

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
 Data File : VW021937.D  
 Acq On : 15 Jan 2022 04:55  
 Operator : SY/VA  
 Sample : N1155-10  
 Misc : 5.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGLW4

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\SFAMWLM011122SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021937.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         | 2.154       | 38            | 41          | 44           | rBV2     | 904            | 1197          | 0.07%           | 0.006%        |
| 2         | 2.196       | 44            | 48          | 49           | rBV      | 1289           | 1442          | 0.08%           | 0.007%        |
| 3         | 2.221       | 49            | 52          | 54           | rVV4     | 1005           | 1501          | 0.08%           | 0.007%        |
| 4         | 2.245       | 54            | 56          | 58           | rVV2     | 882            | 991           | 0.05%           | 0.005%        |
| 5         | 2.263       | 58            | 59          | 63           | rVB4     | 865            | 859           | 0.05%           | 0.004%        |
| 6         | 2.355       | 68            | 74          | 81           | rVB      | 53889          | 88777         | 4.82%           | 0.430%        |
| 7         | 2.501       | 93            | 98          | 101          | rBV2     | 2056           | 3380          | 0.18%           | 0.016%        |
| 8         | 2.587       | 110           | 112         | 116          | rBV4     | 556            | 534           | 0.03%           | 0.003%        |
| 9         | 2.715       | 123           | 133         | 135          | rBV9     | 2856           | 8489          | 0.46%           | 0.041%        |
| 10        | 2.885       | 155           | 161         | 170          | rVB      | 35563          | 74499         | 4.05%           | 0.361%        |
| 11        | 2.958       | 171           | 173         | 176          | rVB3     | 756            | 725           | 0.04%           | 0.004%        |
| 12        | 3.032       | 181           | 185         | 189          | rBV6     | 674            | 1063          | 0.06%           | 0.005%        |
| 13        | 3.111       | 196           | 198         | 201          | rVB4     | 992            | 734           | 0.04%           | 0.004%        |
| 14        | 3.141       | 201           | 203         | 212          | rVB5     | 2222           | 3526          | 0.19%           | 0.017%        |
| 15        | 3.312       | 226           | 231         | 236          | rVB5     | 465            | 740           | 0.04%           | 0.004%        |
| 16        | 4.019       | 336           | 347         | 359          | rBV      | 76247          | 212896        | 11.56%          | 1.032%        |
| 17        | 4.135       | 359           | 366         | 379          | rVB      | 5953           | 17876         | 0.97%           | 0.087%        |
| 18        | 4.379       | 395           | 406         | 407          | rBV      | 3212           | 5202          | 0.28%           | 0.025%        |
| 19        | 4.556       | 431           | 435         | 440          | rVB      | 365            | 585           | 0.03%           | 0.003%        |
| 20        | 4.909       | 487           | 493         | 494          | rBV4     | 1313           | 2186          | 0.12%           | 0.011%        |
| 21        | 4.970       | 501           | 503         | 506          | rVB4     | 608            | 581           | 0.03%           | 0.003%        |
| 22        | 5.775       | 630           | 635         | 636          | rBV2     | 782            | 1024          | 0.06%           | 0.005%        |
| 23        | 5.812       | 639           | 641         | 649          | rVB3     | 889            | 1396          | 0.08%           | 0.007%        |
| 24        | 5.927       | 658           | 660         | 662          | rBV2     | 698            | 847           | 0.05%           | 0.004%        |
| 25        | 6.708       | 781           | 788         | 791          | rBV3     | 500            | 817           | 0.04%           | 0.004%        |
| 26        | 6.885       | 813           | 817         | 822          | rBV4     | 601            | 1353          | 0.07%           | 0.007%        |
| 27        | 6.982       | 828           | 833         | 834          | rBV4     | 1501           | 1691          | 0.09%           | 0.008%        |
| 28        | 7.080       | 841           | 849         | 860          | rBV      | 16494          | 47281         | 2.57%           | 0.229%        |
| 29        | 7.177       | 864           | 865         | 873          | rVB5     | 1632           | 2614          | 0.14%           | 0.013%        |
| 30        | 7.256       | 874           | 878         | 880          | rBV3     | 777            | 1275          | 0.07%           | 0.006%        |
| 31        | 7.439       | 904           | 908         | 910          | rBV4     | 707            | 687           | 0.04%           | 0.003%        |
| 32        | 7.525       | 918           | 922         | 930          | rVB6     | 1626           | 3968          | 0.22%           | 0.019%        |
| 33        | 7.653       | 930           | 943         | 957          | rBV      | 113902         | 294799        | 16.01%          | 1.429%        |
| 34        | 7.854       | 968           | 976         | 983          | rBV9     | 1632           | 3966          | 0.22%           | 0.019%        |
| 35        | 7.909       | 983           | 985         | 986          | rBV2     | 880            | 868           | 0.05%           | 0.004%        |
| 36        | 7.927       | 986           | 988         | 990          | rVV3     | 767            | 737           | 0.04%           | 0.004%        |

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 MSVOA\_W  
 ClientSampleId :  
 BGLW4

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\SFAMWLM011122SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 7.958  | 992  | 993  | 1000 | rVB6 | 1462   | 2321    | 0.13%  | 0.011% |
| 38 | 8.049  | 1000 | 1008 | 1014 | rVB8 | 2632   | 6602    | 0.36%  | 0.032% |
| 39 | 8.122  | 1016 | 1020 | 1021 | rBV3 | 484    | 693     | 0.04%  | 0.003% |
| 40 | 8.165  | 1021 | 1027 | 1031 | rBV8 | 1941   | 3907    | 0.21%  | 0.019% |
| 41 | 8.275  | 1034 | 1045 | 1063 | rBV2 | 210424 | 663058  | 36.01% | 3.214% |
| 42 | 8.512  | 1076 | 1084 | 1090 | rBV6 | 7582   | 17936   | 0.97%  | 0.087% |
| 43 | 8.689  | 1107 | 1113 | 1114 | rBV6 | 2245   | 4513    | 0.25%  | 0.022% |
| 44 | 8.842  | 1130 | 1138 | 1147 | rBV  | 218951 | 441452  | 23.97% | 2.140% |
| 45 | 8.921  | 1149 | 1151 | 1152 | rBV2 | 1593   | 986     | 0.05%  | 0.005% |
| 46 | 9.006  | 1162 | 1165 | 1169 | rVB6 | 1919   | 2601    | 0.14%  | 0.013% |
| 47 | 9.073  | 1170 | 1176 | 1181 | rBV3 | 10360  | 21924   | 1.19%  | 0.106% |
| 48 | 9.274  | 1202 | 1209 | 1217 | rBV  | 146264 | 291301  | 15.82% | 1.412% |
| 49 | 10.036 | 1328 | 1334 | 1341 | rBV  | 73274  | 130092  | 7.07%  | 0.631% |
| 50 | 10.323 | 1374 | 1381 | 1388 | rBV  | 329236 | 589273  | 32.00% | 2.856% |
| 51 | 10.579 | 1418 | 1423 | 1430 | rBV  | 42975  | 72967   | 3.96%  | 0.354% |
| 52 | 10.927 | 1475 | 1480 | 1488 | rVB  | 67133  | 107423  | 5.83%  | 0.521% |
| 53 | 11.634 | 1590 | 1596 | 1605 | rVB  | 300650 | 552503  | 30.01% | 2.678% |
| 54 | 11.731 | 1606 | 1612 | 1620 | rVB  | 621111 | 1011708 | 54.94% | 4.904% |
| 55 | 11.841 | 1623 | 1630 | 1638 | rBV  | 642117 | 1148139 | 62.35% | 5.566% |
| 56 | 12.164 | 1679 | 1683 | 1689 | rVB  | 81112  | 135564  | 7.36%  | 0.657% |
| 57 | 12.463 | 1726 | 1732 | 1745 | rVB  | 844601 | 1403035 | 76.20% | 6.801% |
| 58 | 12.688 | 1765 | 1769 | 1782 | rVB2 | 161047 | 333482  | 18.11% | 1.617% |
| 59 | 12.804 | 1783 | 1788 | 1792 | rBV  | 103327 | 172801  | 9.38%  | 0.838% |
| 60 | 12.865 | 1793 | 1798 | 1800 | rVV  | 126882 | 231955  | 12.60% | 1.124% |
| 61 | 12.896 | 1800 | 1803 | 1807 | rVV  | 268148 | 487941  | 26.50% | 2.365% |
| 62 | 12.938 | 1807 | 1810 | 1823 | rVB2 | 201923 | 397798  | 21.60% | 1.928% |
| 63 | 13.103 | 1832 | 1837 | 1844 | rVB  | 182852 | 349686  | 18.99% | 1.695% |
| 64 | 13.249 | 1855 | 1861 | 1866 | rBV  | 877743 | 1355187 | 73.60% | 6.569% |
| 65 | 13.322 | 1867 | 1873 | 1874 | rBV  | 70949  | 123614  | 6.71%  | 0.599% |
| 66 | 13.444 | 1888 | 1893 | 1897 | rBV3 | 67421  | 165448  | 8.99%  | 0.802% |
| 67 | 13.554 | 1906 | 1911 | 1914 | rBV  | 343261 | 603813  | 32.79% | 2.927% |
| 68 | 13.719 | 1934 | 1938 | 1939 | rBV2 | 53463  | 68672   | 3.73%  | 0.333% |
| 69 | 13.755 | 1939 | 1944 | 1948 | rVV2 | 210974 | 393144  | 21.35% | 1.906% |
| 70 | 13.853 | 1955 | 1960 | 1968 | rVB  | 295727 | 572268  | 31.08% | 2.774% |
| 71 | 13.938 | 1969 | 1974 | 1982 | rVV4 | 127045 | 309946  | 16.83% | 1.502% |
| 72 | 14.005 | 1982 | 1985 | 1987 | rVV  | 71028  | 103793  | 5.64%  | 0.503% |
| 73 | 14.036 | 1988 | 1990 | 1994 | rVV  | 83956  | 124897  | 6.78%  | 0.605% |
| 74 | 14.091 | 1995 | 1999 | 2006 | rVB  | 129471 | 224864  | 12.21% | 1.090% |
| 75 | 14.200 | 2012 | 2017 | 2022 | rVB2 | 56255  | 95024   | 5.16%  | 0.461% |
| 76 | 14.334 | 2036 | 2039 | 2044 | rVB3 | 43150  | 67431   | 3.66%  | 0.327% |

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Instrument :  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Min Area: 0 % of largest Peak

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Max Peaks: 100

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Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |         |         |        |
|-----|--------|------|------|------|------|--------|---------|---------|--------|
| 77  | 14.414 | 2049 | 2052 | 2055 | rVV  | 84557  | 114584  | 6.22%   | 0.555% |
| 78  | 14.456 | 2055 | 2059 | 2062 | rVV  | 111357 | 153852  | 8.36%   | 0.746% |
| 79  | 14.493 | 2062 | 2065 | 2069 | rVB3 | 33643  | 42593   | 2.31%   | 0.206% |
| 80  | 14.682 | 2092 | 2096 | 2099 | rBV2 | 65597  | 103790  | 5.64%   | 0.503% |
| 81  | 14.719 | 2099 | 2102 | 2107 | rVV2 | 62043  | 96557   | 5.24%   | 0.468% |
| 82  | 14.792 | 2108 | 2114 | 2120 | rVV2 | 132881 | 324578  | 17.63%  | 1.573% |
| 83  | 14.853 | 2121 | 2124 | 2130 | rVB3 | 29193  | 51162   | 2.78%   | 0.248% |
| 84  | 14.950 | 2137 | 2140 | 2148 | rVB4 | 46272  | 86151   | 4.68%   | 0.418% |
| 85  | 15.066 | 2153 | 2159 | 2170 | rVV4 | 87363  | 260842  | 14.17%  | 1.264% |
| 86  | 15.164 | 2171 | 2175 | 2184 | rVB3 | 60605  | 129169  | 7.02%   | 0.626% |
| 87  | 15.359 | 2196 | 2207 | 2214 | rBV  | 991927 | 1841311 | 100.00% | 8.926% |
| 88  | 15.462 | 2219 | 2224 | 2230 | rVV3 | 54181  | 127355  | 6.92%   | 0.617% |
| 89  | 15.548 | 2234 | 2238 | 2246 | rVB  | 78252  | 128373  | 6.97%   | 0.622% |
| 90  | 15.651 | 2248 | 2255 | 2261 | rVV  | 65993  | 131144  | 7.12%   | 0.636% |
| 91  | 15.724 | 2263 | 2267 | 2273 | rVB6 | 16405  | 28540   | 1.55%   | 0.138% |
| 92  | 15.822 | 2278 | 2283 | 2294 | rVB2 | 36588  | 106785  | 5.80%   | 0.518% |
| 93  | 15.944 | 2298 | 2303 | 2309 | rVV  | 34996  | 62958   | 3.42%   | 0.305% |
| 94  | 16.023 | 2309 | 2316 | 2321 | rVB3 | 26850  | 60048   | 3.26%   | 0.291% |
| 95  | 16.133 | 2330 | 2334 | 2343 | rBV7 | 17784  | 47501   | 2.58%   | 0.230% |
| 96  | 16.212 | 2343 | 2347 | 2352 | rVB4 | 17789  | 32245   | 1.75%   | 0.156% |
| 97  | 16.279 | 2353 | 2358 | 2364 | rVB  | 41582  | 69225   | 3.76%   | 0.336% |
| 98  | 16.432 | 2376 | 2383 | 2389 | rBV  | 857252 | 1839267 | 99.89%  | 8.916% |
| 99  | 16.486 | 2389 | 2392 | 2398 | rVB  | 234660 | 373185  | 20.27%  | 1.809% |
| 100 | 16.639 | 2408 | 2417 | 2426 | rVB  | 358923 | 837328  | 45.47%  | 4.059% |

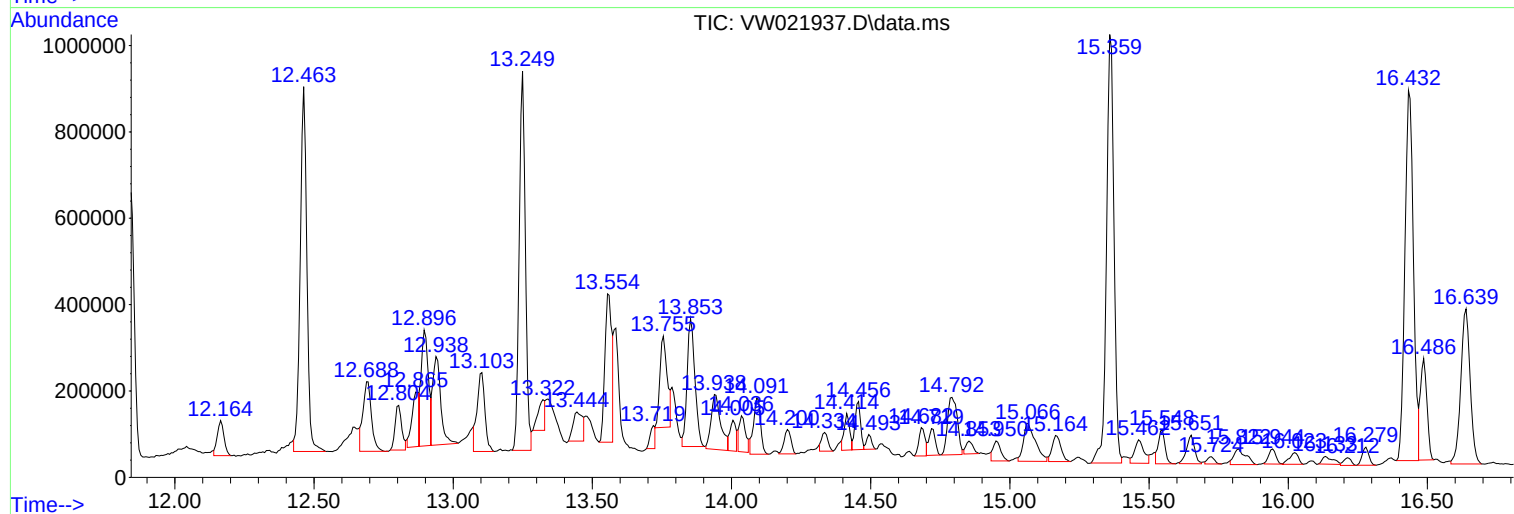
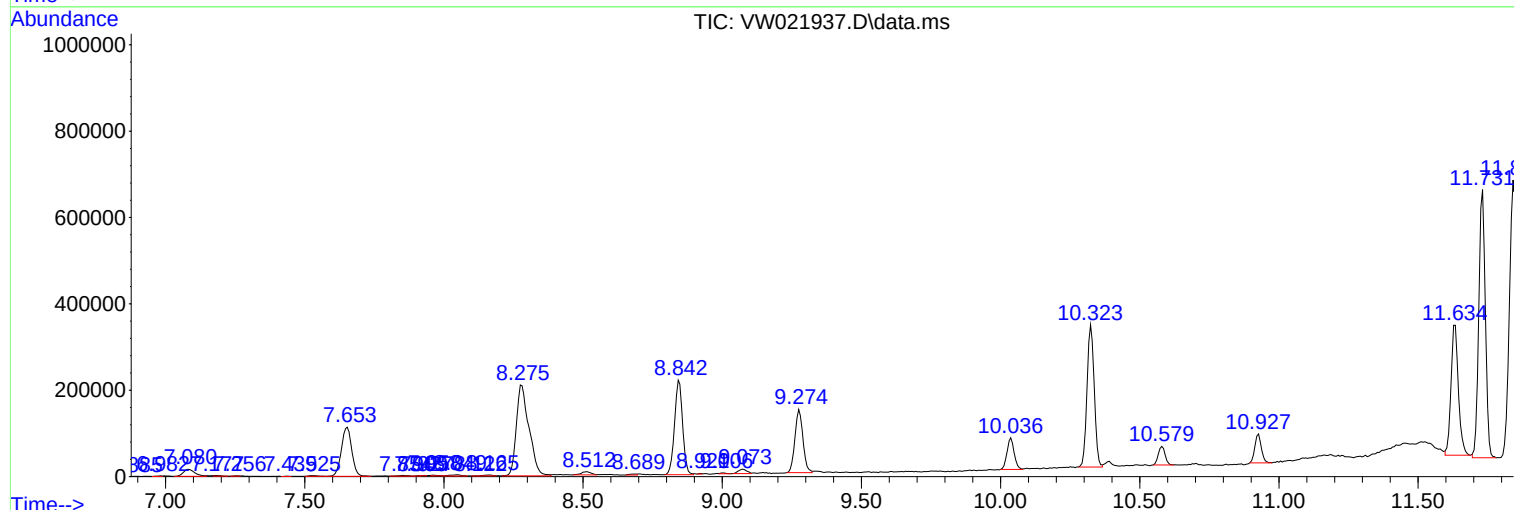
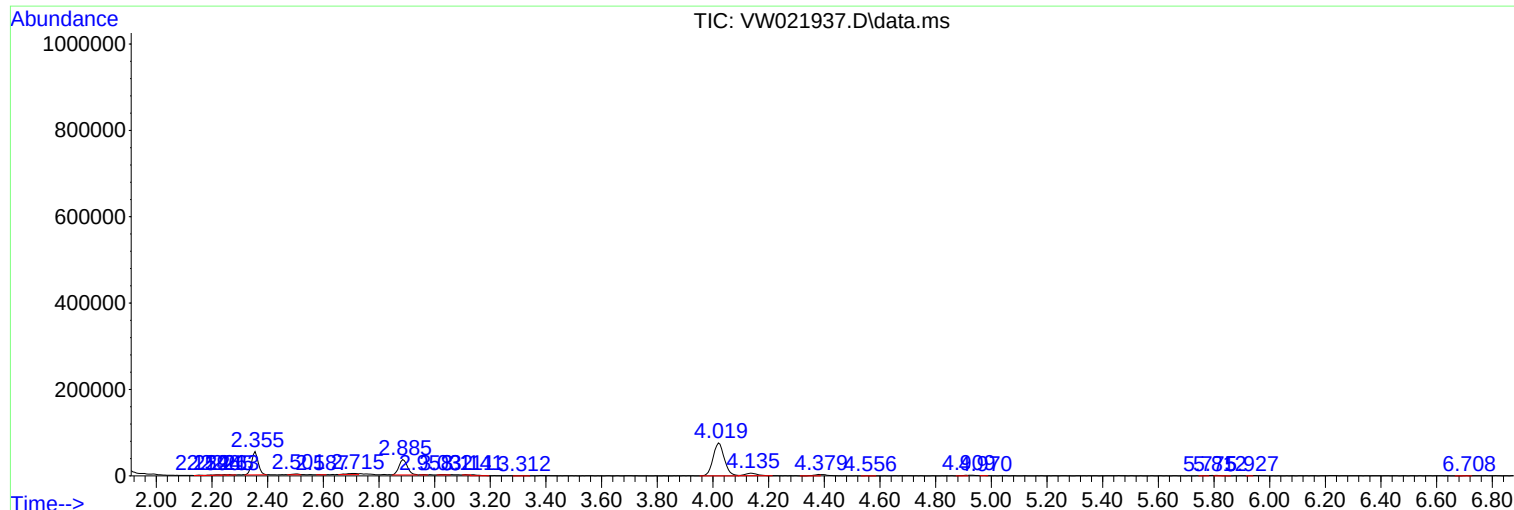
Sum of corrected areas: 20629411

