

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052522\  
 Data File : VW023318.D  
 Acq On : 25 May 2022 13:59  
 Operator : SY/VA  
 Sample : N2996-16  
 Misc : 5.39g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBGT7

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

Signal : TIC: VW023318.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       | 37            | 41          | 47           | rBV2     | 7782           | 16992         | 1.23%           | 0.146%        |
| 2         | 2.349       | 68            | 73          | 80           | rBV      | 123306         | 193852        | 14.04%          | 1.670%        |
| 3         | 2.495       | 93            | 97          | 102          | rVB      | 36407          | 57778         | 4.18%           | 0.498%        |
| 4         | 2.879       | 156           | 160         | 173          | rVB      | 72261          | 150041        | 10.86%          | 1.293%        |
| 5         | 3.592       | 275           | 277         | 279          | rBV3     | 1075           | 794           | 0.06%           | 0.007%        |
| 6         | 3.714       | 294           | 297         | 299          | rBV4     | 2005           | 2265          | 0.16%           | 0.020%        |
| 7         | 3.794       | 308           | 310         | 311          | rBV      | 1714           | 1021          | 0.07%           | 0.009%        |
| 8         | 3.849       | 317           | 319         | 320          | rBV2     | 1081           | 883           | 0.06%           | 0.008%        |
| 9         | 3.909       | 326           | 329         | 331          | rBV3     | 1511           | 1644          | 0.12%           | 0.014%        |
| 10        | 3.934       | 331           | 333         | 335          | rVV3     | 940            | 931           | 0.07%           | 0.008%        |
| 11        | 4.019       | 335           | 347         | 357          | rVV      | 129364         | 393495        | 28.49%          | 3.390%        |
| 12        | 4.123       | 358           | 364         | 375          | rVB      | 29271          | 82903         | 6.00%           | 0.714%        |
