

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052022\  
 Data File : VW023195.D  
 Acq On : 20 May 2022 13:45  
 Operator : SY/VA  
 Sample : N2925-01  
 Misc : 4.65g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EXY03

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: VW023195.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          | 54           | rBV      | 106798         | 239817        | 14.81%          | 2.203%        |
| 2         | 2.349       | 68            | 73          | 82           | rVB      | 182758         | 287717        | 17.77%          | 2.643%        |
| 3         | 2.879       | 155           | 160         | 170          | rVB      | 97485          | 209673        | 12.95%          | 1.926%        |
| 4         | 3.349       | 234           | 237         | 238          | rBV3     | 1447           | 1227          | 0.08%           | 0.011%        |
| 5         | 3.526       | 264           | 266         | 267          | rBV2     | 1510           | 1262          | 0.08%           | 0.012%        |
| 6         | 3.782       | 305           | 308         | 310          | rBV3     | 1106           | 1408          | 0.09%           | 0.013%        |
| 7         | 3.824       | 313           | 315         | 320          | rBV5     | 1429           | 2451          | 0.15%           | 0.023%        |
| 8         | 3.861       | 320           | 321         | 322          | rBV      | 1016           | 552           | 0.03%           | 0.005%        |
| 9         | 4.013       | 335           | 346         | 358          | rBV      | 170226         | 511621        | 31.60%          | 4.700%        |
| 10        | 4.257       | 382           | 386         | 387          | rBV4     | 1314           | 1258          | 0.08%           | 0.012%        |
