

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032023\  
 Data File : VD075517.D  
 Acq On : 20 Mar 2023 14:59  
 Operator : KP/SY  
 Sample : 01980-06  
 Misc : 7.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EYGC6

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\SFAMDLM030123SMA.M  
 Title : SFAM01.0

Signal : TIC: VD075517.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         | 1.669       | 11            | 14          | 15           | rBV      | 866            | 922           | 0.09%           | 0.013%        |
| 2         | 1.734       | 15            | 25          | 39           | rVV      | 519987         | 1009171       | 100.00%         | 14.567%       |
| 3         | 2.146       | 91            | 95          | 96           | rBV2     | 2779           | 3262          | 0.32%           | 0.047%        |
| 4         | 2.275       | 112           | 117         | 127          | rVB      | 110119         | 162377        | 16.09%          | 2.344%        |
| 5         | 2.422       | 138           | 142         | 150          | rVB      | 28774          | 49137         | 4.87%           | 0.709%        |
| 6         | 2.805       | 201           | 207         | 217          | rVB      | 98396          | 184354        | 18.27%          | 2.661%        |
| 7         | 3.328       | 294           | 296         | 298          | rBV2     | 823            | 492           | 0.05%           | 0.007%        |
| 8         | 3.399       | 307           | 308         | 309          | rBV      | 837            | 428           | 0.04%           | 0.006%        |
| 9         | 3.452       | 314           | 317         | 322          | rBV3     | 538            | 1329          | 0.13%           | 0.019%        |
| 10        | 3.922       | 387           | 397         | 407          | rBV      | 85726          | 219341        | 21.73%          | 3.166%        |
| 11        | 4.016       | 407           | 413         | 425          | rVB2     | 21999          | 58793         | 5.83%           | 0.849%        |
