

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072222\  
 Data File : VW024031.D  
 Acq On : 23 Jul 2022 02:16  
 Operator : SY/VA  
 Sample : N3790-13  
 Misc : 2.90g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBUK7

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\SFAMWLM071322SMA.M  
 Title : SFAM01.0

Signal : TIC: VW024031.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         | 2.257       | 48            | 58          | 59           | rBV6     | 9905           | 29731         | 5.52%           | 0.948%        |
| 2         | 2.342       | 68            | 72          | 81           | rVB      | 77438          | 120520        | 22.37%          | 3.842%        |
| 3         | 2.879       | 155           | 160         | 168          | rVB      | 45407          | 96124         | 17.84%          | 3.064%        |
| 4         | 3.543       | 262           | 269         | 278          | rBV      | 17493          | 45264         | 8.40%           | 1.443%        |
| 5         | 3.897       | 324           | 327         | 328          | rBV2     | 1349           | 970           | 0.18%           | 0.031%        |
| 6         | 4.013       | 338           | 346         | 356          | rVB3     | 36423          | 111229        | 20.64%          | 3.546%        |
| 7         | 4.562       | 435           | 436         | 438          | rBV2     | 1128           | 768           | 0.14%           | 0.024%        |
| 8         | 4.677       | 453           | 455         | 457          | rVB3     | 1957           | 1374          | 0.26%           | 0.044%        |
| 9         | 4.903       | 484           | 492         | 506          | rVB3     | 15870          | 52065         | 9.66%           | 1.660%        |