| 11        | 4.599       | 439           | 442         | 443          | rBV3     | 1169           | 1456          | 0.09%           | 0.013%        |
| 12        | 4.708       | 459           | 460         | 463          | rVB3     | 1299           | 1203          | 0.07%           | 0.011%        |
| 13        | 4.739       | 463           | 465         | 466          | rBV2     | 1183           | 805           | 0.05%           | 0.007%        |
| 14        | 4.775       | 469           | 471         | 472          | rBV2     | 897            | 659           | 0.04%           | 0.006%        |
| 15        | 4.916       | 487           | 494         | 506          | rVB3     | 10291          | 35447         | 2.19%           | 0.326%        |
| 16        | 5.123       | 526           | 528         | 531          | rBV3     | 1013           | 1363          | 0.08%           | 0.013%        |
| 17        | 5.342       | 561           | 564         | 567          | rBV4     | 749            | 1057          | 0.07%           | 0.010%        |
| 18        | 5.367       | 567           | 568         | 570          | rBV2     | 817            | 614           | 0.04%           | 0.006%        |
| 19        | 5.434       | 575           | 579         | 582          | rBV6     | 663            | 1170          | 0.07%           | 0.011%        |
| 20        | 5.623       | 608           | 610         | 611          | rBV2     | 1100           | 746           | 0.05%           | 0.007%        |
| 21        | 5.641       | 611           | 613         | 615          | rVV3     | 1184           | 1238          | 0.08%           | 0.011%        |
| 22        | 5.702       | 621           | 623         | 624          | rVB2     | 1150           | 559           | 0.03%           | 0.005%        |