| 13        | 4.220       | 379           | 380         | 381          | rBV      | 1668           | 1049          | 0.08%           | 0.009%        |
| 14        | 4.665       | 450           | 453         | 455          | rBV4     | 949            | 1235          | 0.09%           | 0.011%        |
| 15        | 4.800       | 473           | 475         | 479          | rBV5     | 989            | 747           | 0.05%           | 0.006%        |
| 16        | 4.921       | 485           | 495         | 502          | rBV10    | 4374           | 15607         | 1.13%           | 0.134%        |
| 17        | 5.031       | 510           | 513         | 514          | rBV3     | 1011           | 877           | 0.06%           | 0.008%        |
| 18        | 5.123       | 518           | 528         | 530          | rBV7     | 3824           | 9405          | 0.68%           | 0.081%        |
| 19        | 5.245       | 546           | 548         | 549          | rBV      | 1285           | 1004          | 0.07%           | 0.009%        |
| 20        | 5.379       | 569           | 570         | 573          | rBV3     | 1130           | 1333          | 0.10%           | 0.011%        |
| 21        | 5.501       | 588           | 590         | 592          | rBV3     | 851            | 903           | 0.07%           | 0.008%        |
| 22        | 5.568       | 599           | 601         | 602          | rBV2     | 843            | 860           | 0.06%           | 0.007%        |
| 23        | 5.647       | 610           | 614         | 615          | rBV3     | 943            | 1285          | 0.09%           | 0.011%        |
| 24        | 5.720       | 624           | 626         | 627          | rVB2     | 1016           | 740           | 0.05%           | 0.006%        |
| 25        | 5.732       | 627           | 628         | 630          | rBV      | 1117           | 1014          | 0.07%           | 0.009%        |
| 26        | 5.781       | 632           | 636         | 637          | rBV2     | 1970           | 2912          | 0.21%           | 0.025%        |
