

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042621\  
 Data File : VW018784.D  
 Acq On : 26 Apr 2021 16:23  
 Operator : SY/VA  
 Sample : M2165-21  
 Misc : 6.86G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB3G2

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: VW018784.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         | 1.995       | 11            | 15          | 23           | rVB2     | 7635           | 16220         | 0.02%           | 0.015%        |
| 2         | 2.154       | 36            | 41          | 54           | rBV      | 28714          | 82751         | 0.08%           | 0.075%        |
| 3         | 2.355       | 68            | 74          | 85           | rVB      | 67929          | 137819        | 0.14%           | 0.125%        |
| 4         | 2.501       | 93            | 98          | 105          | rBV      | 10717          | 24531         | 0.02%           | 0.022%        |
| 5         | 2.891       | 155           | 162         | 176          | rVB2     | 58983          | 145576        | 0.15%           | 0.132%        |
| 6         | 3.385       | 237           | 243         | 253          | rVB4     | 936            | 2739          | 0.00%           | 0.002%        |
| 7         | 3.592       | 273           | 277         | 279          | rBV4     | 487            | 566           | 0.00%           | 0.001%        |
| 8         | 3.836       | 313           | 317         | 320          | rVB3     | 499            | 749           | 0.00%           | 0.001%        |
| 9         | 3.873       | 320           | 323         | 326          | rBV3     | 497            | 682           | 0.00%           | 0.001%        |
| 10        | 4.025       | 335           | 348         | 359          | rBV      | 106531         | 333761        | 0.34%           | 0.302%        |
| 11        | 4.129       | 359           | 365         | 378          | rVB      | 17363          | 48206         | 0.05%           | 0.044%        |
| 12        | 4.306       | 392           | 394         | 398          | rVB4     | 481            | 573           | 0.00%           | 0.001%        |
