

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
 Data File : VW020102.D  
 Acq On : 21 Sep 2021 19:28  
 Operator : SY/VA  
 Sample : M3813-14  
 Misc : 4.52g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB6T8

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\SFAMWLM092121SMA.M  
 Title : SFAM01.0

Signal : TIC: VW020102.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         | 2.002       | 12            | 16          | 25           | rVB      | 9609           | 21244         | 1.42%           | 0.146%        |
| 2         | 2.160       | 35            | 42          | 46           | rBV      | 142084         | 364989        | 24.37%          | 2.513%        |
| 3         | 2.361       | 70            | 75          | 87           | rVB      | 120785         | 246483        | 16.46%          | 1.697%        |
| 4         | 2.898       | 157           | 163         | 178          | rVB      | 91091          | 237755        | 15.87%          | 1.637%        |
| 5         | 3.312       | 227           | 231         | 234          | rVB5     | 474            | 734           | 0.05%           | 0.005%        |
| 6         | 3.392       | 237           | 244         | 253          | rVV2     | 6235           | 15202         | 1.01%           | 0.105%        |
| 7         | 3.532       | 261           | 267         | 273          | rBV5     | 506            | 1255          | 0.08%           | 0.009%        |
| 8         | 3.727       | 291           | 299         | 311          | rVB4     | 1459           | 4477          | 0.30%           | 0.031%        |
| 9         | 3.904       | 326           | 328         | 331          | rVV3     | 668            | 767           | 0.05%           | 0.005%        |
| 10        | 4.026       | 334           | 348         | 359          | rVV3     | 176902         | 623737        | 41.64%          | 4.294%        |
| 11        | 4.123       | 360           | 364         | 377          | rVB      | 21528          | 57442         | 3.83%           | 0.395%        |
| 12        | 4.397       | 398           | 409         | 419          | rBV      | 13281          | 40712         | 2.72%           | 0.280%        |
| 13        | 4.684       | 449           | 456         | 463          | rBV2     | 1526           | 4089          | 0.27%           | 0.028%        |
| 14        | 4.922       | 483           | 495         | 513          | rVB2     | 20181          | 71161         | 4.75%           | 0.490%        |
| 15        | 5.123       | 518           | 528         | 529          | rBV2     | 1922           | 3447          | 0.23%           | 0.024%        |
| 16        | 5.373       | 563           | 569         | 574          | rBV2     | 658            | 1547          | 0.10%           | 0.011%        |
| 17        | 5.794       | 628           | 638         | 651          | rBV3     | 5878           | 19177         | 1.28%           | 0.132%        |
| 18        | 5.946       | 651           | 663         | 674          | rBV3     | 9643           | 27437         | 1.83%           | 0.189%        |
| 19        | 6.111       | 684           | 690         | 698          | rVV4     | 1365           | 3382          | 0.23%           | 0.023%        |
| 20        | 6.610       | 770           | 772         | 775          | rVB3     | 494            | 559           | 0.04%           | 0.004%        |
| 21        | 6.897       | 810           | 819         | 832          | rBV2     | 25944          | 74130         | 4.95%           | 0.510%        |
| 22        | 6.988       | 832           | 834         | 839          | rVB5     | 565            | 805           | 0.05%           | 0.006%        |
| 23        | 7.080       | 840           | 849         | 862          | rBV      | 47907          | 138624        | 9.25%           | 0.954%        |
| 24        | 7.275       | 879           | 881         | 886          | rVB3     | 361            | 402           | 0.03%           | 0.003%        |
| 25        | 7.653       | 932           | 943         | 957          | rBV      | 259041         | 636548        | 42.50%          | 4.383%        |
| 26        | 7.891       | 975           | 982         | 985          | rBV3     | 419            | 839           | 0.06%           | 0.006%        |
| 27        | 7.958       | 985           | 993         | 1007         | rVB5     | 4348           | 12548         | 0.84%           | 0.086%        |
| 28        | 8.281       | 1031          | 1046        | 1063         | rBV2     | 501915         | 1497885       | 100.00%         | 10.313%       |
| 29        | 8.555       | 1081          | 1091        | 1099         | rVV3     | 11663          | 27401         | 1.83%           | 0.189%        |
| 30        | 8.708       | 1108          | 1116        | 1127         | rBV      | 16946          | 38956         | 2.60%           | 0.268%        |
| 31        | 8.848       | 1130          | 1139        | 1153         | rVV      | 494860         | 988755        | 66.01%          | 6.808%        |
| 32        | 9.049       | 1166          | 1172        | 1181         | rVB2     | 10557          | 21836         | 1.46%           | 0.150%        |
| 33        | 9.153       | 1185          | 1189        | 1196         | rVB5     | 1167           | 2394          | 0.16%           | 0.016%        |
| 34        | 9.275       | 1200          | 1209        | 1224         | rBV      | 342176         | 700818        | 46.79%          | 4.825%        |
| 35        | 9.409       | 1224          | 1231        | 1240         | rBV      | 100767         | 183934        | 12.28%          | 1.266%        |
| 36        | 9.604       | 1260          | 1263        | 1264         | rBV2     | 394            | 407           | 0.03%           | 0.003%        |