| 27        | 5.940       | 657           | 662         | 664          | rBV6     | 2005           | 4317          | 0.31%           | 0.037%        |
| 28        | 6.043       | 678           | 679         | 682          | rBV2     | 1018           | 960           | 0.07%           | 0.008%        |
| 29        | 6.129       | 691           | 693         | 695          | rVB3     | 1179           | 967           | 0.07%           | 0.008%        |
| 30        | 6.275       | 715           | 717         | 718          | rVV2     | 1151           | 698           | 0.05%           | 0.006%        |
| 31        | 6.311       | 722           | 723         | 725          | rVV2     | 1280           | 748           | 0.05%           | 0.006%        |
| 32        | 6.348       | 727           | 729         | 731          | rBV2     | 1438           | 1541          | 0.11%           | 0.013%        |
| 33        | 6.470       | 746           | 749         | 750          | rBV3     | 1027           | 989           | 0.07%           | 0.009%        |
| 34        | 6.494       | 751           | 753         | 756          | rVB3     | 1377           | 1052          | 0.08%           | 0.009%        |
| 35        | 6.525       | 756           | 758         | 760          | rVB3     | 1471           | 803           | 0.06%           | 0.007%        |
| 36        | 6.555       | 760           | 763         | 764          | rBV2     | 857            | 797           | 0.06%           | 0.007%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 6.799  | 801  | 803  | 808  | rBV5 | 1152   | 1349    | 0.10%   | 0.012%  |
| 38 | 6.897  | 812  | 819  | 821  | rBV3 | 3755   | 6643    | 0.48%   | 0.057%  |
| 39 | 7.080  | 838  | 849  | 857  | rBV  | 55283  | 169279  | 12.26%  | 1.458%  |
| 40 | 7.250  | 872  | 877  | 889  | rVB3 | 12063  | 32130   | 2.33%   | 0.277%  |
| 41 | 7.452  | 907  | 910  | 913  | rVB4 | 1170   | 1500    | 0.11%   | 0.013%  |
| 42 | 7.494  | 913  | 917  | 919  | rBV5 | 1496   | 2172    | 0.16%   | 0.019%  |
| 43 | 7.531  | 921  | 923  | 929  | rVV7 | 1674   | 3037    | 0.22%   | 0.026%  |
