

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121721\  
 Data File : VW021432.D  
 Acq On : 17 Dec 2021 15:42  
 Operator : SY/VA  
 Sample : M5121-07  
 Misc : 5.05g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGL59

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\SFAMWLM120921SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021432.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         | 2.343       | 65            | 72          | 82           | rVB      | 40197          | 64845         | 14.35%          | 1.812%        |
| 2         | 2.629       | 114           | 119         | 122          | rBV5     | 755            | 1561          | 0.35%           | 0.044%        |
| 3         | 2.757       | 137           | 140         | 141          | rBV2     | 272            | 335           | 0.07%           | 0.009%        |
| 4         | 2.879       | 152           | 160         | 170          | rBV      | 20688          | 44276         | 9.80%           | 1.237%        |
| 5         | 2.952       | 170           | 172         | 174          | rVB2     | 328            | 163           | 0.04%           | 0.005%        |
| 6         | 2.995       | 176           | 179         | 180          | rBV2     | 311            | 337           | 0.07%           | 0.009%        |
| 7         | 3.227       | 216           | 217         | 222          | rVB      | 77             | 88            | 0.02%           | 0.002%        |
| 8         | 3.367       | 239           | 240         | 242          | rBV2     | 114            | 95            | 0.02%           | 0.003%        |
| 9         | 3.818       | 311           | 314         | 316          | rBV      | 104            | 147           | 0.03%           | 0.004%        |
| 10        | 3.891       | 325           | 326         | 329          | rVB      | 110            | 91            | 0.02%           | 0.003%        |