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Instrument :  
MSVOA\_W  
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BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
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Instrument :  
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BGLW4

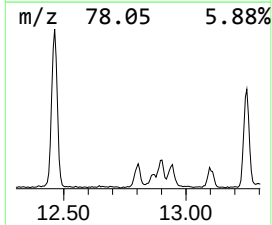
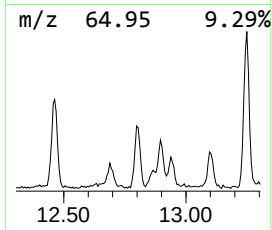
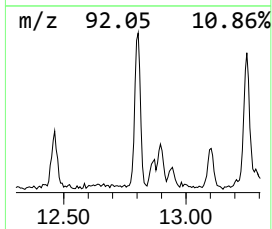
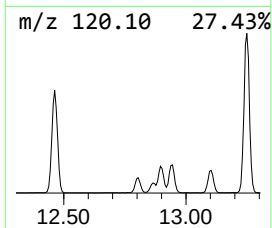
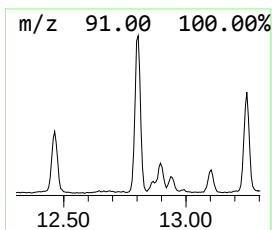
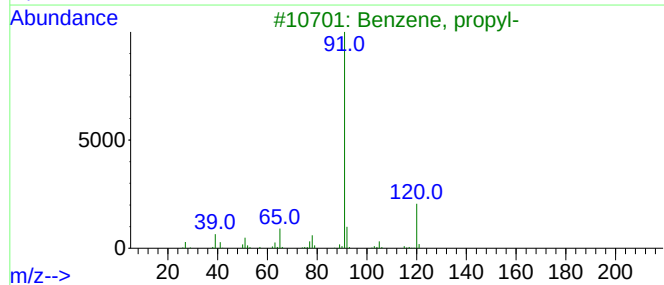
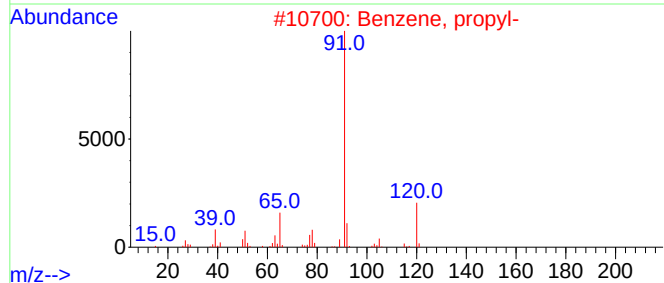
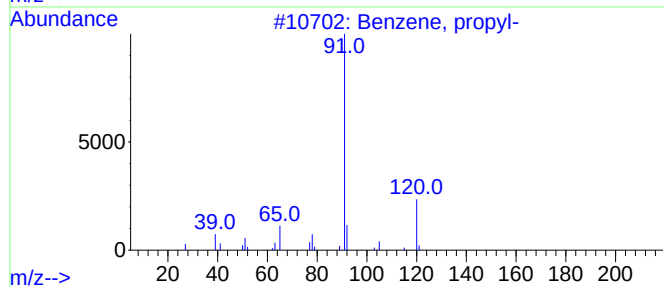
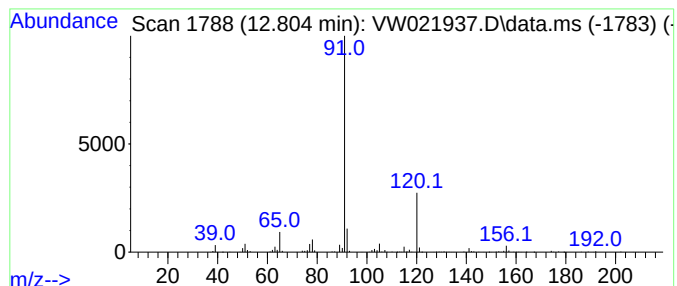
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 2 Benzene, propyl- Concentration Rank 13

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.804 | 7.15 ug/L | 172801 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, propyl-          | 120 | C9H12   | 000103-65-1 | 87   |
| 2    |    |   | Benzene, propyl-          | 120 | C9H12   | 000103-65-1 | 87   |
| 3    |    |   | Benzene, propyl-          | 120 | C9H12   | 000103-65-1 | 83   |
| 4    |    |   | Benzene, propyl-          | 120 | C9H12   | 000103-65-1 | 83   |
| 5    |    |   | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 72   |



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Instrument :  
MSVOA\_W  
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BGLW4

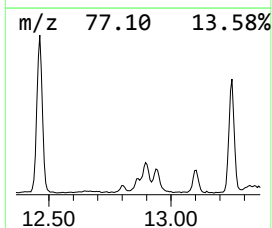
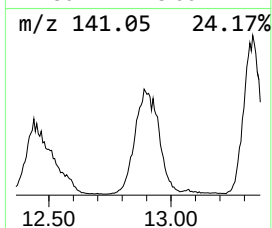
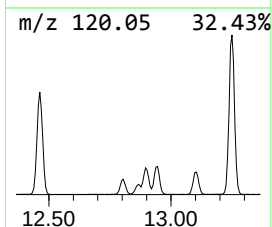
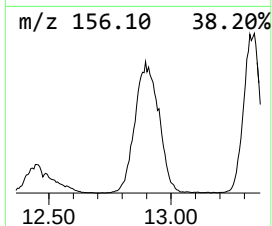
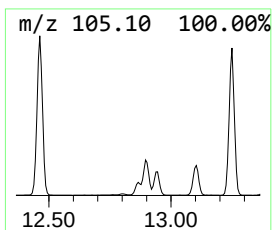
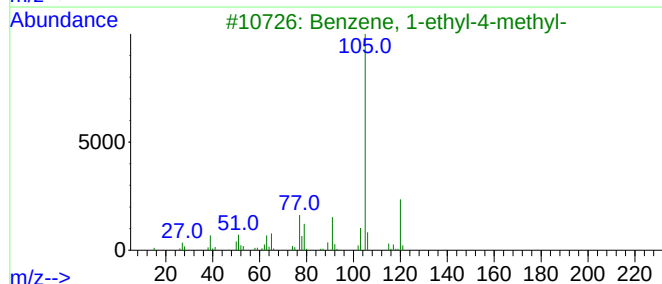
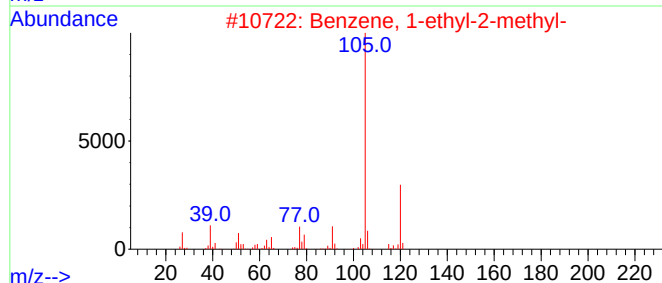
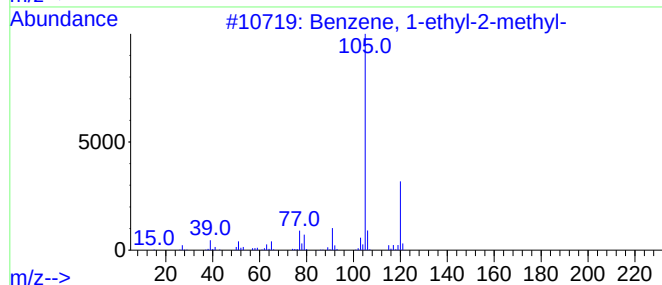
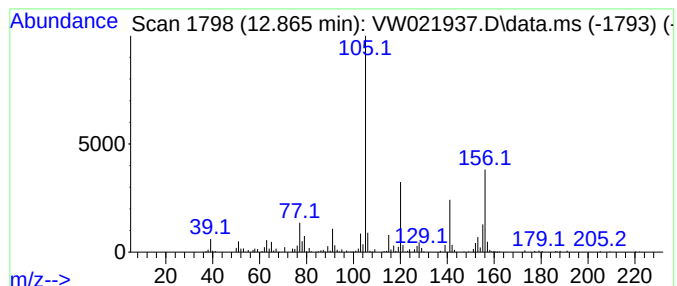
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.865 | 9.60 ug/L | 231955 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 64   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 64   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 60   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 47   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

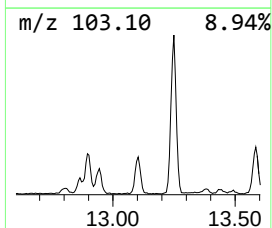
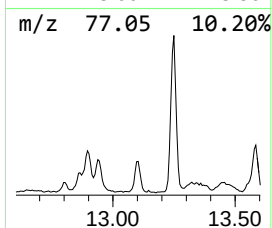
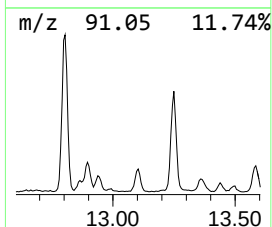
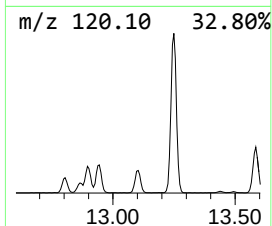
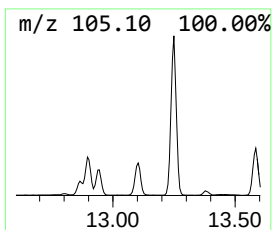
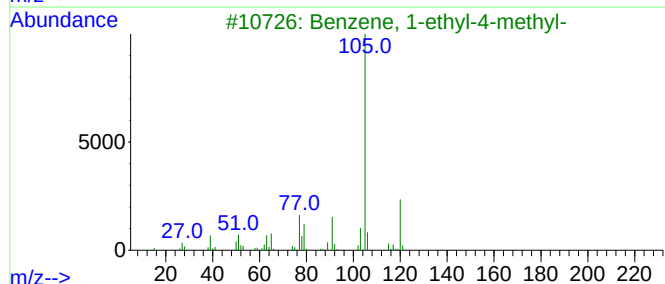
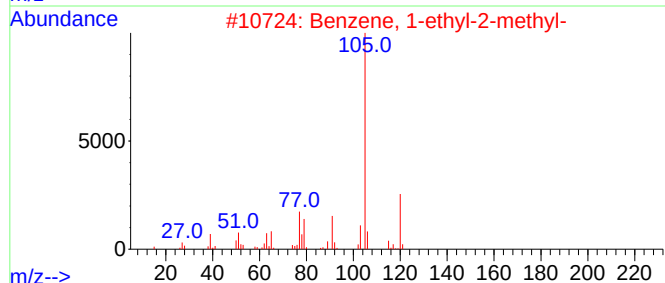
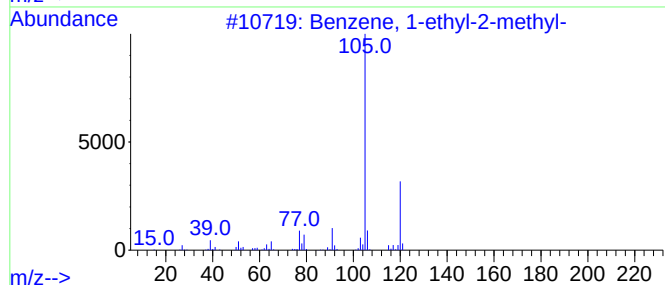
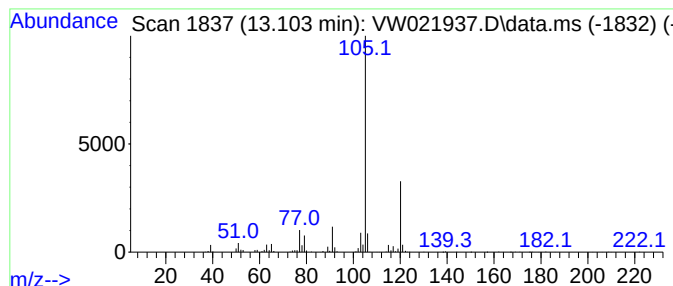
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.103 | 14.48 ug/L | 349686 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 4    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 91   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

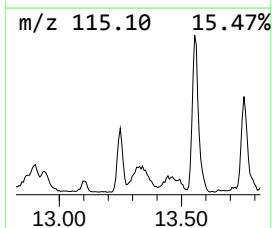
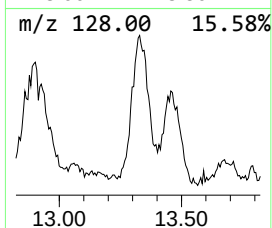
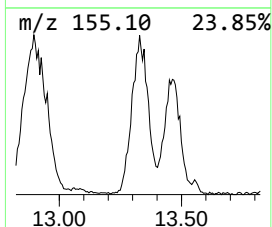
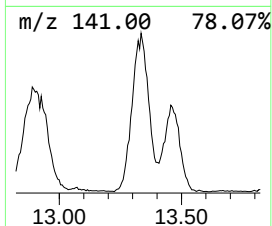
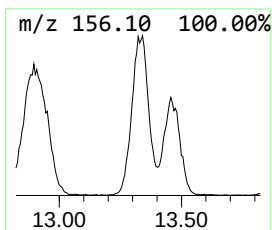
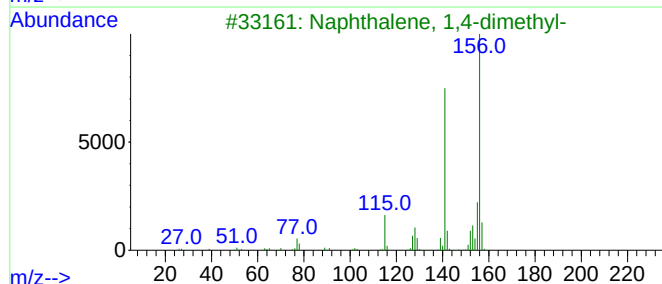
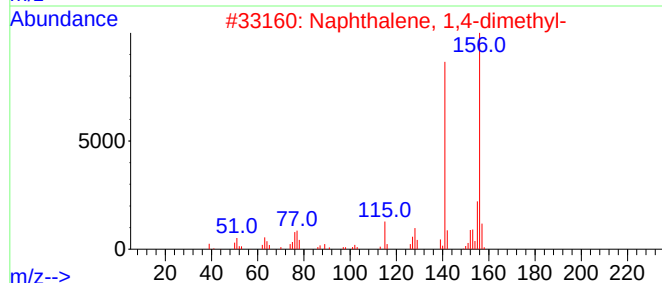
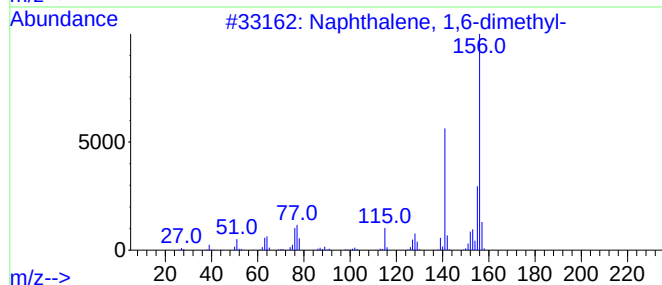
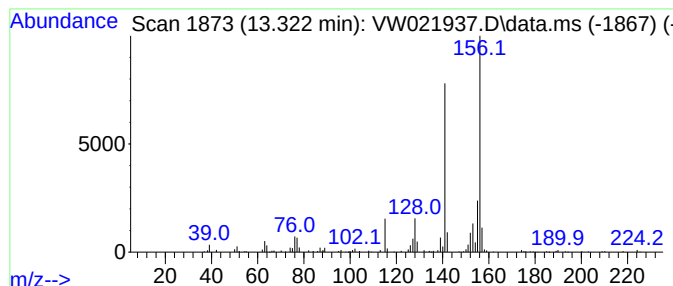
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Quant Title : SFAM01.0

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

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Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 21

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.322 | 5.12 ug/L | 123614 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 4    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

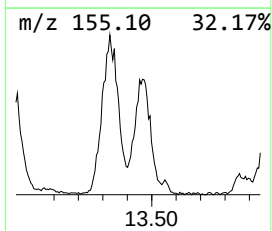
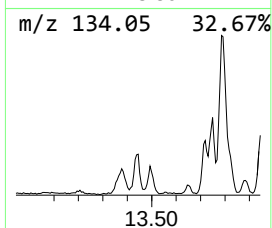
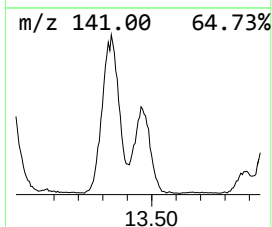
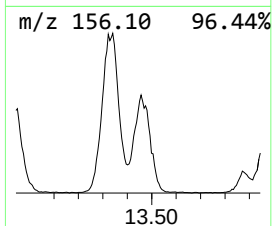
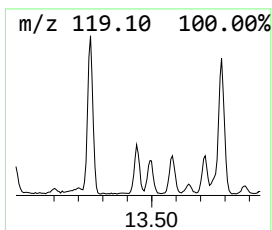
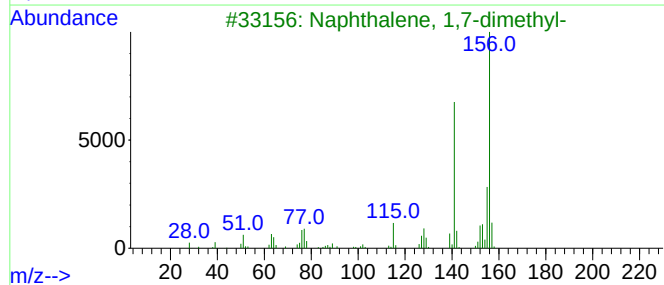
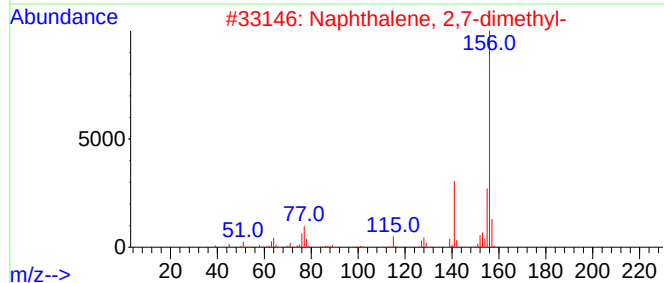
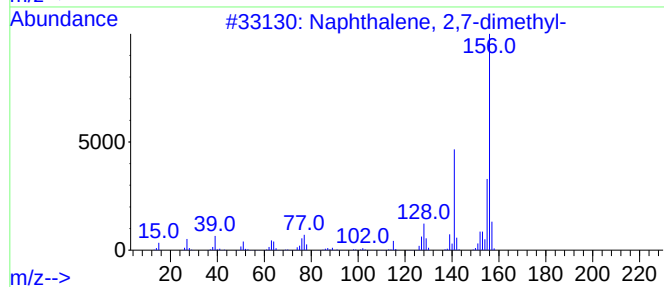
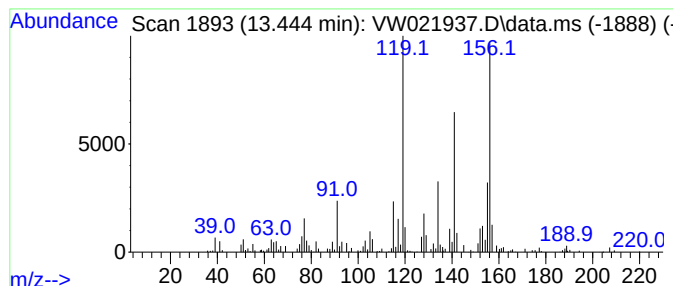
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Quant Title : SFAM01.0

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

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Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 14

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.444 | 6.85 ug/L | 165448 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 92   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 92   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 91   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

