

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
 Data File : VW022017.D  
 Acq On : 01 Feb 2022 21:32  
 Operator : SY/VA  
 Sample : N1353-05  
 Misc : 4.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 COVE6

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\SFAMWLM020122SMA.M  
 Title : SFAM01.0

Signal : TIC: VW022017.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         | 2.148       | 38            | 40          | 41           | rBV2     | 434            | 415           | 0.00%           | 0.001%        |
| 2         | 2.215       | 44            | 51          | 54           | rBV4     | 1388           | 3440          | 0.01%           | 0.005%        |
| 3         | 2.349       | 64            | 73          | 81           | rVB      | 47819          | 89747         | 0.26%           | 0.139%        |
| 4         | 2.885       | 154           | 161         | 170          | rVB      | 27130          | 55990         | 0.16%           | 0.087%        |
| 5         | 3.270       | 221           | 224         | 228          | rVB2     | 325            | 409           | 0.00%           | 0.001%        |
| 6         | 3.391       | 237           | 244         | 252          | rBV6     | 668            | 1913          | 0.01%           | 0.003%        |
| 7         | 3.605       | 274           | 279         | 283          | rBV4     | 777            | 1809          | 0.01%           | 0.003%        |
| 8         | 4.013       | 335           | 346         | 355          | rBV      | 58879          | 164627        | 0.47%           | 0.255%        |
| 9         | 4.129       | 355           | 365         | 381          | rVB      | 493066         | 1390470       | 4.00%           | 2.151%        |
| 10        | 4.428       | 401           | 414         | 438          | rBV      | 49970          | 226440        | 0.65%           | 0.350%        |
| 11        | 4.714       | 460           | 461         | 467          | rVB2     | 319            | 417           | 0.00%           | 0.001%        |
| 12        | 4.769       | 467           | 470         | 474          | rVB2     | 326            | 441           | 0.00%           | 0.001%        |
| 13        | 4.916       | 491           | 494         | 500          | rVB6     | 1841           | 3536          | 0.01%           | 0.005%        |
| 14        | 5.196       | 518           | 540         | 559          | rBV4     | 13206          | 63463         | 0.18%           | 0.098%        |
| 15        | 5.416       | 569           | 576         | 579          | rBV4     | 755            | 1694          | 0.00%           | 0.003%        |
| 16        | 5.690       | 618           | 621         | 623          | rBV      | 245            | 395           | 0.00%           | 0.001%        |
| 17        | 5.775       | 626           | 635         | 636          | rBV      | 2075           | 3229          | 0.01%           | 0.005%        |
| 18        | 5.922       | 655           | 659         | 661          | rBV2     | 386            | 537           | 0.00%           | 0.001%        |
| 19        | 5.940       | 661           | 662         | 666          | rVV3     | 421            | 495           | 0.00%           | 0.001%        |
| 20        | 6.330       | 719           | 726         | 728          | rBV4     | 354            | 573           | 0.00%           | 0.001%        |
| 21        | 6.428       | 735           | 742         | 743          | rBV3     | 297            | 482           | 0.00%           | 0.001%        |
| 22        | 6.482       | 748           | 751         | 755          | rVB2     | 397            | 582           | 0.00%           | 0.001%        |
| 23        | 6.897       | 811           | 819         | 832          | rBV2     | 6737           | 20013         | 0.06%           | 0.031%        |
| 24        | 7.080       | 841           | 849         | 855          | rBV2     | 12156          | 34159         | 0.10%           | 0.053%        |
| 25        | 7.171       | 855           | 864         | 881          | rVB      | 202261         | 547871        | 1.58%           | 0.847%        |
| 26        | 7.427       | 903           | 906         | 911          | rVB4     | 283            | 406           | 0.00%           | 0.001%        |
| 27        | 7.513       | 911           | 920         | 932          | rBV2     | 18267          | 54792         | 0.16%           | 0.085%        |
| 28        | 7.647       | 932           | 942         | 954          | rVB      | 76670          | 191427        | 0.55%           | 0.296%        |
| 29        | 8.287       | 1034          | 1047        | 1063         | rBV2     | 1100566        | 2676514       | 7.70%           | 4.140%        |
| 30        | 8.708       | 1110          | 1116        | 1123         | rVB2     | 4242           | 9102          | 0.03%           | 0.014%        |
| 31        | 8.842       | 1128          | 1138        | 1147         | rBV      | 192734         | 384917        | 1.11%           | 0.595%        |
| 32        | 9.055       | 1158          | 1173        | 1188         | rBV      | 3727454        | 7845682       | 22.58%          | 12.136%       |
| 33        | 9.281       | 1202          | 1210        | 1228         | rVB      | 839762         | 1625264       | 4.68%           | 2.514%        |
| 34        | 9.598       | 1255          | 1262        | 1267         | rBV      | 27625          | 52738         | 0.15%           | 0.082%        |
| 35        | 9.896       | 1307          | 1311        | 1315         | rBV4     | 1443           | 2107          | 0.01%           | 0.003%        |
| 36        | 9.957       | 1316          | 1321        | 1327         | rVV4     | 6125           | 11913         | 0.03%           | 0.018%        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 COVE6

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\SFAMWLM020122SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 37 | 10.037 | 1328 | 1334 | 1340 | rVV  | 55403    | 98496    | 0.28%   | 0.152%  |
| 38 | 10.098 | 1340 | 1344 | 1353 | rVB4 | 7450     | 16870    | 0.05%   | 0.026%  |
| 39 | 10.220 | 1353 | 1364 | 1374 | rBV  | 21592648 | 34751066 | 100.00% | 53.755% |
| 40 | 10.329 | 1375 | 1382 | 1386 | rVV  | 248695   | 455619   | 1.31%   | 0.705%  |
| 41 | 10.390 | 1386 | 1392 | 1405 | rVB  | 1174381  | 1989438  | 5.72%   | 3.077%  |
| 42 | 10.506 | 1405 | 1411 | 1415 | rBV  | 20131    | 33265    | 0.10%   | 0.051%  |
| 43 | 10.573 | 1415 | 1422 | 1433 | rBV2 | 233115   | 412522   | 1.19%   | 0.638%  |
| 44 | 10.665 | 1433 | 1437 | 1439 | rBV5 | 5777     | 8656     | 0.02%   | 0.013%  |
| 45 | 10.701 | 1439 | 1443 | 1447 | rVB  | 12723    | 17769    | 0.05%   | 0.027%  |
| 46 | 10.921 | 1473 | 1479 | 1485 | rBV  | 51550    | 93655    | 0.27%   | 0.145%  |
| 47 | 11.067 | 1493 | 1503 | 1513 | rBV  | 188977   | 327813   | 0.94%   | 0.507%  |
| 48 | 11.177 | 1517 | 1521 | 1525 | rVV2 | 14557    | 24282    | 0.07%   | 0.038%  |
| 49 | 11.225 | 1525 | 1529 | 1535 | rVB2 | 8299     | 15079    | 0.04%   | 0.023%  |
| 50 | 11.335 | 1542 | 1547 | 1551 | rBV4 | 5225     | 9809     | 0.03%   | 0.015%  |
| 51 | 11.439 | 1551 | 1564 | 1571 | rVB3 | 27628    | 72451    | 0.21%   | 0.112%  |
| 52 | 11.512 | 1571 | 1576 | 1582 | rBV2 | 9243     | 15155    | 0.04%   | 0.023%  |
| 53 | 11.628 | 1587 | 1595 | 1601 | rBV  | 275086   | 476178   | 1.37%   | 0.737%  |
| 54 | 11.731 | 1605 | 1612 | 1621 | rVV  | 743796   | 1244779  | 3.58%   | 1.925%  |
| 55 | 11.835 | 1621 | 1629 | 1639 | rVB  | 2789786  | 5029469  | 14.47%  | 7.780%  |
| 56 | 12.018 | 1653 | 1659 | 1670 | rVB3 | 9474     | 25580    | 0.07%   | 0.040%  |
| 57 | 12.164 | 1672 | 1683 | 1689 | rBV  | 1027375  | 1676558  | 4.82%   | 2.593%  |
| 58 | 12.231 | 1689 | 1694 | 1703 | rVB  | 231087   | 354378   | 1.02%   | 0.548%  |
| 59 | 12.317 | 1703 | 1708 | 1716 | rBV2 | 10126    | 19556    | 0.06%   | 0.030%  |
| 60 | 12.463 | 1726 | 1732 | 1737 | rBV  | 14756    | 24237    | 0.07%   | 0.037%  |
| 61 | 12.530 | 1741 | 1743 | 1747 | rBV3 | 1901     | 2600     | 0.01%   | 0.004%  |
| 62 | 12.603 | 1749 | 1755 | 1761 | rBV3 | 75901    | 126906   | 0.37%   | 0.196%  |
| 63 | 12.689 | 1761 | 1769 | 1780 | rBV3 | 88261    | 242471   | 0.70%   | 0.375%  |
| 64 | 12.804 | 1784 | 1788 | 1792 | rVB  | 10427    | 15992    | 0.05%   | 0.025%  |
| 65 | 12.865 | 1792 | 1798 | 1801 | rBV  | 41221    | 69191    | 0.20%   | 0.107%  |
| 66 | 12.939 | 1806 | 1810 | 1816 | rVB2 | 32380    | 55983    | 0.16%   | 0.087%  |
| 67 | 13.109 | 1828 | 1838 | 1845 | rBV  | 251559   | 372500   | 1.07%   | 0.576%  |
| 68 | 13.249 | 1855 | 1861 | 1865 | rBV  | 48855    | 78019    | 0.22%   | 0.121%  |
| 69 | 13.292 | 1865 | 1868 | 1873 | rVB  | 11682    | 17151    | 0.05%   | 0.027%  |
| 70 | 13.365 | 1878 | 1880 | 1885 | rVB4 | 2706     | 3401     | 0.01%   | 0.005%  |
| 71 | 13.408 | 1885 | 1887 | 1890 | rBV3 | 1449     | 1751     | 0.01%   | 0.003%  |
| 72 | 13.554 | 1904 | 1911 | 1930 | rBV  | 289453   | 514378   | 1.48%   | 0.796%  |
| 73 | 13.749 | 1940 | 1943 | 1945 | rBV3 | 5253     | 7001     | 0.02%   | 0.011%  |
| 74 | 13.853 | 1953 | 1960 | 1967 | rBV  | 197614   | 346864   | 1.00%   | 0.537%  |
| 75 | 14.012 | 1983 | 1986 | 1989 | rBV4 | 3166     | 5084     | 0.01%   | 0.008%  |
| 76 | 14.066 | 1990 | 1995 | 2011 | rVB3 | 27984    | 63198    | 0.18%   | 0.098%  |