| 11        | 3.928       | 329           | 332         | 333          | rBV      | 92             | 110           | 0.02%           | 0.003%        |
| 12        | 4.013       | 334           | 346         | 358          | rVV      | 46214          | 137828        | 30.50%          | 3.851%        |
| 13        | 4.117       | 358           | 363         | 376          | rVV      | 4147           | 10963         | 2.43%           | 0.306%        |
| 14        | 4.202       | 376           | 377         | 380          | rVB      | 147            | 114           | 0.03%           | 0.003%        |
| 15        | 4.288       | 389           | 391         | 392          | rBV      | 92             | 86            | 0.02%           | 0.002%        |
| 16        | 4.403       | 408           | 410         | 414          | rBB      | 201            | 190           | 0.04%           | 0.005%        |
| 17        | 4.440       | 414           | 416         | 419          | rBV      | 72             | 114           | 0.03%           | 0.003%        |
| 18        | 4.769       | 468           | 470         | 471          | rVV      | 136            | 113           | 0.03%           | 0.003%        |
| 19        | 4.909       | 482           | 493         | 507          | rBB3     | 4886           | 15686         | 3.47%           | 0.438%        |
| 20        | 5.001       | 507           | 508         | 510          | rBV      | 119            | 98            | 0.02%           | 0.003%        |
| 21        | 5.086       | 520           | 522         | 523          | rBV      | 117            | 85            | 0.02%           | 0.002%        |
| 22        | 5.111       | 523           | 526         | 528          | rVB2     | 142            | 157           | 0.03%           | 0.004%        |
| 23        | 5.141       | 528           | 531         | 533          | rBV      | 138            | 175           | 0.04%           | 0.005%        |
| 24        | 5.287       | 552           | 555         | 559          | rBB      | 83             | 141           | 0.03%           | 0.004%        |
