

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
 Data File : VW030036.D  
 Acq On : 27 Aug 2024 11:57  
 Operator : SY/MD  
 Sample : P3721-14  
 Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DCY12

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\SFAMWLM082624SMA.M

Title : SFAM01.0

Signal : TIC: VW030036.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         | 1.960       | 9             | 12          | 16           | rVB      | 13693          | 17328         | 1.09%           | 0.165%        |
| 2         | 2.174       | 44            | 47          | 50           | rBV5     | 845            | 1314          | 0.08%           | 0.013%        |
| 3         | 2.363       | 70            | 78          | 92           | rBV      | 78516          | 185956        | 11.74%          | 1.774%        |
| 4         | 2.503       | 95            | 101         | 110          | rBV      | 18527          | 46369         | 2.93%           | 0.442%        |
| 5         | 2.899       | 157           | 166         | 182          | rVV      | 45619          | 133682        | 8.44%           | 1.275%        |
| 6         | 3.027       | 182           | 187         | 197          | rVB4     | 6193           | 14471         | 0.91%           | 0.138%        |
| 7         | 3.241       | 218           | 222         | 225          | rBV3     | 419            | 592           | 0.04%           | 0.006%        |
| 8         | 3.302       | 225           | 232         | 238          | rBV3     | 3957           | 9274          | 0.59%           | 0.088%        |
| 9         | 3.393       | 238           | 247         | 264          | rBV      | 93168          | 223759        | 14.12%          | 2.135%        |
| 10        | 3.856       | 316           | 323         | 329          | rBV6     | 1888           | 3918          | 0.25%           | 0.037%        |
| 11        | 4.021       | 337           | 350         | 360          | rBV      | 121040         | 396893        | 25.05%          | 3.787%        |
| 12        | 4.125       | 360           | 367         | 382          | rVV      | 98970          | 293196        | 18.51%          | 2.797%        |
| 13        | 4.271       | 384           | 391         | 402          | rVV      | 12680          | 43683         | 2.76%           | 0.417%        |
| 14        | 4.387       | 404           | 410         | 430          | rVV2     | 4576           | 17923         | 1.13%           | 0.171%        |
| 15        | 4.673       | 447           | 457         | 471          | rBV      | 6218           | 19932         | 1.26%           | 0.190%        |
| 16        | 4.923       | 487           | 498         | 510          | rBV7     | 2754           | 11655         | 0.74%           | 0.111%        |
| 17        | 5.789       | 631           | 640         | 651          | rBV2     | 4066           | 12257         | 0.77%           | 0.117%        |
| 18        | 5.941       | 656           | 665         | 675          | rVB2     | 4758           | 14938         | 0.94%           | 0.143%        |
| 19        | 6.112       | 684           | 693         | 702          | rBV4     | 2339           | 6886          | 0.43%           | 0.066%        |
| 20        | 6.264       | 713           | 718         | 720          | rBV2     | 405            | 603           | 0.04%           | 0.006%        |
| 21        | 6.606       | 771           | 774         | 780          | rVB4     | 384            | 756           | 0.05%           | 0.007%        |
| 22        | 6.899       | 811           | 822         | 832          | rBV2     | 25378          | 73789         | 4.66%           | 0.704%        |
| 23        | 7.081       | 843           | 852         | 863          | rBV2     | 31857          | 111617        | 7.04%           | 1.065%        |
| 24        | 7.539       | 922           | 927         | 933          | rBV5     | 770            | 1752          | 0.11%           | 0.017%        |
| 25        | 7.648       | 934           | 945         | 959          | rVV      | 174138         | 432565        | 27.30%          | 4.127%        |
| 26        | 7.783       | 962           | 967         | 975          | rVB5     | 1487           | 3726          | 0.24%           | 0.036%        |
| 27        | 8.276       | 1037          | 1048        | 1064         | rBV2     | 355519         | 1042864       | 65.82%          | 9.949%        |
| 28        | 8.392       | 1064          | 1067        | 1073         | rVB7     | 801            | 1514          | 0.10%           | 0.014%        |
| 29        | 8.508       | 1079          | 1086        | 1088         | rBV2     | 6722           | 12383         | 0.78%           | 0.118%        |
| 30        | 8.551       | 1089          | 1093        | 1097         | rVB2     | 6892           | 10827         | 0.68%           | 0.103%        |
| 31        | 8.703       | 1109          | 1118        | 1128         | rBV      | 42217          | 96171         | 6.07%           | 0.918%        |
| 32        | 8.837       | 1132          | 1140        | 1149         | rBV      | 390752         | 790868        | 49.92%          | 7.545%        |
| 33        | 9.044       | 1169          | 1174        | 1184         | rVB7     | 1279           | 3683          | 0.23%           | 0.035%        |
| 34        | 9.270       | 1200          | 1211        | 1221         | rBV      | 239005         | 490780        | 30.98%          | 4.682%        |
| 35        | 9.404       | 1226          | 1233        | 1250         | rVV      | 189863         | 366005        | 23.10%          | 3.492%        |
| 36        | 9.550       | 1250          | 1257        | 1265         | rVB      | 7080           | 14704         | 0.93%           | 0.140%        |

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Integrator: RTE

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Stop Thrs : 0

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 9.666  | 1273 | 1276 | 1278 | rBV2 | 465    | 527     | 0.03%   | 0.005%  |
| 38 | 9.867  | 1305 | 1309 | 1313 | rVB2 | 415    | 806     | 0.05%   | 0.008%  |
| 39 | 9.941  | 1318 | 1321 | 1324 | rBV3 | 454    | 651     | 0.04%   | 0.006%  |
| 40 | 10.032 | 1324 | 1336 | 1347 | rBV  | 124989 | 223611  | 14.11%  | 2.133%  |
| 41 | 10.124 | 1347 | 1351 | 1361 | rVB5 | 1850   | 5013    | 0.32%   | 0.048%  |
| 42 | 10.215 | 1363 | 1366 | 1369 | rVB  | 488    | 585     | 0.04%   | 0.006%  |
| 43 | 10.319 | 1372 | 1383 | 1390 | rBV  | 440575 | 820467  | 51.79%  | 7.828%  |
| 44 | 10.386 | 1390 | 1394 | 1406 | rVB  | 14326  | 27006   | 1.70%   | 0.258%  |
| 45 | 10.502 | 1408 | 1413 | 1419 | rVB3 | 5254   | 8502    | 0.54%   | 0.081%  |
| 46 | 10.575 | 1419 | 1425 | 1432 | rBV  | 73514  | 130284  | 8.22%   | 1.243%  |
| 47 | 10.703 | 1440 | 1446 | 1448 | rBV  | 5501   | 9844    | 0.62%   | 0.094%  |
| 48 | 10.739 | 1448 | 1452 | 1461 | rVB  | 7860   | 14426   | 0.91%   | 0.138%  |
| 49 | 10.922 | 1475 | 1482 | 1498 | rBV  | 125022 | 221301  | 13.97%  | 2.111%  |
| 50 | 11.069 | 1498 | 1506 | 1523 | rVV  | 973781 | 1584365 | 100.00% | 15.116% |
| 51 | 11.209 | 1524 | 1529 | 1534 | rVB2 | 6626   | 12435   | 0.78%   | 0.119%  |
| 52 | 11.361 | 1549 | 1554 | 1557 | rVB5 | 473    | 718     | 0.05%   | 0.007%  |
| 53 | 11.471 | 1566 | 1572 | 1575 | rBV4 | 998    | 1626    | 0.10%   | 0.016%  |
| 54 | 11.562 | 1581 | 1587 | 1591 | rBV3 | 2936   | 5227    | 0.33%   | 0.050%  |
| 55 | 11.629 | 1591 | 1598 | 1609 | rVV  | 394890 | 675797  | 42.65%  | 6.447%  |
| 56 | 11.739 | 1611 | 1616 | 1623 | rVB4 | 2172   | 4336    | 0.27%   | 0.041%  |
| 57 | 11.837 | 1623 | 1632 | 1643 | rBV  | 49101  | 96687   | 6.10%   | 0.922%  |
| 58 | 11.940 | 1645 | 1649 | 1655 | rVV3 | 9893   | 16916   | 1.07%   | 0.161%  |
| 59 | 12.013 | 1655 | 1661 | 1672 | rVB  | 26005  | 44357   | 2.80%   | 0.423%  |
| 60 | 12.233 | 1692 | 1697 | 1705 | rBV  | 12449  | 20389   | 1.29%   | 0.195%  |
| 61 | 12.337 | 1708 | 1714 | 1721 | rBV  | 66252  | 107290  | 6.77%   | 1.024%  |
| 62 | 12.446 | 1729 | 1732 | 1736 | rVB5 | 604    | 945     | 0.06%   | 0.009%  |
| 63 | 12.507 | 1736 | 1742 | 1752 | rBV  | 29557  | 47523   | 3.00%   | 0.453%  |
| 64 | 12.599 | 1752 | 1757 | 1763 | rVB2 | 9103   | 14353   | 0.91%   | 0.137%  |
| 65 | 12.690 | 1763 | 1772 | 1779 | rBV  | 126355 | 211637  | 13.36%  | 2.019%  |
| 66 | 12.806 | 1785 | 1791 | 1798 | rVB5 | 2208   | 4679    | 0.30%   | 0.045%  |
| 67 | 12.928 | 1800 | 1811 | 1819 | rBV2 | 19847  | 44206   | 2.79%   | 0.422%  |
| 68 | 13.038 | 1825 | 1829 | 1832 | rBV2 | 3321   | 5192    | 0.33%   | 0.050%  |
| 69 | 13.093 | 1832 | 1838 | 1843 | rVV3 | 23761  | 45435   | 2.87%   | 0.433%  |
| 70 | 13.147 | 1843 | 1847 | 1852 | rVV  | 22394  | 38981   | 2.46%   | 0.372%  |
| 71 | 13.208 | 1852 | 1857 | 1861 | rVV  | 25518  | 41845   | 2.64%   | 0.399%  |
| 72 | 13.269 | 1862 | 1867 | 1880 | rVB2 | 18680  | 44085   | 2.78%   | 0.421%  |
| 73 | 13.391 | 1880 | 1887 | 1895 | rBV  | 56912  | 89356   | 5.64%   | 0.852%  |
| 74 | 13.477 | 1899 | 1901 | 1907 | rVV5 | 3195   | 5735    | 0.36%   | 0.055%  |
| 75 | 13.550 | 1907 | 1913 | 1924 | rVV  | 215926 | 359777  | 22.71%  | 3.432%  |
| 76 | 13.647 | 1925 | 1929 | 1935 | rVB3 | 2533   | 4414    | 0.28%   | 0.042%  |

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Instrument :  
 MSVOA\_W  
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 DCY12

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\SFAMWLM082624SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.714 | 1935 | 1940 | 1942 | rBV6 | 795    | 1332   | 0.08%  | 0.013% |
| 78  | 13.848 | 1955 | 1962 | 1982 | rBV  | 165096 | 291632 | 18.41% | 2.782% |
| 79  | 14.013 | 1983 | 1989 | 1992 | rBV2 | 5973   | 9703   | 0.61%  | 0.093% |
| 80  | 14.068 | 1992 | 1998 | 2007 | rVV2 | 60666  | 108456 | 6.85%  | 1.035% |
| 81  | 14.147 | 2008 | 2011 | 2018 | rVB3 | 4909   | 7874   | 0.50%  | 0.075% |
| 82  | 14.214 | 2018 | 2022 | 2027 | rBV5 | 2505   | 4137   | 0.26%  | 0.039% |
| 83  | 14.318 | 2033 | 2039 | 2047 | rBV  | 32197  | 52361  | 3.30%  | 0.500% |
| 84  | 14.483 | 2061 | 2066 | 2068 | rBV5 | 1250   | 2168   | 0.14%  | 0.021% |
| 85  | 14.617 | 2082 | 2088 | 2092 | rBV3 | 5192   | 9109   | 0.57%  | 0.087% |
| 86  | 14.659 | 2092 | 2095 | 2100 | rVB6 | 1116   | 2043   | 0.13%  | 0.019% |
| 87  | 14.793 | 2113 | 2117 | 2118 | rBV3 | 792    | 1197   | 0.08%  | 0.011% |
| 88  | 14.861 | 2122 | 2128 | 2136 | rBV7 | 1951   | 5561   | 0.35%  | 0.053% |
| 89  | 14.940 | 2136 | 2141 | 2148 | rBV4 | 13190  | 22989  | 1.45%  | 0.219% |
| 90  | 15.068 | 2157 | 2162 | 2167 | rBV4 | 2169   | 3801   | 0.24%  | 0.036% |
| 91  | 15.171 | 2174 | 2179 | 2186 | rVB3 | 3526   | 6700   | 0.42%  | 0.064% |
| 92  | 15.245 | 2187 | 2191 | 2196 | rVB7 | 1032   | 1853   | 0.12%  | 0.018% |
| 93  | 15.385 | 2208 | 2214 | 2219 | rVB6 | 2111   | 3420   | 0.22%  | 0.033% |
| 94  | 15.440 | 2221 | 2223 | 2225 | rBV2 | 579    | 665    | 0.04%  | 0.006% |
| 95  | 15.513 | 2233 | 2235 | 2244 | rVB7 | 1619   | 3172   | 0.20%  | 0.030% |
| 96  | 15.635 | 2253 | 2255 | 2259 | rBV4 | 589    | 861    | 0.05%  | 0.008% |
| 97  | 15.757 | 2271 | 2275 | 2276 | rBV4 | 558    | 746    | 0.05%  | 0.007% |
| 98  | 15.842 | 2282 | 2289 | 2300 | rBV3 | 14426  | 28155  | 1.78%  | 0.269% |
| 99  | 15.952 | 2302 | 2307 | 2315 | rVV4 | 6212   | 12370  | 0.78%  | 0.118% |
| 100 | 16.086 | 2323 | 2329 | 2331 | rBV6 | 861    | 1416   | 0.09%  | 0.014% |

