

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
 Data File : VW022665.D  
 Acq On : 28 Apr 2022 15:02  
 Operator : SY/VA  
 Sample : N2562-15RE  
 Misc : 5.50g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476RE

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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

Signal : TIC: VW022665.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.965       | 6             | 10          | 19           | rVB      | 39349          | 66154         | 5.50%           | 0.606%        |
| 2         | 2.184       | 39            | 46          | 52           | rBV      | 51312          | 85070         | 7.08%           | 0.779%        |
| 3         | 2.355       | 68            | 74          | 84           | rVB      | 231357         | 383131        | 31.88%          | 3.510%        |
| 4         | 2.885       | 155           | 161         | 171          | rBV      | 59174          | 122113        | 10.16%          | 1.119%        |
| 5         | 3.026       | 177           | 184         | 196          | rBV      | 139255         | 325588        | 27.09%          | 2.983%        |
| 6         | 3.294       | 223           | 228         | 233          | rBV7     | 1902           | 4823          | 0.40%           | 0.044%        |
| 7         | 3.391       | 236           | 244         | 254          | rVV      | 93558          | 223375        | 18.59%          | 2.046%        |
| 8         | 3.629       | 282           | 283         | 290          | rVB7     | 1495           | 2208          | 0.18%           | 0.020%        |
| 9         | 3.843       | 315           | 318         | 320          | rBV3     | 1614           | 1757          | 0.15%           | 0.016%        |
| 10        | 3.861       | 320           | 321         | 326          | rVB5     | 1348           | 1872          | 0.16%           | 0.017%        |
| 11        | 4.019       | 334           | 347         | 360          | rBV2     | 97169          | 295298        | 24.57%          | 2.705%        |
| 12        | 4.263       | 384           | 387         | 392          | rVB6     | 1217           | 2114          | 0.18%           | 0.019%        |
| 13        | 4.385       | 397           | 407         | 417          | rBV2     | 12998          | 38012         | 3.16%           | 0.348%        |
| 14        | 4.964       | 480           | 502         | 519          | rBV6     | 47376          | 295559        | 24.59%          | 2.708%        |
| 15        | 5.440       | 568           | 580         | 591          | rBV3     | 29120          | 101574        | 8.45%           | 0.930%        |
| 16        | 5.568       | 600           | 601         | 605          | rVB4     | 1847           | 1669          | 0.14%           | 0.015%        |
| 17        | 5.781       | 630           | 636         | 638          | rBV5     | 2467           | 5098          | 0.42%           | 0.047%        |
| 18        | 5.946       | 652           | 663         | 679          | rVB2     | 73553          | 227324        | 18.92%          | 2.082%        |
| 19        | 6.409       | 735           | 739         | 743          | rBV6     | 1007           | 1684          | 0.14%           | 0.015%        |
| 20        | 6.494       | 747           | 753         | 754          | rBV4     | 1345           | 2015          | 0.17%           | 0.018%        |
| 21        | 6.537       | 757           | 760         | 763          | rVB5     | 1363           | 1969          | 0.16%           | 0.018%        |
| 22        | 6.568       | 763           | 765         | 772          | rVB7     | 1082           | 1979          | 0.16%           | 0.018%        |
| 23        | 6.708       | 779           | 788         | 791          | rBV8     | 1324           | 3370          | 0.28%           | 0.031%        |
| 24        | 6.872       | 808           | 815         | 817          | rBV5     | 2914           | 6609          | 0.55%           | 0.061%        |
| 25        | 6.982       | 823           | 833         | 842          | rBV2     | 47219          | 143510        | 11.94%          | 1.315%        |
| 26        | 7.080       | 842           | 849         | 866          | rVB      | 49914          | 141941        | 11.81%          | 1.300%        |
| 27        | 7.439       | 904           | 908         | 912          | rVB4     | 1488           | 2357          | 0.20%           | 0.022%        |
| 28        | 7.653       | 933           | 943         | 953          | rVV      | 196983         | 491012        | 40.86%          | 4.498%        |
| 29        | 7.945       | 979           | 991         | 1000         | rVV5     | 46760          | 187526        | 15.60%          | 1.718%        |
| 30        | 8.031       | 1000          | 1005        | 1016         | rVV4     | 15888          | 41449         | 3.45%           | 0.380%        |
| 31        | 8.153       | 1018          | 1025        | 1032         | rVV2     | 38883          | 92790         | 7.72%           | 0.850%        |
| 32        | 8.275       | 1034          | 1045        | 1061         | rVV3     | 321163         | 1201809       | 100.00%         | 11.009%       |
| 33        | 8.427       | 1065          | 1070        | 1078         | rVV3     | 21212          | 59955         | 4.99%           | 0.549%        |
| 34        | 8.506       | 1078          | 1083        | 1088         | rVV5     | 16401          | 37826         | 3.15%           | 0.347%        |
| 35        | 8.573       | 1088          | 1094        | 1103         | rVV2     | 28936          | 71875         | 5.98%           | 0.658%        |
| 36        | 8.695       | 1105          | 1114        | 1122         | rVV2     | 85357          | 163419        | 13.60%          | 1.497%        |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476RE

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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.842  | 1129 | 1138 | 1151 | rVV  | 353933 | 713272 | 59.35% | 6.534% |
| 38 | 9.073  | 1171 | 1176 | 1181 | rBV6 | 5093   | 9885   | 0.82%  | 0.091% |
| 39 | 9.274  | 1200 | 1209 | 1215 | rBV  | 253141 | 536573 | 44.65% | 4.915% |
| 40 | 9.335  | 1215 | 1219 | 1226 | rVB3 | 86523  | 166934 | 13.89% | 1.529% |
| 41 | 9.512  | 1242 | 1248 | 1256 | rBV  | 17784  | 36699  | 3.05%  | 0.336% |
| 42 | 9.604  | 1256 | 1263 | 1269 | rVV3 | 14947  | 31831  | 2.65%  | 0.292% |
| 43 | 9.750  | 1279 | 1287 | 1296 | rVB3 | 15756  | 33788  | 2.81%  | 0.310% |
| 44 | 9.902  | 1306 | 1312 | 1315 | rVV2 | 9734   | 20150  | 1.68%  | 0.185% |
| 45 | 9.957  | 1315 | 1321 | 1326 | rVV4 | 37022  | 79311  | 6.60%  | 0.727% |
| 46 | 10.037 | 1328 | 1334 | 1339 | rVV  | 98395  | 180147 | 14.99% | 1.650% |
| 47 | 10.091 | 1339 | 1343 | 1357 | rVB4 | 24682  | 64274  | 5.35%  | 0.589% |
| 48 | 10.207 | 1360 | 1362 | 1365 | rBV3 | 1624   | 2136   | 0.18%  | 0.020% |
| 49 | 10.323 | 1372 | 1381 | 1386 | rBV  | 385595 | 710351 | 59.11% | 6.507% |
| 50 | 10.384 | 1386 | 1391 | 1398 | rVV  | 219178 | 397645 | 33.09% | 3.643% |
| 51 | 10.445 | 1398 | 1401 | 1404 | rVV4 | 7103   | 10660  | 0.89%  | 0.098% |
| 52 | 10.506 | 1404 | 1411 | 1417 | rVB  | 71339  | 131152 | 10.91% | 1.201% |
| 53 | 10.573 | 1417 | 1422 | 1428 | rBV  | 53226  | 97061  | 8.08%  | 0.889% |
| 54 | 10.664 | 1433 | 1437 | 1441 | rBV4 | 12072  | 18360  | 1.53%  | 0.168% |
| 55 | 10.762 | 1448 | 1453 | 1457 | rBV6 | 7153   | 12166  | 1.01%  | 0.111% |
| 56 | 10.921 | 1473 | 1479 | 1489 | rBV  | 176759 | 317329 | 26.40% | 2.907% |
| 57 | 11.036 | 1495 | 1498 | 1500 | rBV3 | 4497   | 5078   | 0.42%  | 0.047% |
| 58 | 11.103 | 1507 | 1509 | 1513 | rVB5 | 6927   | 7798   | 0.65%  | 0.071% |
| 59 | 11.177 | 1516 | 1521 | 1525 | rVV2 | 16544  | 29508  | 2.46%  | 0.270% |
| 60 | 11.225 | 1525 | 1529 | 1536 | rVV2 | 17037  | 30947  | 2.58%  | 0.283% |
| 61 | 11.280 | 1536 | 1538 | 1541 | rVV4 | 2834   | 2735   | 0.23%  | 0.025% |
| 62 | 11.329 | 1542 | 1546 | 1551 | rVB6 | 10320  | 17799  | 1.48%  | 0.163% |
| 63 | 11.414 | 1551 | 1560 | 1570 | rVB6 | 14412  | 45307  | 3.77%  | 0.415% |
| 64 | 11.506 | 1570 | 1575 | 1580 | rBV2 | 12431  | 21941  | 1.83%  | 0.201% |
| 65 | 11.628 | 1588 | 1595 | 1605 | rBV  | 367243 | 625637 | 52.06% | 5.731% |
| 66 | 11.731 | 1605 | 1612 | 1619 | rBV  | 50373  | 89027  | 7.41%  | 0.816% |
| 67 | 11.835 | 1619 | 1629 | 1638 | rBV3 | 61991  | 137757 | 11.46% | 1.262% |
| 68 | 11.975 | 1648 | 1652 | 1658 | rVB8 | 4166   | 6785   | 0.56%  | 0.062% |
| 69 | 12.030 | 1658 | 1661 | 1663 | rBV3 | 2800   | 2968   | 0.25%  | 0.027% |
| 70 | 12.164 | 1673 | 1683 | 1690 | rBV2 | 23776  | 57025  | 4.74%  | 0.522% |
| 71 | 12.359 | 1707 | 1715 | 1722 | rVB5 | 18937  | 42207  | 3.51%  | 0.387% |
| 72 | 12.463 | 1728 | 1732 | 1737 | rVB4 | 7006   | 12630  | 1.05%  | 0.116% |
| 73 | 12.603 | 1750 | 1755 | 1761 | rVB2 | 14391  | 29112  | 2.42%  | 0.267% |
| 74 | 12.688 | 1761 | 1769 | 1776 | rBV  | 236157 | 389439 | 32.40% | 3.568% |
| 75 | 12.792 | 1780 | 1786 | 1792 | rVB6 | 9959   | 27366  | 2.28%  | 0.251% |
| 76 | 12.859 | 1792 | 1797 | 1801 | rBV6 | 9791   | 19153  | 1.59%  | 0.175% |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476RE

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\SFAMWLM040722SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.932 | 1805 | 1809 | 1818 | rVB6 | 16852  | 39533  | 3.29%  | 0.362% |
| 78  | 13.103 | 1829 | 1837 | 1843 | rBV5 | 6871   | 15046  | 1.25%  | 0.138% |
| 79  | 13.164 | 1843 | 1847 | 1848 | rBV4 | 5347   | 6521   | 0.54%  | 0.060% |
| 80  | 13.249 | 1856 | 1861 | 1866 | rBV  | 17785  | 30133  | 2.51%  | 0.276% |
| 81  | 13.292 | 1866 | 1868 | 1872 | rVB4 | 4757   | 6280   | 0.52%  | 0.058% |
| 82  | 13.408 | 1880 | 1887 | 1891 | rBV5 | 8540   | 18008  | 1.50%  | 0.165% |
| 83  | 13.554 | 1905 | 1911 | 1930 | rVB  | 205176 | 376137 | 31.30% | 3.446% |
| 84  | 13.755 | 1940 | 1944 | 1950 | rBV8 | 5455   | 12372  | 1.03%  | 0.113% |
| 85  | 13.853 | 1953 | 1960 | 1971 | rVB  | 195696 | 340427 | 28.33% | 3.119% |
| 86  | 14.048 | 1989 | 1992 | 1993 | rBV3 | 3573   | 3731   | 0.31%  | 0.034% |
| 87  | 14.066 | 1993 | 1995 | 2002 | rVB3 | 7135   | 11039  | 0.92%  | 0.101% |
| 88  | 14.200 | 2012 | 2017 | 2022 | rBV9 | 3789   | 6820   | 0.57%  | 0.062% |
| 89  | 14.322 | 2034 | 2037 | 2043 | rBV7 | 4990   | 8357   | 0.70%  | 0.077% |
| 90  | 14.414 | 2049 | 2052 | 2058 | rBV7 | 3128   | 5261   | 0.44%  | 0.048% |
| 91  | 14.487 | 2062 | 2064 | 2067 | rBV3 | 1828   | 2871   | 0.24%  | 0.026% |
| 92  | 14.719 | 2098 | 2102 | 2105 | rVB6 | 2737   | 4116   | 0.34%  | 0.038% |
| 93  | 14.792 | 2109 | 2114 | 2115 | rBV5 | 3541   | 5030   | 0.42%  | 0.046% |
| 94  | 15.060 | 2156 | 2158 | 2165 | rVB8 | 2380   | 3366   | 0.28%  | 0.031% |
| 95  | 15.353 | 2204 | 2206 | 2209 | rBV4 | 1868   | 2563   | 0.21%  | 0.023% |
| 96  | 15.548 | 2236 | 2238 | 2245 | rVB8 | 2573   | 4527   | 0.38%  | 0.041% |
| 97  | 15.718 | 2264 | 2266 | 2269 | rBV4 | 1300   | 1720   | 0.14%  | 0.016% |
| 98  | 15.798 | 2274 | 2279 | 2281 | rBV5 | 2465   | 3333   | 0.28%  | 0.031% |
| 99  | 16.462 | 2385 | 2388 | 2389 | rBV3 | 1379   | 1653   | 0.14%  | 0.015% |
| 100 | 16.480 | 2389 | 2391 | 2393 | rVV3 | 1473   | 1621   | 0.13%  | 0.015% |