| 25        | 5.367       | 565           | 568         | 570          | rBB      | 79             | 101           | 0.02%           | 0.003%        |
| 26        | 5.403       | 571           | 574         | 577          | rBB      | 131            | 134           | 0.03%           | 0.004%        |
| 27        | 5.446       | 579           | 581         | 583          | rVB      | 121            | 97            | 0.02%           | 0.003%        |
| 28        | 5.464       | 583           | 584         | 587          | rBB      | 114            | 87            | 0.02%           | 0.002%        |
| 29        | 5.501       | 587           | 590         | 591          | rBB      | 111            | 102           | 0.02%           | 0.003%        |
| 30        | 5.580       | 598           | 603         | 607          | rBV2     | 183            | 338           | 0.07%           | 0.009%        |
| 31        | 5.635       | 610           | 612         | 614          | rVB      | 112            | 107           | 0.02%           | 0.003%        |
| 32        | 5.751       | 627           | 631         | 632          | rBB      | 80             | 108           | 0.02%           | 0.003%        |
| 33        | 5.763       | 632           | 633         | 635          | rBV      | 127            | 92            | 0.02%           | 0.003%        |
| 34        | 5.806       | 638           | 640         | 641          | rVB      | 128            | 93            | 0.02%           | 0.003%        |
| 35        | 5.891       | 649           | 654         | 655          | rBB      | 80             | 120           | 0.03%           | 0.003%        |
| 36        | 5.940       | 655           | 662         | 669          | rBB5     | 542            | 1440          | 0.32%           | 0.040%        |

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Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 5.995  | 669  | 671  | 674  | rBB  | 150    | 126    | 0.03%  | 0.004%  |
