318 | rBV  | 20945  | 43994   | 2.16%  | 0.306%  |
| 40 | 9.957  | 1318 | 1321 | 1322 | rVV2 | 1009   | 1159    | 0.06%  | 0.008%  |
| 41 | 10.036 | 1326 | 1334 | 1347 | rVV  | 218588 | 404417  | 19.83% | 2.811%  |
| 42 | 10.207 | 1356 | 1362 | 1364 | rBV3 | 4234   | 6661    | 0.33%  | 0.046%  |
| 43 | 10.244 | 1365 | 1368 | 1373 | rVV2 | 8633   | 14967   | 0.73%  | 0.104%  |
| 44 | 10.323 | 1373 | 1381 | 1388 | rVV  | 815191 | 1435955 | 70.40% | 9.980%  |
| 45 | 10.384 | 1388 | 1391 | 1401 | rVB  | 16112  | 29084   | 1.43%  | 0.202%  |
| 46 | 10.512 | 1405 | 1412 | 1414 | rBV5 | 1093   | 1824    | 0.09%  | 0.013%  |
| 47 | 10.579 | 1416 | 1423 | 1433 | rVB  | 139260 | 243583  | 11.94% | 1.693%  |
| 48 | 10.701 | 1437 | 1443 | 1451 | rBV  | 85879  | 150675  | 7.39%  | 1.047%  |
| 49 | 10.780 | 1451 | 1456 | 1462 | rVB6 | 2925   | 5638    | 0.28%  | 0.039%  |
| 50 | 10.853 | 1462 | 1468 | 1473 | rBV5 | 5278   | 10703   | 0.52%  | 0.074%  |
| 51 | 10.920 | 1473 | 1479 | 1489 | rBV  | 193898 | 336007  | 16.47% | 2.335%  |
| 52 | 11.061 | 1498 | 1502 | 1510 | rVB  | 9363   | 16109   | 0.79%  | 0.112%  |
| 53 | 11.177 | 1516 | 1521 | 1526 | rVB4 | 5244   | 8567    | 0.42%  | 0.060%  |
| 54 | 11.238 | 1526 | 1531 | 1536 | rBV6 | 701    | 1439    | 0.07%  | 0.010%  |
| 55 | 11.341 | 1544 | 1548 | 1553 | rBV3 | 651    | 1093    | 0.05%  | 0.008%  |
| 56 | 11.439 | 1553 | 1564 | 1571 | rVV  | 39402  | 73045   | 3.58%  | 0.508%  |
| 57 | 11.628 | 1585 | 1595 | 1605 | rBV  | 914042 | 1576350 | 77.28% | 10.956% |
| 58 | 11.731 | 1608 | 1612 | 1617 | rVB2 | 4495   | 7532    | 0.37%  | 0.052%  |