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 ClientSampleId :  
 GB6T8

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\SFAMWLM092121SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 9.665  | 1268 | 1273 | 1278 | rBV2 | 631    | 1048    | 0.07%  | 0.007% |
| 38 | 9.921  | 1311 | 1315 | 1318 | rBV3 | 424    | 677     | 0.05%  | 0.005% |
| 39 | 10.037 | 1326 | 1334 | 1344 | rBV  | 184845 | 336328  | 22.45% | 2.316% |
| 40 | 10.207 | 1357 | 1362 | 1365 | rBV2 | 286    | 438     | 0.03%  | 0.003% |
| 41 | 10.323 | 1372 | 1381 | 1388 | rBV  | 704627 | 1253363 | 83.68% | 8.629% |
| 42 | 10.390 | 1388 | 1392 | 1403 | rVB  | 49011  | 85309   | 5.70%  | 0.587% |
| 43 | 10.506 | 1406 | 1411 | 1416 | rVB4 | 3109   | 4496    | 0.30%  | 0.031% |
| 44 | 10.579 | 1416 | 1423 | 1430 | rBV  | 128413 | 230539  | 15.39% | 1.587% |
| 45 | 10.707 | 1437 | 1444 | 1459 | rVB2 | 27531  | 54658   | 3.65%  | 0.376% |
| 46 | 10.841 | 1462 | 1466 | 1468 | rBV2 | 377    | 468     | 0.03%  | 0.003% |
| 47 | 10.866 | 1468 | 1470 | 1473 | rVB2 | 415    | 403     | 0.03%  | 0.003% |
| 48 | 10.927 | 1473 | 1480 | 1496 | rBV  | 195885 | 329181  | 21.98% | 2.266% |
| 49 | 11.073 | 1496 | 1504 | 1515 | rBV  | 800507 | 1271658 | 84.90% | 8.755% |
| 50 | 11.335 | 1542 | 1547 | 1550 | rBV5 | 363    | 654     | 0.04%  | 0.005% |
| 51 | 11.421 | 1555 | 1561 | 1566 | rBV3 | 1804   | 3458    | 0.23%  | 0.024% |
| 52 | 11.567 | 1582 | 1585 | 1588 | rBV4 | 1766   | 2468    | 0.16%  | 0.017% |
| 53 | 11.634 | 1588 | 1596 | 1605 | rVB  | 732923 | 1207095 | 80.59% | 8.311% |
| 54 | 11.805 | 1620 | 1624 | 1626 | rBV3 | 1447   | 1749    | 0.12%  | 0.012% |
| 55 | 11.841 | 1626 | 1630 | 1641 | rVB9 | 3498   | 7335    | 0.49%  | 0.051% |
| 56 | 11.945 | 1641 | 1647 | 1656 | rBV4 | 8358   | 14291   | 0.95%  | 0.098% |
| 57 | 12.018 | 1656 | 1659 | 1664 | rVB5 | 986    | 1662    | 0.11%  | 0.011% |
| 58 | 12.103 | 1667 | 1673 | 1679 | rVB5 | 1901   | 4397    | 0.29%  | 0.030% |
| 59 | 12.170 | 1679 | 1684 | 1686 | rBV4 | 607    | 1066    | 0.07%  | 0.007% |
| 60 | 12.237 | 1690 | 1695 | 1701 | rVB2 | 1714   | 2733    | 0.18%  | 0.019% |
| 61 | 12.341 | 1704 | 1712 | 1729 | rBV  | 256467 | 407974  | 27.24% | 2.809% |
| 62 | 12.506 | 1737 | 1739 | 1745 | rVB5 | 1112   | 2047    | 0.14%  | 0.014% |
| 63 | 12.609 | 1745 | 1756 | 1762 | rBV2 | 47813  | 86333   | 5.76%  | 0.594% |
| 64 | 12.695 | 1762 | 1770 | 1777 | rBV  | 294865 | 489946  | 32.71% | 3.373% |
| 65 | 12.817 | 1786 | 1790 | 1795 | rVB4 | 1108   | 1828    | 0.12%  | 0.013% |
| 66 | 12.859 | 1795 | 1797 | 1800 | rBV3 | 995    | 1235    | 0.08%  | 0.009% |
| 67 | 12.932 | 1800 | 1809 | 1817 | rVV  | 15051  | 28930   | 1.93%  | 0.199% |
| 68 | 13.048 | 1822 | 1828 | 1832 | rBV4 | 7265   | 11811   | 0.79%  | 0.081% |
| 69 | 13.097 | 1832 | 1836 | 1841 | rVV4 | 7675   | 11365   | 0.76%  | 0.078% |
| 70 | 13.152 | 1841 | 1845 | 1849 | rBV4 | 3494   | 4892    | 0.33%  | 0.034% |
| 71 | 13.274 | 1856 | 1865 | 1878 | rVB  | 35923  | 68280   | 4.56%  | 0.470% |
| 72 | 13.396 | 1878 | 1885 | 1893 | rBV  | 55243  | 88787   | 5.93%  | 0.611% |
| 73 | 13.560 | 1904 | 1912 | 1919 | rBV  | 703532 | 1141912 | 76.23% | 7.862% |
| 74 | 13.646 | 1923 | 1926 | 1935 | rVB  | 16443  | 26861   | 1.79%  | 0.185% |
| 75 | 13.774 | 1940 | 1947 | 1949 | rBV5 | 1366   | 2954    | 0.20%  | 0.020% |
| 76 | 13.853 | 1952 | 1960 | 1979 | rVB  | 615372 | 1011043 | 67.50% | 6.961% |

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 GB6T8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Min Area: 0 % of largest Peak

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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\SFAMWLM092121SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.018 | 1983 | 1987 | 1990 | rBV3 | 3439  | 4813  | 0.32% | 0.033% |
| 78  | 14.073 | 1990 | 1996 | 2006 | rVB  | 56620 | 92913 | 6.20% | 0.640% |
| 79  | 14.322 | 2031 | 2037 | 2046 | rBV  | 31116 | 50630 | 3.38% | 0.349% |
| 80  | 14.487 | 2060 | 2064 | 2066 | rBV3 | 1143  | 1770  | 0.12% | 0.012% |
| 81  | 14.627 | 2082 | 2087 | 2090 | rBV6 | 1275  | 2029  | 0.14% | 0.014% |
| 82  | 14.670 | 2090 | 2094 | 2098 | rVV4 | 1261  | 1971  | 0.13% | 0.014% |
| 83  | 14.713 | 2099 | 2101 | 2107 | rVB5 | 927   | 1469  | 0.10% | 0.010% |
| 84  | 14.780 | 2109 | 2112 | 2113 | rBV3 | 412   | 458   | 0.03% | 0.003% |
| 85  | 14.798 | 2113 | 2115 | 2122 | rVB4 | 1574  | 2463  | 0.16% | 0.017% |
| 86  | 14.877 | 2123 | 2128 | 2133 | rBV6 | 1565  | 3070  | 0.20% | 0.021% |
| 87  | 14.950 | 2133 | 2140 | 2146 | rBV2 | 20803 | 35403 | 2.36% | 0.244% |
| 88  | 15.066 | 2156 | 2159 | 2166 | rVB6 | 2059  | 3244  | 0.22% | 0.022% |
| 89  | 15.176 | 2172 | 2177 | 2183 | rVV4 | 6792  | 10871 | 0.73% | 0.075% |
| 90  | 15.237 | 2185 | 2187 | 2188 | rVB2 | 616   | 408   | 0.03% | 0.003% |
| 91  | 15.383 | 2207 | 2211 | 2220 | rVB8 | 2312  | 5089  | 0.34% | 0.035% |
| 92  | 15.487 | 2223 | 2228 | 2237 | rVV2 | 4769  | 10282 | 0.69% | 0.071% |
| 93  | 15.719 | 2263 | 2266 | 2268 | rBV2 | 722   | 815   | 0.05% | 0.006% |
| 94  | 15.792 | 2274 | 2278 | 2282 | rVB4 | 1445  | 2430  | 0.16% | 0.017% |
| 95  | 15.847 | 2282 | 2287 | 2296 | rVB6 | 5026  | 10376 | 0.69% | 0.071% |
| 96  | 15.956 | 2300 | 2305 | 2306 | rBV4 | 2514  | 3862  | 0.26% | 0.027% |
| 97  | 16.042 | 2316 | 2319 | 2321 | rBV3 | 364   | 423   | 0.03% | 0.003% |
| 98  | 16.090 | 2323 | 2327 | 2333 | rBV6 | 2160  | 3372  | 0.23% | 0.023% |
| 99  | 16.322 | 2359 | 2365 | 2369 | rVV6 | 936   | 2093  | 0.14% | 0.014% |
| 100 | 16.761 | 2435 | 2437 | 2441 | rVB3 | 541   | 582   | 0.04% | 0.004% |