| 12        | 4.134       | 431           | 433         | 434          | rBV      | 687            | 603           | 0.06%           | 0.009%        |
| 13        | 4.263       | 454           | 455         | 458          | rBV2     | 783            | 751           | 0.07%           | 0.011%        |
| 14        | 4.393       | 476           | 477         | 479          | rBV      | 527            | 391           | 0.04%           | 0.006%        |
| 15        | 4.428       | 482           | 483         | 486          | rVB      | 454            | 388           | 0.04%           | 0.006%        |
| 16        | 4.805       | 538           | 547         | 560          | rVB2     | 13629          | 43531         | 4.31%           | 0.628%        |
| 17        | 4.893       | 560           | 562         | 564          | rBV      | 593            | 391           | 0.04%           | 0.006%        |
| 18        | 4.957       | 571           | 573         | 574          | rBV      | 397            | 327           | 0.03%           | 0.005%        |
| 19        | 5.010       | 580           | 582         | 583          | rBV2     | 448            | 339           | 0.03%           | 0.005%        |
| 20        | 5.216       | 615           | 617         | 618          | rBV      | 315            | 302           | 0.03%           | 0.004%        |
| 21        | 5.346       | 637           | 639         | 641          | rVB      | 703            | 469           | 0.05%           | 0.007%        |
| 22        | 5.369       | 641           | 643         | 645          | rBV      | 522            | 380           | 0.04%           | 0.005%        |
| 23        | 5.416       | 648           | 651         | 653          | rVV2     | 578            | 423           | 0.04%           | 0.006%        |
| 24        | 5.463       | 657           | 659         | 661          | rVB      | 748            | 493           | 0.05%           | 0.007%        |