| 10        | 5.092       | 520           | 523         | 526          | rBV4     | 1401           | 2155          | 0.40%           | 0.069%        |
| 11        | 5.317       | 558           | 560         | 562          | rBV2     | 1002           | 778           | 0.14%           | 0.025%        |
| 12        | 5.391       | 570           | 572         | 576          | rBV5     | 905            | 1040          | 0.19%           | 0.033%        |
| 13        | 5.531       | 593           | 595         | 598          | rVB4     | 1012           | 914           | 0.17%           | 0.029%        |
| 14        | 5.622       | 608           | 610         | 612          | rBV2     | 759            | 797           | 0.15%           | 0.025%        |
| 15        | 5.738       | 626           | 629         | 631          | rBV3     | 1186           | 1398          | 0.26%           | 0.045%        |
| 16        | 6.006       | 671           | 673         | 675          | rBV4     | 582            | 771           | 0.14%           | 0.025%        |
| 17        | 6.201       | 703           | 705         | 706          | rBV2     | 1403           | 923           | 0.17%           | 0.029%        |
| 18        | 6.220       | 706           | 708         | 711          | rVB4     | 858            | 850           | 0.16%           | 0.027%        |
| 19        | 6.451       | 744           | 746         | 749          | rVB4     | 1082           | 1028          | 0.19%           | 0.033%        |
| 20        | 6.488       | 749           | 752         | 754          | rBV4     | 816            | 1069          | 0.20%           | 0.034%        |
| 21        | 6.604       | 766           | 771         | 772          | rBV4     | 1191           | 1479          | 0.27%           | 0.047%        |