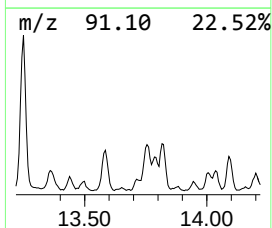
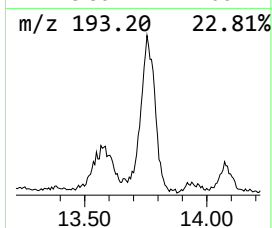
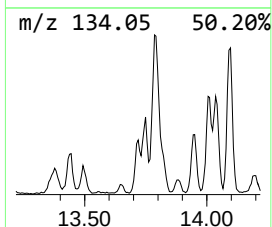
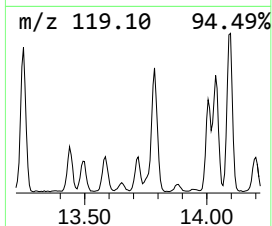
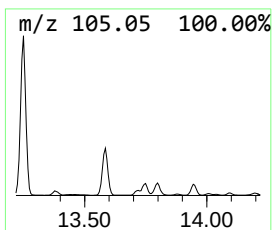
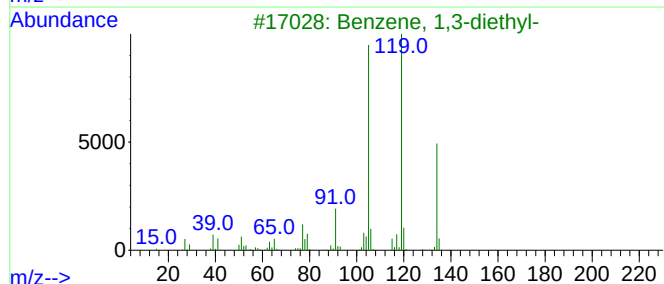
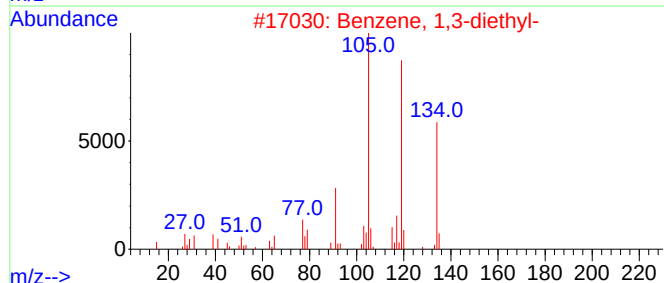
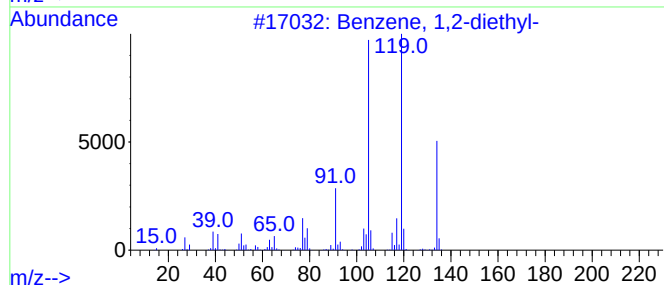
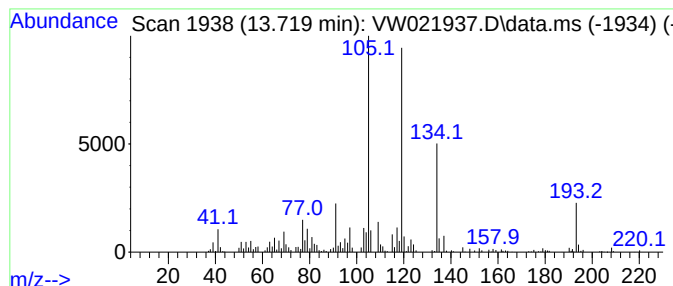
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Quant Title : SFAM01.0

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

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Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 30

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.719 | 2.84 ug/L | 68672 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2-diethyl- | 134 | C10H14  | 000135-01-3 | 95   |
| 2    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 93   |
| 3    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 90   |
| 4    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 81   |
| 5    |    |   | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

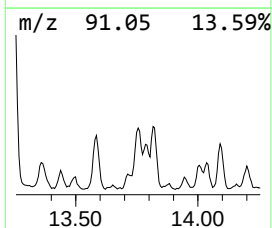
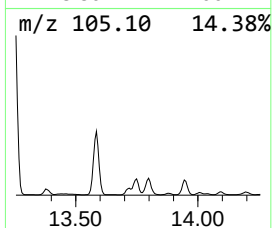
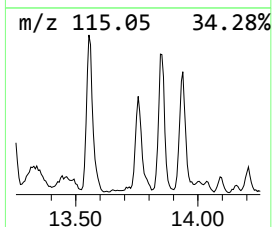
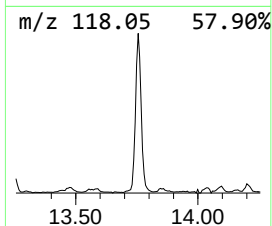
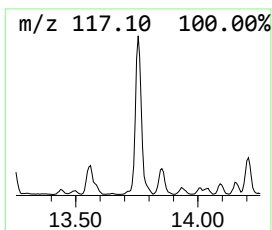
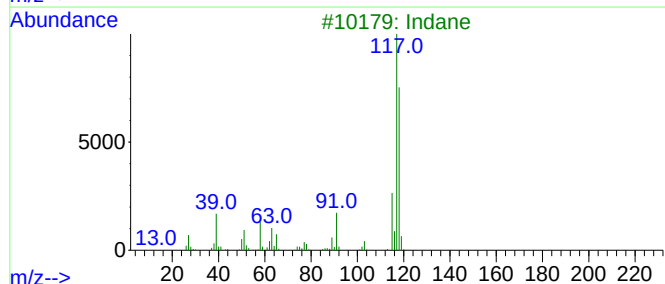
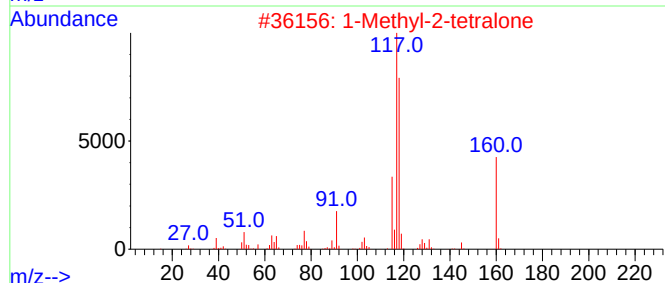
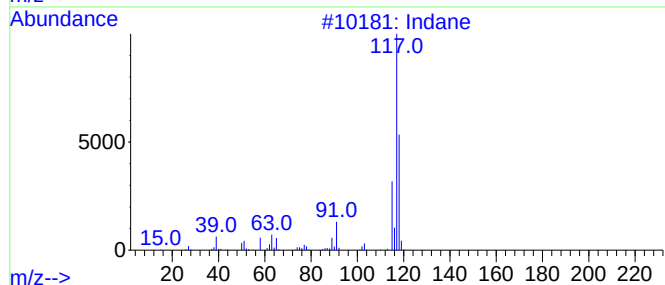
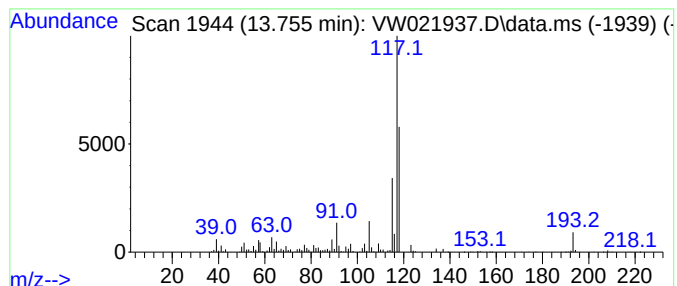
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 8 Indane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.755 | 16.28 ug/L | 393144 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 92   |
| 2    |    |   | 1-Methyl-2-tetralone         | 160 | C11H12O | 004024-14-0 | 72   |
| 3    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 70   |
| 4    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 62   |
| 5    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

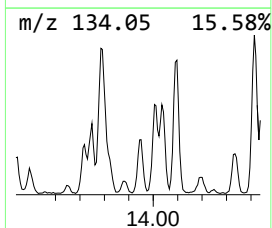
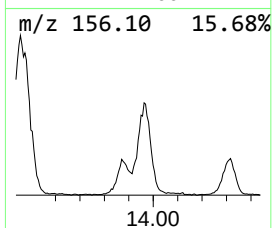
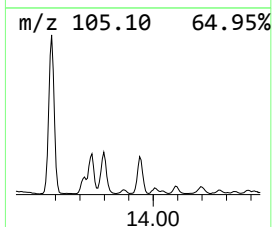
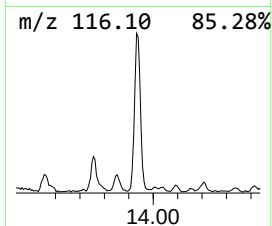
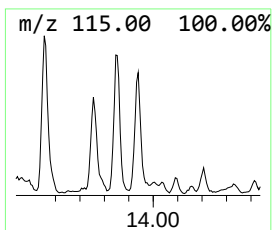
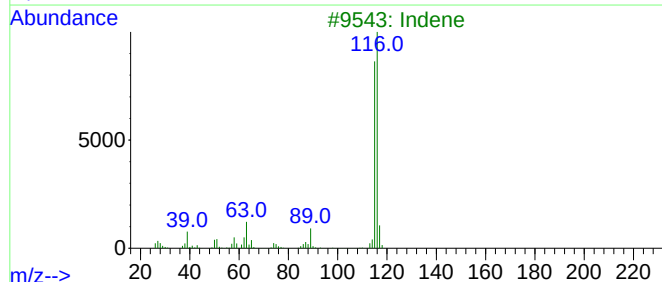
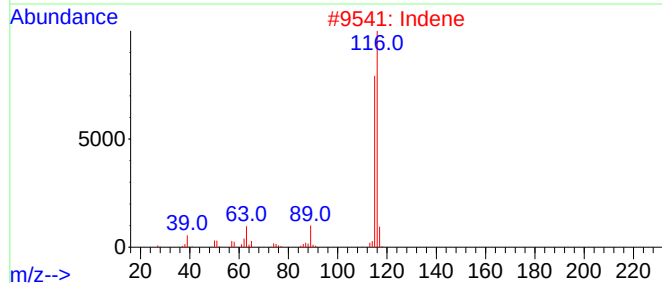
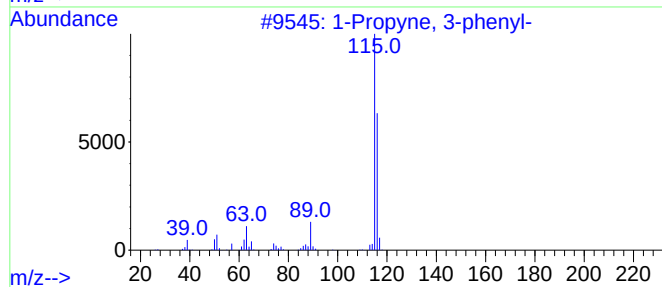
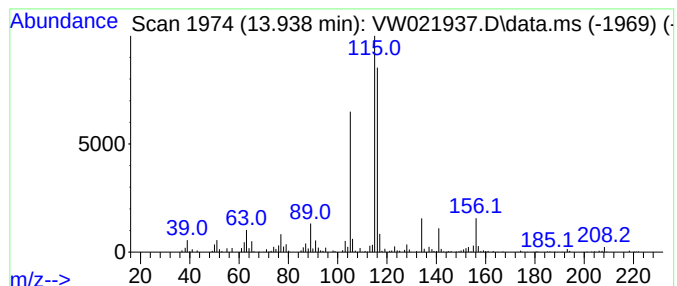
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Quant Title : SFAM01.0

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

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Peak Number 9 1-Propyne, 3-phenyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.938 | 12.83 ug/L | 309946 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | 1-Propyne, 3-phenyl- | 116 | C9H8    | 010147-11-2 | 95   |
| 2    |      | Indene               | 116 | C9H8    | 000095-13-6 | 94   |
| 3    |      | Indene               | 116 | C9H8    | 000095-13-6 | 94   |
| 4    |      | Benzene, 1-propynyl- | 116 | C9H8    | 000673-32-5 | 94   |
| 5    |      | Benzene, 1-propynyl- | 116 | C9H8    | 000673-32-5 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

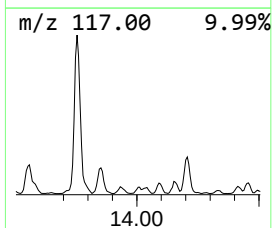
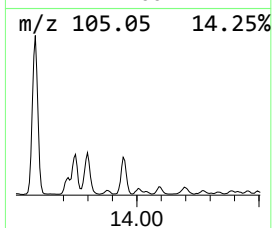
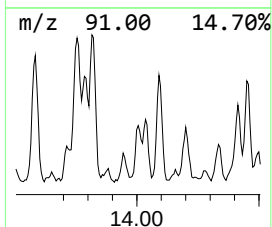
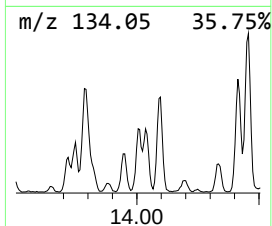
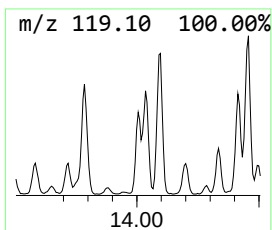
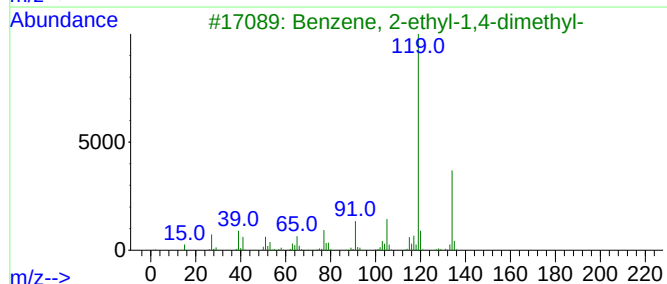
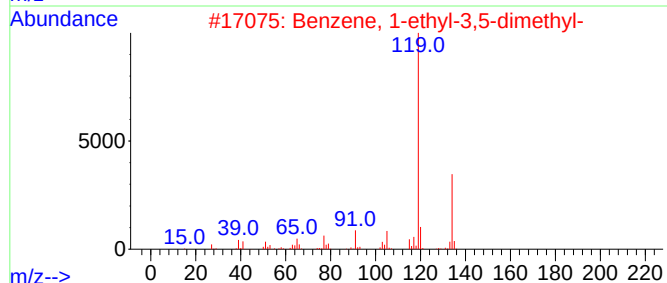
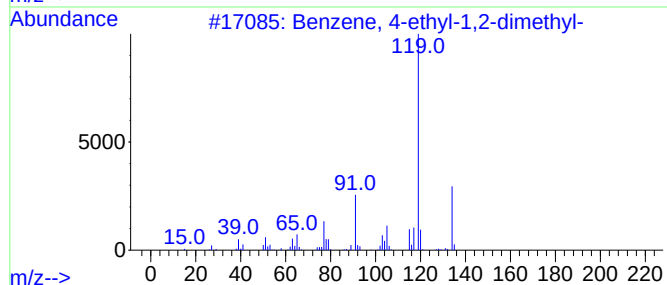
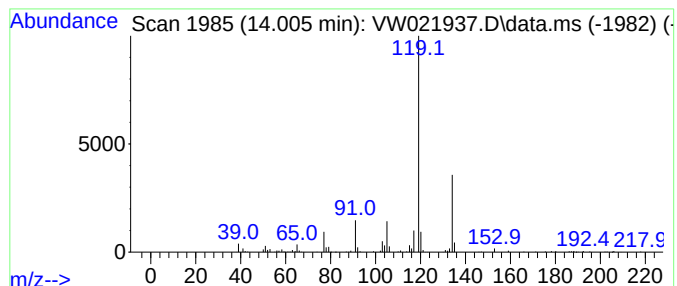
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.005 | 4.30 ug/L | 103793 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 91   |
| 2    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

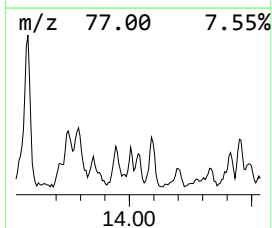
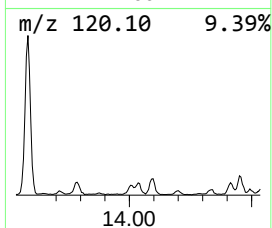
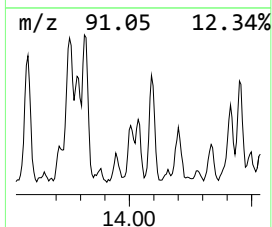
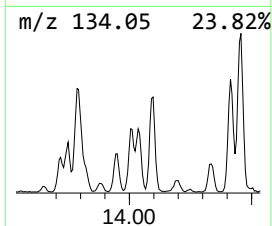
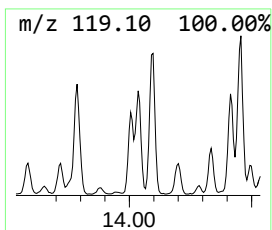
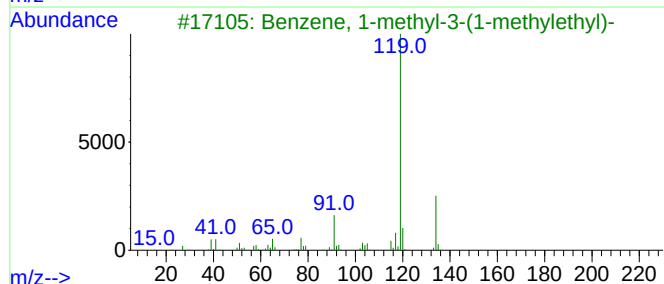
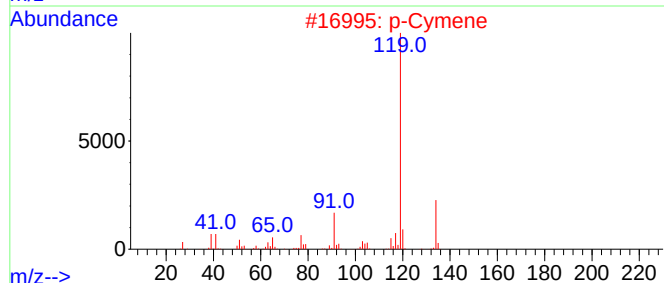
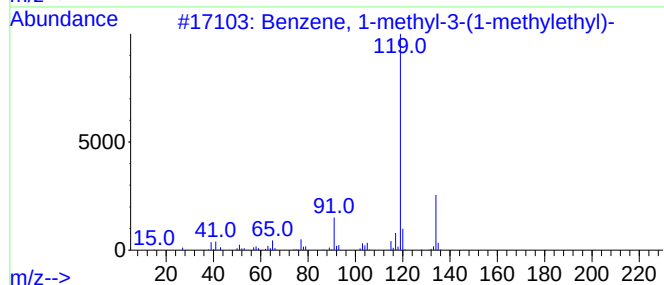
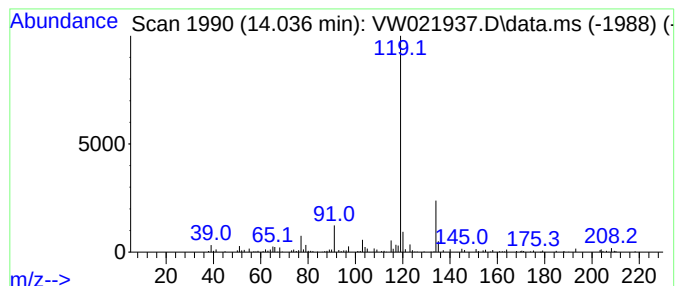
Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 20

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|-------------|--------|
| 14.036    | 5.17 ug/L                           | 124897 | 1,4-Dichlorobenzene-d4 |         |             | 13.560 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | Benzene, 1-methyl-3-(1-methyleth... |        | 134                    | C10H14  | 000535-77-3 | 90     |
| 2         | p-Cymene                            |        | 134                    | C10H14  | 000099-87-6 | 90     |
| 3         | Benzene, 1-methyl-3-(1-methyleth... |        | 134                    | C10H14  | 000535-77-3 | 87     |
| 4         | Benzene, 2-ethyl-1,3-dimethyl-      |        | 134                    | C10H14  | 002870-04-4 | 87     |
| 5         | Benzene, 1-ethyl-3,5-dimethyl-      |        | 134                    | C10H14  | 000934-74-7 | 87     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