| 25        | 5.593       | 678           | 681         | 682          | rBV2     | 474            | 607           | 0.06%           | 0.009%        |
| 26        | 5.675       | 693           | 695         | 696          | rBV      | 1196           | 950           | 0.09%           | 0.014%        |
| 27        | 5.828       | 719           | 721         | 722          | rBV2     | 929            | 725           | 0.07%           | 0.010%        |
| 28        | 6.081       | 762           | 764         | 767          | rVV      | 715            | 652           | 0.06%           | 0.009%        |
| 29        | 6.104       | 767           | 768         | 769          | rVV      | 644            | 300           | 0.03%           | 0.004%        |
| 30        | 6.269       | 792           | 796         | 797          | rVV2     | 635            | 698           | 0.07%           | 0.010%        |
| 31        | 6.287       | 797           | 799         | 800          | rVB      | 951            | 520           | 0.05%           | 0.008%        |
| 32        | 6.316       | 800           | 804         | 805          | rBV2     | 722            | 970           | 0.10%           | 0.014%        |
| 33        | 6.375       | 811           | 814         | 815          | rBV2     | 623            | 732           | 0.07%           | 0.011%        |
| 34        | 6.416       | 820           | 821         | 823          | rVV      | 584            | 366           | 0.04%           | 0.005%        |
| 35        | 6.475       | 829           | 831         | 834          | rVB2     | 635            | 468           | 0.05%           | 0.007%        |
| 36        | 6.563       | 844           | 846         | 847          | rBV      | 445            | 334           | 0.03%           | 0.005%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 6.804  | 881  | 887  | 888  | rVV3 | 1456   | 2026   | 0.20%  | 0.029%  |
| 38 | 6.987  | 908  | 918  | 929  | rBV2 | 21188  | 64484  | 6.39%  | 0.931%  |
| 39 | 7.063  | 929  | 931  | 932  | rBV  | 1740   | 1326   | 0.13%  | 0.019%  |