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 ClientSampleId :  
 COVE6

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\SFAMWLM020122SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.188 | 2012 | 2015 | 2021 | rBV7 | 1516  | 3173  | 0.01% | 0.005% |
| 78  | 14.298 | 2028 | 2033 | 2042 | rVB  | 11158 | 21856 | 0.06% | 0.034% |
| 79  | 14.377 | 2044 | 2046 | 2050 | rVB5 | 1953  | 2372  | 0.01% | 0.004% |
| 80  | 14.536 | 2069 | 2072 | 2080 | rVB8 | 1606  | 3093  | 0.01% | 0.005% |
| 81  | 14.688 | 2095 | 2097 | 2099 | rBV3 | 862   | 859   | 0.00% | 0.001% |
| 82  | 14.719 | 2099 | 2102 | 2108 | rVB4 | 2094  | 3466  | 0.01% | 0.005% |
| 83  | 14.932 | 2132 | 2137 | 2139 | rBV4 | 382   | 565   | 0.00% | 0.001% |
| 84  | 14.999 | 2144 | 2148 | 2150 | rBV2 | 411   | 538   | 0.00% | 0.001% |
| 85  | 15.030 | 2152 | 2153 | 2156 | rBV3 | 368   | 419   | 0.00% | 0.001% |
| 86  | 15.072 | 2156 | 2160 | 2162 | rVB4 | 797   | 987   | 0.00% | 0.002% |
| 87  | 15.176 | 2174 | 2177 | 2178 | rVB3 | 559   | 466   | 0.00% | 0.001% |
| 88  | 15.188 | 2178 | 2179 | 2182 | rBV2 | 530   | 446   | 0.00% | 0.001% |
| 89  | 15.371 | 2204 | 2209 | 2211 | rVV2 | 881   | 1403  | 0.00% | 0.002% |
| 90  | 15.432 | 2213 | 2219 | 2224 | rVV  | 9978  | 16048 | 0.05% | 0.025% |
| 91  | 15.481 | 2224 | 2227 | 2235 | rVV2 | 1265  | 2727  | 0.01% | 0.004% |
| 92  | 15.542 | 2235 | 2237 | 2243 | rVV6 | 1171  | 1703  | 0.00% | 0.003% |
| 93  | 15.688 | 2258 | 2261 | 2265 | rBV4 | 419   | 799   | 0.00% | 0.001% |
| 94  | 15.749 | 2269 | 2271 | 2273 | rVV2 | 527   | 430   | 0.00% | 0.001% |
| 95  | 15.767 | 2273 | 2274 | 2276 | rVV2 | 409   | 391   | 0.00% | 0.001% |
| 96  | 15.792 | 2276 | 2278 | 2280 | rVV3 | 631   | 638   | 0.00% | 0.001% |
| 97  | 15.847 | 2285 | 2287 | 2289 | rBV2 | 452   | 478   | 0.00% | 0.001% |
| 98  | 15.956 | 2302 | 2305 | 2307 | rVB4 | 630   | 591   | 0.00% | 0.001% |
| 99  | 16.468 | 2386 | 2389 | 2393 | rVV3 | 433   | 455   | 0.00% | 0.001% |
| 100 | 16.694 | 2425 | 2426 | 2429 | rVV  | 441   | 450   | 0.00% | 0.001% |

Sum of corrected areas: 64647532



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

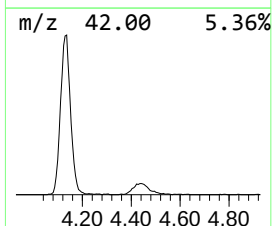
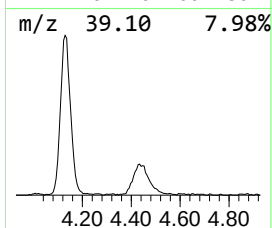
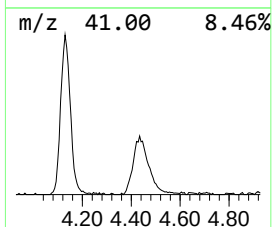
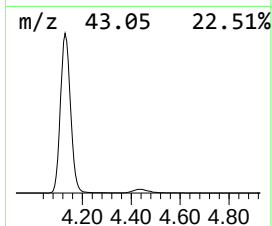
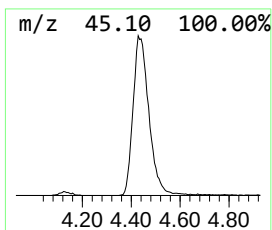
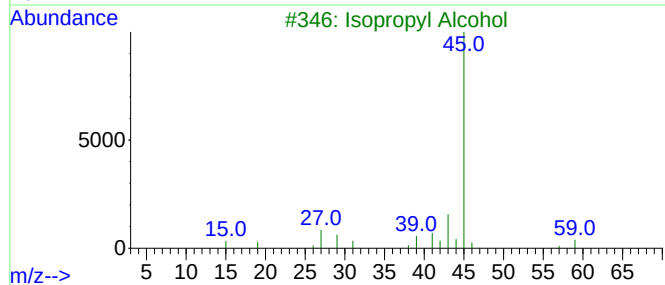
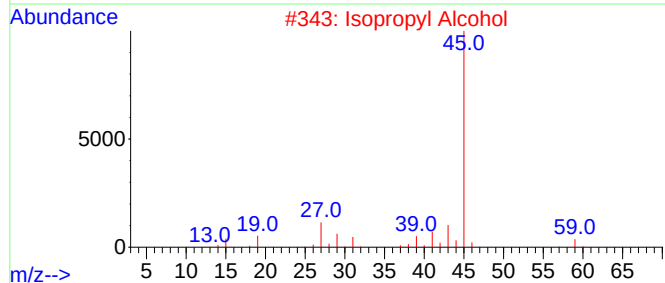
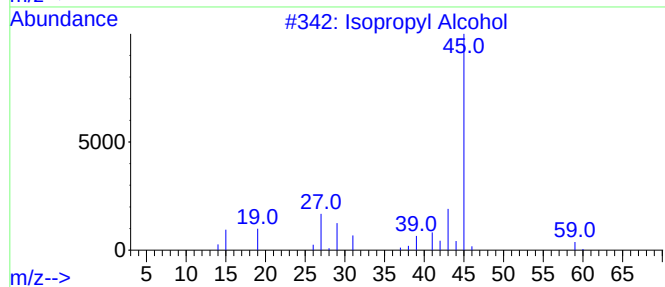
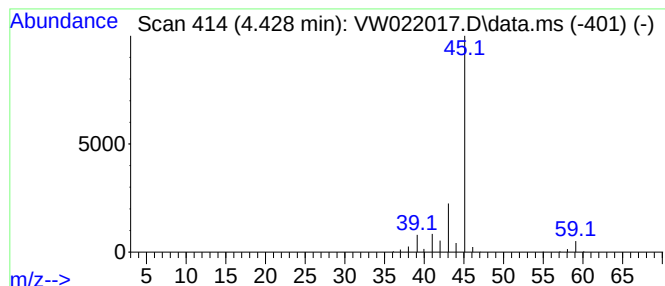
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 1 Isopropyl Alcohol Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 4.428 | 14.71 ug/L | 226440 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 83   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 64   |
| 4    |    |   | Hydrazine, ethyl- | 60 | C2H8N2  | 000624-80-6 | 40   |
| 5    |    |   | Hydrazine, ethyl- | 60 | C2H8N2  | 000624-80-6 | 9    |