| 13        | 4.391       | 401           | 408         | 409          | rBV4     | 734            | 1161          | 0.00%           | 0.001%        |
| 14        | 4.574       | 434           | 438         | 441          | rVB3     | 454            | 701           | 0.00%           | 0.001%        |
| 15        | 4.714       | 460           | 461         | 466          | rVB4     | 503            | 613           | 0.00%           | 0.001%        |
| 16        | 4.806       | 473           | 476         | 479          | rVB2     | 315            | 514           | 0.00%           | 0.000%        |
| 17        | 4.915       | 483           | 494         | 508          | rVV3     | 32695          | 115554        | 0.12%           | 0.105%        |
| 18        | 5.793       | 627           | 638         | 648          | rBV4     | 3124           | 11711         | 0.01%           | 0.011%        |
| 19        | 5.940       | 651           | 662         | 674          | rBV3     | 5122           | 16884         | 0.02%           | 0.015%        |
| 20        | 6.074       | 679           | 684         | 687          | rBV2     | 298            | 473           | 0.00%           | 0.000%        |
| 21        | 6.628       | 772           | 775         | 778          | rVB      | 319            | 470           | 0.00%           | 0.000%        |
| 22        | 6.897       | 812           | 819         | 830          | rBV3     | 5268           | 15133         | 0.02%           | 0.014%        |
| 23        | 7.080       | 840           | 849         | 858          | rBV      | 51948          | 157927        | 0.16%           | 0.143%        |
| 24        | 7.256       | 874           | 878         | 887          | rVB4     | 3134           | 7393          | 0.01%           | 0.007%        |
| 25        | 7.537       | 919           | 924         | 927          | rBV5     | 792            | 1442          | 0.00%           | 0.001%        |
| 26        | 7.647       | 932           | 942         | 958          | rBV      | 262693         | 651574        | 0.66%           | 0.590%        |