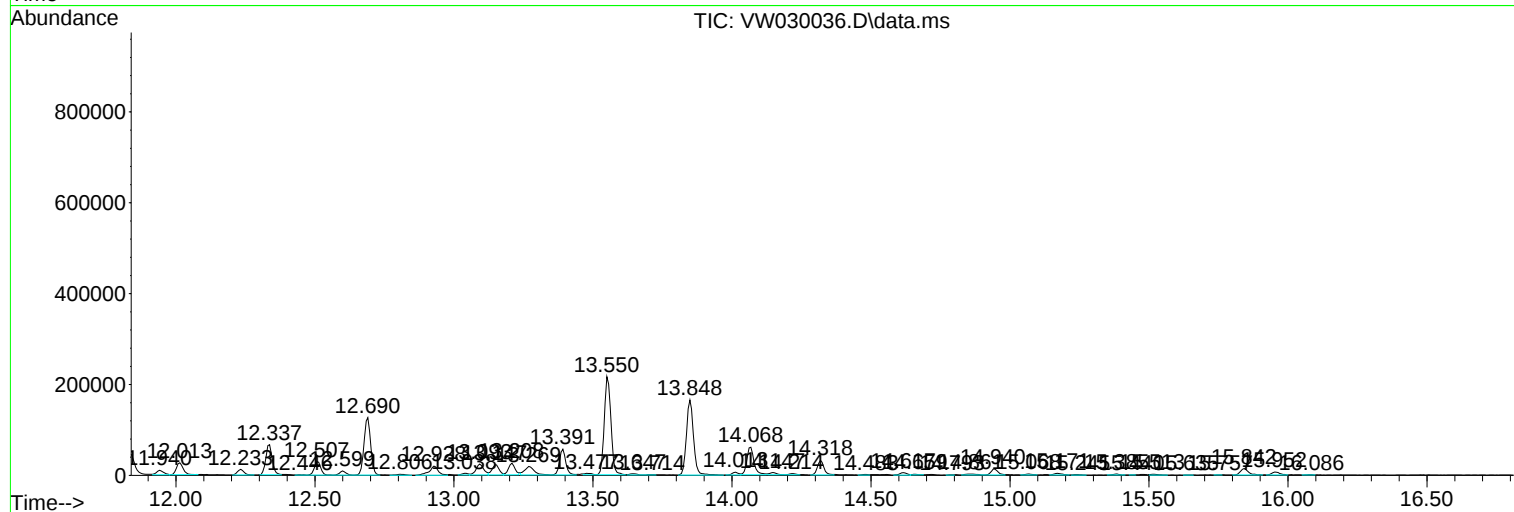
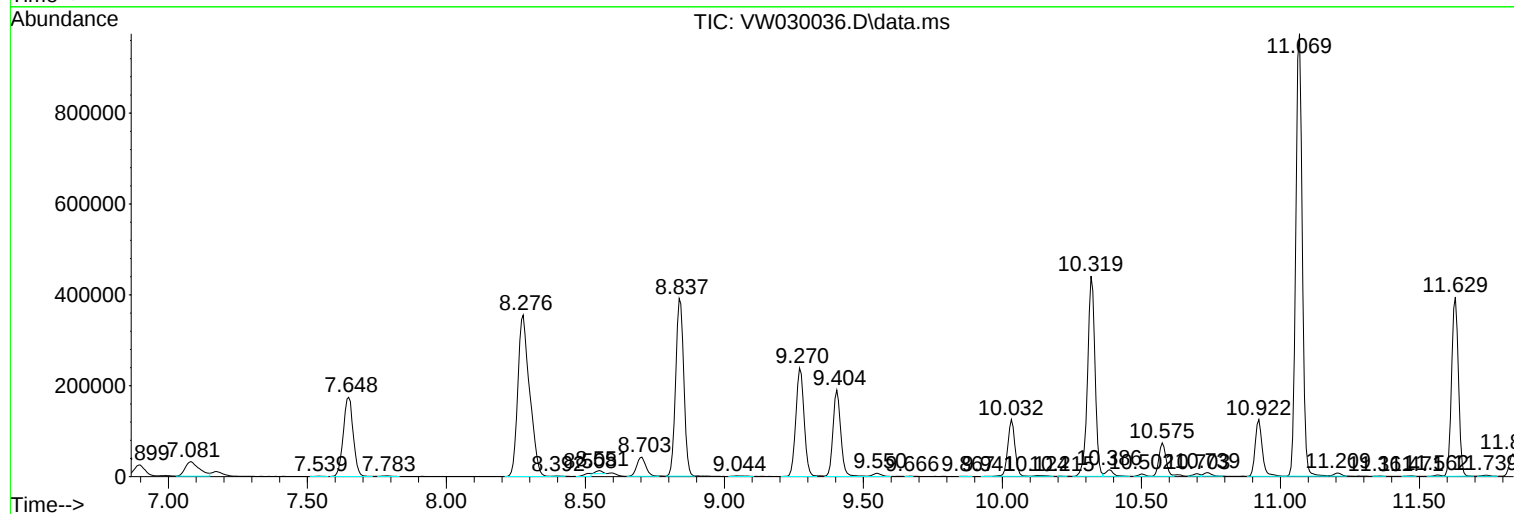
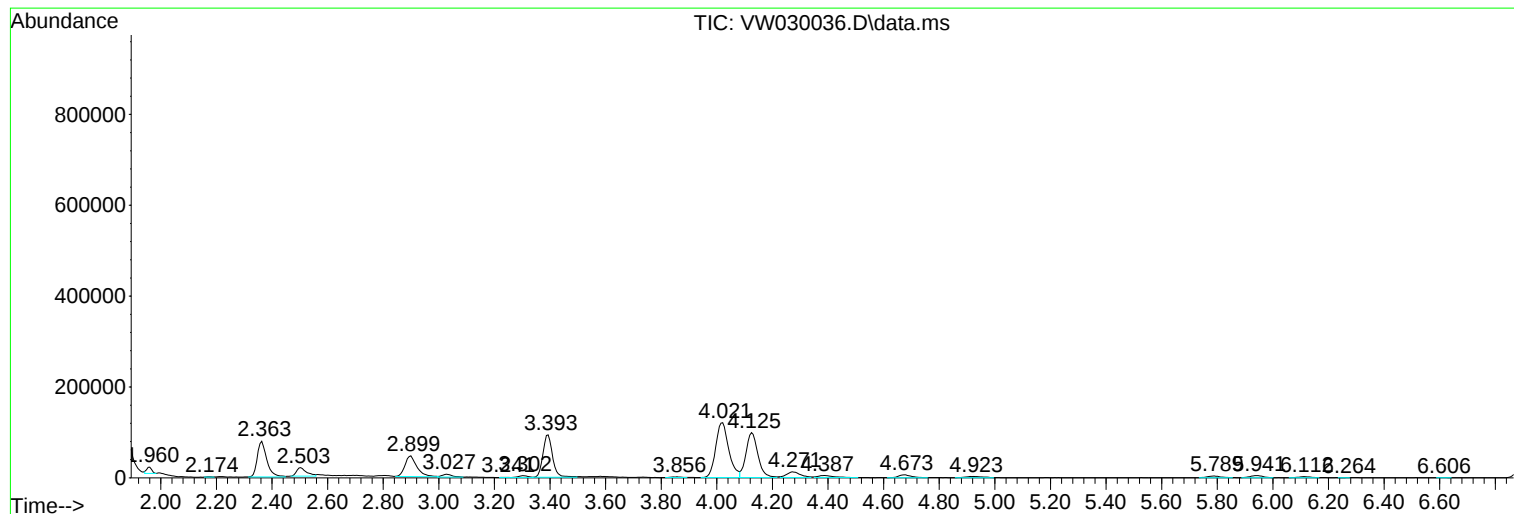
Sum of corrected areas: 10481683

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0

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



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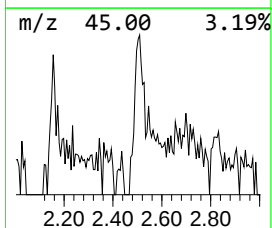
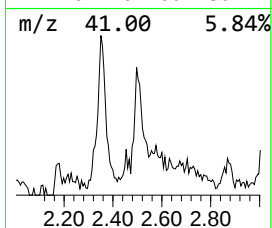
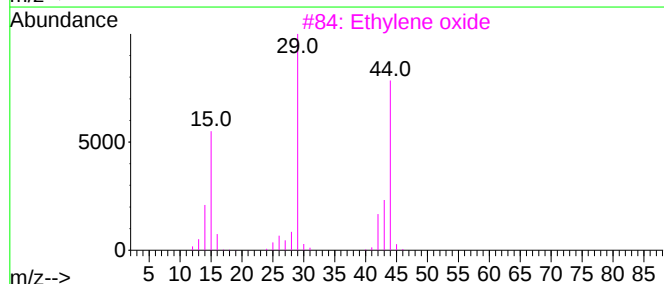
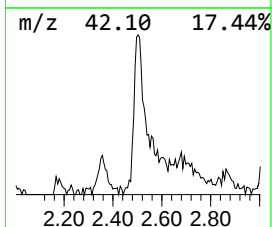
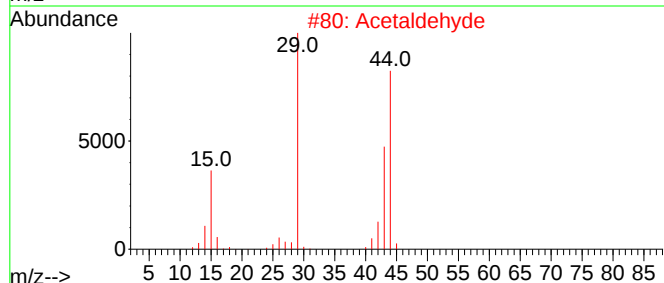
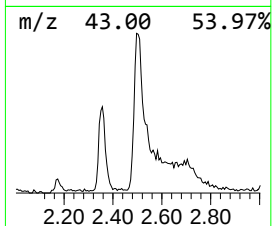
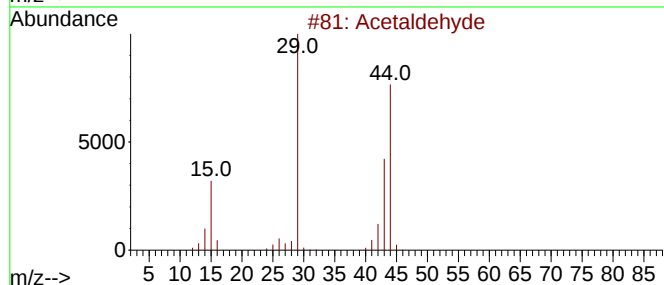
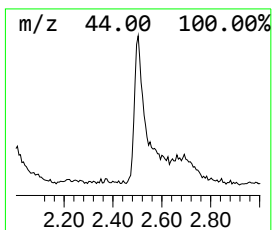
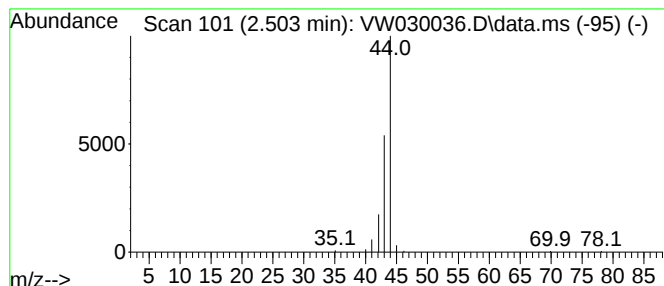
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 Acetaldehyde Concentration Rank 21

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.503 | 1.47 ug/L | 46369 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 74   |
| 2    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 74   |
| 3    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 9    |
| 4    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 7    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |



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Quant Title : SFAM01.0

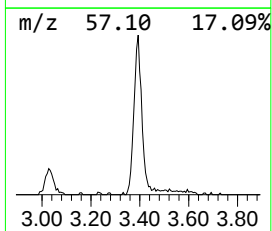
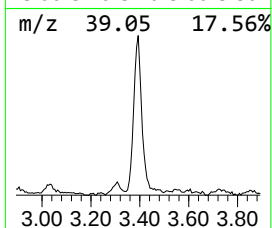
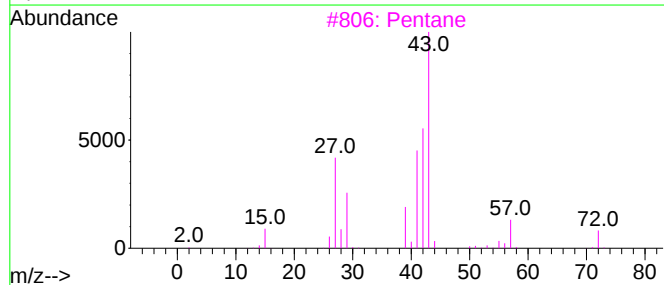
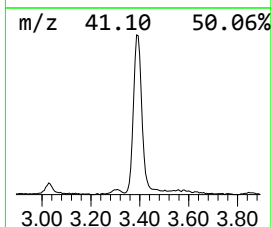
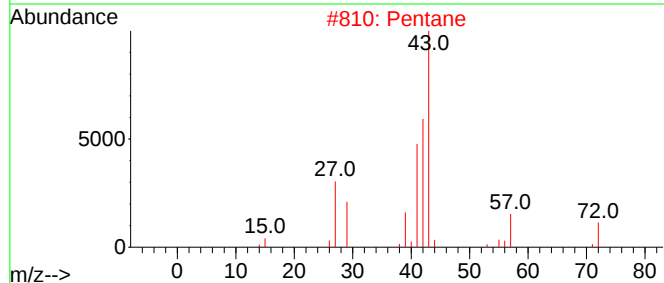
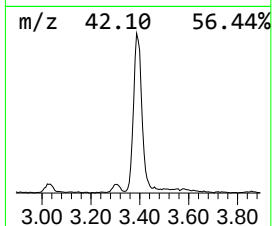
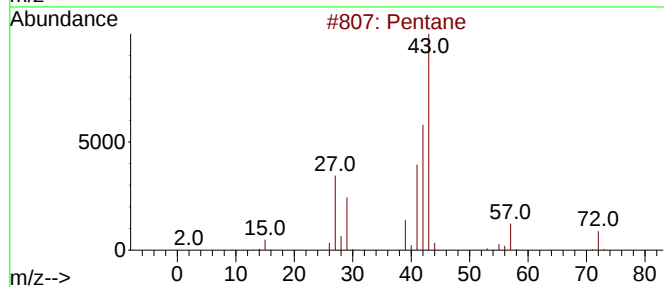
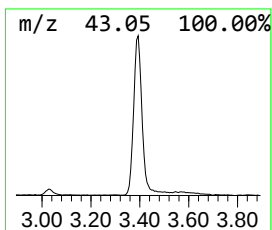
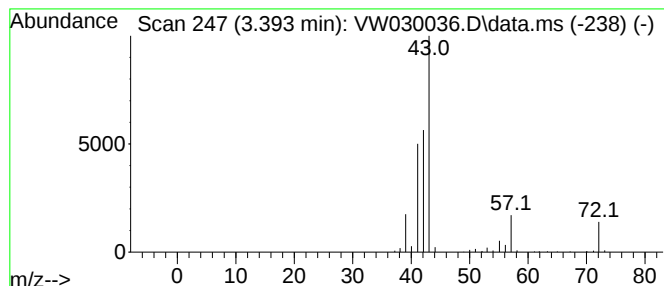
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.393 | 7.07 ug/L | 223759 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of 5    | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|--------------|----|---------|-------------|------|
| 1    | Pentane |              | 72 | C5H12   | 000109-66-0 | 90   |
| 2    | Pentane |              | 72 | C5H12   | 000109-66-0 | 86   |
| 3    | Pentane |              | 72 | C5H12   | 000109-66-0 | 86   |
| 4    | Pentane |              | 72 | C5H12   | 000109-66-0 | 52   |
| 5    | Pentane |              | 72 | C5H12   | 000109-66-0 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