| 22        | 6.872       | 812           | 815         | 817          | rBV2     | 945            | 1243          | 0.23%           | 0.040%        |
| 23        | 7.079       | 843           | 849         | 852          | rBV3     | 4111           | 8352          | 1.55%           | 0.266%        |
| 24        | 7.268       | 877           | 880         | 881          | rBV3     | 1434           | 1013          | 0.19%           | 0.032%        |
| 25        | 7.402       | 901           | 902         | 905          | rBV3     | 880            | 929           | 0.17%           | 0.030%        |
| 26        | 7.451       | 907           | 910         | 911          | rVV2     | 998            | 772           | 0.14%           | 0.025%        |
| 27        | 7.646       | 932           | 942         | 953          | rBV      | 114157         | 281340        | 52.22%          | 8.968%        |
| 28        | 7.860       | 975           | 977         | 982          | rVB6     | 1403           | 1902          | 0.35%           | 0.061%        |
| 29        | 8.037       | 1001          | 1006        | 1007         | rBV4     | 922            | 1095          | 0.20%           | 0.035%        |
| 30        | 8.146       | 1021          | 1024        | 1025         | rBV2     | 1305           | 851           | 0.16%           | 0.027%        |
| 31        | 8.165       | 1025          | 1027        | 1028         | rVV      | 972            | 757           | 0.14%           | 0.024%        |
| 32        | 8.274       | 1035          | 1045        | 1060         | rBV2     | 161479         | 538799        | 100.00%         | 17.176%       |
| 33        | 8.689       | 1109          | 1113        | 1114         | rBV4     | 1505           | 1928          | 0.36%           | 0.061%        |