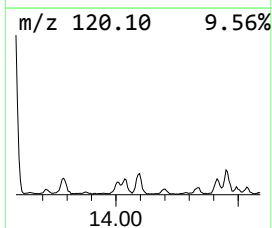
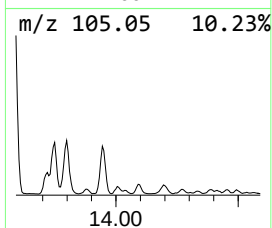
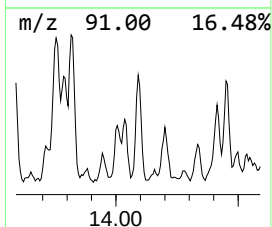
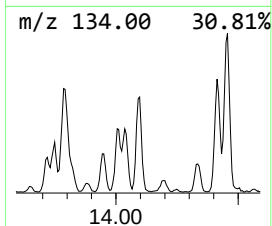
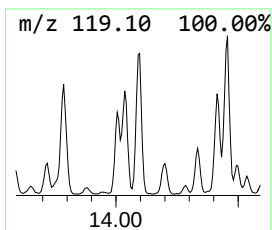
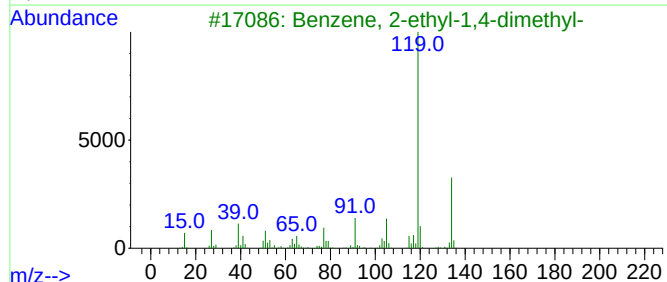
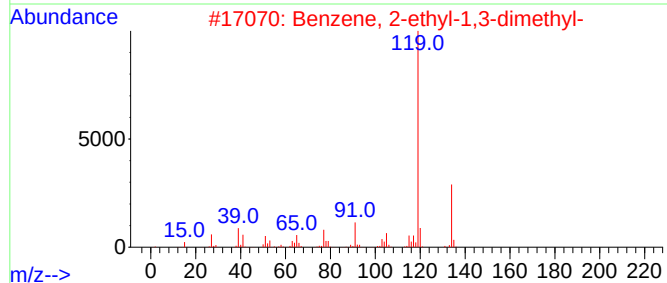
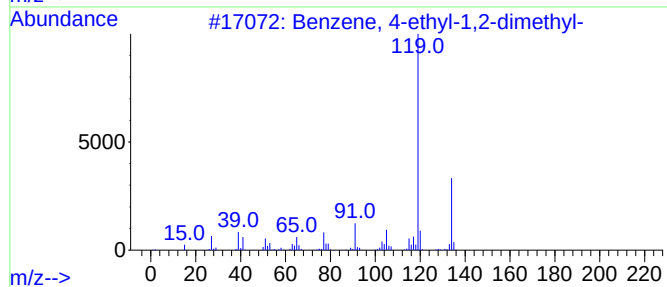
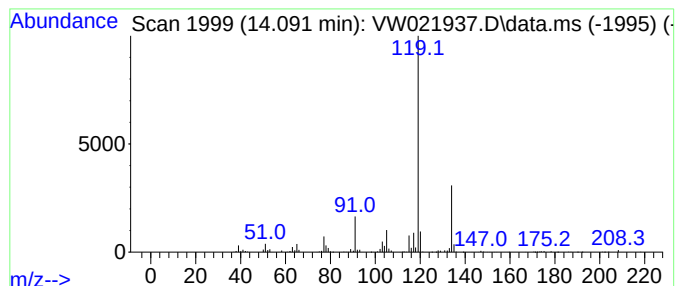
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.091 | 9.31 ug/L | 224864 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 2    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 3    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

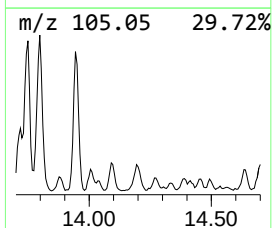
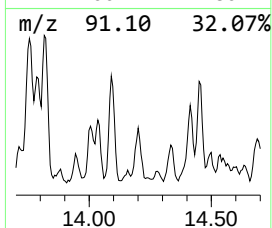
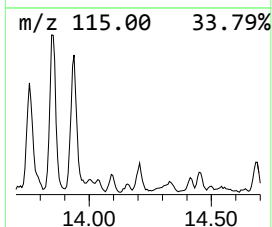
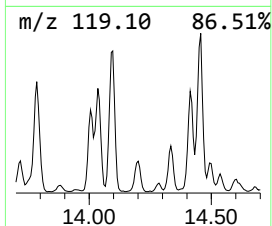
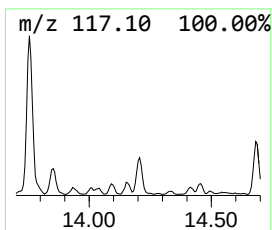
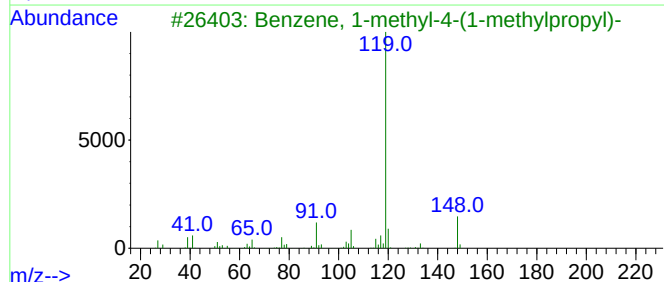
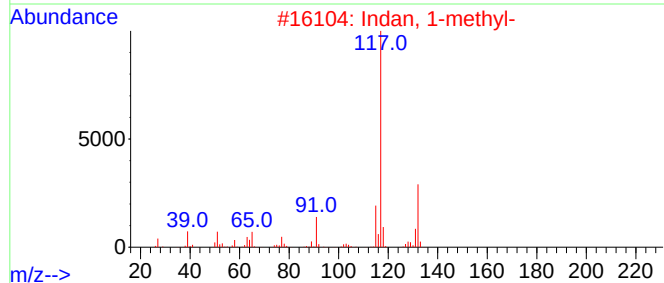
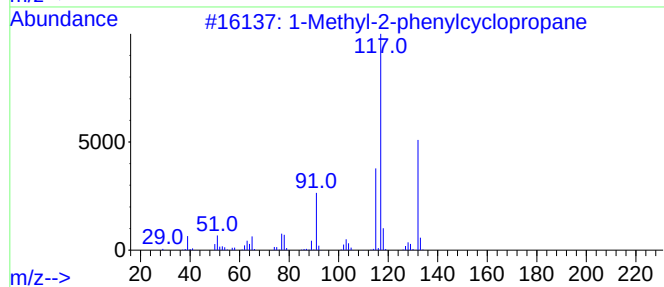
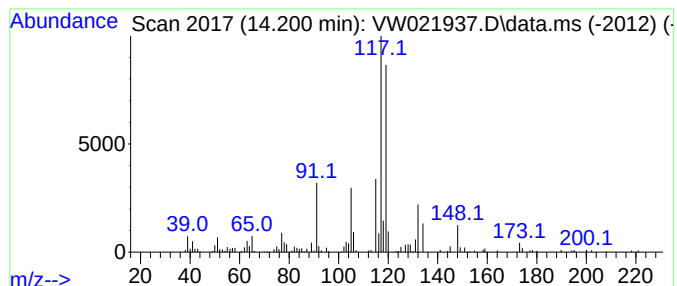
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Quant Title : SFAM01.0

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

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Peak Number 13 unknown-01 Concentration Rank 27

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.200 | 3.93 ug/L | 95024 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 38   |
| 2    |    |   | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 38   |
| 3    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 38   |
| 4    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 30   |
| 5    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 30   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

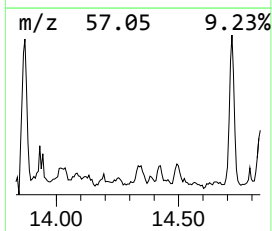
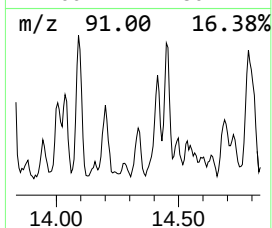
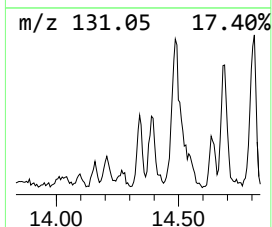
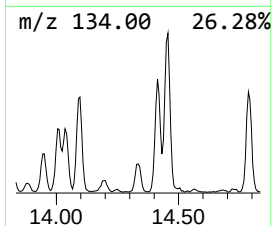
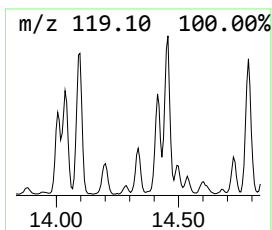
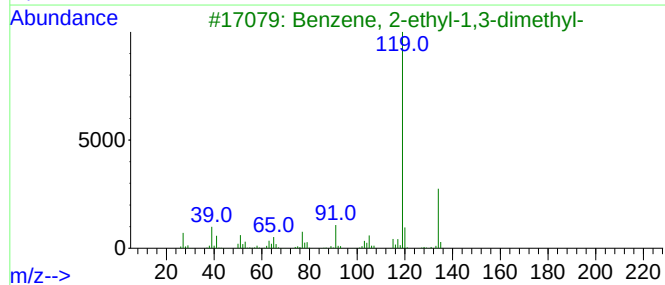
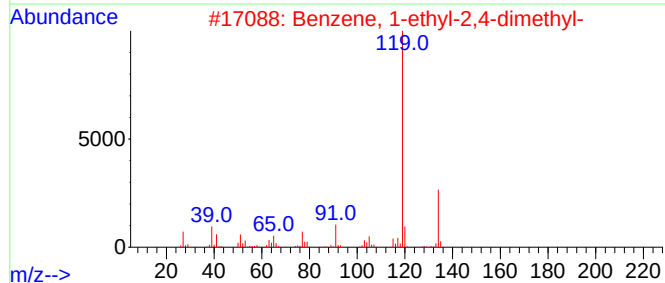
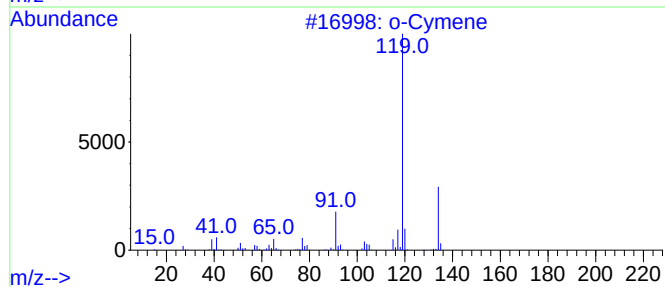
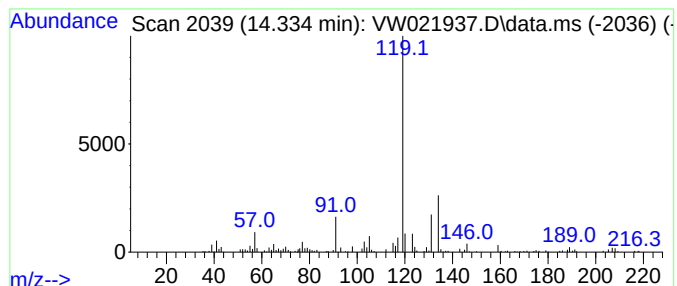
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Quant Title : SFAM01.0

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

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Peak Number 14 o-Cymene Concentration Rank 31

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.334 | 2.79 ug/L | 67431 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 81   |
| 2    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 74   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 74   |
| 4    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 74   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

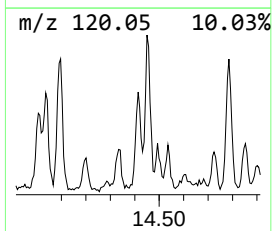
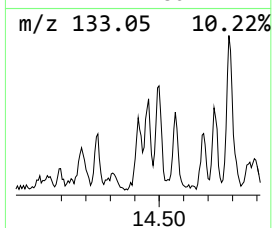
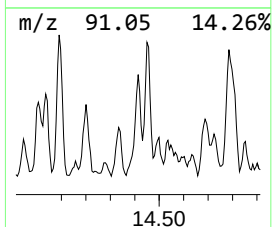
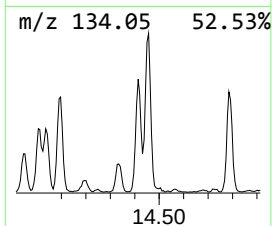
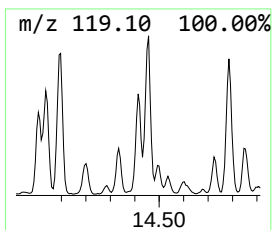
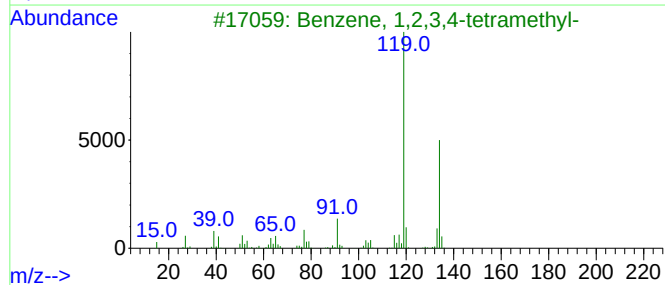
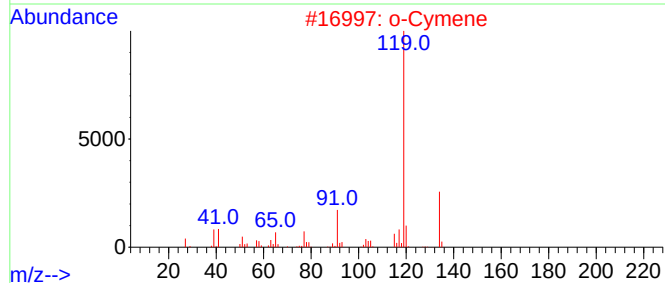
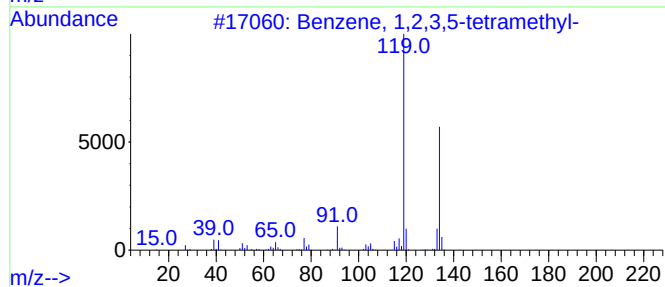
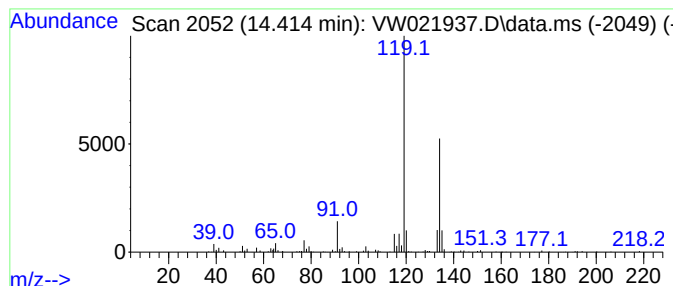
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Quant Title : SFAM01.0

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

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Peak Number 15 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 22

| R.T.      | EstConc                       | Area   | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------|--------|------------------------|---------|-------------|------|
| 14.414    | 4.74 ug/L                     | 114584 | 1,4-Dichlorobenzene-d4 |         | 13.560      |      |
| Hit# of 5 | Tentative ID                  |        | MW                     | MolForm | CAS#        | Qual |
| 1         | Benzene, 1,2,3,5-tetramethyl- |        | 134                    | C10H14  | 000527-53-7 | 94   |
| 2         | o-Cymene                      |        | 134                    | C10H14  | 000527-84-4 | 93   |
| 3         | Benzene, 1,2,3,4-tetramethyl- |        | 134                    | C10H14  | 000488-23-3 | 91   |
| 4         | Benzene, 1,2,4,5-tetramethyl- |        | 134                    | C10H14  | 000095-93-2 | 91   |
| 5         | Benzene, 1,2,4,5-tetramethyl- |        | 134                    | C10H14  | 000095-93-2 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

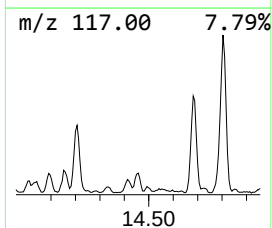
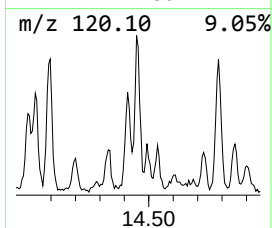
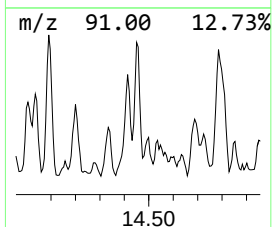
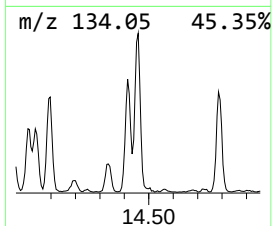
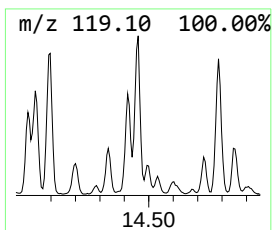
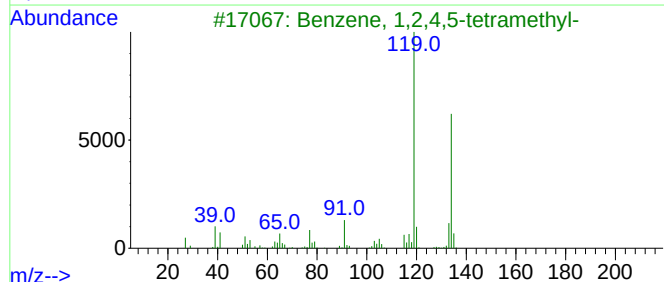
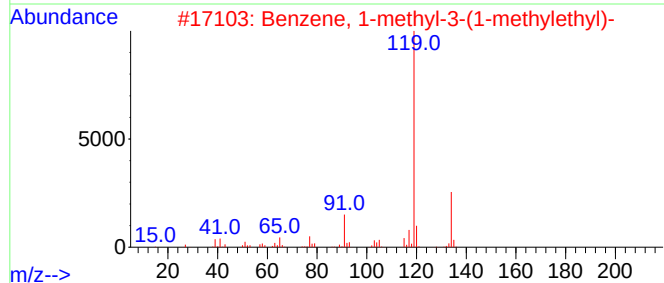
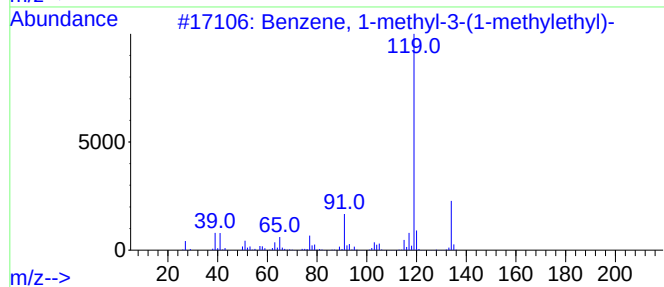
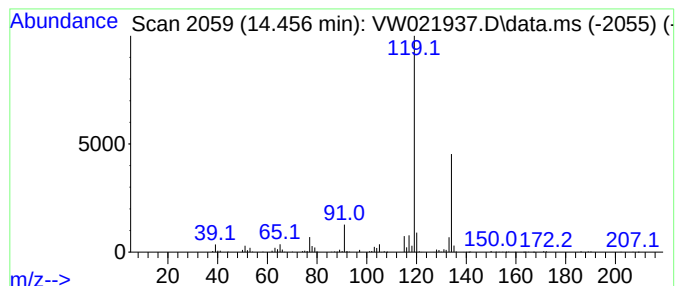
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.456 | 6.37 ug/L | 153852 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 90   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 90   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl-        | 134 | C10H14  | 000095-93-2 | 90   |
| 4    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 90   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

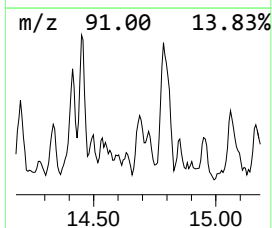
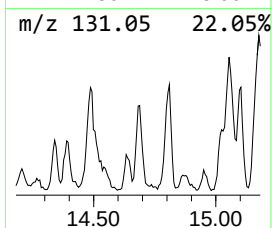
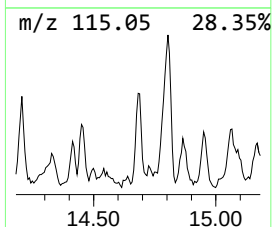
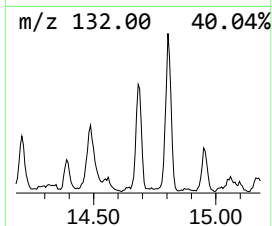
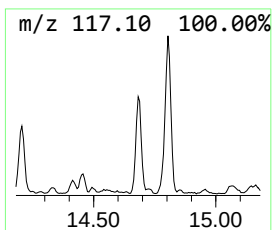
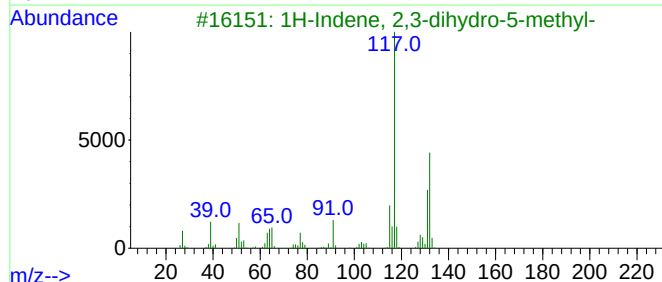
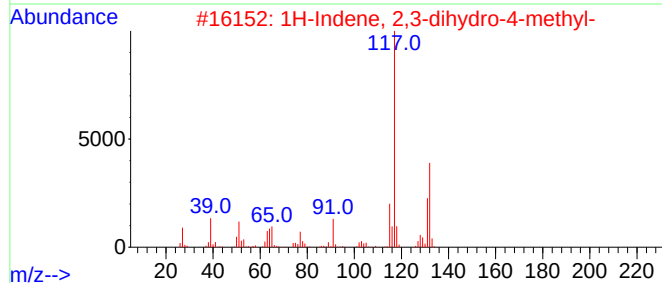
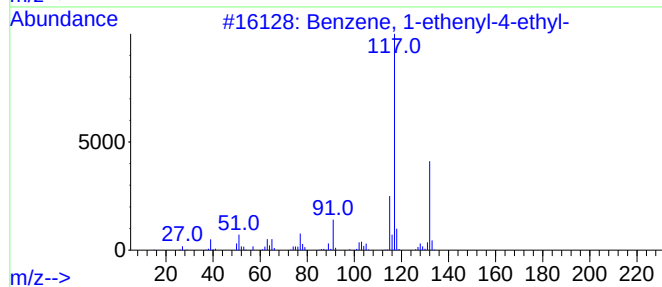
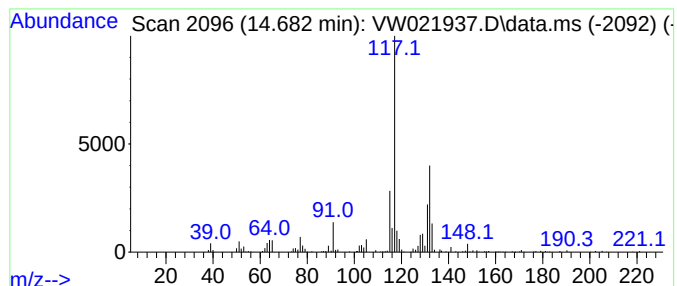
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 18 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 25

