

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
 Data File : VW029937.D  
 Acq On : 16 Aug 2024 17:36  
 Operator : SY/MD  
 Sample : P3504-24  
 Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCYF2

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

Signal : TIC: VW029937.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         | 2.174       | 44            | 47          | 51           | rBV5     | 768            | 1435          | 0.17%           | 0.019%        |
| 2         | 2.228       | 51            | 56          | 61           | rBV8     | 1383           | 3402          | 0.40%           | 0.046%        |
| 3         | 2.363       | 70            | 78          | 93           | rBV      | 35477          | 103094        | 12.12%          | 1.397%        |
| 4         | 2.893       | 159           | 165         | 183          | rBV      | 31842          | 93615         | 11.01%          | 1.268%        |
| 5         | 3.253       | 223           | 224         | 230          | rVB4     | 455            | 651           | 0.08%           | 0.009%        |
| 6         | 3.387       | 240           | 246         | 252          | rBV6     | 2675           | 6071          | 0.71%           | 0.082%        |
| 7         | 3.618       | 282           | 284         | 288          | rVB3     | 788            | 705           | 0.08%           | 0.010%        |
| 8         | 4.021       | 337           | 350         | 360          | rBV2     | 62935          | 217981        | 25.63%          | 2.953%        |
| 9         | 4.118       | 360           | 366         | 379          | rVB      | 52819          | 150717        | 17.72%          | 2.042%        |
| 10        | 4.685       | 451           | 459         | 464          | rBV4     | 1883           | 5523          | 0.65%           | 0.075%        |
| 11        | 4.917       | 486           | 497         | 511          | rBV3     | 13758          | 56867         | 6.69%           | 0.770%        |
| 12        | 5.679       | 619           | 622         | 627          | rVB3     | 599            | 1116          | 0.13%           | 0.015%        |
| 13        | 5.777       | 633           | 638         | 639          | rBV4     | 737            | 882           | 0.10%           | 0.012%        |
| 14        | 5.795       | 639           | 641         | 646          | rVB4     | 732            | 1053          | 0.12%           | 0.014%        |
| 15        | 5.935       | 654           | 664         | 677          | rBV3     | 6995           | 23576         | 2.77%           | 0.319%        |
| 16        | 6.063       | 680           | 685         | 686          | rBV      | 715            | 1007          | 0.12%           | 0.014%        |
| 17        | 6.295       | 720           | 723         | 725          | rBV3     | 539            | 758           | 0.09%           | 0.010%        |
| 18        | 6.679       | 781           | 786         | 789          | rBV2     | 515            | 865           | 0.10%           | 0.012%        |
| 19        | 6.898       | 816           | 822         | 833          | rBV7     | 2014           | 6535          | 0.77%           | 0.089%        |
| 20        | 7.075       | 843           | 851         | 874          | rBV      | 23542          | 83201         | 9.78%           | 1.127%        |
| 21        | 7.514       | 917           | 923         | 924          | rBV4     | 474            | 663           | 0.08%           | 0.009%        |
| 22        | 7.557       | 928           | 930         | 934          | rVV3     | 531            | 703           | 0.08%           | 0.010%        |
| 23        | 7.648       | 934           | 945         | 958          | rVV      | 138680         | 342681        | 40.30%          | 4.642%        |
| 24        | 7.740       | 958           | 960         | 962          | rVV3     | 732            | 791           | 0.09%           | 0.011%        |
| 25        | 7.758       | 962           | 963         | 968          | rVV5     | 833            | 1350          | 0.16%           | 0.018%        |
| 26        | 8.276       | 1038          | 1048        | 1064         | rBV2     | 254300         | 769126        | 90.45%          | 10.419%       |
| 27        | 8.502       | 1081          | 1085        | 1088         | rVV4     | 556            | 870           | 0.10%           | 0.012%        |
| 28        | 8.557       | 1088          | 1094        | 1096         | rVV4     | 1259           | 2388          | 0.28%           | 0.032%        |
| 29        | 8.599       | 1098          | 1101        | 1105         | rVB5     | 1081           | 1531          | 0.18%           | 0.021%        |
| 30        | 8.703       | 1110          | 1118        | 1127         | rBV2     | 13628          | 31911         | 3.75%           | 0.432%        |
| 31        | 8.843       | 1132          | 1141        | 1150         | rBV      | 364181         | 720358        | 84.71%          | 9.758%        |
| 32        | 9.154       | 1191          | 1192        | 1197         | rVB3     | 594            | 687           | 0.08%           | 0.009%        |
| 33        | 9.270       | 1202          | 1211        | 1223         | rBV      | 186337         | 382503        | 44.98%          | 5.181%        |
| 34        | 9.404       | 1227          | 1233        | 1242         | rVV2     | 18375          | 39195         | 4.61%           | 0.531%        |
| 35        | 9.544       | 1254          | 1256        | 1260         | rVB3     | 674            | 869           | 0.10%           | 0.012%        |
| 36        | 9.593       | 1260          | 1264        | 1266         | rBV3     | 679            | 668           | 0.08%           | 0.009%        |

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 ALS Vial : 22 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 DCYF2