| 40 | 7.234  | 956  | 960  | 963  | rVB2 | 569    | 928    | 0.09%  | 0.013%  |
| 41 | 7.257  | 963  | 964  | 969  | rBV2 | 594    | 838    | 0.08%  | 0.012%  |
| 42 | 7.357  | 979  | 981  | 984  | rVB  | 635    | 468    | 0.05%  | 0.007%  |
| 43 | 7.487  | 1001 | 1003 | 1004 | rBV  | 659    | 391    | 0.04%  | 0.006%  |
| 44 | 7.504  | 1004 | 1006 | 1007 | rVV  | 612    | 315    | 0.03%  | 0.005%  |
| 45 | 7.569  | 1007 | 1017 | 1032 | rVV  | 139225 | 345342 | 34.22% | 4.985%  |
| 46 | 7.704  | 1038 | 1040 | 1042 | rBV2 | 558    | 419    | 0.04%  | 0.006%  |
| 47 | 8.098  | 1105 | 1107 | 1108 | rBV  | 549    | 372    | 0.04%  | 0.005%  |
| 48 | 8.134  | 1110 | 1113 | 1115 | rBV  | 306    | 325    | 0.03%  | 0.005%  |
| 49 | 8.204  | 1115 | 1125 | 1140 | rBV2 | 237101 | 709178 | 70.27% | 10.237% |
| 50 | 8.481  | 1167 | 1172 | 1175 | rBV3 | 1568   | 2420   | 0.24%  | 0.035%  |
| 51 | 8.563  | 1184 | 1186 | 1187 | rBV2 | 659    | 546    | 0.05%  | 0.008%  |
| 52 | 8.634  | 1192 | 1198 | 1199 | rBV2 | 953    | 1728   | 0.17%  | 0.025%  |
| 53 | 8.781  | 1214 | 1223 | 1233 | rBV  | 271887 | 553094 | 54.81% | 7.984%  |
| 54 | 9.098  | 1276 | 1277 | 1279 | rVB  | 1009   | 373    | 0.04%  | 0.005%  |
| 55 | 9.122  | 1279 | 1281 | 1285 | rBV2 | 670    | 812    | 0.08%  | 0.012%  |
| 56 | 9.210  | 1288 | 1296 | 1307 | rBV2 | 171615 | 352953 | 34.97% | 5.095%  |
| 57 | 9.351  | 1317 | 1320 | 1324 | rVB4 | 2384   | 3110   | 0.31%  | 0.045%  |
| 58 | 9.604  | 1360 | 1363 | 1364 | rBV  | 991    | 842    | 0.08%  | 0.012%  |
| 59 | 9.681  | 1375 | 1376 | 1380 | rBV2 | 640    | 812    | 0.08%  | 0.012%  |
| 60 | 9.757  | 1387 | 1389 | 1391 | rBV2 | 417    | 425    | 0.04%  | 0.006%  |
| 61 | 9.828  | 1398 | 1401 | 1402 | rBV2 | 571    | 510    | 0.05%  | 0.007%  |
| 62 | 9.887  | 1410 | 1411 | 1416 | rBV2 | 673    | 785    | 0.08%  | 0.011%  |
| 63 | 9.981  | 1420 | 1427 | 1435 | rBV  | 94754  | 167101 | 16.56% | 2.412%  |
| 64 | 10.169 | 1453 | 1459 | 1462 | rBV3 | 1115   | 2075   | 0.21%  | 0.030%  |
