

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
 Data File : VW022467.D  
 Acq On : 08 Apr 2022 16:31  
 Operator : SY/VA  
 Sample : N2293-15  
 Misc : 6.19g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETNP3

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: VW022467.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         | 1.959       | 5             | 9           | 24           | rVB      | 437801         | 630161        | 7.05%           | 2.510%        |
| 2         | 2.209       | 48            | 50          | 51           | rBV2     | 2706           | 2103          | 0.02%           | 0.008%        |
| 3         | 2.355       | 69            | 74          | 83           | rBV      | 146633         | 250436        | 2.80%           | 0.997%        |
| 4         | 2.891       | 156           | 162         | 171          | rVB      | 89103          | 192872        | 2.16%           | 0.768%        |
| 5         | 3.367       | 237           | 240         | 242          | rBV4     | 1824           | 1727          | 0.02%           | 0.007%        |
| 6         | 3.903       | 323           | 328         | 332          | rBV5     | 2912           | 6258          | 0.07%           | 0.025%        |
| 7         | 4.019       | 337           | 347         | 361          | rBV2     | 147205         | 457776        | 5.12%           | 1.823%        |
| 8         | 4.391       | 405           | 408         | 409          | rBV3     | 1866           | 1956          | 0.02%           | 0.008%        |
| 9         | 4.665       | 450           | 453         | 457          | rVB6     | 1529           | 1886          | 0.02%           | 0.008%        |
| 10        | 4.921       | 486           | 495         | 503          | rBV4     | 5792           | 21292         | 0.24%           | 0.085%        |
| 11        | 5.184       | 530           | 538         | 547          | rVV4     | 8596           | 26394         | 0.30%           | 0.105%        |
| 12        | 5.702       | 620           | 623         | 625          | rBV4     | 1231           | 1548          | 0.02%           | 0.006%        |
| 13        | 5.769       | 631           | 634         | 636          | rBV4     | 1441           | 1605          | 0.02%           | 0.006%        |
| 14        | 5.946       | 653           | 663         | 668          | rBV9     | 5712           | 17243         | 0.19%           | 0.069%        |
| 15        | 6.110       | 683           | 690         | 694          | rBV8     | 1812           | 3849          | 0.04%           | 0.015%        |
| 16        | 6.226       | 706           | 709         | 713          | rVB6     | 1567           | 1975          | 0.02%           | 0.008%        |
| 17        | 6.403       | 734           | 738         | 741          | rBV5     | 1738           | 2334          | 0.03%           | 0.009%        |
| 18        | 6.854       | 809           | 812         | 815          | rBV5     | 1323           | 1711          | 0.02%           | 0.007%        |
| 19        | 6.994       | 831           | 835         | 840          | rVB8     | 1544           | 2664          | 0.03%           | 0.011%        |
| 20        | 7.080       | 840           | 849         | 864          | rBV      | 40758          | 122538        | 1.37%           | 0.488%        |
| 21        | 7.653       | 933           | 943         | 955          | rVB      | 256715         | 636913        | 7.13%           | 2.537%        |
| 22        | 7.872       | 975           | 979         | 980          | rVV4     | 1218           | 1666          | 0.02%           | 0.007%        |
| 23        | 7.921       | 980           | 987         | 999          | rVB9     | 7854           | 24036         | 0.27%           | 0.096%        |
| 24        | 8.037       | 1002          | 1006        | 1008         | rBV5     | 1160           | 1884          | 0.02%           | 0.008%        |
| 25        | 8.153       | 1018          | 1025        | 1034         | rVB5     | 9192           | 22291         | 0.25%           | 0.089%        |
| 26        | 8.275       | 1034          | 1045        | 1048         | rBV      | 483442         | 1085516       | 12.15%          | 4.324%        |
| 27        | 8.323       | 1049          | 1053        | 1062         | rVB      | 951135         | 2035548       | 22.79%          | 8.107%        |
| 28        | 8.561       | 1089          | 1092        | 1099         | rVB8     | 4827           | 9654          | 0.11%           | 0.038%        |
| 29        | 8.695       | 1105          | 1114        | 1121         | rBV2     | 13838          | 28138         | 0.31%           | 0.112%        |
| 30        | 8.841       | 1130          | 1138        | 1149         | rVV      | 478750         | 937131        | 10.49%          | 3.733%        |
| 31        | 8.945       | 1153          | 1155        | 1158         | rVB4     | 1350           | 1713          | 0.02%           | 0.007%        |
| 32        | 8.988       | 1158          | 1162        | 1167         | rBV4     | 4117           | 8858          | 0.10%           | 0.035%        |
| 33        | 9.043       | 1167          | 1171        | 1172         | rBV3     | 1192           | 1566          | 0.02%           | 0.006%        |
| 34        | 9.079       | 1172          | 1177        | 1188         | rVB3     | 4225           | 11899         | 0.13%           | 0.047%        |
| 35        | 9.159       | 1188          | 1190        | 1194         | rVB3     | 1559           | 2420          | 0.03%           | 0.010%        |
| 36        | 9.274       | 1200          | 1209        | 1217         | rBV      | 348066         | 704151        | 7.88%           | 2.805%        |