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.682 | 4.30 ug/L | 103790 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 93   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |
| 4    |    |   | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 87   |
| 5    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

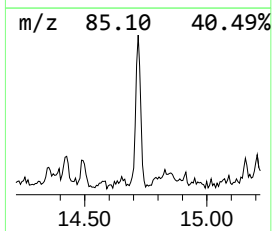
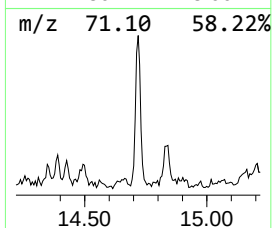
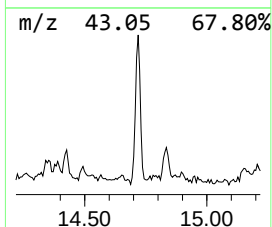
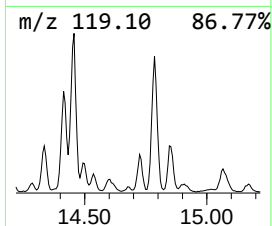
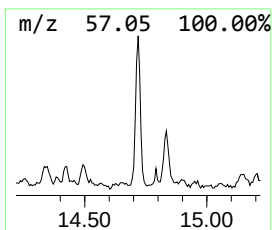
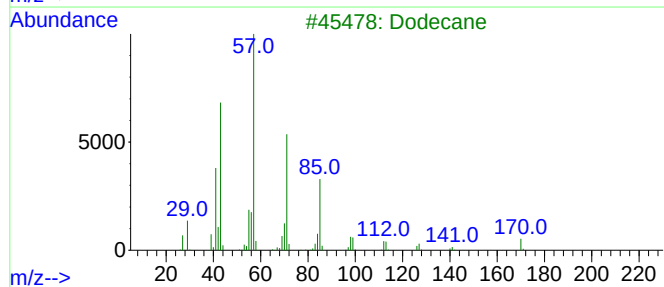
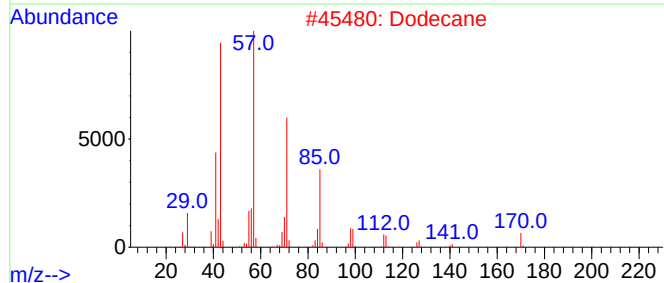
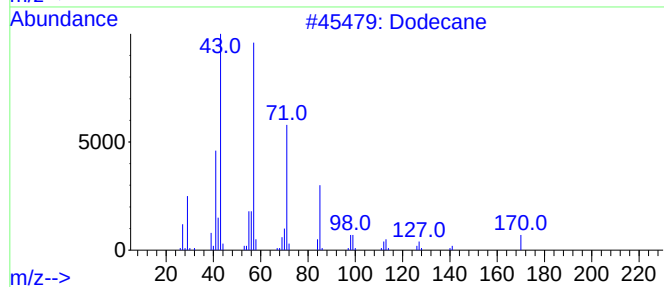
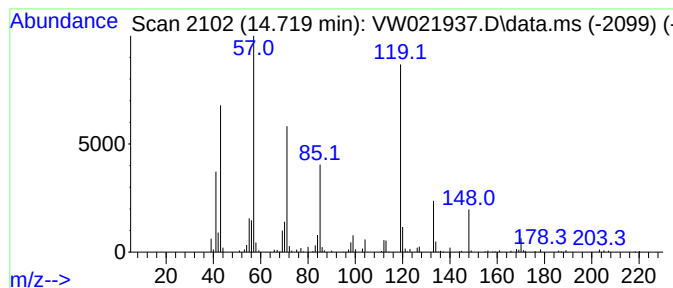
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TIC Integration Parameters: LSCINT.P

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Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.719 | 4.00 ug/L | 96557 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 46   |
| 2    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 41   |
| 3    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 38   |
| 4    |    |   | Hexadecane   | 226 | C16H34  | 000544-76-3 | 30   |
| 5    |    |   | Dodecane     | 170 | C12H26  | 000112-40-3 | 30   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

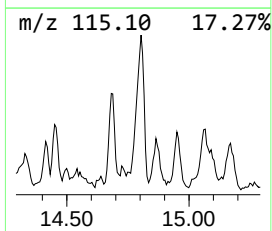
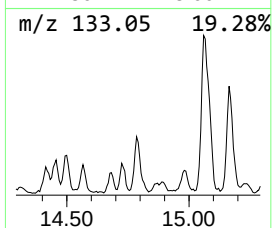
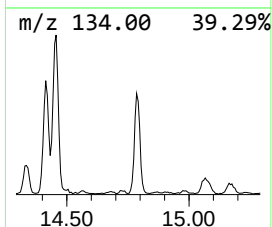
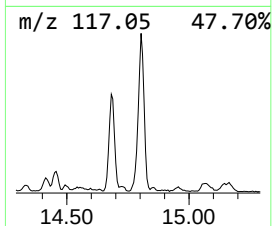
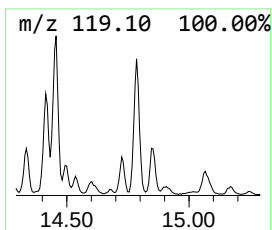
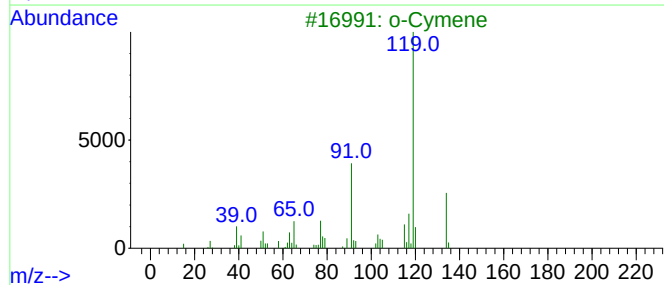
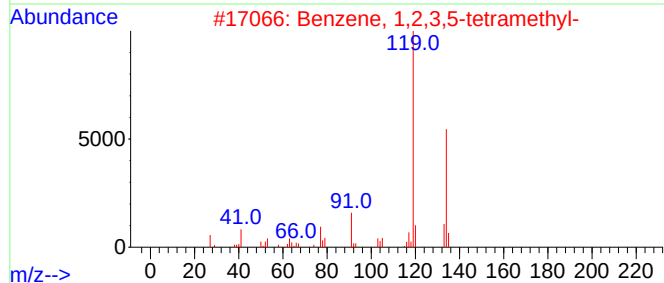
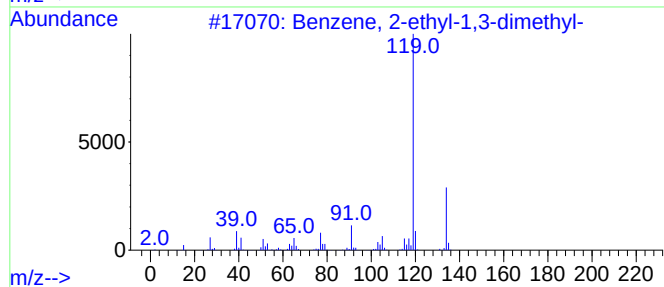
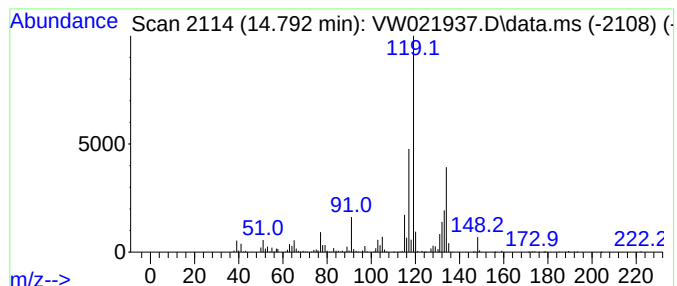
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.792 | 13.44 ug/L | 324578 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 64   |
| 2    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 64   |
| 3    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 62   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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

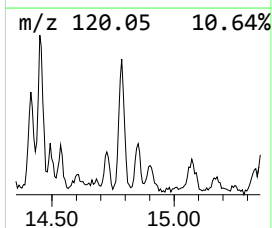
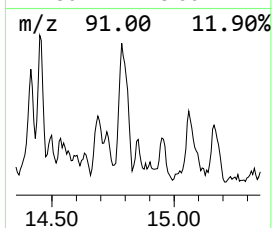
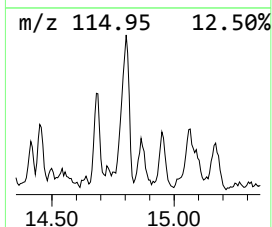
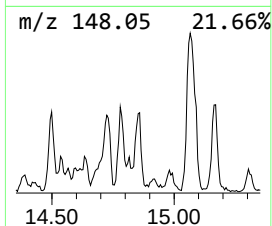
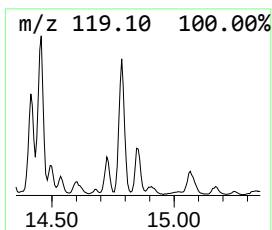
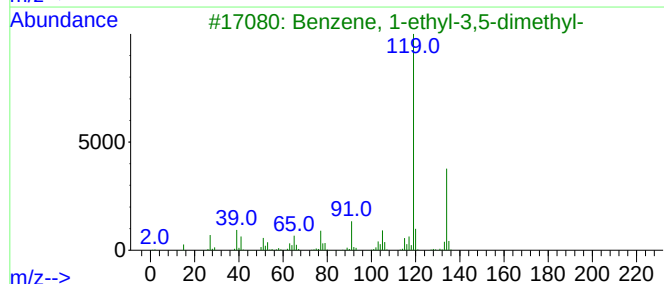
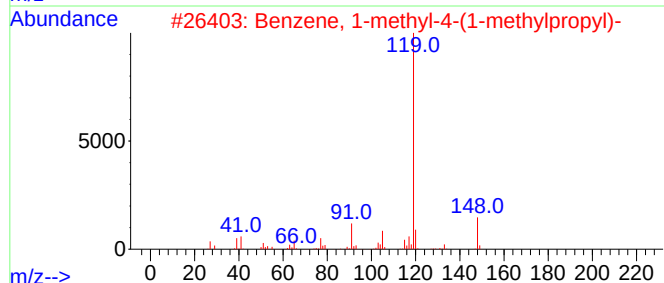
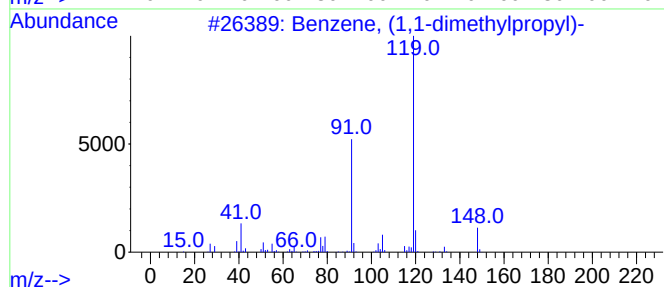
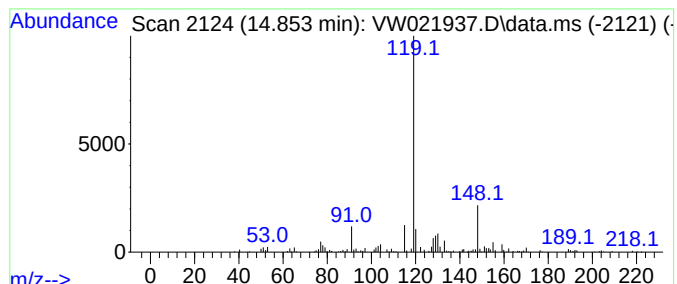
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Peak Number 21 Benzene, (1,1-dimethylpropyl)- Concentration Rank 34

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.853 | 2.12 ug/L | 51162 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 64   |
| 2    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 59   |
| 3    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 50   |
| 4    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 50   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

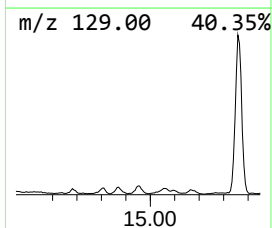
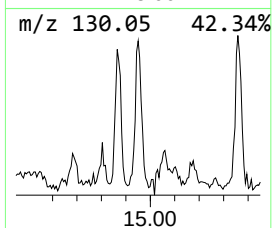
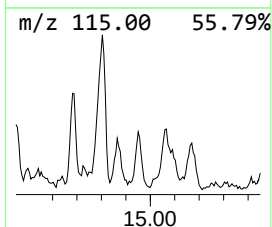
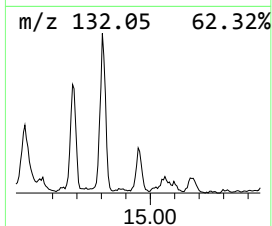
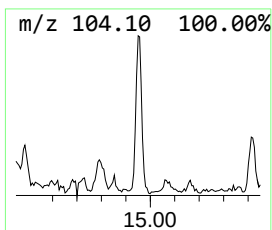
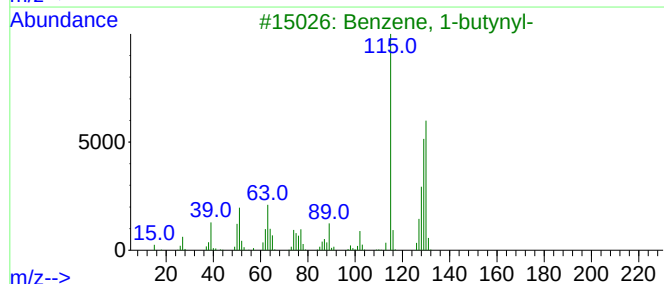
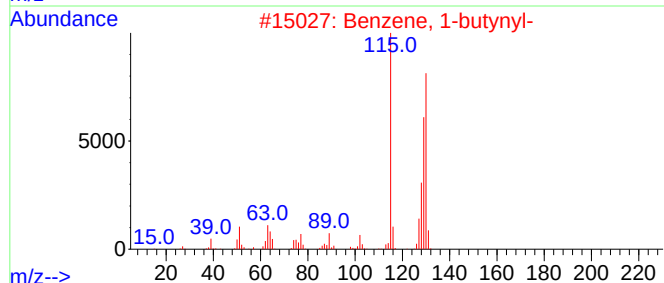
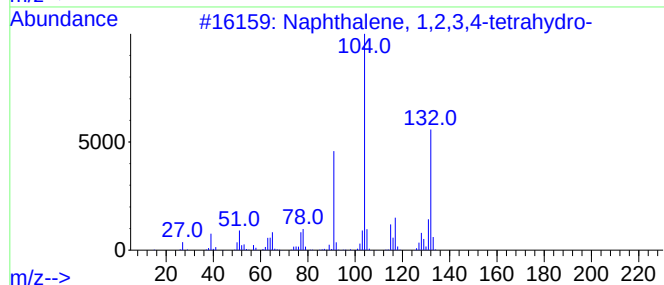
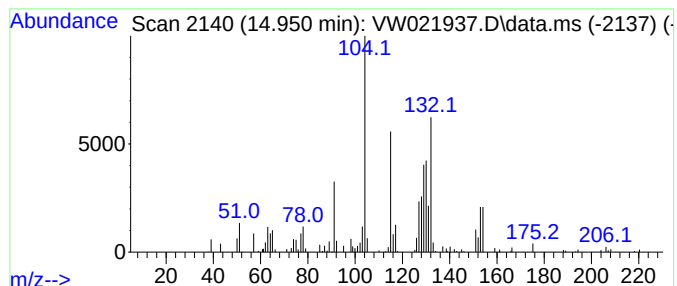
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Quant Title : SFAM01.0

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

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Peak Number 22 unknown-02 Concentration Rank 28

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.950 | 3.57 ug/L | 86151 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12  | 000119-64-2 | 46   |
| 2    |    |   | Benzene, 1-butynyl-              | 130 | C10H10  | 000622-76-4 | 38   |
| 3    |    |   | Benzene, 1-butynyl-              | 130 | C10H10  | 000622-76-4 | 30   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12  | 000119-64-2 | 30   |
| 5    |    |   | 1H-Indol-3-amine                 | 132 | C8H8N2  | 007250-19-3 | 27   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

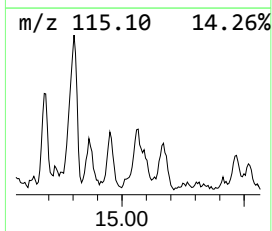
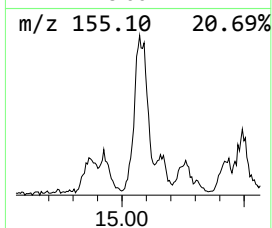
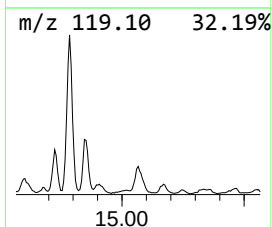
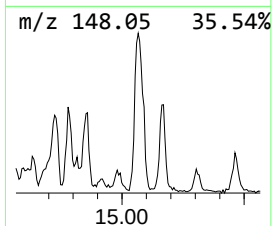
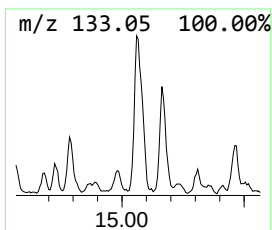
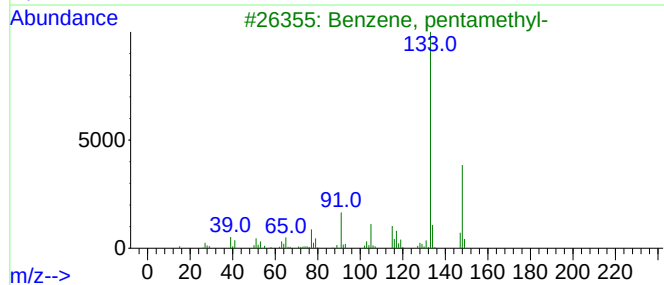
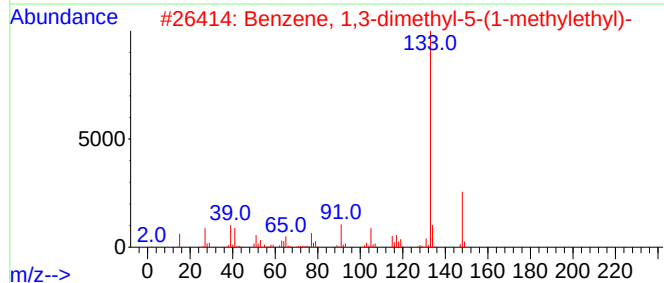
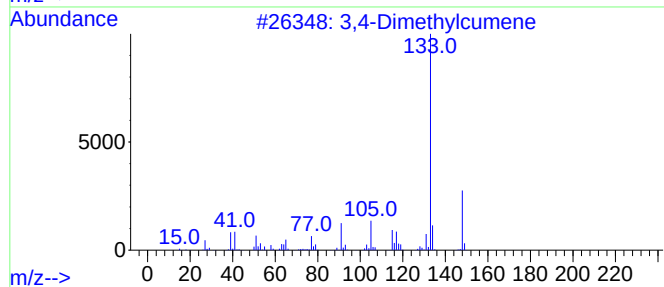
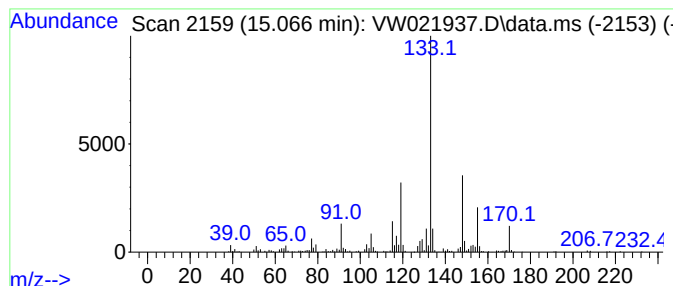
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Quant Title : SFAM01.0