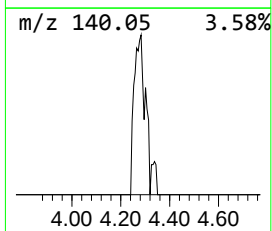
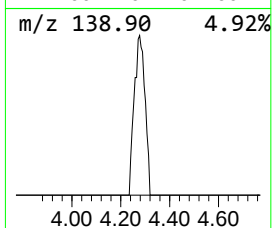
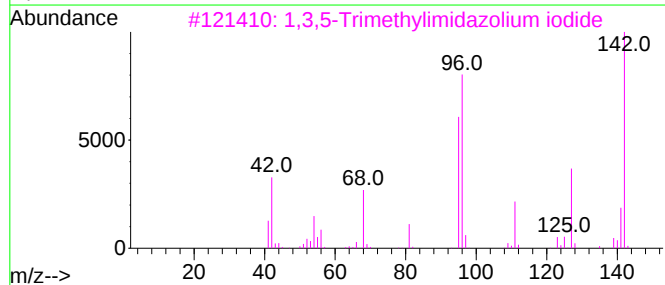
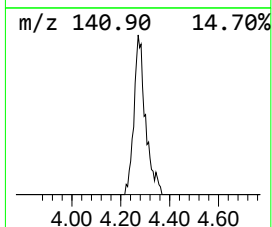
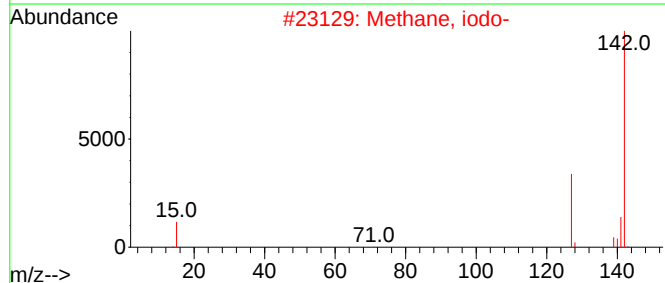
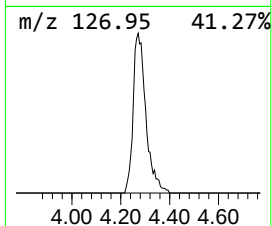
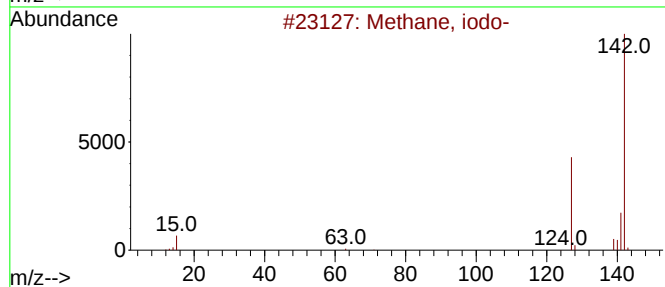
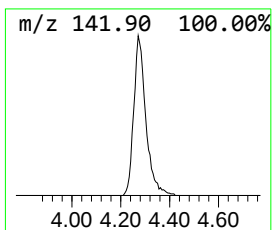
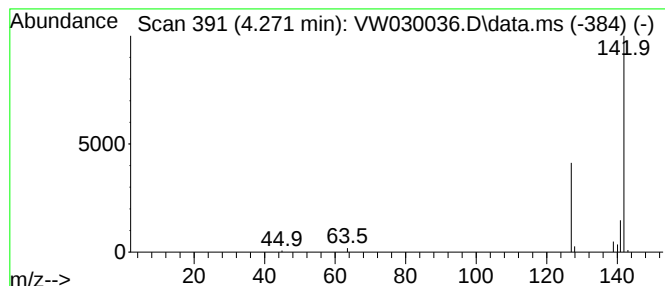
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Methane, iodo- Concentration Rank 22

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 4.271 | 1.38 ug/L | 43683 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Methane, iodo-                    | 142 | CH3I     | 000074-88-4  | 90   |
| 2    |    |   | Methane, iodo-                    | 142 | CH3I     | 000074-88-4  | 83   |
| 3    |    |   | 1,3,5-Trimethylimidazolium iodide | 238 | C6H11IN2 | 1000126-23-0 | 83   |
| 4    |    |   | Methane, iodo-                    | 142 | CH3I     | 000074-88-4  | 72   |
| 5    |    |   | 9-Phosphabicyclo[3.3.1]nonane     | 142 | C8H15P   | 013887-02-0  | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

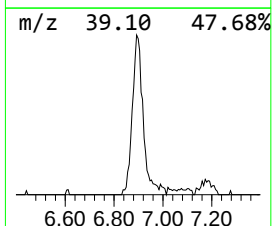
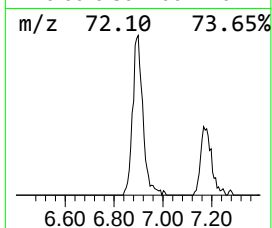
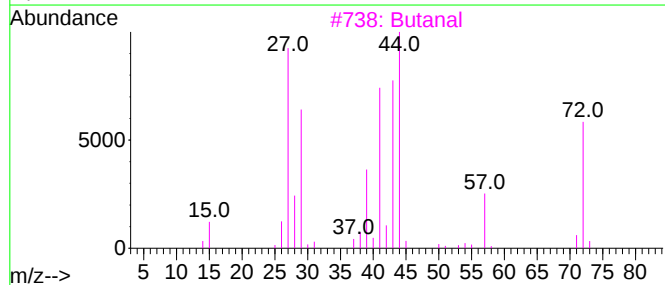
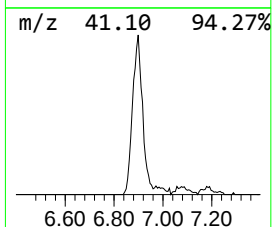
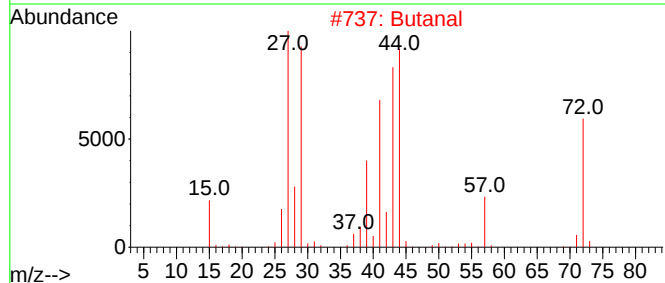
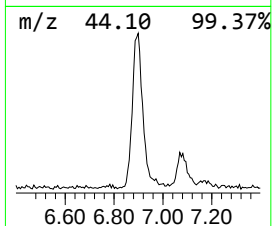
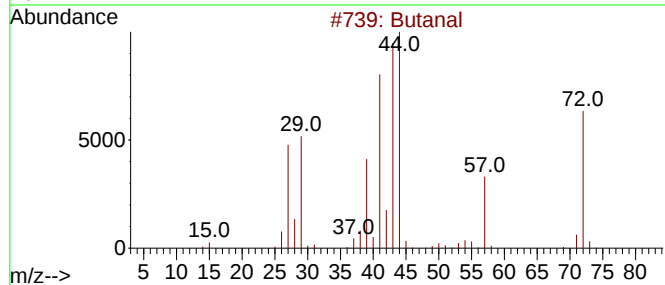
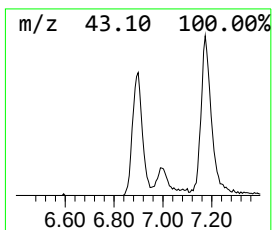
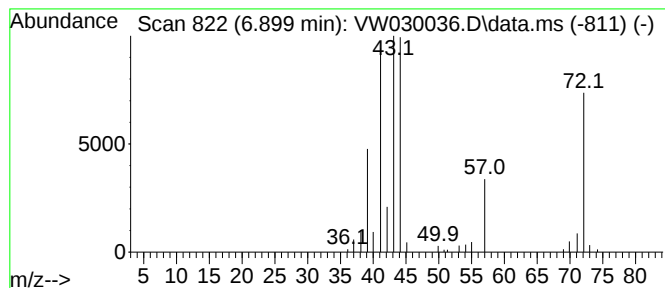
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 Butanal Concentration Rank 16

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.899 | 2.33 ug/L | 73789 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 94   |
| 2    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 91   |
| 3    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 74   |
| 4    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 64   |
| 5    | Butanal |   |              | 72 | C4H8O   | 000123-72-8 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

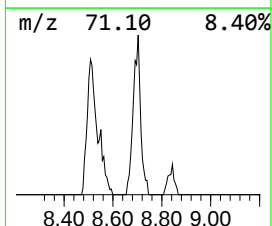
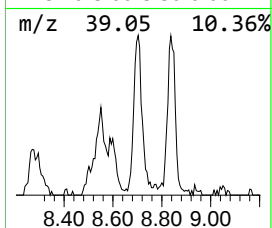
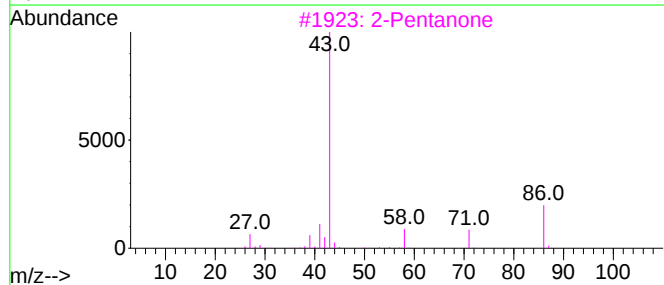
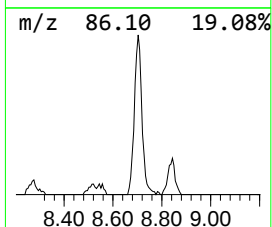
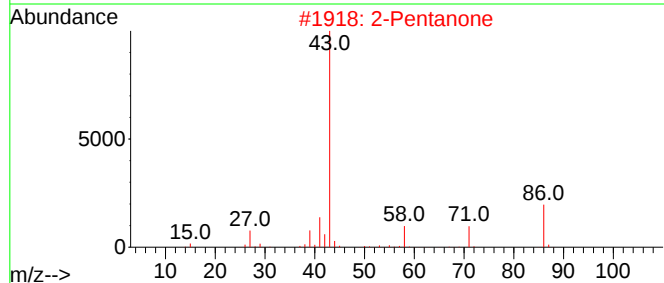
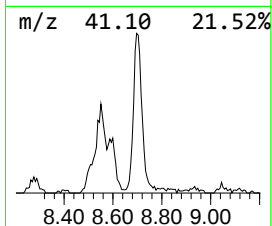
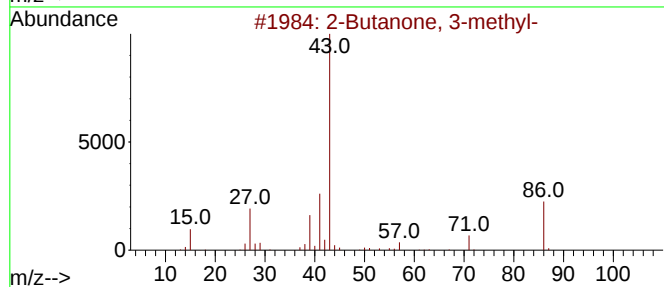
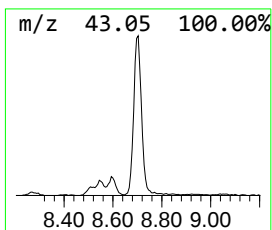
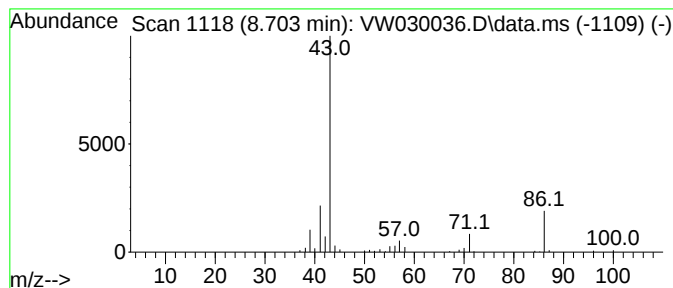
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Quant Title : SFAM01.0