| 59 | 11.835 | 1624 | 1629 | 1639 | rVB4 | 5368   | 11625   | 0.57%  | 0.081%  |
| 60 | 12.170 | 1676 | 1684 | 1692 | rBV6 | 6254   | 14302   | 0.70%  | 0.099%  |
| 61 | 12.225 | 1692 | 1693 | 1699 | rVV4 | 692    | 1128    | 0.06%  | 0.008%  |
| 62 | 12.347 | 1710 | 1713 | 1718 | rVB4 | 859    | 1132    | 0.06%  | 0.008%  |
| 63 | 12.463 | 1727 | 1732 | 1738 | rVB2 | 5572   | 9325    | 0.46%  | 0.065%  |
| 64 | 12.603 | 1745 | 1755 | 1762 | rBV  | 58662  | 106065  | 5.20%  | 0.737%  |
| 65 | 12.688 | 1762 | 1769 | 1776 | rBV  | 337272 | 552546  | 27.09% | 3.840%  |
| 66 | 12.756 | 1776 | 1780 | 1790 | rVB4 | 7966   | 15924   | 0.78%  | 0.111%  |
| 67 | 12.865 | 1794 | 1798 | 1801 | rVB3 | 749    | 1159    | 0.06%  | 0.008%  |
| 68 | 12.932 | 1804 | 1809 | 1812 | rBV2 | 10775  | 19141   | 0.94%  | 0.133%  |
| 69 | 13.036 | 1824 | 1826 | 1830 | rVB2 | 2223   | 2195    | 0.11%  | 0.015%  |
| 70 | 13.079 | 1830 | 1833 | 1840 | rVB6 | 1791   | 2877    | 0.14%  | 0.020%  |
| 71 | 13.194 | 1846 | 1852 | 1856 | rVB2 | 5337   | 7961    | 0.39%  | 0.055%  |
| 72 | 13.249 | 1856 | 1861 | 1864 | rBV2 | 6578   | 9957    | 0.49%  | 0.069%  |
| 73 | 13.292 | 1864 | 1868 | 1876 | rVB3 | 15853  | 25650   | 1.26%  | 0.178%  |
| 74 | 13.408 | 1878 | 1887 | 1892 | rBV6 | 7002   | 15075   | 0.74%  | 0.105%  |
| 75 | 13.499 | 1892 | 1902 | 1905 | rBV7 | 8290   | 19803   | 0.97%  | 0.138%  |
| 76 | 13.554 | 1905 | 1911 | 1918 | rBV  | 983122 | 1556407 | 76.30% | 10.818% |

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 Sample : VW0427SBL01  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK109