| 23        | 5.775       | 630           | 635         | 636          | rBV4     | 877            | 1264          | 0.08%           | 0.012%        |
| 24        | 5.879       | 650           | 652         | 653          | rBV2     | 1098           | 814           | 0.05%           | 0.007%        |
| 25        | 6.110       | 689           | 690         | 694          | rVB4     | 951            | 782           | 0.05%           | 0.007%        |
| 26        | 6.159       | 694           | 698         | 700          | rBV3     | 956            | 1100          | 0.07%           | 0.010%        |
| 27        | 6.391       | 734           | 736         | 738          | rVV3     | 860            | 740           | 0.05%           | 0.007%        |
| 28        | 6.434       | 741           | 743         | 744          | rBV      | 1069           | 834           | 0.05%           | 0.008%        |
| 29        | 6.476       | 749           | 750         | 754          | rVB3     | 1454           | 883           | 0.05%           | 0.008%        |
| 30        | 6.525       | 756           | 758         | 759          | rVB2     | 1387           | 829           | 0.05%           | 0.008%        |
| 31        | 6.562       | 762           | 764         | 766          | rVB3     | 910            | 843           | 0.05%           | 0.008%        |
| 32        | 6.586       | 766           | 768         | 769          | rBV2     | 921            | 585           | 0.04%           | 0.005%        |
| 33        | 6.757       | 794           | 796         | 799          | rVB4     | 845            | 1005          | 0.06%           | 0.009%        |
| 34        | 6.787       | 799           | 801         | 804          | rBV4     | 665            | 630           | 0.04%           | 0.006%        |