| 34        | 8.841       | 1129          | 1138        | 1146         | rVV      | 199408         | 383630        | 71.20%          | 12.229%       |
| 35        | 9.274       | 1200          | 1209        | 1220         | rBV      | 145878         | 300470        | 55.77%          | 9.578%        |
| 36        | 9.414       | 1228          | 1232        | 1235         | rBV6     | 1717           | 2747          | 0.51%           | 0.088%        |

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 ClientSampleId :  
 DBUK7

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\SFAMWLM071322SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 9.494  | 1244 | 1245 | 1247 | rBV2 | 1232   | 1202   | 0.22%  | 0.038%  |
| 38 | 9.616  | 1262 | 1265 | 1269 | rBV5 | 809    | 1360   | 0.25%  | 0.043%  |
| 39 | 9.762  | 1287 | 1289 | 1292 | rVB4 | 1628   | 1539   | 0.29%  | 0.049%  |
| 40 | 9.981  | 1323 | 1325 | 1327 | rBV3 | 1076   | 828    | 0.15%  | 0.026%  |
| 41 | 10.036 | 1327 | 1334 | 1340 | rVV3 | 13549  | 28441  | 5.28%  | 0.907%  |
| 42 | 10.323 | 1374 | 1381 | 1388 | rBV  | 172398 | 309821 | 57.50% | 9.876%  |
| 43 | 10.499 | 1408 | 1410 | 1413 | rBV4 | 1127   | 1297   | 0.24%  | 0.041%  |
| 44 | 10.579 | 1417 | 1423 | 1430 | rBV2 | 13437  | 25259  | 4.69%  | 0.805%  |
| 45 | 10.658 | 1433 | 1436 | 1437 | rBV3 | 1203   | 1008   | 0.19%  | 0.032%  |
| 46 | 10.774 | 1453 | 1455 | 1458 | rBV4 | 795    | 901    | 0.17%  | 0.029%  |
| 47 | 10.847 | 1465 | 1467 | 1468 | rBV2 | 845    | 780    | 0.14%  | 0.025%  |
| 48 | 10.920 | 1476 | 1479 | 1491 | rVB6 | 7219   | 16648  | 3.09%  | 0.531%  |
| 49 | 11.066 | 1499 | 1503 | 1504 | rBV3 | 1401   | 1949   | 0.36%  | 0.062%  |
| 50 | 11.426 | 1560 | 1562 | 1564 | rBV3 | 843    | 1030   | 0.19%  | 0.033%  |