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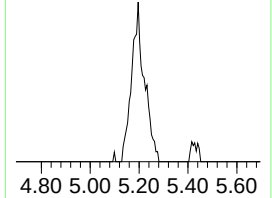
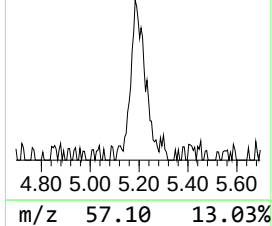
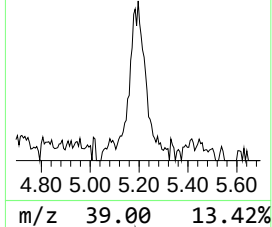
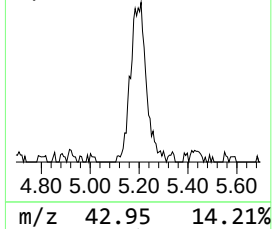
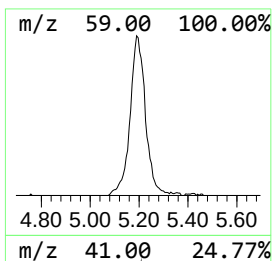
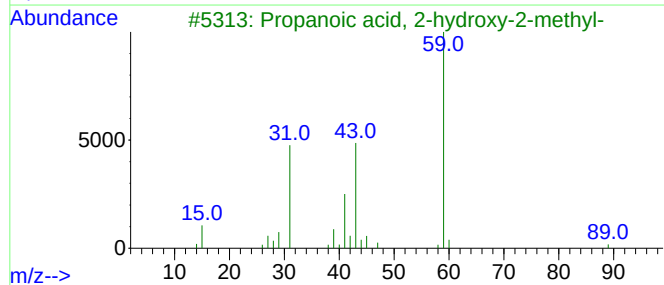
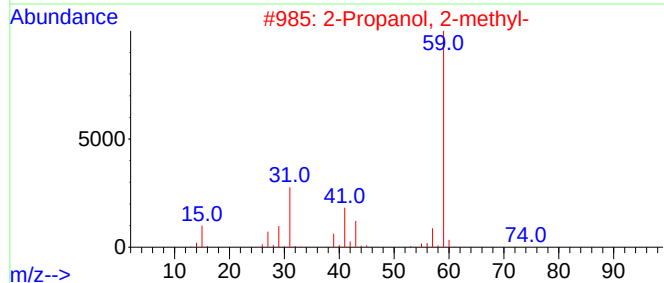
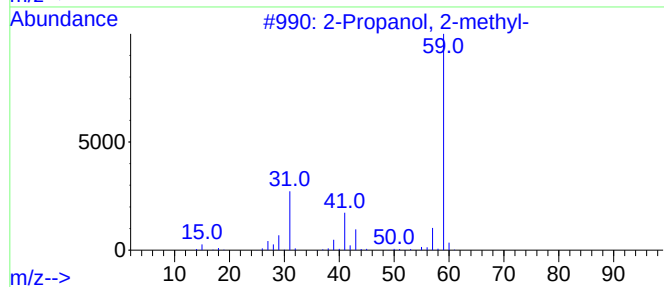
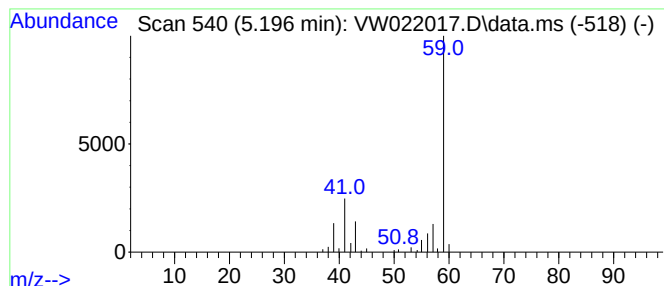
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.196 | 4.12 ug/L | 63463 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Propanol, 2-methyl-               |   |              | 74  | C4H10O  | 000075-65-0 | 56   |
| 2    | 2-Propanol, 2-methyl-               |   |              | 74  | C4H10O  | 000075-65-0 | 43   |
| 3    | Propanoic acid, 2-hydroxy-2-methyl- |   |              | 104 | C4H8O3  | 000594-61-6 | 38   |
| 4    | 2-Propanol, 2-methyl-               |   |              | 74  | C4H10O  | 000075-65-0 | 9    |
| 5    | Propanoic acid, 2-hydroxy-2-methyl- |   |              | 104 | C4H8O3  | 000594-61-6 | 9    |



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C0VE6

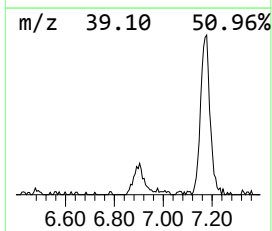
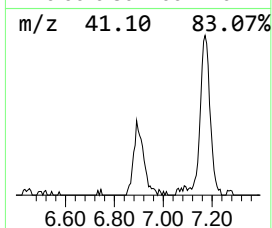
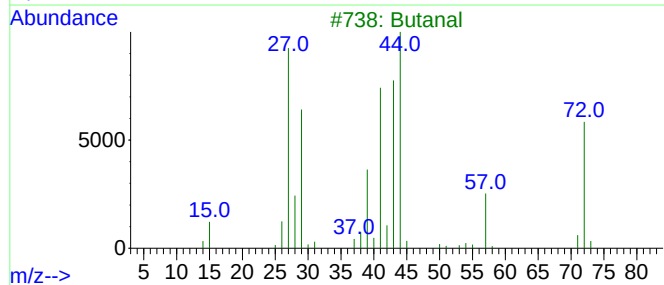
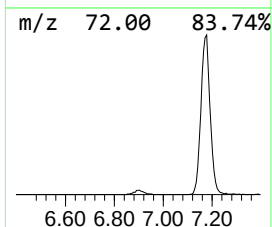
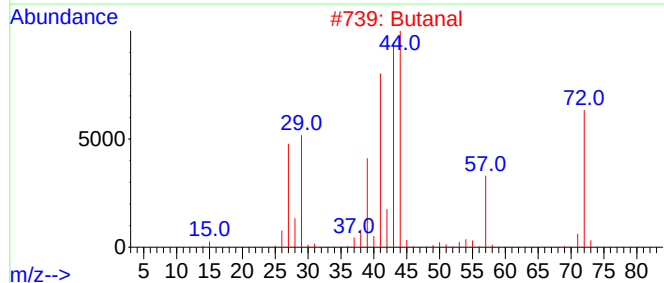
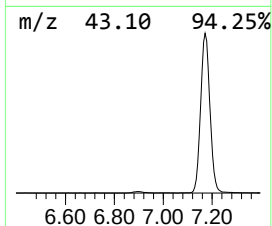
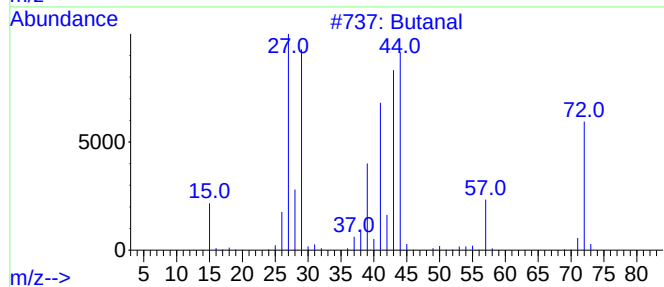
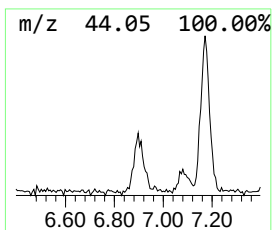
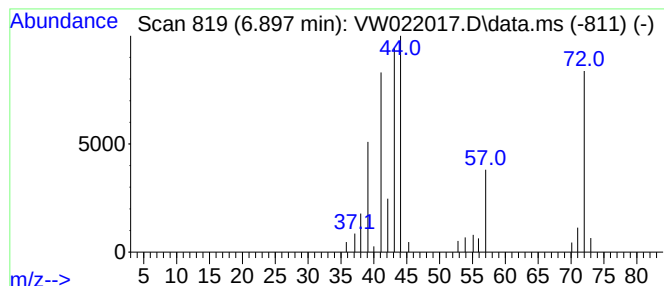
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Butanal Concentration Rank 16

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 6.897 | 1.30 ug/L | 20013 | 1,4-Difluorobenzene | 8.842 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0VE6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
Quant Title : SFAM01.0

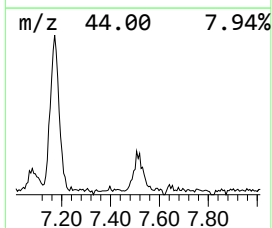
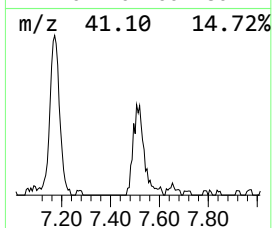
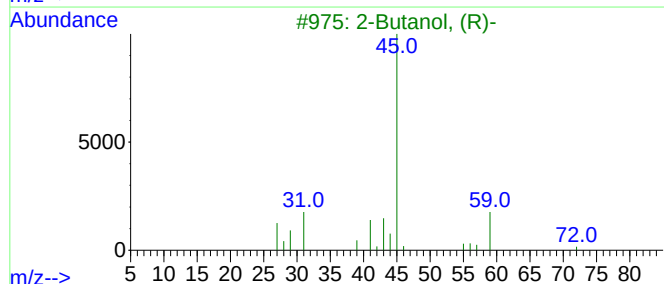
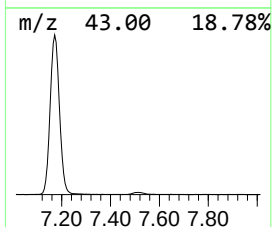
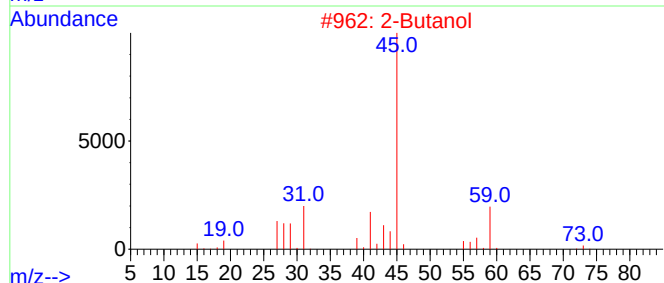
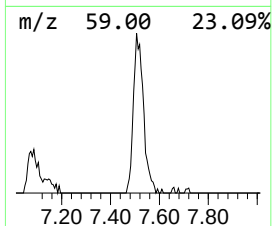
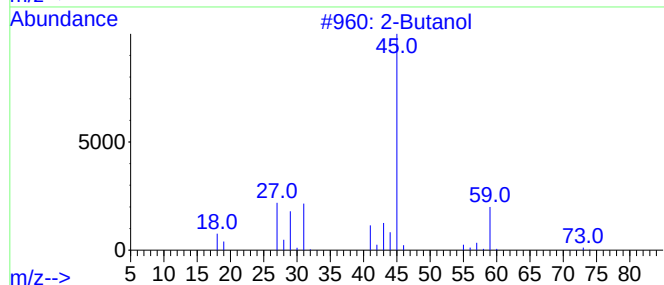
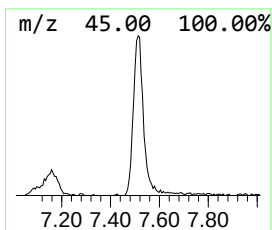
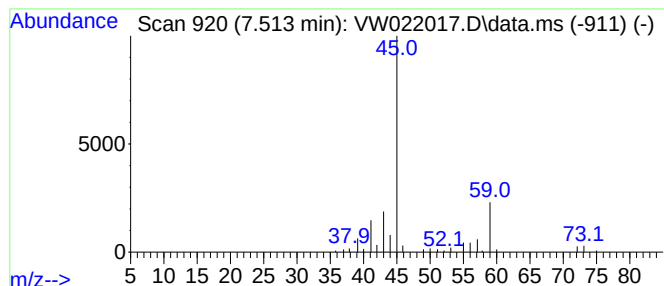
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Butanol Concentration Rank 10