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 MSVOA\_W  
 ClientSampleId :  
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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 | 9.512  | 1242 | 1248 | 1253 | rVV8 | 3134    | 5821    | 0.07%   | 0.023%  |
| 38 | 9.658  | 1268 | 1272 | 1273 | rBV3 | 1755    | 2020    | 0.02%   | 0.008%  |
| 39 | 9.957  | 1313 | 1321 | 1327 | rBV3 | 14609   | 29464   | 0.33%   | 0.117%  |
| 40 | 10.036 | 1327 | 1334 | 1342 | rVB  | 189713  | 342922  | 3.84%   | 1.366%  |
| 41 | 10.134 | 1348 | 1350 | 1354 | rVB5 | 1579    | 1895    | 0.02%   | 0.008%  |
| 42 | 10.207 | 1361 | 1362 | 1367 | rVB3 | 1613    | 1798    | 0.02%   | 0.007%  |
| 43 | 10.323 | 1372 | 1381 | 1387 | rBV  | 698899  | 1209713 | 13.54%  | 4.818%  |
| 44 | 10.384 | 1387 | 1391 | 1403 | rVV2 | 94321   | 182601  | 2.04%   | 0.727%  |
| 45 | 10.506 | 1407 | 1411 | 1414 | rVV6 | 4550    | 6849    | 0.08%   | 0.027%  |
| 46 | 10.579 | 1416 | 1423 | 1431 | rVB  | 113911  | 205689  | 2.30%   | 0.819%  |
| 47 | 10.719 | 1437 | 1446 | 1450 | rBV8 | 8974    | 22050   | 0.25%   | 0.088%  |
| 48 | 10.853 | 1466 | 1468 | 1472 | rVB5 | 1739    | 2601    | 0.03%   | 0.010%  |
| 49 | 10.920 | 1472 | 1479 | 1494 | rBV  | 176262  | 326586  | 3.66%   | 1.301%  |
| 50 | 11.061 | 1500 | 1502 | 1506 | rVB5 | 2955    | 2995    | 0.03%   | 0.012%  |
| 51 | 11.170 | 1517 | 1520 | 1526 | rVB7 | 2865    | 5987    | 0.07%   | 0.024%  |
| 52 | 11.256 | 1529 | 1534 | 1536 | rBV4 | 1838    | 2488    | 0.03%   | 0.010%  |
| 53 | 11.286 | 1536 | 1539 | 1543 | rVV6 | 4747    | 6829    | 0.08%   | 0.027%  |
| 54 | 11.408 | 1554 | 1559 | 1565 | rVB  | 14740   | 25035   | 0.28%   | 0.100%  |
| 55 | 11.481 | 1566 | 1571 | 1575 | rVB7 | 6424    | 11180   | 0.13%   | 0.045%  |
| 56 | 11.554 | 1576 | 1583 | 1589 | rBV  | 138152  | 223202  | 2.50%   | 0.889%  |
| 57 | 11.652 | 1589 | 1599 | 1607 | rBV2 | 4486966 | 8933600 | 100.00% | 35.582% |
| 58 | 11.835 | 1623 | 1629 | 1638 | rVB  | 19848   | 45464   | 0.51%   | 0.181%  |
| 59 | 11.957 | 1645 | 1649 | 1657 | rBV9 | 6014    | 13174   | 0.15%   | 0.052%  |
| 60 | 12.164 | 1679 | 1683 | 1690 | rVB2 | 17721   | 32820   | 0.37%   | 0.131%  |
| 61 | 12.353 | 1711 | 1714 | 1715 | rVV2 | 1890    | 1771    | 0.02%   | 0.007%  |
| 62 | 12.384 | 1717 | 1719 | 1723 | rVB5 | 1611    | 2079    | 0.02%   | 0.008%  |
| 63 | 12.463 | 1728 | 1732 | 1737 | rBV6 | 2477    | 4152    | 0.05%   | 0.017%  |
| 64 | 12.518 | 1738 | 1741 | 1744 | rVB5 | 2254    | 2937    | 0.03%   | 0.012%  |
| 65 | 12.597 | 1746 | 1754 | 1759 | rBV4 | 12285   | 27676   | 0.31%   | 0.110%  |
| 66 | 12.688 | 1759 | 1769 | 1774 | rBV  | 281915  | 522298  | 5.85%   | 2.080%  |
| 67 | 12.743 | 1774 | 1778 | 1784 | rVB  | 144898  | 232163  | 2.60%   | 0.925%  |
| 68 | 12.798 | 1784 | 1787 | 1792 | rVB4 | 4834    | 8007    | 0.09%   | 0.032%  |
| 69 | 12.890 | 1792 | 1802 | 1807 | rBV4 | 35926   | 92659   | 1.04%   | 0.369%  |
| 70 | 12.987 | 1815 | 1818 | 1823 | rVB7 | 4327    | 6391    | 0.07%   | 0.025%  |
| 71 | 13.103 | 1829 | 1837 | 1845 | rBV4 | 13456   | 31032   | 0.35%   | 0.124%  |
| 72 | 13.188 | 1845 | 1851 | 1855 | rBV3 | 4098    | 8108    | 0.09%   | 0.032%  |
| 73 | 13.243 | 1855 | 1860 | 1867 | rBV2 | 12500   | 22975   | 0.26%   | 0.092%  |
| 74 | 13.365 | 1876 | 1880 | 1883 | rBV6 | 5238    | 8388    | 0.09%   | 0.033%  |
| 75 | 13.463 | 1891 | 1896 | 1899 | rBV7 | 6080    | 12065   | 0.14%   | 0.048%  |
| 76 | 13.554 | 1904 | 1911 | 1920 | rBV  | 761963  | 1237883 | 13.86%  | 4.930%  |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETNP3

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  | 13.639 | 1920 | 1925 | 1931 | rVV5 | 42944  | 72625   | 0.81%  | 0.289% |
| 78  | 13.755 | 1941 | 1944 | 1948 | rVB6 | 6092   | 9324    | 0.10%  | 0.037% |
| 79  | 13.853 | 1948 | 1960 | 1970 | rVV  | 656791 | 1164387 | 13.03% | 4.638% |
| 80  | 13.932 | 1971 | 1973 | 1978 | rVB6 | 6256   | 9851    | 0.11%  | 0.039% |
| 81  | 14.036 | 1985 | 1990 | 2004 | rVB4 | 50817  | 105430  | 1.18%  | 0.420% |
| 82  | 14.206 | 2013 | 2018 | 2024 | rVB2 | 39733  | 68065   | 0.76%  | 0.271% |
| 83  | 14.292 | 2029 | 2032 | 2033 | rBV3 | 1830   | 2058    | 0.02%  | 0.008% |
| 84  | 14.341 | 2033 | 2040 | 2046 | rVB7 | 9735   | 19222   | 0.22%  | 0.077% |
| 85  | 14.420 | 2049 | 2053 | 2055 | rVV5 | 5420   | 8241    | 0.09%  | 0.033% |
| 86  | 14.469 | 2055 | 2061 | 2068 | rVB3 | 56094  | 94296   | 1.06%  | 0.376% |
| 87  | 14.578 | 2073 | 2079 | 2085 | rVB  | 21751  | 35014   | 0.39%  | 0.139% |
| 88  | 14.731 | 2092 | 2104 | 2111 | rBV  | 820271 | 1274644 | 14.27% | 5.077% |
| 89  | 14.950 | 2136 | 2140 | 2141 | rBV4 | 2725   | 3422    | 0.04%  | 0.014% |
| 90  | 15.096 | 2158 | 2164 | 2174 | rVB4 | 9106   | 26210   | 0.29%  | 0.104% |
| 91  | 15.243 | 2185 | 2188 | 2191 | rBV5 | 2735   | 3996    | 0.04%  | 0.016% |
| 92  | 15.359 | 2204 | 2207 | 2213 | rVB5 | 3575   | 5199    | 0.06%  | 0.021% |
| 93  | 15.487 | 2222 | 2228 | 2235 | rBV  | 21855  | 44075   | 0.49%  | 0.176% |
| 94  | 15.596 | 2240 | 2246 | 2252 | rBV3 | 65859  | 124595  | 1.39%  | 0.496% |
| 95  | 15.737 | 2261 | 2269 | 2283 | rBV2 | 253225 | 523268  | 5.86%  | 2.084% |
| 96  | 16.060 | 2320 | 2322 | 2325 | rBV4 | 1463   | 1777    | 0.02%  | 0.007% |
| 97  | 16.108 | 2325 | 2330 | 2337 | rVV8 | 6675   | 13826   | 0.15%  | 0.055% |
| 98  | 16.273 | 2352 | 2357 | 2359 | rBV6 | 1760   | 2638    | 0.03%  | 0.011% |
| 99  | 16.639 | 2411 | 2417 | 2423 | rBV6 | 3976   | 9080    | 0.10%  | 0.036% |
| 100 | 16.730 | 2423 | 2432 | 2440 | rVV  | 165136 | 360792  | 4.04%  | 1.437% |