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 9.660  | 1272 | 1275 | 1280 | rBV4 | 747    | 1329   | 0.16%   | 0.018%  |
| 38 | 9.758  | 1290 | 1291 | 1297 | rVB5 | 732    | 970    | 0.11%   | 0.013%  |
| 39 | 9.886  | 1306 | 1312 | 1313 | rBV3 | 1377   | 1966   | 0.23%   | 0.027%  |
| 40 | 10.032 | 1329 | 1336 | 1349 | rVV  | 88630  | 164687 | 19.37%  | 2.231%  |
| 41 | 10.239 | 1368 | 1370 | 1374 | rVV4 | 557    | 748    | 0.09%   | 0.010%  |
| 42 | 10.318 | 1374 | 1383 | 1391 | rVV  | 326934 | 611869 | 71.96%  | 8.288%  |
| 43 | 10.386 | 1391 | 1394 | 1406 | rVB  | 9766   | 18197  | 2.14%   | 0.246%  |
| 44 | 10.495 | 1409 | 1412 | 1413 | rBV2 | 980    | 954    | 0.11%   | 0.013%  |
| 45 | 10.575 | 1418 | 1425 | 1435 | rBV  | 58830  | 103529 | 12.18%  | 1.402%  |
| 46 | 10.696 | 1441 | 1445 | 1449 | rBV  | 3704   | 5453   | 0.64%   | 0.074%  |
| 47 | 10.745 | 1449 | 1453 | 1457 | rVB6 | 1736   | 2742   | 0.32%   | 0.037%  |
| 48 | 10.855 | 1470 | 1471 | 1475 | rVB4 | 1045   | 765    | 0.09%   | 0.010%  |
| 49 | 10.922 | 1475 | 1482 | 1492 | rBV  | 97178  | 172329 | 20.27%  | 2.334%  |
| 50 | 11.068 | 1500 | 1506 | 1517 | rVB  | 155570 | 253691 | 29.83%  | 3.437%  |
| 51 | 11.568 | 1583 | 1588 | 1590 | rVV4 | 1526   | 2125   | 0.25%   | 0.029%  |
| 52 | 11.629 | 1590 | 1598 | 1612 | rVV  | 498059 | 850339 | 100.00% | 11.519% |
| 53 | 11.739 | 1615 | 1616 | 1620 | rVB2 | 1009   | 1119   | 0.13%   | 0.015%  |
| 54 | 11.837 | 1624 | 1632 | 1646 | rBV2 | 9548   | 25259  | 2.97%   | 0.342%  |
| 55 | 12.013 | 1656 | 1661 | 1670 | rBV2 | 10393  | 18603  | 2.19%   | 0.252%  |
| 56 | 12.160 | 1682 | 1685 | 1686 | rBV3 | 869    | 665    | 0.08%   | 0.009%  |
| 57 | 12.227 | 1693 | 1696 | 1705 | rVB5 | 1654   | 3283   | 0.39%   | 0.044%  |
| 58 | 12.336 | 1707 | 1714 | 1716 | rBV2 | 8334   | 12999  | 1.53%   | 0.176%  |
| 59 | 12.471 | 1728 | 1736 | 1741 | rBV  | 60042  | 104930 | 12.34%  | 1.421%  |
| 60 | 12.568 | 1748 | 1752 | 1753 | rBV3 | 892    | 1153   | 0.14%   | 0.016%  |
| 61 | 12.599 | 1753 | 1757 | 1763 | rVB3 | 8958   | 15650  | 1.84%   | 0.212%  |
| 62 | 12.690 | 1765 | 1772 | 1782 | rVV  | 161088 | 312112 | 36.70%  | 4.228%  |
| 63 | 12.763 | 1782 | 1784 | 1788 | rVB4 | 1199   | 1659   | 0.20%   | 0.022%  |
| 64 | 12.903 | 1801 | 1807 | 1808 | rVV5 | 1581   | 2328   | 0.27%   | 0.032%  |
| 65 | 12.934 | 1808 | 1812 | 1819 | rVV8 | 3065   | 7167   | 0.84%   | 0.097%  |
| 66 | 13.007 | 1821 | 1824 | 1825 | rVV3 | 621    | 647    | 0.08%   | 0.009%  |
| 67 | 13.031 | 1825 | 1828 | 1832 | rVV4 | 2930   | 4668   | 0.55%   | 0.063%  |
| 68 | 13.098 | 1834 | 1839 | 1843 | rVV8 | 2355   | 5407   | 0.64%   | 0.073%  |
| 69 | 13.153 | 1843 | 1848 | 1852 | rVV  | 16248  | 28128  | 3.31%   | 0.381%  |
| 70 | 13.208 | 1852 | 1857 | 1865 | rVV  | 47947  | 81985  | 9.64%   | 1.111%  |
| 71 | 13.281 | 1865 | 1869 | 1877 | rVV2 | 11364  | 22647  | 2.66%   | 0.307%  |
| 72 | 13.391 | 1877 | 1887 | 1894 | rVV8 | 11856  | 31931  | 3.76%   | 0.433%  |
| 73 | 13.464 | 1894 | 1899 | 1907 | rVV2 | 40281  | 89647  | 10.54%  | 1.214%  |
| 74 | 13.556 | 1907 | 1914 | 1920 | rVV  | 446738 | 753838 | 88.65%  | 10.212% |
| 75 | 13.611 | 1920 | 1923 | 1933 | rVV5 | 12923  | 27106  | 3.19%   | 0.367%  |
| 76 | 13.708 | 1936 | 1939 | 1943 | rVB4 | 2053   | 2569   | 0.30%   | 0.035%  |

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Instrument :  
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 ClientSampleId :  
 DCYF2