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

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Peak Number 23 3,4-Dimethylcumene Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.066 | 10.80 ug/L | 260842 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 70   |
| 2    |      | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5  | 64   |
| 3    |      | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 64   |
| 4    |      | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 58   |
| 5    |      | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8  | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

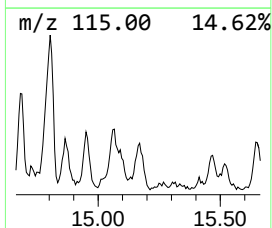
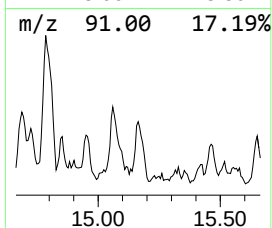
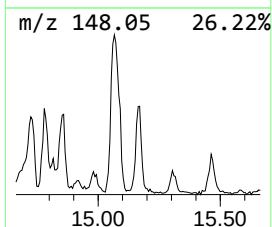
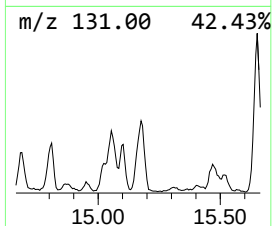
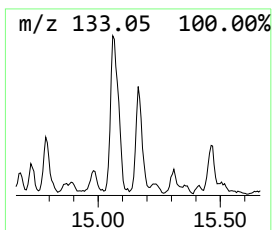
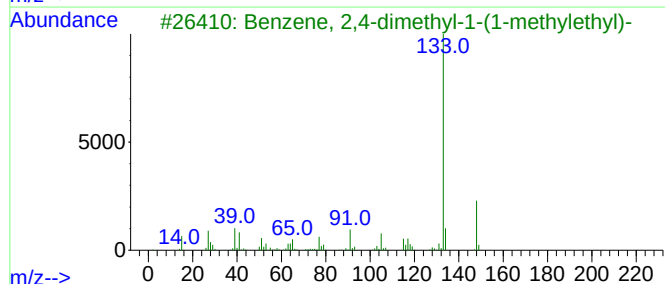
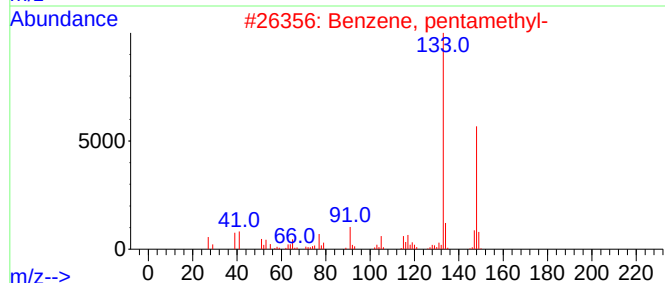
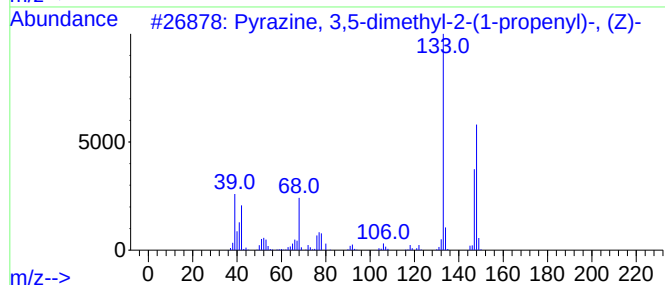
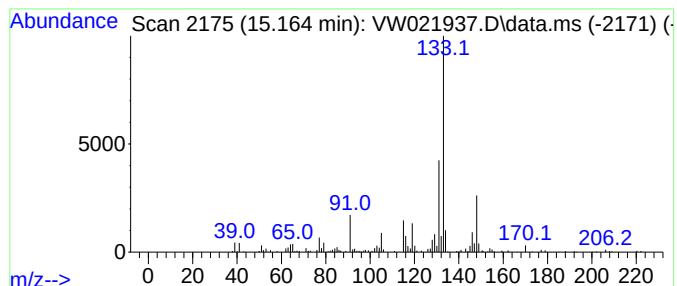
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Quant Title : SFAM01.0

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

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Peak Number 24 Pyrazine, 3,5-dimethyl-2-(1... Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|-------------|--------|
| 15.164    | 5.35 ug/L                           | 129169 | 1,4-Dichlorobenzene-d4 |         |             | 13.560 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | Pyrazine, 3,5-dimethyl-2-(1-prop... |        | 148                    | C9H12N2 | 055138-74-4 | 52     |
| 2         | Benzene, pentamethyl-               |        | 148                    | C11H16  | 000700-12-9 | 52     |
| 3         | Benzene, 2,4-dimethyl-1-(1-methy... |        | 148                    | C11H16  | 004706-89-2 | 50     |
| 4         | Benzene, 1,4-dimethyl-2-(1-methy... |        | 148                    | C11H16  | 004132-72-3 | 50     |
| 5         | Benzene, 1-(1,1-dimethylethyl)-3... |        | 148                    | C11H16  | 001075-38-3 | 49     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

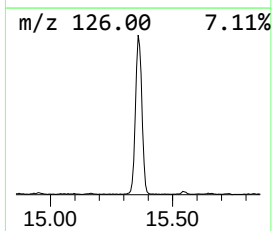
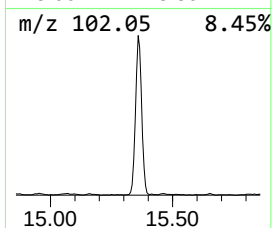
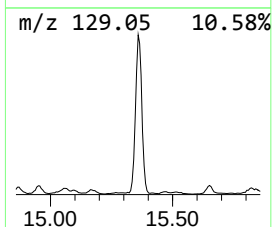
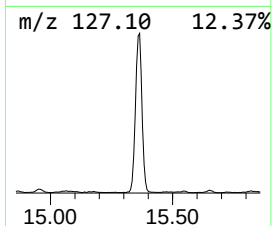
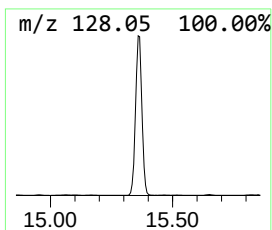
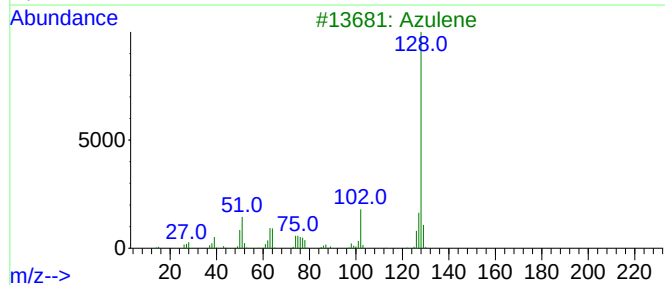
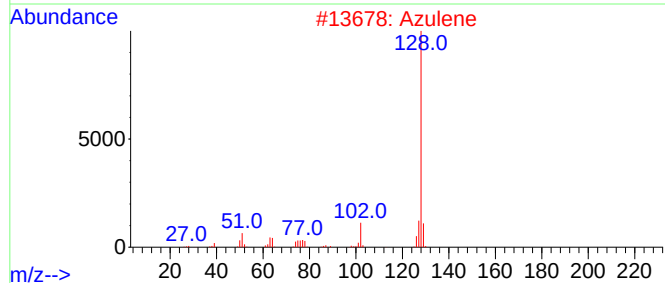
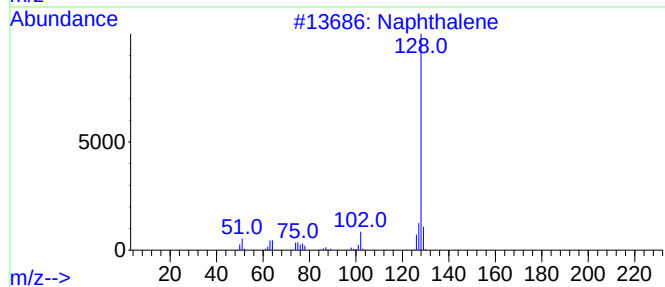
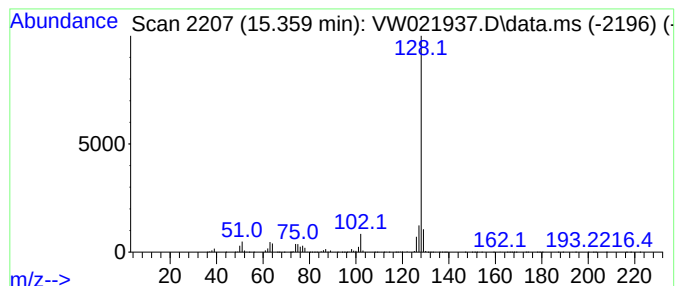
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Quant Title : SFAM01.0

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

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Peak Number 25 Azulene Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 15.359 | 76.24 ug/L | 1841310 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 95   |
| 2    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 94   |
| 3    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 4    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |
| 5    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

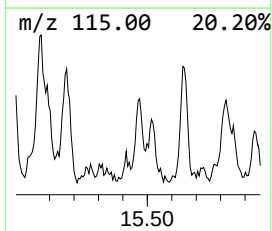
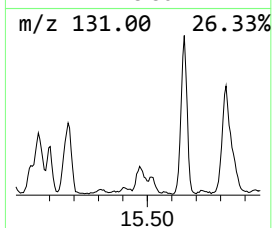
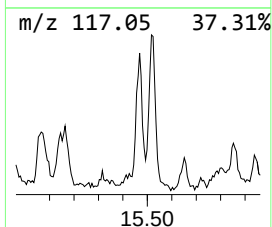
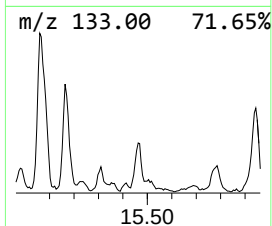
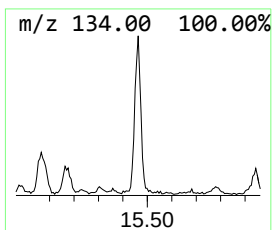
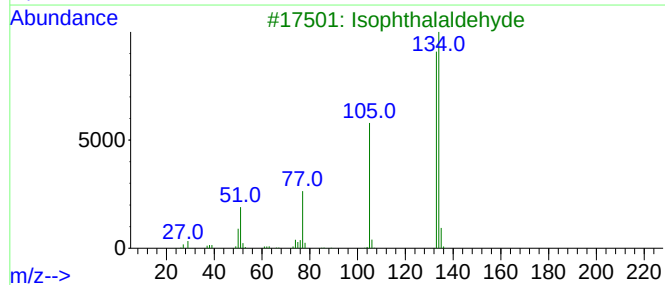
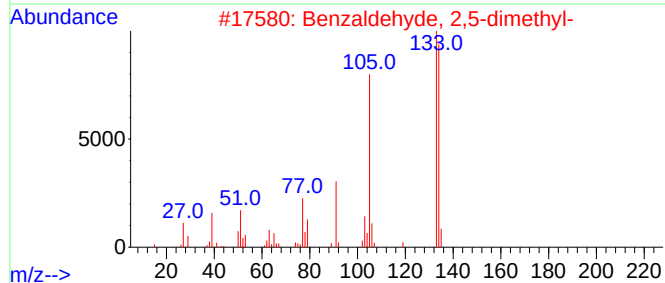
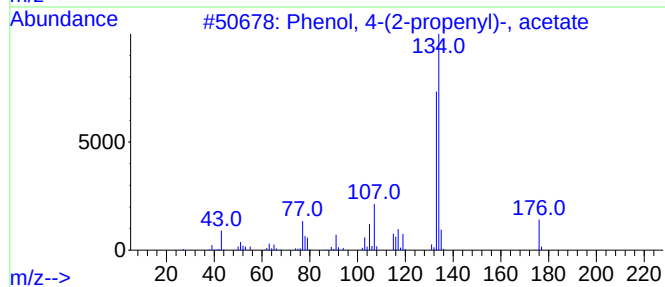
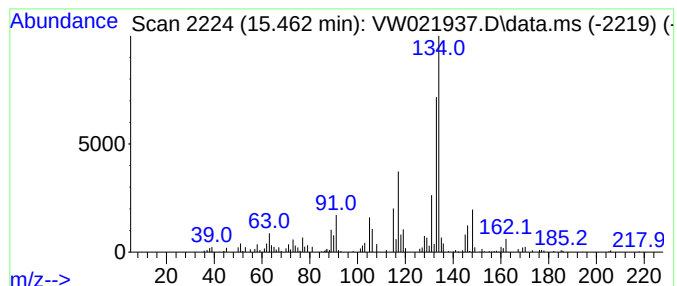
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Quant Title : SFAM01.0

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

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Peak Number 26 unknown-03 Concentration Rank 19

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.462 | 5.27 ug/L | 127355 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Phenol, 4-(2-propenyl)-, acetate | 176 | C11H12O2 | 061499-22-7 | 49   |
| 2    |    |   | Benzaldehyde, 2,5-dimethyl-      | 134 | C9H10O   | 005779-94-2 | 43   |
| 3    |    |   | Isophthalaldehyde                | 134 | C8H6O2   | 000626-19-7 | 38   |
| 4    |    |   | 1,4-Benzenedicarboxaldehyde      | 134 | C8H6O2   | 000623-27-8 | 38   |
| 5    |    |   | 2H-1-Benzopyran, 3,4-dihydro-    | 134 | C9H10O   | 000493-08-3 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

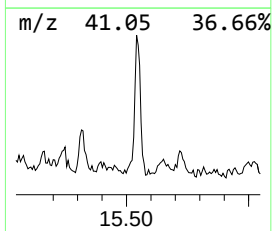
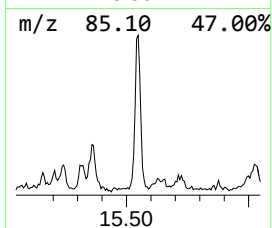
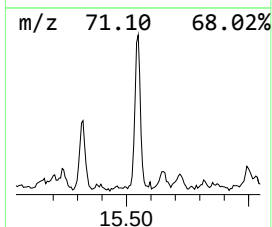
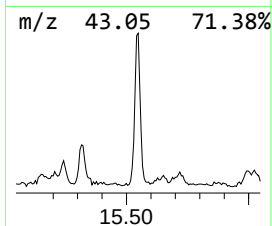
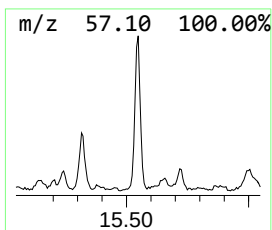
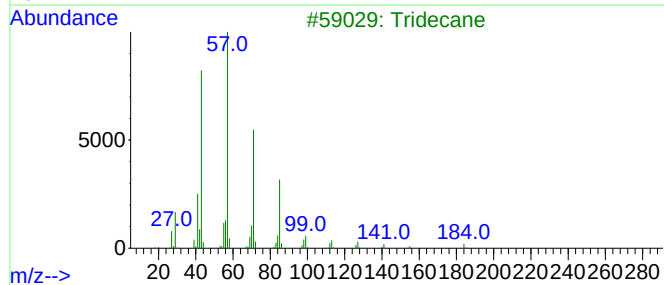
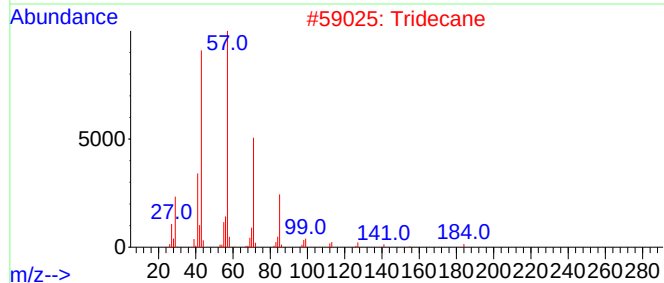
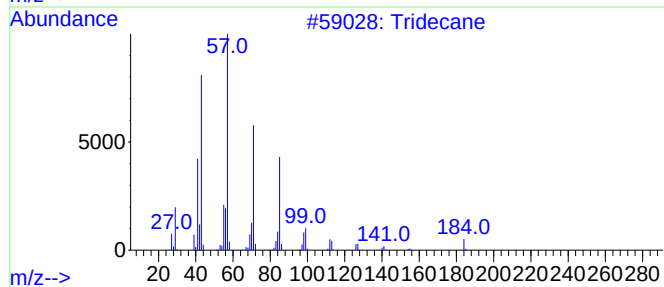
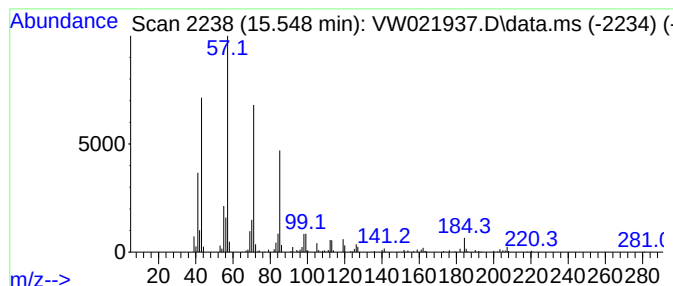
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Quant Title : SFAM01.0

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

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Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T.      | EstConc               | Area   | Relative to ISTD       |          | R.T.        |      |
|-----------|-----------------------|--------|------------------------|----------|-------------|------|
| 15.548    | 5.32 ug/L             | 128373 | 1,4-Dichlorobenzene-d4 |          | 13.560      |      |
| Hit# of 5 | Tentative ID          |        | MW                     | MolForm  | CAS#        | Qual |
| 1         | Tridecane             |        | 184                    | C13H28   | 000629-50-5 | 98   |
| 2         | Tridecane             |        | 184                    | C13H28   | 000629-50-5 | 90   |
| 3         | Tridecane             |        | 184                    | C13H28   | 000629-50-5 | 90   |
| 4         | Tridecane             |        | 184                    | C13H28   | 000629-50-5 | 87   |
| 5         | Octadecane, 1-chloro- |        | 288                    | C18H37Cl | 003386-33-2 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

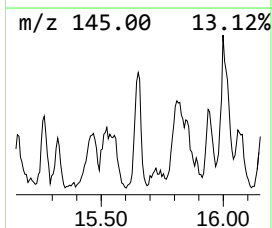
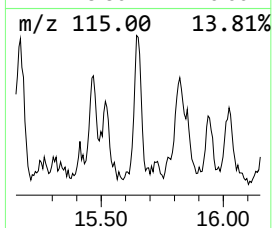
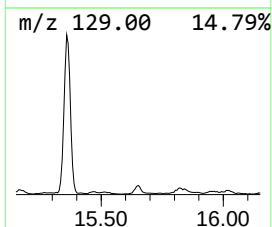
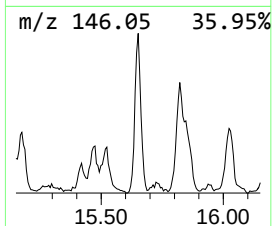
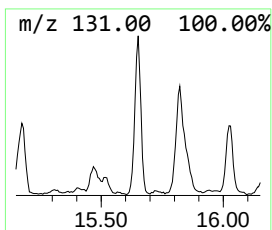
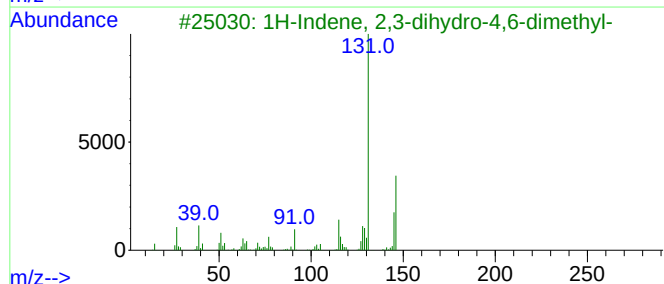
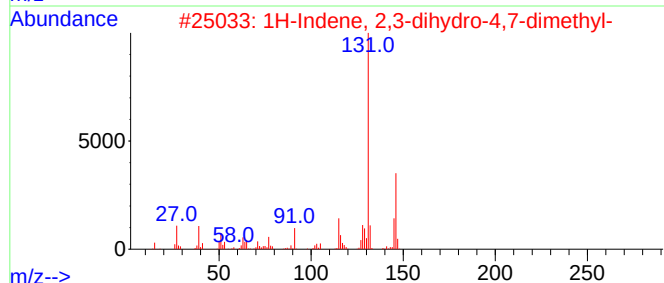
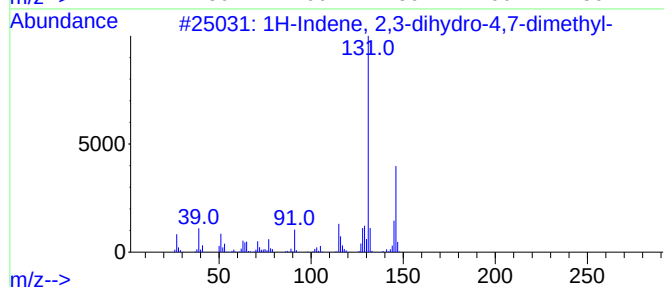
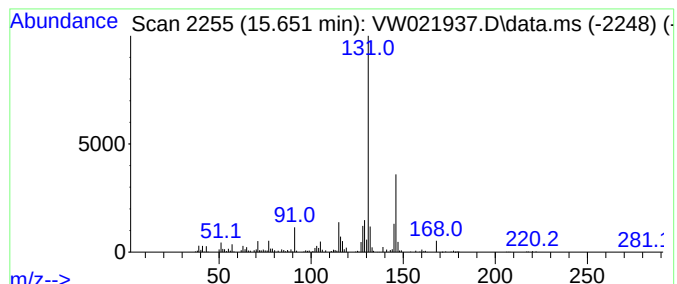
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TIC Integration Parameters: LSCINT.P