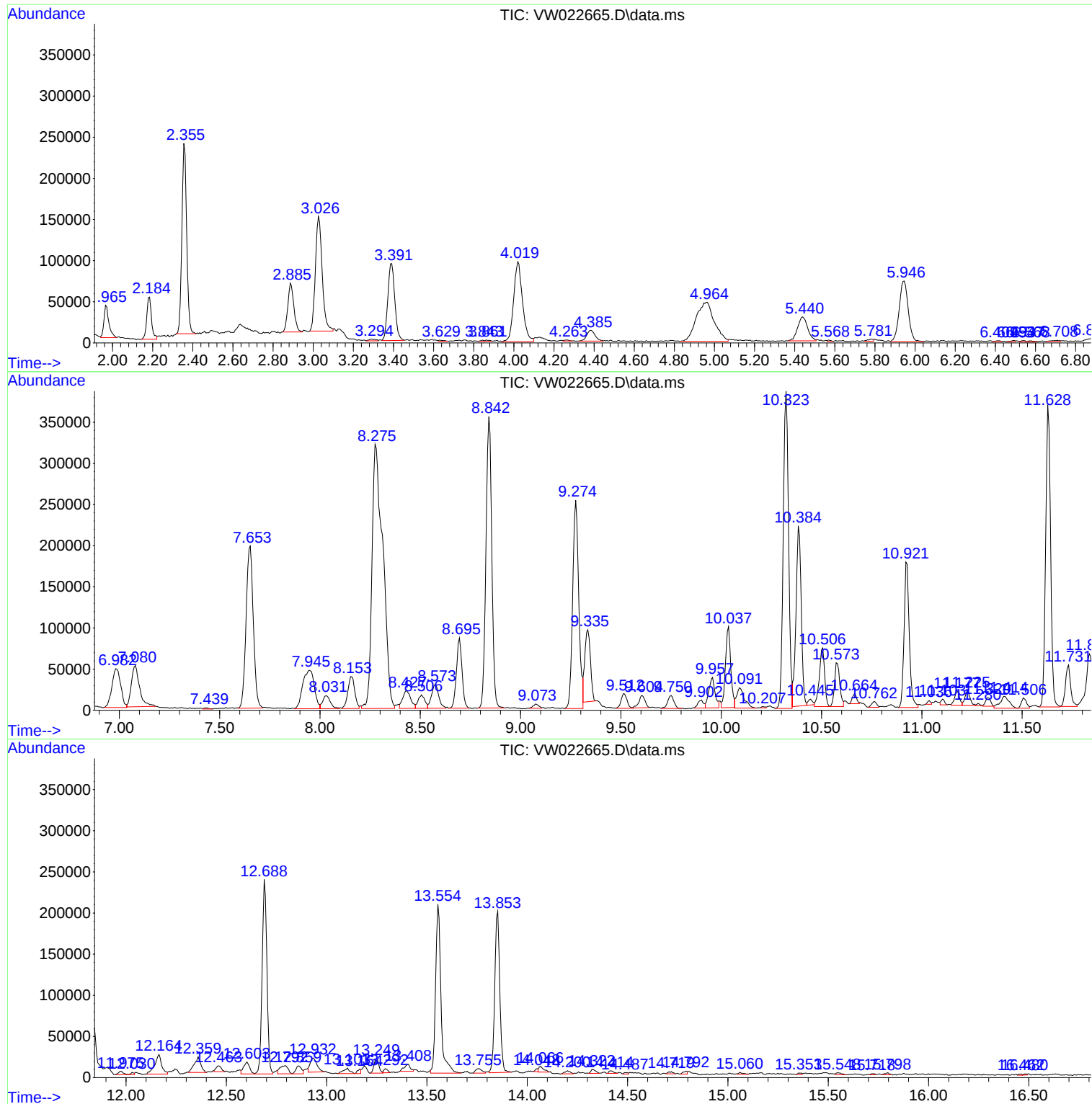
Sum of corrected areas: 10916242

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

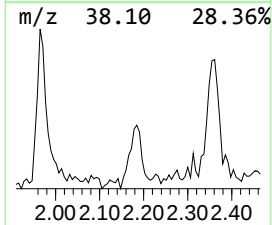
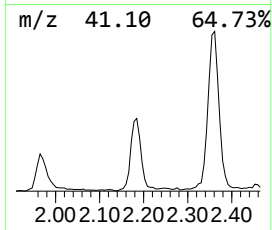
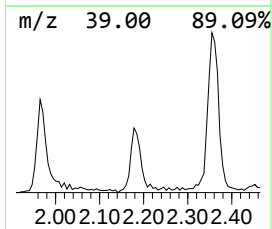
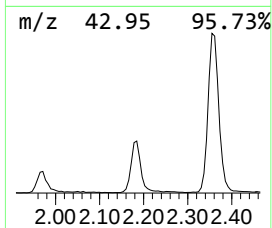
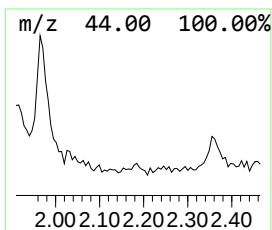
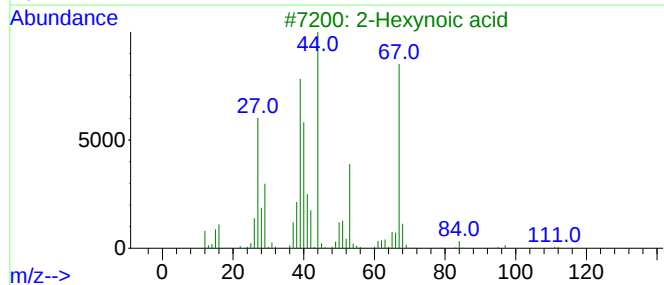
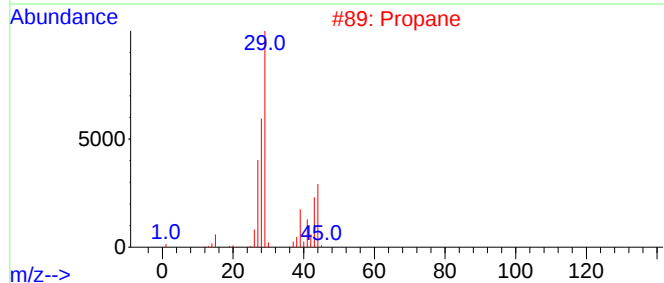
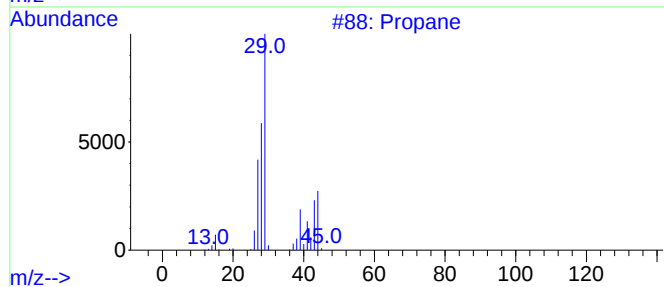
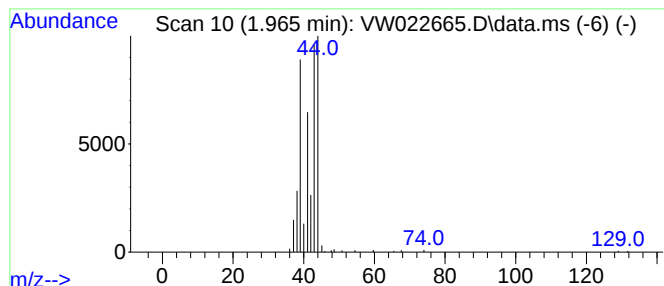
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.965 | 2.32 ug/L | 66154 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Propane                             | 44  | C3H8     | 000074-98-6 | 72   |
| 2    |    |   | Propane                             | 44  | C3H8     | 000074-98-6 | 56   |
| 3    |    |   | 2-Hexynoic acid                     | 112 | C6H8O2   | 000764-33-0 | 43   |
| 4    |    |   | Cyclopropanecarboxamide             | 85  | C4H7NO   | 006228-73-5 | 43   |
| 5    |    |   | Acetoacetic acid, 1-thio-, S-all... | 158 | C7H10O2S | 015780-65-1 | 39   |



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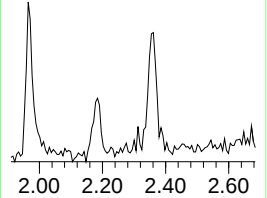
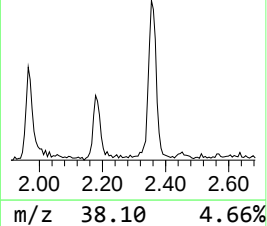
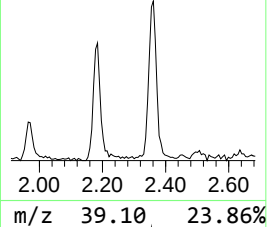
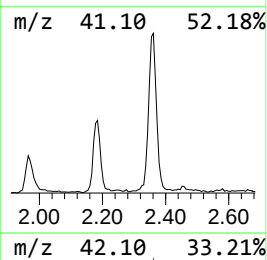
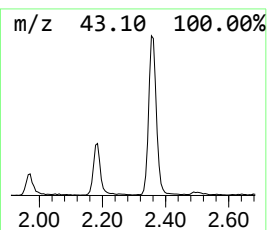
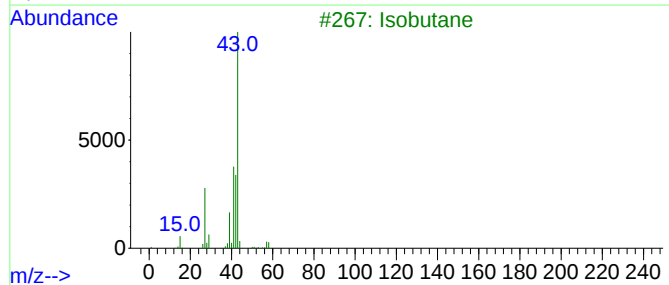
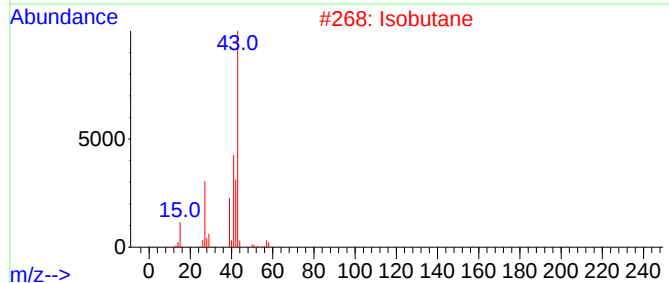
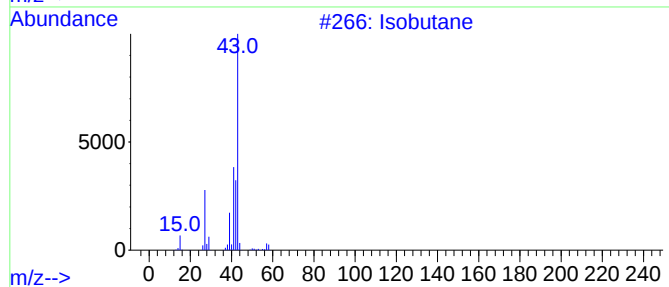
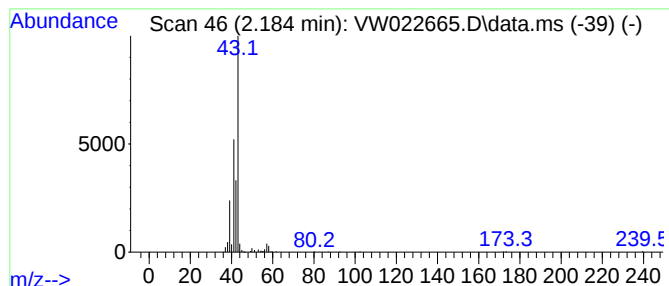
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.184 | 2.98 ug/L | 85070 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 72   |
| 2    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 3    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 4    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 53   |
| 5    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 36   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

