

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101921\  
 Data File : VW020610.D  
 Acq On : 19 Oct 2021 15:31  
 Operator : SY/VA  
 Sample : M4212-15RE  
 Misc : 2.87g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JDGF8RE

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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

Signal : TIC: VW020610.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         | 2.355       | 68            | 74          | 80           | rVB      | 51508          | 85818         | 13.10%          | 2.375%        |
| 2         | 2.623       | 116           | 118         | 120          | rBV2     | 790            | 815           | 0.12%           | 0.023%        |
| 3         | 2.794       | 143           | 146         | 151          | rVB6     | 823            | 1462          | 0.22%           | 0.040%        |
| 4         | 2.885       | 153           | 161         | 171          | rBV      | 20868          | 42923         | 6.55%           | 1.188%        |
| 5         | 2.983       | 175           | 177         | 178          | rBV      | 292            | 191           | 0.03%           | 0.005%        |
| 6         | 3.123       | 197           | 200         | 203          | rBV4     | 379            | 593           | 0.09%           | 0.016%        |
| 7         | 3.379       | 237           | 242         | 250          | rVB4     | 854            | 2028          | 0.31%           | 0.056%        |
| 8         | 3.458       | 254           | 255         | 257          | rVB      | 225            | 117           | 0.02%           | 0.003%        |
| 9         | 3.501       | 259           | 262         | 265          | rBV2     | 198            | 304           | 0.05%           | 0.008%        |
| 10        | 3.562       | 271           | 272         | 274          | rVB      | 229            | 158           | 0.02%           | 0.004%        |
| 11        | 3.586       | 274           | 276         | 278          | rBV      | 133            | 163           | 0.02%           | 0.005%        |
| 12        | 3.605       | 278           | 279         | 282          | rVV      | 191            | 123           | 0.02%           | 0.003%        |
| 13        | 3.641       | 282           | 285         | 287          | rVB      | 123            | 131           | 0.02%           | 0.004%        |
| 14        | 3.659       | 287           | 288         | 291          | rBV2     | 108            | 138           | 0.02%           | 0.004%        |
| 15        | 3.733       | 296           | 300         | 303          | rBV2     | 133            | 151           | 0.02%           | 0.004%        |
| 16        | 4.019       | 335           | 347         | 362          | rBV      | 67648          | 197439        | 30.14%          | 5.464%        |
| 17        | 4.208       | 370           | 378         | 389          | rVB2     | 5911           | 16910         | 2.58%           | 0.468%        |
| 18        | 4.367       | 399           | 404         | 406          | rBV3     | 234            | 340           | 0.05%           | 0.009%        |
| 19        | 4.391       | 406           | 408         | 409          | rVB2     | 164            | 119           | 0.02%           | 0.003%        |
| 20        | 4.617       | 440           | 445         | 446          | rBV2     | 360            | 542           | 0.08%           | 0.015%        |
| 21        | 4.665       | 451           | 453         | 456          | rVB2     | 131            | 125           | 0.02%           | 0.003%        |
| 22        | 4.915       | 486           | 494         | 506          | rVV3     | 5547           | 17516         | 2.67%           | 0.485%        |
| 23        | 5.007       | 506           | 509         | 512          | rVV      | 124            | 176           | 0.03%           | 0.005%        |
| 24        | 5.080       | 518           | 521         | 524          | rVB2     | 96             | 136           | 0.02%           | 0.004%        |
| 25        | 5.117       | 524           | 527         | 530          | rVB      | 156            | 221           | 0.03%           | 0.006%        |
| 26        | 5.159       | 530           | 534         | 535          | rBV2     | 104            | 153           | 0.02%           | 0.004%        |
| 27        | 5.275       | 550           | 553         | 556          | rBV2     | 84             | 116           | 0.02%           | 0.003%        |
| 28        | 5.312       | 556           | 559         | 562          | rVB2     | 119            | 182           | 0.03%           | 0.005%        |
| 29        | 5.440       | 577           | 580         | 584          | rBV2     | 112            | 182           | 0.03%           | 0.005%        |
| 30        | 5.665       | 614           | 617         | 618          | rBV2     | 129            | 130           | 0.02%           | 0.004%        |
| 31        | 5.690       | 619           | 621         | 624          | rVB2     | 136            | 132           | 0.02%           | 0.004%        |
| 32        | 5.781       | 635           | 636         | 639          | rBV2     | 103            | 120           | 0.02%           | 0.003%        |
| 33        | 5.866       | 647           | 650         | 652          | rBV2     | 117            | 154           | 0.02%           | 0.004%        |
| 34        | 5.952       | 656           | 664         | 670          | rBV6     | 1519           | 4455          | 0.68%           | 0.123%        |
| 35        | 6.049       | 678           | 680         | 682          | rBV      | 153            | 183           | 0.03%           | 0.005%        |
| 36        | 6.080       | 684           | 685         | 688          | rVV2     | 110            | 142           | 0.02%           | 0.004%        |