| 51 | 11.469 | 1568 | 1569 | 1573 | rVV4 | 1385   | 1544   | 0.29%  | 0.049%  |
| 52 | 11.627 | 1587 | 1595 | 1604 | rBV  | 185724 | 315657 | 58.59% | 10.062% |
| 53 | 11.810 | 1622 | 1625 | 1628 | rBV5 | 977    | 1453   | 0.27%  | 0.046%  |
| 54 | 12.152 | 1678 | 1681 | 1682 | rBV2 | 740    | 777    | 0.14%  | 0.025%  |
| 55 | 12.176 | 1682 | 1685 | 1689 | rVB4 | 1254   | 1642   | 0.30%  | 0.052%  |
| 56 | 12.438 | 1725 | 1728 | 1729 | rBV2 | 1000   | 915    | 0.17%  | 0.029%  |
| 57 | 12.536 | 1742 | 1744 | 1745 | rBV2 | 1200   | 844    | 0.16%  | 0.027%  |
| 58 | 12.688 | 1762 | 1769 | 1778 | rVB  | 87752  | 147224 | 27.32% | 4.693%  |
| 59 | 12.883 | 1799 | 1801 | 1804 | rBV3 | 880    | 911    | 0.17%  | 0.029%  |
| 60 | 13.121 | 1837 | 1840 | 1842 | rBV3 | 1266   | 1656   | 0.31%  | 0.053%  |
| 61 | 13.176 | 1847 | 1849 | 1851 | rBV3 | 850    | 1016   | 0.19%  | 0.032%  |
| 62 | 13.206 | 1851 | 1854 | 1858 | rBV6 | 1309   | 2541   | 0.47%  | 0.081%  |
| 63 | 13.554 | 1903 | 1911 | 1918 | rBV  | 72623  | 122318 | 22.70% | 3.899%  |
| 64 | 13.749 | 1941 | 1943 | 1945 | rVV3 | 1143   | 885    | 0.16%  | 0.028%  |
| 65 | 13.853 | 1953 | 1960 | 1966 | rVB  | 60732  | 106155 | 19.70% | 3.384%  |
| 66 | 13.999 | 1982 | 1984 | 1985 | rBV2 | 999    | 890    | 0.17%  | 0.028%  |
| 67 | 14.054 | 1991 | 1993 | 1996 | rVV4 | 945    | 855    | 0.16%  | 0.027%  |
| 68 | 14.078 | 1996 | 1997 | 2000 | rVV2 | 1162   | 884    | 0.16%  | 0.028%  |
| 69 | 14.316 | 2032 | 2036 | 2040 | rBV7 | 1599   | 2648   | 0.49%  | 0.084%  |
| 70 | 14.377 | 2043 | 2046 | 2047 | rBV3 | 1152   | 1155   | 0.21%  | 0.037%  |
| 71 | 14.432 | 2051 | 2055 | 2057 | rVB5 | 1137   | 1885   | 0.35%  | 0.060%  |
| 72 | 14.456 | 2057 | 2059 | 2062 | rBV3 | 687    | 973    | 0.18%  | 0.031%  |
| 73 | 14.505 | 2062 | 2067 | 2069 | rVB6 | 1109   | 1474   | 0.27%  | 0.047%  |