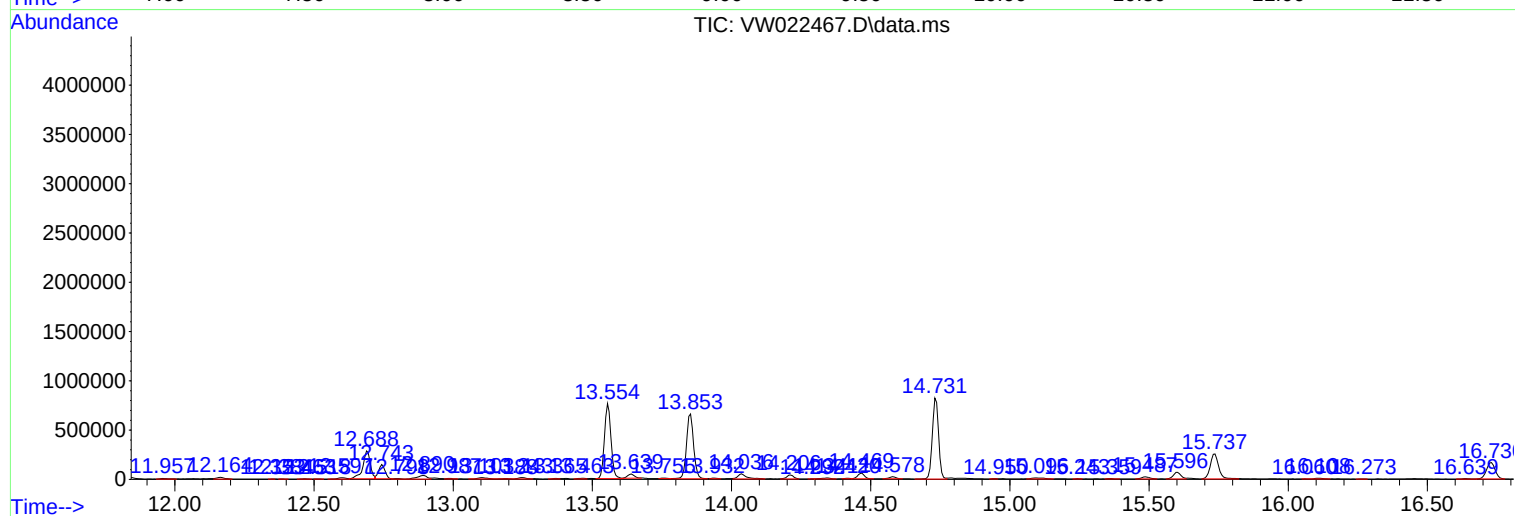
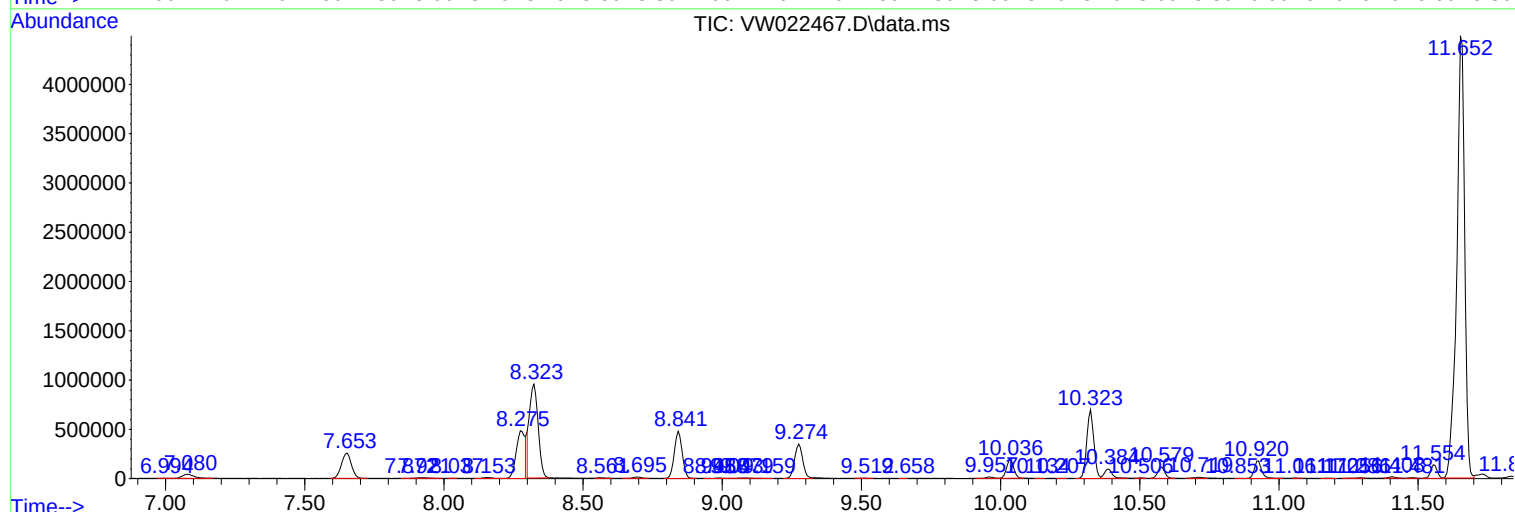
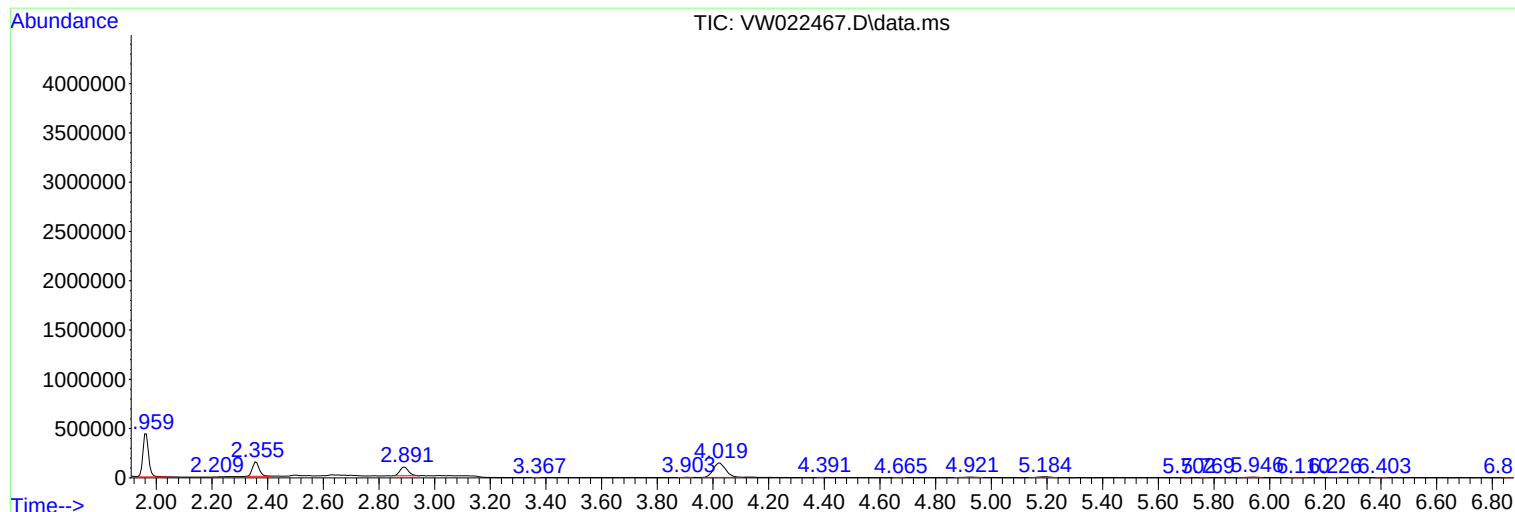
Sum of corrected areas: 25107114