| 27        | 7.951       | 985           | 992         | 998          | rBV5     | 1159           | 2423          | 0.00%           | 0.002%        |
| 28        | 8.159       | 1021          | 1026        | 1029         | rBV3     | 599            | 928           | 0.00%           | 0.001%        |
| 29        | 8.281       | 1035          | 1046        | 1062         | rBV2     | 427737         | 1368173       | 1.39%           | 1.240%        |
| 30        | 8.555       | 1081          | 1091        | 1099         | rBV4     | 2694           | 7737          | 0.01%           | 0.007%        |
| 31        | 8.707       | 1108          | 1116        | 1125         | rVB6     | 4503           | 11025         | 0.01%           | 0.010%        |
| 32        | 8.841       | 1129          | 1138        | 1154         | rBV      | 695050         | 1389191       | 1.41%           | 1.259%        |
| 33        | 9.091       | 1171          | 1179        | 1188         | rVB4     | 19680          | 41119         | 0.04%           | 0.037%        |
| 34        | 9.274       | 1200          | 1209        | 1220         | rBV      | 362427         | 724502        | 0.74%           | 0.656%        |
| 35        | 9.415       | 1226          | 1232        | 1241         | rVB      | 6280           | 13497         | 0.01%           | 0.012%        |
| 36        | 9.665       | 1264          | 1273        | 1278         | rBV5     | 2633           | 5976          | 0.01%           | 0.005%        |

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

|    |        |      |      |      |       |          |          |         |         |
|----|--------|------|------|------|-------|----------|----------|---------|---------|
| 37 | 10.036 | 1326 | 1334 | 1346 | rBV   | 178368   | 322708   | 0.33%   | 0.292%  |
| 38 | 10.122 | 1346 | 1348 | 1352 | rBV2  | 1005     | 1307     | 0.00%   | 0.001%  |
| 39 | 10.213 | 1359 | 1363 | 1369 | rVB3  | 1164     | 2097     | 0.00%   | 0.002%  |
| 40 | 10.323 | 1373 | 1381 | 1388 | rBV   | 550965   | 980061   | 1.00%   | 0.888%  |
| 41 | 10.390 | 1388 | 1392 | 1401 | rVB2  | 11697    | 22609    | 0.02%   | 0.020%  |