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\SFAMWLM072424SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.757 | 1943 | 1947 | 1951 | rBV5 | 1098   | 1637   | 0.19%  | 0.022% |
| 78  | 13.848 | 1955 | 1962 | 1975 | rBV  | 254532 | 421417 | 49.56% | 5.709% |
| 79  | 13.995 | 1981 | 1986 | 1993 | rBV4 | 11739  | 24405  | 2.87%  | 0.331% |
| 80  | 14.068 | 1993 | 1998 | 2005 | rVV3 | 7853   | 16003  | 1.88%  | 0.217% |
|     |        |      |      |      |      |        |        |        |        |
| 81  | 14.147 | 2006 | 2011 | 2016 | rVV5 | 5196   | 8964   | 1.05%  | 0.121% |
| 82  | 14.214 | 2020 | 2022 | 2024 | rVB3 | 797    | 693    | 0.08%  | 0.009% |
| 83  | 14.318 | 2035 | 2039 | 2046 | rBV2 | 7541   | 12921  | 1.52%  | 0.175% |
| 84  | 14.434 | 2055 | 2058 | 2062 | rVB5 | 945    | 1474   | 0.17%  | 0.020% |
| 85  | 14.501 | 2066 | 2069 | 2071 | rVV4 | 875    | 1403   | 0.16%  | 0.019% |
|     |        |      |      |      |      |        |        |        |        |
| 86  | 14.549 | 2075 | 2077 | 2081 | rVB5 | 905    | 1346   | 0.16%  | 0.018% |
| 87  | 14.623 | 2085 | 2089 | 2093 | rVB5 | 1124   | 1723   | 0.20%  | 0.023% |
| 88  | 14.690 | 2093 | 2100 | 2112 | rBV2 | 19806  | 39153  | 4.60%  | 0.530% |
| 89  | 14.940 | 2139 | 2141 | 2142 | rBV2 | 1106   | 945    | 0.11%  | 0.013% |
| 90  | 15.062 | 2157 | 2161 | 2164 | rBV4 | 1559   | 2634   | 0.31%  | 0.036% |
|     |        |      |      |      |      |        |        |        |        |
| 91  | 15.110 | 2164 | 2169 | 2177 | rVV6 | 4631   | 9409   | 1.11%  | 0.127% |
| 92  | 15.208 | 2177 | 2185 | 2188 | rVV6 | 4071   | 9278   | 1.09%  | 0.126% |
| 93  | 15.244 | 2188 | 2191 | 2197 | rVB5 | 3605   | 6333   | 0.74%  | 0.086% |
| 94  | 15.336 | 2203 | 2206 | 2207 | rBV3 | 629    | 655    | 0.08%  | 0.009% |
| 95  | 15.452 | 2223 | 2225 | 2227 | rVV3 | 810    | 957    | 0.11%  | 0.013% |
|     |        |      |      |      |      |        |        |        |        |
| 96  | 15.476 | 2227 | 2229 | 2235 | rVV6 | 1310   | 2304   | 0.27%  | 0.031% |
| 97  | 15.781 | 2278 | 2279 | 2284 | rBV4 | 506    | 821    | 0.10%  | 0.011% |
| 98  | 15.842 | 2284 | 2289 | 2298 | rBV7 | 3522   | 7790   | 0.92%  | 0.106% |
| 99  | 15.952 | 2303 | 2307 | 2312 | rBV7 | 1482   | 2917   | 0.34%  | 0.040% |
| 100 | 16.031 | 2314 | 2320 | 2325 | rBV6 | 2476   | 4445   | 0.52%  | 0.060% |

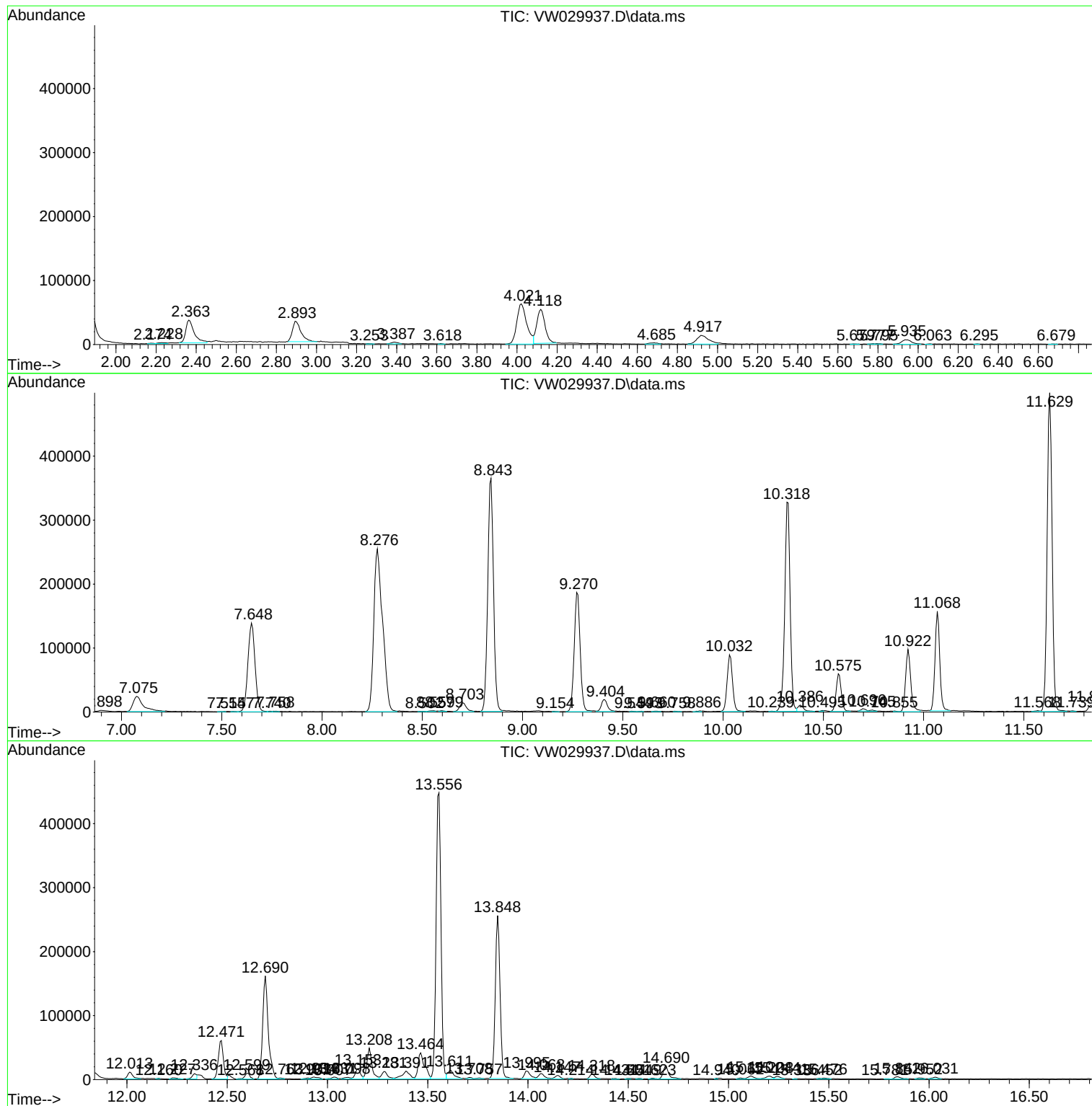
Sum of corrected areas: 7382168

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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