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 7.513 | 3.56 ug/L | 54792 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of 5            | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------------|--------------|----|---------|-------------|------|
| 1    | 2-Butanol       |              | 74 | C4H10O  | 000078-92-2 | 83   |
| 2    | 2-Butanol       |              | 74 | C4H10O  | 000078-92-2 | 83   |
| 3    | 2-Butanol, (R)- |              | 74 | C4H10O  | 014898-79-4 | 78   |
| 4    | 2-Butanol       |              | 74 | C4H10O  | 000078-92-2 | 72   |
| 5    | 2-Butanol       |              | 74 | C4H10O  | 000078-92-2 | 43   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

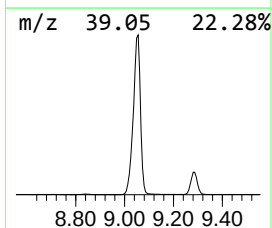
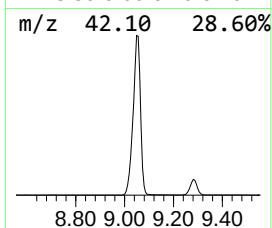
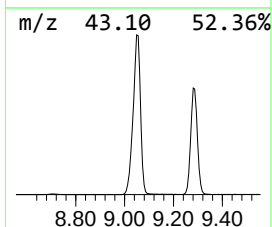
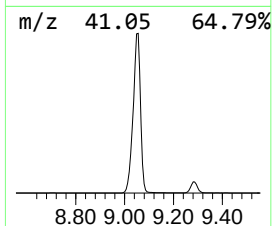
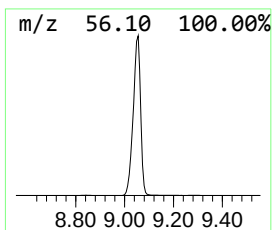
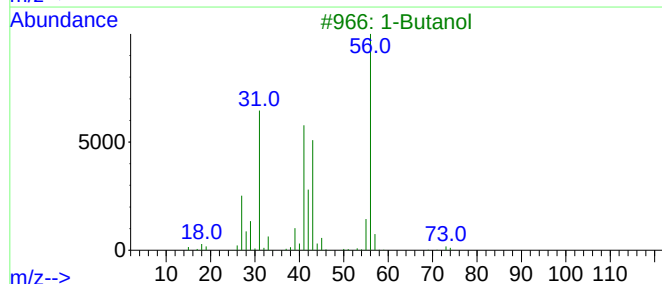
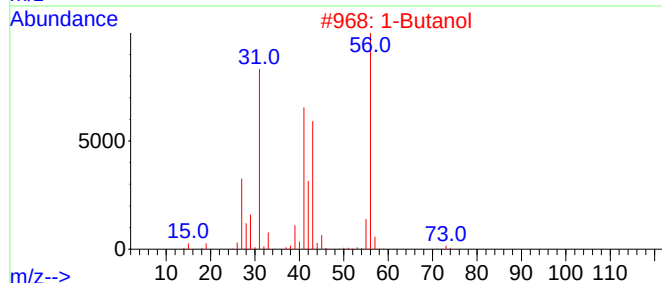
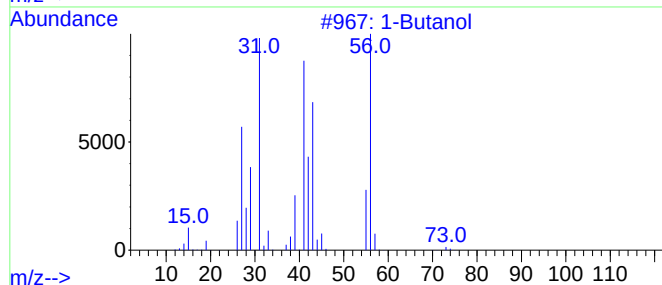
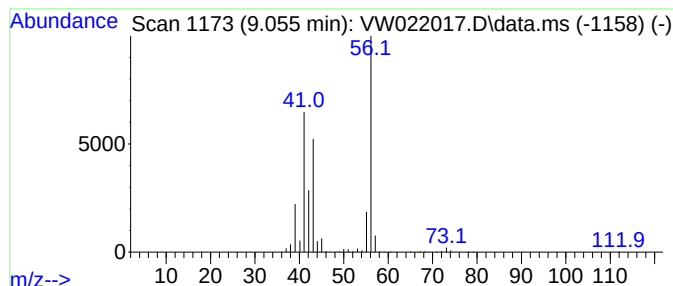
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Quant Title : SFAM01.0

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

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Peak Number 5 1-Butanol Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD    | R.T.  |
|-------|-------------|---------|---------------------|-------|
| 9.055 | 509.57 ug/L | 7845680 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of        | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|-----------|---|--------------|----|---------|-------------|------|
| 1    | 1-Butanol |   |              | 74 | C4H10O  | 000071-36-3 | 90   |
| 2    | 1-Butanol |   |              | 74 | C4H10O  | 000071-36-3 | 90   |
| 3    | 1-Butanol |   |              | 74 | C4H10O  | 000071-36-3 | 90   |
| 4    | 1-Butanol |   |              | 74 | C4H10O  | 000071-36-3 | 86   |
| 5    | 1-Butanol |   |              | 74 | C4H10O  | 000071-36-3 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
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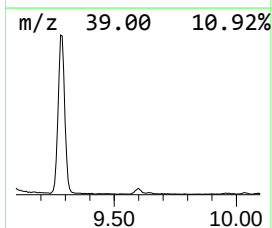
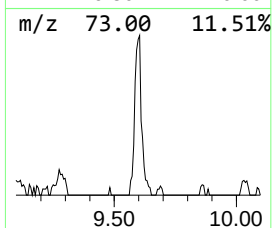
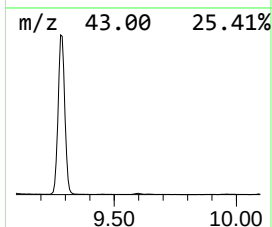
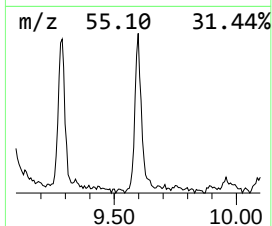
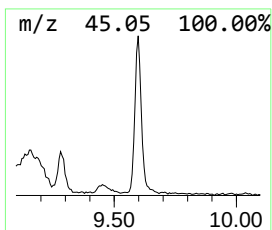
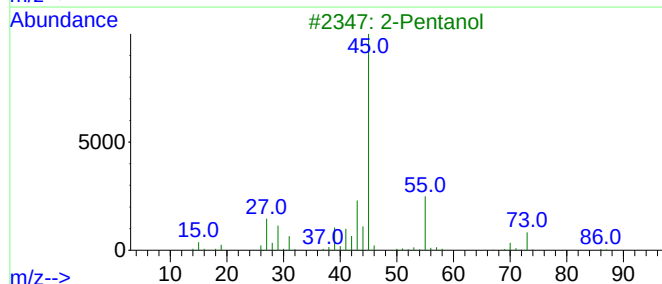
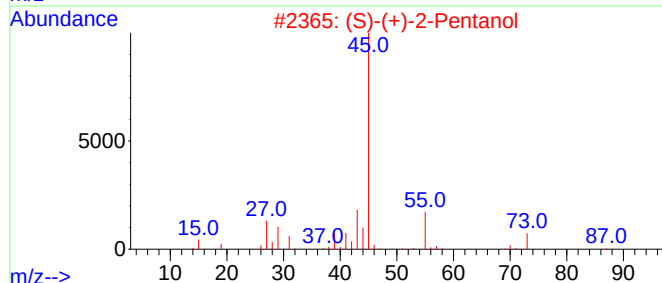
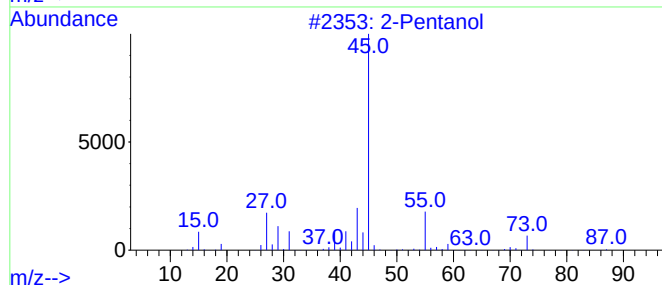
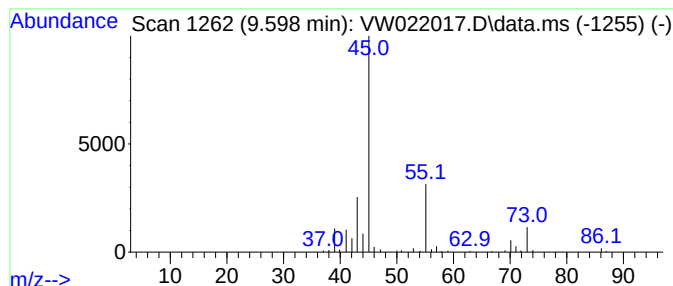
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 2-Pentanol Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.598 | 3.43 ug/L | 52738 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanol          | 88  | C5H12O  | 006032-29-7 | 78   |
| 2    |    |   | (S)-(+)-2-Pentanol  | 88  | C5H12O  | 026184-62-3 | 78   |
| 3    |    |   | 2-Pentanol          | 88  | C5H12O  | 006032-29-7 | 64   |
| 4    |    |   | 1-Butene, 4-methoxy | 86  | C5H10O  | 004696-30-4 | 59   |
| 5    |    |   | 3-Ethyl-2-pentanol  | 116 | C7H16O  | 000609-27-8 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