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\SFAMWLM041421SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.761 | 1940 | 1945 | 1949 | rBV4 | 6682   | 12241   | 0.60%  | 0.085% |
| 78  | 13.853 | 1953 | 1960 | 1967 | rBV  | 778827 | 1261011 | 61.82% | 8.764% |
| 79  | 14.011 | 1984 | 1986 | 1989 | rVB4 | 1124   | 1163    | 0.06%  | 0.008% |
| 80  | 14.066 | 1989 | 1995 | 2013 | rVB2 | 35044  | 63620   | 3.12%  | 0.442% |
| 81  | 14.194 | 2013 | 2016 | 2023 | rVB5 | 1316   | 2247    | 0.11%  | 0.016% |
| 82  | 14.249 | 2023 | 2025 | 2027 | rBV3 | 595    | 733     | 0.04%  | 0.005% |
| 83  | 14.322 | 2027 | 2037 | 2041 | rBV9 | 2286   | 5655    | 0.28%  | 0.039% |
| 84  | 14.359 | 2041 | 2043 | 2047 | rVB5 | 1529   | 1816    | 0.09%  | 0.013% |
| 85  | 14.499 | 2059 | 2066 | 2070 | rBV7 | 1560   | 3621    | 0.18%  | 0.025% |
| 86  | 14.621 | 2081 | 2086 | 2094 | rVV  | 7935   | 13483   | 0.66%  | 0.094% |
| 87  | 14.725 | 2099 | 2103 | 2108 | rVV5 | 4104   | 6448    | 0.32%  | 0.045% |
| 88  | 14.798 | 2113 | 2115 | 2120 | rVB4 | 578    | 706     | 0.03%  | 0.005% |
| 89  | 15.023 | 2148 | 2152 | 2154 | rVV4 | 558    | 735     | 0.04%  | 0.005% |
| 90  | 15.127 | 2162 | 2169 | 2179 | rVV6 | 9013   | 17952   | 0.88%  | 0.125% |
| 91  | 15.359 | 2203 | 2207 | 2213 | rBV  | 7457   | 14032   | 0.69%  | 0.098% |
| 92  | 15.432 | 2214 | 2219 | 2224 | rVV  | 17823  | 29185   | 1.43%  | 0.203% |
| 93  | 15.481 | 2224 | 2227 | 2234 | rVV2 | 4002   | 7264    | 0.36%  | 0.050% |
| 94  | 15.554 | 2234 | 2239 | 2244 | rVB4 | 8468   | 15292   | 0.75%  | 0.106% |
| 95  | 15.682 | 2257 | 2260 | 2266 | rVB6 | 2747   | 4390    | 0.22%  | 0.031% |