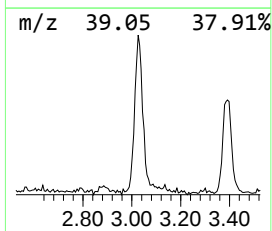
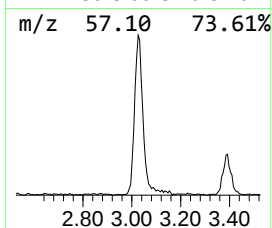
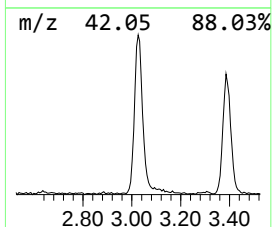
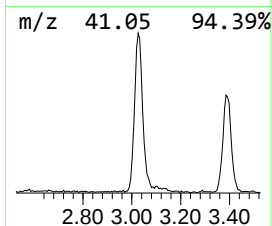
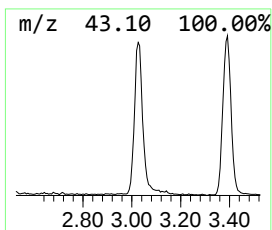
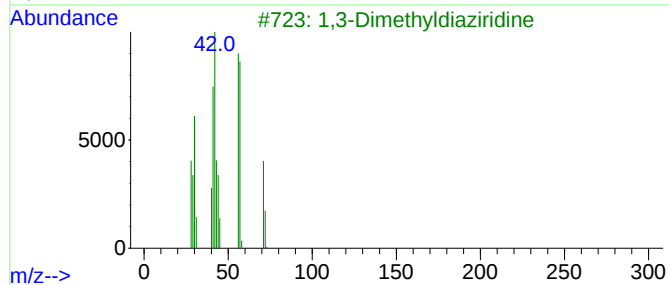
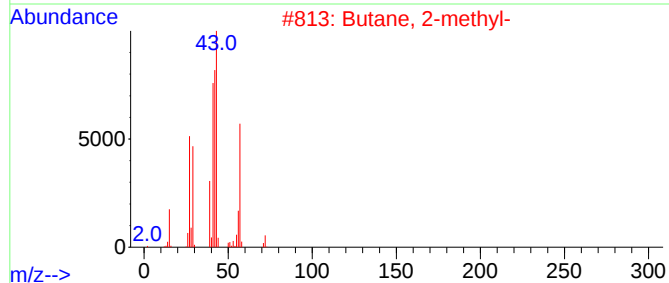
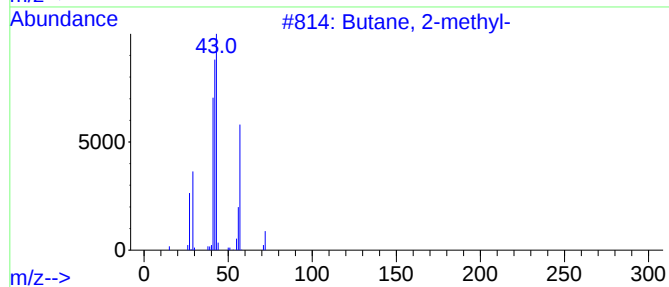
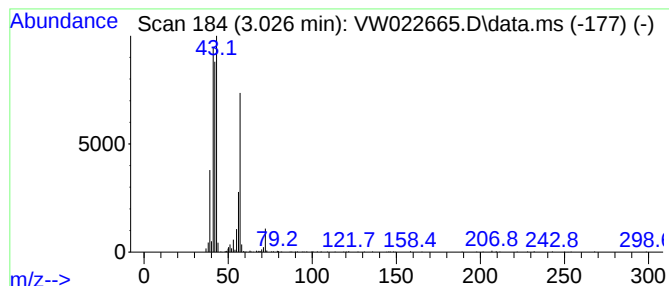
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 3.026 | 11.41 ug/L | 325588 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------|----|---------|-------------|------|
| 1    |      | Butane, 2-methyl-       | 72 | C5H12   | 000078-78-4 | 90   |
| 2    |      | Butane, 2-methyl-       | 72 | C5H12   | 000078-78-4 | 80   |
| 3    |      | 1,3-Dimethyldiaziridine | 72 | C3H8N2  | 026177-36-6 | 36   |
| 4    |      | 1-Propanol, 2-methyl-   | 74 | C4H10O  | 000078-83-1 | 36   |
| 5    |      | Pentane                 | 72 | C5H12   | 000109-66-0 | 33   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

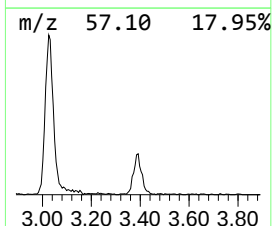
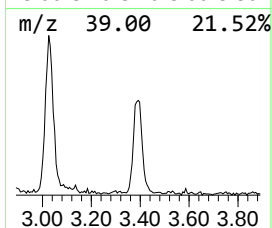
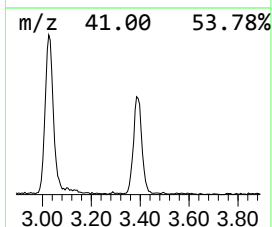
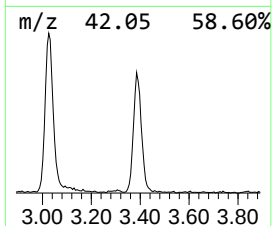
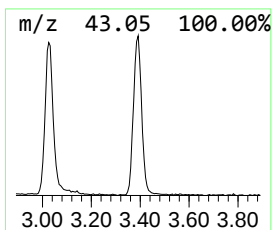
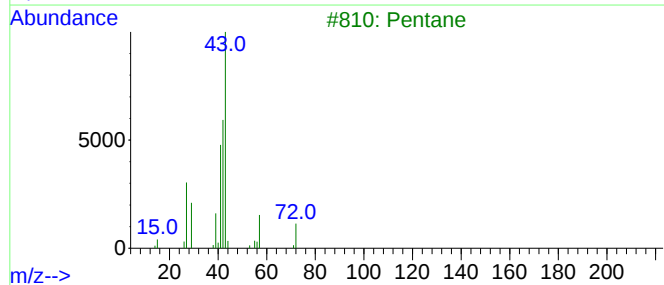
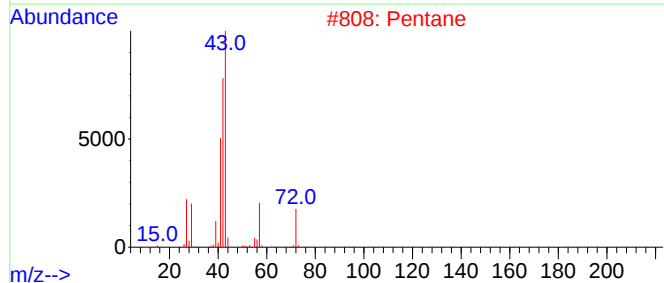
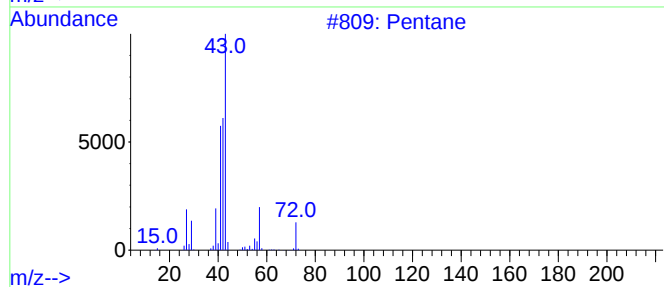
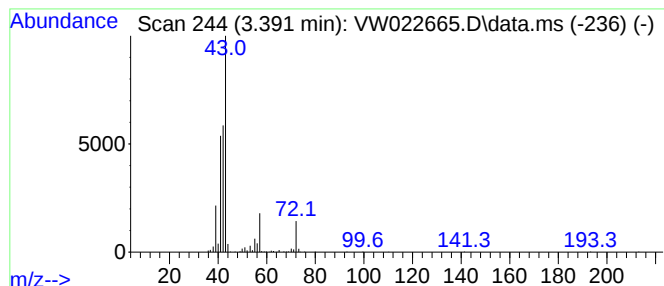
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 3.391 | 7.83 ug/L | 223375 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of      | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|---------|---|--------------|----|---------|-------------|------|
| 1    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 91   |
| 2    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |
| 3    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |
| 4    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |
| 5    | Pentane |   |              | 72 | C5H12   | 000109-66-0 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

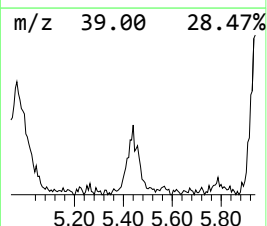
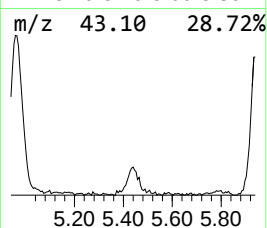
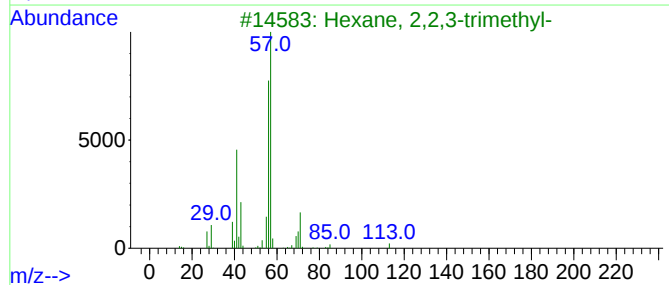
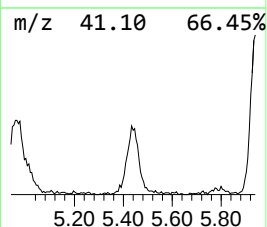
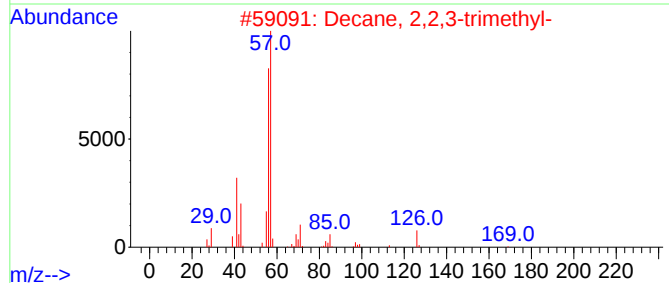
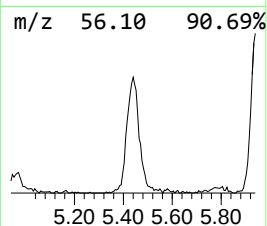
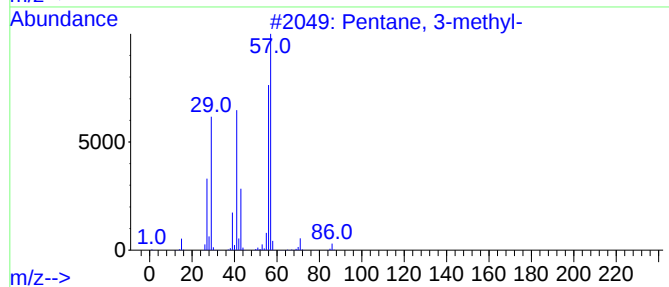
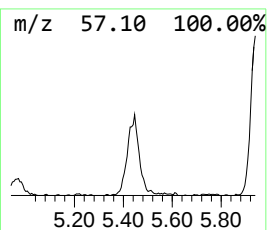
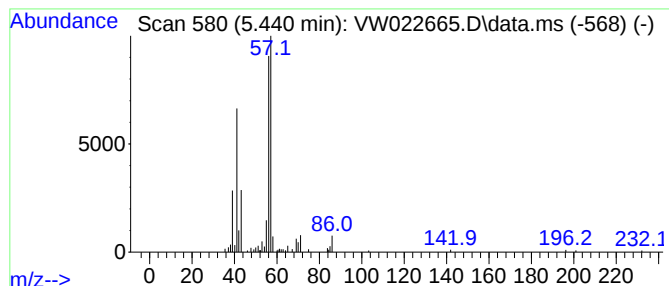
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 5.440 | 3.56 ug/L | 101574 | 1,4-Difluorobenzene | 8.848 |

| Hit# of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|-----------|--------------------------------|-----|---------|-------------|------|
| 1         | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 72   |
| 2         | Decane, 2,2,3-trimethyl-       | 184 | C13H28  | 062338-09-4 | 72   |
| 3         | Hexane, 2,2,3-trimethyl-       | 128 | C9H20   | 016747-25-4 | 72   |
| 4         | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 72   |
| 5         | Pentane, 2,2,3-trimethyl-      | 114 | C8H18   | 000564-02-3 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

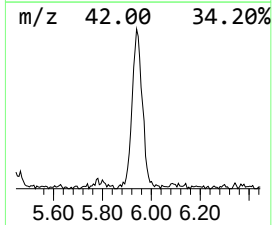
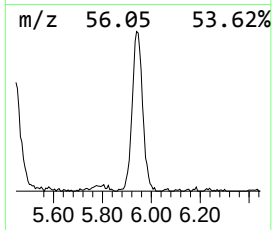
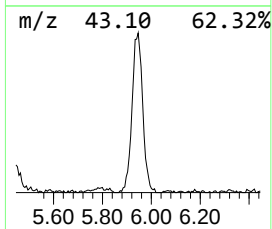
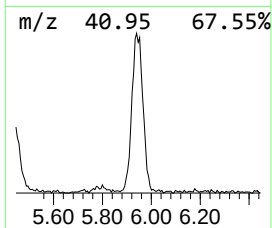
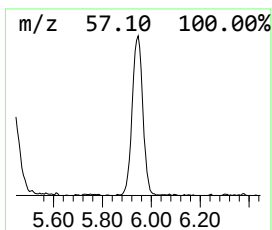
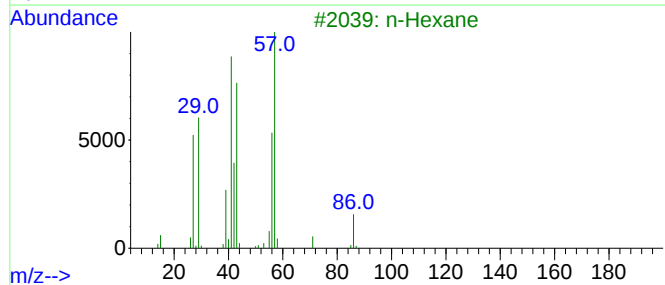
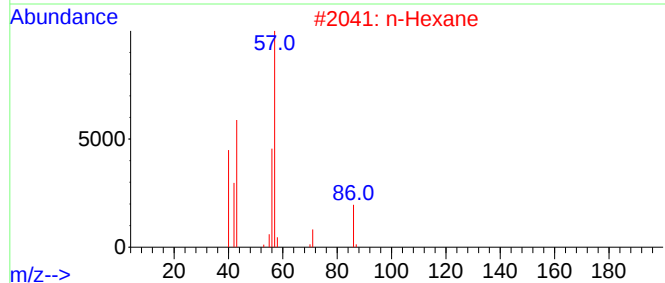
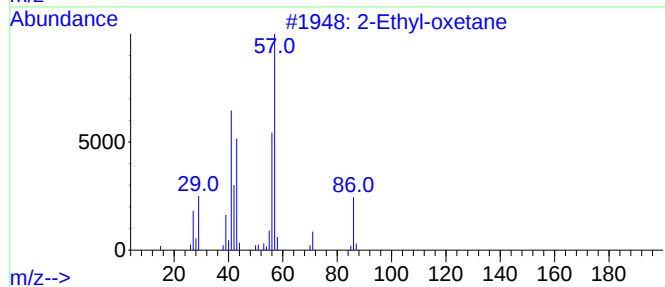
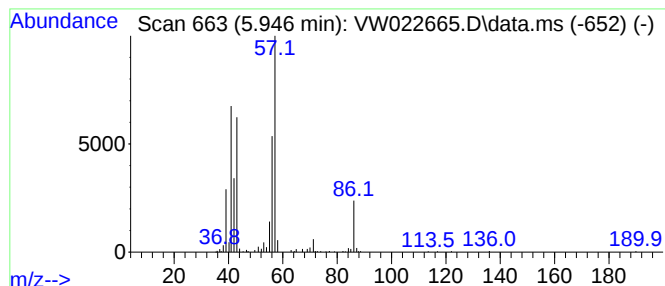
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 6 2-Ethyl-oxetane Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 5.946 | 7.97 ug/L | 227324 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#         | Qual |
|------|----|---|-----------------|----|---------|--------------|------|
| 1    |    |   | 2-Ethyl-oxetane | 86 | C5H10O  | 1010386-40-2 | 87   |
| 2    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 86   |
| 3    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 72   |
| 4    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 64   |
| 5    |    |   | n-Hexane        | 86 | C6H14   | 000110-54-3  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