| 42 | 10.506 | 1404 | 1411 | 1415 | rBV7  | 1220     | 2339     | 0.00%   | 0.002%  |
| 43 | 10.579 | 1416 | 1423 | 1432 | rBV2  | 113262   | 198500   | 0.20%   | 0.180%  |
| 44 | 10.701 | 1438 | 1443 | 1453 | rVB   | 30838    | 57188    | 0.06%   | 0.052%  |
| 45 | 10.866 | 1460 | 1470 | 1478 | rBV2  | 45860901 | 98264812 | 100.00% | 89.029% |
| 46 | 10.926 | 1478 | 1480 | 1499 | rVV   | 224524   | 315873   | 0.32%   | 0.286%  |
| 47 | 11.073 | 1499 | 1504 | 1511 | rVB3  | 10227    | 18349    | 0.02%   | 0.017%  |
| 48 | 11.329 | 1542 | 1546 | 1553 | rVB5  | 1890     | 3927     | 0.00%   | 0.004%  |
| 49 | 11.475 | 1567 | 1570 | 1571 | rBV2  | 835      | 767      | 0.00%   | 0.001%  |
| 50 | 11.518 | 1575 | 1577 | 1581 | rVB4  | 721      | 871      | 0.00%   | 0.001%  |
| 51 | 11.634 | 1588 | 1596 | 1606 | rBV   | 919538   | 1560970  | 1.59%   | 1.414%  |
| 52 | 11.725 | 1609 | 1611 | 1616 | rVB4  | 2190     | 3692     | 0.00%   | 0.003%  |
| 53 | 11.841 | 1624 | 1630 | 1633 | rBV4  | 3434     | 6472     | 0.01%   | 0.006%  |
| 54 | 11.865 | 1633 | 1634 | 1640 | rVB4  | 2921     | 3492     | 0.00%   | 0.003%  |
| 55 | 11.938 | 1643 | 1646 | 1658 | rBV8  | 1566     | 4462     | 0.00%   | 0.004%  |
| 56 | 12.176 | 1677 | 1685 | 1691 | rBV10 | 2127     | 4875     | 0.00%   | 0.004%  |
| 57 | 12.243 | 1694 | 1696 | 1697 | rVV2  | 689      | 592      | 0.00%   | 0.001%  |
| 58 | 12.286 | 1701 | 1703 | 1705 | rVB2  | 590      | 469      | 0.00%   | 0.000%  |
| 59 | 12.341 | 1707 | 1712 | 1718 | rBV2  | 6522     | 11146    | 0.01%   | 0.010%  |
| 60 | 12.463 | 1729 | 1732 | 1735 | rVB3  | 1169     | 1445     | 0.00%   | 0.001%  |
| 61 | 12.609 | 1749 | 1756 | 1761 | rVB   | 41303    | 71091    | 0.07%   | 0.064%  |
| 62 | 12.694 | 1762 | 1770 | 1778 | rBV   | 336883   | 553563   | 0.56%   | 0.502%  |
| 63 | 12.755 | 1778 | 1780 | 1786 | rVB4  | 1290     | 2330     | 0.00%   | 0.002%  |
| 64 | 12.871 | 1795 | 1799 | 1800 | rBV3  | 754      | 790      | 0.00%   | 0.001%  |
| 65 | 12.932 | 1805 | 1809 | 1817 | rVB7  | 2963     | 6758     | 0.01%   | 0.006%  |