| 38 | 6.037  | 675  | 678  | 682  | rBB  | 122    | 154    | 0.03%  | 0.004%  |
| 39 | 6.080  | 682  | 685  | 686  | rBV  | 119    | 120    | 0.03%  | 0.003%  |
| 40 | 6.214  | 706  | 707  | 709  | rVB  | 135    | 98     | 0.02%  | 0.003%  |
| 41 | 6.342  | 726  | 728  | 730  | rBV  | 68     | 87     | 0.02%  | 0.002%  |
| 42 | 6.415  | 736  | 740  | 744  | rBV2 | 153    | 263    | 0.06%  | 0.007%  |
| 43 | 6.476  | 747  | 750  | 752  | rBB2 | 125    | 125    | 0.03%  | 0.003%  |
| 44 | 6.610  | 769  | 772  | 773  | rBB2 | 144    | 93     | 0.02%  | 0.003%  |
| 45 | 6.751  | 793  | 795  | 798  | rBB2 | 120    | 110    | 0.02%  | 0.003%  |
| 46 | 6.824  | 805  | 807  | 810  | rBB2 | 114    | 107    | 0.02%  | 0.003%  |
| 47 | 6.927  | 823  | 824  | 827  | rBB2 | 125    | 112    | 0.02%  | 0.003%  |
| 48 | 6.994  | 833  | 835  | 837  | rBV  | 109    | 101    | 0.02%  | 0.003%  |
| 49 | 7.074  | 839  | 848  | 859  | rBV  | 10386  | 30565  | 6.76%  | 0.854%  |
| 50 | 7.214  | 870  | 871  | 876  | rVB2 | 217    | 146    | 0.03%  | 0.004%  |
| 51 | 7.250  | 876  | 877  | 880  | rVB2 | 112    | 86     | 0.02%  | 0.002%  |
| 52 | 7.494  | 914  | 917  | 920  | rBB  | 71     | 86     | 0.02%  | 0.002%  |
| 53 | 7.647  | 930  | 942  | 955  | rBV  | 69149  | 171266 | 37.90% | 4.785%  |
| 54 | 7.775  | 960  | 963  | 965  | rBB  | 118    | 124    | 0.03%  | 0.003%  |
| 55 | 8.025  | 1001 | 1004 | 1008 | rBB  | 76     | 121    | 0.03%  | 0.003%  |
| 56 | 8.171  | 1027 | 1028 | 1032 | rBV  | 74     | 111    | 0.02%  | 0.003%  |
| 57 | 8.275  | 1035 | 1045 | 1059 | rBV2 | 135567 | 403213 | 89.22% | 11.266% |
| 58 | 8.403  | 1065 | 1066 | 1067 | rVB2 | 392    | 143    | 0.03%  | 0.004%  |
| 59 | 8.458  | 1073 | 1075 | 1077 | rVB2 | 281    | 207    | 0.05%  | 0.006%  |
| 60 | 8.586  | 1093 | 1096 | 1098 | rVV  | 114    | 139    | 0.03%  | 0.004%  |
| 61 | 8.616  | 1098 | 1101 | 1104 | rVB  | 174    | 158    | 0.03%  | 0.004%  |