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Instrument :  
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ClientSampleId :  
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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\VW040822\  
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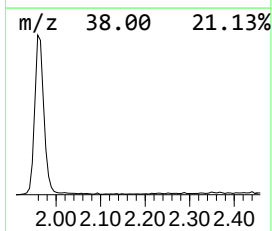
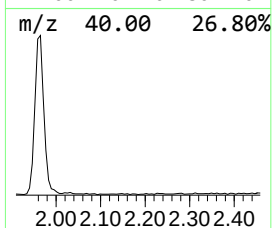
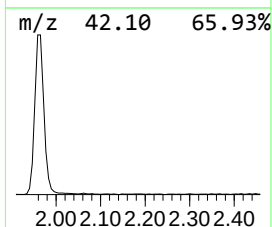
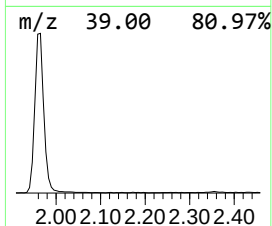
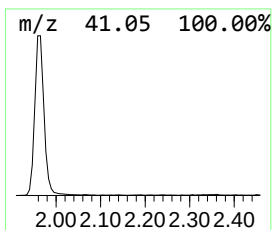
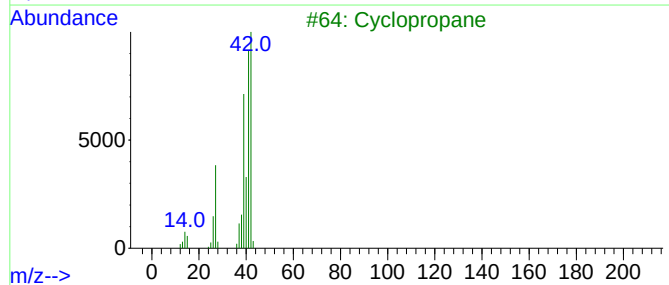
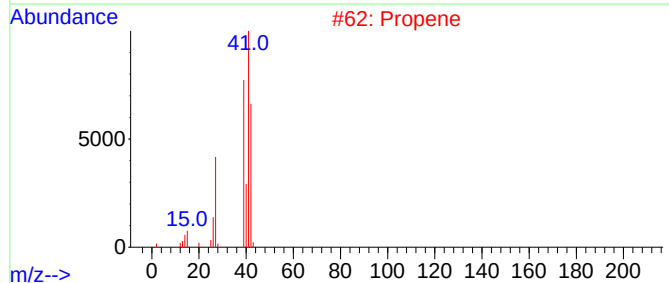
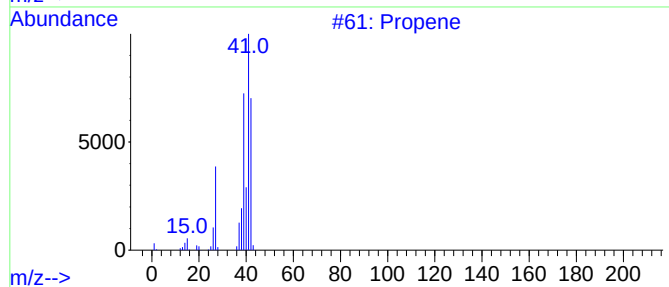
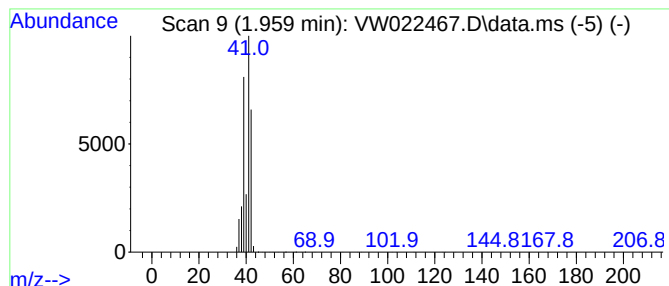
Instrument :  
MSVOA\_W  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.      | EstConc      | Area   | Relative to ISTD    | R.T.        |      |
|-----------|--------------|--------|---------------------|-------------|------|
| 1.959     | 16.81 ug/L   | 630161 | 1,4-Difluorobenzene | 8.841       |      |
| Hit# of 5 | Tentative ID | MW     | MolForm             | CAS#        | Qual |
| 1         | Propene      | 42     | C3H6                | 000115-07-1 | 90   |
| 2         | Propene      | 42     | C3H6                | 000115-07-1 | 59   |
| 3         | Cyclopropane | 42     | C3H6                | 000075-19-4 | 10   |
| 4         | Cyclopropene | 40     | C3H4                | 002781-85-3 | 10   |
| 5         | Cyclopropane | 42     | C3H6                | 000075-19-4 | 7    |



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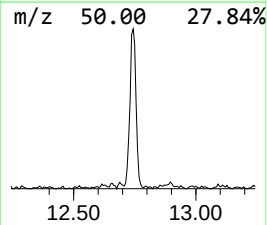
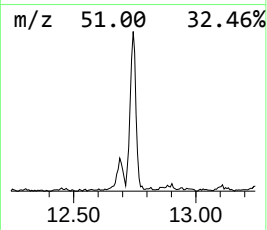
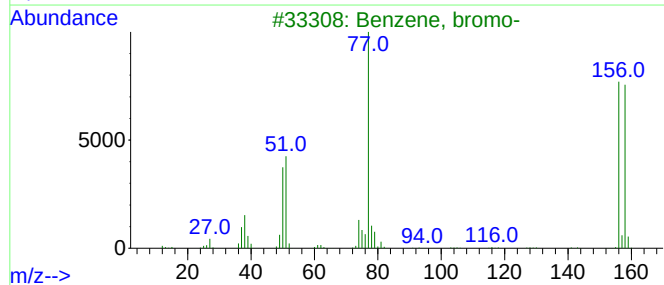
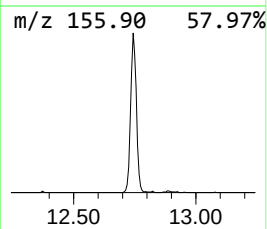
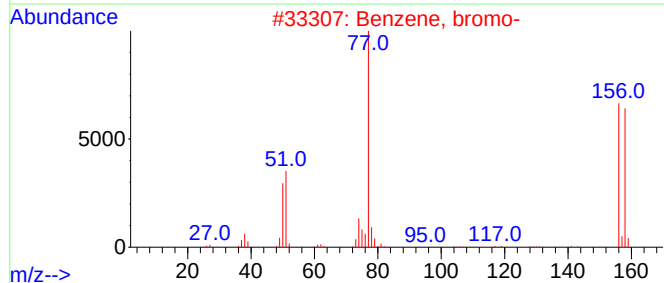
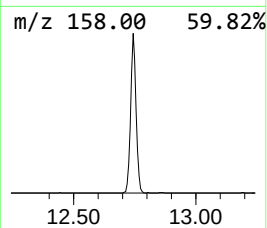
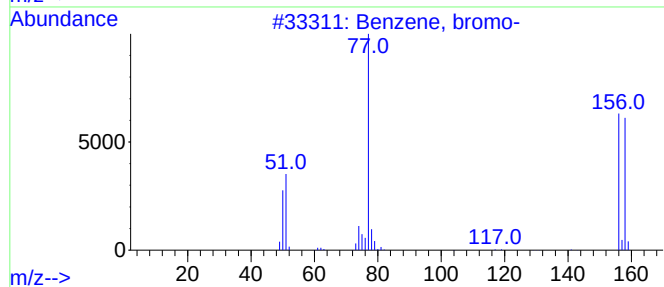
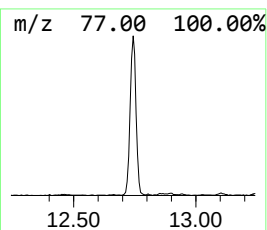
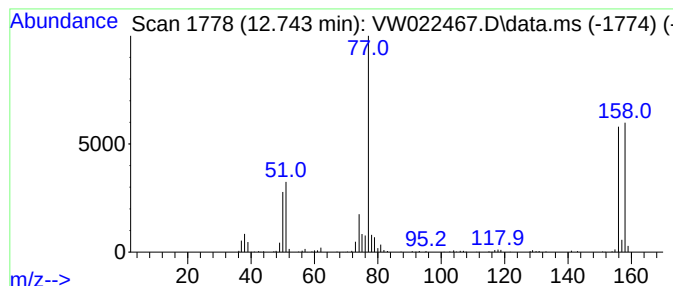
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 3 Benzene, bromo- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.743 | 4.69 ug/L | 232163 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 95   |
| 2    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 95   |
| 3    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 94   |
| 4    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 93   |
| 5    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