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Integrator: RTE

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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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 6.129  | 690  | 693  | 697  | rBV2 | 103    | 170    | 0.03%   | 0.005%  |
| 38 | 6.330  | 723  | 726  | 733  | rVB2 | 137    | 256    | 0.04%   | 0.007%  |
| 39 | 6.592  | 767  | 769  | 770  | rBV  | 192    | 135    | 0.02%   | 0.004%  |
| 40 | 6.836  | 804  | 809  | 812  | rBV2 | 89     | 134    | 0.02%   | 0.004%  |
| 41 | 6.994  | 833  | 835  | 840  | rVB2 | 93     | 105    | 0.02%   | 0.003%  |
| 42 | 7.086  | 840  | 850  | 857  | rBV  | 9692   | 29417  | 4.49%   | 0.814%  |
| 43 | 7.537  | 921  | 924  | 925  | rBV2 | 106    | 117    | 0.02%   | 0.003%  |
| 44 | 7.653  | 933  | 943  | 958  | rVV  | 128452 | 313734 | 47.89%  | 8.682%  |
| 45 | 8.281  | 1036 | 1046 | 1060 | rBV2 | 216791 | 655072 | 100.00% | 18.129% |
| 46 | 8.701  | 1111 | 1115 | 1120 | rVB2 | 216    | 340    | 0.05%   | 0.009%  |
| 47 | 8.848  | 1130 | 1139 | 1153 | rVV  | 191335 | 383758 | 58.58%  | 10.620% |
| 48 | 8.963  | 1156 | 1158 | 1162 | rVV2 | 180    | 226    | 0.03%   | 0.006%  |
| 49 | 9.043  | 1166 | 1171 | 1174 | rBV3 | 887    | 1651   | 0.25%   | 0.046%  |
| 50 | 9.079  | 1174 | 1177 | 1184 | rVB4 | 654    | 1176   | 0.18%   | 0.033%  |
| 51 | 9.152  | 1187 | 1189 | 1190 | rVB2 | 158    | 105    | 0.02%   | 0.003%  |
| 52 | 9.165  | 1190 | 1191 | 1196 | rBV  | 143    | 136    | 0.02%   | 0.004%  |
| 53 | 9.219  | 1198 | 1200 | 1201 | rBV2 | 179    | 177    | 0.03%   | 0.005%  |
| 54 | 9.274  | 1201 | 1209 | 1227 | rVV  | 176149 | 356643 | 54.44%  | 9.870%  |
| 55 | 9.433  | 1234 | 1235 | 1237 | rBV  | 139    | 105    | 0.02%   | 0.003%  |
| 56 | 9.482  | 1240 | 1243 | 1245 | rBV  | 129    | 119    | 0.02%   | 0.003%  |
| 57 | 9.573  | 1257 | 1258 | 1261 | rBV  | 166    | 127    | 0.02%   | 0.004%  |
| 58 | 9.671  | 1268 | 1274 | 1278 | rBV4 | 407    | 849    | 0.13%   | 0.023%  |
| 59 | 9.719  | 1280 | 1282 | 1285 | rBV  | 151    | 146    | 0.02%   | 0.004%  |
| 60 | 9.841  | 1301 | 1302 | 1305 | rBV  | 148    | 133    | 0.02%   | 0.004%  |
| 61 | 9.896  | 1309 | 1311 | 1314 | rVB3 | 218    | 171    | 0.03%   | 0.005%  |
| 62 | 9.939  | 1314 | 1318 | 1323 | rBV3 | 106    | 188    | 0.03%   | 0.005%  |
| 63 | 10.036 | 1326 | 1334 | 1343 | rBV  | 50836  | 90793  | 13.86%  | 2.513%  |
| 64 | 10.103 | 1343 | 1345 | 1347 | rBV3 | 195    | 206    | 0.03%   | 0.006%  |
| 65 | 10.128 | 1347 | 1349 | 1352 | rVB3 | 261    | 295    | 0.05%   | 0.008%  |
| 66 | 10.195 | 1357 | 1360 | 1363 | rBV4 | 389    | 460    | 0.07%   | 0.013%  |
| 67 | 10.231 | 1364 | 1366 | 1368 | rBV3 | 226    | 176    | 0.03%   | 0.005%  |
| 68 | 10.323 | 1373 | 1381 | 1388 | rBV  | 228609 | 403811 | 61.64%  | 11.175% |
| 69 | 10.390 | 1388 | 1392 | 1399 | rVB3 | 4928   | 9154   | 1.40%   | 0.253%  |
| 70 | 10.445 | 1399 | 1401 | 1404 | rBV4 | 447    | 461    | 0.07%   | 0.013%  |
| 71 | 10.512 | 1410 | 1412 | 1415 | rBV4 | 526    | 506    | 0.08%   | 0.014%  |
| 72 | 10.579 | 1415 | 1423 | 1430 | rVV  | 30900  | 53805  | 8.21%   | 1.489%  |
| 73 | 10.634 | 1430 | 1432 | 1435 | rVV3 | 312    | 392    | 0.06%   | 0.011%  |
| 74 | 10.707 | 1438 | 1444 | 1450 | rVV2 | 3015   | 6003   | 0.92%   | 0.166%  |
| 75 | 10.835 | 1464 | 1465 | 1467 | rBV2 | 502    | 348    | 0.05%   | 0.010%  |
| 76 | 10.926 | 1474 | 1480 | 1493 | rBV2 | 42364  | 87611  | 13.37%  | 2.425%  |