| 62 | 8.695  | 1109 | 1114 | 1115 | rBB  | 250    | 279    | 0.06%  | 0.008%  |
| 63 | 8.842  | 1128 | 1138 | 1147 | rBV  | 145236 | 288764 | 63.90% | 8.068%  |
| 64 | 8.951  | 1154 | 1156 | 1159 | rBB  | 114    | 109    | 0.02%  | 0.003%  |
| 65 | 9.043  | 1168 | 1171 | 1173 | rBB  | 152    | 127    | 0.03%  | 0.004%  |
| 66 | 9.061  | 1173 | 1174 | 1177 | rBB  | 210    | 205    | 0.05%  | 0.006%  |
| 67 | 9.116  | 1181 | 1183 | 1186 | rVB  | 121    | 134    | 0.03%  | 0.004%  |
| 68 | 9.274  | 1200 | 1209 | 1219 | rBV  | 88107  | 182969 | 40.49% | 5.112%  |
| 69 | 9.348  | 1219 | 1221 | 1224 | rVV  | 188    | 179    | 0.04%  | 0.005%  |
| 70 | 9.512  | 1247 | 1248 | 1252 | rBB  | 129    | 132    | 0.03%  | 0.004%  |
| 71 | 9.665  | 1270 | 1273 | 1275 | rBV  | 293    | 298    | 0.07%  | 0.008%  |
| 72 | 9.750  | 1285 | 1287 | 1294 | rVB3 | 389    | 576    | 0.13%  | 0.016%  |
| 73 | 9.835  | 1298 | 1301 | 1304 | rBV  | 79     | 142    | 0.03%  | 0.004%  |
| 74 | 9.890  | 1305 | 1310 | 1315 | rVB3 | 1060   | 2103   | 0.47%  | 0.059%  |
| 75 | 9.957  | 1319 | 1321 | 1324 | rBV  | 116    | 153    | 0.03%  | 0.004%  |
| 76 | 10.037 | 1324 | 1334 | 1343 | rBV  | 48012  | 88429  | 19.57% | 2.471%  |

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Instrument :  
 MSVOA\_W  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |         |         |
|-----|--------|------|------|------|------|--------|--------|---------|---------|
| 77  | 10.122 | 1347 | 1348 | 1350 | rBV  | 221    | 160    | 0.04%   | 0.004%  |
| 78  | 10.158 | 1350 | 1354 | 1357 | rBV2 | 283    | 363    | 0.08%   | 0.010%  |
| 79  | 10.195 | 1359 | 1360 | 1361 | rBV  | 351    | 182    | 0.04%   | 0.005%  |
| 80  | 10.207 | 1361 | 1362 | 1364 | rBV  | 238    | 204    | 0.05%   | 0.006%  |
| 81  | 10.238 | 1365 | 1367 | 1368 | rBV2 | 318    | 217    | 0.05%   | 0.006%  |
| 82  | 10.323 | 1373 | 1381 | 1388 | rVV  | 215005 | 374212 | 82.81%  | 10.455% |