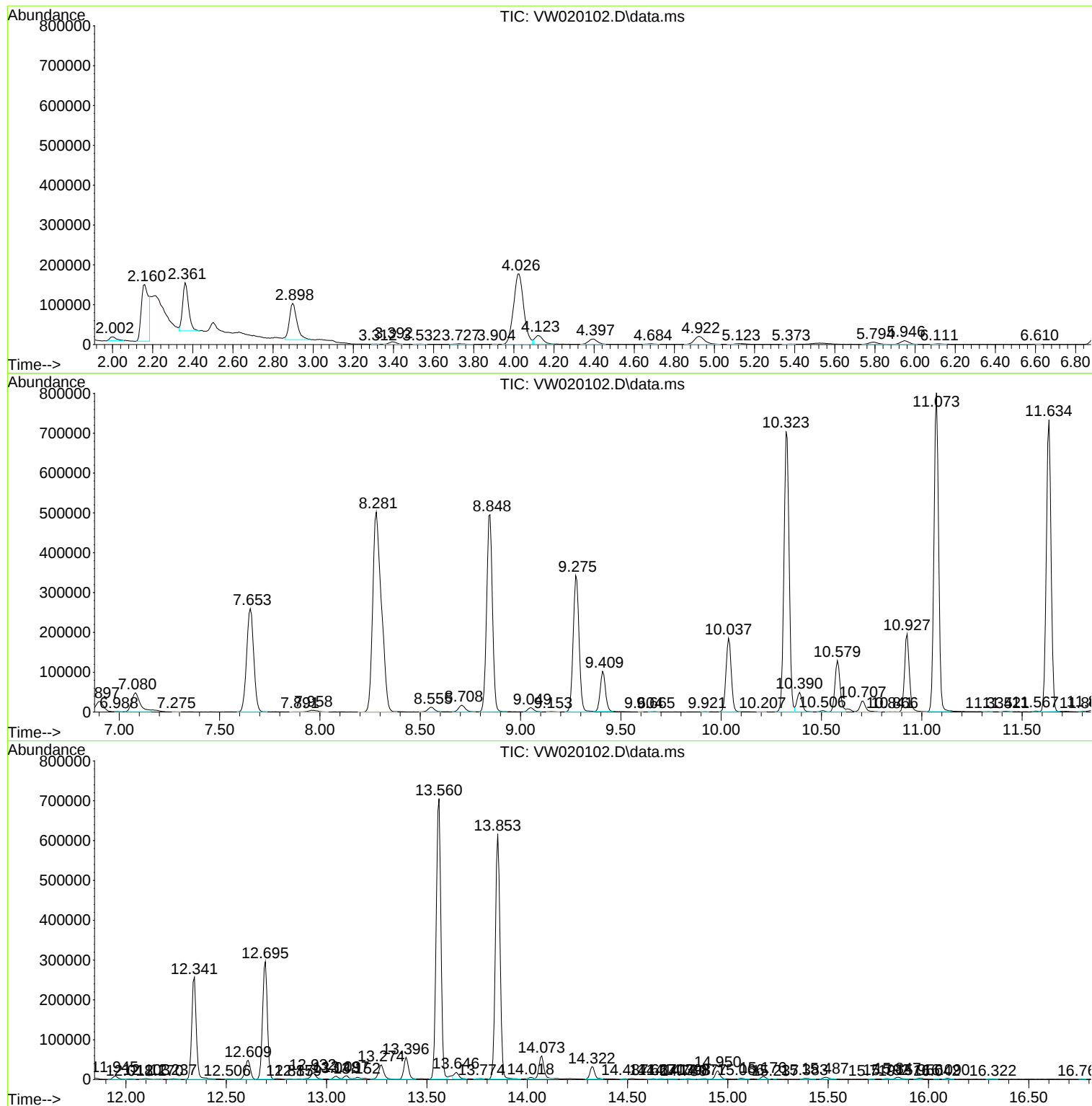
Sum of corrected areas: 14524386

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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GB6T8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
Quant Title : SFAM01.0