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 MSVOA\_W  
 ClientSampleId :  
 JDGF8RE

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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.341 | 1547 | 1548 | 1551 | rBV3 | 744    | 703    | 0.11%  | 0.019% |
| 78  | 11.634 | 1589 | 1596 | 1605 | rVB  | 191249 | 322489 | 49.23% | 8.925% |
| 79  | 12.609 | 1751 | 1756 | 1760 | rBV2 | 6409   | 14563  | 2.22%  | 0.403% |
| 80  | 12.694 | 1764 | 1770 | 1777 | rVB  | 92299  | 160282 | 24.47% | 4.436% |
| 81  | 13.554 | 1906 | 1911 | 1917 | rBV  | 88285  | 148170 | 22.62% | 4.101% |
| 82  | 13.853 | 1954 | 1960 | 1966 | rBV  | 82950  | 135619 | 20.70% | 3.753% |
| 83  | 14.066 | 1991 | 1995 | 2009 | rVB  | 13338  | 34585  | 5.28%  | 0.957% |
| 84  | 15.090 | 2161 | 2163 | 2166 | rBV4 | 559    | 741    | 0.11%  | 0.021% |
| 85  | 15.432 | 2211 | 2219 | 2224 | rBV2 | 6414   | 13071  | 2.00%  | 0.362% |
| 86  | 15.487 | 2224 | 2228 | 2234 | rVB  | 2900   | 4855   | 0.74%  | 0.134% |
| 87  | 15.566 | 2239 | 2241 | 2242 | rBV2 | 554    | 289    | 0.04%  | 0.008% |
| 88  | 15.956 | 2301 | 2305 | 2310 | rVV5 | 375    | 777    | 0.12%  | 0.022% |
| 89  | 16.029 | 2314 | 2317 | 2322 | rBV5 | 352    | 475    | 0.07%  | 0.013% |
| 90  | 16.078 | 2322 | 2325 | 2326 | rBV2 | 287    | 317    | 0.05%  | 0.009% |
| 91  | 16.127 | 2331 | 2333 | 2334 | rVB  | 193    | 111    | 0.02%  | 0.003% |
| 92  | 16.218 | 2346 | 2348 | 2351 | rBV3 | 175    | 248    | 0.04%  | 0.007% |
| 93  | 16.279 | 2356 | 2358 | 2362 | rVB4 | 207    | 206    | 0.03%  | 0.006% |
| 94  | 16.383 | 2373 | 2375 | 2378 | rVB3 | 331    | 335    | 0.05%  | 0.009% |
| 95  | 16.432 | 2378 | 2383 | 2387 | rVB4 | 317    | 730    | 0.11%  | 0.020% |
| 96  | 16.462 | 2387 | 2388 | 2390 | rBV2 | 226    | 201    | 0.03%  | 0.006% |
| 97  | 16.590 | 2407 | 2409 | 2411 | rBV  | 205    | 243    | 0.04%  | 0.007% |
| 98  | 16.608 | 2411 | 2412 | 2413 | rVV  | 267    | 113    | 0.02%  | 0.003% |
| 99  | 16.633 | 2413 | 2416 | 2419 | rVV3 | 216    | 243    | 0.04%  | 0.007% |
| 100 | 16.749 | 2433 | 2435 | 2440 | rVB2 | 234    | 281    | 0.04%  | 0.008% |