| 66 | 13.048 | 1825 | 1828 | 1832 | rBV5  | 717      | 1169     | 0.00%   | 0.001%  |
| 67 | 13.146 | 1840 | 1844 | 1847 | rBV6  | 925      | 1778     | 0.00%   | 0.002%  |
| 68 | 13.194 | 1847 | 1852 | 1856 | rVV3  | 3693     | 6137     | 0.01%   | 0.006%  |
| 69 | 13.274 | 1858 | 1865 | 1873 | rVB6  | 9305     | 22835    | 0.02%   | 0.021%  |
| 70 | 13.402 | 1880 | 1886 | 1891 | rBV4  | 13867    | 25354    | 0.03%   | 0.023%  |
| 71 | 13.463 | 1894 | 1896 | 1897 | rBV2  | 1506     | 1294     | 0.00%   | 0.001%  |
| 72 | 13.560 | 1904 | 1912 | 1925 | rBV   | 889917   | 1488136  | 1.51%   | 1.348%  |
| 73 | 13.761 | 1939 | 1945 | 1950 | rBV6  | 2207     | 4644     | 0.00%   | 0.004%  |
| 74 | 13.853 | 1953 | 1960 | 1968 | rBV   | 601619   | 970996   | 0.99%   | 0.880%  |
| 75 | 14.017 | 1984 | 1987 | 1989 | rBV4  | 1155     | 1124     | 0.00%   | 0.001%  |
| 76 | 14.066 | 1989 | 1995 | 2005 | rVB2  | 16885    | 29458    | 0.03%   | 0.027%  |

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Instrument :  
 MSVOA\_W  
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 GB3G2

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  | 14.139 | 2005 | 2007 | 2011 | rVB4 | 617   | 645   | 0.00% | 0.001% |
| 78  | 14.322 | 2031 | 2037 | 2044 | rBV4 | 11201 | 19695 | 0.02% | 0.018% |
| 79  | 14.456 | 2056 | 2059 | 2062 | rBV4 | 378   | 591   | 0.00% | 0.001% |
| 80  | 14.487 | 2062 | 2064 | 2065 | rVV2 | 689   | 593   | 0.00% | 0.001% |
| 81  | 14.517 | 2067 | 2069 | 2074 | rVV5 | 1908  | 2919  | 0.00% | 0.003% |
| 82  | 14.627 | 2083 | 2087 | 2089 | rBV5 | 1223  | 1605  | 0.00% | 0.001% |
| 83  | 14.725 | 2101 | 2103 | 2106 | rVV4 | 705   | 879   | 0.00% | 0.001% |
| 84  | 14.773 | 2110 | 2111 | 2115 | rVB3 | 782   | 476   | 0.00% | 0.000% |
| 85  | 15.127 | 2165 | 2169 | 2174 | rBV5 | 2780  | 4385  | 0.00% | 0.004% |
| 86  | 15.176 | 2174 | 2177 | 2183 | rVB7 | 4171  | 6987  | 0.01% | 0.006% |
| 87  | 15.255 | 2187 | 2190 | 2194 | rVB3 | 856   | 1167  | 0.00% | 0.001% |
| 88  | 15.316 | 2198 | 2200 | 2201 | rBV2 | 629   | 568   | 0.00% | 0.001% |
| 89  | 15.365 | 2204 | 2208 | 2212 | rVB4 | 958   | 1594  | 0.00% | 0.001% |