| 35        | 6.866       | 812           | 814         | 816          | rBV2     | 1065           | 1031          | 0.06%           | 0.009%        |
| 36        | 7.080       | 841           | 849         | 857          | rBV2     | 34627          | 113263        | 7.00%           | 1.040%        |

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 Sample : N2925-01  
 Misc : 4.65g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EXY03

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

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 7.250  | 872  | 877  | 890  | rVB  | 20792  | 55058   | 3.40%   | 0.506%  |
| 38 | 7.494  | 915  | 917  | 919  | rBV2 | 981    | 1076    | 0.07%   | 0.010%  |
| 39 | 7.537  | 921  | 924  | 930  | rVV7 | 3372   | 7440    | 0.46%   | 0.068%  |
| 40 | 7.647  | 933  | 942  | 955  | rVB  | 289961 | 713651  | 44.08%  | 6.556%  |
| 41 | 7.799  | 965  | 967  | 969  | rBV2 | 853    | 828     | 0.05%   | 0.008%  |
| 42 | 7.824  | 969  | 971  | 973  | rVV2 | 1082   | 858     | 0.05%   | 0.008%  |
| 43 | 7.860  | 976  | 977  | 979  | rVB2 | 1244   | 670     | 0.04%   | 0.006%  |
| 44 | 7.891  | 979  | 982  | 983  | rBV3 | 1219   | 1578    | 0.10%   | 0.014%  |
| 45 | 7.976  | 995  | 996  | 1001 | rVB5 | 865    | 1021    | 0.06%   | 0.009%  |
| 46 | 8.275  | 1036 | 1045 | 1063 | rVV2 | 542294 | 1618853 | 100.00% | 14.872% |
| 47 | 8.732  | 1118 | 1120 | 1124 | rBV5 | 723    | 693     | 0.04%   | 0.006%  |
| 48 | 8.842  | 1129 | 1138 | 1151 | rVV  | 481691 | 960376  | 59.32%  | 8.822%  |
| 49 | 9.079  | 1171 | 1177 | 1187 | rVB2 | 9406   | 20556   | 1.27%   | 0.189%  |
| 50 | 9.274  | 1197 | 1209 | 1219 | rBV  | 382152 | 766249  | 47.33%  | 7.039%  |
| 51 | 9.427  | 1229 | 1234 | 1237 | rBV6 | 1389   | 2517    | 0.16%   | 0.023%  |