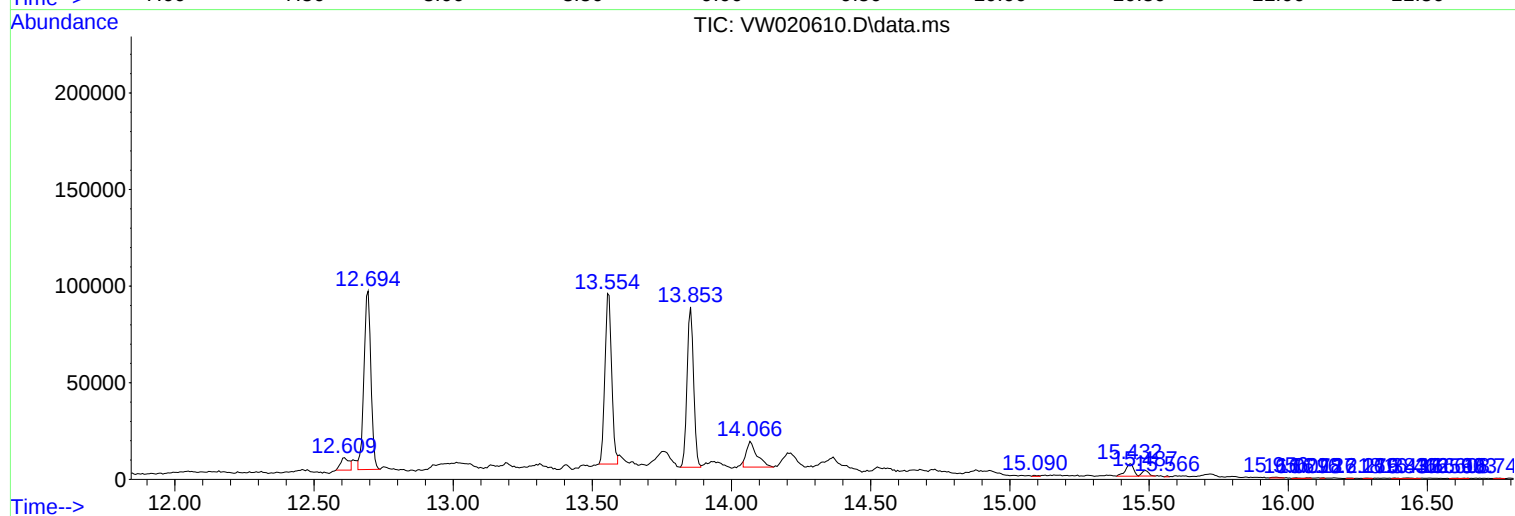
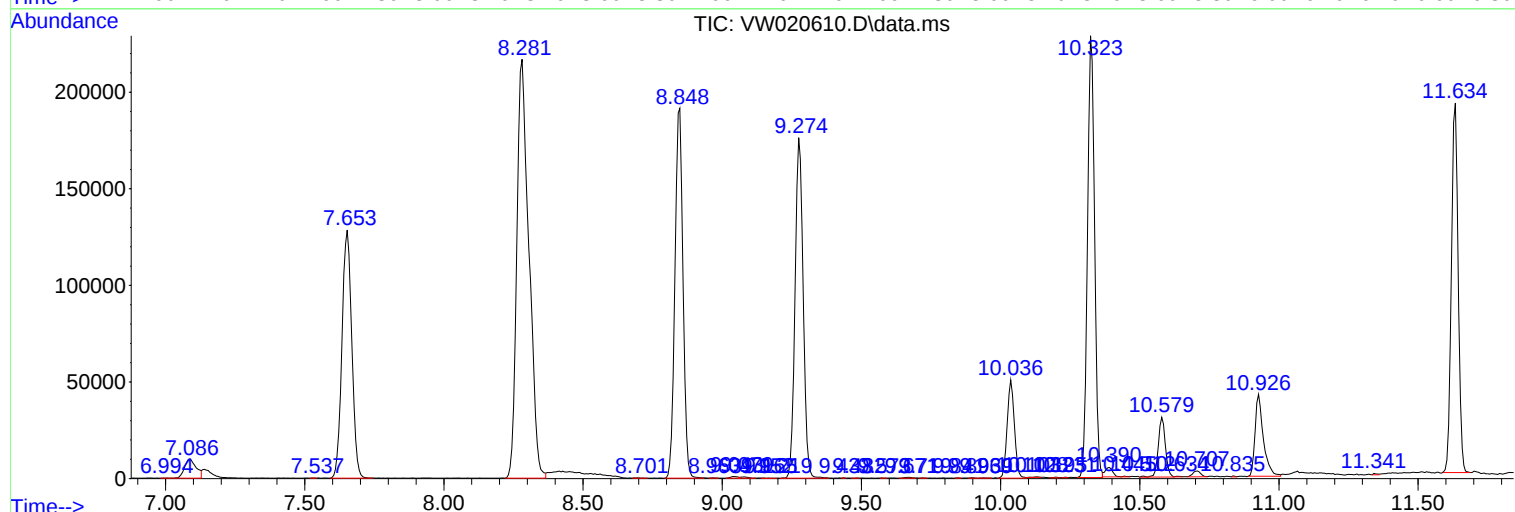