| 74 | 14.596 | 2080 | 2082 | 2084 | rBV3 | 800    | 801    | 0.15%  | 0.026%  |
| 75 | 14.627 | 2084 | 2087 | 2089 | rBV4 | 1301   | 1446   | 0.27%  | 0.046%  |
| 76 | 14.645 | 2089 | 2090 | 2094 | rVB3 | 972    | 839    | 0.16%  | 0.027%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBUK7

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\SFAMWLM071322SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 14.694 | 2094 | 2098 | 2100 | rBV4 | 1043 | 1305 | 0.24% | 0.042% |
| 78  | 14.767 | 2108 | 2110 | 2112 | rBV2 | 939  | 902  | 0.17% | 0.029% |
| 79  | 14.840 | 2116 | 2122 | 2125 | rVV6 | 949  | 2133 | 0.40% | 0.068% |
| 80  | 14.907 | 2129 | 2133 | 2136 | rBV6 | 764  | 1125 | 0.21% | 0.036% |
| 81  | 14.938 | 2136 | 2138 | 2143 | rBV5 | 824  | 1060 | 0.20% | 0.034% |
| 82  | 14.980 | 2143 | 2145 | 2148 | rBV4 | 798  | 898  | 0.17% | 0.029% |
| 83  | 15.090 | 2161 | 2163 | 2165 | rBV3 | 923  | 847  | 0.16% | 0.027% |
| 84  | 15.145 | 2170 | 2172 | 2175 | rBV4 | 1116 | 1392 | 0.26% | 0.044% |
| 85  | 15.182 | 2175 | 2178 | 2179 | rBV3 | 1479 | 1376 | 0.26% | 0.044% |
| 86  | 15.249 | 2185 | 2189 | 2191 | rBV5 | 1044 | 1567 | 0.29% | 0.050% |
| 87  | 15.419 | 2215 | 2217 | 2219 | rVB3 | 1254 | 1165 | 0.22% | 0.037% |
| 88  | 15.450 | 2219 | 2222 | 2227 | rBV7 | 1369 | 2859 | 0.53% | 0.091% |
| 89  | 15.590 | 2243 | 2245 | 2248 | rVB4 | 830  | 912  | 0.17% | 0.029% |
| 90  | 15.621 | 2248 | 2250 | 2252 | rBV2 | 936  | 807  | 0.15% | 0.026% |
| 91  | 15.639 | 2252 | 2253 | 2256 | rVV3 | 1051 | 824  | 0.15% | 0.026% |
| 92  | 15.669 | 2256 | 2258 | 2260 | rVV3 | 879  | 791  | 0.15% | 0.025% |
| 93  | 15.791 | 2276 | 2278 | 2283 | rVB5 | 1029 | 1077 | 0.20% | 0.034% |
| 94  | 15.877 | 2290 | 2292 | 2295 | rVB4 | 1159 | 1063 | 0.20% | 0.034% |