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Peak Number 28 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.651 | 5.43 ug/L | 131144 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 97   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 97   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 95   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

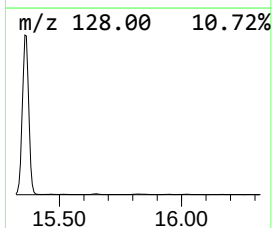
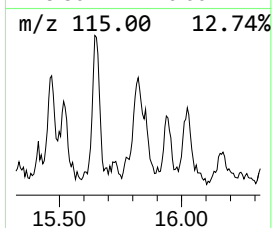
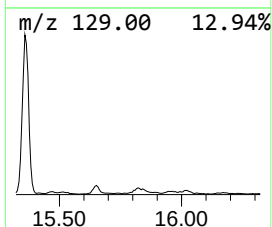
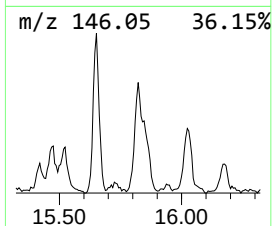
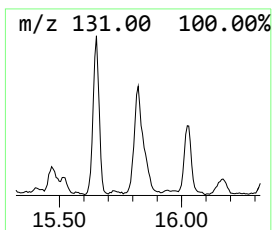
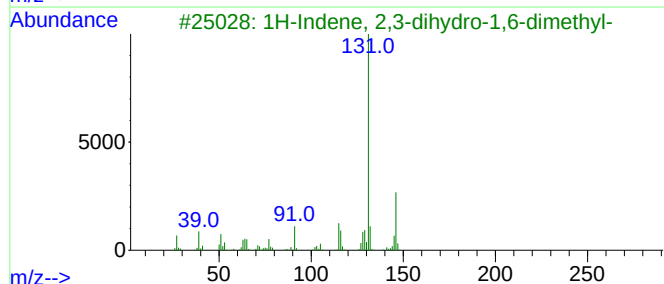
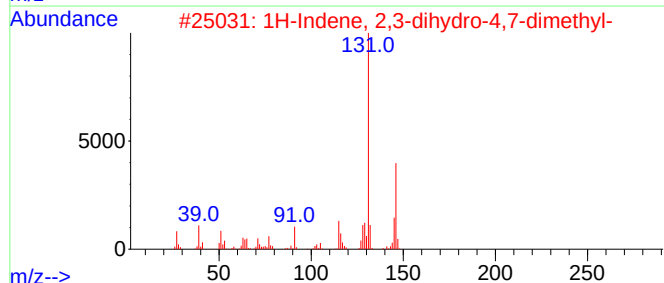
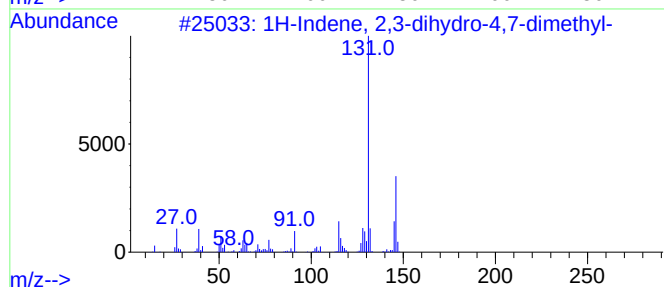
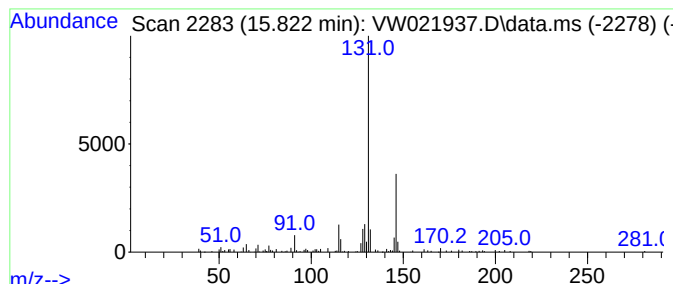
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TIC Integration Parameters: LSCINT.P

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Peak Number 29 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 23

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.822 | 4.42 ug/L | 106785 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 91   |
| 5    |    |   | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14  | 097664-19-2 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

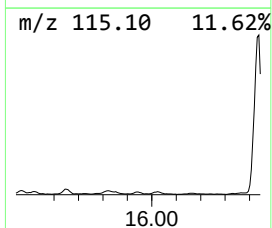
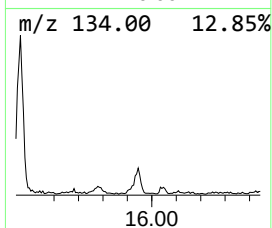
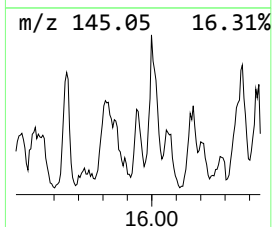
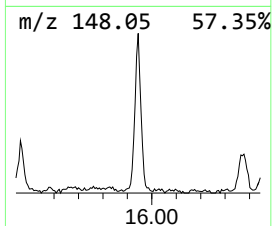
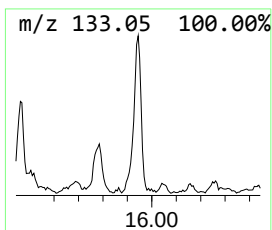
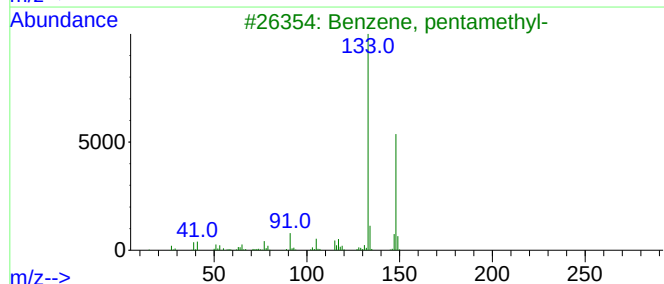
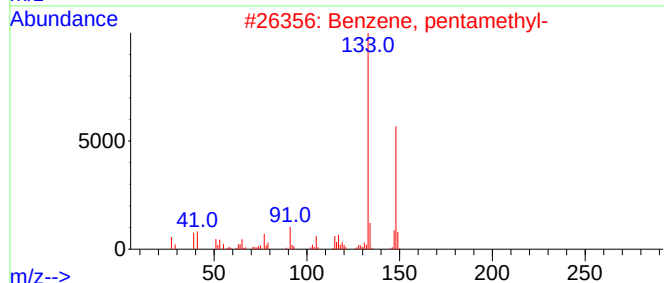
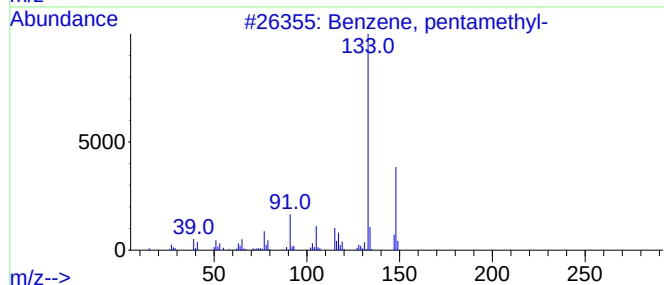
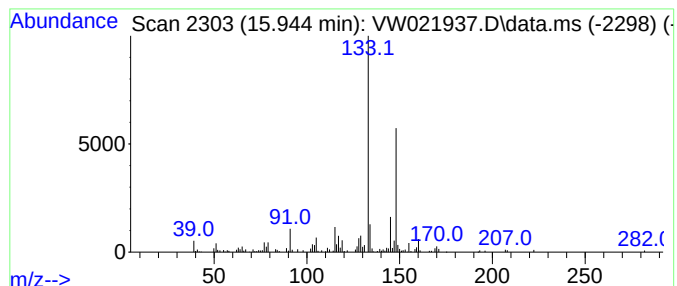
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 30 Benzene, pentamethyl- Concentration Rank 32

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.944 | 2.61 ug/L | 62958 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 74   |
| 2    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 74   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 72   |
| 4    |    |   | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3 | 72   |
| 5    |    |   | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16  | 004132-72-3 | 59   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

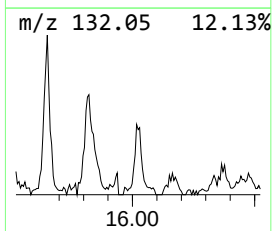
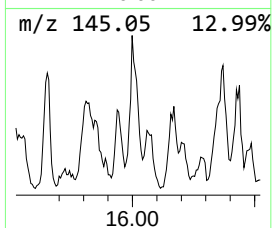
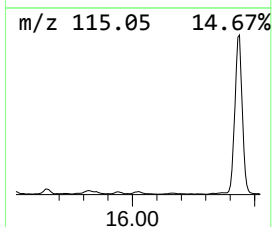
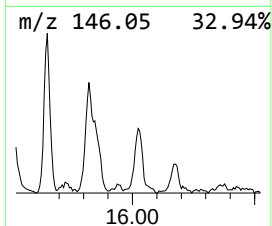
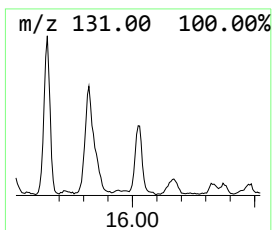
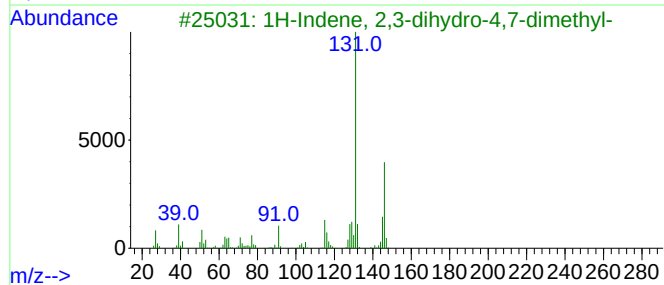
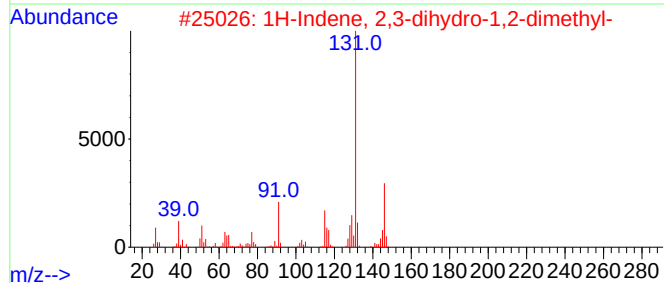
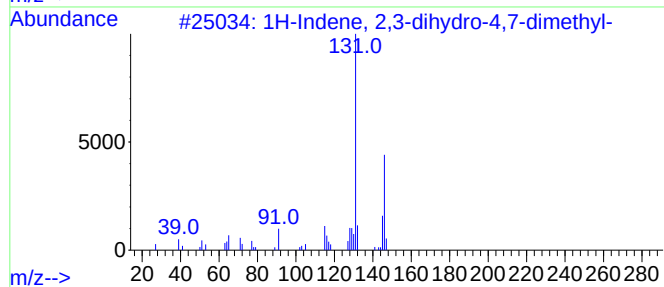
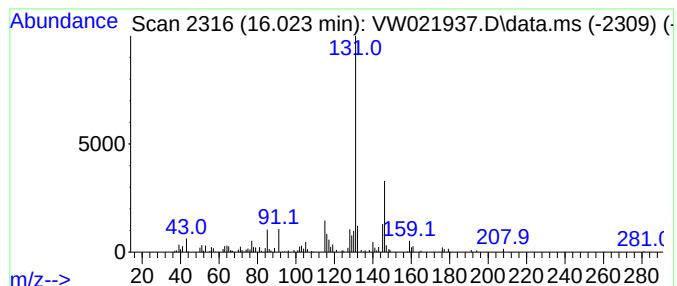
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 31 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 33

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.023 | 2.49 ug/L | 60048 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 91      |      |      |
| 2    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14       | 017057-82-8 | 83      |      |      |
| 3    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 83      |      |      |
| 4    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 81      |      |      |
| 5    | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14       | 001685-82-1 | 76      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

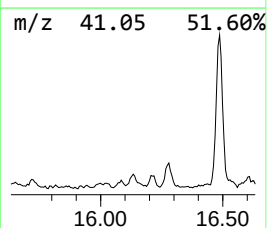
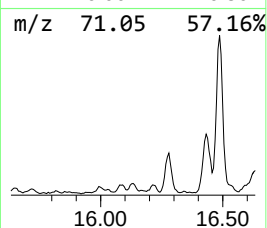
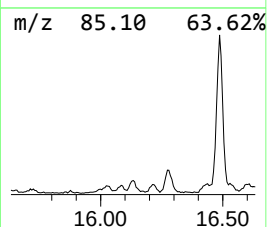
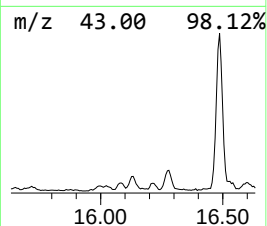
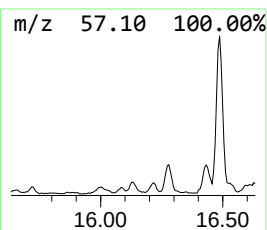
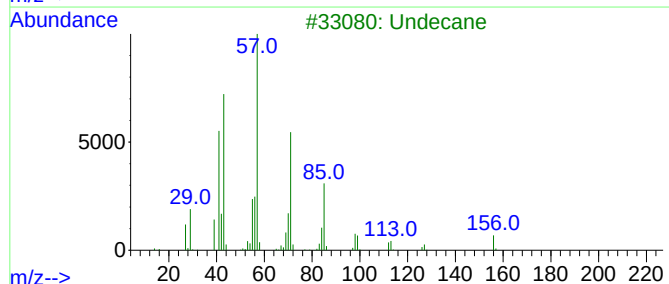
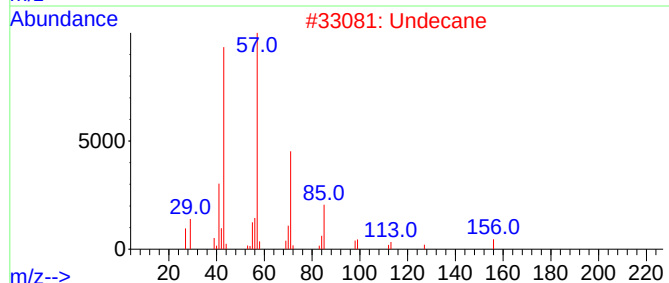
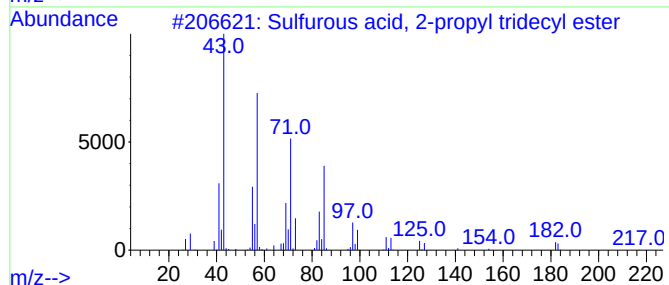
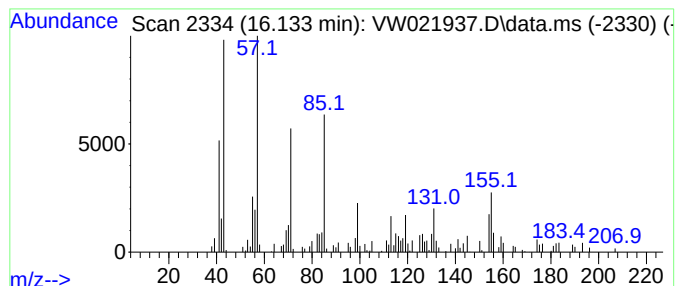
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Quant Title : SFAM01.0

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

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Peak Number 32 unknown-04 Concentration Rank 35

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.133 | 1.97 ug/L | 47501 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, 2-propyl tridecy... | 306 | C16H34O3S | 1000309-12-4 | 46   |
| 2    |    |   | Undecane                            | 156 | C11H24    | 001120-21-4  | 41   |
| 3    |    |   | Undecane                            | 156 | C11H24    | 001120-21-4  | 41   |
| 4    |    |   | Octane, 3,5-dimethyl-               | 142 | C10H22    | 015869-93-9  | 38   |
| 5    |    |   | Tridecane                           | 184 | C13H28    | 000629-50-5  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

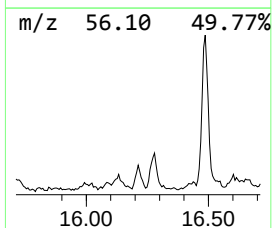
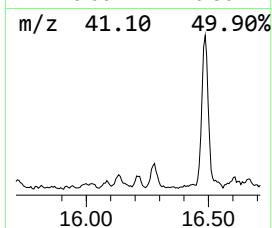
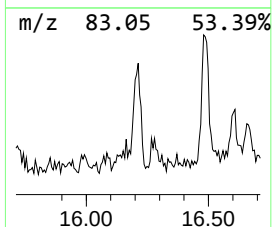
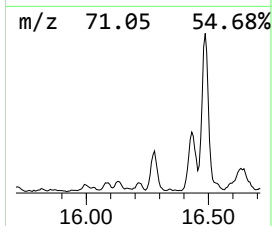
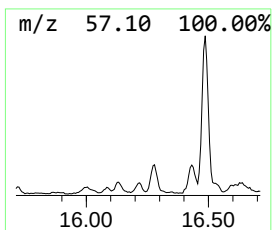
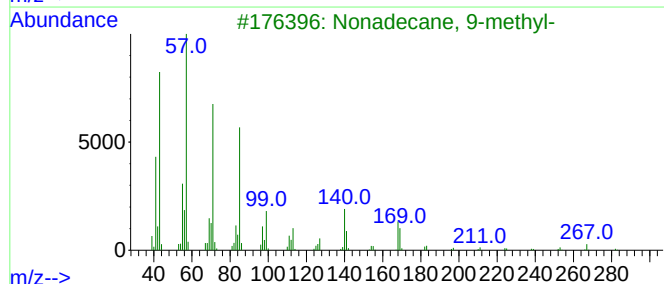
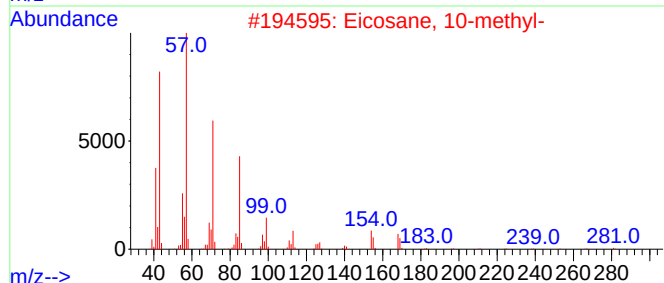
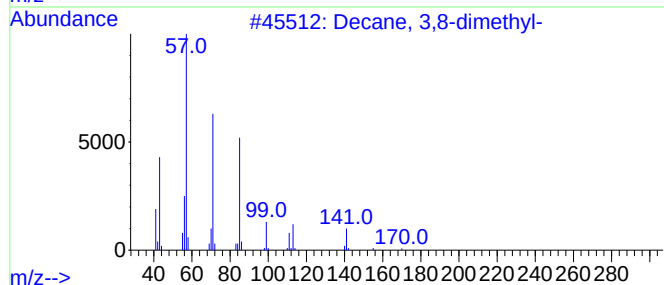
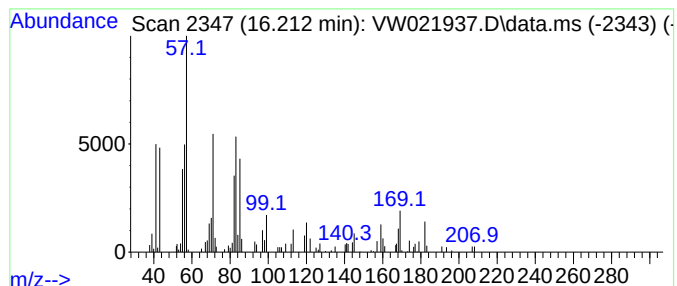
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 37