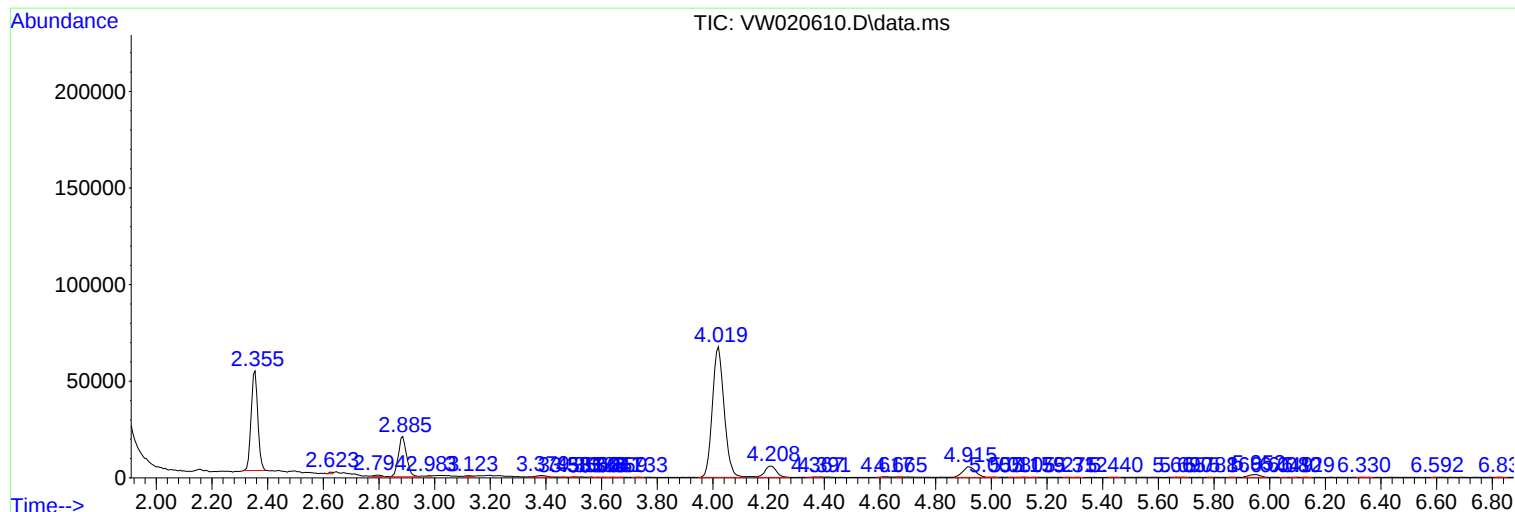
Sum of corrected areas: 3613446