| 95  | 15.925 | 2298 | 2300 | 2301 | rBV2 | 940  | 818  | 0.15% | 0.026% |
| 96  | 16.084 | 2323 | 2326 | 2328 | rBV4 | 1226 | 1595 | 0.30% | 0.051% |
| 97  | 16.194 | 2342 | 2344 | 2346 | rVB3 | 1039 | 831  | 0.15% | 0.026% |
| 98  | 16.230 | 2348 | 2350 | 2351 | rBV2 | 1153 | 837  | 0.16% | 0.027% |
| 99  | 16.462 | 2385 | 2388 | 2389 | rBV3 | 804  | 855  | 0.16% | 0.027% |
| 100 | 16.559 | 2402 | 2404 | 2407 | rBV3 | 1208 | 1439 | 0.27% | 0.046% |

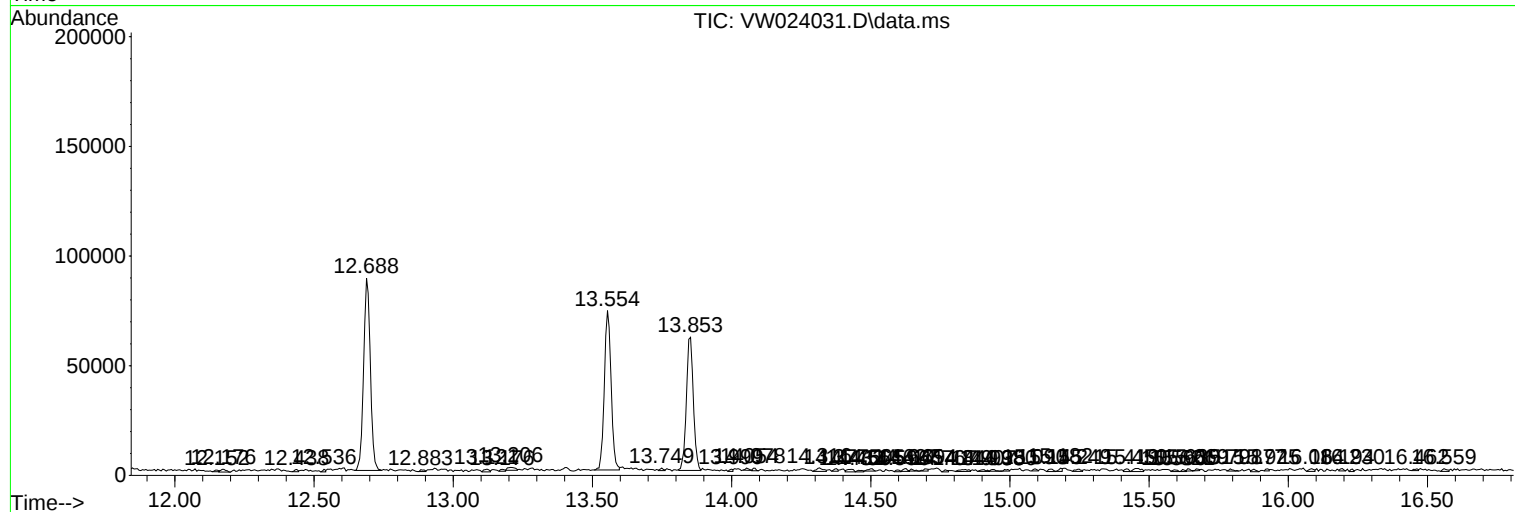
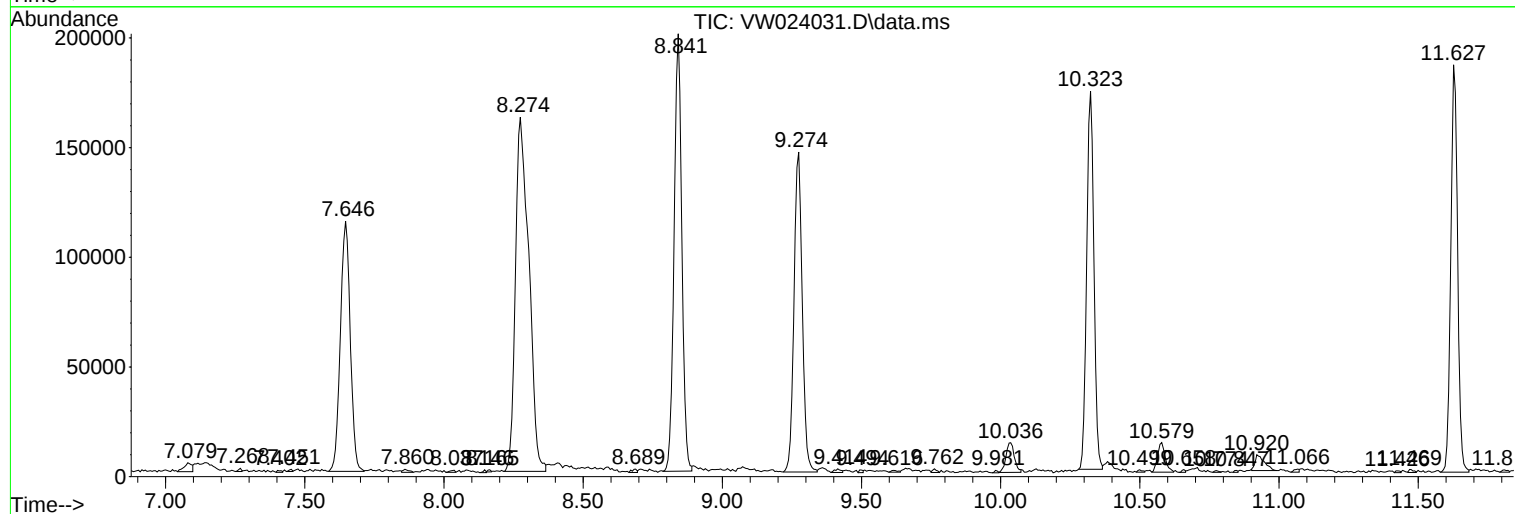
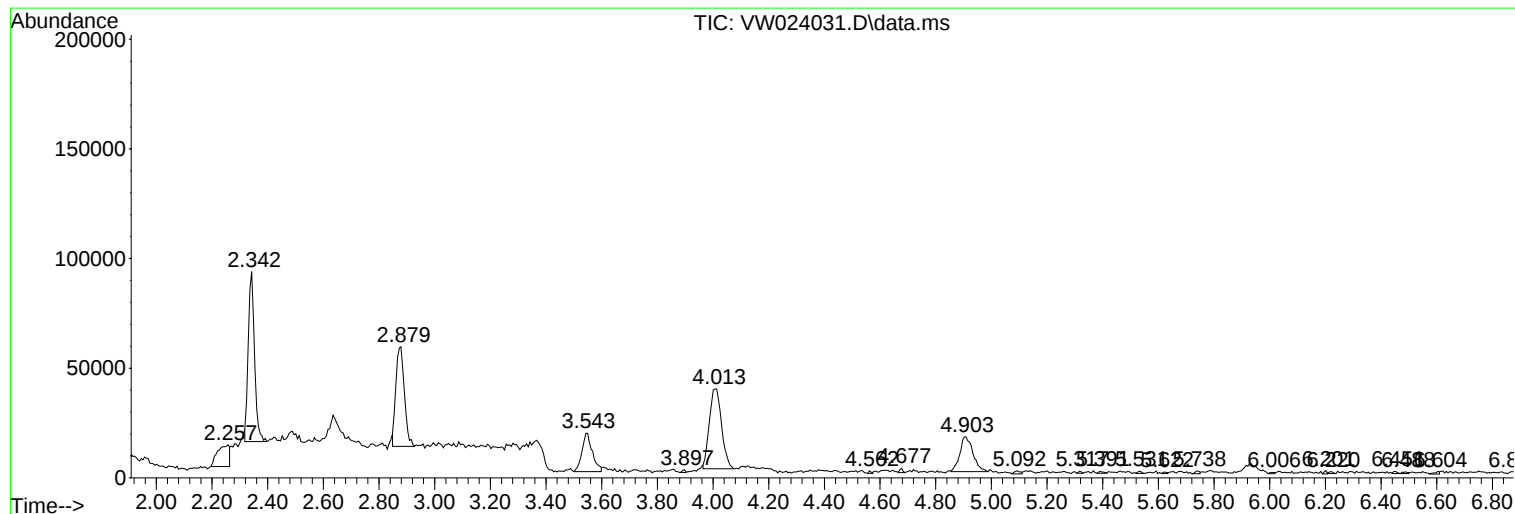
Sum of corrected areas: 3137004

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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072222\  
Data File : VW024031.D  
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Instrument :  
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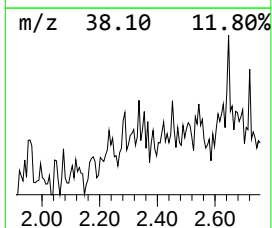
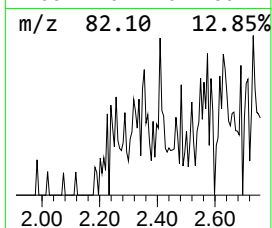
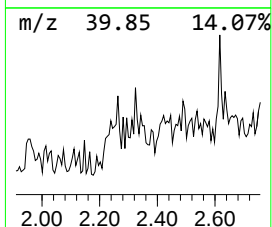
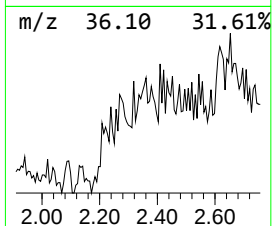
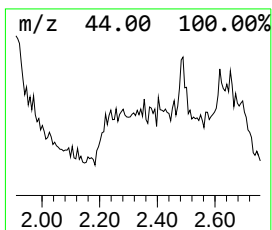
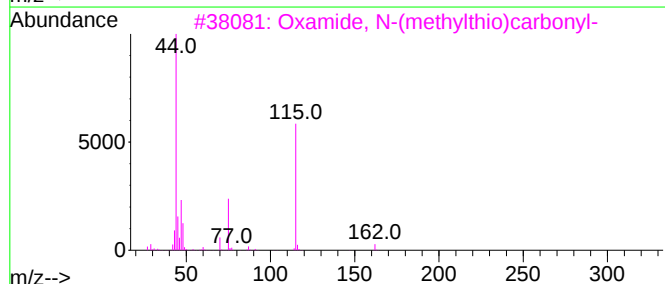
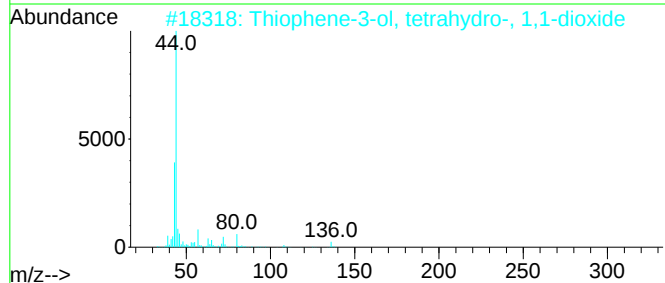
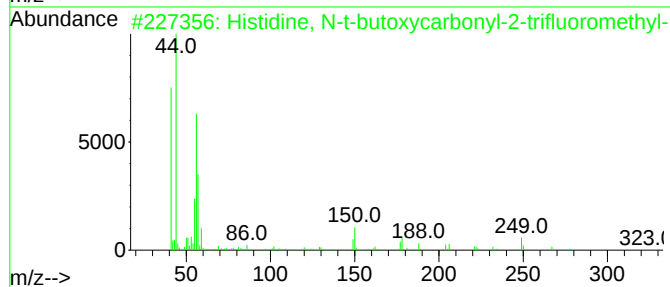
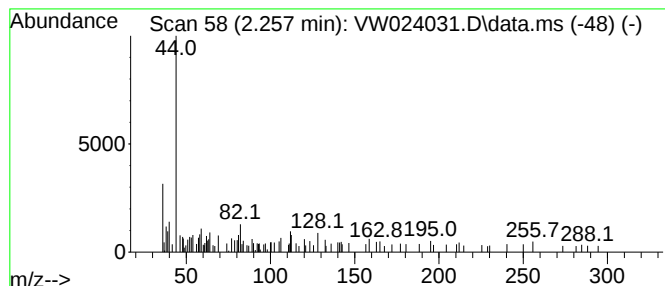
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.257 | 1.94 ug/L | 29731 | 1,4-Difluorobenzene | 8.841 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | Histidine, N-t-butoxycarbonyl-2-... | 323 | C12H16F3N3O4 | 074419-83-3  | 43   |
| 2    |    |   | Thiophene-3-ol, tetrahydro-, 1,1... | 136 | C4H8O3S      | 013031-76-0  | 38   |
| 3    |    |   | Oxamide, N-(methylthio)carbonyl-    | 162 | C4H6N2O3S    | 1000151-70-0 | 37   |
| 4    |    |   | Metanephthine                       | 197 | C10H15NO3    | 005001-33-2  | 35   |