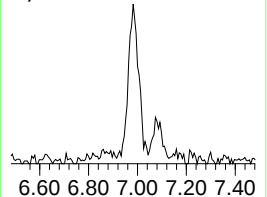
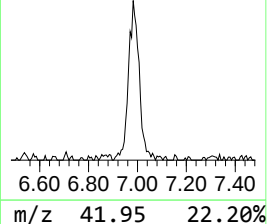
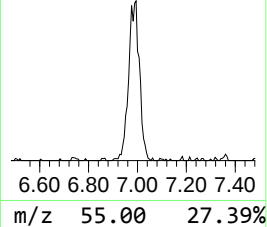
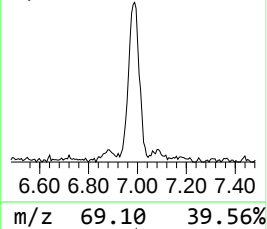
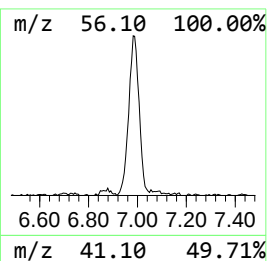
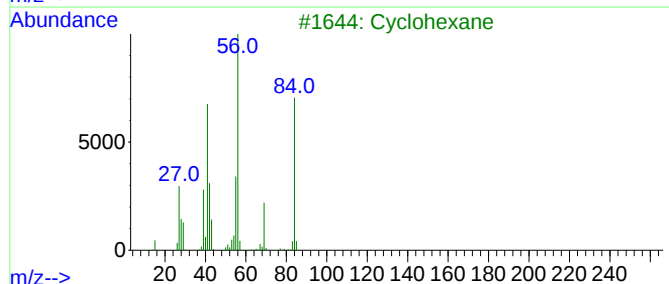
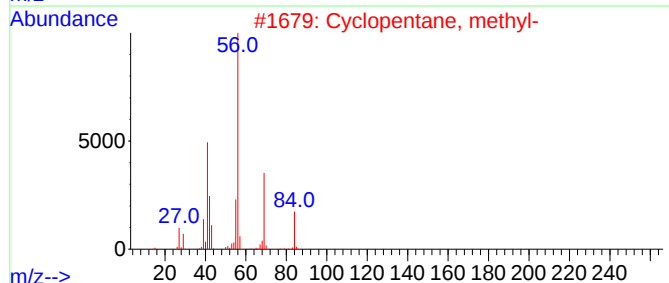
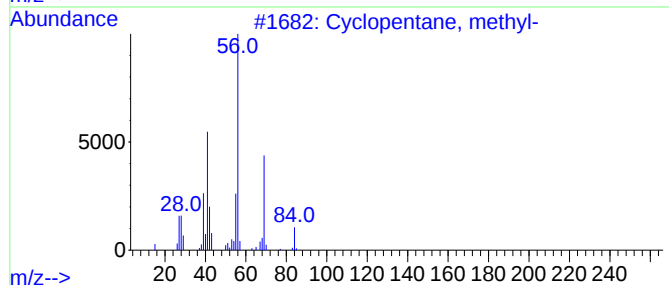
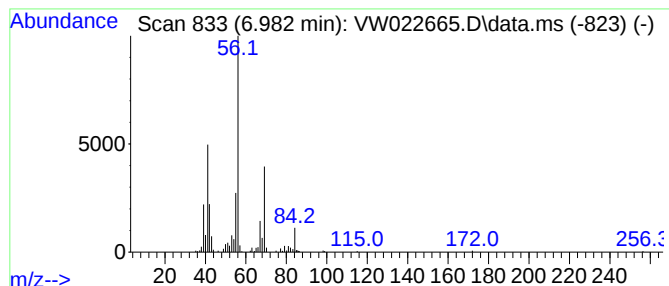
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Cyclic6.982 Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 6.982 | 5.03 ug/L | 143510 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 87   |
| 2    |    |   | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 72   |
| 3    |    |   | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 72   |
| 4    |    |   | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 72   |
| 5    |    |   | 1-Pentene, 2-methyl-  | 84 | C6H12   | 000763-29-1 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

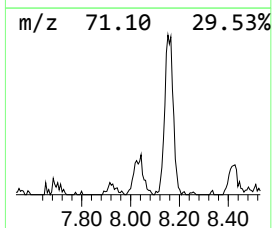
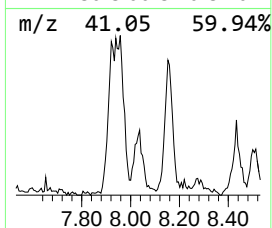
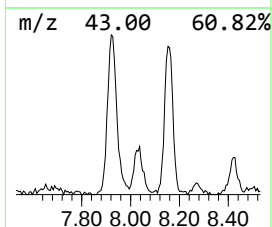
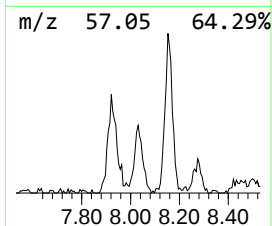
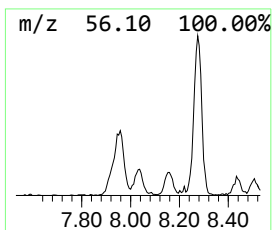
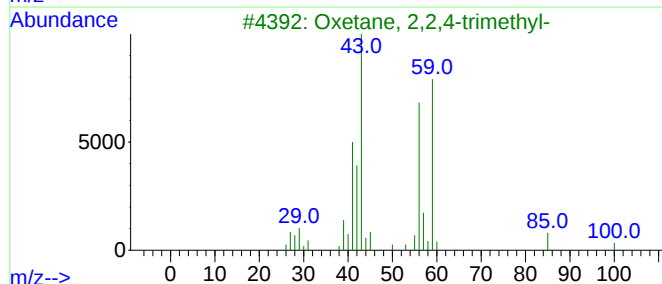
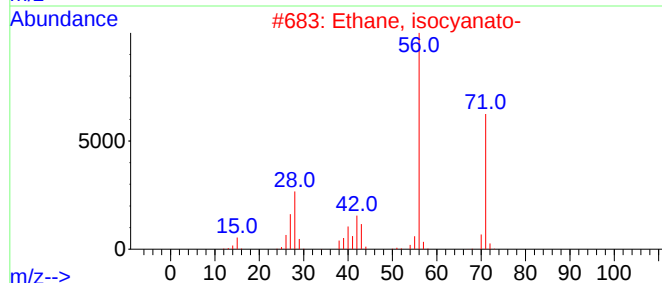
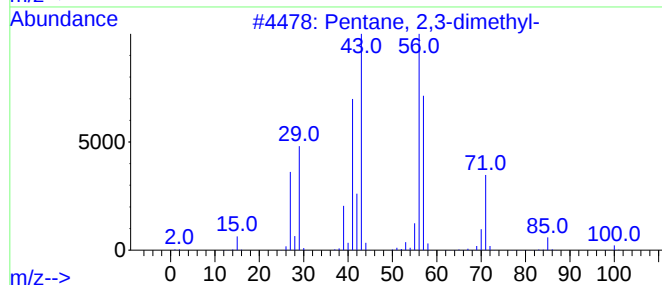
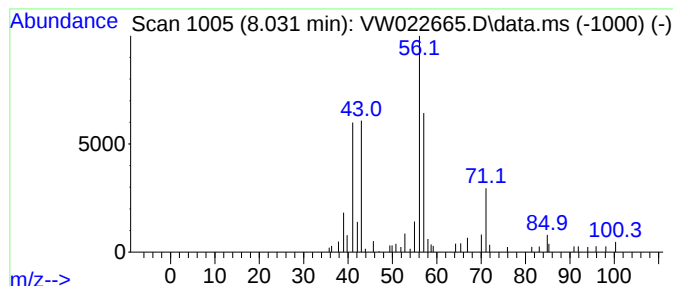
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.031 | 1.45 ug/L | 41449 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,3-dimethyl-    | 100 | C7H16   | 000565-59-3 | 59   |
| 2    |    |   | Ethane, isocyanato-       | 71  | C3H5NO  | 000109-90-0 | 53   |
| 3    |    |   | Oxetane, 2,2,4-trimethyl- | 100 | C6H12O  | 023120-44-7 | 50   |
| 4    |    |   | Cyanic acid, propyl ester | 85  | C4H7NO  | 001768-36-1 | 50   |
| 5    |    |   | Pentane, 2,3-dimethyl-    | 100 | C7H16   | 000565-59-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

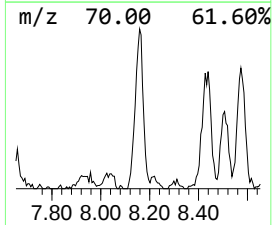
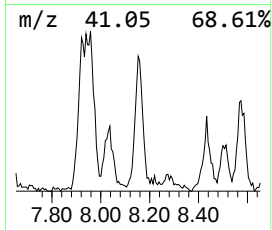
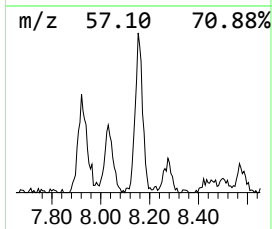
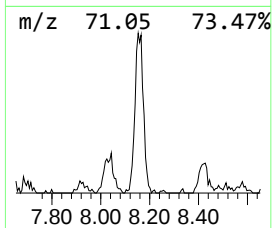
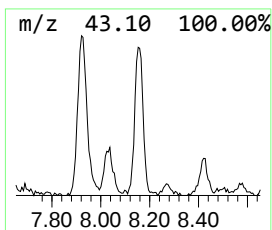
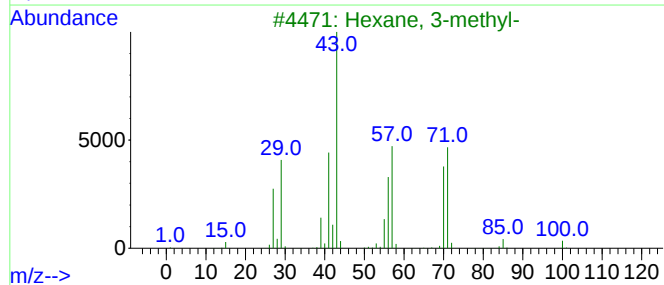
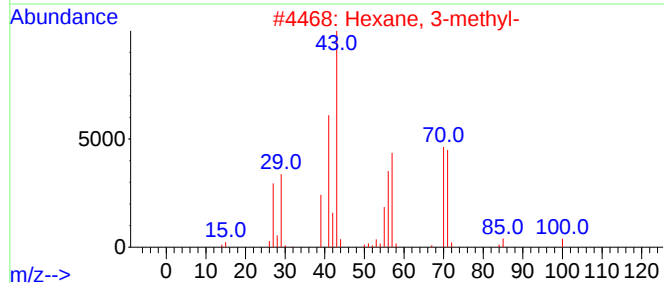
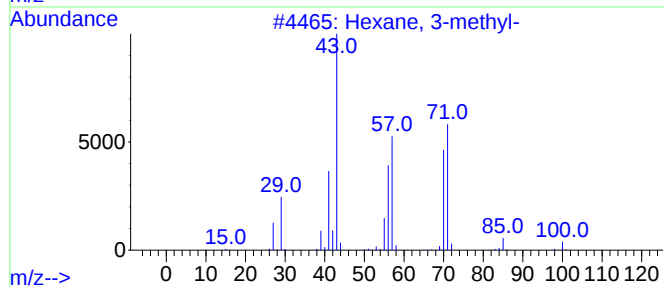
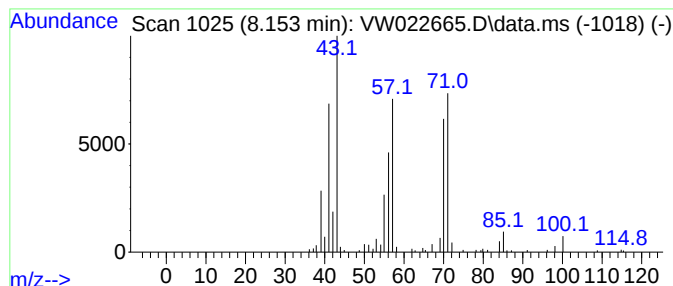
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.153 | 3.25 ug/L | 92790 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of 5              | Tentative ID | MW    | MolForm     | CAS# | Qual |
|------|-------------------|--------------|-------|-------------|------|------|
| 1    | Hexane, 3-methyl- | 100          | C7H16 | 000589-34-4 | 91   |      |
| 2    | Hexane, 3-methyl- | 100          | C7H16 | 000589-34-4 | 90   |      |
| 3    | Hexane, 3-methyl- | 100          | C7H16 | 000589-34-4 | 87   |      |
| 4    | Heptane           | 100          | C7H16 | 000142-82-5 | 80   |      |
| 5    | Heptane           | 100          | C7H16 | 000142-82-5 | 80   |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