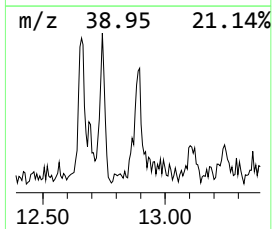
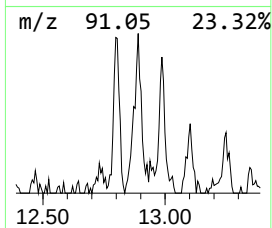
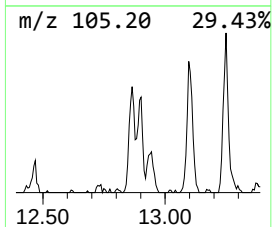
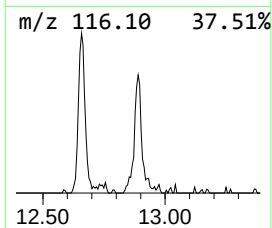
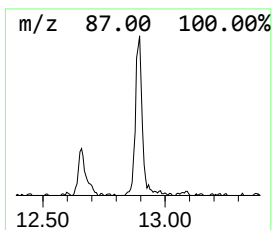
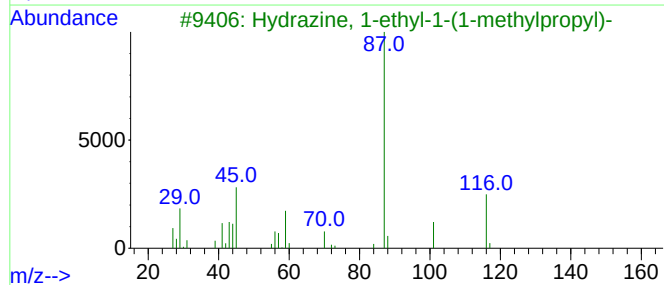
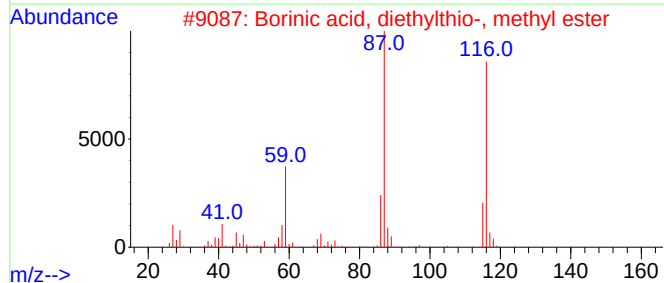
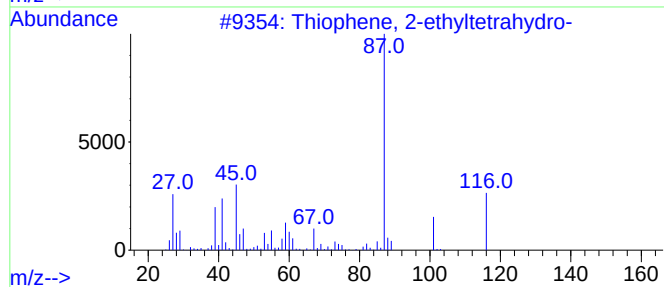
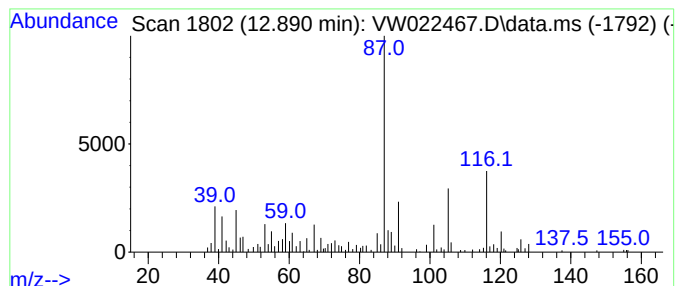
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 4 Thiophene, 2-ethyltetrahydro- Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.890 | 1.87 ug/L | 92659 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Thiophene, 2-ethyltetrahydro-       | 116 | C6H12S  | 001551-32-2 | 76   |
| 2    |    |   | Borinic acid, diethylthio-, meth... | 116 | C5H13BS | 092276-84-1 | 53   |
| 3    |    |   | Hydrazine, 1-ethyl-1-(1-methylpr... | 116 | C6H16N2 | 020325-97-7 | 53   |
| 4    |    |   | Thiophene, 2-butyltetrahydro-       | 144 | C8H16S  | 001613-49-6 | 50   |
| 5    |    |   | Hydrazine, 1,2-dipropyl-            | 116 | C6H16N2 | 001615-83-4 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