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.212 | 1.34 ug/L | 32245 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm     | CAS#         | Qual |
|------|------|--------------------------------|-----|-------------|--------------|------|
| 1    |      | Decane, 3,8-dimethyl-          | 170 | C12H26      | 017312-55-9  | 38   |
| 2    |      | Eicosane, 10-methyl-           | 296 | C21H44      | 054833-23-7  | 38   |
| 3    |      | Nonadecane, 9-methyl-          | 282 | C20H42      | 013287-24-6  | 38   |
| 4    |      | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 38   |
| 5    |      | Hexacosane                     | 366 | C26H54      | 000630-01-3  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

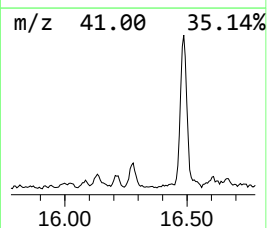
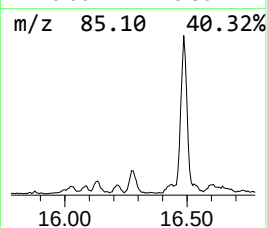
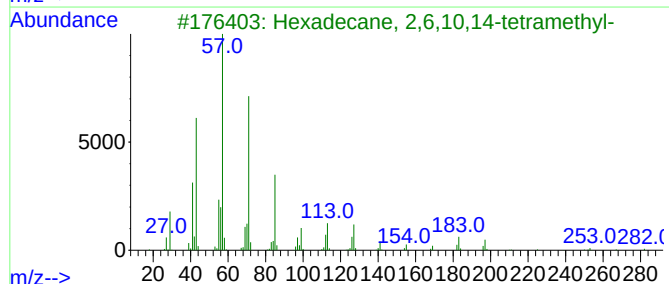
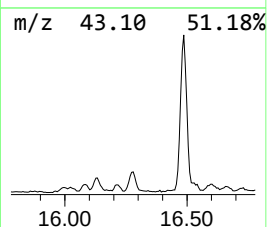
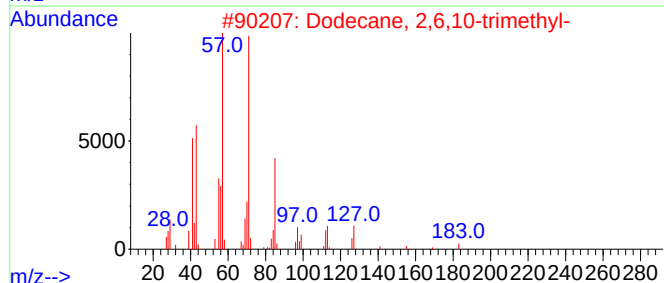
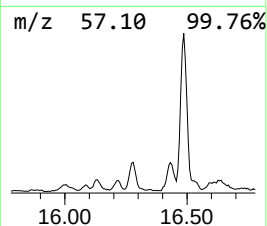
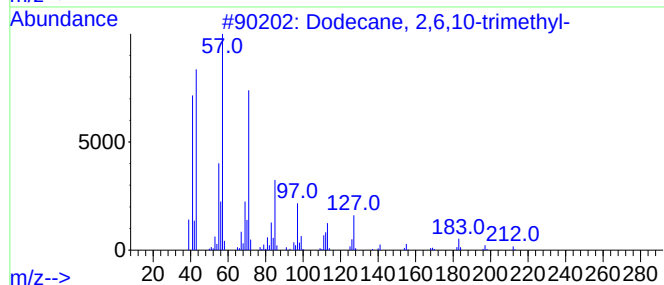
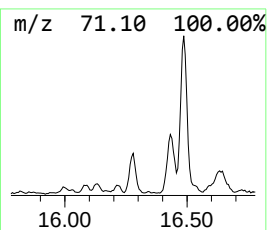
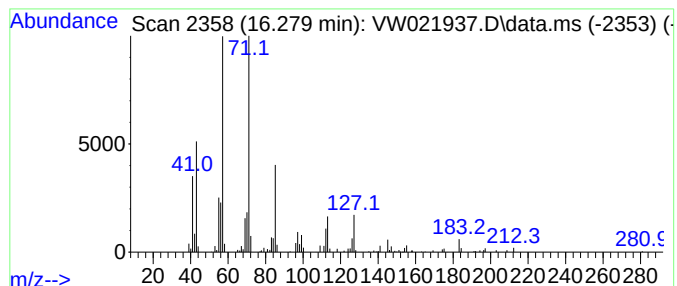
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.279 | 2.87 ug/L | 69225 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32  | 003891-98-3 | 94   |
| 2    |    |   | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32  | 003891-98-3 | 91   |
| 3    |    |   | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 90   |
| 4    |    |   | Dodecane, 2,7,10-trimethyl-        | 212 | C15H32  | 074645-98-0 | 72   |
| 5    |    |   | Nonane, 5-butyl-                   | 184 | C13H28  | 017312-63-9 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

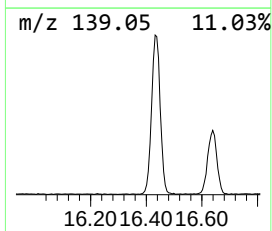
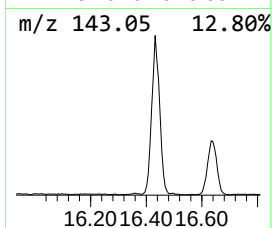
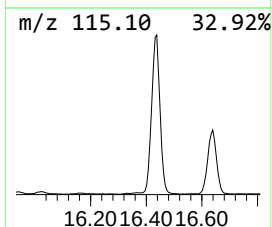
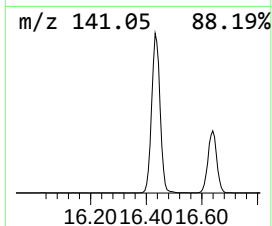
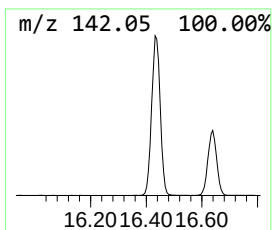
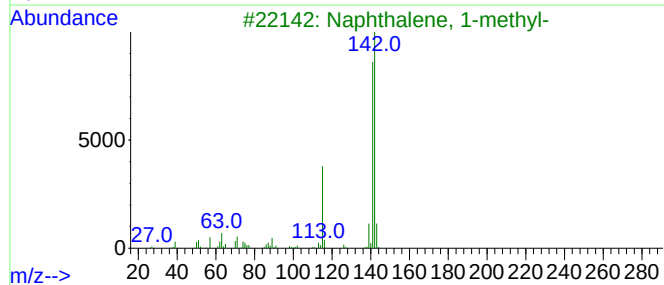
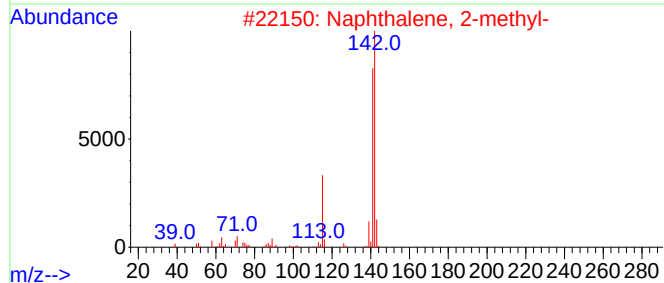
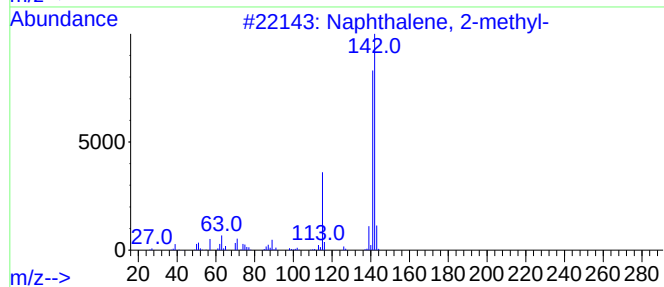
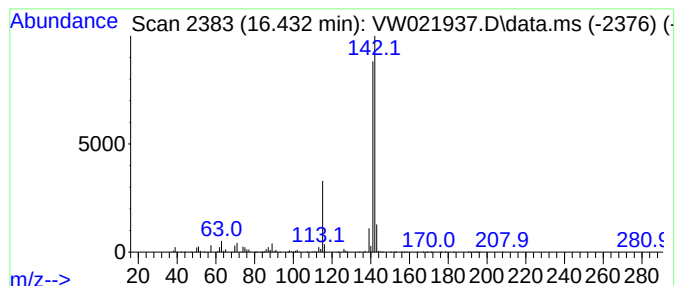
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Quant Title : SFAM01.0

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

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Peak Number 35 Naphthalene, 2-methyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 16.432 | 76.15 ug/L | 1839270 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 4    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 95   |
| 5    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

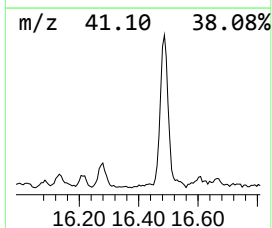
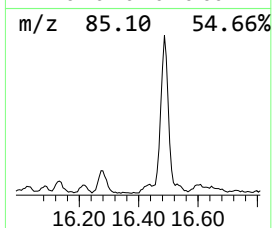
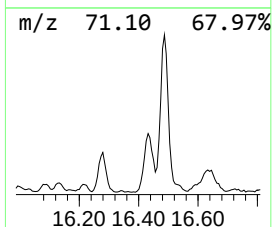
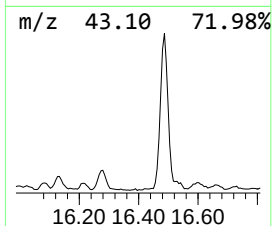
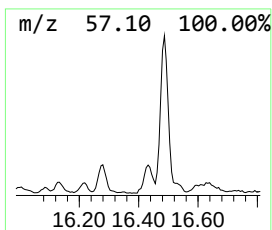
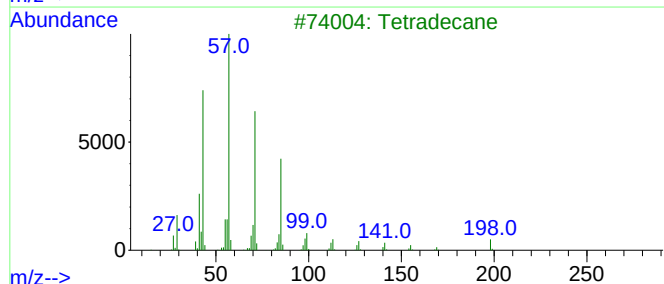
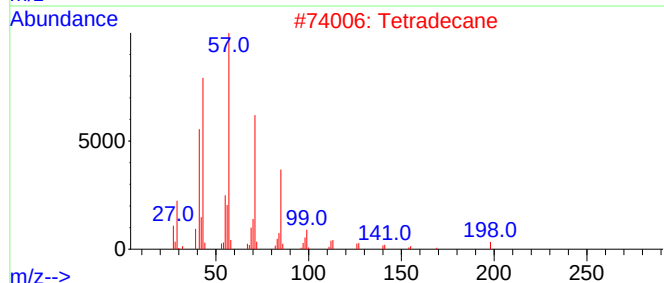
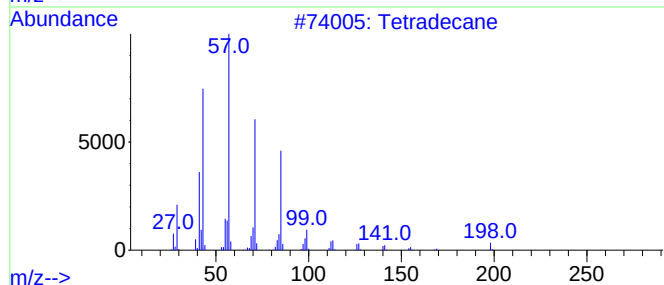
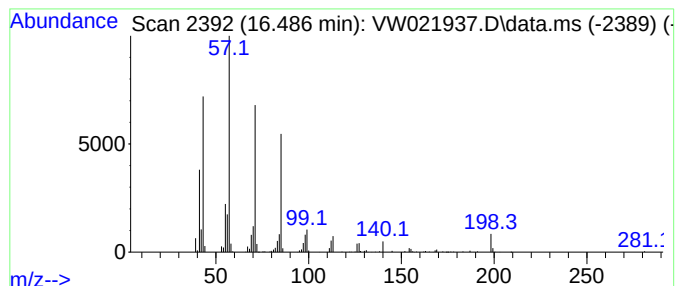
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Quant Title : SFAM01.0

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

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Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.486 | 15.45 ug/L | 373185 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|------|------------------------------------|-----|----------|--------------|------|
| 1    |      | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 95   |
| 2    |      | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 94   |
| 3    |      | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 94   |
| 4    |      | Tridecane                          | 184 | C13H28   | 000629-50-5  | 91   |
| 5    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
Data File : VW021937.D  
Acq On : 15 Jan 2022 04:55  
Operator : SY/VA  
Sample : N1155-10  
Misc : 5.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGLW4

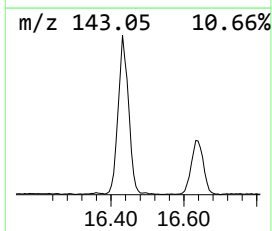
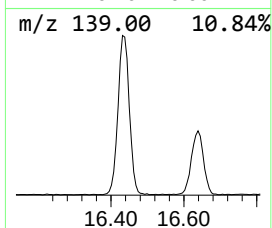
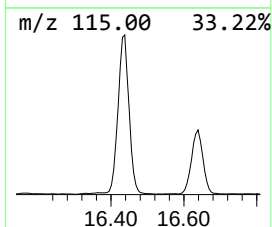
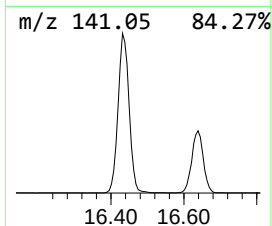
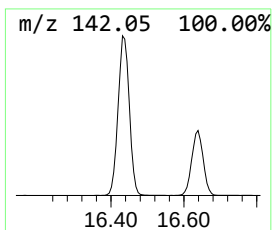
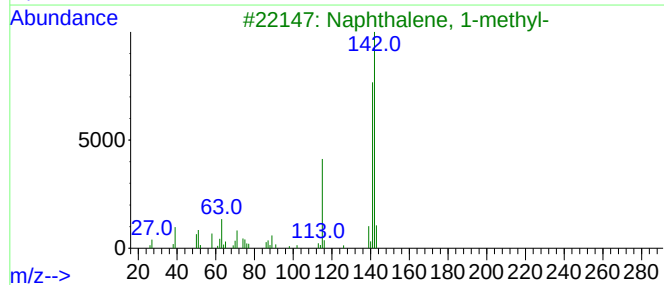
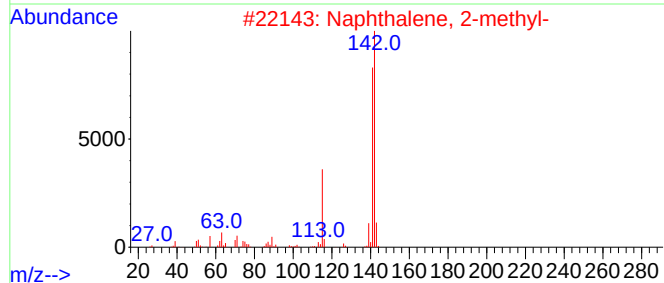
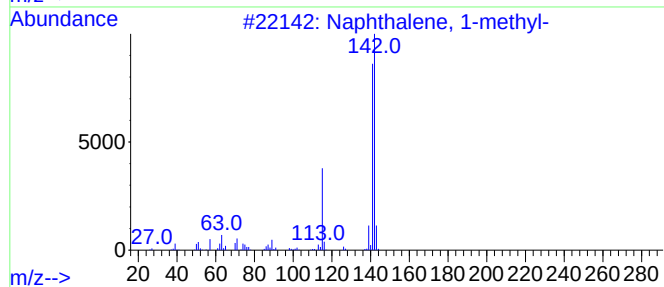
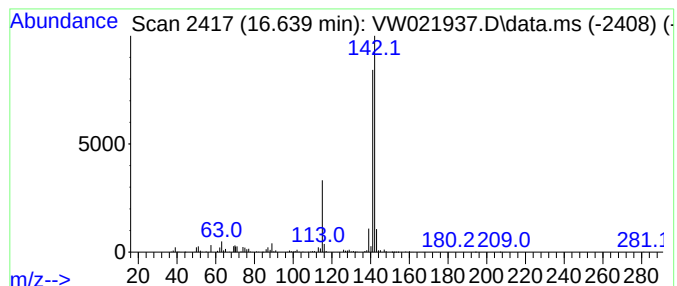
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 37 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.639 | 34.67 ug/L | 837328 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |
| 3    |    |   | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |
| 4    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |
| 5    |    |   | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
 Data File : VW021937.D  
 Acq On : 15 Jan 2022 04:55  
 Operator : SY/VA  
 Sample : N1155-10  
 Misc : 5.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGLW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.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 |
| Benzene, propyl-   | 12.804 | 7.2     | ug/L  | 172801   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1-ethy... | 12.865 | 9.6     | ug/L  | 231955   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1-ethy... | 13.103 | 14.5    | ug/L  | 349686   | 3                     | 13.560 | 603813 | 25.0 |
| Naphthalene, 1,... | 13.322 | 5.1     | ug/L  | 123614   | 3                     | 13.560 | 603813 | 25.0 |
| Naphthalene, 2,... | 13.444 | 6.8     | ug/L  | 165448   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1,2-di... | 13.719 | 2.8     | ug/L  | 68672    | 3                     | 13.560 | 603813 | 25.0 |
| Indane             | 13.755 | 16.3    | ug/L  | 393144   | 3                     | 13.560 | 603813 | 25.0 |
| 1-Propyne, 3-ph... | 13.938 | 12.8    | ug/L  | 309946   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 4-ethy... | 14.005 | 4.3     | ug/L  | 103793   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1-meth... | 14.036 | 5.2     | ug/L  | 124897   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 2-ethy... | 14.091 | 9.3     | ug/L  | 224864   | 3                     | 13.560 | 603813 | 25.0 |
| unknown-01         | 14.200 | 3.9     | ug/L  | 95024    | 3                     | 13.560 | 603813 | 25.0 |
| o-Cymene           | 14.334 | 2.8     | ug/L  | 67431    | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1,2,3,... | 14.414 | 4.7     | ug/L  | 114584   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1,2,4,... | 14.456 | 6.4     | ug/L  | 153852   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 1-ethe... | 14.682 | 4.3     | ug/L  | 103790   | 3                     | 13.560 | 603813 | 25.0 |
| (DEL) Alkane: S... | 14.719 | 4.0     | ug/L  | 96557    | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, 2-ethy... | 14.792 | 13.4    | ug/L  | 324578   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, (1,1-d... | 14.853 | 2.1     | ug/L  | 51162    | 3                     | 13.560 | 603813 | 25.0 |
| unknown-02         | 14.950 | 3.6     | ug/L  | 86151    | 3                     | 13.560 | 603813 | 25.0 |
| 3,4-Dimethylcumene | 15.066 | 10.8    | ug/L  | 260842   | 3                     | 13.560 | 603813 | 25.0 |
| Pyrazine, 3,5-d... | 15.164 | 5.3     | ug/L  | 129169   | 3                     | 13.560 | 603813 | 25.0 |
| Azulene            | 15.359 | 76.2    | ug/L  | 1841310  | 3                     | 13.560 | 603813 | 25.0 |
| unknown-03         | 15.462 | 5.3     | ug/L  | 127355   | 3                     | 13.560 | 603813 | 25.0 |
| (DEL) Alkane: S... | 15.548 | 5.3     | ug/L  | 128373   | 3                     | 13.560 | 603813 | 25.0 |
| 1H-Indene, 2,3-... | 15.651 | 5.4     | ug/L  | 131144   | 3                     | 13.560 | 603813 | 25.0 |
| 1H-Indene, 2,3-... | 15.822 | 4.4     | ug/L  | 106785   | 3                     | 13.560 | 603813 | 25.0 |
| Benzene, pentam... | 15.944 | 2.6     | ug/L  | 62958    | 3                     | 13.560 | 603813 | 25.0 |
| 1H-Indene, 2,3-... | 16.023 | 2.5     | ug/L  | 60048    | 3                     | 13.560 | 603813 | 25.0 |
| unknown-04         | 16.133 | 2.0     | ug/L  | 47501    | 3                     | 13.560 | 603813 | 25.0 |
| (DEL) Alkane: S... | 16.212 | 1.3     | ug/L  | 32245    | 3                     | 13.560 | 603813 | 25.0 |
| (DEL) Alkane: S... | 16.279 | 2.9     | ug/L  | 69225    | 3                     | 13.560 | 603813 | 25.0 |
| Naphthalene, 2-... | 16.432 | 76.2    | ug/L  | 1839270  | 3                     | 13.560 | 603813 | 25.0 |
| (DEL) Alkane: S... | 16.486 | 15.4    | ug/L  | 373185   | 3                     | 13.560 | 603813 | 25.0 |
| Naphthalene, 1-... | 16.639 | 34.7    | ug/L  | 837328   | 3                     | 13.560 | 603813 | 25.0 |