| 52 | 9.604  | 1261 | 1263 | 1265 | rBV2 | 765    | 673     | 0.04%   | 0.006%  |
| 53 | 9.622  | 1265 | 1266 | 1267 | rBV  | 1050   | 538     | 0.03%   | 0.005%  |
| 54 | 9.768  | 1287 | 1290 | 1293 | rVB4 | 1215   | 1868    | 0.12%   | 0.017%  |
| 55 | 9.817  | 1296 | 1298 | 1299 | rBV  | 945    | 658     | 0.04%   | 0.006%  |
| 56 | 9.878  | 1307 | 1308 | 1312 | rVB2 | 1251   | 1556    | 0.10%   | 0.014%  |
| 57 | 9.921  | 1312 | 1315 | 1320 | rVB7 | 1178   | 1948    | 0.12%   | 0.018%  |
| 58 | 9.963  | 1320 | 1322 | 1325 | rBV4 | 1557   | 1821    | 0.11%   | 0.017%  |
| 59 | 10.037 | 1326 | 1334 | 1342 | rVV  | 175361 | 316453  | 19.55%  | 2.907%  |
| 60 | 10.323 | 1372 | 1381 | 1388 | rBV  | 749315 | 1316203 | 81.30%  | 12.091% |
| 61 | 10.451 | 1400 | 1402 | 1404 | rBV3 | 1110   | 865     | 0.05%   | 0.008%  |
| 62 | 10.579 | 1416 | 1423 | 1432 | rBV  | 111135 | 190722  | 11.78%  | 1.752%  |
| 63 | 10.695 | 1437 | 1442 | 1443 | rBV5 | 4201   | 5027    | 0.31%   | 0.046%  |
| 64 | 10.927 | 1472 | 1480 | 1492 | rBV3 | 113294 | 244031  | 15.07%  | 2.242%  |
| 65 | 11.122 | 1511 | 1512 | 1514 | rBV2 | 1141   | 1064    | 0.07%   | 0.010%  |
| 66 | 11.317 | 1541 | 1544 | 1545 | rBV2 | 1353   | 1328    | 0.08%   | 0.012%  |
| 67 | 11.457 | 1566 | 1567 | 1568 | rBV  | 1112   | 561     | 0.03%   | 0.005%  |
| 68 | 11.524 | 1575 | 1578 | 1579 | rBV3 | 764    | 779     | 0.05%   | 0.007%  |
| 69 | 11.567 | 1584 | 1585 | 1587 | rBV2 | 1070   | 537     | 0.03%   | 0.005%  |
| 70 | 11.628 | 1587 | 1595 | 1606 | rBV  | 641380 | 1087111 | 67.15%  | 9.987%  |
| 71 | 11.835 | 1627 | 1629 | 1634 | rVB6 | 3265   | 4279    | 0.26%   | 0.039%  |
| 72 | 11.926 | 1640 | 1644 | 1645 | rBV3 | 1215   | 1305    | 0.08%   | 0.012%  |