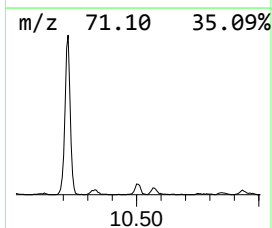
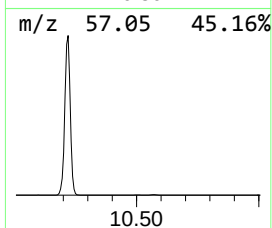
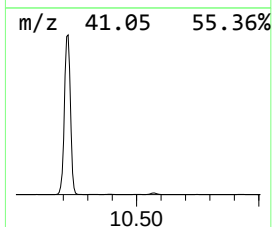
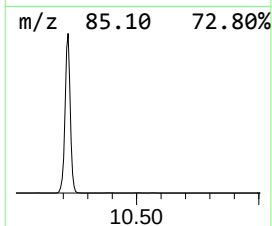
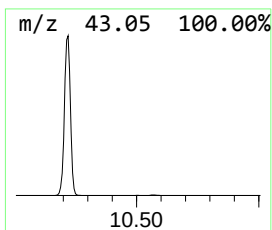
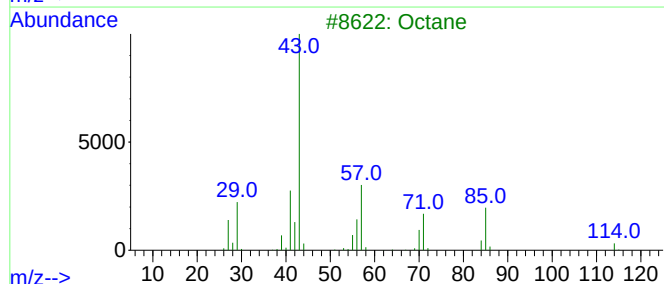
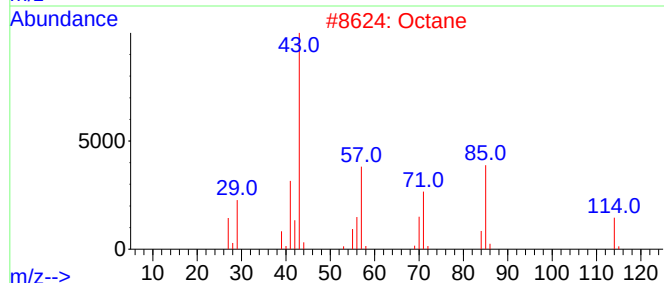
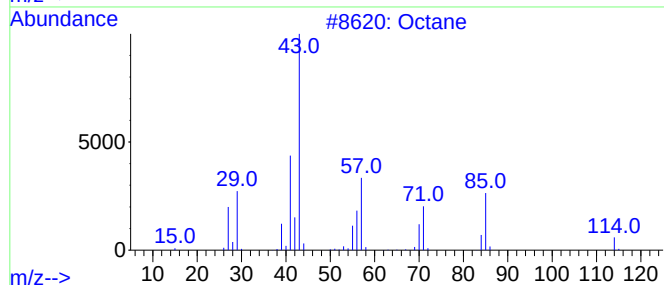
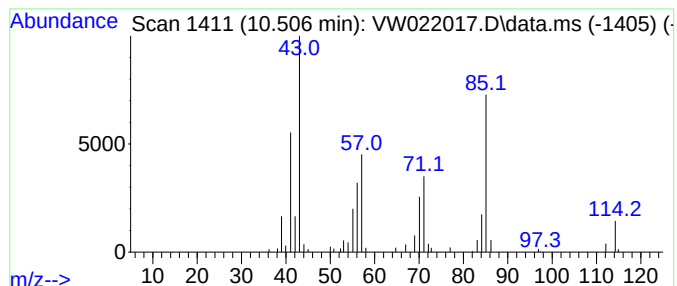
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Quant Title : SFAM01.0

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

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 10.506 | 1.75 ug/L | 33265 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane                 | 114 | C8H18   | 000111-65-9 | 93   |
| 2    |    |   | Octane                 | 114 | C8H18   | 000111-65-9 | 90   |
| 3    |    |   | Octane                 | 114 | C8H18   | 000111-65-9 | 83   |
| 4    |    |   | Octane                 | 114 | C8H18   | 000111-65-9 | 64   |
| 5    |    |   | Heptane, 2,4-dimethyl- | 128 | C9H20   | 002213-23-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0VE6

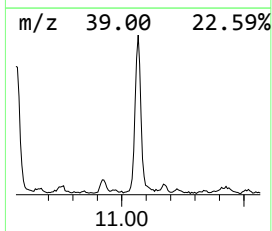
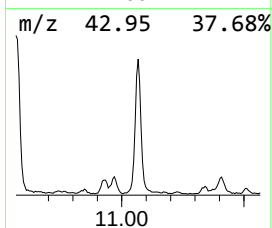
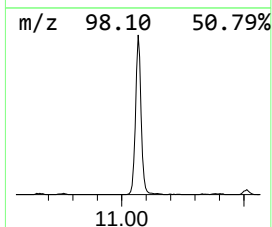
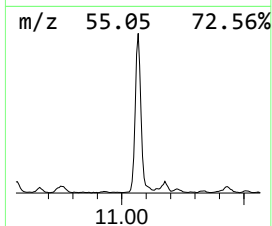
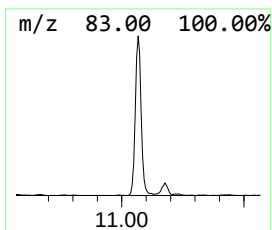
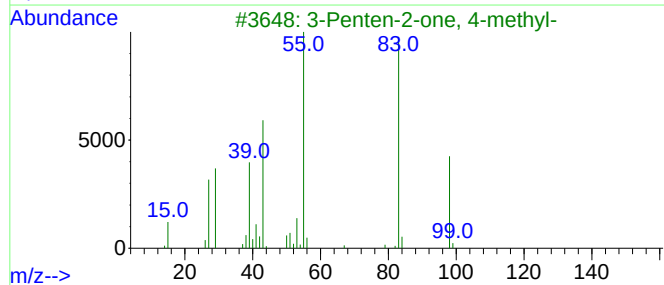
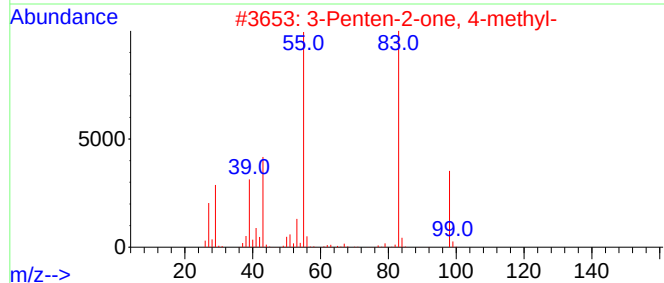
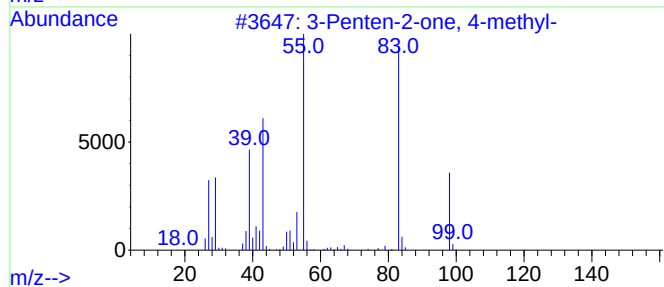
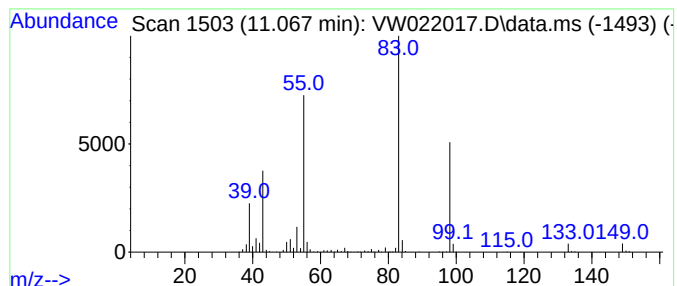
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Quant Title : SFAM01.0

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

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Peak Number 9 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 11.067 | 17.21 ug/L | 327813 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl- | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    |   | 3-Penten-2-one, 4-methyl- | 98 | C6H10O  | 000141-79-7 | 90   |
| 3    |    |   | 3-Penten-2-one, 4-methyl- | 98 | C6H10O  | 000141-79-7 | 90   |
| 4    |    |   | 3-Penten-2-one, 4-methyl- | 98 | C6H10O  | 000141-79-7 | 87   |
| 5    |    |   | 3-Hexen-2-one             | 98 | C6H10O  | 000763-93-9 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