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

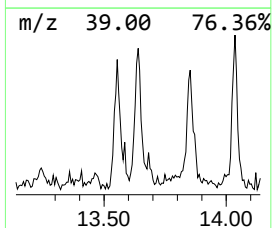
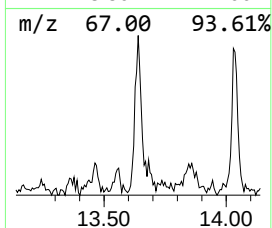
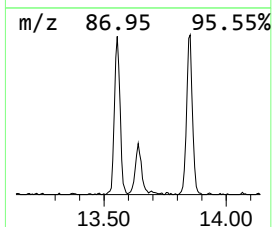
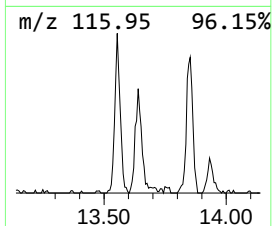
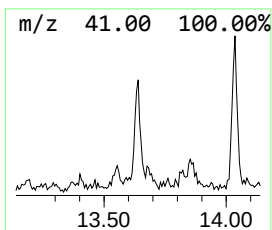
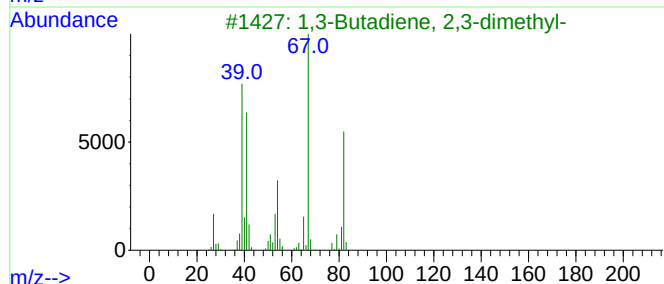
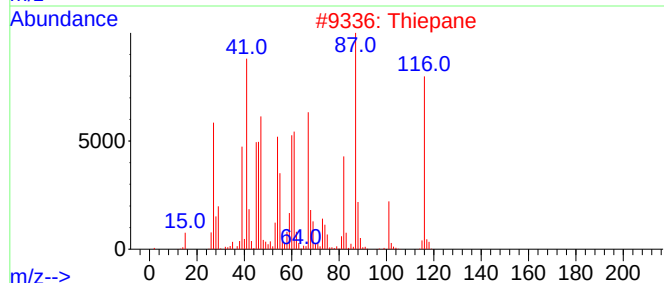
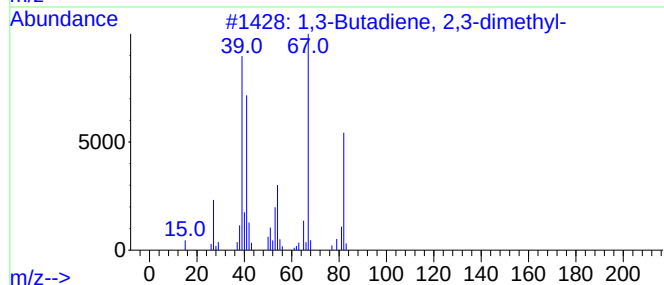
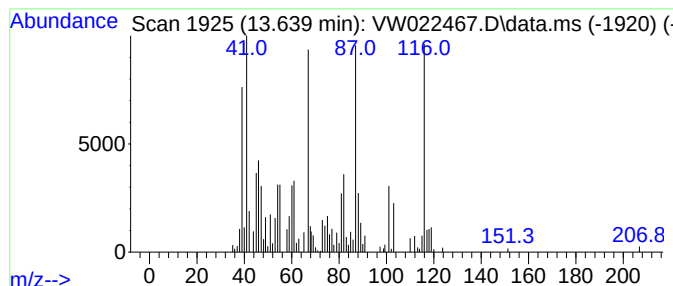
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown-01 Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.639 | 1.47 ug/L | 72625 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,3-Butadiene, 2,3-dimethyl-        | 82  | C6H10   | 000513-81-5 | 46   |
| 2    |    |   | Thiepane                            | 116 | C6H12S  | 004753-80-4 | 42   |
| 3    |    |   | 1,3-Butadiene, 2,3-dimethyl-        | 82  | C6H10   | 000513-81-5 | 37   |
| 4    |    |   | Cyclopropane, 1,1-dibromo-2,2-di... | 226 | C5H8Br2 | 032264-50-9 | 37   |
| 5    |    |   | 3-Ethylthiolane                     | 116 | C6H12S  | 062184-67-2 | 35   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

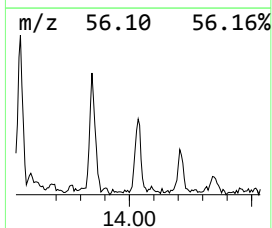
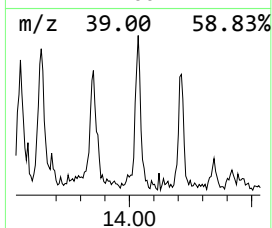
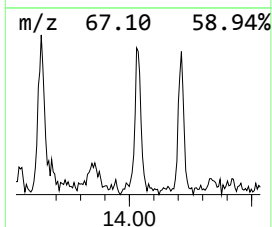
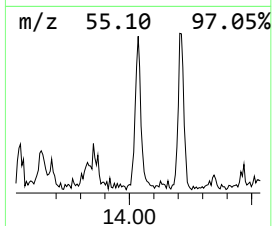
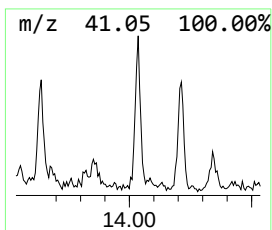
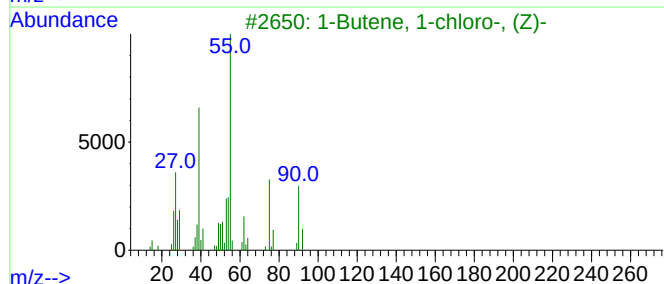
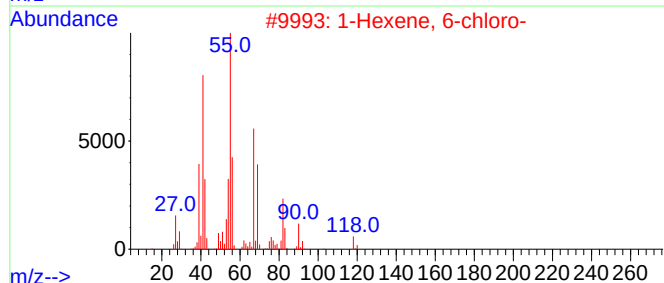
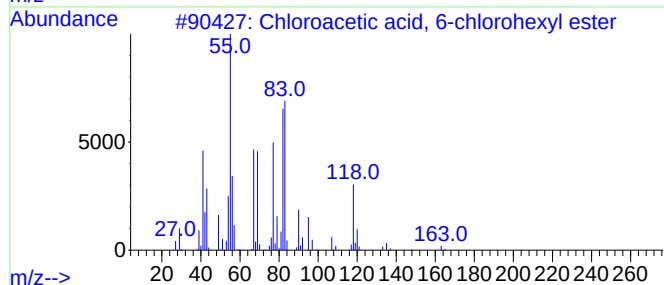
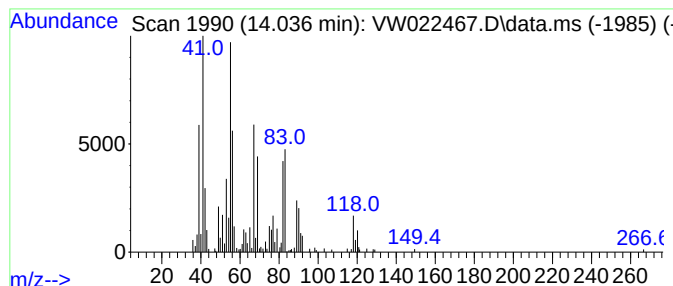
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 6 Chloroacetic acid, 6-chloro... Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.036 | 2.13 ug/L | 105430 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Chloroacetic acid, 6-chlorohexyl... | 212 | C8H14Cl2O2 | 1000330-85-5 | 50   |
| 2    |    |   | 1-Hexene, 6-chloro-                 | 118 | C6H11Cl    | 000928-89-2  | 43   |
| 3    |    |   | 1-Butene, 1-chloro-, (Z)-           | 90  | C4H7Cl     | 007611-86-1  | 25   |
| 4    |    |   | 1-Hexene, 3-chloro-                 | 118 | C6H11Cl    | 053101-38-5  | 14   |
| 5    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18     | 004863-59-6  | 12   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