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

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Peak Number 5 2-Butanone, 3-methyl- Concentration Rank 13

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.703 | 3.04 ug/L | 96171 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                    | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------------------|---|--------------|----|---------|-------------|------|
| 1    | 2-Butanone, 3-methyl- |   |              | 86 | C5H10O  | 000563-80-4 | 72   |
| 2    | 2-Pentanone           |   |              | 86 | C5H10O  | 000107-87-9 | 64   |
| 3    | 2-Pentanone           |   |              | 86 | C5H10O  | 000107-87-9 | 64   |
| 4    | 2-Butanone, 3-methyl- |   |              | 86 | C5H10O  | 000563-80-4 | 59   |
| 5    | 2-Pentanone           |   |              | 86 | C5H10O  | 000107-87-9 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0

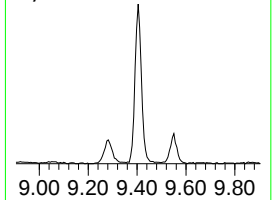
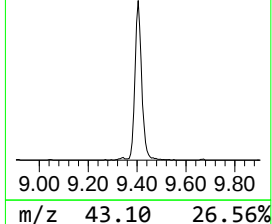
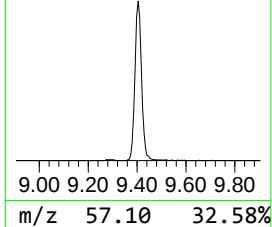
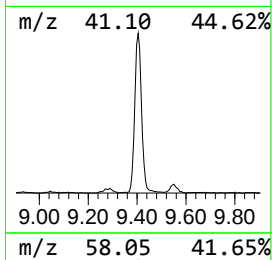
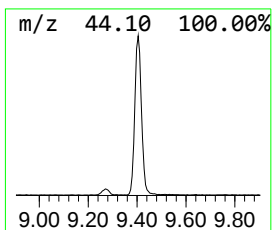
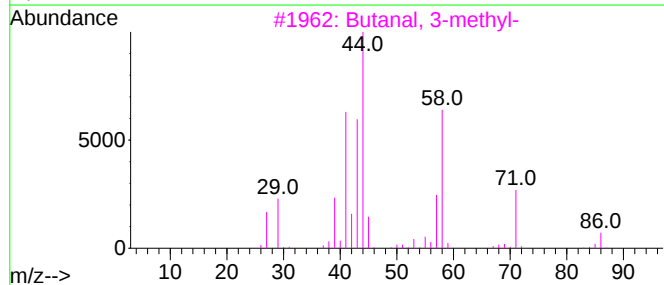
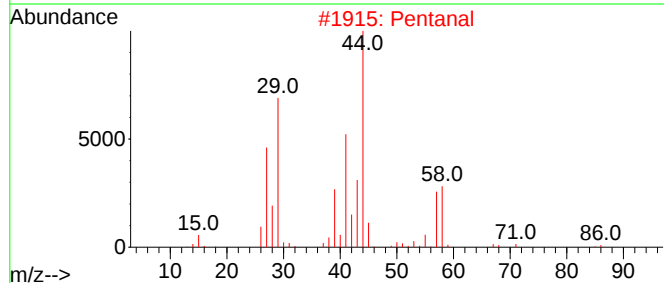
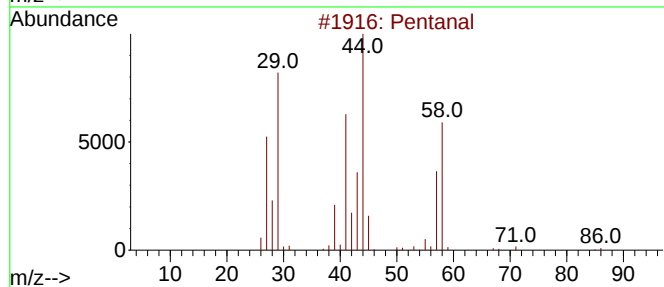
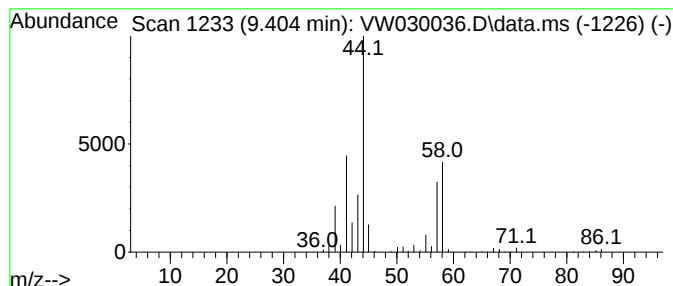
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentanal Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 9.404 | 11.57 ug/L | 366005 | 1,4-Difluorobenzene | 8.843 |

| Hit# | of                 | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------------|---|--------------|----|---------|-------------|------|
| 1    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 91   |
| 2    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 90   |
| 3    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 83   |
| 4    | Pentanal           |   |              | 86 | C5H10O  | 000110-62-3 | 83   |
| 5    | Butanal, 3-methyl- |   |              | 86 | C5H10O  | 000590-86-3 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

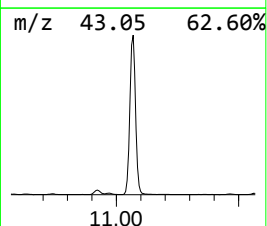
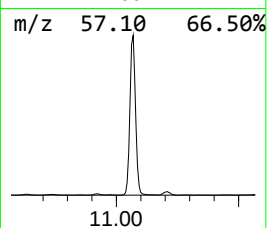
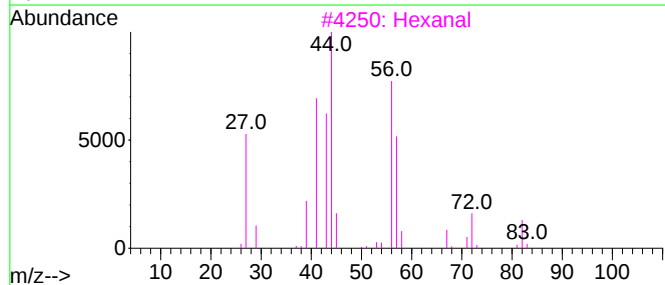
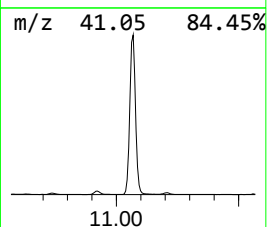
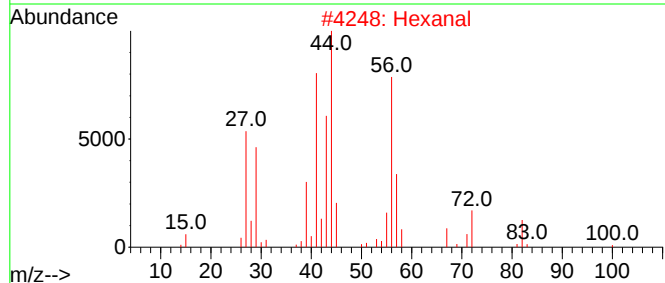
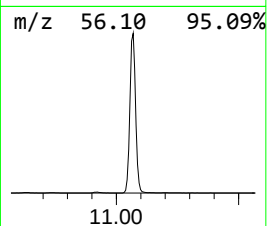
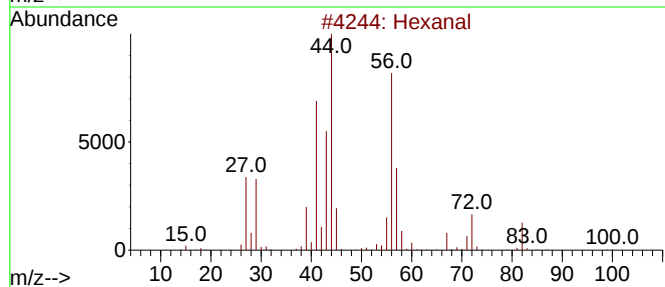
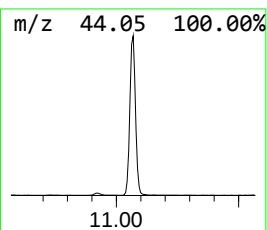
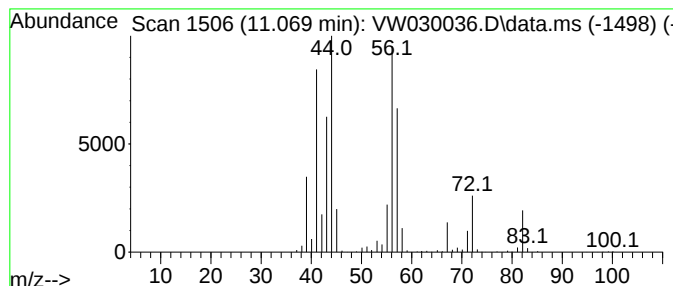
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 8 Hexanal Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 11.069 | 58.61 ug/L | 1584370 | 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 | 91   |
| 3    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 86   |
| 4    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 83   |
| 5    | Hexanal |   |              | 100 | C6H12O  | 000066-25-1 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

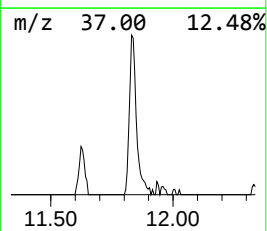
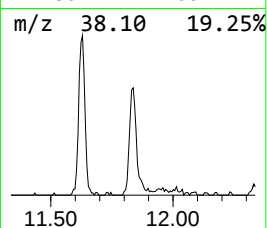
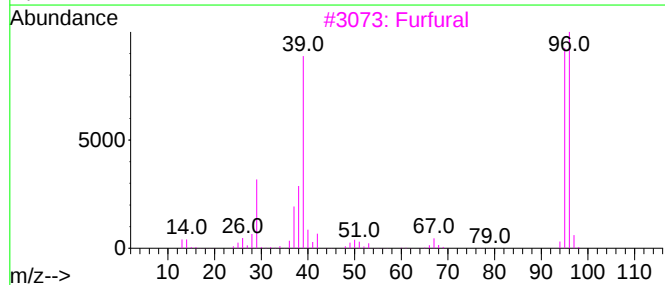
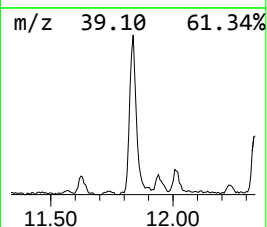
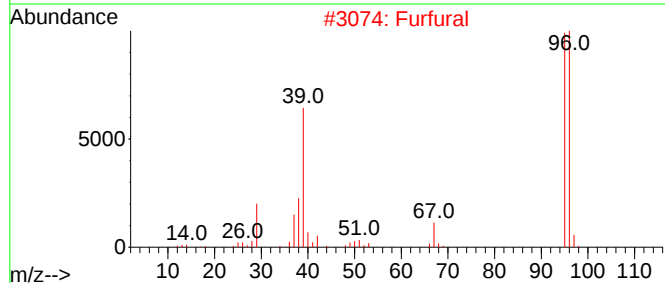
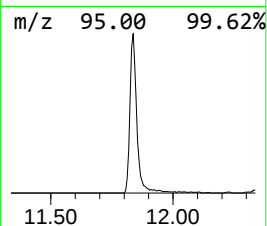
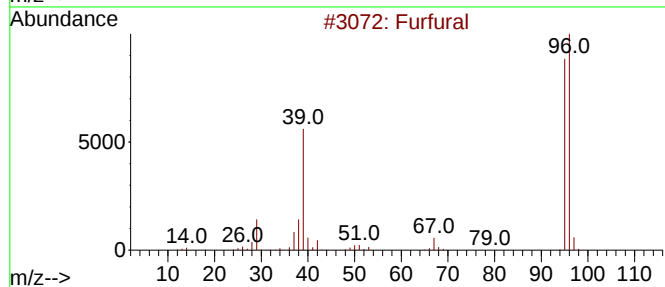
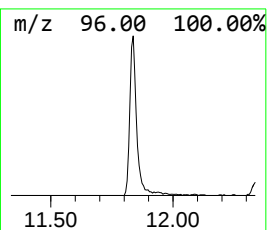
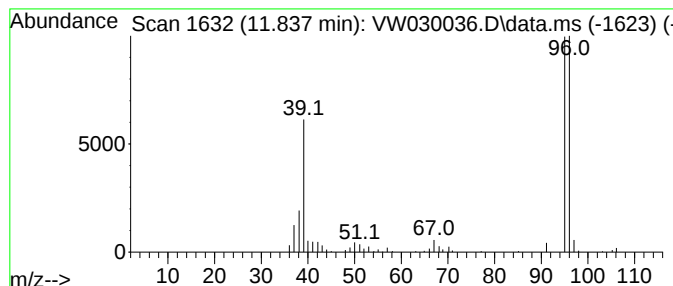
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 9 Furfural Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.837 | 3.58 ug/L | 96687 | Chlorobenzene-d5 | 11.629 |

| Hit# | of             | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----------------|---|--------------|----|---------|-------------|------|
| 1    | Furfural       |   |              | 96 | C5H4O2  | 000098-01-1 | 94   |
| 2    | Furfural       |   |              | 96 | C5H4O2  | 000098-01-1 | 94   |
| 3    | Furfural       |   |              | 96 | C5H4O2  | 000098-01-1 | 94   |
| 4    | Furfural       |   |              | 96 | C5H4O2  | 000098-01-1 | 94   |
| 5    | 2H-Pyran-2-one |   |              | 96 | C5H4O2  | 000504-31-4 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