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0

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



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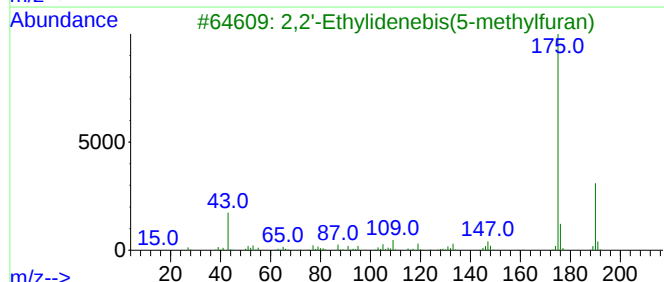
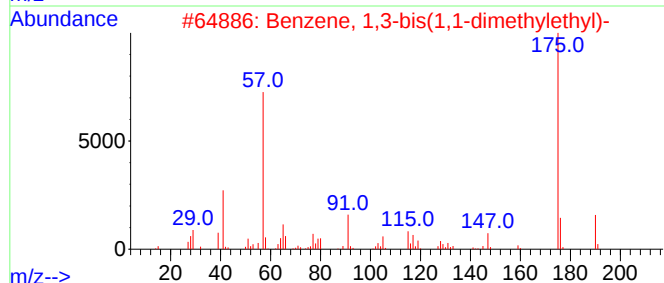
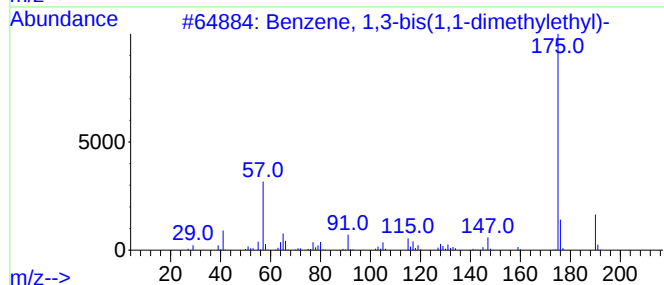
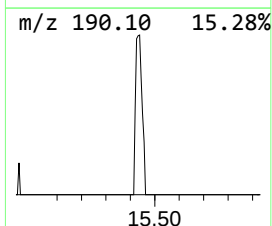
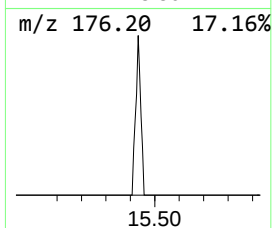
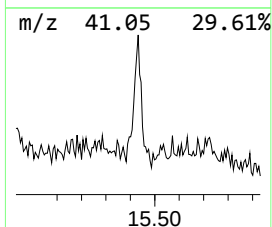
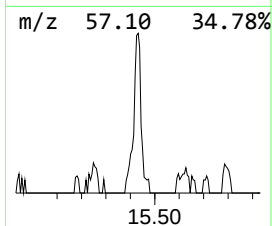
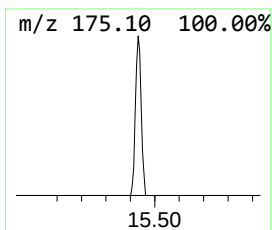
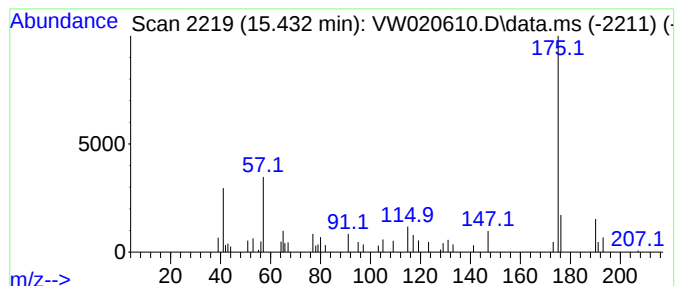
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.432 | 2.21 ug/L | 13071 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 83   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 74   |
| 3    |    |   | 2,2'-Ethylidenebis(5-methylfuran)   | 190 | C12H14O2 | 003209-79-8 | 72   |
| 4    |    |   | Benzenepropanal, 4-(1,1-dimethyl... | 190 | C13H18O  | 018127-01-0 | 72   |
| 5    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 64   |



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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 |
| Benzene, 1,3-bi... | 15.432 | 2.2     | ug/L  | 13071    | 3                     | 13.560 | 148170 | 25.0 |