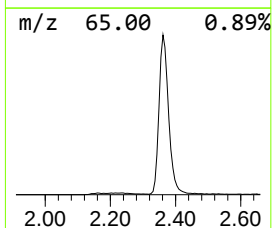
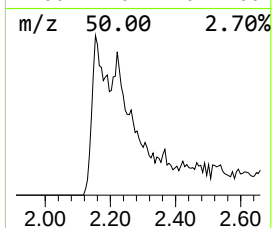
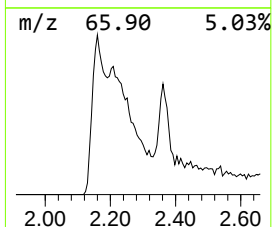
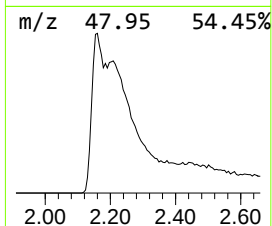
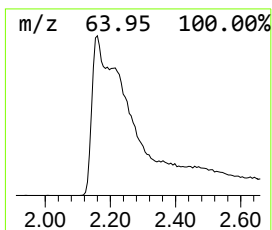
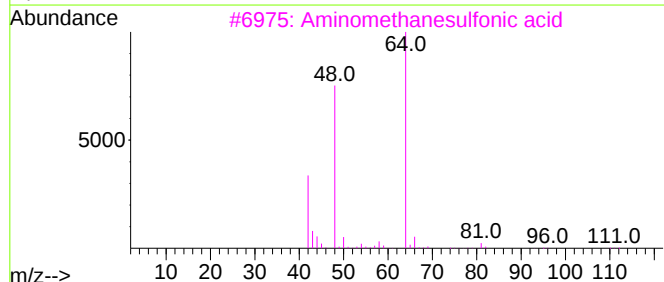
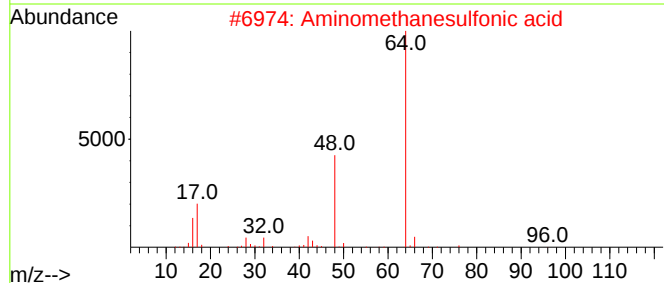
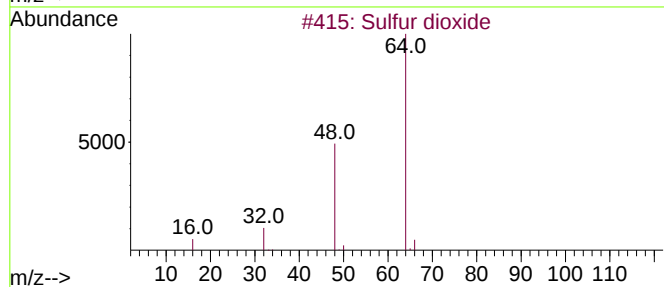
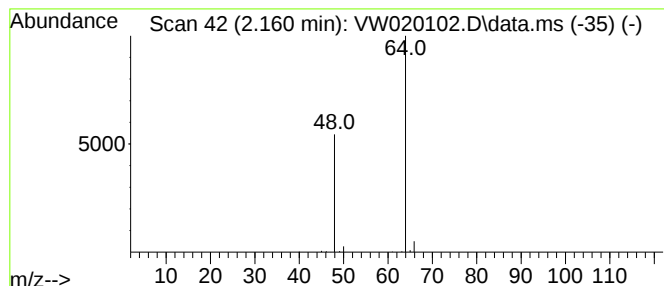
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 2.160 | 9.23 ug/L | 364989 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 25   |
| 4    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |



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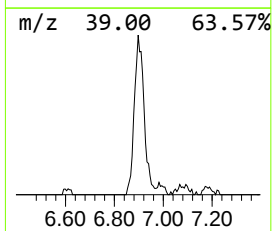
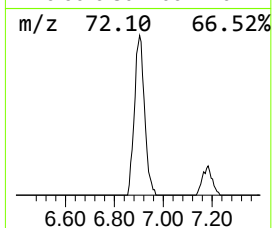
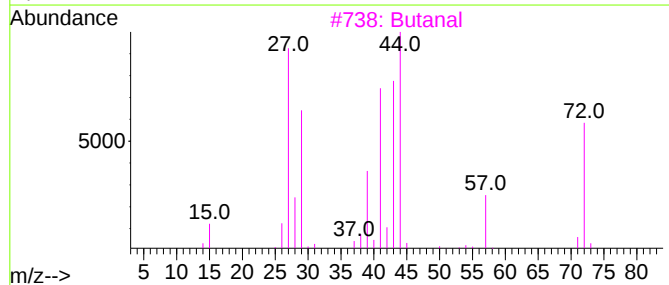
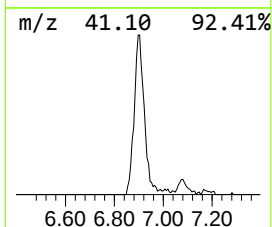
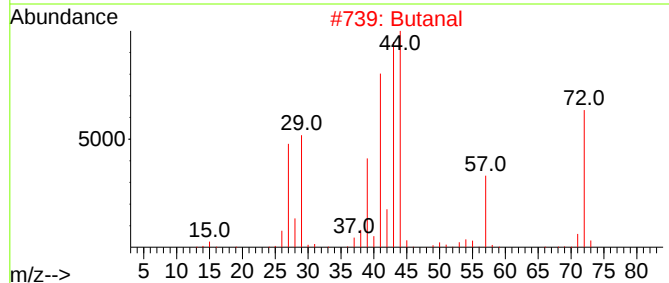
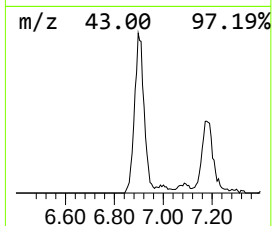
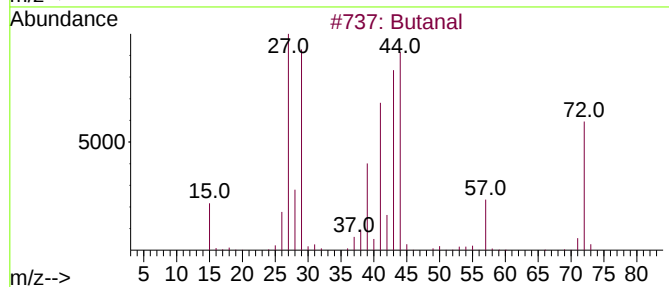
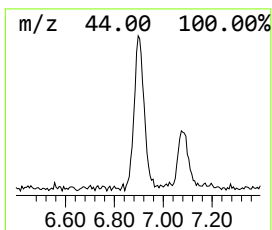
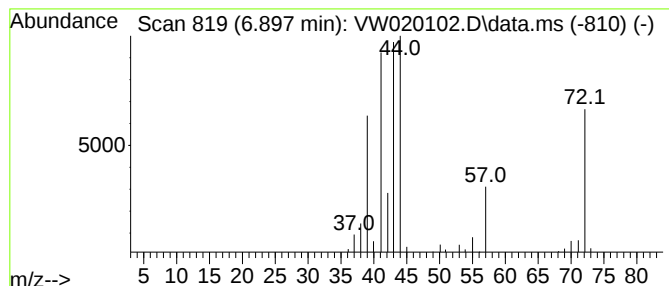
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 2 Butanal Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.897 | 1.87 ug/L | 74130 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 91   |
| 2    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 72   |
| 3    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 52   |
| 4    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 49   |
| 5    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
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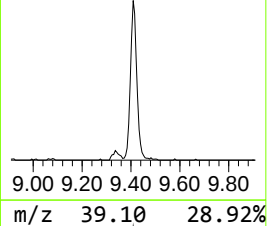
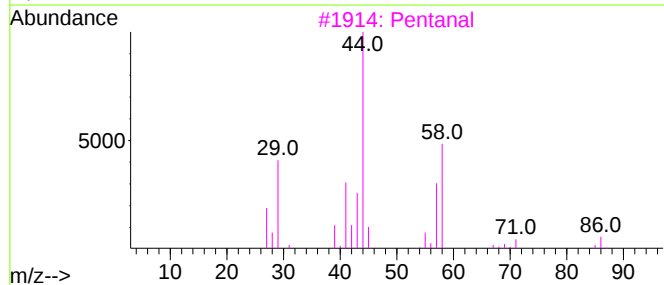
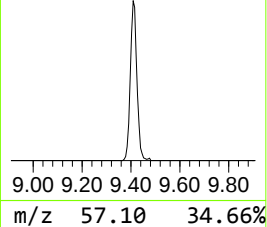
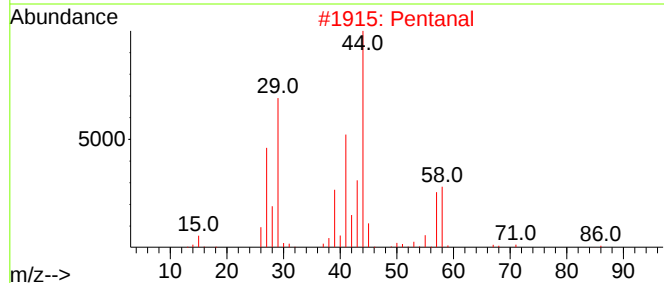
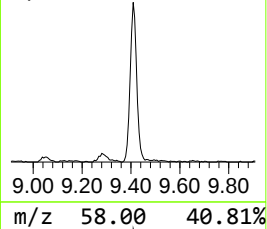
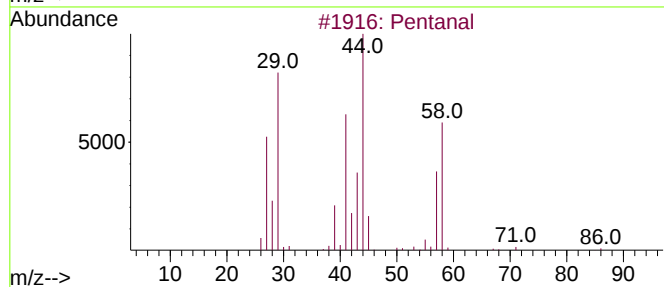
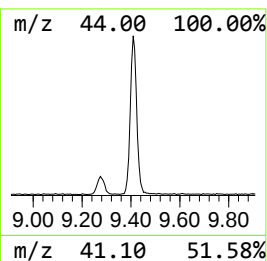
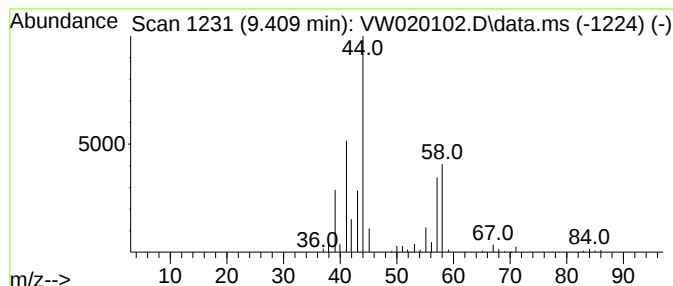
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Pentanal Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.409 | 4.65 ug/L | 183934 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of                 | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 86   |
| 2    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 72   |
| 3    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 64   |
| 4    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 64   |
| 5    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