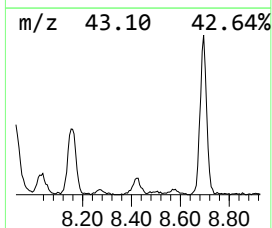
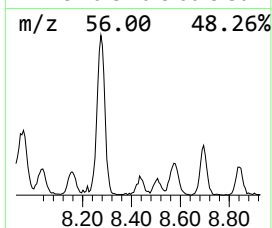
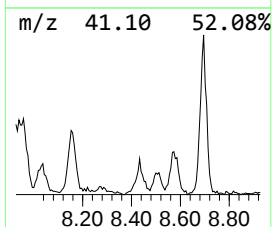
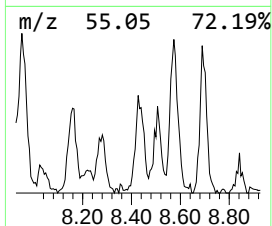
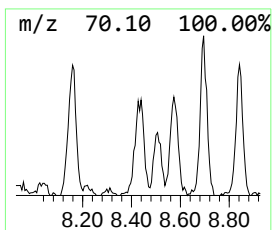
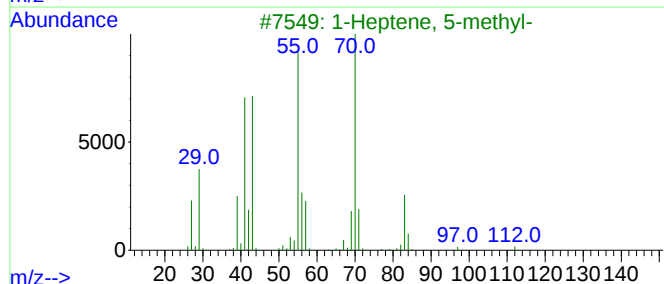
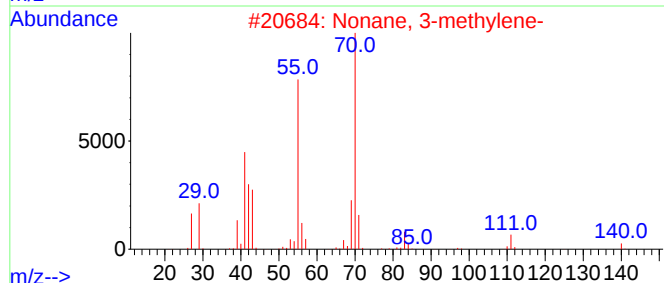
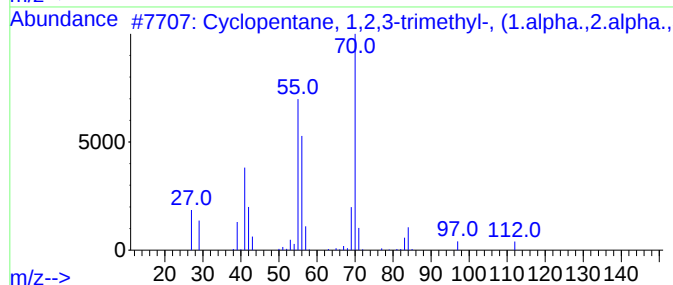
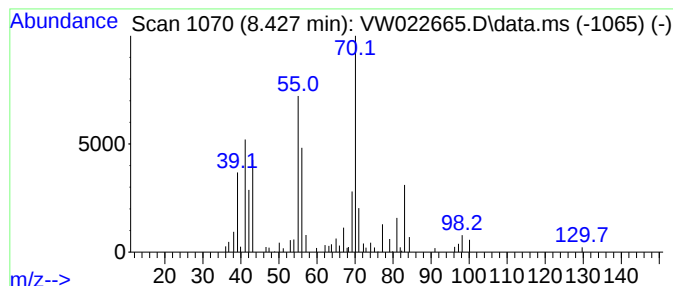
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Cyclic8.427 Concentration Rank 15

| R.T.      | EstConc                             | Area  | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|-------|---------------------|-------------|------|
| 8.427     | 2.10 ug/L                           | 59955 | 1,4-Difluorobenzene | 8.848       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm             | CAS#        | Qual |
| 1         | Cyclopentane, 1,2,3-trimethyl-, ... | 112   | C8H16               | 002613-69-6 | 53   |
| 2         | Nonane, 3-methylene-                | 140   | C10H20              | 051655-64-2 | 50   |
| 3         | 1-Heptene, 5-methyl-                | 112   | C8H16               | 013151-04-7 | 50   |
| 4         | Cyclobutane, 2-ethyl-1-methyl-3-... | 140   | C10H20              | 061233-72-5 | 50   |
| 5         | 1-Octene, 3-methyl-                 | 126   | C9H18               | 013151-08-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

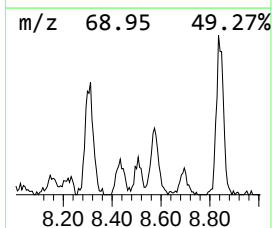
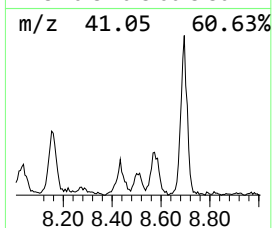
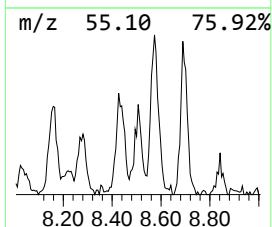
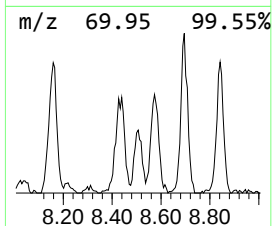
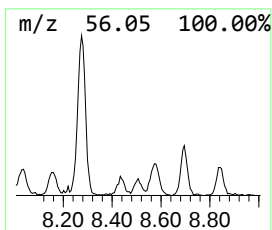
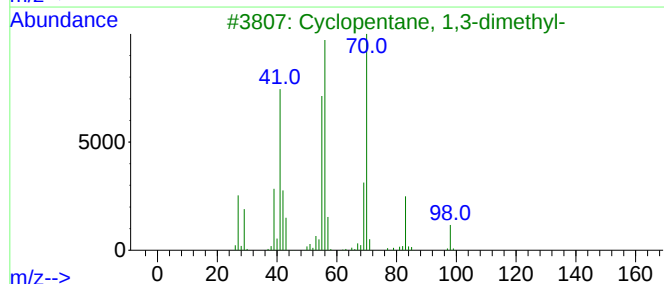
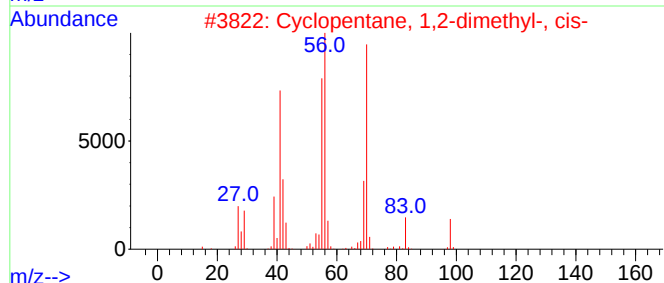
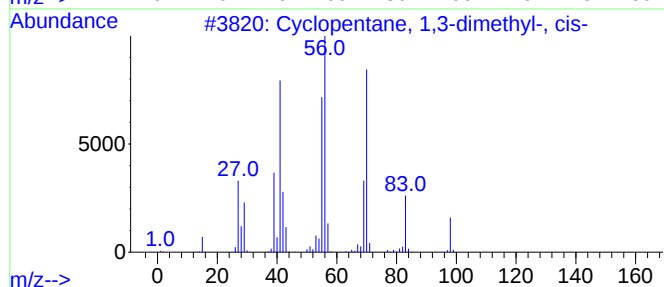
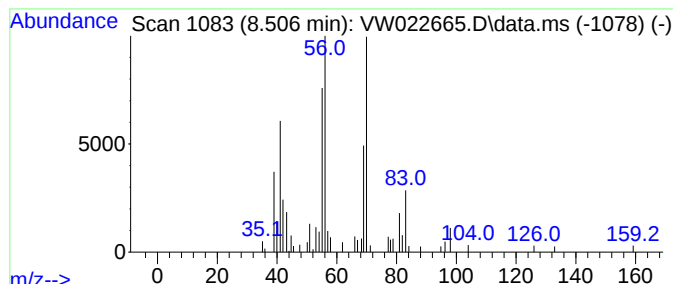
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 (DEL) Alkane: Cyclic8.506 Concentration Rank 21

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.506 | 1.33 ug/L | 37826 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of 5 | Tentative ID                      | MW | MolForm | CAS#        | Qual |
|------|------|-----------------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14   | 002532-58-3 | 90   |
| 2    |      | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14   | 001192-18-3 | 87   |
| 3    |      | Cyclopentane, 1,3-dimethyl-       | 98 | C7H14   | 002453-00-1 | 87   |
| 4    |      | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14   | 002532-58-3 | 80   |
| 5    |      | Cyclobutanone, 3-ethyl-           | 98 | C6H10O  | 056335-73-0 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

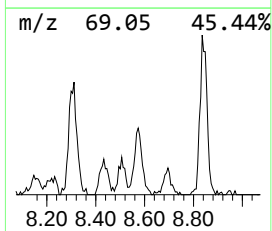
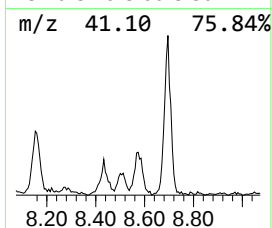
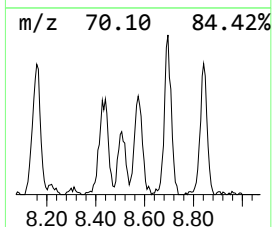
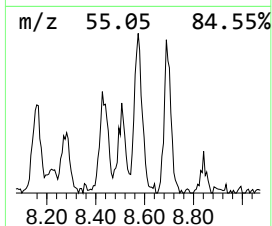
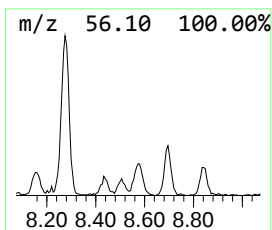
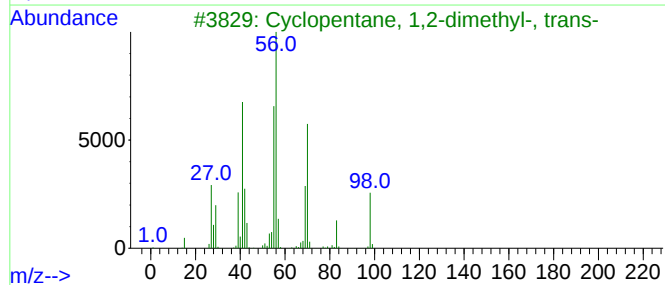
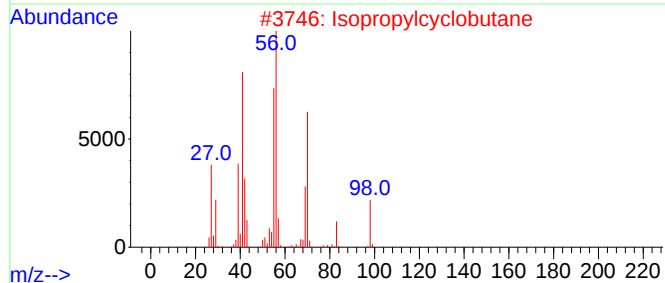
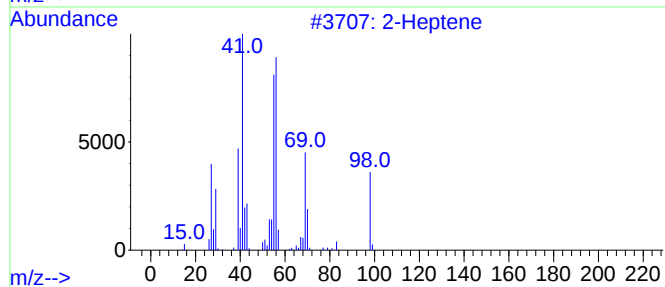
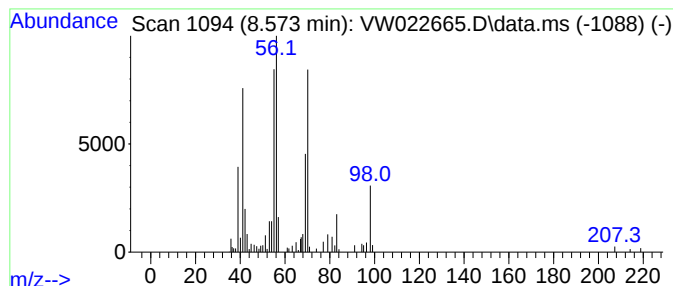
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.      | EstConc                             | Area  | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|-------|---------------------|-------------|------|
| 8.573     | 2.52 ug/L                           | 71875 | 1,4-Difluorobenzene | 8.848       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm             | CAS#        | Qual |
| 1         | 2-Heptene                           | 98    | C7H14               | 000592-77-8 | 92   |
| 2         | Isopropylcyclobutane                | 98    | C7H14               | 000872-56-0 | 83   |
| 3         | Cyclopentane, 1,2-dimethyl-, trans- | 98    | C7H14               | 000822-50-4 | 81   |
| 4         | 2-Heptene, (E)-                     | 98    | C7H14               | 014686-13-6 | 70   |
| 5         | Cyclopentane, 1,2-dimethyl-, trans- | 98    | C7H14               | 000822-50-4 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