| 83  | 10.384 | 1388 | 1391 | 1399 | rVB2 | 3464   | 5508   | 1.22%   | 0.154%  |
| 84  | 10.488 | 1406 | 1408 | 1409 | rBV  | 366    | 352    | 0.08%   | 0.010%  |
| 85  | 10.506 | 1409 | 1411 | 1416 | rVB2 | 556    | 525    | 0.12%   | 0.015%  |
| 86  | 10.573 | 1416 | 1422 | 1429 | rBV  | 31424  | 55703  | 12.33%  | 1.556%  |
| 87  | 10.652 | 1433 | 1435 | 1436 | rBV  | 340    | 272    | 0.06%   | 0.008%  |
| 88  | 10.707 | 1436 | 1444 | 1448 | rBV2 | 1797   | 3580   | 0.79%   | 0.100%  |
| 89  | 10.750 | 1450 | 1451 | 1453 | rBV2 | 435    | 411    | 0.09%   | 0.011%  |
| 90  | 10.805 | 1458 | 1460 | 1461 | rBV2 | 377    | 231    | 0.05%   | 0.006%  |
| 91  | 10.920 | 1473 | 1479 | 1487 | rBV  | 46643  | 86605  | 19.16%  | 2.420%  |
| 92  | 11.628 | 1588 | 1595 | 1604 | rVB  | 230957 | 386822 | 85.60%  | 10.808% |
| 93  | 11.823 | 1625 | 1627 | 1629 | rBV3 | 919    | 1037   | 0.23%   | 0.029%  |
| 94  | 12.688 | 1764 | 1769 | 1776 | rVB  | 79404  | 131891 | 29.19%  | 3.685%  |
| 95  | 13.298 | 1859 | 1869 | 1883 | rBV4 | 44569  | 203933 | 45.13%  | 5.698%  |
| 96  | 13.554 | 1905 | 1911 | 1918 | rBV  | 285701 | 451913 | 100.00% | 12.626% |
| 97  | 13.853 | 1953 | 1960 | 1967 | rBV  | 216528 | 379200 | 83.91%  | 10.595% |
| 98  | 15.316 | 2198 | 2200 | 2201 | rBV2 | 2138   | 1686   | 0.37%   | 0.047%  |
| 99  | 15.359 | 2204 | 2207 | 2212 | rVV  | 6746   | 10374  | 2.30%   | 0.290%  |
| 100 | 15.627 | 2246 | 2251 | 2264 | rVB8 | 9193   | 30680  | 6.79%   | 0.857%  |

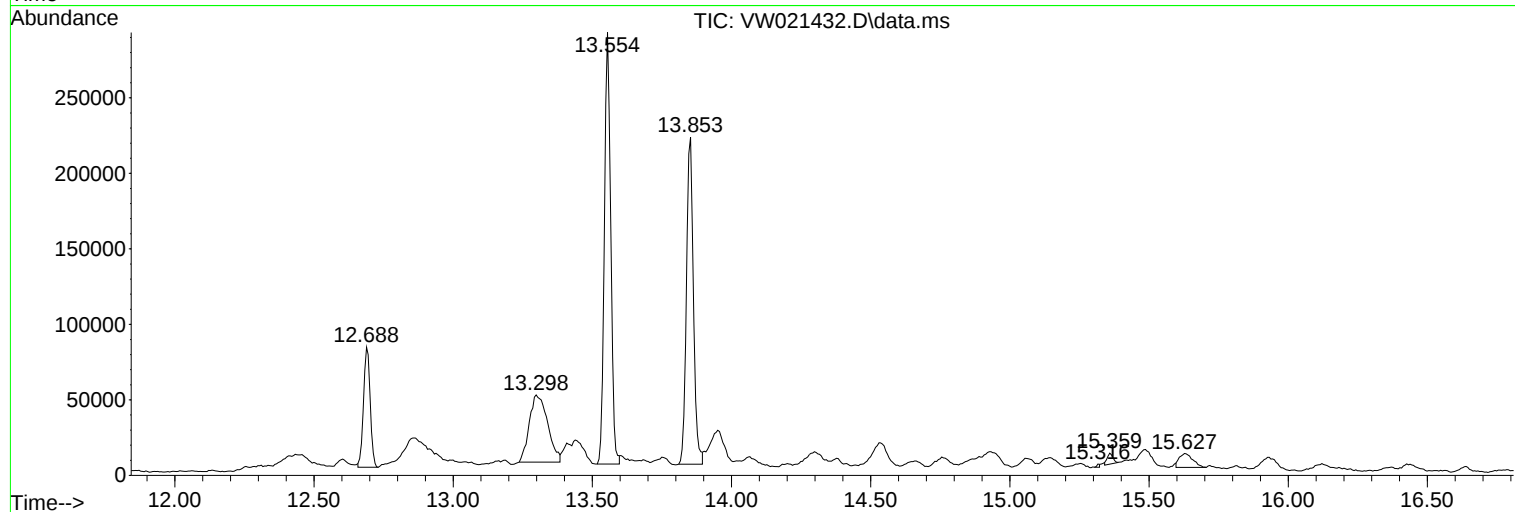
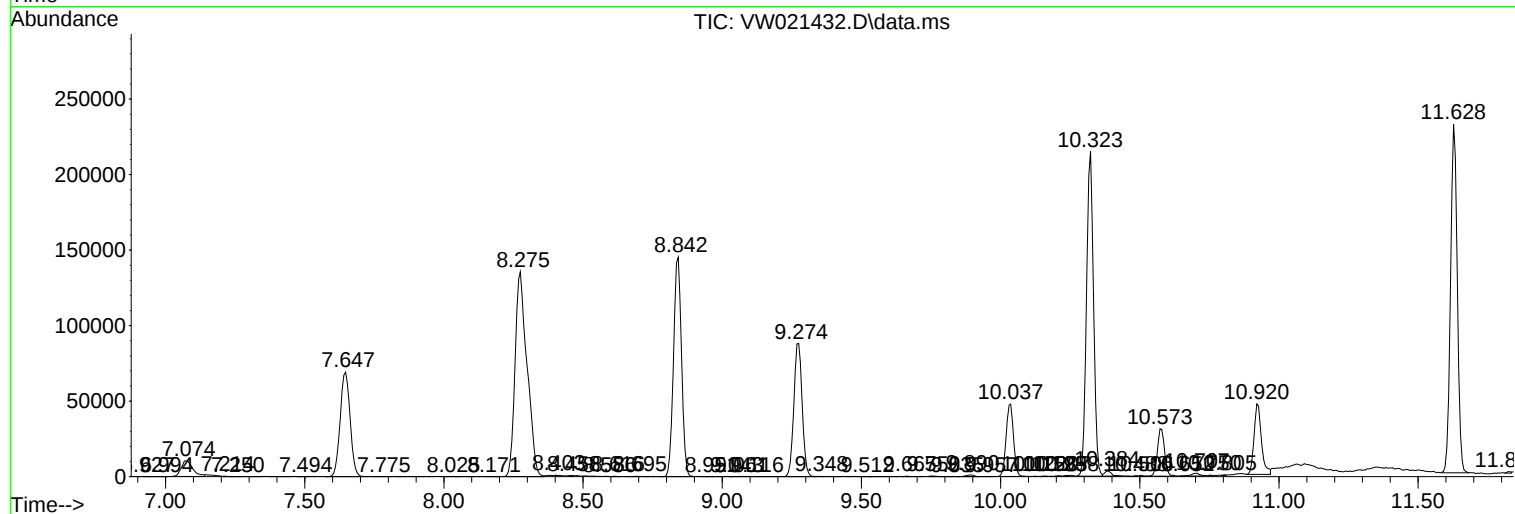
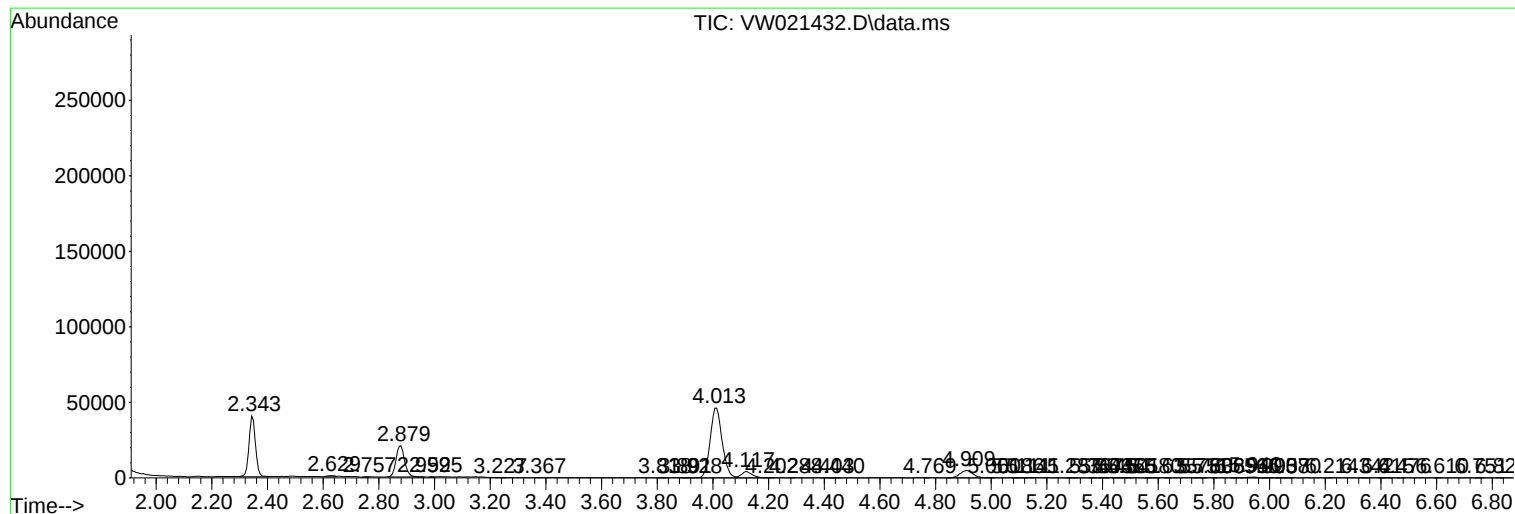
Sum of corrected areas: 3579138

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Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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



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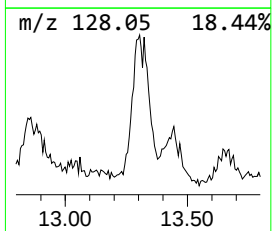
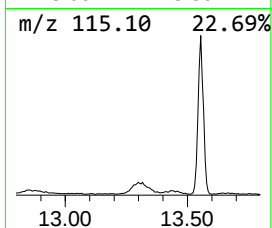
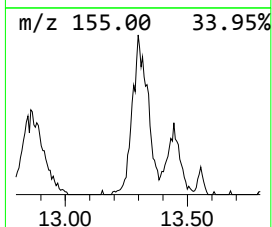