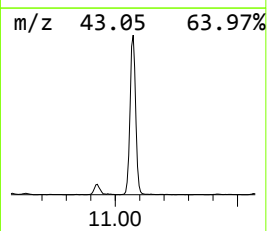
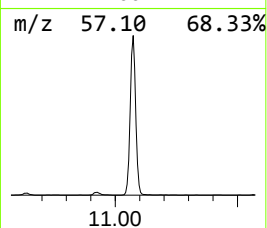
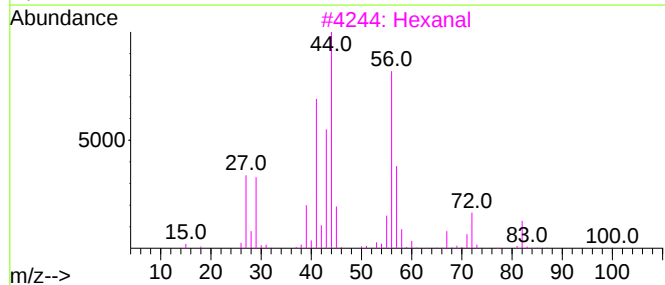
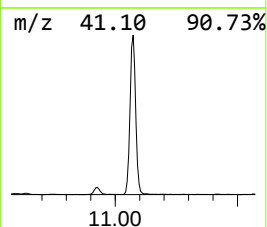
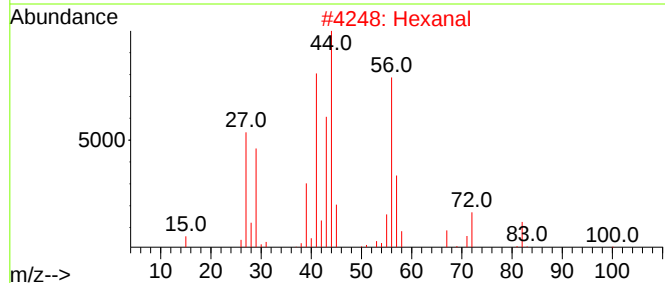
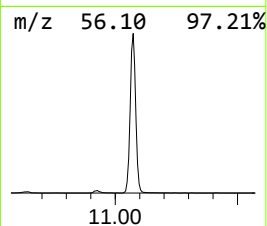
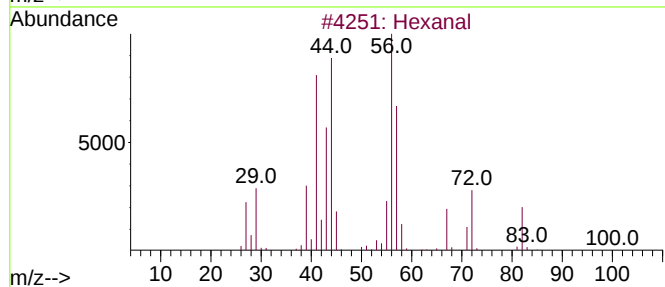
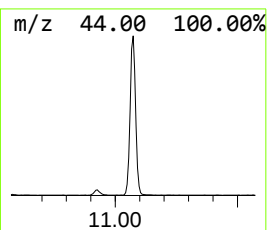
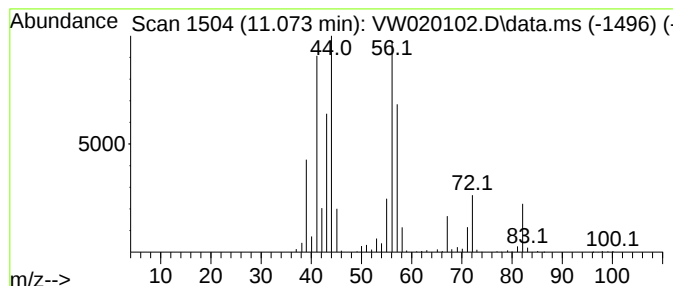
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Quant Title : SFAM01.0