| 44 | 7.647  | 933  | 942  | 953  | rVB  | 258454 | 626592  | 45.37%  | 5.398%  |
| 45 | 7.787  | 964  | 965  | 970  | rBV4 | 1247   | 1474    | 0.11%   | 0.013%  |
| 46 | 7.958  | 992  | 993  | 998  | rVB5 | 2368   | 2763    | 0.20%   | 0.024%  |
| 47 | 8.018  | 1001 | 1003 | 1004 | rBV2 | 1279   | 875     | 0.06%   | 0.008%  |
| 48 | 8.073  | 1008 | 1012 | 1015 | rBV5 | 1796   | 3076    | 0.22%   | 0.026%  |
| 49 | 8.098  | 1015 | 1016 | 1020 | rVB3 | 1170   | 1146    | 0.08%   | 0.010%  |
| 50 | 8.275  | 1036 | 1045 | 1061 | rVV2 | 447945 | 1381041 | 100.00% | 11.897% |
| 51 | 8.707  | 1110 | 1116 | 1122 | rBV4 | 3557   | 8691    | 0.63%   | 0.075%  |
| 52 | 8.842  | 1129 | 1138 | 1149 | rBV  | 455559 | 909190  | 65.83%  | 7.832%  |
| 53 | 9.000  | 1162 | 1164 | 1166 | rBV2 | 1034   | 1070    | 0.08%   | 0.009%  |
| 54 | 9.274  | 1200 | 1209 | 1224 | rVV  | 333018 | 673717  | 48.78%  | 5.804%  |
| 55 | 9.415  | 1228 | 1232 | 1240 | rVB6 | 5727   | 13302   | 0.96%   | 0.115%  |
| 56 | 9.658  | 1270 | 1272 | 1278 | rVB6 | 2084   | 3552    | 0.26%   | 0.031%  |
| 57 | 9.756  | 1286 | 1288 | 1289 | rBV2 | 1087   | 793     | 0.06%   | 0.007%  |
| 58 | 9.835  | 1297 | 1301 | 1302 | rBV4 | 930    | 1054    | 0.08%   | 0.009%  |
| 59 | 9.878  | 1306 | 1308 | 1311 | rBV3 | 1356   | 1675    | 0.12%   | 0.014%  |
| 60 | 9.963  | 1318 | 1322 | 1323 | rBV3 | 839    | 1093    | 0.08%   | 0.009%  |
| 61 | 10.036 | 1327 | 1334 | 1343 | rBV  | 173581 | 319283  | 23.12%  | 2.750%  |
| 62 | 10.207 | 1359 | 1362 | 1364 | rBV4 | 1280   | 1335    | 0.10%   | 0.012%  |
| 63 | 10.323 | 1373 | 1381 | 1388 | rBV  | 660510 | 1149447 | 83.23%  | 9.902%  |
| 64 | 10.457 | 1401 | 1403 | 1405 | rBV3 | 1880   | 1001    | 0.07%   | 0.009%  |
| 65 | 10.579 | 1417 | 1423 | 1430 | rBV  | 116044 | 201979  | 14.63%  | 1.740%  |
| 66 | 10.701 | 1437 | 1443 | 1457 | rVB  | 35399  | 66159   | 4.79%   | 0.570%  |
| 67 | 10.841 | 1464 | 1466 | 1467 | rBV2 | 1397   | 918     | 0.07%   | 0.008%  |
| 68 | 10.920 | 1473 | 1479 | 1492 | rBV  | 225028 | 396515  | 28.71%  | 3.416%  |