| 73 | 11.975 | 1650 | 1652 | 1654 | rBV3 | 1038   | 900     | 0.06%   | 0.008%  |
| 74 | 12.048 | 1663 | 1664 | 1665 | rBV  | 1001   | 570     | 0.04%   | 0.005%  |
| 75 | 12.158 | 1679 | 1682 | 1684 | rBV3 | 2012   | 2492    | 0.15%   | 0.023%  |
| 76 | 12.341 | 1708 | 1712 | 1713 | rBV4 | 1142   | 1360    | 0.08%   | 0.012%  |

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 Sample : N2925-01  
 Misc : 4.65g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EXY03

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  | 12.426 | 1723 | 1726 | 1727 | rBV2 | 646    | 650    | 0.04%  | 0.006% |
| 78  | 12.475 | 1728 | 1734 | 1741 | rVB2 | 4167   | 9288   | 0.57%  | 0.085% |
| 79  | 12.524 | 1741 | 1742 | 1744 | rBV2 | 614    | 545    | 0.03%  | 0.005% |
| 80  | 12.603 | 1749 | 1755 | 1761 | rBV4 | 17546  | 31012  | 1.92%  | 0.285% |
| 81  | 12.689 | 1762 | 1769 | 1777 | rBV  | 283568 | 470201 | 29.05% | 4.319% |
| 82  | 12.865 | 1794 | 1798 | 1800 | rBV4 | 1651   | 1977   | 0.12%  | 0.018% |
| 83  | 13.390 | 1881 | 1884 | 1891 | rVV8 | 1431   | 2970   | 0.18%  | 0.027% |
| 84  | 13.554 | 1904 | 1911 | 1923 | rBV  | 487510 | 778276 | 48.08% | 7.150% |
| 85  | 13.853 | 1952 | 1960 | 1967 | rBV  | 460483 | 771835 | 47.68% | 7.090% |
| 86  | 14.060 | 1990 | 1994 | 2002 | rVB  | 14353  | 26459  | 1.63%  | 0.243% |
| 87  | 14.188 | 2013 | 2015 | 2020 | rVB5 | 2146   | 2838   | 0.18%  | 0.026% |
| 88  | 14.322 | 2034 | 2037 | 2044 | rVB9 | 2456   | 4491   | 0.28%  | 0.041% |
| 89  | 14.377 | 2044 | 2046 | 2048 | rBV3 | 1134   | 869    | 0.05%  | 0.008% |
| 90  | 14.633 | 2082 | 2088 | 2093 | rVB8 | 2653   | 5558   | 0.34%  | 0.051% |
| 91  | 14.688 | 2093 | 2097 | 2099 | rBV5 | 1938   | 2315   | 0.14%  | 0.021% |
| 92  | 14.713 | 2099 | 2101 | 2104 | rBV4 | 1561   | 1715   | 0.11%  | 0.016% |