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

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Peak Number 5 Hexanal Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 11.073 | 26.34 ug/L | 1271660 | Chlorobenzene-d5 | 11.634 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 94   |
| 2    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 81   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 81   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 64   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

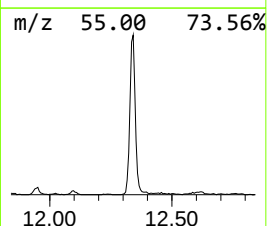
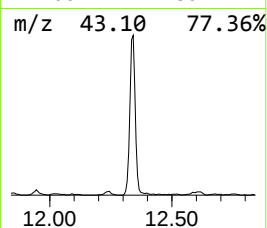
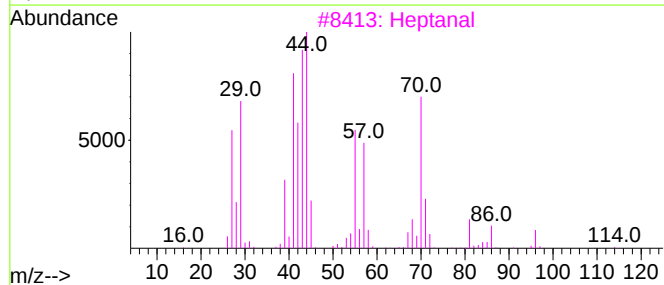
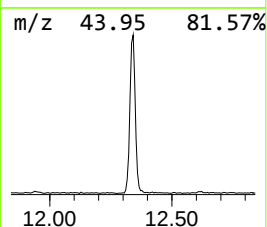
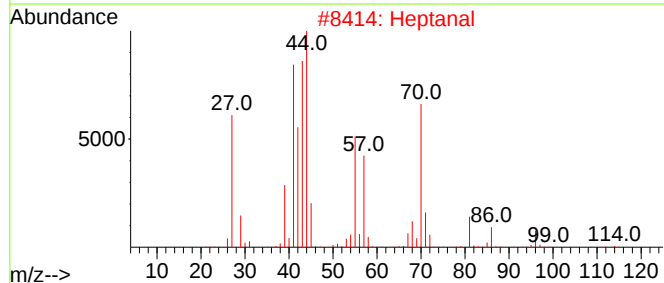
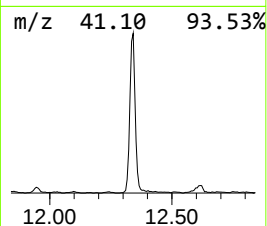
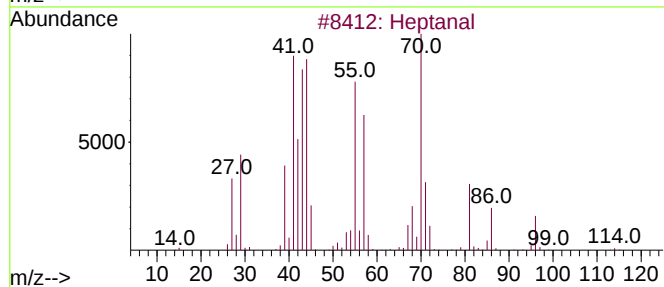
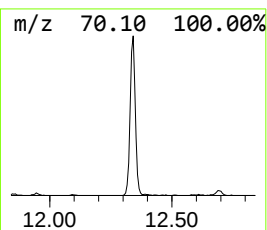
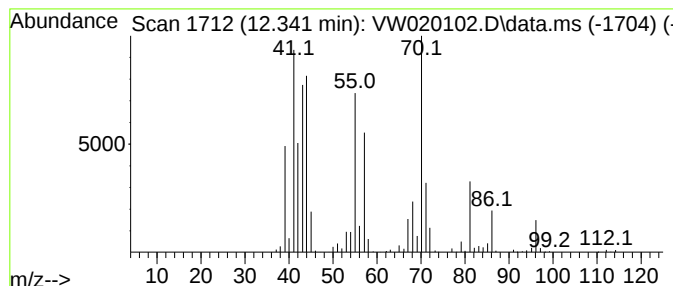
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Quant Title : SFAM01.0

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

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Peak Number 6 Heptanal Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 12.341 | 8.45 ug/L | 407974 | Chlorobenzene-d5 | 11.634 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptanal                            | 114 | C7H14O  | 000111-71-7 | 98   |
| 2    |    |   | Heptanal                            | 114 | C7H14O  | 000111-71-7 | 94   |
| 3    |    |   | Heptanal                            | 114 | C7H14O  | 000111-71-7 | 93   |
| 4    |    |   | Heptanal                            | 114 | C7H14O  | 000111-71-7 | 76   |
| 5    |    |   | Cyclopropane, 1,2-dimethyl-, trans- | 70  | C5H10   | 002402-06-4 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