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Instrument :  
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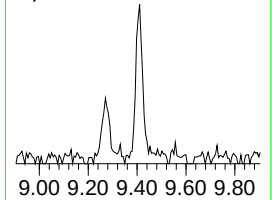
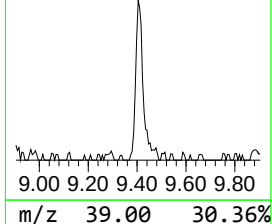
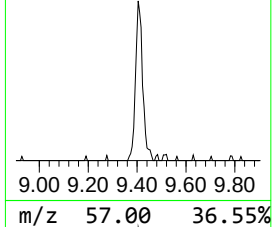
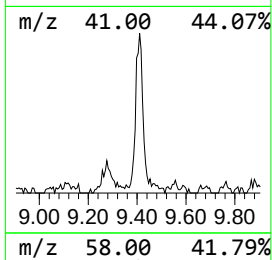
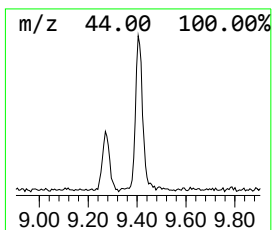
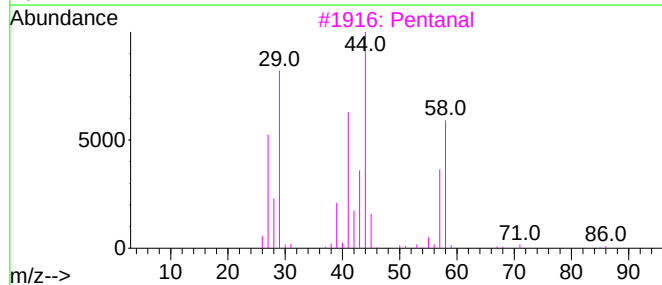
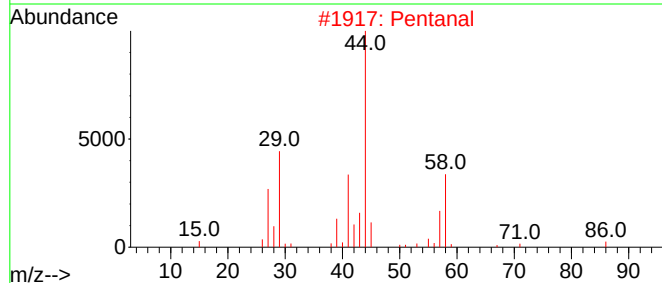
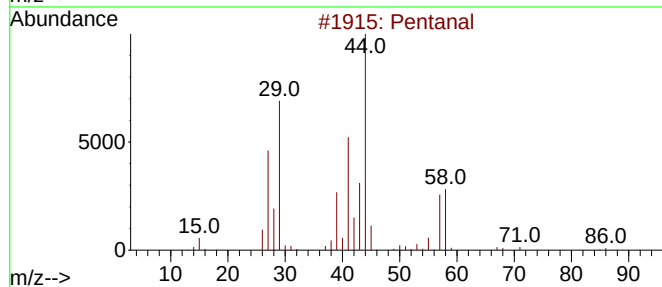
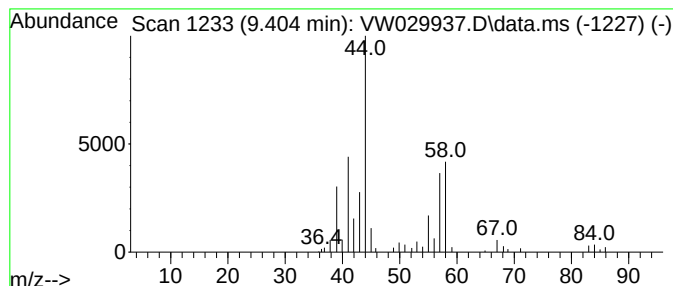
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Pentanal Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.404 | 1.36 ug/L | 39195 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                   | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentanal             |   |              | 86 | C5H10O  | 000110-62-3 | 86   |
| 2    | Pentanal             |   |              | 86 | C5H10O  | 000110-62-3 | 78   |
| 3    | Pentanal             |   |              | 86 | C5H10O  | 000110-62-3 | 72   |
| 4    | Butanal, 3-methyl-   |   |              | 86 | C5H10O  | 000590-86-3 | 43   |
| 5    | Cyclopropyl carbinol |   |              | 72 | C4H8O   | 002516-33-8 | 40   |