| 93  | 15.066 | 2157 | 2159 | 2160 | rBV2 | 701    | 580    | 0.04%  | 0.005% |
| 94  | 15.365 | 2203 | 2208 | 2210 | rBV5 | 2358   | 3756   | 0.23%  | 0.035% |
| 95  | 15.426 | 2216 | 2218 | 2219 | rBV2 | 1004   | 762    | 0.05%  | 0.007% |
| 96  | 15.731 | 2266 | 2268 | 2273 | rBV6 | 1128   | 1976   | 0.12%  | 0.018% |
| 97  | 16.157 | 2336 | 2338 | 2339 | rBV2 | 797    | 531    | 0.03%  | 0.005% |
| 98  | 16.310 | 2361 | 2363 | 2366 | rBV4 | 1306   | 1271   | 0.08%  | 0.012% |
| 99  | 16.395 | 2375 | 2377 | 2379 | rBV2 | 1197   | 872    | 0.05%  | 0.008% |
| 100 | 16.724 | 2429 | 2431 | 2432 | rBV2 | 1395   | 862    | 0.05%  | 0.008% |

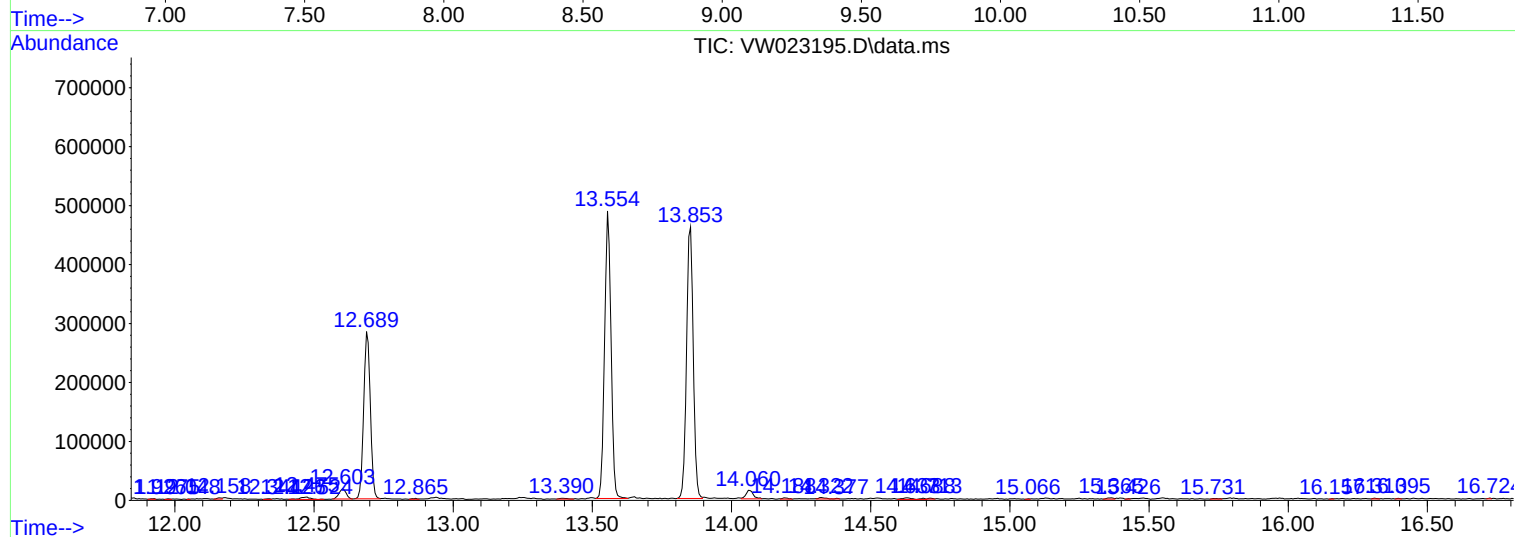
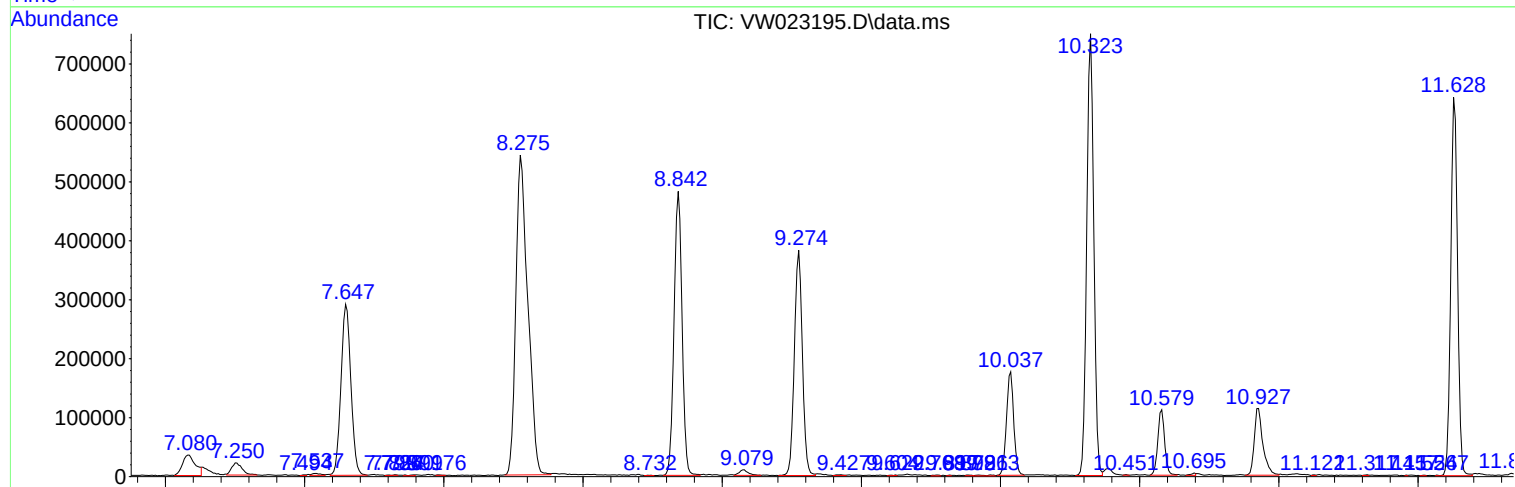
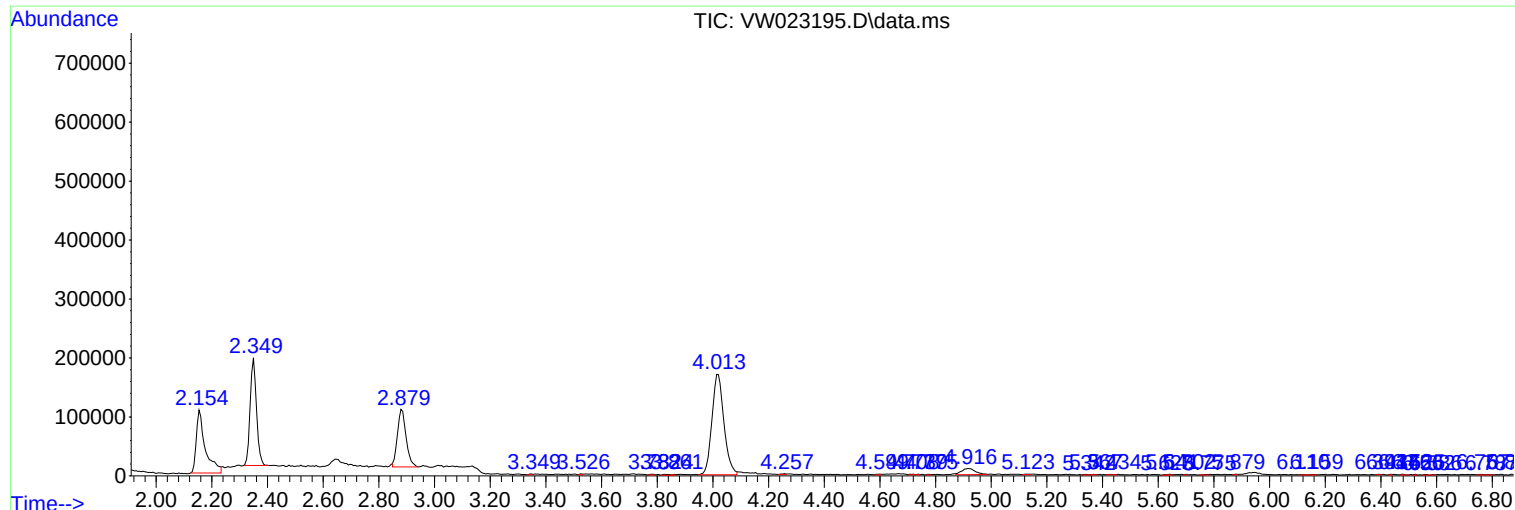
Sum of corrected areas: 10885588

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052022\  
Data File : VW023195.D  
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Misc : 4.65g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EXY03

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052022\  
Data File : VW023195.D  
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Operator : SY/VA  
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Misc : 4.65g/10mL/MSVOA\_W/SOIL  
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MSVOA\_W  
ClientSampleId :  
EXY03

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

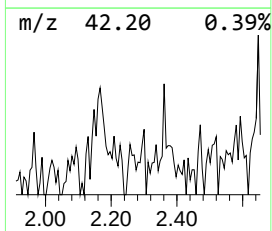
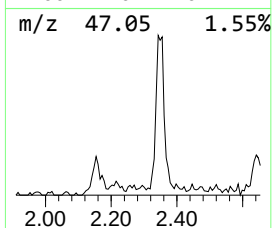
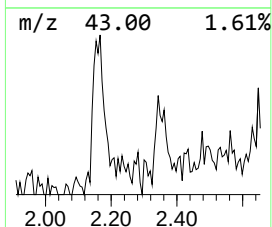
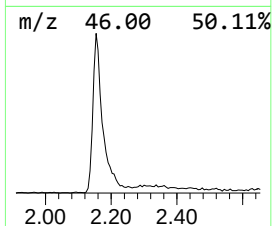
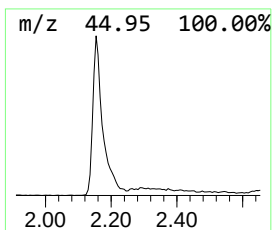
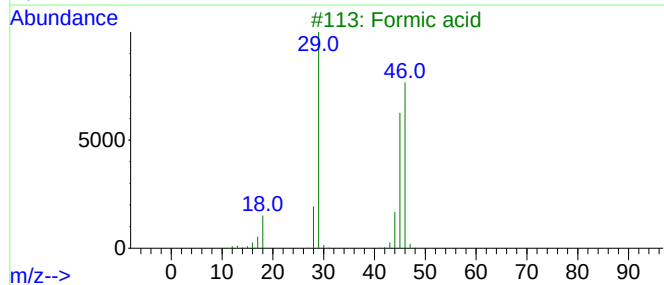
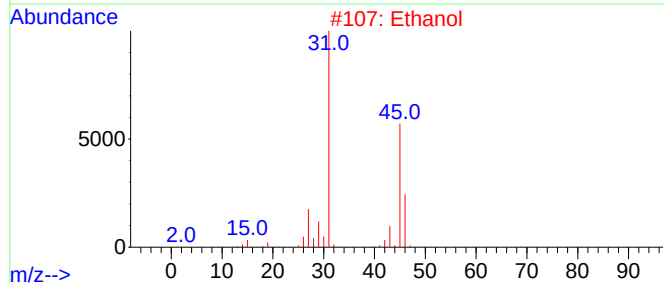
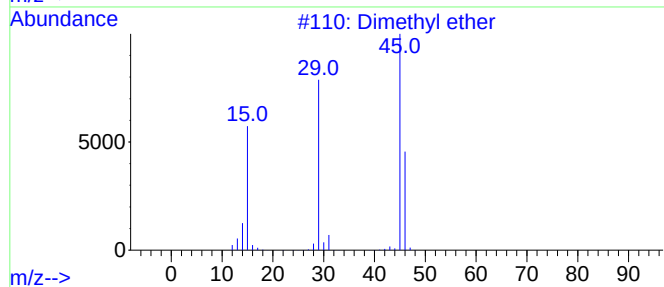
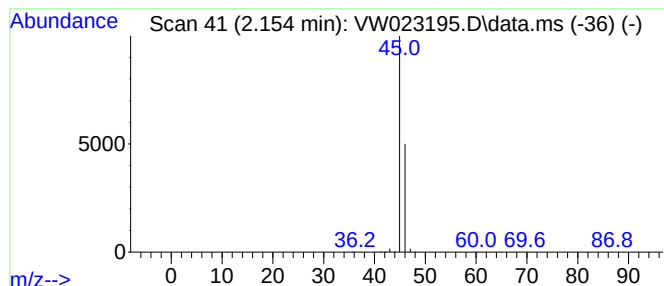