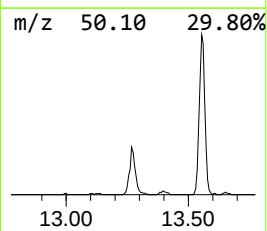
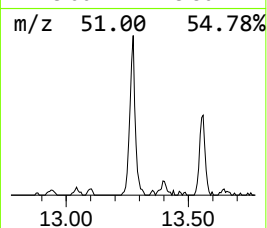
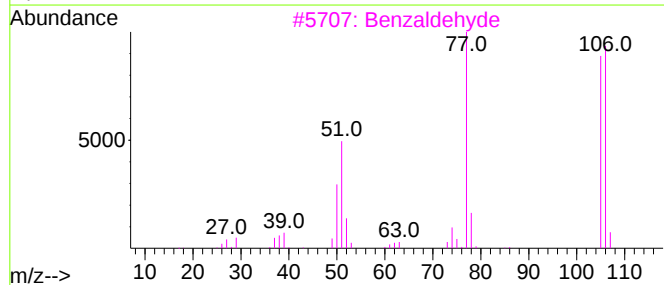
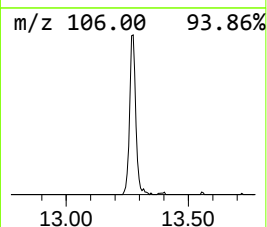
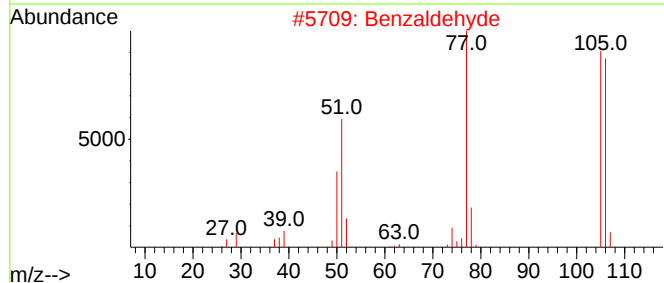
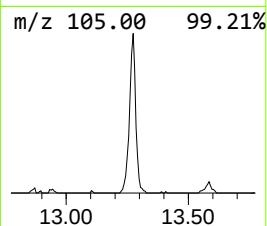
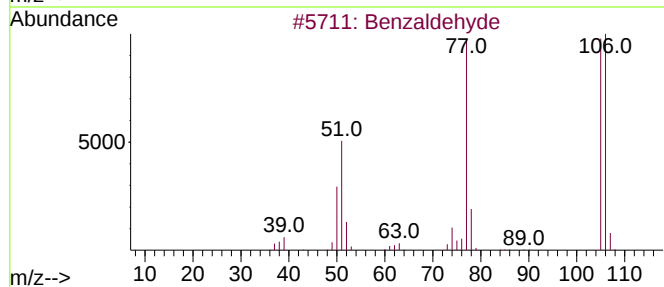
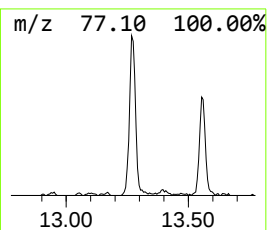
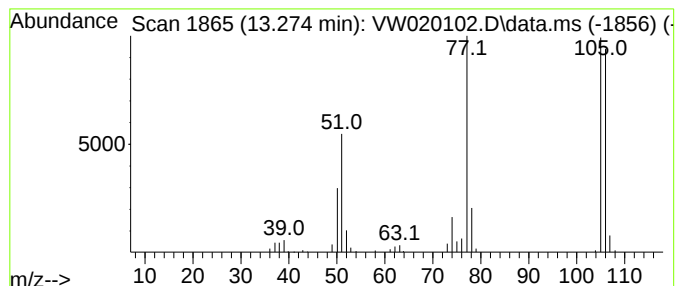
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Quant Title : SFAM01.0

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

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Peak Number 8 Benzaldehyde Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.274 | 1.49 ug/L | 68280 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 97   |
| 2    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 95   |
| 3    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 93   |
| 4    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 91   |
| 5    |    |   | Benzaldehyde | 106 | C7H6O   | 000100-52-7 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

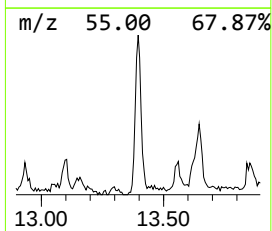
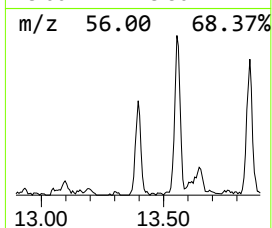
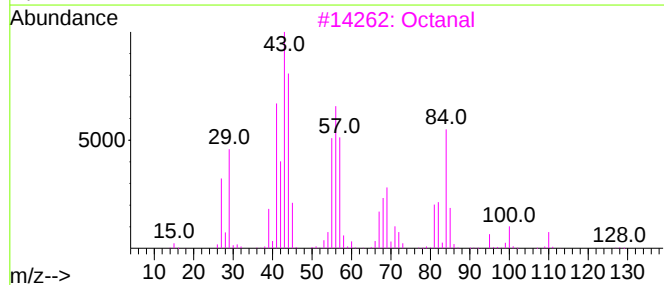
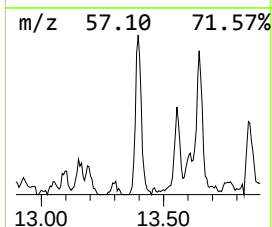
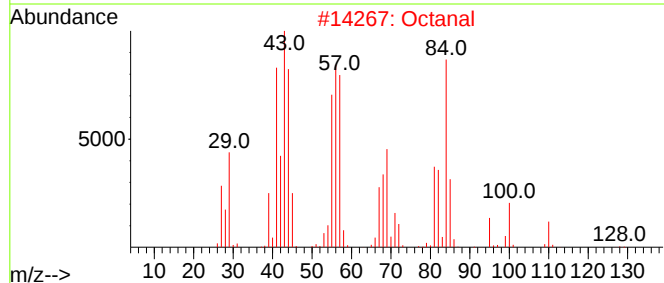
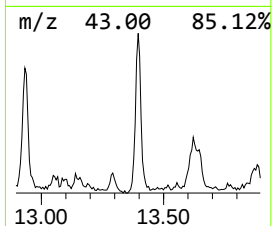
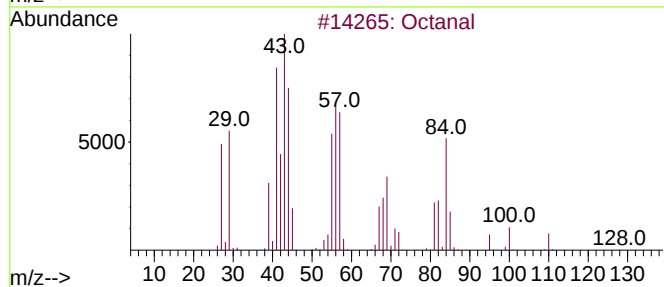
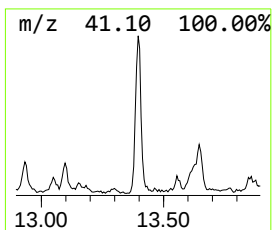
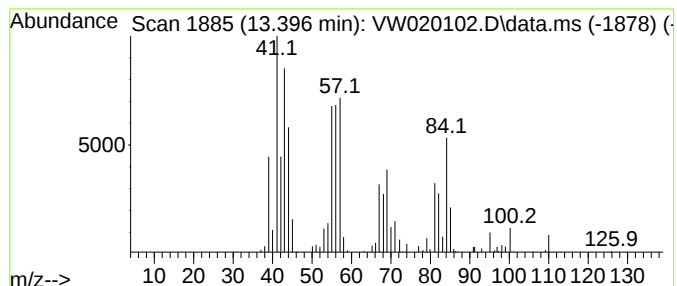
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Quant Title : SFAM01.0