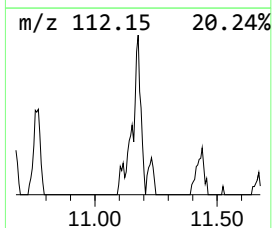
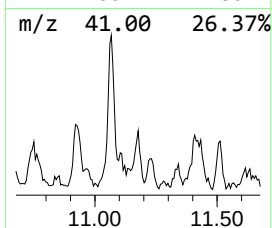
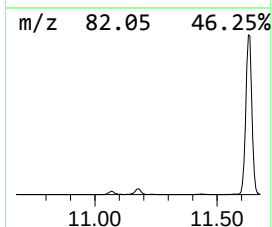
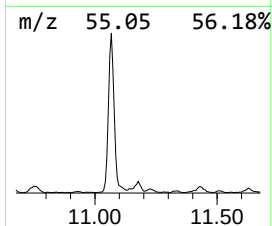
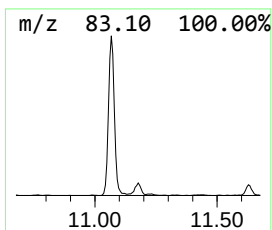
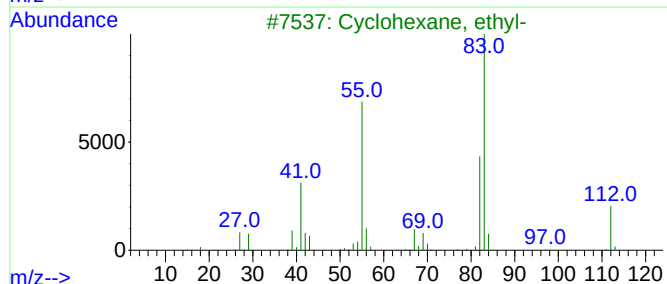
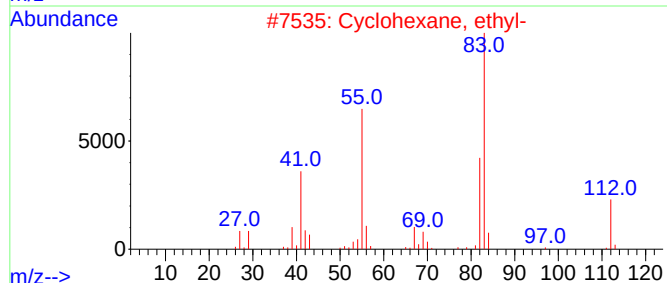
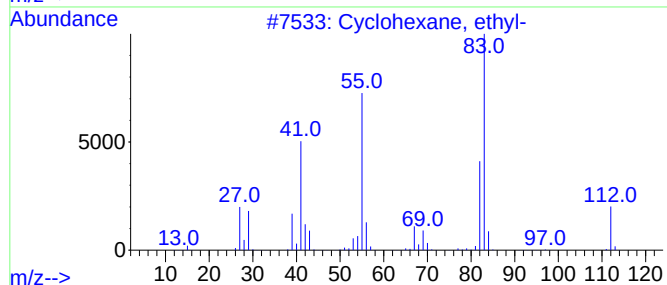
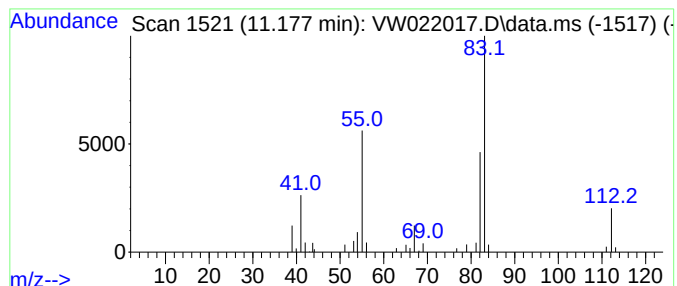
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Quant Title : SFAM01.0

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

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Peak Number 10 (DEL) Alkane: Cyclic11.177 Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.177 | 1.27 ug/L | 24282 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, ethyl- | 112 | C8H16   | 001678-91-7 | 83   |
| 2    |    |   | Cyclohexane, ethyl- | 112 | C8H16   | 001678-91-7 | 78   |
| 3    |    |   | Cyclohexane, ethyl- | 112 | C8H16   | 001678-91-7 | 78   |
| 4    |    |   | Cyclohexane, ethyl- | 112 | C8H16   | 001678-91-7 | 78   |
| 5    |    |   | Cyclohexane, ethyl- | 112 | C8H16   | 001678-91-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

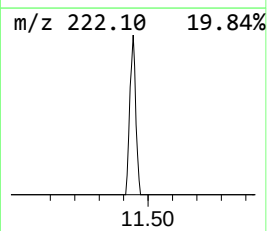
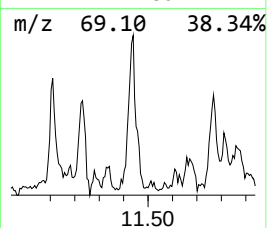
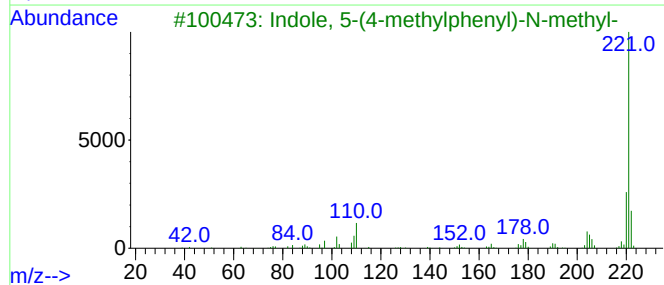
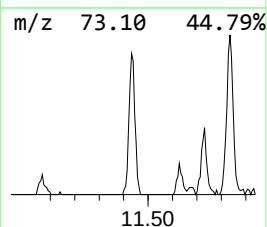
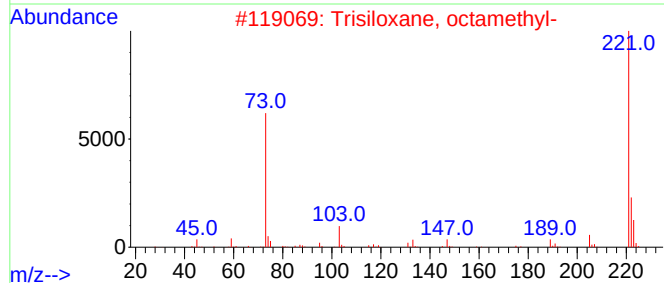
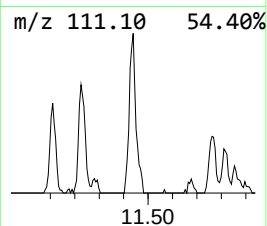
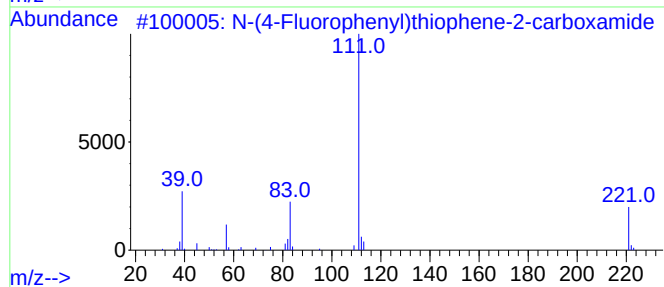
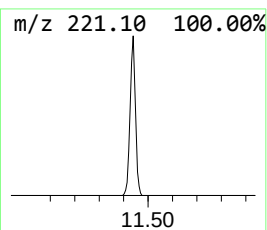
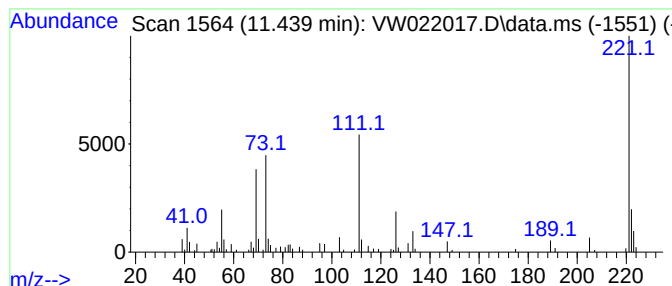
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Quant Title : SFAM01.0

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

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Peak Number 11 N-(4-Fluorophenyl)thiophene... Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.439 | 3.80 ug/L | 72451 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | N-(4-Fluorophenyl)thiophene-2-ca... | 221 | C11H8FNOS  | 136340-91-5  | 53   |
| 2    |    |   | Trisiloxane, octamethyl-            | 236 | C8H24O2Si3 | 000107-51-7  | 52   |
| 3    |    |   | Indole, 5-(4-methylphenyl)-N-met... | 221 | C16H15N    | 1000380-54-7 | 43   |
| 4    |    |   | Trisiloxane, octamethyl-            | 236 | C8H24O2Si3 | 000107-51-7  | 38   |
| 5    |    |   | Trisiloxane, octamethyl-            | 236 | C8H24O2Si3 | 000107-51-7  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0VE6