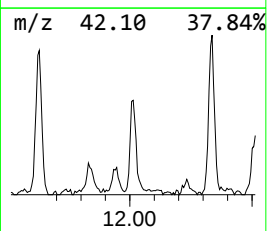
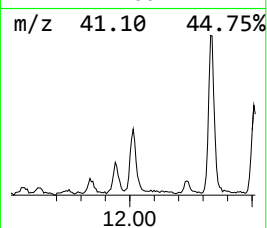
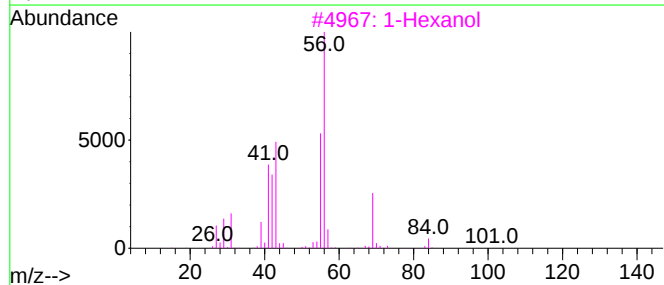
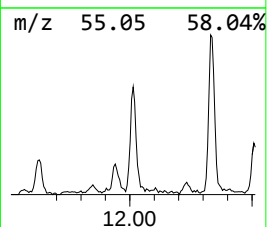
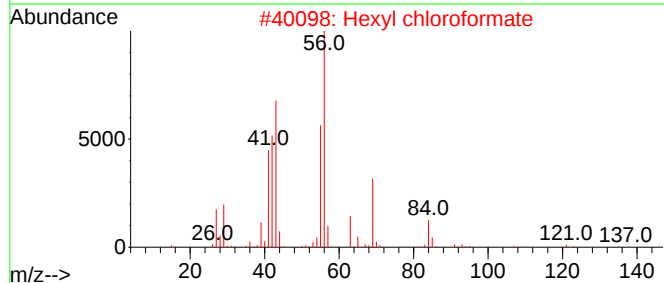
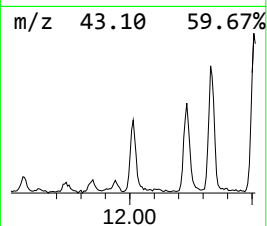
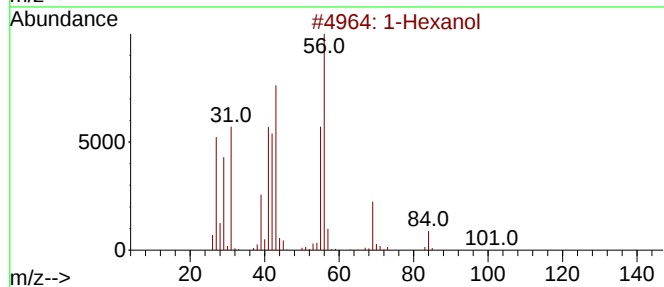
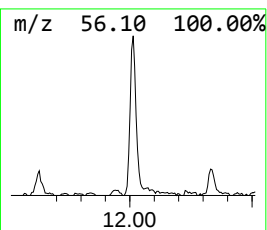
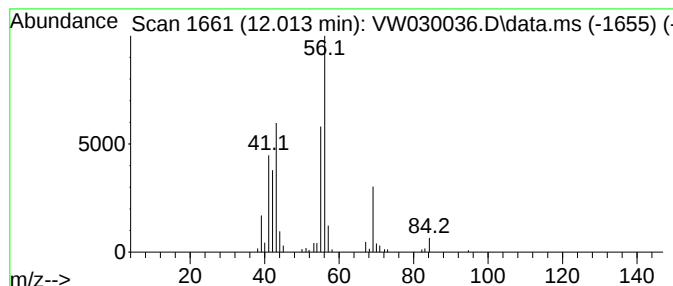
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MSVOA\_W  
ClientSampleId :  
DCY12

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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 10 1-Hexanol Concentration Rank 19

| R.T.      | EstConc               | Area  | Relative to ISTD |           | R.T.        |      |
|-----------|-----------------------|-------|------------------|-----------|-------------|------|
| 12.014    | 1.64 ug/L             | 44357 | Chlorobenzene-d5 |           | 11.629      |      |
| Hit# of 5 | Tentative ID          |       | MW               | MolForm   | CAS#        | Qual |
| 1         | 1-Hexanol             |       | 102              | C6H14O    | 000111-27-3 | 83   |
| 2         | Hexyl chloroformate   |       | 164              | C7H13ClO2 | 006092-54-2 | 78   |
| 3         | 1-Hexanol             |       | 102              | C6H14O    | 000111-27-3 | 78   |
| 4         | Cyclohexane           |       | 84               | C6H12     | 000110-82-7 | 72   |
| 5         | Cyclopropane, propyl- |       | 84               | C6H12     | 002415-72-7 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

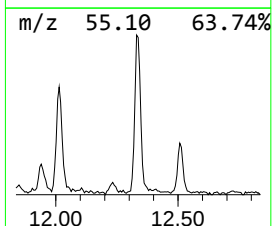
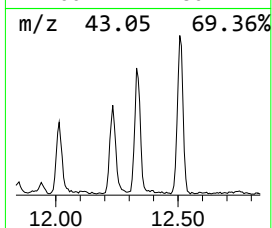
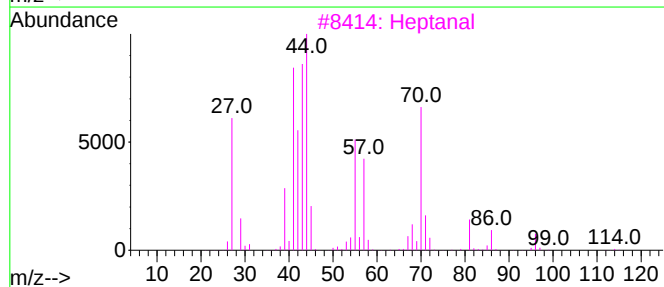
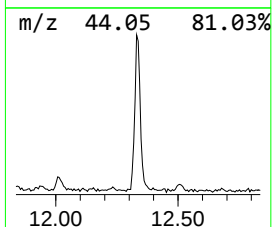
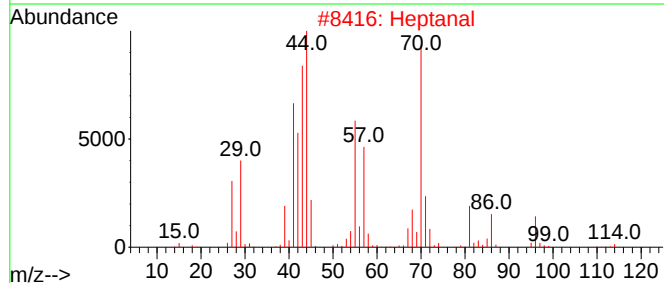
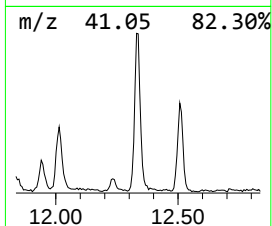
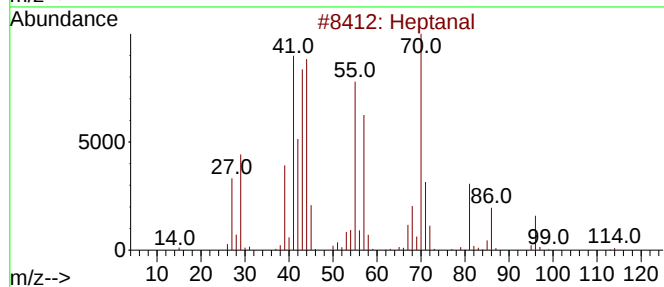
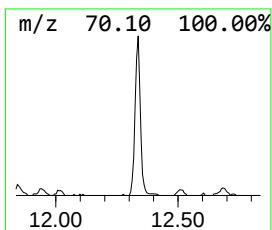
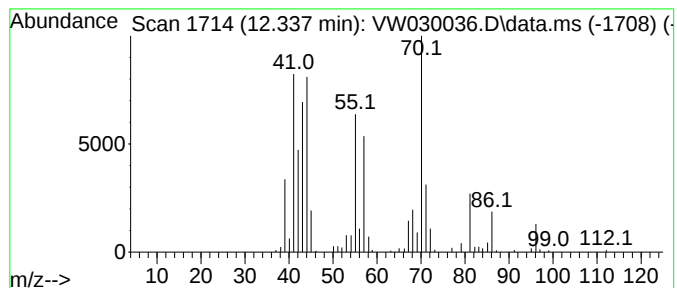
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 11 Heptanal Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 12.337 | 3.97 ug/L | 107290 | Chlorobenzene-d5 | 11.629 |

| Hit# | of       | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------|---|--------------|-----|---------|-------------|------|
| 1    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 91   |
| 2    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 90   |
| 3    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 83   |
| 4    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 83   |
| 5    | Heptanal |   |              | 114 | C7H14O  | 000111-71-7 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

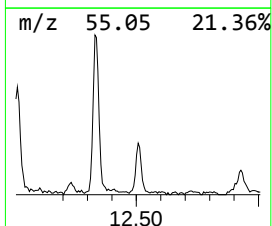
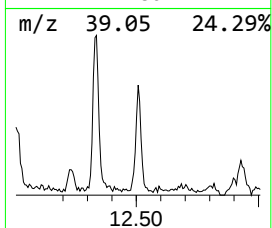
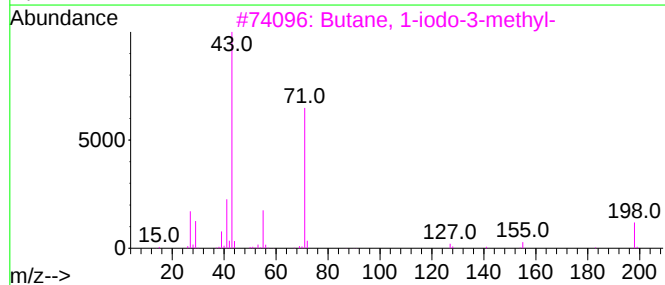
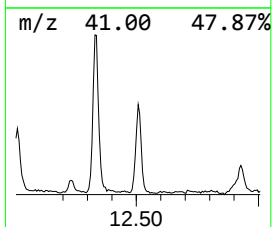
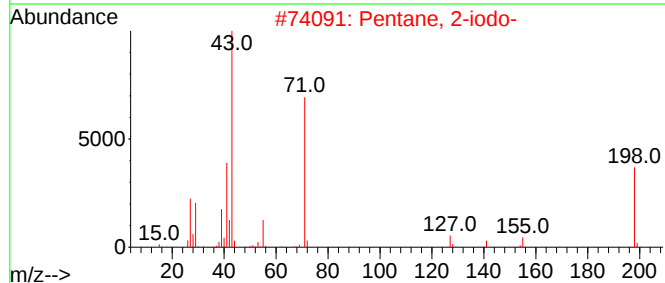
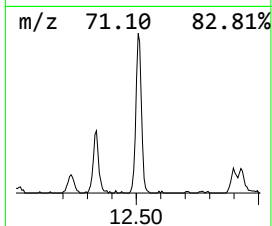
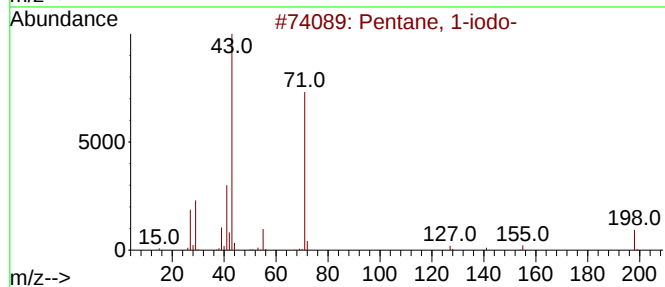
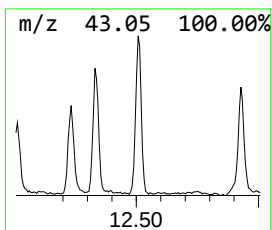
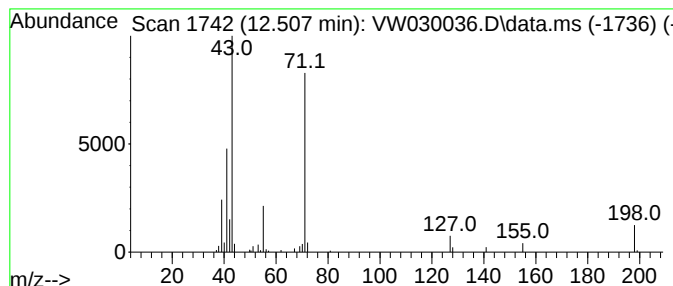
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 12 Pentane, 1-iodo- Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.507 | 1.76 ug/L | 47523 | Chlorobenzene-d5 | 11.629 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 1-iodo-              | 198 | C5H11I  | 000628-17-1 | 86   |
| 2    |    |   | Pentane, 2-iodo-              | 198 | C5H11I  | 000637-97-8 | 86   |
| 3    |    |   | Butane, 1-iodo-3-methyl-      | 198 | C5H11I  | 000541-28-6 | 80   |
| 4    |    |   | Pentane, 1-iodo-              | 198 | C5H11I  | 000628-17-1 | 74   |
| 5    |    |   | Propane, 1-iodo-2,2-dimethyl- | 198 | C5H11I  | 015501-33-4 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