| 90  | 15.487 | 2224 | 2228 | 2234 | rVB  | 3199  | 5960  | 0.01% | 0.005% |
| 91  | 15.554 | 2234 | 2239 | 2245 | rBV9 | 1661  | 2756  | 0.00% | 0.002% |
| 92  | 15.627 | 2249 | 2251 | 2253 | rBV3 | 508   | 581   | 0.00% | 0.001% |
| 93  | 15.773 | 2273 | 2275 | 2276 | rVB  | 803   | 544   | 0.00% | 0.000% |
| 94  | 15.791 | 2276 | 2278 | 2279 | rBV  | 803   | 731   | 0.00% | 0.001% |
| 95  | 16.035 | 2315 | 2318 | 2319 | rBV3 | 754   | 831   | 0.00% | 0.001% |
| 96  | 16.090 | 2325 | 2327 | 2330 | rVB3 | 872   | 982   | 0.00% | 0.001% |
| 97  | 16.121 | 2330 | 2332 | 2336 | rVB4 | 587   | 770   | 0.00% | 0.001% |
| 98  | 16.273 | 2353 | 2357 | 2359 | rBV4 | 718   | 1224  | 0.00% | 0.001% |
| 99  | 16.413 | 2378 | 2380 | 2382 | rBV3 | 784   | 471   | 0.00% | 0.000% |
| 100 | 16.602 | 2409 | 2411 | 2413 | rBV2 | 599   | 488   | 0.00% | 0.000% |

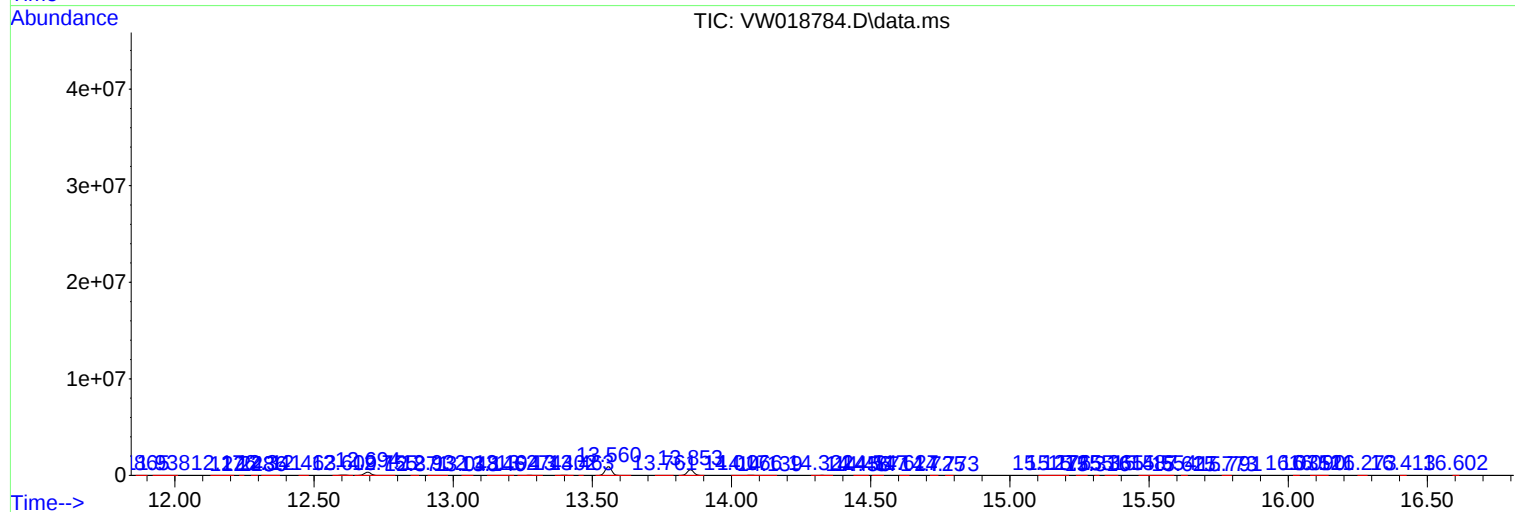
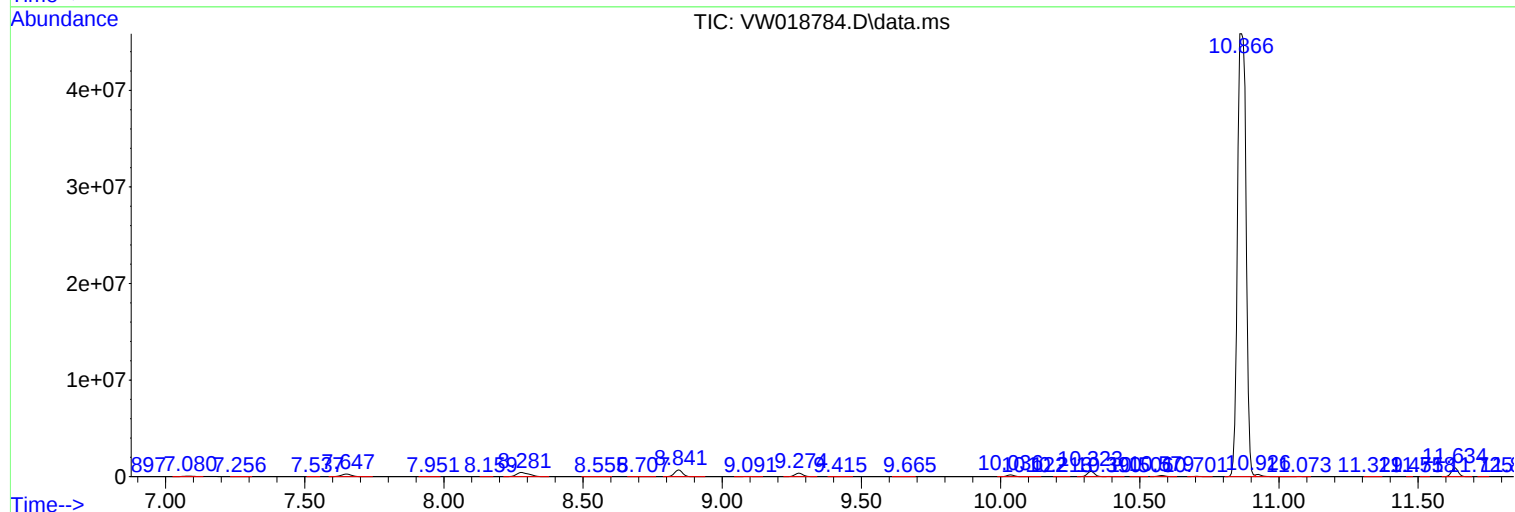
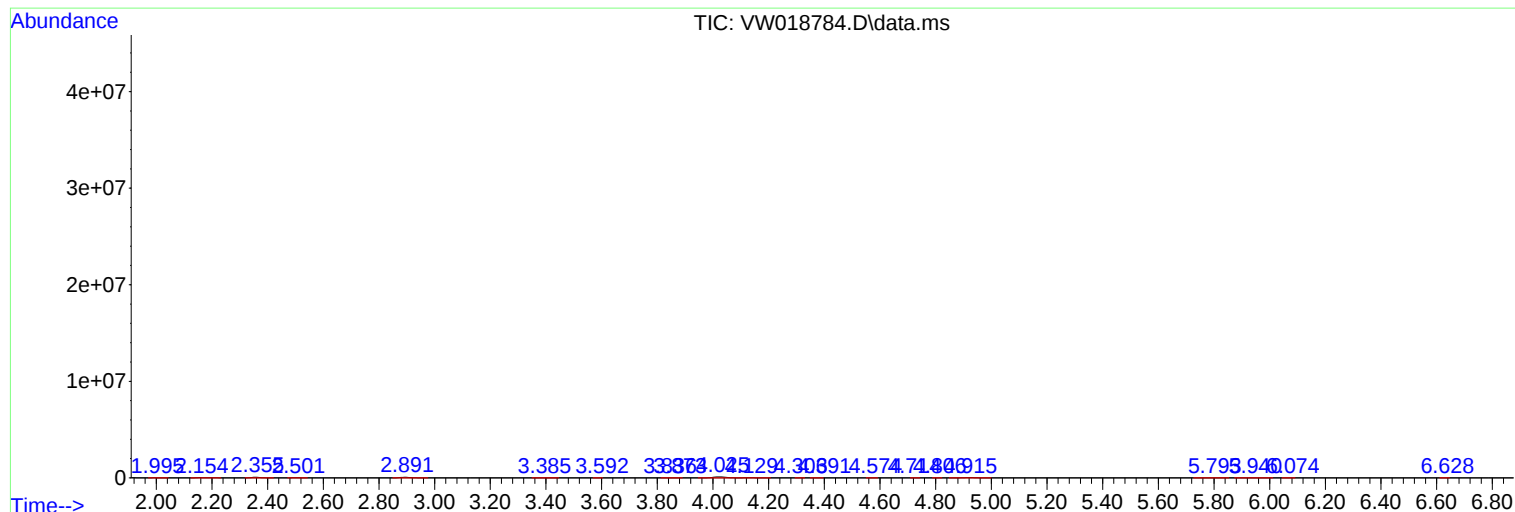
Sum of corrected areas: 110374216

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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\VW042621\  
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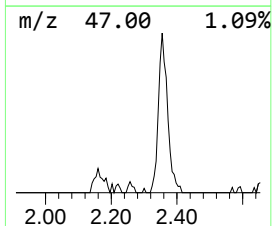
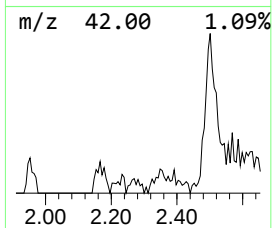
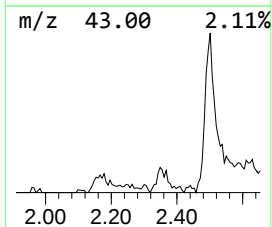
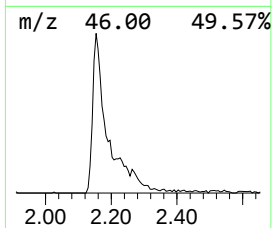
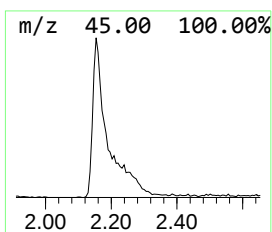
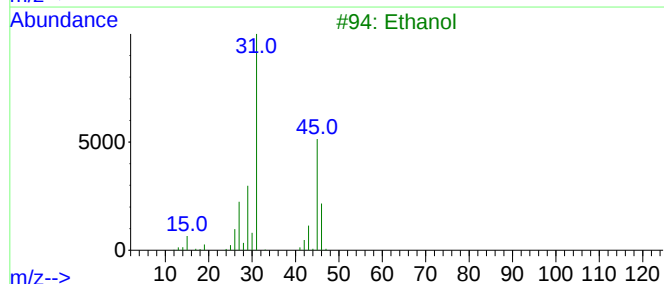
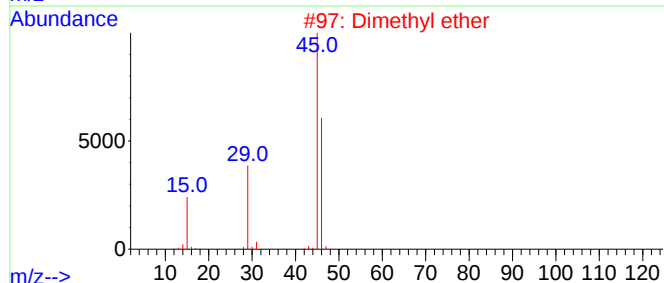
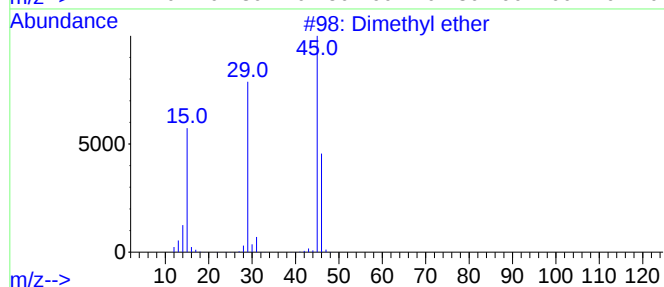
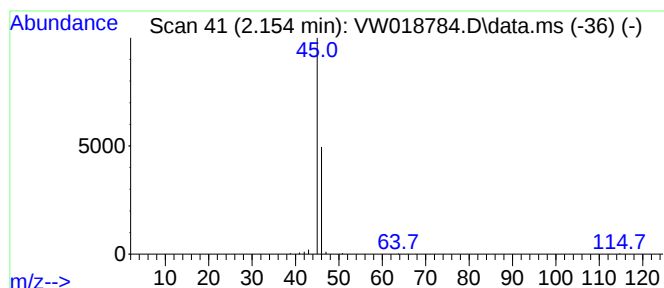
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM041421SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 Dimethyl ether Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.154 | 1.49 ug/L | 82751 | 1,4-Difluorobenzene | 8.841 |

| 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 | 7    |
| 4    |    |   | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |    |   | Formic acid    | 46 | CH2O2   | 000064-18-6 | 5    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Dimethyl ether   | 2.154 | 1.5     | ug/L  | 82751    | 1                     | 8.841 | 1389190 | 25.0 |