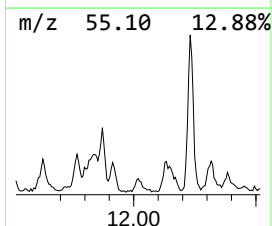
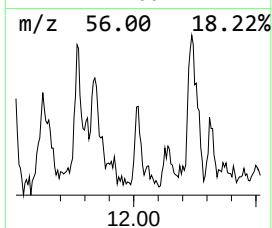
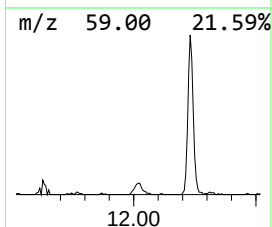
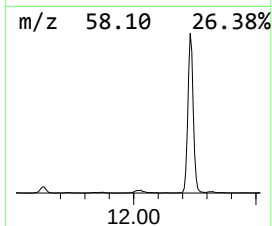
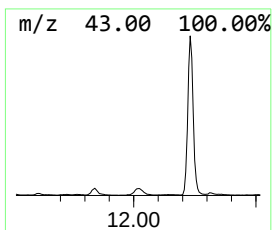
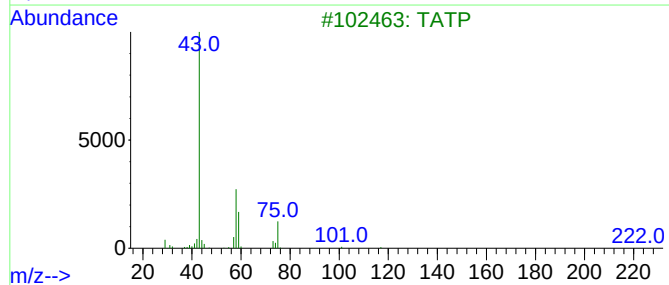
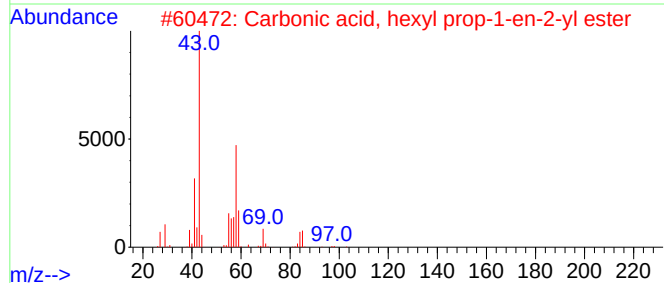
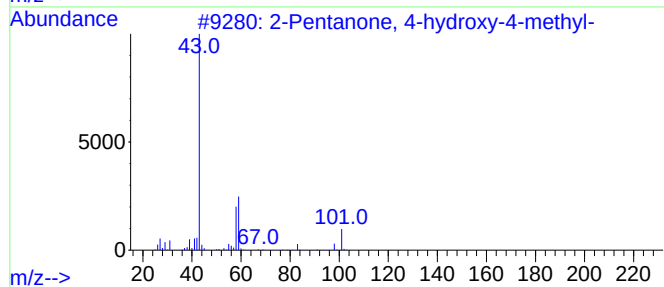
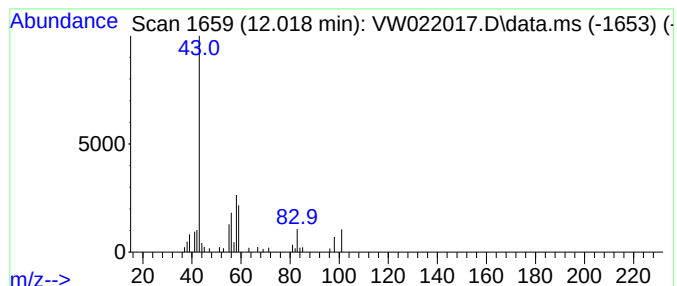
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Quant Title : SFAM01.0

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

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Peak Number 12 unknown-01 Concentration Rank 15

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.018 | 1.34 ug/L | 25580 | Chlorobenzene-d5 | 11.628 |

| Hit# | of                                        | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-          | 116 | C6H12O2      | 000123-42-2  | 28      |      |      |
| 2    | Carbonic acid, hexyl prop-1-en-2-yl ester | 186 | C10H18O3     | 1000382-54-2 | 28      |      |      |
| 3    | TATP                                      | 222 | C9H18O6      | 017088-37-8  | 28      |      |      |
| 4    | tert-Butyl Hydroperoxide                  | 90  | C4H10O2      | 000075-91-2  | 28      |      |      |
| 5    | 2-Heptanone, 4-methyl-                    | 128 | C8H16O       | 006137-06-0  | 17      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

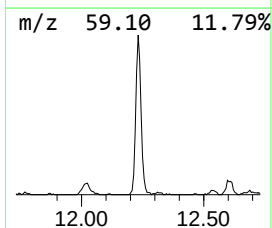
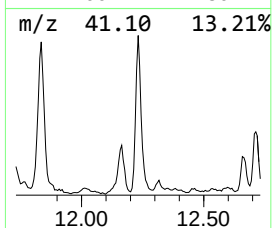
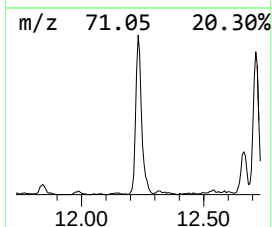
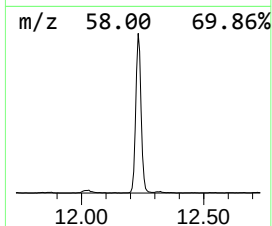
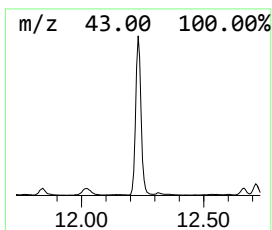
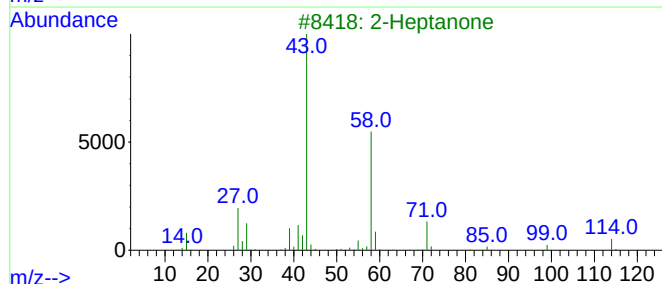
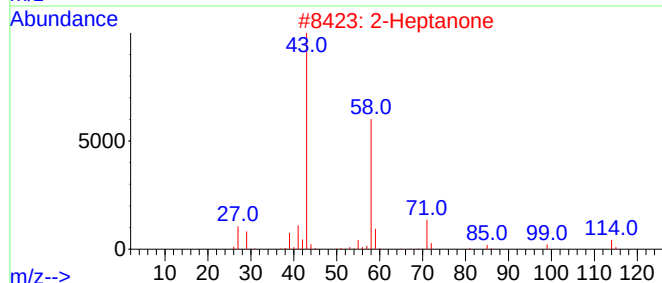
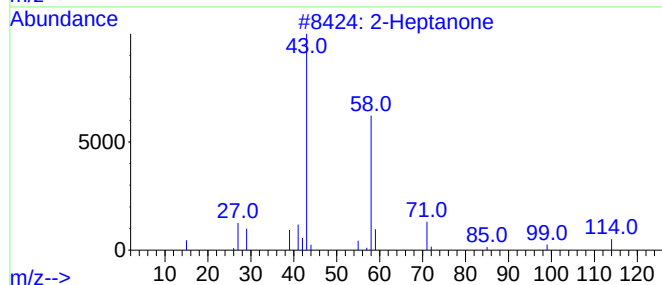
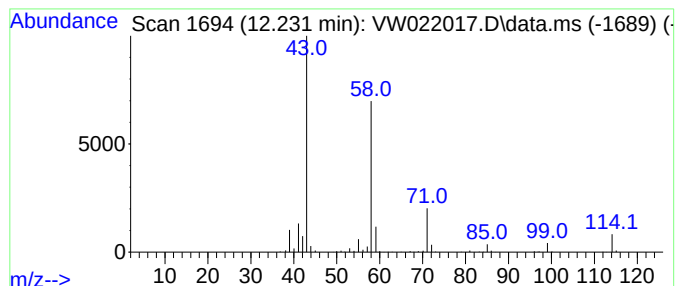
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Quant Title : SFAM01.0

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

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Peak Number 13 2-Heptanone Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 12.231 | 18.61 ug/L | 354378 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Heptanone           | 114 | C7H14O  | 000110-43-0 | 91   |
| 2    |    |   | 2-Heptanone           | 114 | C7H14O  | 000110-43-0 | 91   |
| 3    |    |   | 2-Heptanone           | 114 | C7H14O  | 000110-43-0 | 91   |
| 4    |    |   | 2-Heptanone           | 114 | C7H14O  | 000110-43-0 | 91   |
| 5    |    |   | 2-Hexanone, 5-methyl- | 114 | C7H14O  | 000110-12-3 | 83   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