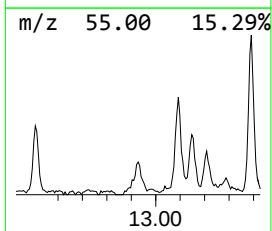
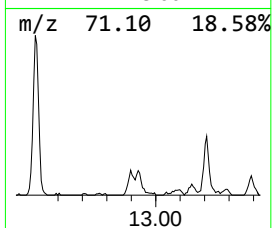
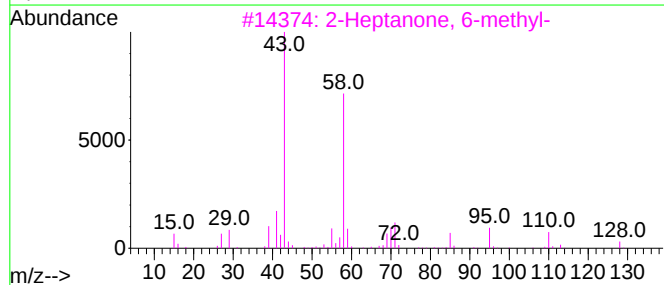
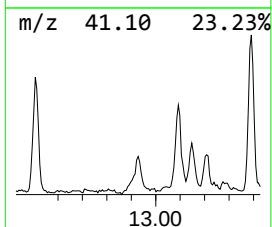
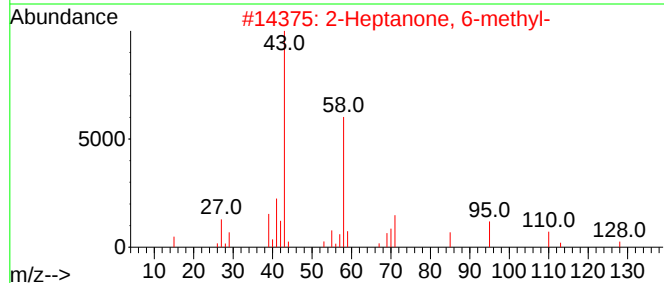
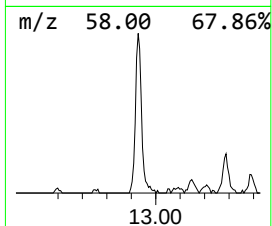
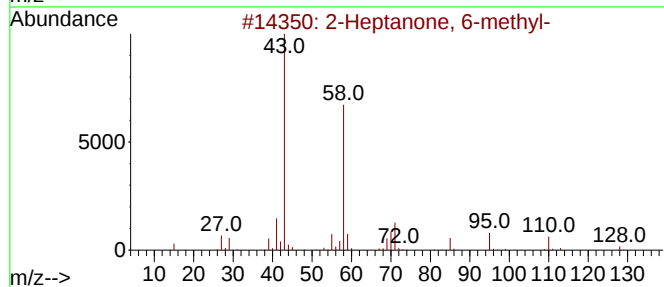
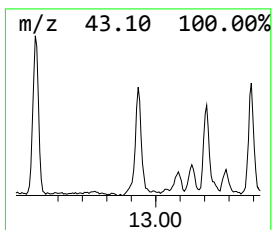
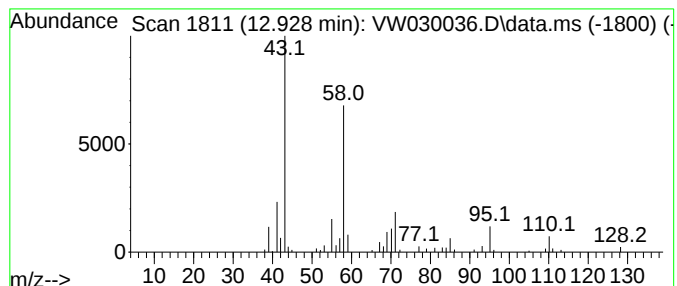
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 13 2-Heptanone, 6-methyl- Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.928 | 3.07 ug/L | 44206 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | 2-Heptanone, 6-methyl-   | 128 | C8H16O  | 000928-68-7 | 94   |
| 2    |      | 2-Heptanone, 6-methyl-   | 128 | C8H16O  | 000928-68-7 | 91   |
| 3    |      | 2-Heptanone, 6-methyl-   | 128 | C8H16O  | 000928-68-7 | 83   |
| 4    |      | 2-Isopropyl-5-oxohexanal | 156 | C9H16O2 | 015303-46-5 | 64   |
| 5    |      | Undecanal, 2-methyl-     | 184 | C12H24O | 000110-41-8 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0

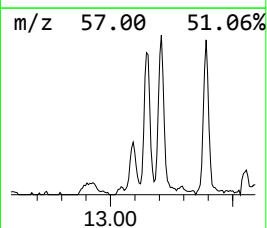
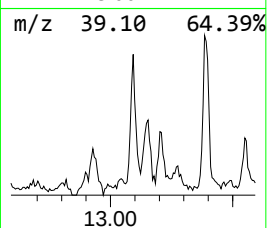
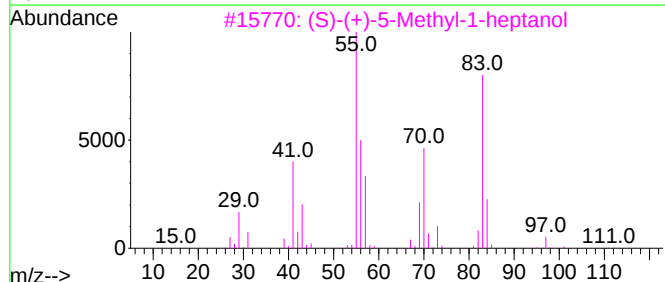
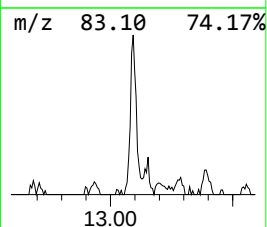
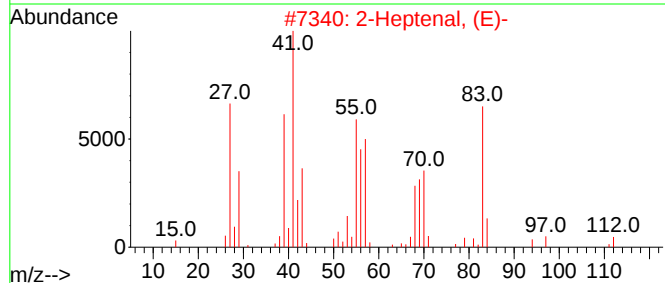
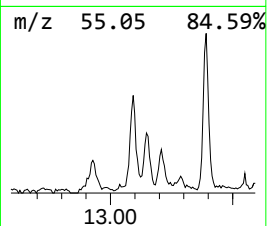
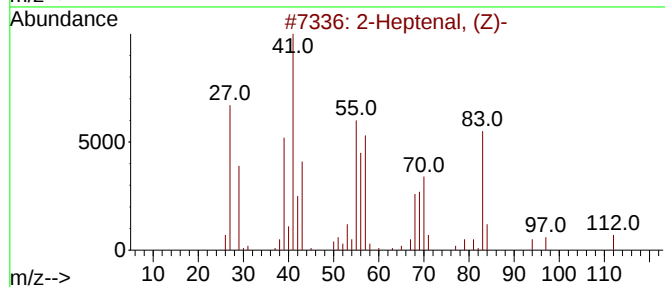
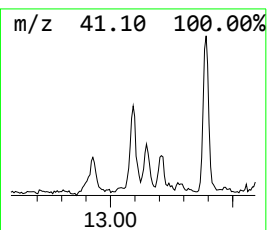
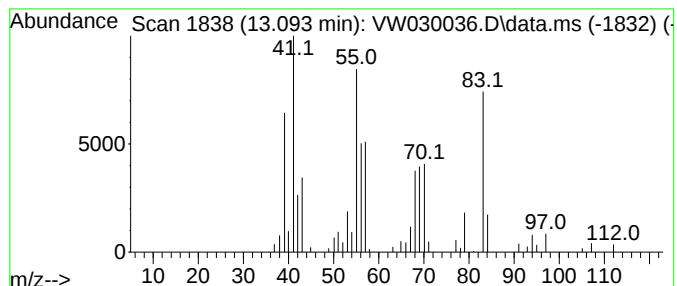
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 2-Heptenal, (Z)- Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.092 | 3.16 ug/L | 45435 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Heptenal, (Z)-                    | 112 | C7H12O  | 057266-86-1 | 90   |
| 2    |      | 2-Heptenal, (E)-                    | 112 | C7H12O  | 018829-55-5 | 90   |
| 3    |      | (S)-(+)-5-Methyl-1-heptanol         | 130 | C8H18O  | 057803-73-3 | 50   |
| 4    |      | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16   | 002613-65-2 | 50   |
| 5    |      | 4-Pentenal                          | 84  | C5H8O   | 002100-17-6 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

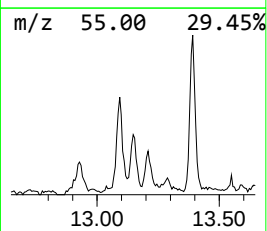
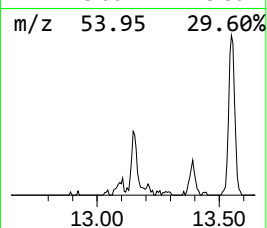
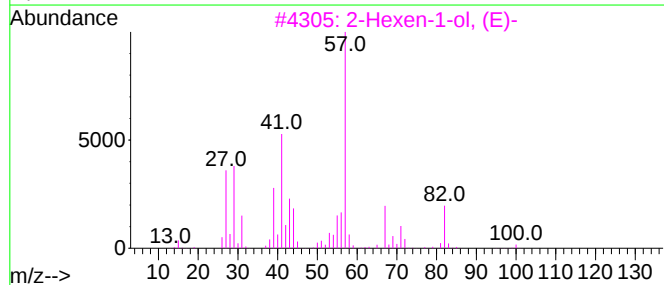
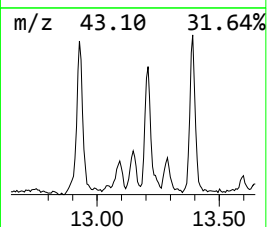
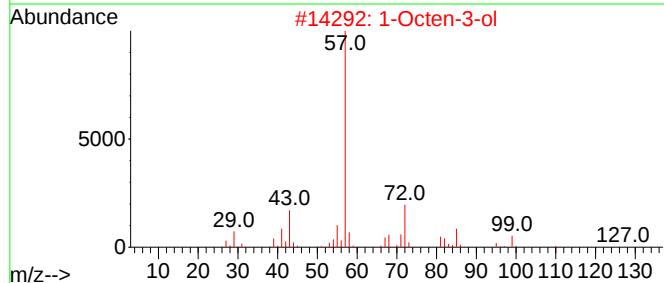
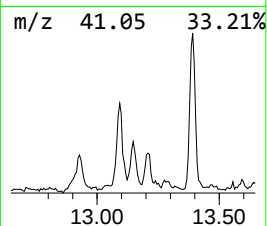
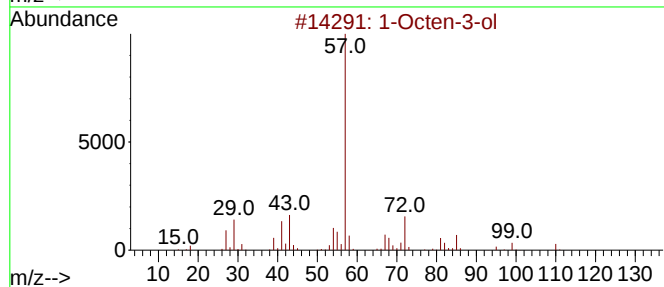
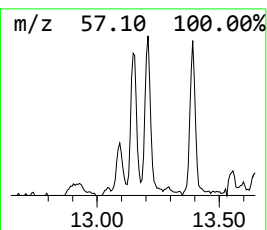
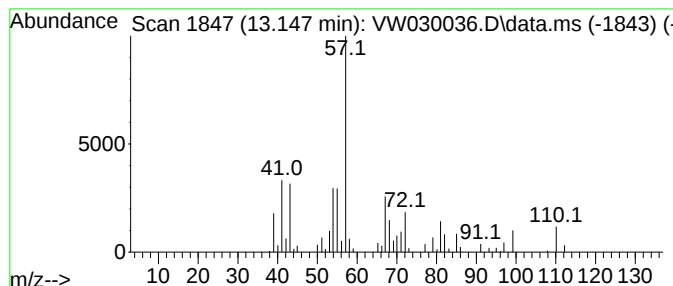
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Quant Title : SFAM01.0

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

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Peak Number 15 unknown-01 Concentration Rank 15

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.147 | 2.71 ug/L | 38981 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------|-----|---------|-------------|------|
| 1    |      | 1-Octen-3-ol       | 128 | C8H16O  | 003391-86-4 | 40   |
| 2    |      | 1-Octen-3-ol       | 128 | C8H16O  | 003391-86-4 | 38   |
| 3    |      | 2-Hexen-1-ol, (E)- | 100 | C6H12O  | 000928-95-0 | 38   |
| 4    |      | 1-Octen-3-ol       | 128 | C8H16O  | 003391-86-4 | 38   |
| 5    |      | 1-Hepten-3-ol      | 114 | C7H14O  | 004938-52-7 | 37   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