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 2.154 | 6.24 ug/L | 239817 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|------|----------------|----|---------|-------------|------|
| 1    |      | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 9    |
| 2    |      | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 3    |      | Formic acid    | 46 | CH2O2   | 000064-18-6 | 7    |
| 4    |      | Ethanol        | 46 | C2H6O   | 000064-17-5 | 7    |
| 5    |      | Dimethyl ether | 46 | C2H6O   | 000115-10-6 | 7    |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EXY03

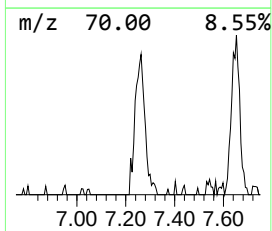
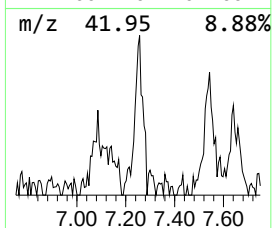
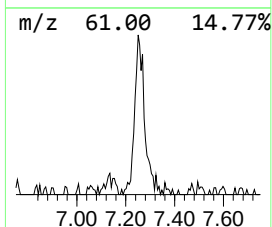
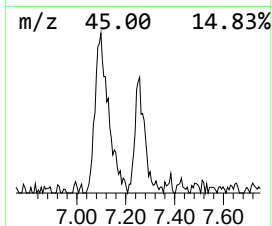
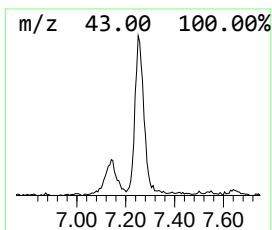
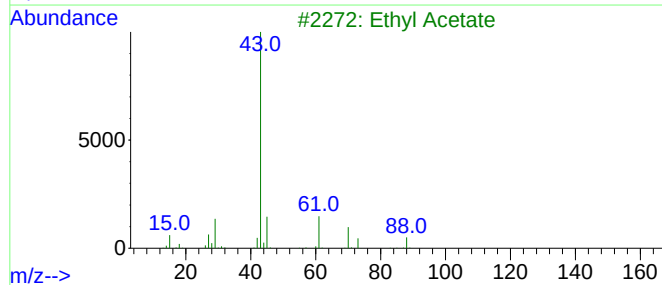
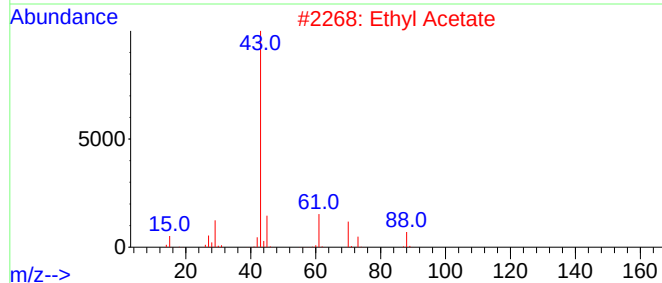
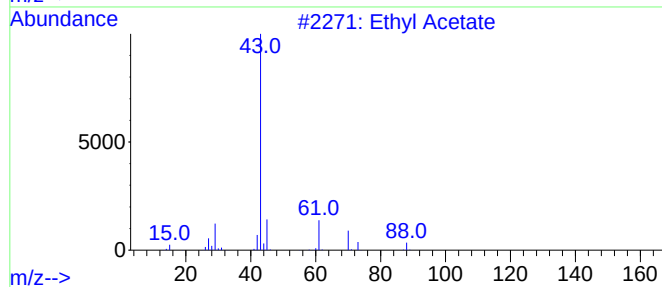
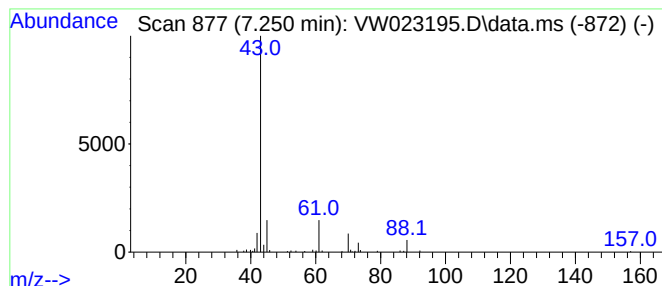
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Ethyl Acetate Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 7.250 | 1.43 ug/L | 55058 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 2    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 3    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 4    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 53   |
| 5    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052022\  
Data File : VW023195.D  
Acq On : 20 May 2022 13:45  
Operator : SY/VA  
Sample : N2925-01  
Misc : 4.65g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EXY03

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 2.154 | 6.2     | ug/L  | 239817   | 1                     | 8.842 | 960376 | 25.0 |
| Ethyl Acetate    | 7.250 | 1.4     | ug/L  | 55058    | 1                     | 8.842 | 960376 | 25.0 |