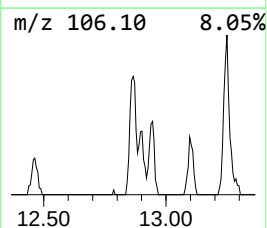
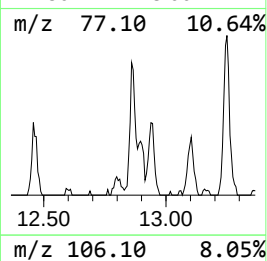
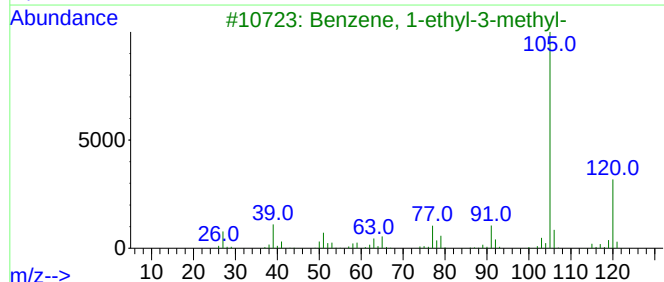
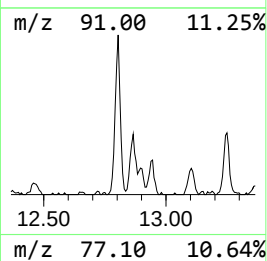
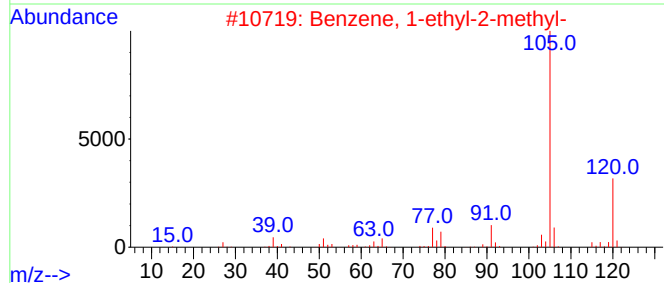
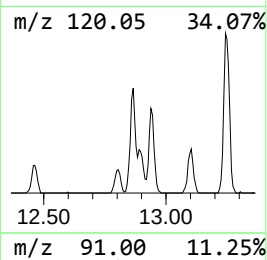
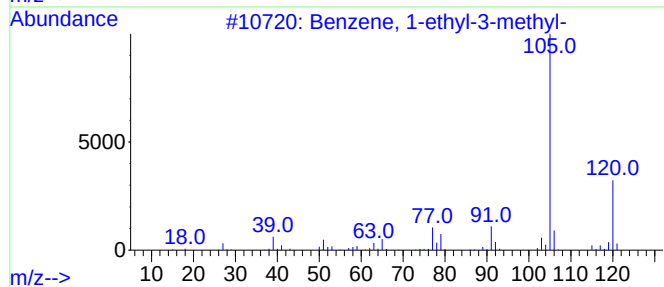
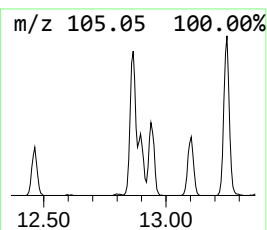
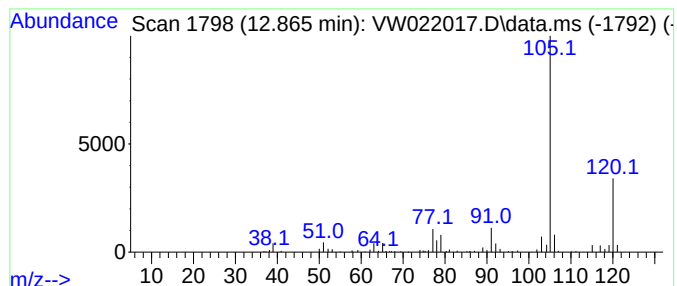
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Quant Title : SFAM01.0

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

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Peak Number 15 Benzene, 1-ethyl-3-methyl- Concentration Rank 12

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.865 | 3.36 ug/L | 69191 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 4    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
Data File : VW022017.D  
Acq On : 01 Feb 2022 21:32  
Operator : SY/VA  
Sample : N1353-05  
Misc : 4.73g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
COVE6

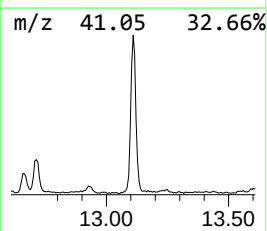
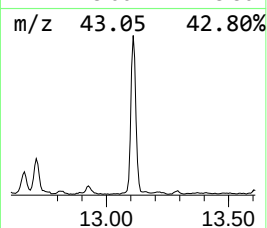
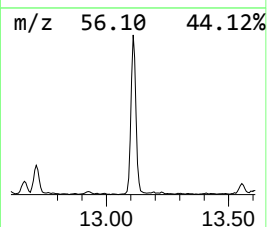
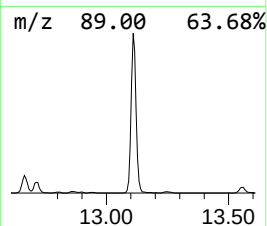
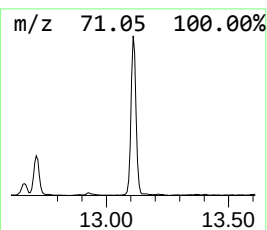
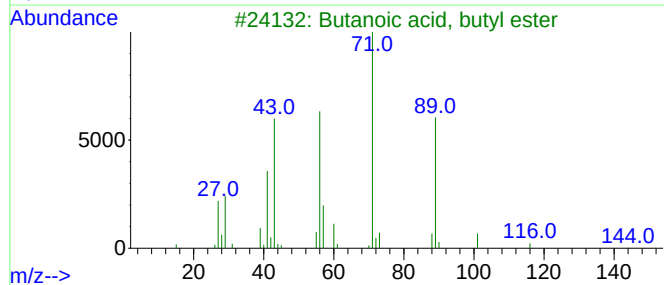
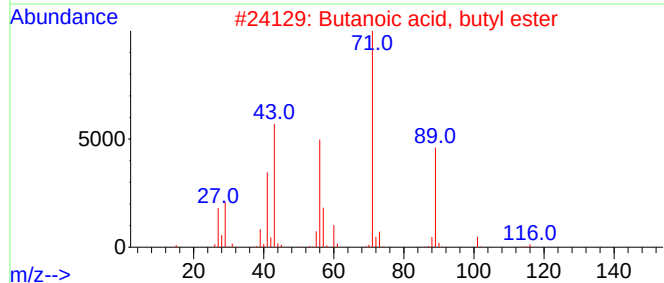
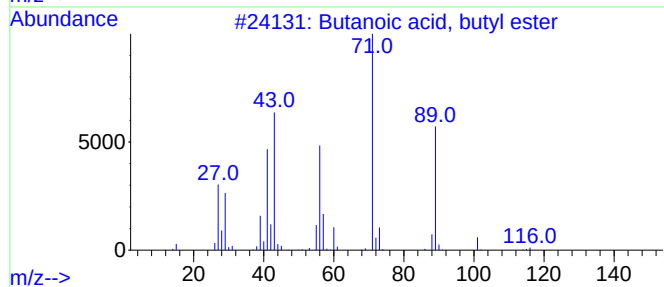
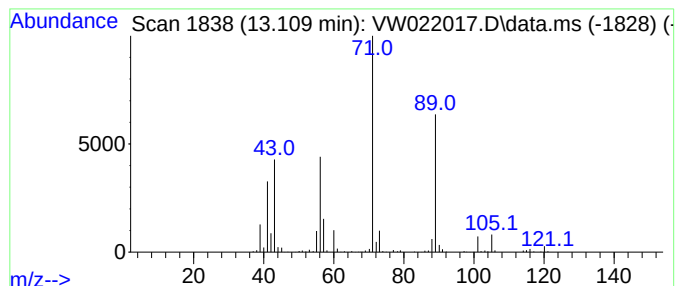
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 16 Butanoic acid, butyl ester Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.109 | 18.10 ug/L | 372500 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------|-----|----------|-------------|------|
| 1    |    |   | Butanoic acid, butyl ester  | 144 | C8H16O2  | 000109-21-7 | 90   |
| 2    |    |   | Butanoic acid, butyl ester  | 144 | C8H16O2  | 000109-21-7 | 86   |
| 3    |    |   | Butanoic acid, butyl ester  | 144 | C8H16O2  | 000109-21-7 | 83   |
| 4    |    |   | Butanoic acid, butyl ester  | 144 | C8H16O2  | 000109-21-7 | 72   |
| 5    |    |   | Butanoic acid, heptyl ester | 186 | C11H22O2 | 005870-93-9 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
 Data File : VW022017.D  
 Acq On : 01 Feb 2022 21:32  
 Operator : SY/VA  
 Sample : N1353-05  
 Misc : 4.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0VE6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.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 |
| Isopropyl Alcohol  | 4.428  | 14.7    | ug/L  | 226440   | 1                     | 8.842  | 384917 | 25.0 |
| 2-Propanol, 2-m... | 5.196  | 4.1     | ug/L  | 63463    | 1                     | 8.842  | 384917 | 25.0 |
| Butanal            | 6.897  | 1.3     | ug/L  | 20013    | 1                     | 8.842  | 384917 | 25.0 |
| 2-Butanol          | 7.513  | 3.6     | ug/L  | 54792    | 1                     | 8.842  | 384917 | 25.0 |
| 1-Butanol          | 9.055  | 509.6   | ug/L  | 7845680  | 1                     | 8.842  | 384917 | 25.0 |
| 2-Pentanol         | 9.598  | 3.4     | ug/L  | 52738    | 1                     | 8.842  | 384917 | 25.0 |
| (DEL) Alkane: S... | 10.506 | 1.8     | ug/L  | 33265    | 2                     | 11.628 | 476178 | 25.0 |
| 3-Penten-2-one,... | 11.067 | 17.2    | ug/L  | 327813   | 2                     | 11.628 | 476178 | 25.0 |
| (DEL) Alkane: C... | 11.177 | 1.3     | ug/L  | 24282    | 2                     | 11.628 | 476178 | 25.0 |
| N-(4-Fluorophen... | 11.439 | 3.8     | ug/L  | 72451    | 2                     | 11.628 | 476178 | 25.0 |
| unknown-01         | 12.018 | 1.3     | ug/L  | 25580    | 2                     | 11.628 | 476178 | 25.0 |
| 2-Heptanone        | 12.231 | 18.6    | ug/L  | 354378   | 2                     | 11.628 | 476178 | 25.0 |
| Benzene, 1-ethy... | 12.865 | 3.4     | ug/L  | 69191    | 3                     | 13.554 | 514378 | 25.0 |
| Butanoic acid, ... | 13.109 | 18.1    | ug/L  | 372500   | 3                     | 13.554 | 514378 | 25.0 |