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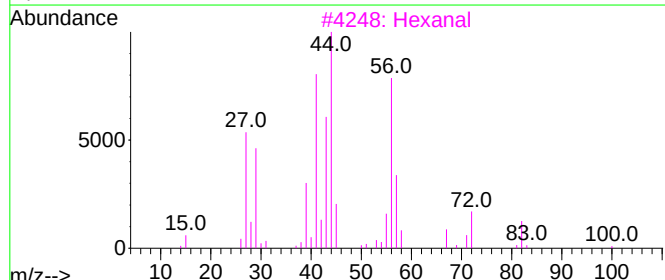
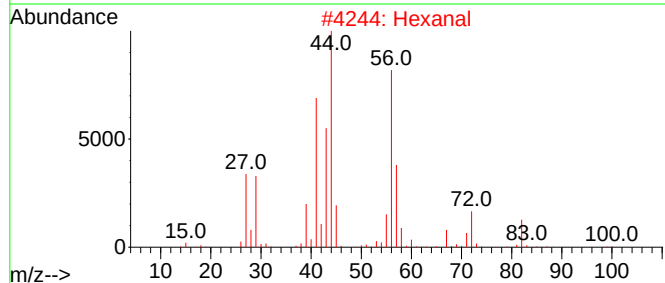
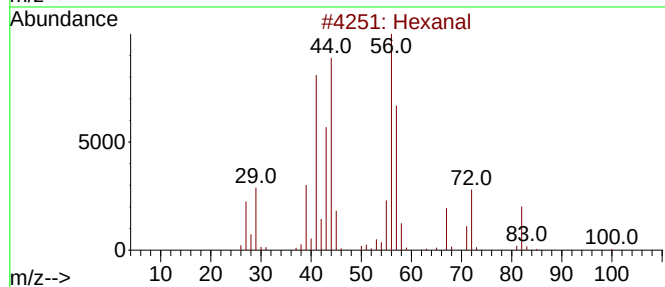
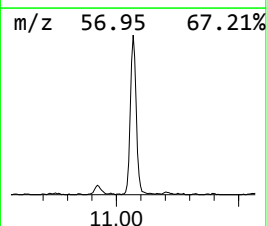
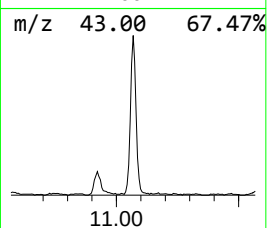
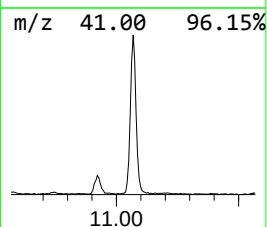
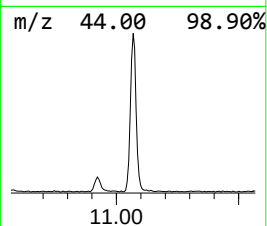
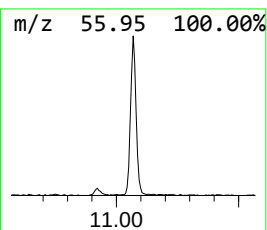
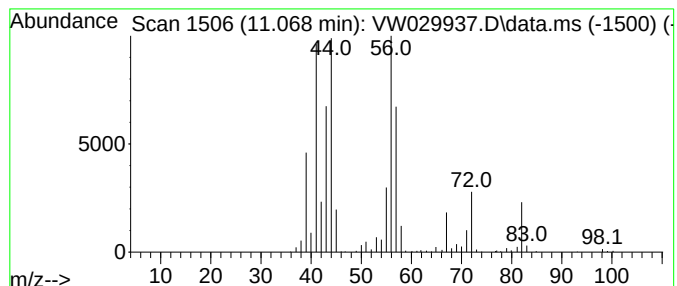
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Hexanal Concentration Rank 1

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.068 | 7.46 ug/L | 253691 | Chlorobenzene-d5 | 11.629 |

| 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 | 72   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 64   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
Data File : VW029937.D  
Acq On : 16 Aug 2024 17:36  
Operator : SY/MD  
Sample : P3504-24  
Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCYF2

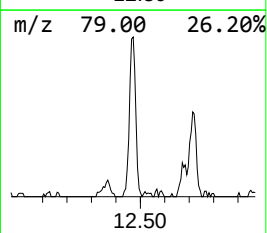
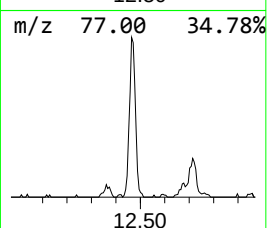
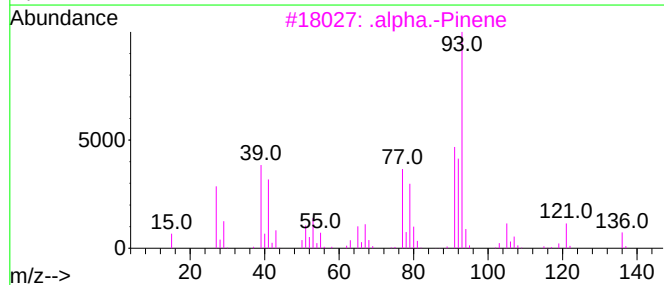
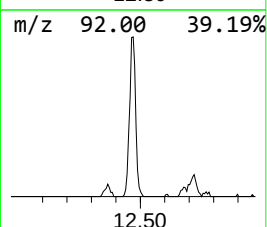
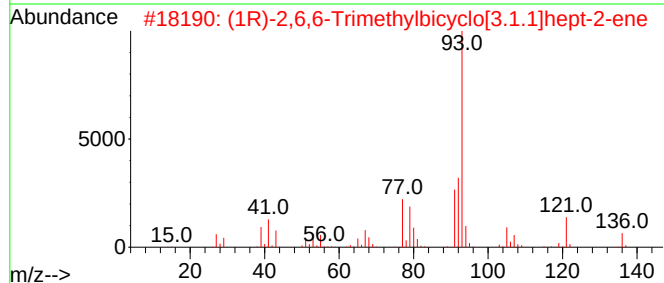
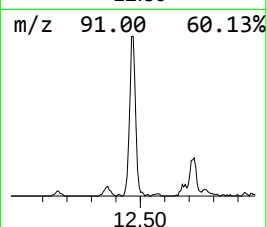
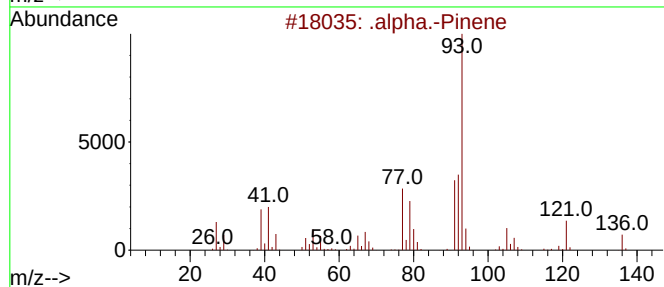
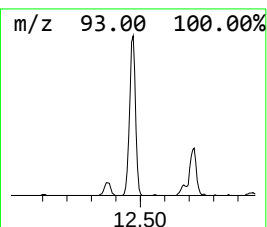
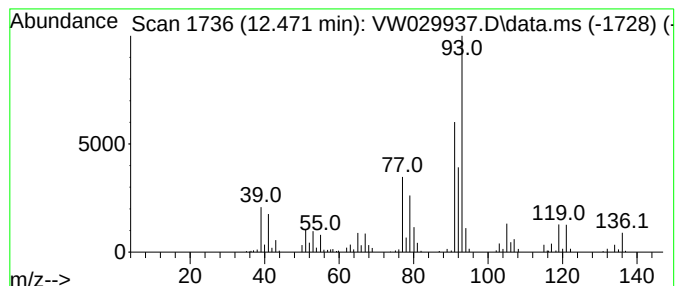
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Quant Title : SFAM01.0