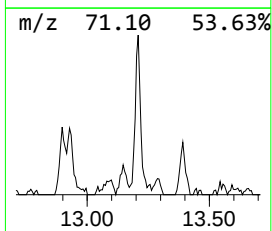
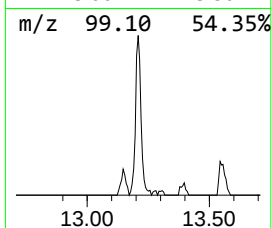
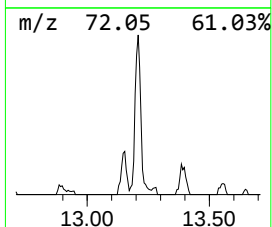
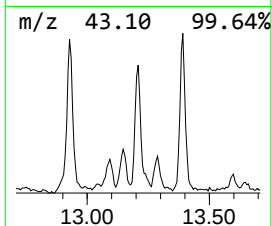
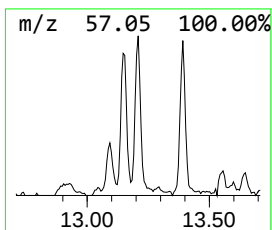
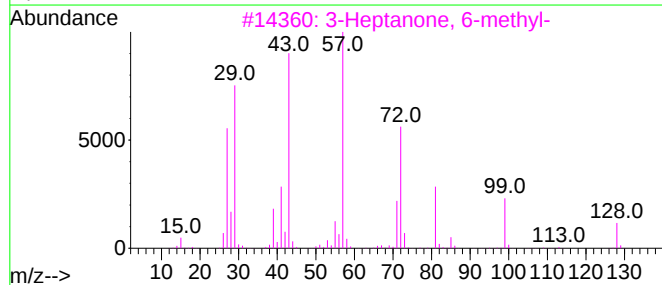
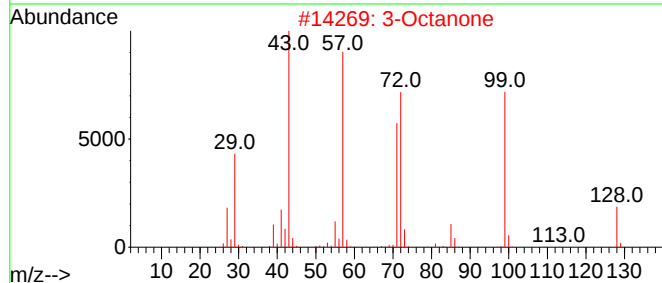
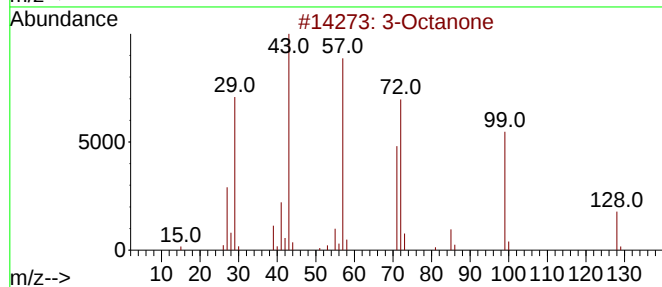
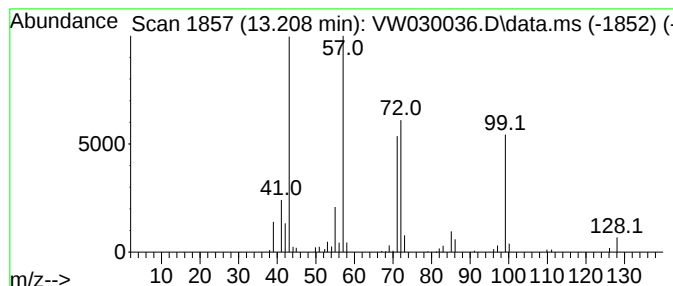
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 16 3-Octanone Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.208 | 2.91 ug/L | 41845 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Octanone             | 128 | C8H16O  | 000106-68-3 | 91   |
| 2    |    |   | 3-Octanone             | 128 | C8H16O  | 000106-68-3 | 90   |
| 3    |    |   | 3-Heptanone, 6-methyl- | 128 | C8H16O  | 000624-42-0 | 58   |
| 4    |    |   | 3-Octanone             | 128 | C8H16O  | 000106-68-3 | 52   |
| 5    |    |   | 3-Heptanone, 6-methyl- | 128 | C8H16O  | 000624-42-0 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

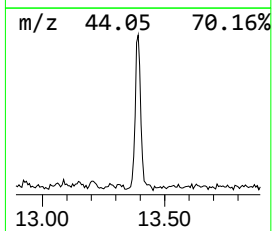
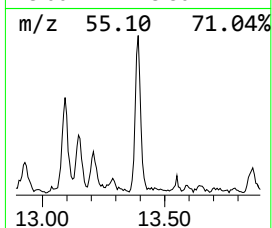
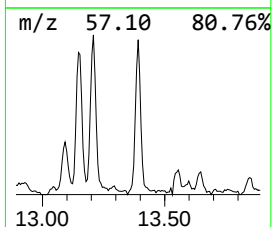
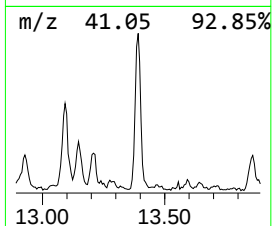
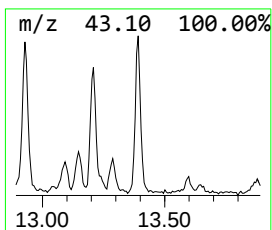
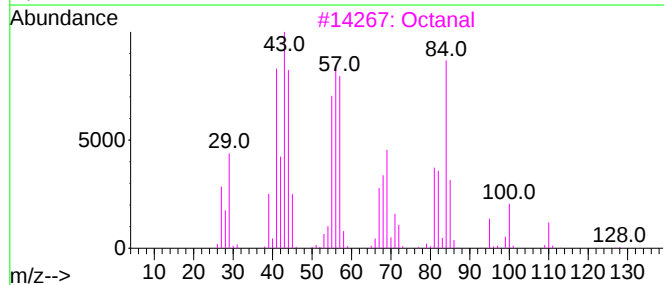
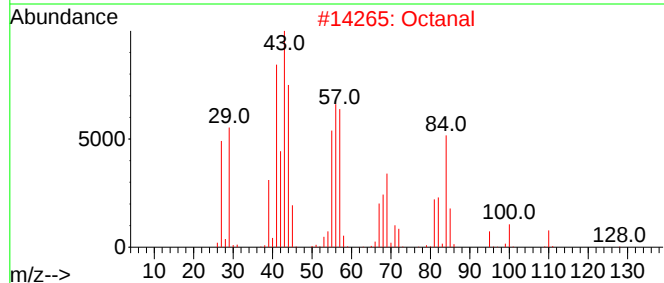
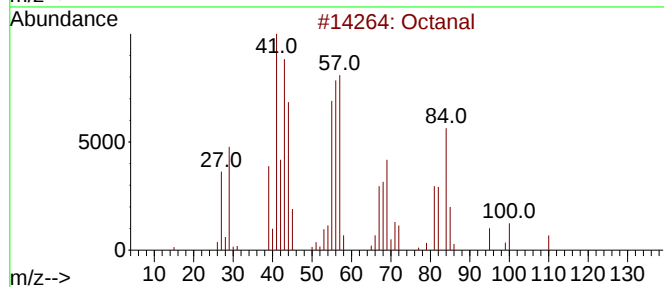
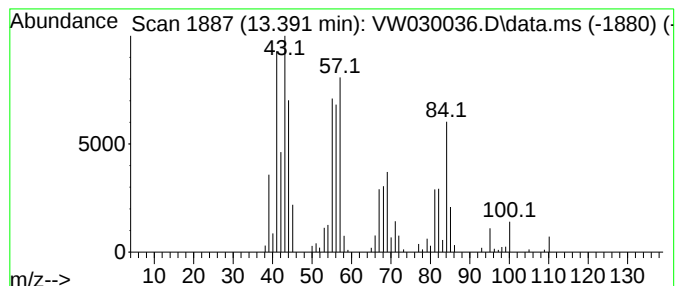
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 18 Octanal Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.391 | 6.21 ug/L | 89356 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of      | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------|---|--------------|-----|---------|-------------|------|
| 1    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 91   |
| 2    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 91   |
| 3    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 91   |
| 4    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 80   |
| 5    | Octanal |   |              | 128 | C8H16O  | 000124-13-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

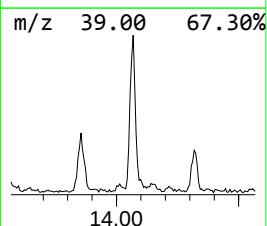
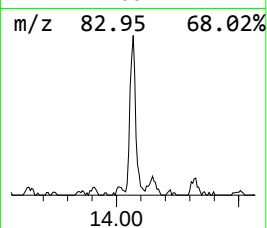
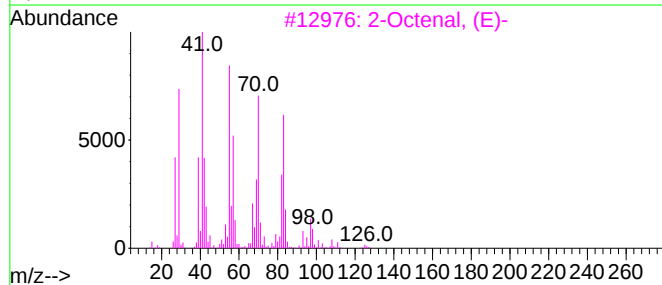
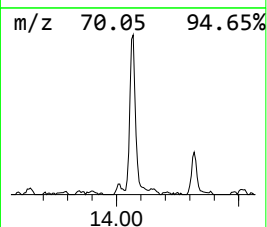
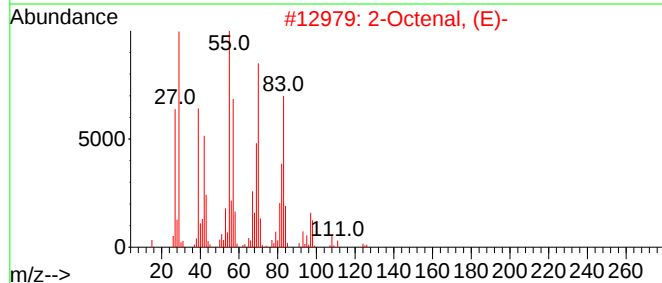
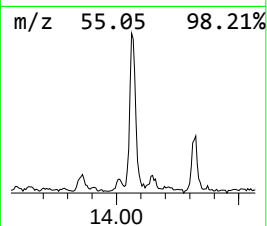
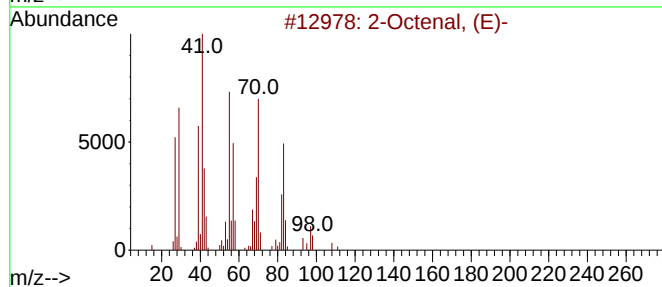
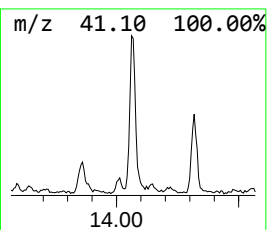
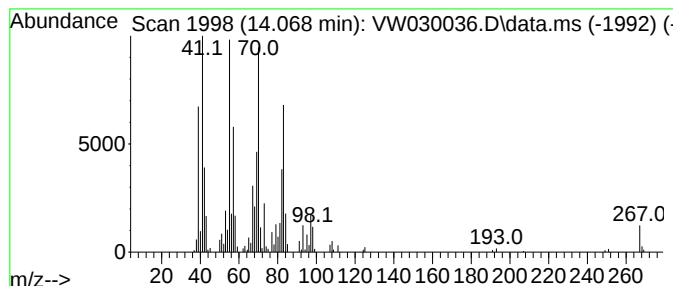
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 19 2-Octenal, (E)- Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.068 | 7.54 ug/L | 108456 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Octenal, (E)-               | 126 | C8H14O  | 002548-87-0 | 80   |
| 2    |      | 2-Octenal, (E)-               | 126 | C8H14O  | 002548-87-0 | 72   |
| 3    |      | 2-Octenal, (E)-               | 126 | C8H14O  | 002548-87-0 | 64   |
| 4    |      | 2-Octenal, (E)-               | 126 | C8H14O  | 002548-87-0 | 64   |
| 5    |      | 1-Butanol, 3-methyl-, formate | 116 | C6H12O2 | 000110-45-2 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

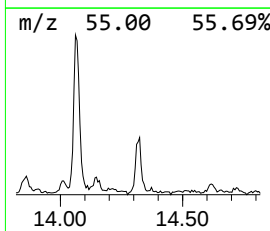
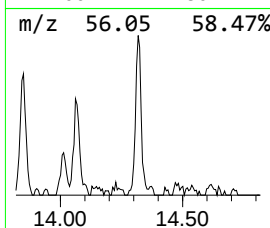
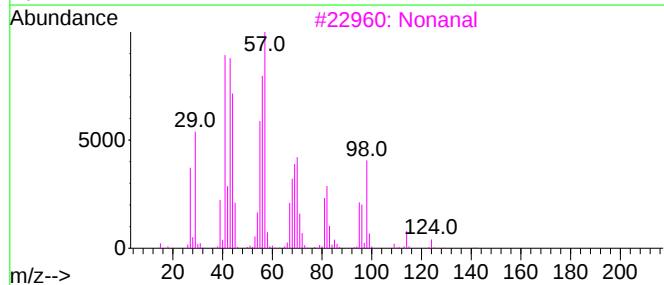
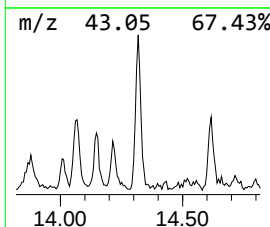
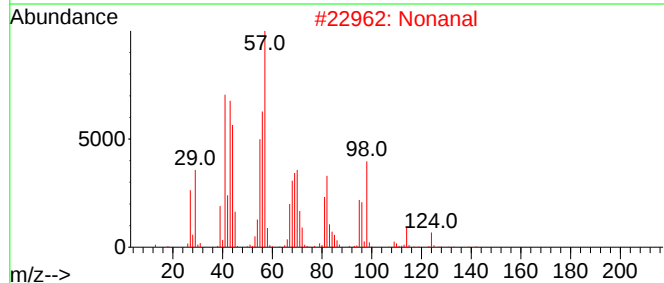
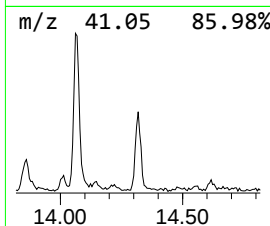
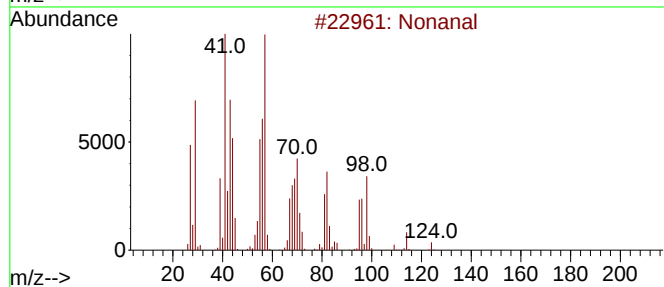
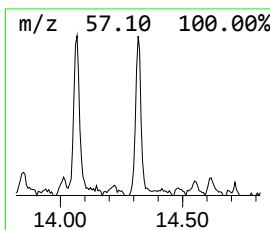
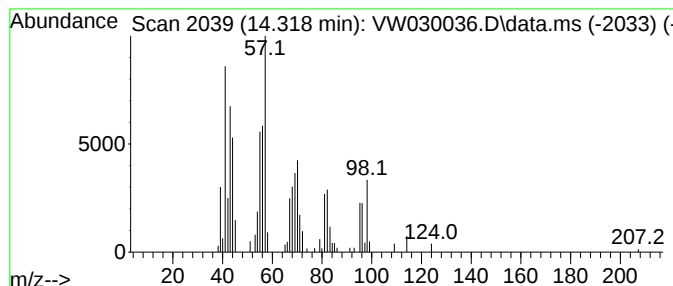
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 20 Nonanal Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.318 | 3.64 ug/L | 52361 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6  | 91   |
| 2    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6  | 86   |
| 3    |    |   | Nonanal                           | 142 | C9H18O   | 000124-19-6  | 80   |
| 4    |    |   | Cycloheptane                      | 98  | C7H14    | 000291-64-5  | 38   |
| 5    |    |   | Carbonic acid, heptyl vinyl ester | 186 | C10H18O3 | 1010383-25-4 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