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

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Peak Number 9 Octanal Concentration Rank 7

| R.T.      | EstConc              | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|----------------------|-------|------------------------|---------|-------------|------|
| 13.396    | 1.94 ug/L            | 88787 | 1,4-Dichlorobenzene-d4 |         | 13.560      |      |
| Hit# of 5 | Tentative ID         |       | MW                     | MolForm | CAS#        | Qual |
| 1         | Octanal              |       | 128                    | C8H16O  | 000124-13-0 | 90   |
| 2         | Octanal              |       | 128                    | C8H16O  | 000124-13-0 | 80   |
| 3         | Octanal              |       | 128                    | C8H16O  | 000124-13-0 | 59   |
| 4         | 1-Pentene, 3-methyl- |       | 84                     | C6H12   | 000760-20-3 | 43   |
| 5         | 3-Chlorohexane       |       | 120                    | C6H13Cl | 002346-81-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

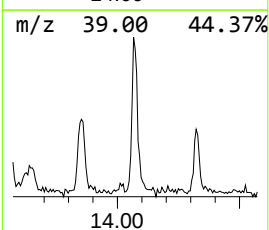
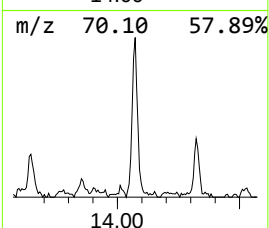
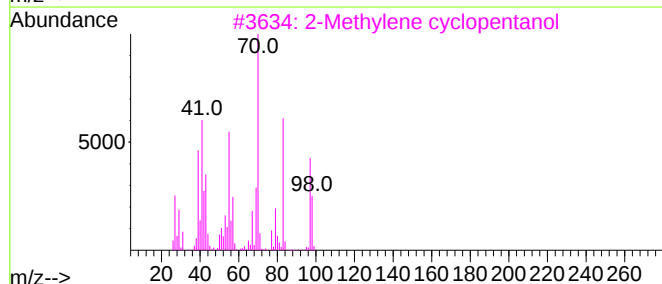
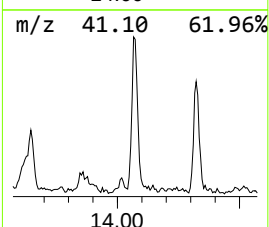
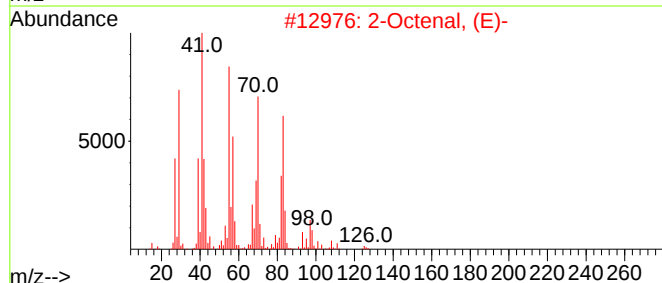
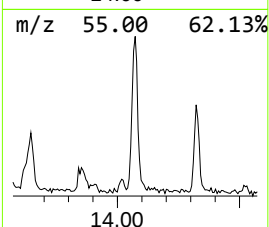
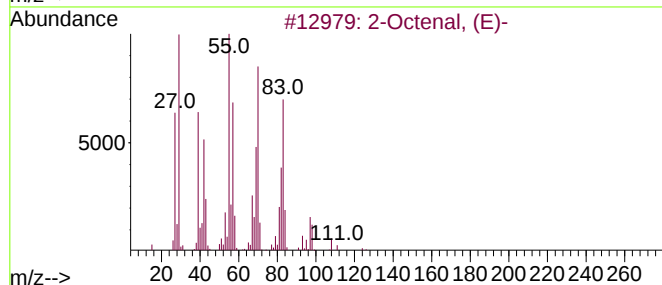
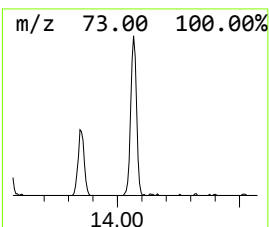
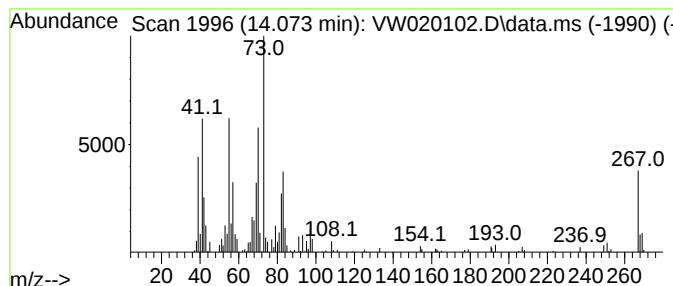
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Quant Title : SFAM01.0

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

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Peak Number 10 2-Octenal, (E)- Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.073 | 2.03 ug/L | 92913 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | 2-Octenal, (E)-           | 126 | C8H14O  | 002548-87-0 | 86   |
| 2    |      | 2-Octenal, (E)-           | 126 | C8H14O  | 002548-87-0 | 83   |
| 3    |      | 2-Methylene cyclopentanol | 98  | C6H10O  | 020461-31-8 | 38   |
| 4    |      | 2-Octenal, (E)-           | 126 | C8H14O  | 002548-87-0 | 38   |
| 5    |      | 2-Undecenal, E-           | 168 | C11H20O | 053448-07-0 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
Data File : VW020102.D  
Acq On : 21 Sep 2021 19:28  
Operator : SY/VA  
Sample : M3813-14  
Misc : 4.52g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6T8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                  |        |         |       |          | #                     | RT     | Resp    | Conc |
| Sulfur dioxide   | 2.160  | 9.2     | ug/L  | 364989   | 1                     | 8.848  | 988755  | 25.0 |
| Butanal          | 6.897  | 1.9     | ug/L  | 74130    | 1                     | 8.848  | 988755  | 25.0 |
| Pentanal         | 9.409  | 4.7     | ug/L  | 183934   | 1                     | 8.848  | 988755  | 25.0 |
| Hexanal          | 11.073 | 26.3    | ug/L  | 1271660  | 2                     | 11.634 | 1207100 | 25.0 |
| Heptanal         | 12.341 | 8.4     | ug/L  | 407974   | 2                     | 11.634 | 1207100 | 25.0 |
| Benzaldehyde     | 13.274 | 1.5     | ug/L  | 68280    | 3                     | 13.560 | 1141910 | 25.0 |
| Octanal          | 13.396 | 1.9     | ug/L  | 88787    | 3                     | 13.560 | 1141910 | 25.0 |
| 2-Octenal, (E)-  | 14.073 | 2.0     | ug/L  | 92913    | 3                     | 13.560 | 1141910 | 25.0 |