| 5    |    |   | nor-Mephedrone                      | 163 | C10H13NO     | 006941-17-9  | 32   |



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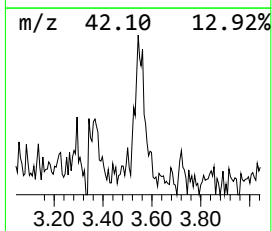
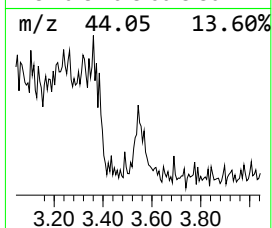
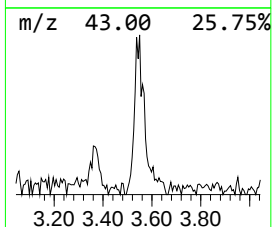
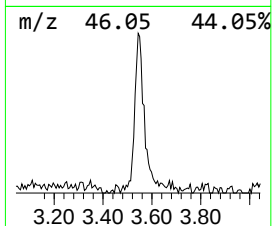
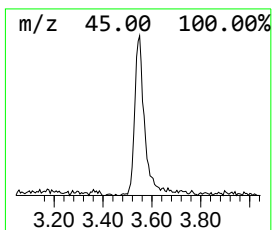
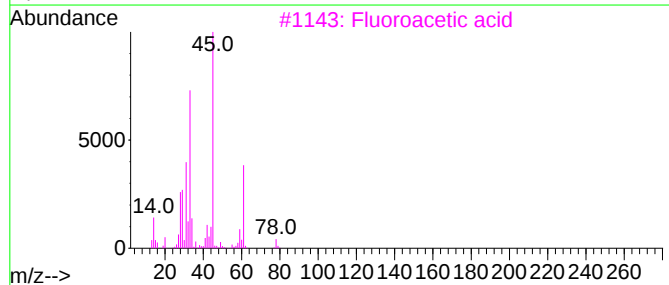
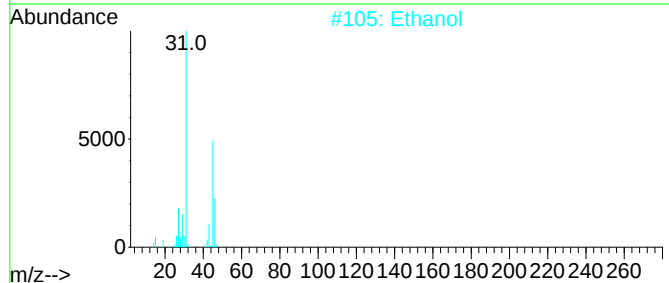
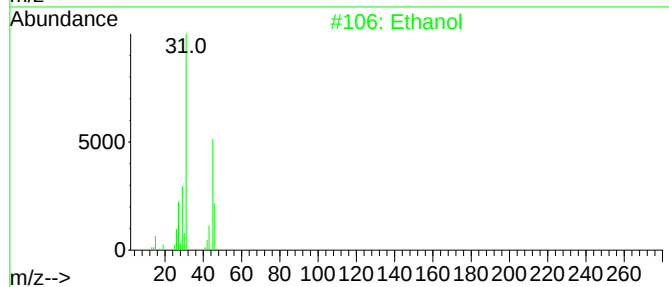
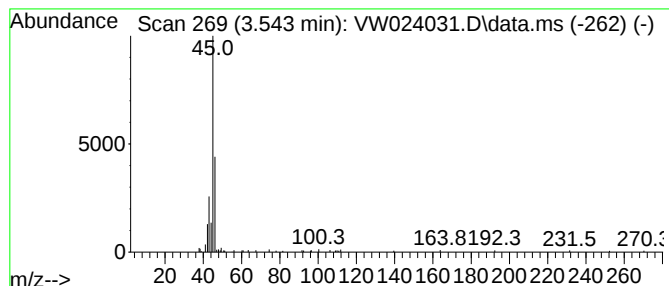
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 2 Ethanol Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 3.543 | 2.95 ug/L | 45264 | 1,4-Difluorobenzene | 8.841 |

| Hit# | of                | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-------------------|---|--------------|----|---------|-------------|------|
| 1    | Ethanol           |   |              | 46 | C2H6O   | 000064-17-5 | 56   |
| 2    | Ethanol           |   |              | 46 | C2H6O   | 000064-17-5 | 40   |
| 3    | Fluoroacetic acid |   |              | 78 | C2H3FO2 | 000144-49-0 | 36   |
| 4    | Ethanol           |   |              | 46 | C2H6O   | 000064-17-5 | 9    |
| 5    | Dimethyl ether    |   |              | 46 | C2H6O   | 000115-10-6 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072222\  
Data File : VW024031.D  
Acq On : 23 Jul 2022 02:16  
Operator : SY/VA  
Sample : N3790-13  
Misc : 2.90g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBUK7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.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       | 2.257 | 1.9     | ug/L  | 29731    | 1                     | 8.841 | 383630 | 25.0 |
| Ethanol          | 3.543 | 3.0     | ug/L  | 45264    | 1                     | 8.841 | 383630 | 25.0 |