| 65 | 10.269 | 1469 | 1476 | 1491 | rBV  | 321423 | 578837 | 57.36% | 8.355%  |
| 66 | 10.528 | 1513 | 1520 | 1527 | rVB2 | 64580  | 109778 | 10.88% | 1.585%  |
| 67 | 10.610 | 1532 | 1534 | 1537 | rBV2 | 916    | 967    | 0.10%  | 0.014%  |
| 68 | 10.669 | 1537 | 1544 | 1552 | rVB  | 12883  | 21763  | 2.16%  | 0.314%  |
| 69 | 10.757 | 1558 | 1559 | 1562 | rVB2 | 714    | 471    | 0.05%  | 0.007%  |
| 70 | 10.881 | 1573 | 1580 | 1592 | rBV  | 93783  | 166008 | 16.45% | 2.396%  |
| 71 | 11.028 | 1600 | 1605 | 1610 | rVB5 | 6310   | 10414  | 1.03%  | 0.150%  |
| 72 | 11.075 | 1612 | 1613 | 1616 | rBV2 | 654    | 566    | 0.06%  | 0.008%  |
| 73 | 11.357 | 1658 | 1661 | 1662 | rBV2 | 1040   | 1004   | 0.10%  | 0.014%  |
| 74 | 11.522 | 1685 | 1689 | 1691 | rVB2 | 563    | 646    | 0.06%  | 0.009%  |
| 75 | 11.581 | 1691 | 1699 | 1707 | rBV  | 376115 | 657474 | 65.15% | 9.491%  |
| 76 | 11.745 | 1726 | 1727 | 1728 | rBV  | 1164   | 550    | 0.05%  | 0.008%  |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EYGC6

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\SFAMDLM030123SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.116 | 1788 | 1790 | 1792 | rVB  | 909    | 493    | 0.05%  | 0.007% |
| 78  | 12.198 | 1801 | 1804 | 1806 | rBV2 | 1136   | 990    | 0.10%  | 0.014% |
| 79  | 12.298 | 1818 | 1821 | 1825 | rVB4 | 1979   | 2775   | 0.27%  | 0.040% |
| 80  | 12.334 | 1825 | 1827 | 1829 | rVB  | 490    | 336    | 0.03%  | 0.005% |
| 81  | 12.581 | 1863 | 1869 | 1875 | rVV2 | 20177  | 32914  | 3.26%  | 0.475% |
| 82  | 12.651 | 1875 | 1881 | 1890 | rVB  | 191251 | 314483 | 31.16% | 4.540% |
| 83  | 12.728 | 1892 | 1894 | 1895 | rVB  | 765    | 321    | 0.03%  | 0.005% |
| 84  | 12.781 | 1902 | 1903 | 1905 | rBV  | 616    | 357    | 0.04%  | 0.005% |
| 85  | 13.122 | 1959 | 1961 | 1962 | rBV  | 640    | 314    | 0.03%  | 0.005% |
| 86  | 13.139 | 1962 | 1964 | 1966 | rVV2 | 485    | 381    | 0.04%  | 0.005% |
| 87  | 13.234 | 1973 | 1980 | 1986 | rVB4 | 8331   | 15536  | 1.54%  | 0.224% |