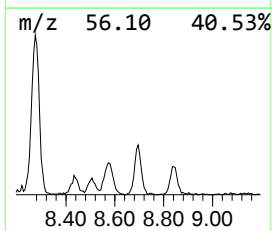
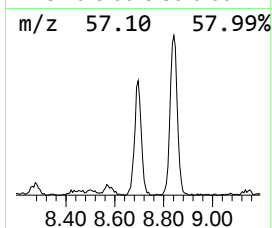
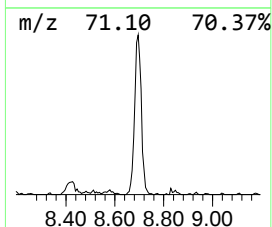
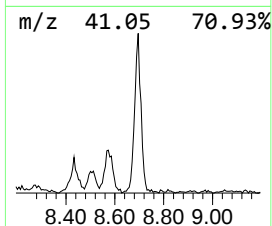
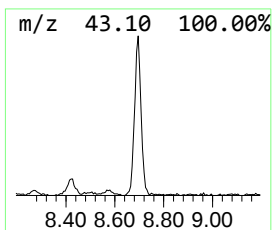
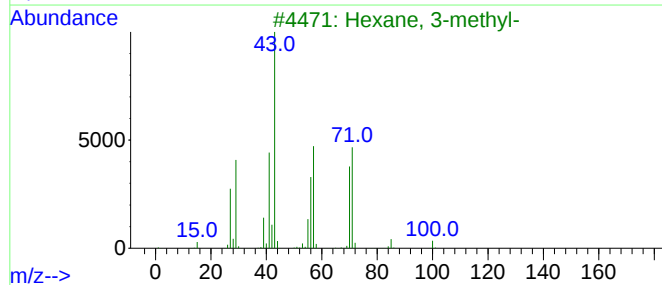
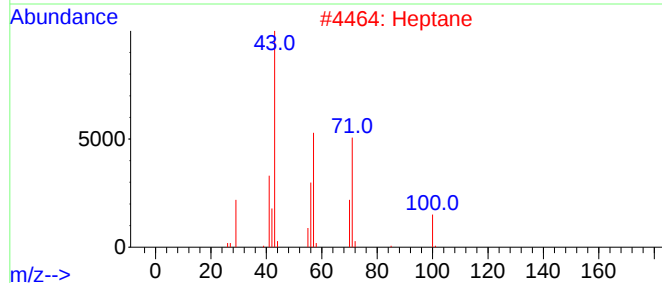
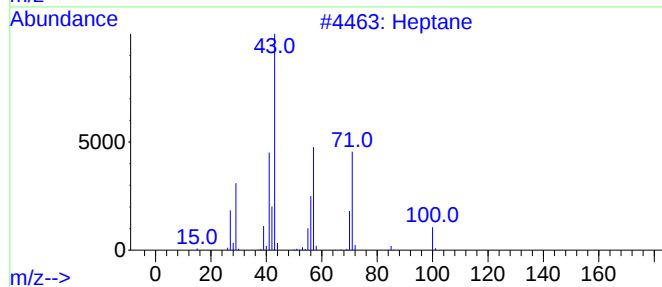
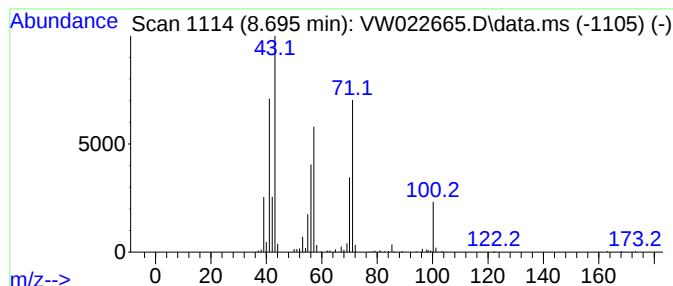
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 8.695 | 5.73 ug/L | 163419 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane           | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    |   | Heptane           | 100 | C7H16   | 000142-82-5 | 72   |
| 3    |    |   | Hexane, 3-methyl- | 100 | C7H16   | 000589-34-4 | 64   |
| 4    |    |   | Heptane           | 100 | C7H16   | 000142-82-5 | 58   |
| 5    |    |   | Heptane           | 100 | C7H16   | 000142-82-5 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

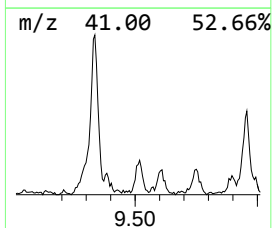
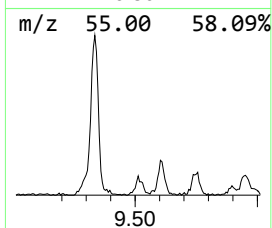
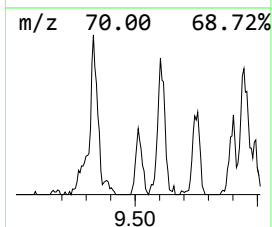
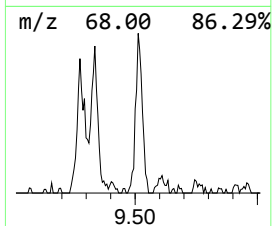
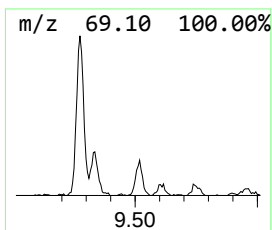
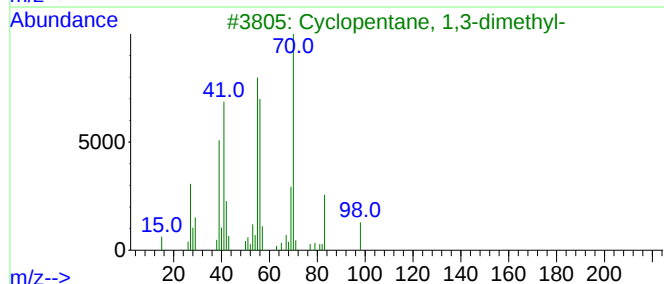
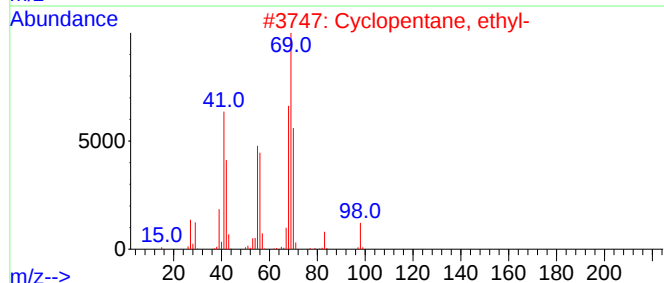
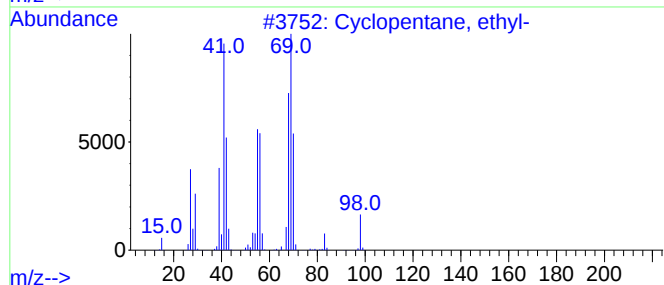
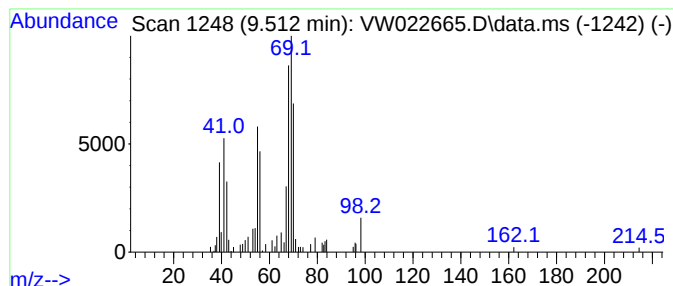
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 14 (DEL) Alkane: Cyclic9.512 Concentration Rank 22

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.512 | 1.29 ug/L | 36699 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane, ethyl-           | 98 | C7H14   | 001640-89-7 | 81   |
| 2    |    |   | Cyclopentane, ethyl-           | 98 | C7H14   | 001640-89-7 | 76   |
| 3    |    |   | Cyclopentane, 1,3-dimethyl-    | 98 | C7H14   | 002453-00-1 | 38   |
| 4    |    |   | Cyclopentanone, 3-methyl-      | 98 | C6H10O  | 001757-42-2 | 35   |
| 5    |    |   | (R)-(+)-3-Methylcyclopentanone | 98 | C6H10O  | 006672-30-6 | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

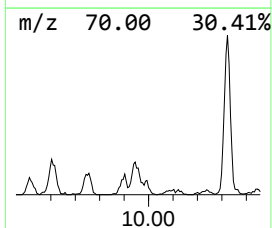
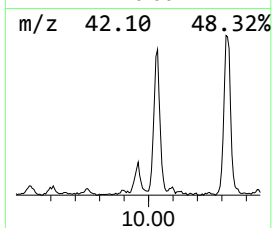
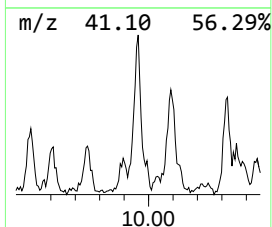
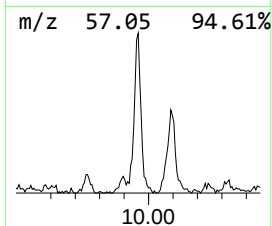
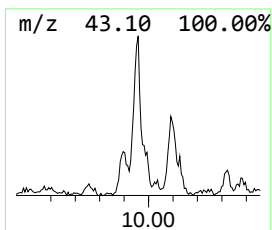
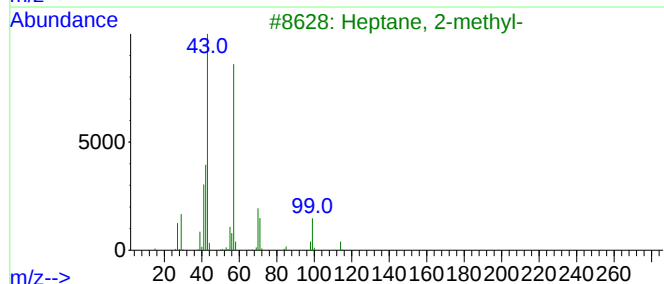
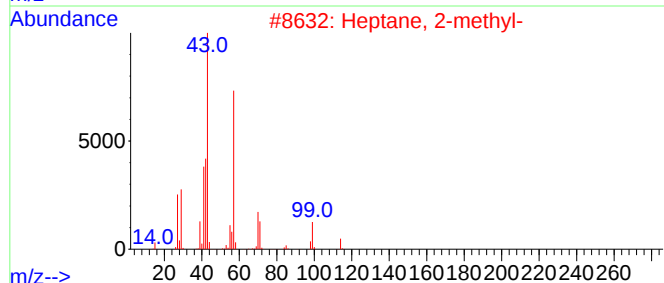
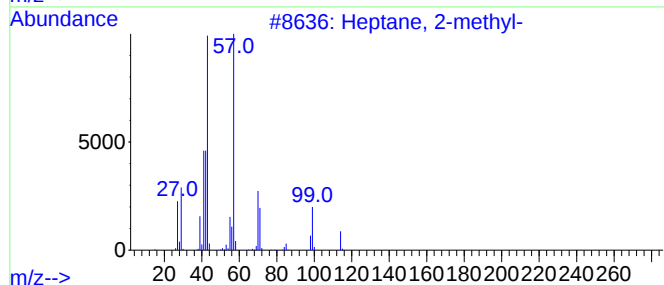
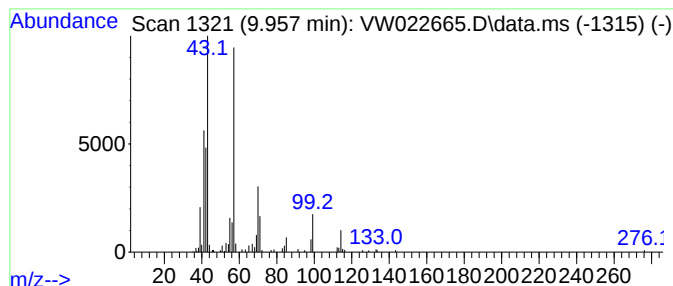
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 9.957 | 2.78 ug/L | 79311 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | Heptane, 2-methyl-        | 114 | C8H18   | 000592-27-8 | 91   |
| 2    |      | Heptane, 2-methyl-        | 114 | C8H18   | 000592-27-8 | 90   |
| 3    |      | Heptane, 2-methyl-        | 114 | C8H18   | 000592-27-8 | 72   |
| 4    |      | Hexane, 2,5-dimethyl-     | 114 | C8H18   | 000592-13-2 | 53   |
| 5    |      | Heptane, 2,3,6-trimethyl- | 142 | C10H22  | 004032-93-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