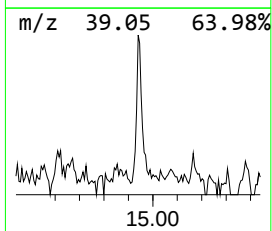
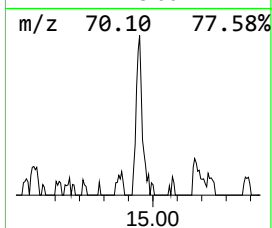
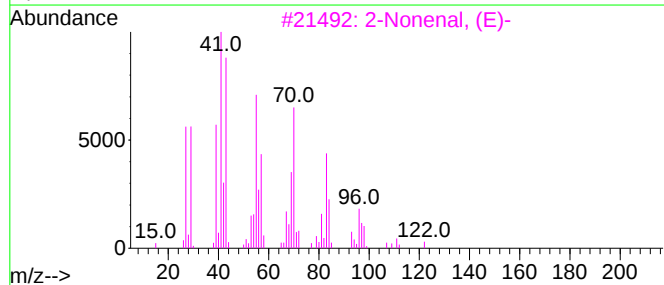
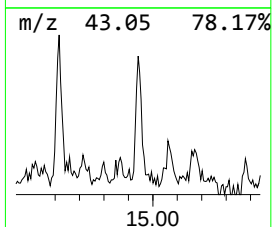
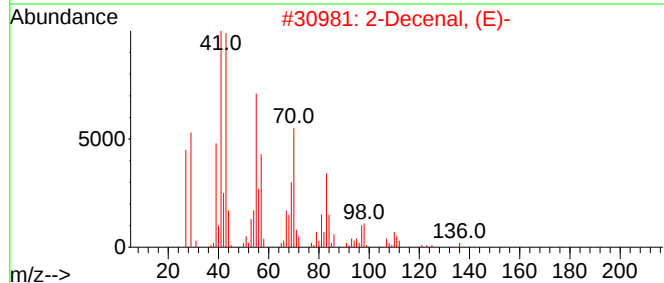
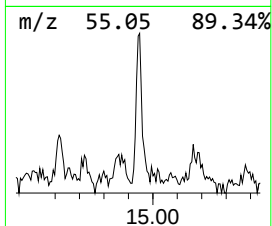
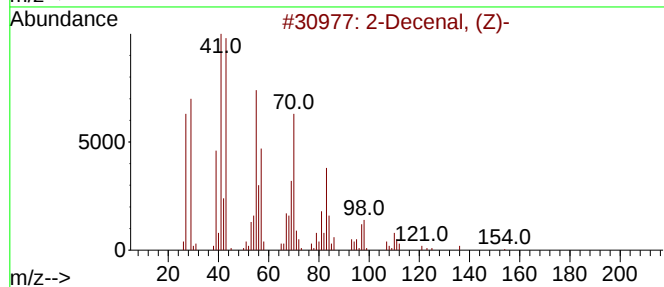
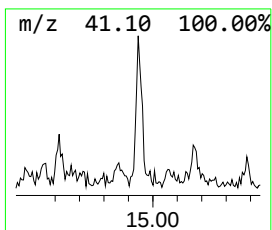
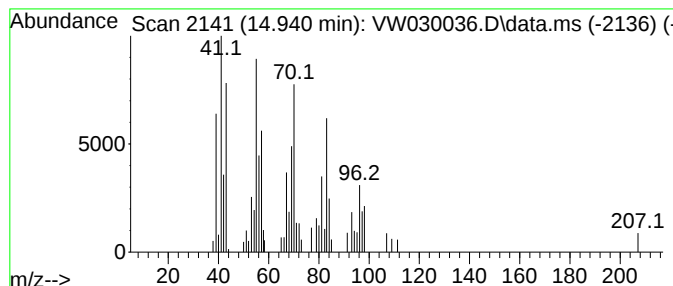
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 21 2-Decenal, (Z)- Concentration Rank 20

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.940 | 1.60 ug/L | 22989 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | 2-Decenal, (Z)- | 154 | C10H18O | 002497-25-8 | 72   |
| 2    |    |   | 2-Decenal, (E)- | 154 | C10H18O | 003913-81-3 | 64   |
| 3    |    |   | 2-Nonenal, (E)- | 140 | C9H16O  | 018829-56-6 | 59   |
| 4    |    |   | 2-Nonenal, (E)- | 140 | C9H16O  | 018829-56-6 | 59   |
| 5    |    |   | 2-Decenal, (E)- | 154 | C10H18O | 003913-81-3 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

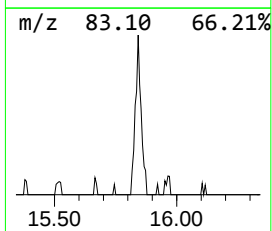
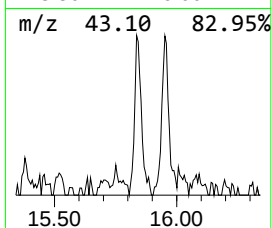
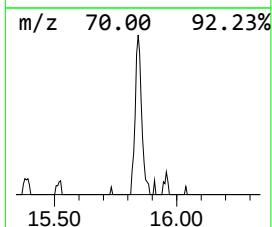
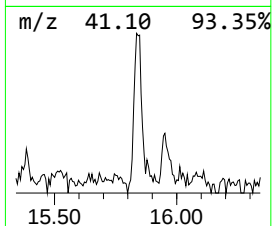
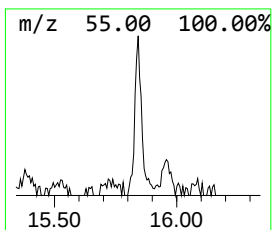
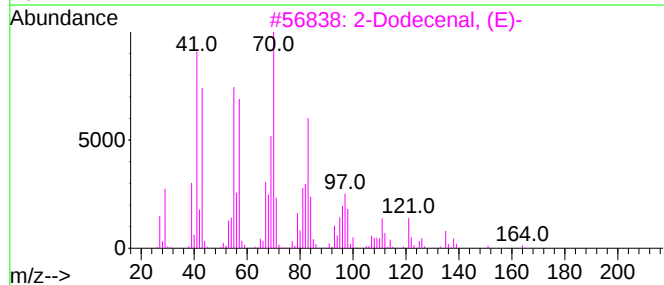
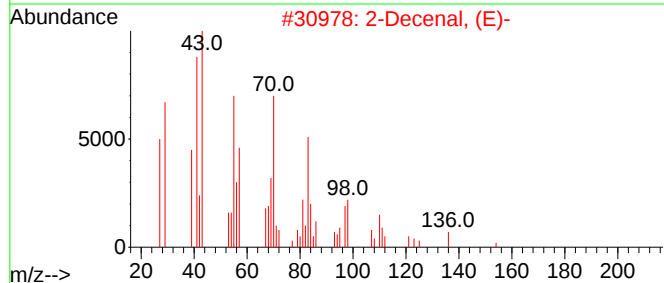
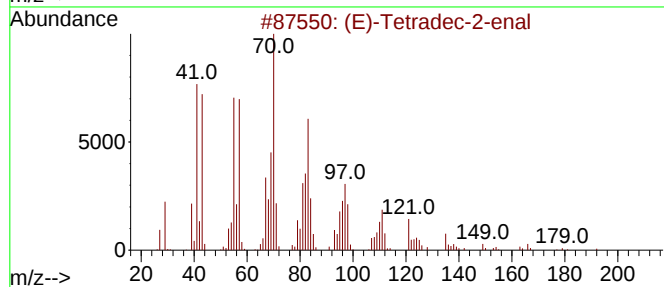
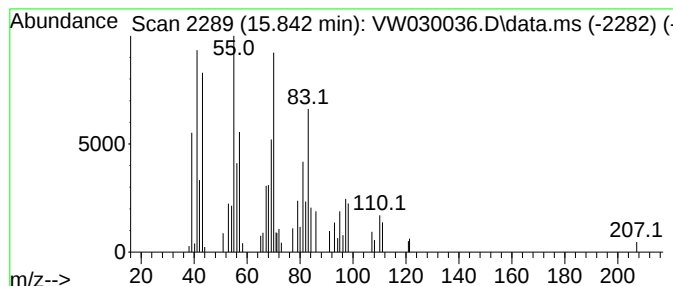
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 22 (E)-Tetradec-2-enal Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.842 | 1.96 ug/L | 28155 | 1,4-Dichlorobenzene-d4 | 13.550 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | (E)-Tetradec-2-enal       | 210 | C14H26O  | 051534-36-2 | 72   |
| 2    |    |   | 2-Decenal, (E)-           | 154 | C10H18O  | 003913-81-3 | 72   |
| 3    |    |   | 2-Dodecenal, (E)-         | 182 | C12H22O  | 020407-84-5 | 64   |
| 4    |    |   | (E)-Hexadec-2-enal        | 238 | C16H30O  | 022644-96-8 | 64   |
| 5    |    |   | 3,7-Dimethyloctyl acetate | 200 | C12H24O2 | 020780-49-8 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082724\  
Data File : VW030036.D  
Acq On : 27 Aug 2024 11:57  
Operator : SY/MD  
Sample : P3721-14  
Misc : 3.66g/10mL/MSVOA\_W/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DCY12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082624SMA.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 |
| Acetaldehyde       | 2.503  | 1.5     | ug/L  | 46369    | 1                     | 8.843  | 790868 | 25.0 |
| (DEL) Alkane: S... | 3.393  | 7.1     | ug/L  | 223759   | 1                     | 8.843  | 790868 | 25.0 |
| Methane, iodo-     | 4.271  | 1.4     | ug/L  | 43683    | 1                     | 8.843  | 790868 | 25.0 |
| Butanal            | 6.899  | 2.3     | ug/L  | 73789    | 1                     | 8.843  | 790868 | 25.0 |
| 2-Butanone, 3-m... | 8.703  | 3.0     | ug/L  | 96171    | 1                     | 8.843  | 790868 | 25.0 |
| Pentanal           | 9.404  | 11.6    | ug/L  | 366005   | 1                     | 8.843  | 790868 | 25.0 |
| Hexanal            | 11.069 | 58.6    | ug/L  | 1584370  | 2                     | 11.629 | 675797 | 25.0 |
| Furfural           | 11.837 | 3.6     | ug/L  | 96687    | 2                     | 11.629 | 675797 | 25.0 |
| 1-Hexanol          | 12.014 | 1.6     | ug/L  | 44357    | 2                     | 11.629 | 675797 | 25.0 |
| Heptanal           | 12.337 | 4.0     | ug/L  | 107290   | 2                     | 11.629 | 675797 | 25.0 |
| Pentane, 1-iodo-   | 12.507 | 1.8     | ug/L  | 47523    | 2                     | 11.629 | 675797 | 25.0 |
| 2-Heptanone, 6-... | 12.928 | 3.1     | ug/L  | 44206    | 3                     | 13.550 | 359777 | 25.0 |
| 2-Heptenal, (Z)-   | 13.092 | 3.2     | ug/L  | 45435    | 3                     | 13.550 | 359777 | 25.0 |
| unknown-01         | 13.147 | 2.7     | ug/L  | 38981    | 3                     | 13.550 | 359777 | 25.0 |
| 3-Octanone         | 13.208 | 2.9     | ug/L  | 41845    | 3                     | 13.550 | 359777 | 25.0 |
| Octanal            | 13.391 | 6.2     | ug/L  | 89356    | 3                     | 13.550 | 359777 | 25.0 |
| 2-Octenal, (E)-    | 14.068 | 7.5     | ug/L  | 108456   | 3                     | 13.550 | 359777 | 25.0 |
| Nonanal            | 14.318 | 3.6     | ug/L  | 52361    | 3                     | 13.550 | 359777 | 25.0 |
| 2-Decenal, (Z)-    | 14.940 | 1.6     | ug/L  | 22989    | 3                     | 13.550 | 359777 | 25.0 |
| (E)-Tetradec-2-... | 15.842 | 2.0     | ug/L  | 28155    | 3                     | 13.550 | 359777 | 25.0 |