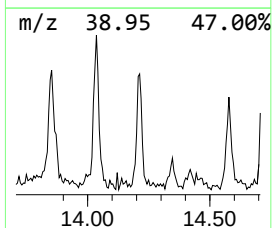
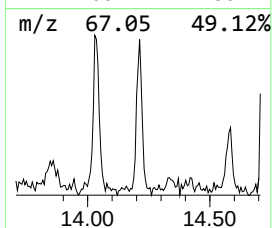
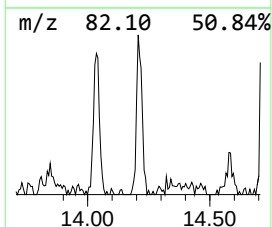
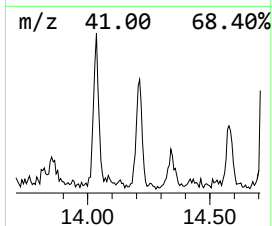
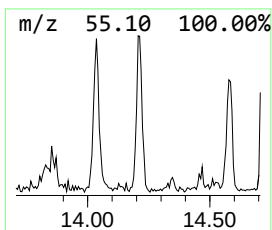
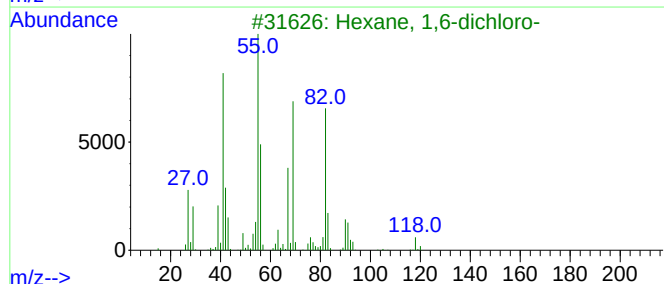
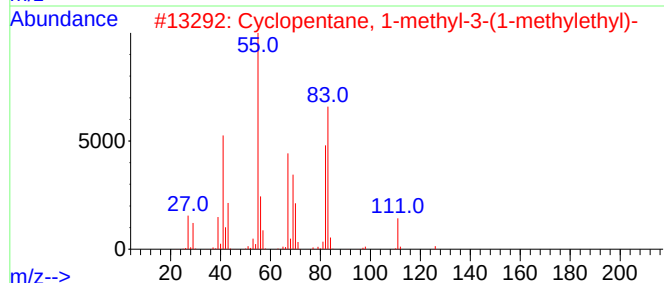
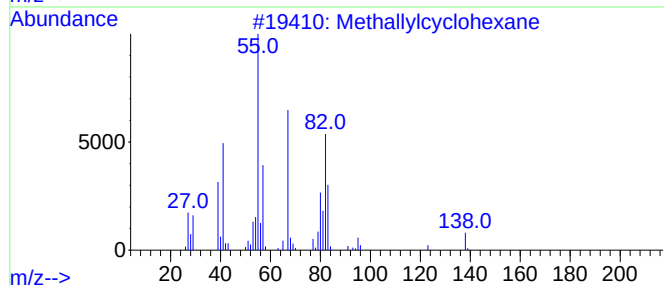
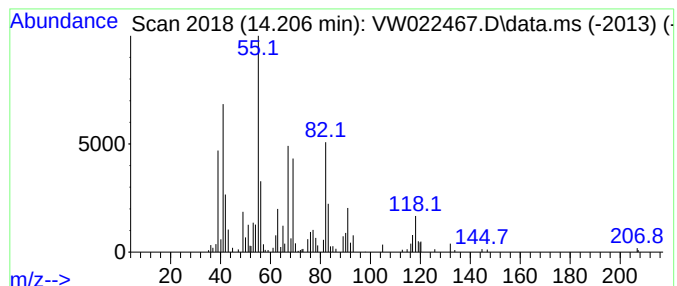
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Quant Title : SFAM01.0

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

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Peak Number 7 Methallylcyclohexane Concentration Rank 12

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.206 | 1.37 ug/L | 68065 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Methallylcyclohexane                | 138 | C10H18   | 003990-93-0  | 50   |
| 2    |    |   | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18    | 053771-88-3  | 47   |
| 3    |    |   | Hexane, 1,6-dichloro-               | 154 | C6H12Cl2 | 002163-00-0  | 47   |
| 4    |    |   | Glutaric acid, nonyl trans-hex-3... | 340 | C20H36O4 | 1000359-92-9 | 43   |
| 5    |    |   | Hexane, 1,2-dichloro-               | 154 | C6H12Cl2 | 002162-92-7  | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