| 69 | 11.036 | 1496 | 1498 | 1499 | rVV2 | 2307   | 1818    | 0.13%   | 0.016%  |
| 70 | 11.067 | 1499 | 1503 | 1510 | rVB5 | 10597  | 19751   | 1.43%   | 0.170%  |
| 71 | 11.286 | 1537 | 1539 | 1542 | rVB4 | 1362   | 1043    | 0.08%   | 0.009%  |
| 72 | 11.365 | 1551 | 1552 | 1555 | rBV3 | 1526   | 1889    | 0.14%   | 0.016%  |
| 73 | 11.554 | 1581 | 1583 | 1587 | rBV4 | 1392   | 2315    | 0.17%   | 0.020%  |
| 74 | 11.628 | 1588 | 1595 | 1604 | rVV  | 664346 | 1160486 | 84.03%  | 9.997%  |
| 75 | 11.786 | 1619 | 1621 | 1623 | rBV3 | 987    | 971     | 0.07%   | 0.008%  |
| 76 | 11.981 | 1652 | 1653 | 1656 | rBV2 | 1484   | 966     | 0.07%   | 0.008%  |

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Instrument :  
 MSVOA\_W  
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 GBGT7

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\SFAMWLM050222SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 77  | 12.091 | 1667 | 1671 | 1677 | rBV4 | 2543   | 4266    | 0.31%  | 0.037%  |
| 78  | 12.140 | 1677 | 1679 | 1680 | rBV2 | 1294   | 807     | 0.06%  | 0.007%  |
| 79  | 12.304 | 1704 | 1706 | 1707 | rBV2 | 1216   | 798     | 0.06%  | 0.007%  |
| 80  | 12.335 | 1707 | 1711 | 1717 | rVV6 | 6026   | 11097   | 0.80%  | 0.096%  |
| 81  | 12.463 | 1728 | 1732 | 1737 | rVB6 | 2872   | 4348    | 0.31%  | 0.037%  |
| 82  | 12.603 | 1749 | 1755 | 1762 | rVB2 | 253343 | 410073  | 29.69% | 3.533%  |
| 83  | 12.688 | 1763 | 1769 | 1777 | rVB  | 344374 | 565001  | 40.91% | 4.867%  |
| 84  | 12.890 | 1799 | 1802 | 1804 | rBV3 | 1814   | 2295    | 0.17%  | 0.020%  |
| 85  | 12.932 | 1806 | 1809 | 1819 | rVB7 | 6659   | 14462   | 1.05%  | 0.125%  |
| 86  | 13.554 | 1905 | 1911 | 1920 | rVB  | 787024 | 1251405 | 90.61% | 10.780% |
| 87  | 13.847 | 1953 | 1959 | 1967 | rBV  | 648260 | 1095747 | 79.34% | 9.439%  |
| 88  | 14.066 | 1991 | 1995 | 2002 | rVB2 | 43178  | 71683   | 5.19%  | 0.618%  |
| 89  | 14.188 | 2011 | 2015 | 2023 | rBV9 | 6241   | 15140   | 1.10%  | 0.130%  |
| 90  | 14.615 | 2080 | 2085 | 2092 | rBV7 | 5266   | 12122   | 0.88%  | 0.104%  |
| 91  | 14.761 | 2107 | 2109 | 2110 | rBV2 | 1281   | 832     | 0.06%  | 0.007%  |