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

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Peak Number 4 .alpha.-Pinene Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 12.470 | 3.08 ug/L | 104930 | Chlorobenzene-d5 | 11.629 |

| Hit# | of                                  | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|----------------|-----|---------|-------------|------|
| 1    | .                                   |   | .alpha.-Pinene | 136 | C10H16  | 000080-56-8 | 97   |
| 2    | (1R)-2,6,6-Trimethylbicyclo[3.1.... |   |                | 136 | C10H16  | 007785-70-8 | 94   |
| 3    | .                                   |   | .alpha.-Pinene | 136 | C10H16  | 000080-56-8 | 93   |
| 4    | .                                   |   | .alpha.-Pinene | 136 | C10H16  | 000080-56-8 | 91   |
| 5    | (1S)-2,6,6-Trimethylbicyclo[3.1.... |   |                | 136 | C10H16  | 007785-26-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
Data File : VW029937.D  
Acq On : 16 Aug 2024 17:36  
Operator : SY/MD  
Sample : P3504-24  
Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCYF2

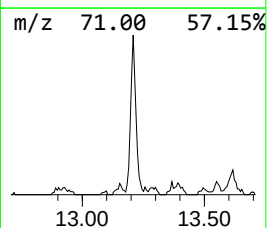
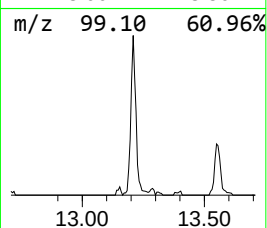
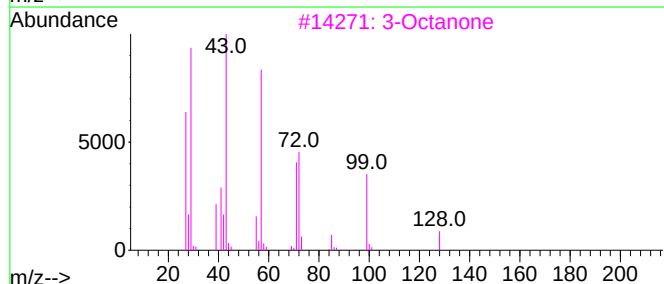
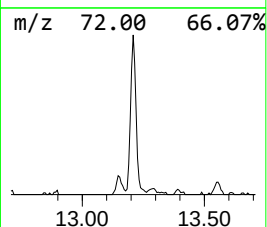
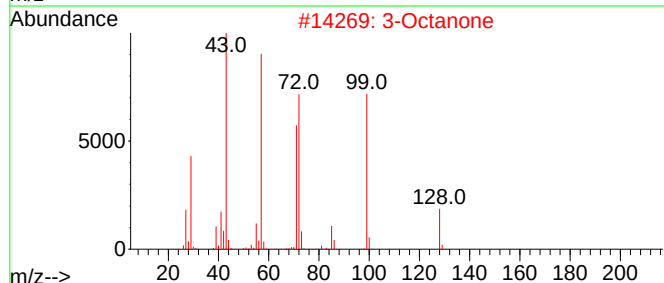
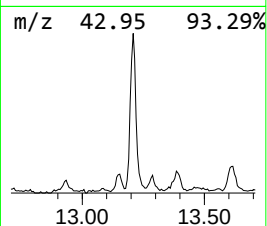
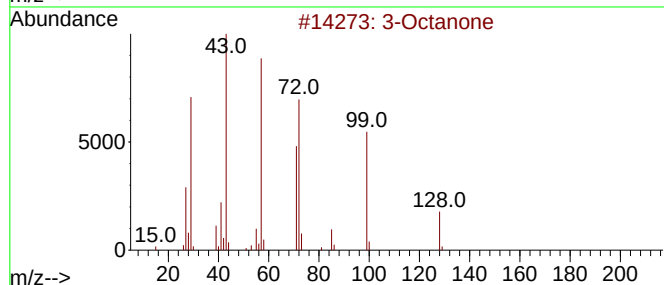
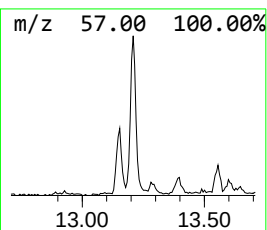
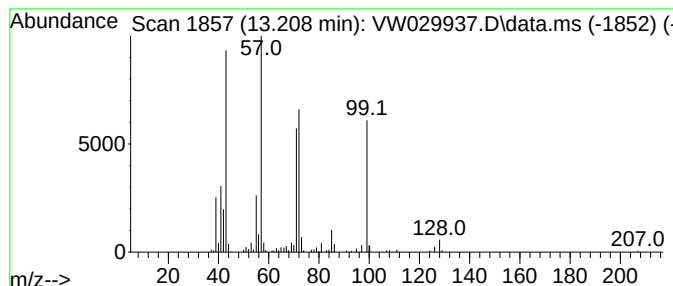
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Quant Title : SFAM01.0