| 96  | 15.761 | 2266 | 2273 | 2276 | rBV6 | 2820   | 5990    | 0.29%  | 0.042% |
| 97  | 15.840 | 2282 | 2286 | 2291 | rBV7 | 2194   | 3127    | 0.15%  | 0.022% |
| 98  | 15.883 | 2291 | 2293 | 2297 | rVB4 | 1122   | 1470    | 0.07%  | 0.010% |
| 99  | 15.956 | 2300 | 2305 | 2306 | rBV3 | 1157   | 1740    | 0.09%  | 0.012% |
| 100 | 16.035 | 2316 | 2318 | 2324 | rBV5 | 850    | 1210    | 0.06%  | 0.008% |

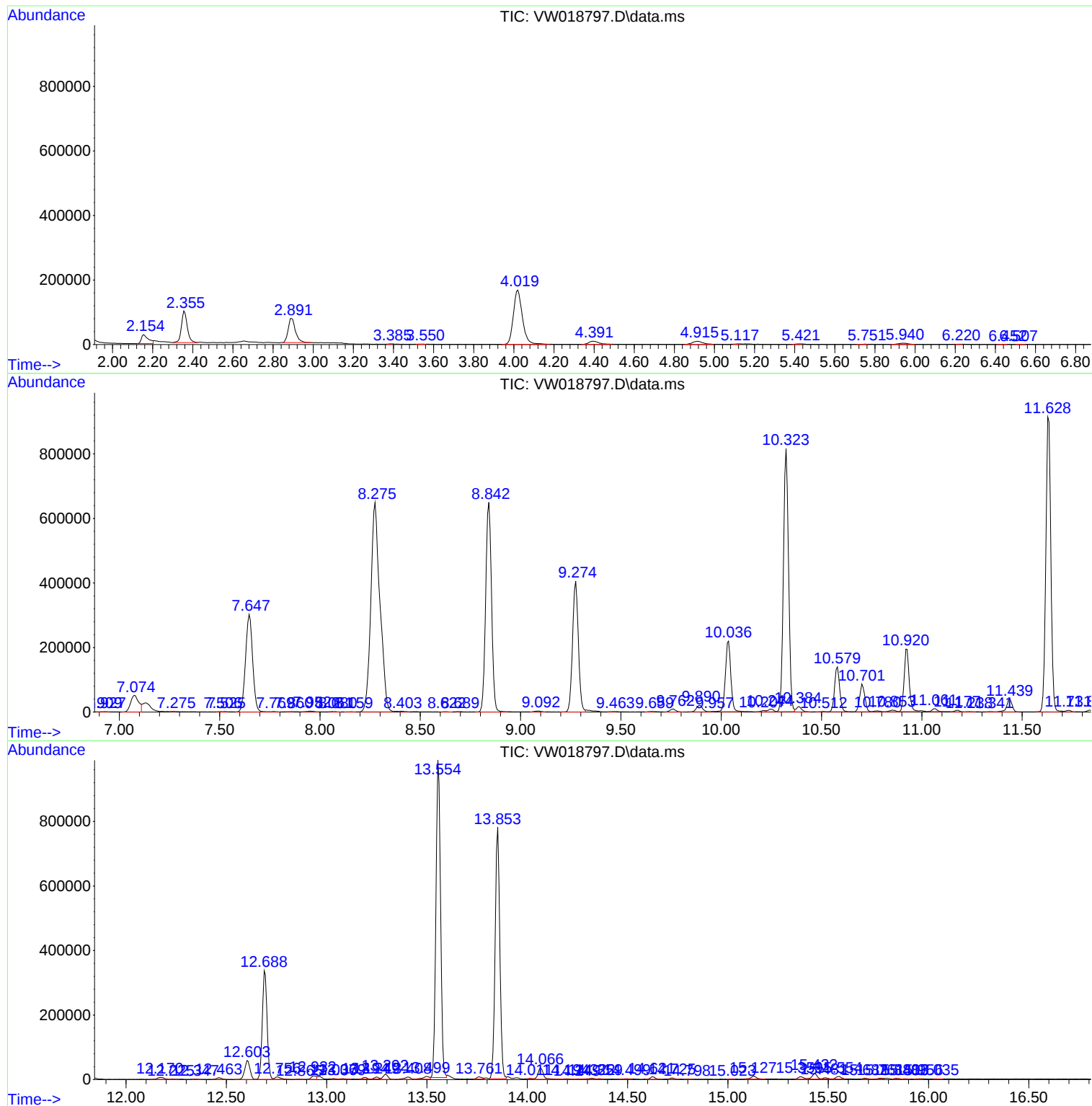
Sum of corrected areas: 14387767

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042721\  
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MSVOA\_W  
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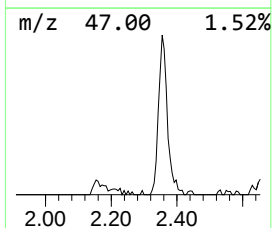
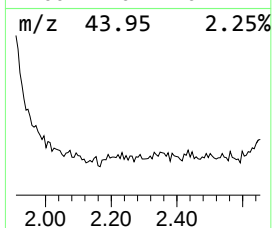
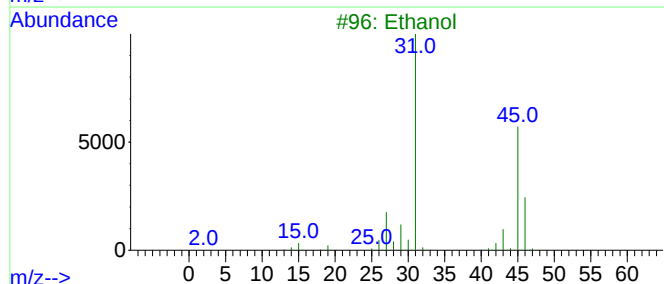
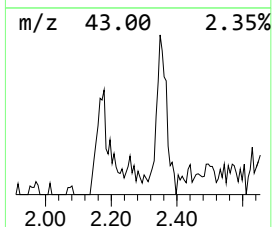
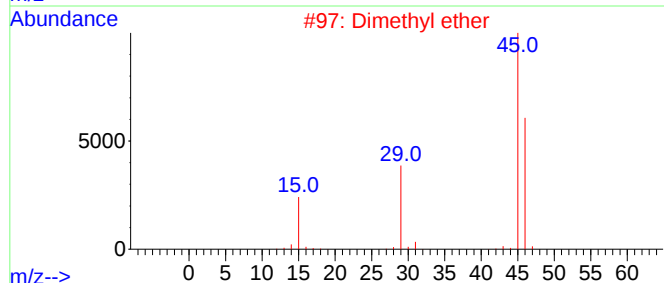
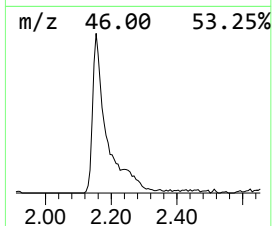
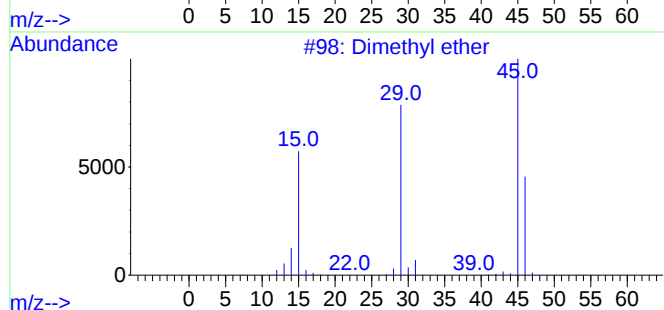
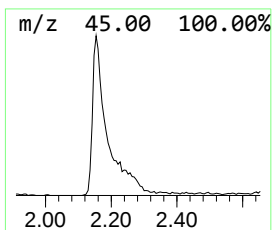
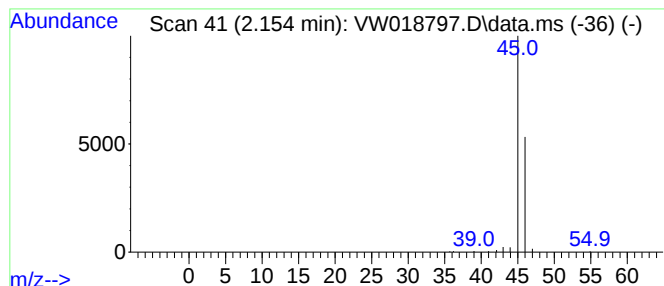
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Dimethyl ether Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.154 | 1.30 ug/L | 68228 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 74   |
| 2    |    |   | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 3    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 9    |
| 4    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 5    |



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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Dimethyl ether   | 2.154 | 1.3     | ug/L  | 68228    | 1                     | 8.842 | 1311910 | 25.0 |