| 88  | 13.363 | 1998 | 2002 | 2007 | rVV4 | 3510   | 5080   | 0.50%  | 0.073% |
| 89  | 13.522 | 2021 | 2029 | 2036 | rBV  | 332444 | 540092 | 53.52% | 7.796% |
| 90  | 13.616 | 2042 | 2045 | 2051 | rVB5 | 3015   | 4236   | 0.42%  | 0.061% |
| 91  | 13.816 | 2072 | 2079 | 2087 | rVB  | 296080 | 487104 | 48.27% | 7.031% |
| 92  | 13.963 | 2102 | 2104 | 2105 | rBV2 | 659    | 452    | 0.04%  | 0.007% |
| 93  | 14.051 | 2116 | 2119 | 2124 | rVB2 | 5501   | 7198   | 0.71%  | 0.104% |
| 94  | 14.128 | 2131 | 2132 | 2133 | rVB  | 892    | 315    | 0.03%  | 0.005% |
| 95  | 14.145 | 2133 | 2135 | 2136 | rBV  | 548    | 352    | 0.03%  | 0.005% |
| 96  | 14.304 | 2158 | 2162 | 2164 | rVB2 | 2873   | 3365   | 0.33%  | 0.049% |
| 97  | 14.416 | 2180 | 2181 | 2185 | rBV2 | 596    | 623    | 0.06%  | 0.009% |
| 98  | 14.445 | 2185 | 2186 | 2188 | rBV  | 627    | 359    | 0.04%  | 0.005% |
| 99  | 14.875 | 2258 | 2259 | 2260 | rBV  | 1053   | 533    | 0.05%  | 0.008% |
| 100 | 16.539 | 2541 | 2542 | 2546 | rBV  | 973    | 893    | 0.09%  | 0.013% |

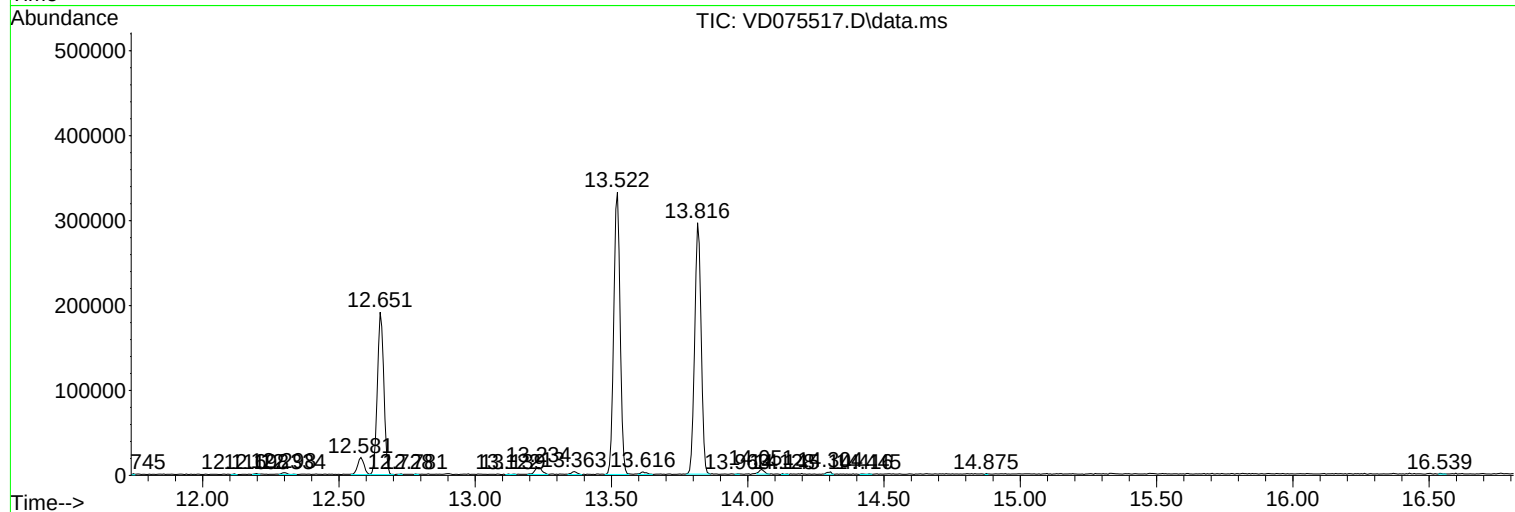
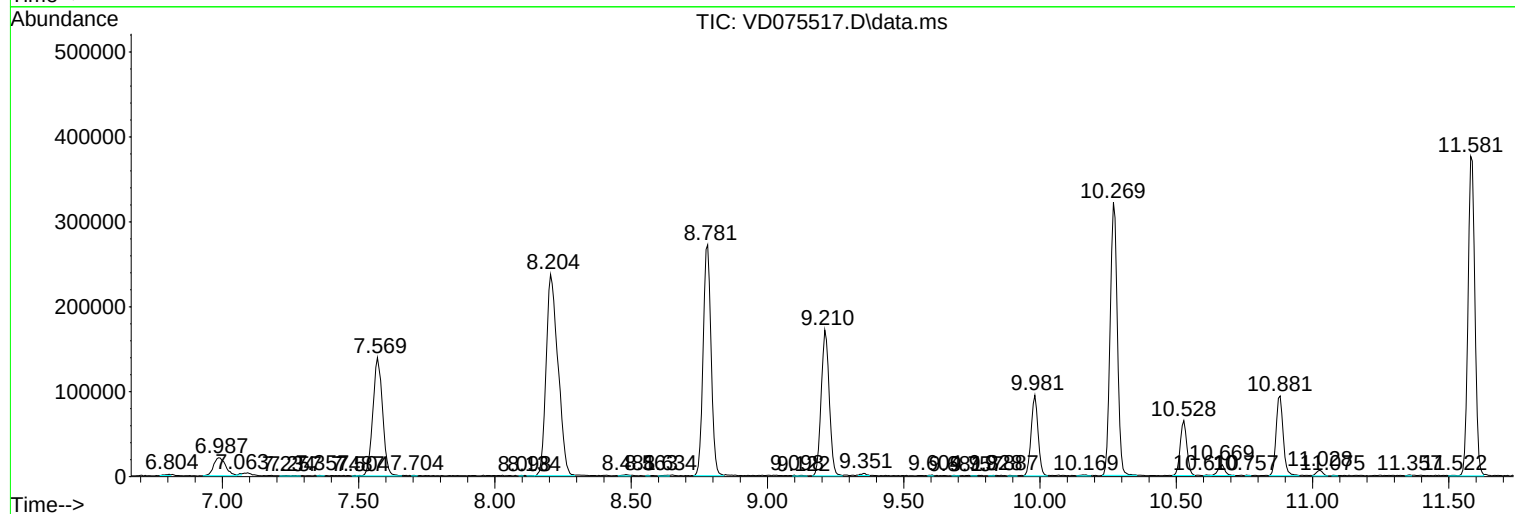
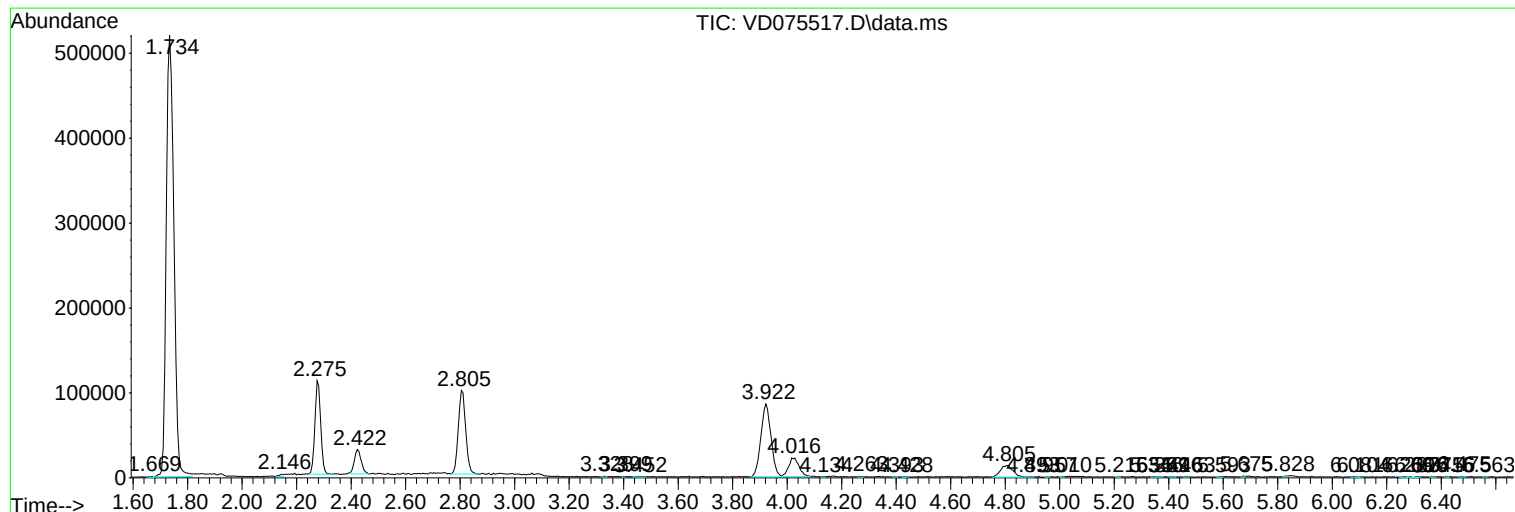
Sum of corrected areas: 6927694

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032023\  
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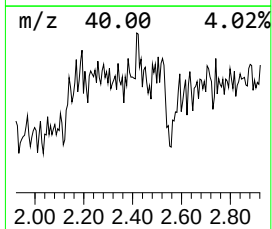
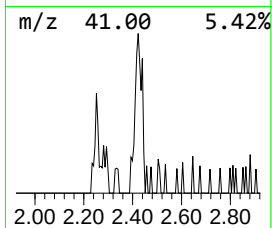
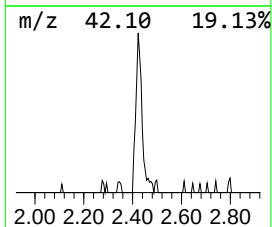
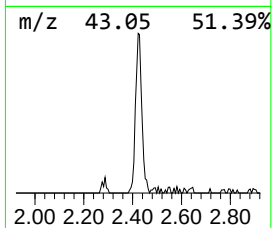
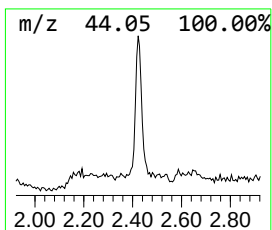
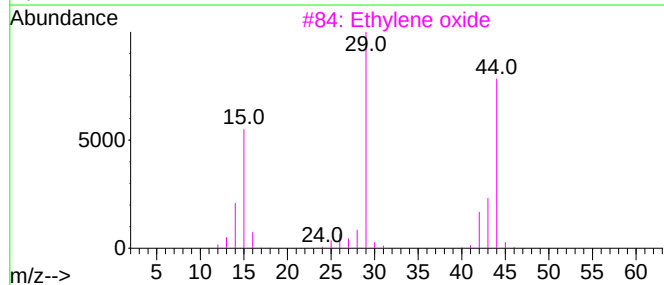
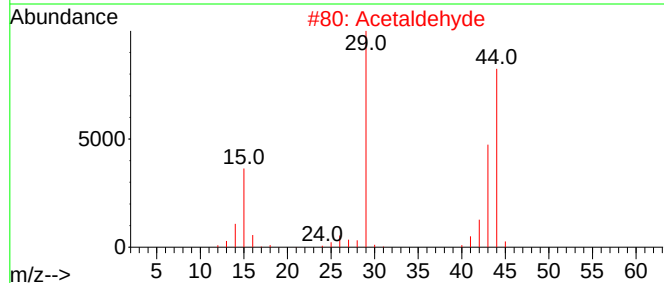
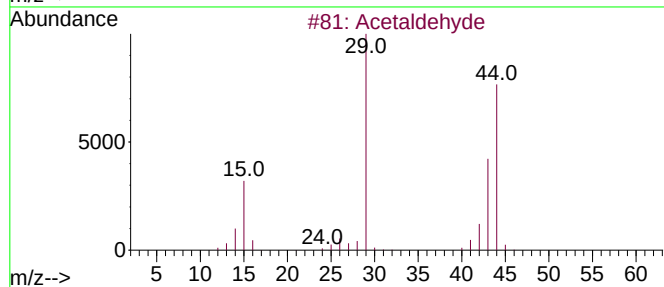
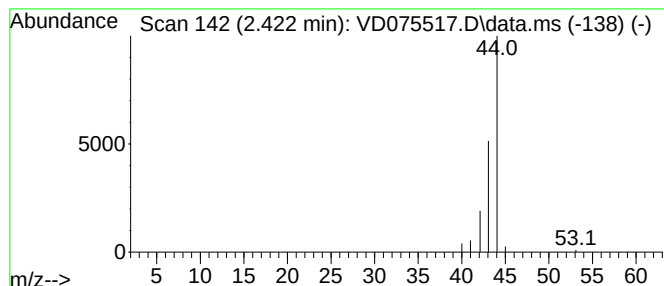
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.422 | 2.22 ug/L | 49137 | 1,4-Difluorobenzene | 8.781 |

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



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 2.422 | 2.2     | ug/L  | 49137    | 1                     | 8.781 | 553094 | 25.0 |