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

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Peak Number 5 3-Octanone Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.208 | 2.72 ug/L | 81985 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Octanone            | 128 | C8H16O  | 000106-68-3 | 93   |
| 2    |    |   | 3-Octanone            | 128 | C8H16O  | 000106-68-3 | 93   |
| 3    |    |   | 3-Octanone            | 128 | C8H16O  | 000106-68-3 | 86   |
| 4    |    |   | Ethyl amyketone       | 128 | C8H16O  | 020616-93-7 | 59   |
| 5    |    |   | Octane, 2,7-dimethyl- | 142 | C10H22  | 001072-16-8 | 53   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
Data File : VW029937.D  
Acq On : 16 Aug 2024 17:36  
Operator : SY/MD  
Sample : P3504-24  
Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCYF2

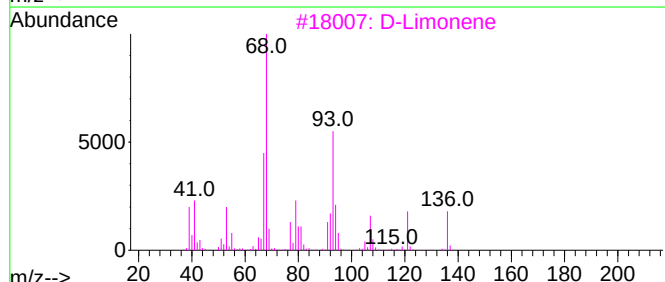
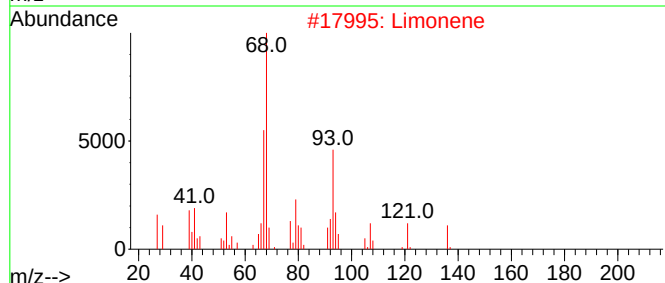
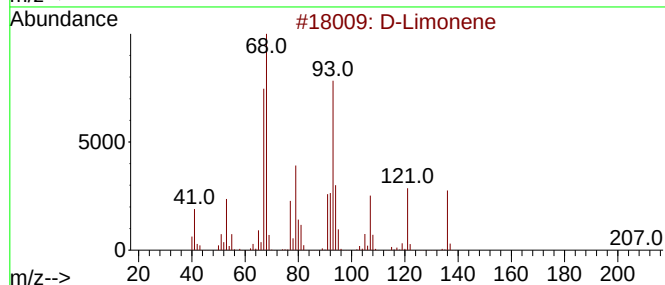
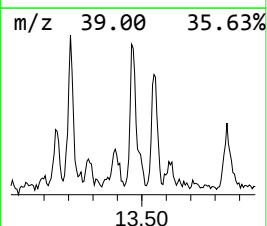
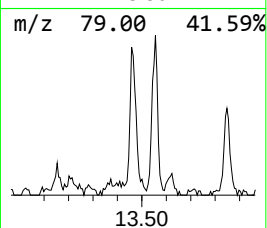
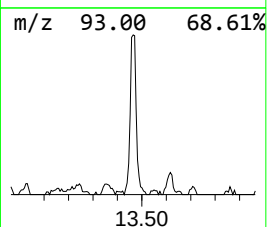
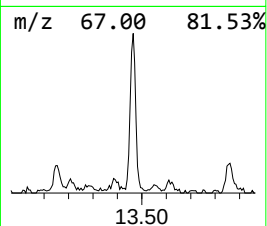
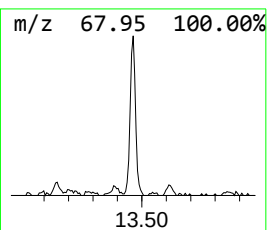
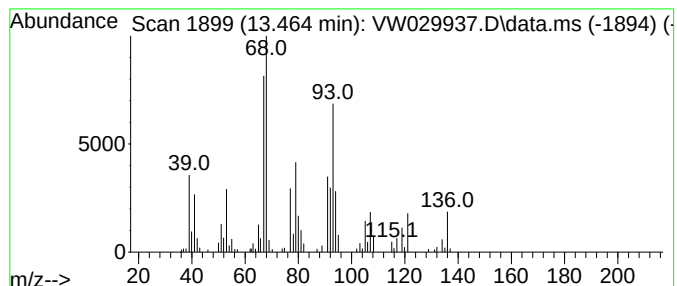
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Quant Title : SFAM01.0

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

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Peak Number 6 D-Limonene Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.464 | 2.97 ug/L | 89647 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of         | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------|---|--------------|-----|---------|-------------|------|
| 1    | D-Limonene |   |              | 136 | C10H16  | 005989-27-5 | 98   |
| 2    | Limonene   |   |              | 136 | C10H16  | 000138-86-3 | 83   |
| 3    | D-Limonene |   |              | 136 | C10H16  | 005989-27-5 | 76   |
| 4    | D-Limonene |   |              | 136 | C10H16  | 005989-27-5 | 76   |
| 5    | Limonene   |   |              | 136 | C10H16  | 000138-86-3 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
Data File : VW029937.D  
Acq On : 16 Aug 2024 17:36  
Operator : SY/MD  
Sample : P3504-24  
Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCYF2