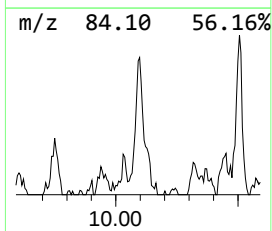
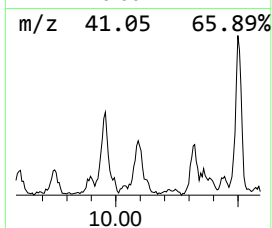
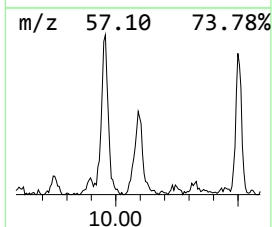
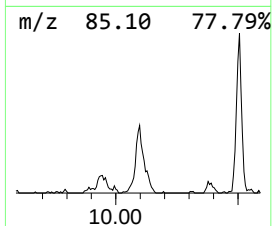
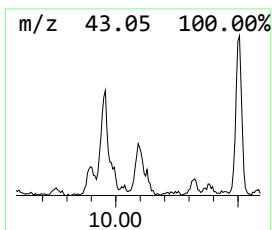
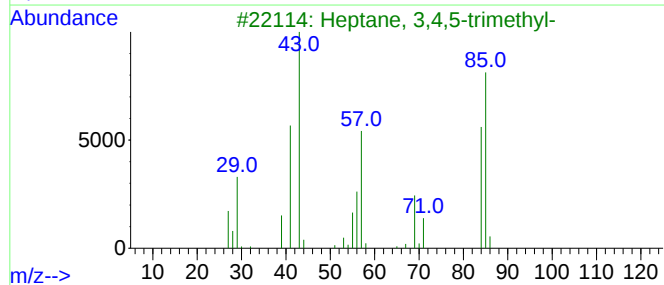
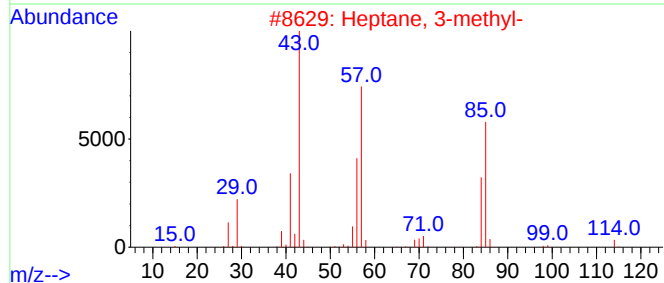
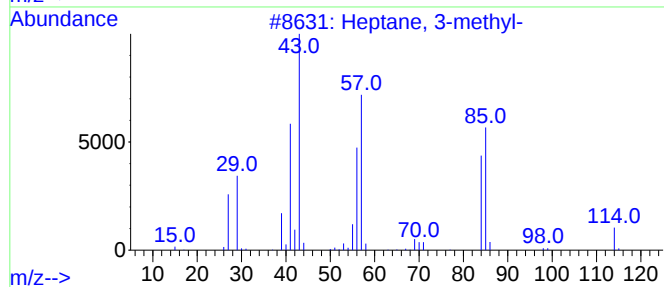
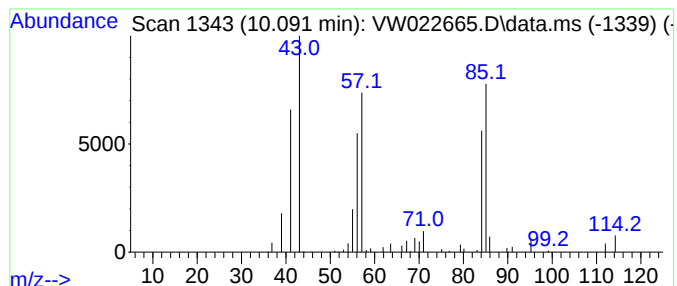
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD    | R.T.  |
|--------|-----------|-------|---------------------|-------|
| 10.091 | 2.25 ug/L | 64274 | 1,4-Difluorobenzene | 8.848 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptane, 3-methyl-             | 114 | C8H18   | 000589-81-1 | 87   |
| 2    |    |   | Heptane, 3-methyl-             | 114 | C8H18   | 000589-81-1 | 64   |
| 3    |    |   | Heptane, 3,4,5-trimethyl-      | 142 | C10H22  | 020278-89-1 | 64   |
| 4    |    |   | Hexyl octyl ether              | 214 | C14H30O | 017071-54-4 | 64   |
| 5    |    |   | Pentane, 3-ethyl-2,4-dimethyl- | 128 | C9H20   | 001068-87-7 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

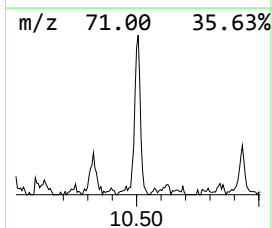
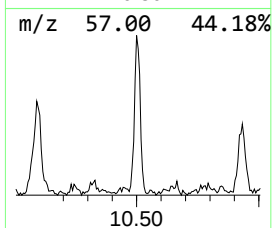
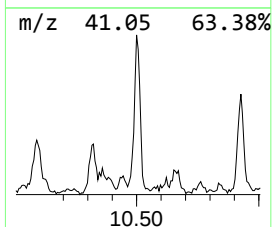
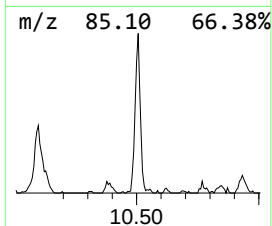
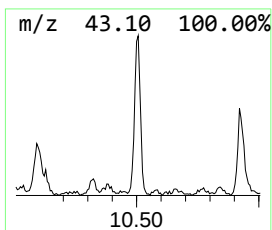
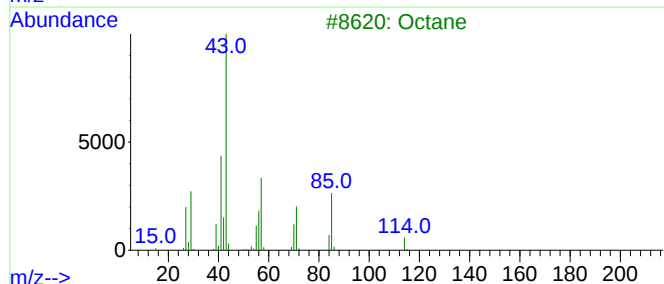
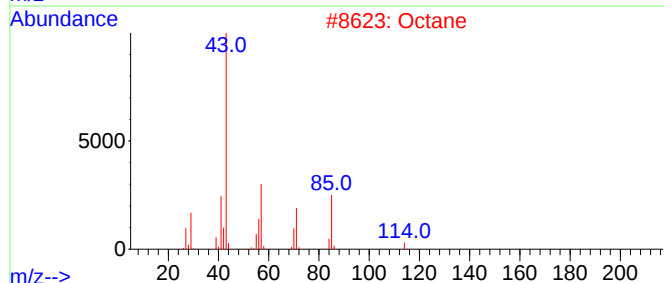
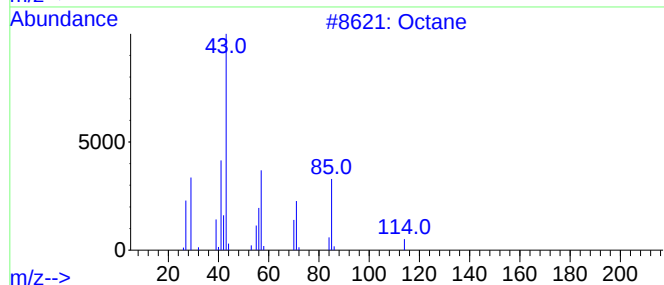
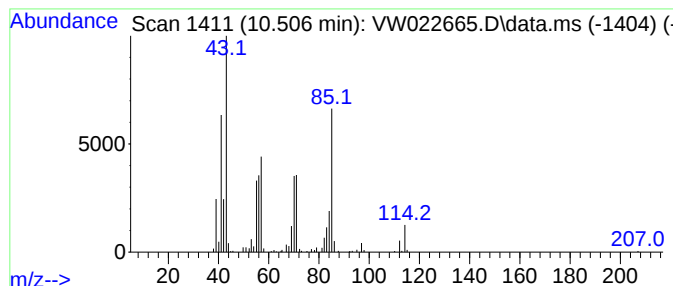
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 10.506 | 5.24 ug/L | 131152 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Octane           | 114 | C8H18   | 000111-65-9 | 86   |
| 2    |    |   | Octane           | 114 | C8H18   | 000111-65-9 | 64   |
| 3    |    |   | Octane           | 114 | C8H18   | 000111-65-9 | 64   |
| 4    |    |   | Hexane, 3-ethyl- | 114 | C8H18   | 000619-99-8 | 59   |
| 5    |    |   | Octane           | 114 | C8H18   | 000111-65-9 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

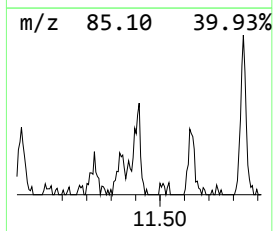
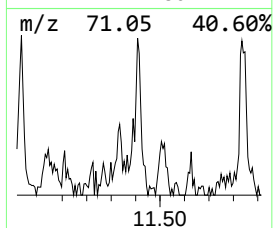
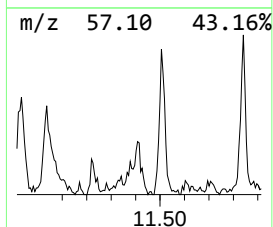
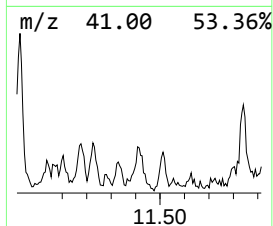
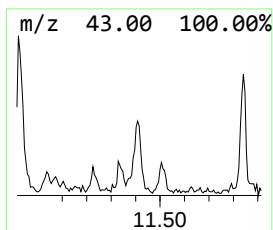
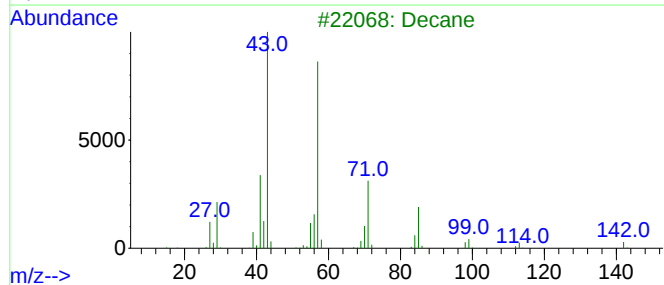
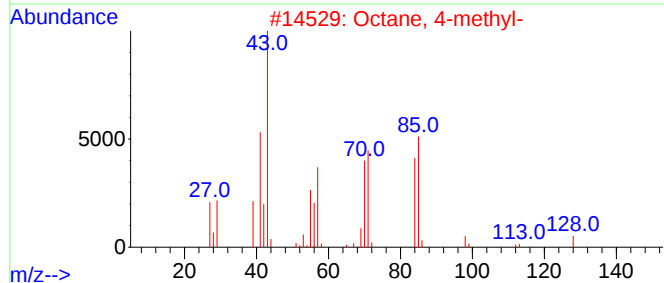
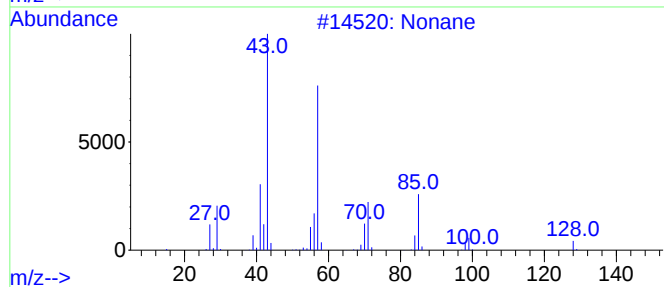
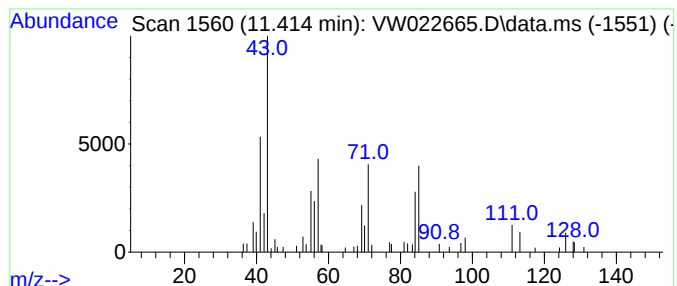
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Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.414 | 1.81 ug/L | 45307 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane            | 128 | C9H20   | 000111-84-2 | 64   |
| 2    |    |   | Octane, 4-methyl- | 128 | C9H20   | 002216-34-4 | 59   |
| 3    |    |   | Decane            | 142 | C10H22  | 000124-18-5 | 53   |
| 4    |    |   | Nonane            | 128 | C9H20   | 000111-84-2 | 53   |
| 5    |    |   | 4-Octanone        | 128 | C8H16O  | 000589-63-9 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