| 92  | 14.877 | 2127 | 2128 | 2132 | rVB4 | 1462   | 1531    | 0.11%  | 0.013%  |
| 93  | 15.048 | 2155 | 2156 | 2159 | rBV3 | 1428   | 1178    | 0.09%  | 0.010%  |
| 94  | 15.127 | 2166 | 2169 | 2174 | rBV6 | 3615   | 5993    | 0.43%  | 0.052%  |
| 95  | 15.292 | 2194 | 2196 | 2197 | rBV  | 1397   | 702     | 0.05%  | 0.006%  |
| 96  | 15.359 | 2203 | 2207 | 2209 | rBV3 | 3496   | 5263    | 0.38%  | 0.045%  |
| 97  | 15.682 | 2258 | 2260 | 2261 | rBV  | 929    | 867     | 0.06%  | 0.007%  |
| 98  | 15.798 | 2275 | 2279 | 2282 | rBV6 | 2159   | 3449    | 0.25%  | 0.030%  |
| 99  | 16.237 | 2348 | 2351 | 2352 | rBV3 | 1118   | 1151    | 0.08%  | 0.010%  |
| 100 | 16.694 | 2424 | 2426 | 2428 | rVB2 | 1345   | 756     | 0.05%  | 0.007%  |

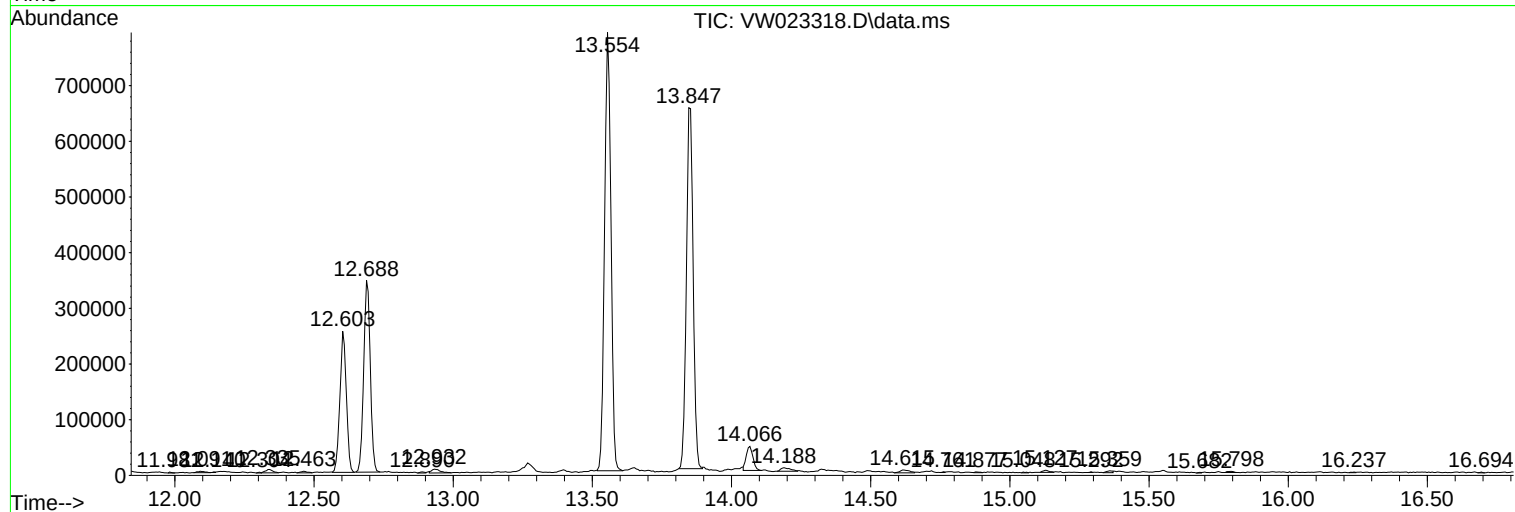
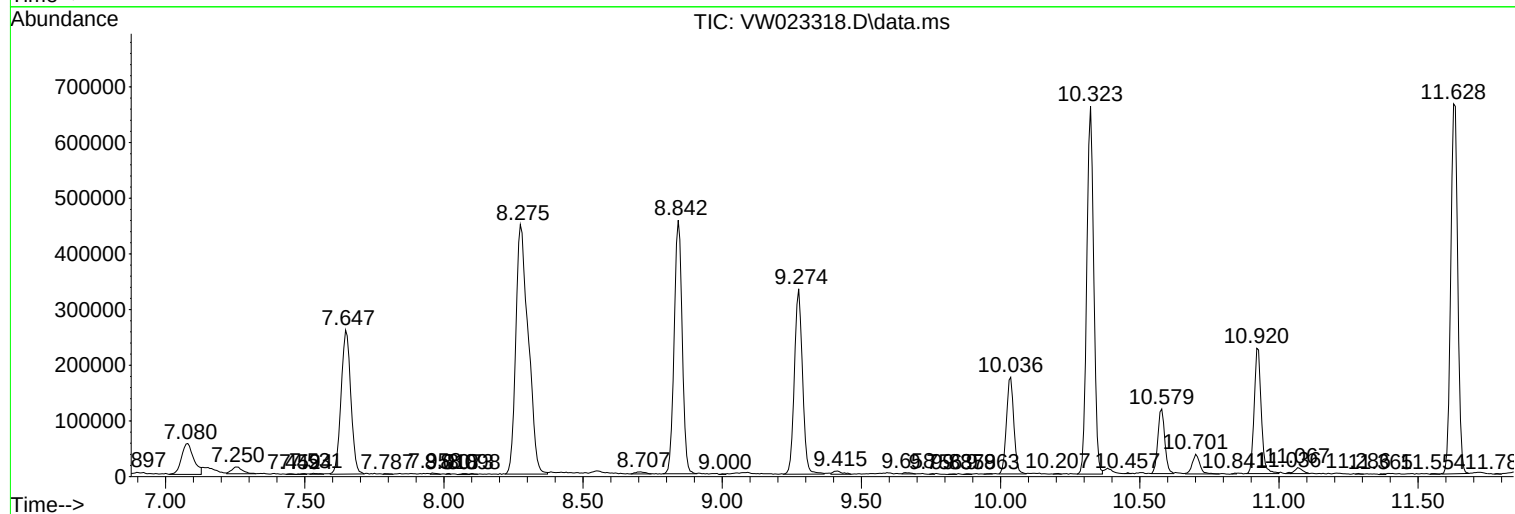
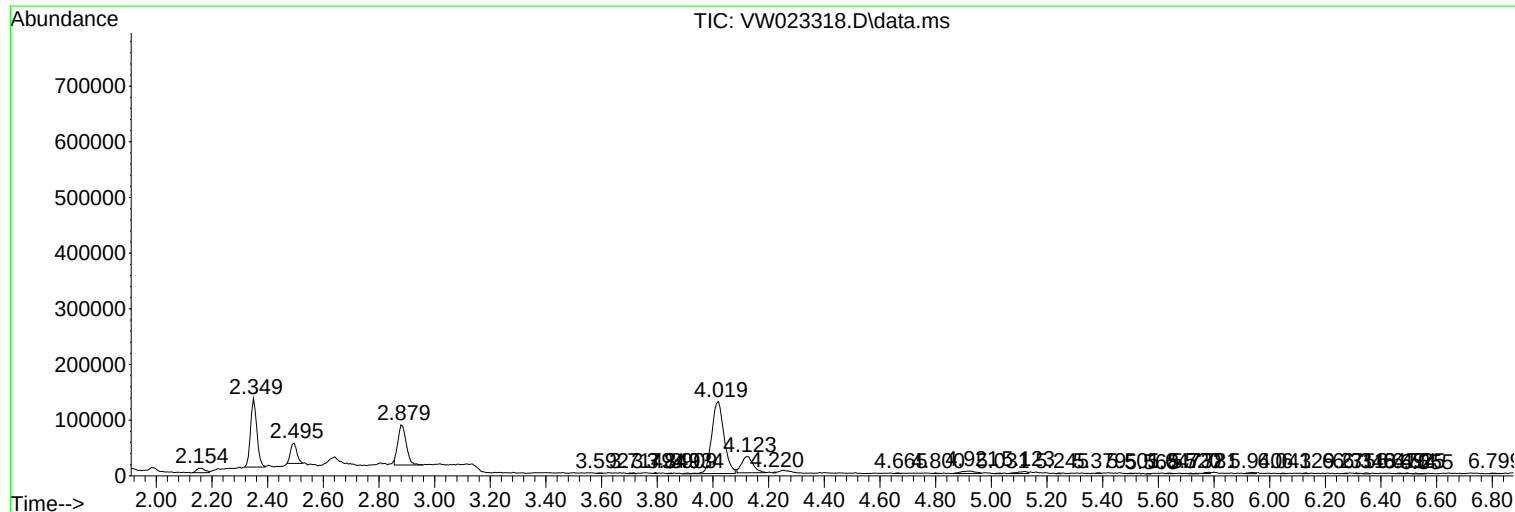
Sum of corrected areas: 11608498

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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



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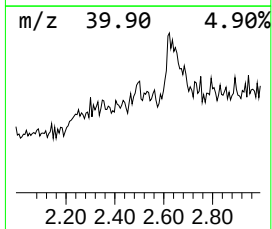
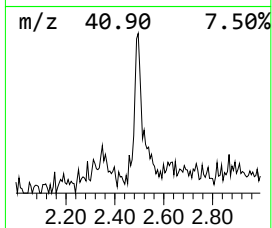
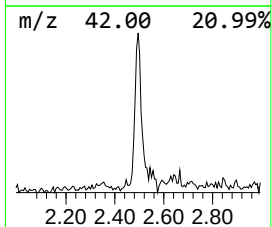
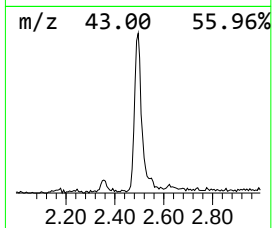
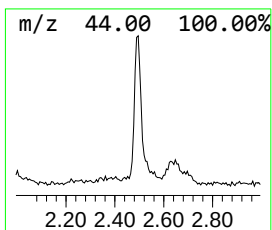
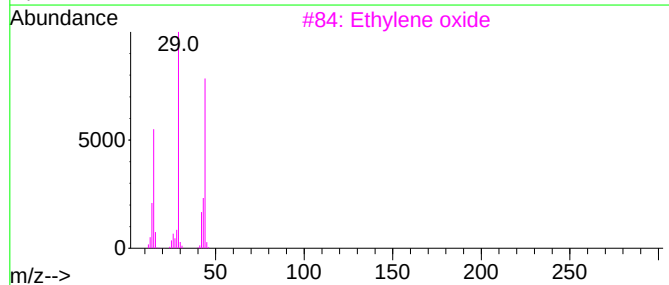
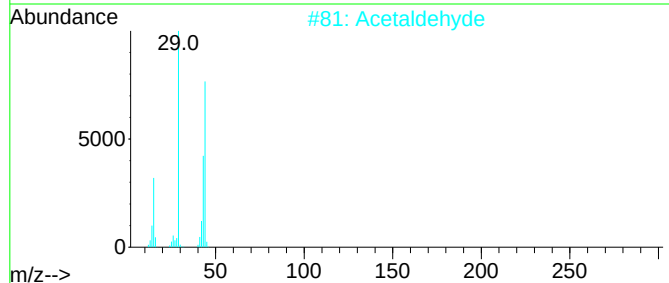
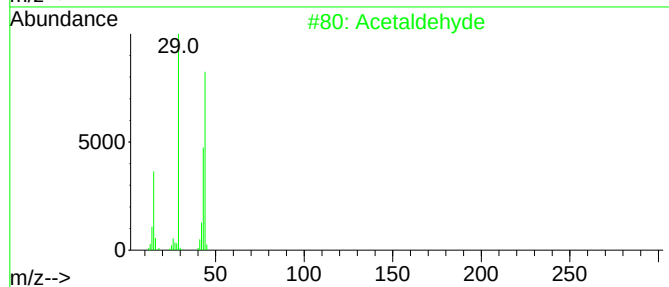
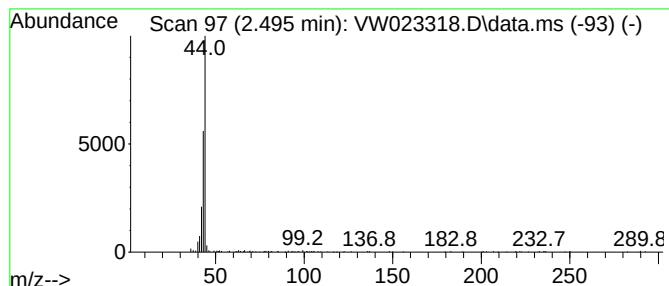
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Acetaldehyde Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.495 | 1.59 ug/L | 57778 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 50   |
| 2    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 50   |
| 3    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 9    |
| 4    |    |   | 2-Propanamine  | 59 | C3H9N   | 000075-31-0 | 9    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 7    |



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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 |
| Acetaldehyde     | 2.495 | 1.6     | ug/L  | 57778    | 1                     | 8.842 | 909190 | 25.0 |