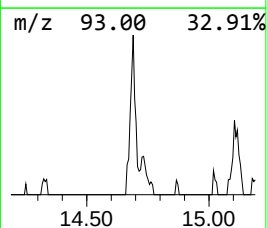
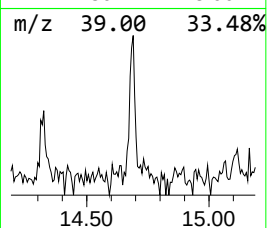
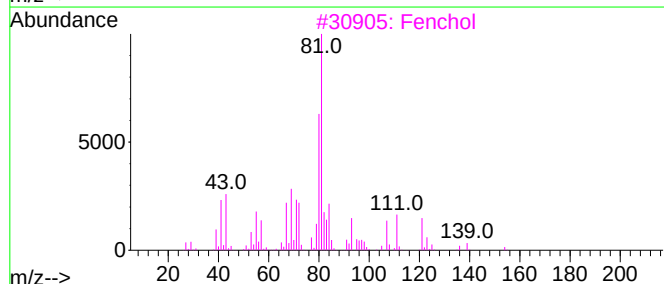
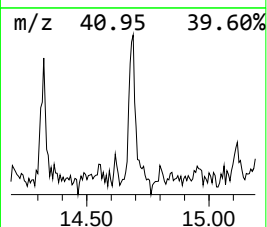
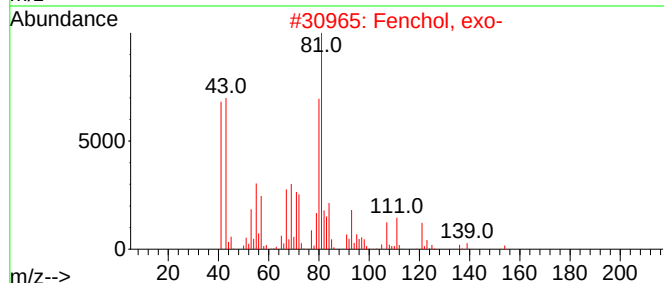
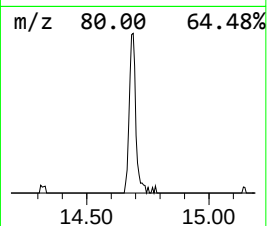
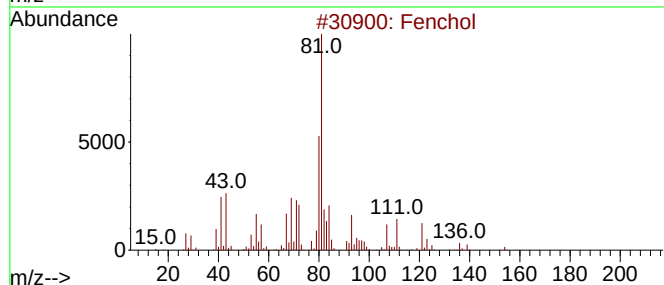
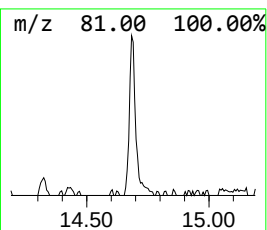
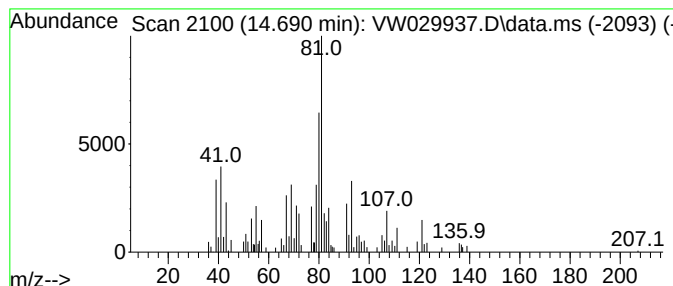
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Quant Title : SFAM01.0

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

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Peak Number 7 Fenchol Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.690 | 1.30 ug/L | 39153 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# | of | 5 | Tentative ID  | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------|-----|---------|-------------|------|
| 1    |    |   | Fenchol       | 154 | C10H18O | 001632-73-1 | 59   |
| 2    |    |   | Fenchol, exo- | 154 | C10H18O | 022627-95-8 | 58   |
| 3    |    |   | Fenchol       | 154 | C10H18O | 001632-73-1 | 58   |
| 4    |    |   | Fenchol       | 154 | C10H18O | 001632-73-1 | 58   |
| 5    |    |   | Fenchol       | 154 | C10H18O | 001632-73-1 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081624\  
Data File : VW029937.D  
Acq On : 16 Aug 2024 17:36  
Operator : SY/MD  
Sample : P3504-24  
Misc : 5.72g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCYF2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.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 |
| Pentanal         | 9.404  | 1.4     | ug/L  | 39195    | 1                     | 8.843  | 720358 | 25.0 |
| Hexanal          | 11.068 | 7.5     | ug/L  | 253691   | 2                     | 11.629 | 850339 | 25.0 |
| .alpha.-Pinene   | 12.470 | 3.1     | ug/L  | 104930   | 2                     | 11.629 | 850339 | 25.0 |
| 3-Octanone       | 13.208 | 2.7     | ug/L  | 81985    | 3                     | 13.556 | 753838 | 25.0 |
| D-Limonene       | 13.464 | 3.0     | ug/L  | 89647    | 3                     | 13.556 | 753838 | 25.0 |
| Fenchol          | 14.690 | 1.3     | ug/L  | 39153    | 3                     | 13.556 | 753838 | 25.0 |