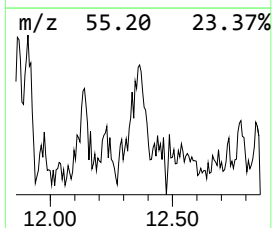
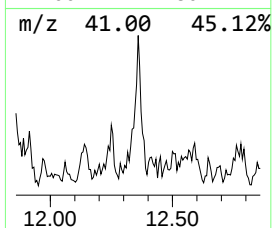
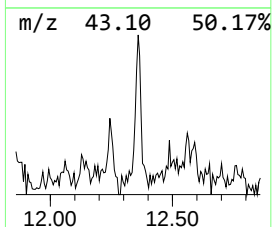
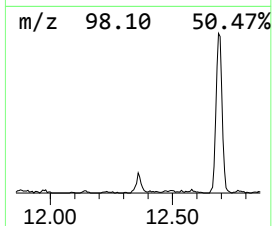
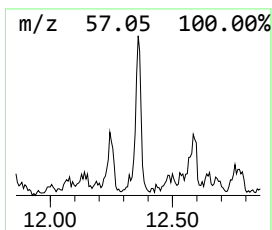
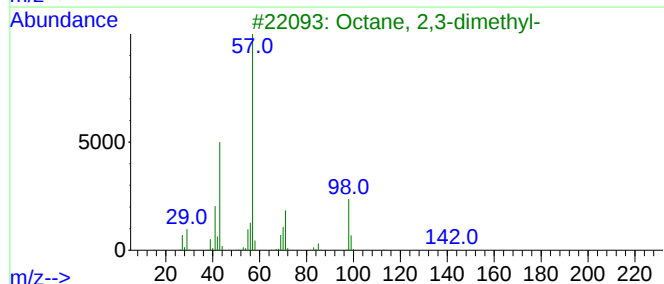
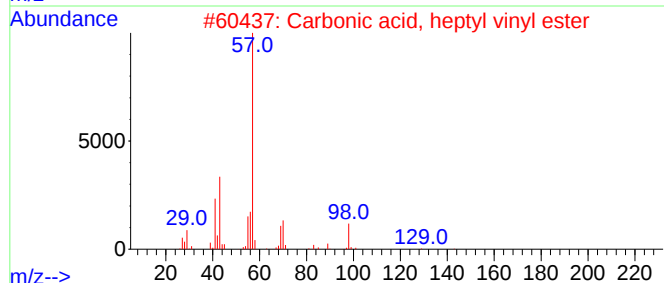
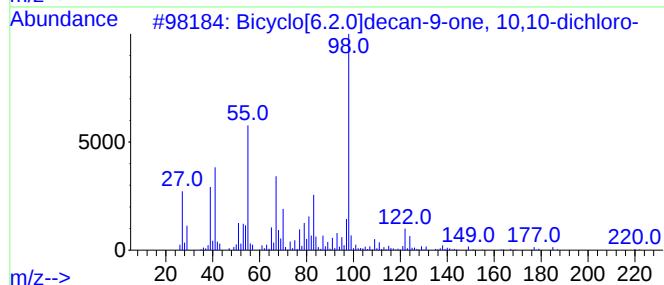
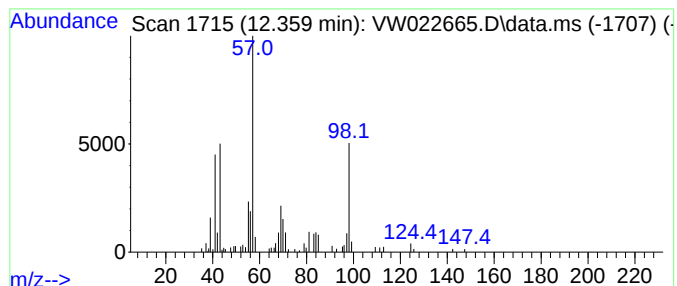
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Quant Title : SFAM01.0

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

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Peak Number 20 unknown-01 Concentration Rank 19

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.359 | 1.69 ug/L | 42207 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Bicyclo[6.2.0]decan-9-one, 10,10... | 220 | C10H14Cl2O | 022374-13-6  | 47   |
| 2    |    |   | Carbonic acid, heptyl vinyl ester   | 186 | C10H18O3   | 1010383-25-4 | 43   |
| 3    |    |   | Octane, 2,3-dimethyl-               | 142 | C10H22     | 007146-60-3  | 43   |
| 4    |    |   | 1-Propene, 1,1'-oxybis-, (Z,Z)-     | 98  | C6H10O     | 004696-27-9  | 43   |
| 5    |    |   | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22     | 014676-29-0  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

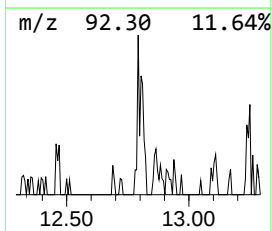
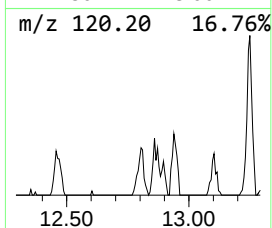
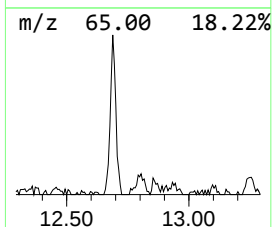
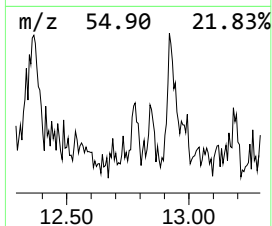
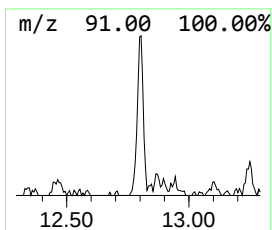
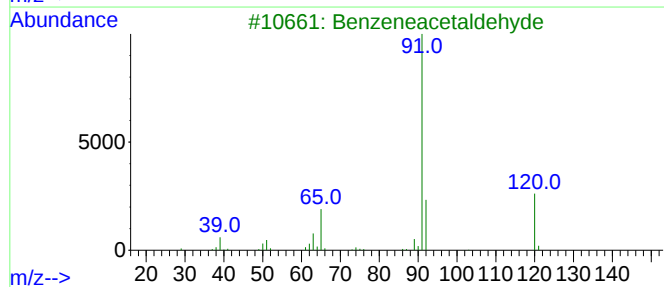
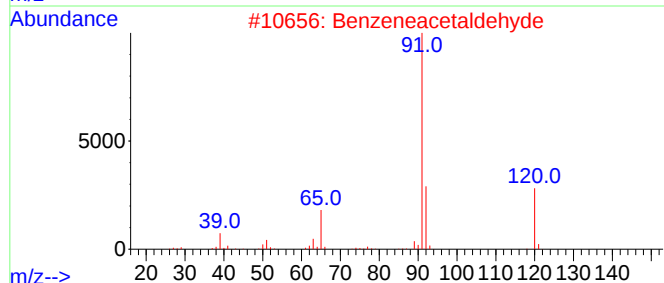
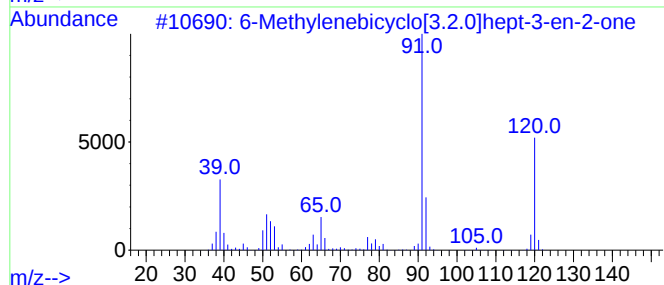
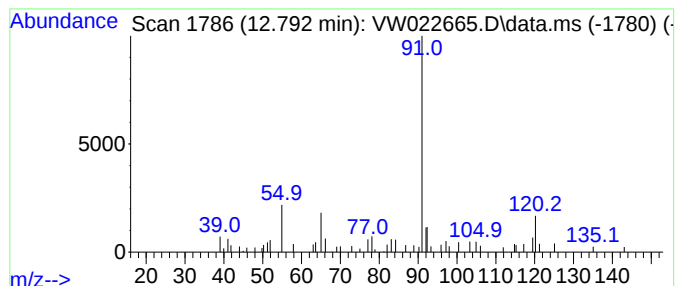
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 22 6-Methylenebicyclo[3.2.0]he... Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.792 | 1.82 ug/L | 27366 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | 6-Methylenebicyclo[3.2.0]hept-3-... | 120 | C8H8O   | 1010211-11-9 | 50   |
| 2    |      | Benzeneacetaldehyde                 | 120 | C8H8O   | 000122-78-1  | 47   |
| 3    |      | Benzeneacetaldehyde                 | 120 | C8H8O   | 000122-78-1  | 47   |
| 4    |      | Benzeneacetaldehyde                 | 120 | C8H8O   | 000122-78-1  | 47   |
| 5    |      | Benzene, propyl-                    | 120 | C9H12   | 000103-65-1  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
Data File : VW022665.D  
Acq On : 28 Apr 2022 15:02  
Operator : SY/VA  
Sample : N2562-15RE  
Misc : 5.50g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476RE

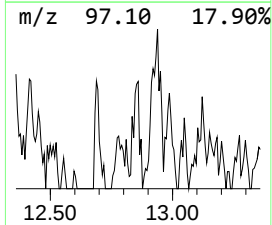
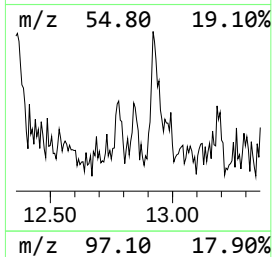
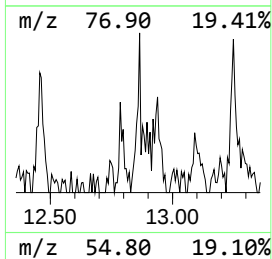
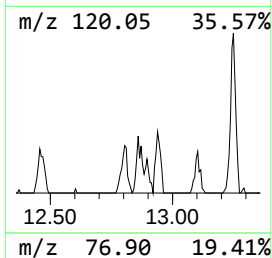
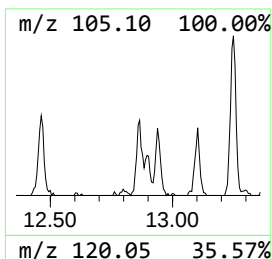
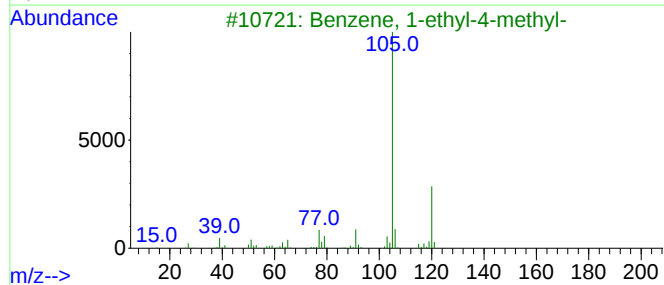
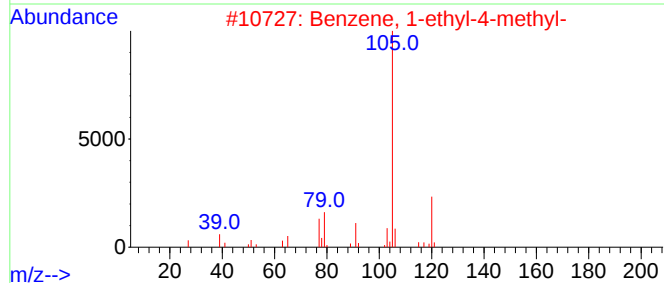
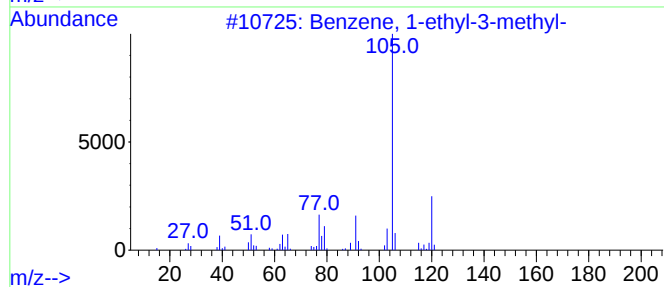
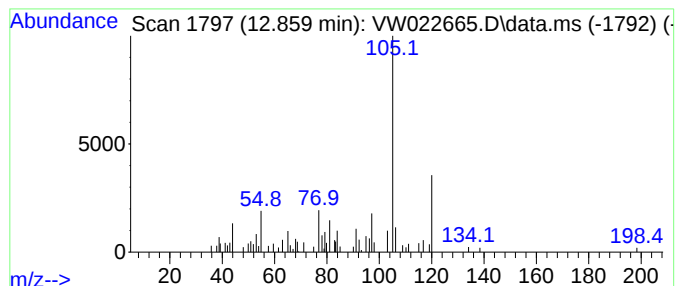
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 23 Benzene, 1-ethyl-3-methyl- Concentration Rank 23

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.859 | 1.27 ug/L | 19153 | 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 | 76   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 68   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 68   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 68   |
| 5    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
 Data File : VW022665.D  
 Acq On : 28 Apr 2022 15:02  
 Operator : SY/VA  
 Sample : N2562-15RE  
 Misc : 5.50g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0

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

|                    |        |         |       |          |   | --Internal Standard-- |        |      |  |
|--------------------|--------|---------|-------|----------|---|-----------------------|--------|------|--|
| TIC Top Hit name   | RT     | EstConc | Units | Response | # | RT                    | Resp   | Conc |  |
| (DEL) Alkane: S... | 1.965  | 2.3     | ug/L  | 66154    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 2.184  | 3.0     | ug/L  | 85070    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 3.026  | 11.4    | ug/L  | 325588   | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 3.391  | 7.8     | ug/L  | 223375   | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 5.440  | 3.6     | ug/L  | 101574   | 1 | 8.848                 | 713272 | 25.0 |  |
| 2-Ethyl-oxetane    | 5.946  | 8.0     | ug/L  | 227324   | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: C... | 6.982  | 5.0     | ug/L  | 143510   | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 8.031  | 1.5     | ug/L  | 41449    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 8.153  | 3.3     | ug/L  | 92790    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: C... | 8.427  | 2.1     | ug/L  | 59955    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: C... | 8.506  | 1.3     | ug/L  | 37826    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 8.573  | 2.5     | ug/L  | 71875    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 8.695  | 5.7     | ug/L  | 163419   | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: C... | 9.512  | 1.3     | ug/L  | 36699    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 9.957  | 2.8     | ug/L  | 79311    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 10.091 | 2.3     | ug/L  | 64274    | 1 | 8.848                 | 713272 | 25.0 |  |
| (DEL) Alkane: S... | 10.506 | 5.2     | ug/L  | 131152   | 2 | 11.628                | 625637 | 25.0 |  |
| (DEL) Alkane: S... | 11.414 | 1.8     | ug/L  | 45307    | 2 | 11.628                | 625637 | 25.0 |  |
| unknown-01         | 12.359 | 1.7     | ug/L  | 42207    | 2 | 11.628                | 625637 | 25.0 |  |
| 6-Methylenebicy... | 12.792 | 1.8     | ug/L  | 27366    | 3 | 13.554                | 376137 | 25.0 |  |
| Benzene, 1-ethy... | 12.859 | 1.3     | ug/L  | 19153    | 3 | 13.554                | 376137 | 25.0 |  |