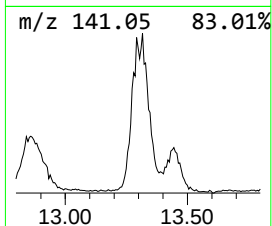
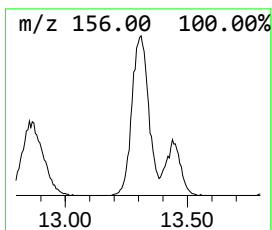
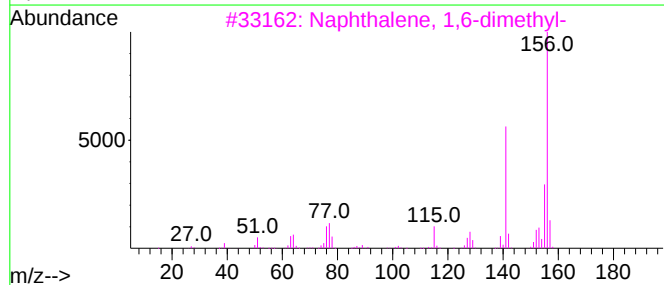
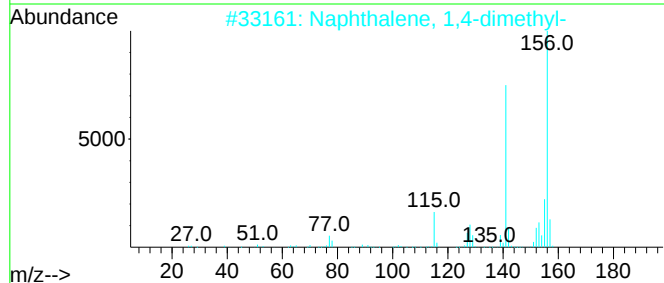
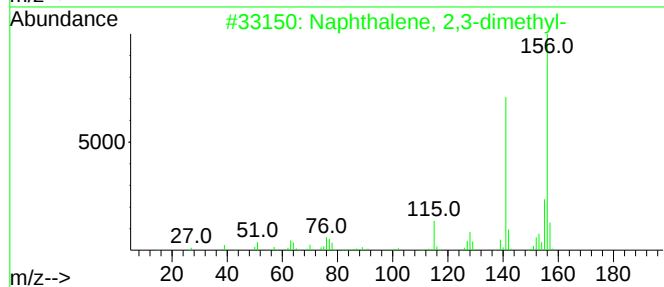
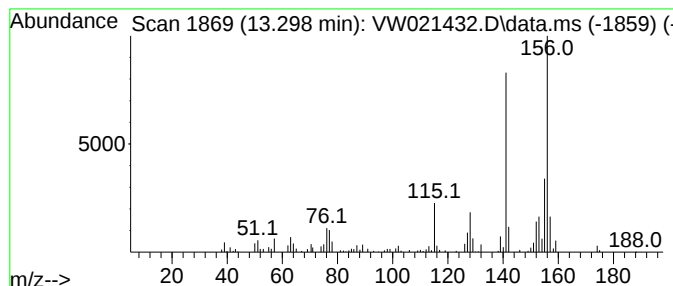
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.298 | 11.28 ug/L | 203933 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |



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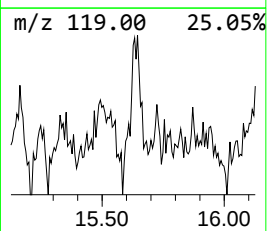
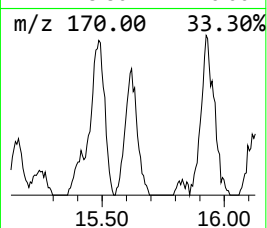
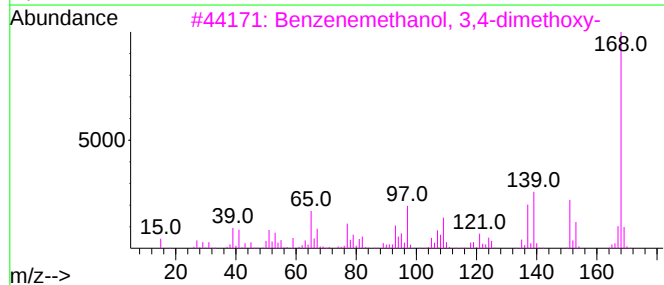
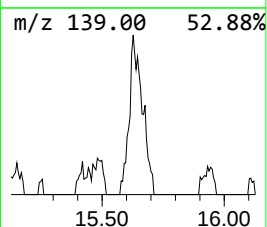
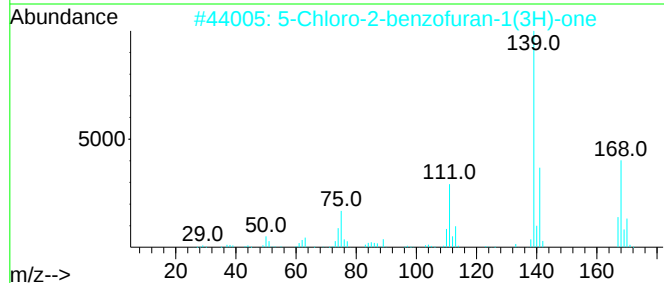
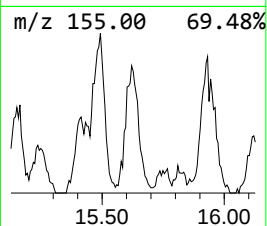
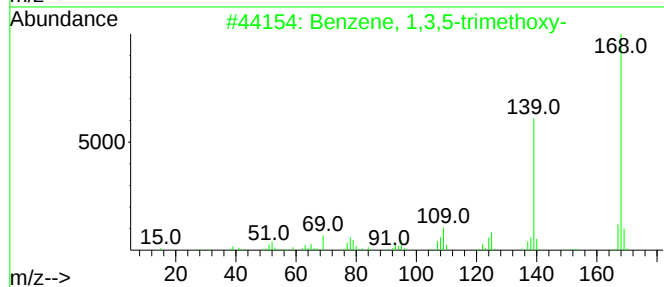
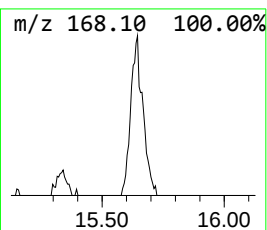
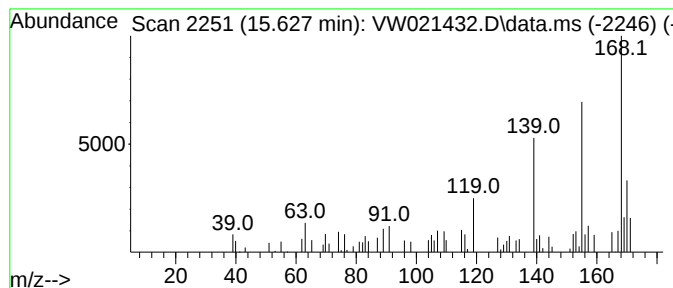
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 unknown-01 Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.627 | 1.70 ug/L | 30680 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzene, 1,3,5-trimethoxy-          | 168 | C9H12O3   | 000621-23-8 | 46   |
| 2    |    |   | 5-Chloro-2-benzofuran-1(3H)-one     | 168 | C8H5ClO2  | 054109-03-4 | 43   |
| 3    |    |   | Benzenemethanol, 3,4-dimethoxy-     | 168 | C9H12O3   | 000093-03-8 | 38   |
| 4    |    |   | Benzofuran, 5-chloro-2,3-dihydro... | 168 | C9H9ClO   | 054410-96-7 | 38   |
| 5    |    |   | 6-Chloro-1,3-benzoxazol-2-amine     | 168 | C7H5ClN2O | 052112-68-2 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121721\  
Data File : VW021432.D  
Acq On : 17 Dec 2021 15:42  
Operator : SY/VA  
Sample : M5121-07  
Misc : 5.05g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL59

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.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 |
| Naphthalene, 2,... | 13.298 | 11.3    | ug/L  | 203933   | 3                     | 13.554 | 451913 | 25.0 |
| unknown-01         | 15.627 | 1.7     | ug/L  | 30680    | 3                     | 13.554 | 451913 | 25.0 |