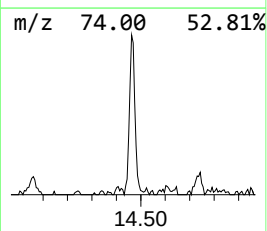
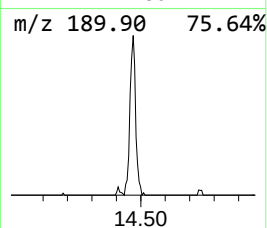
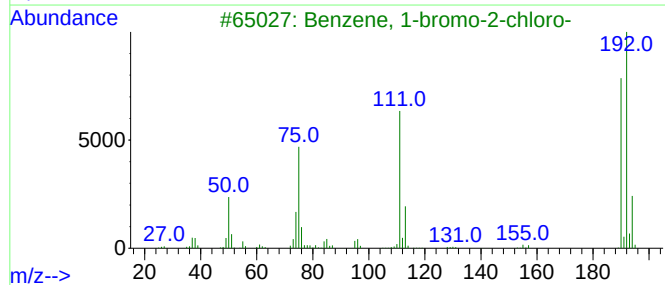
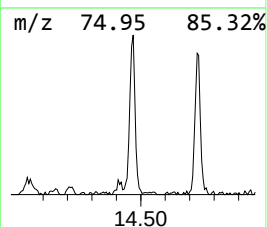
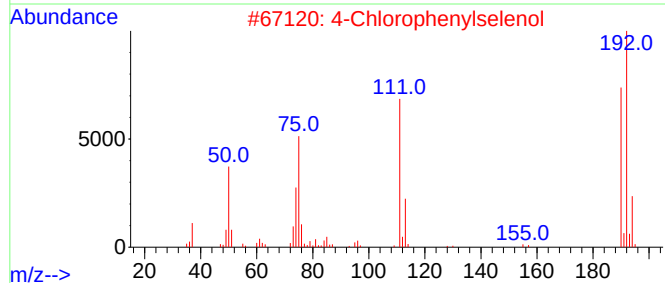
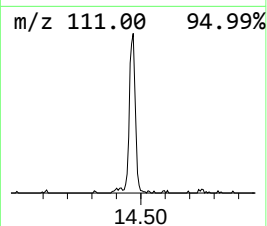
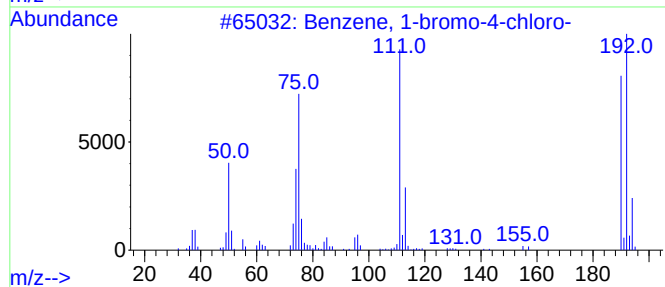
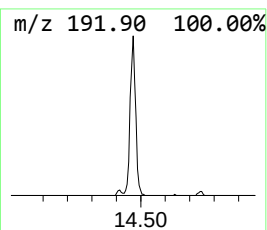
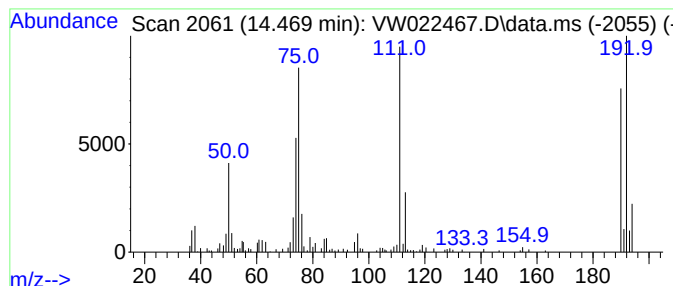
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 8 Benzene, 1-bromo-4-chloro- Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.469 | 1.90 ug/L | 94296 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1-bromo-4-chloro- | 190 | C6H4BrCl | 000106-39-8 | 95   |
| 2    |    |   | 4-Chlorophenylselenol      | 192 | C6H5ClSe | 016645-10-6 | 94   |
| 3    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 93   |
| 4    |    |   | Benzene, 1-bromo-3-chloro- | 190 | C6H4BrCl | 000108-37-2 | 93   |
| 5    |    |   | Benzene, 1-bromo-2-chloro- | 190 | C6H4BrCl | 000694-80-4 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

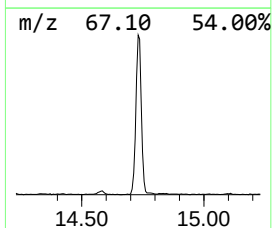
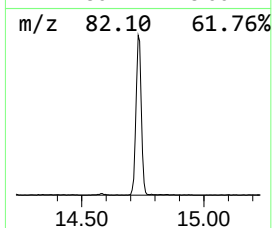
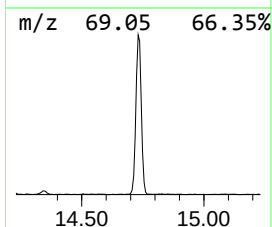
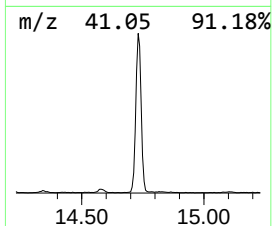
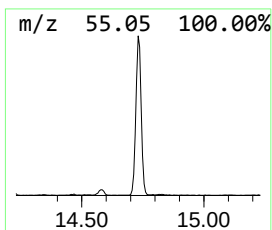
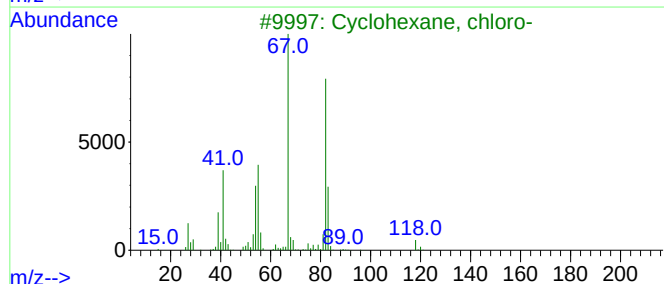
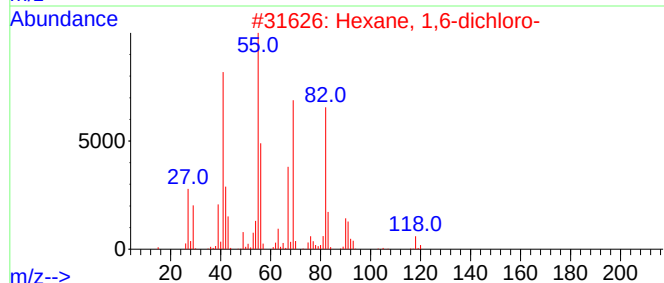
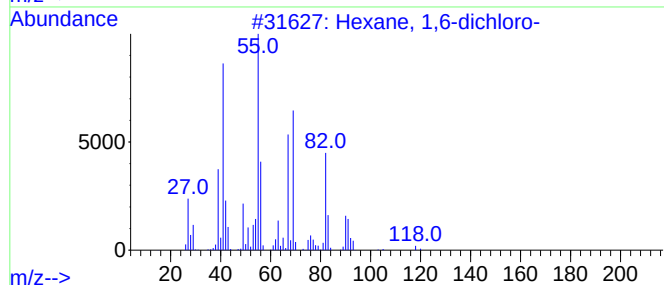
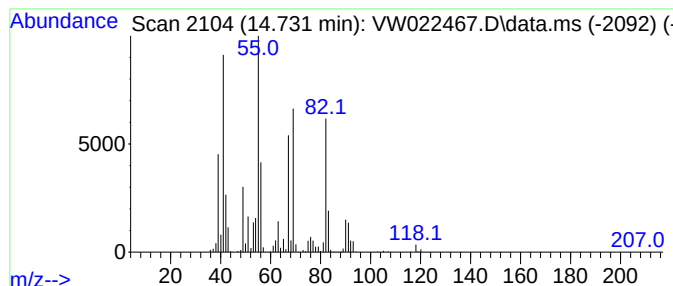
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Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 9 Hexane, 1,6-dichloro- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.731 | 25.74 ug/L | 1274640 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Hexane, 1,6-dichloro-               | 154 | C6H12Cl2  | 002163-00-0 | 83   |
| 2    |    |   | Hexane, 1,6-dichloro-               | 154 | C6H12Cl2  | 002163-00-0 | 38   |
| 3    |    |   | Cyclohexane, chloro-                | 118 | C6H11Cl   | 000542-18-7 | 38   |
| 4    |    |   | 1-Hexanol, 6-chloro-                | 136 | C6H13ClO  | 002009-83-8 | 22   |
| 5    |    |   | 2H-Pyran, 2-(4-chlorobutoxy)tetr... | 192 | C9H17ClO2 | 041302-05-0 | 16   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

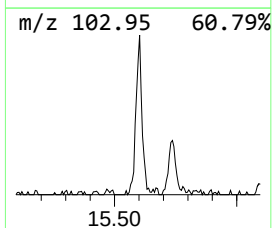
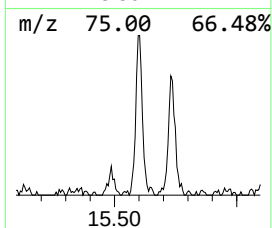
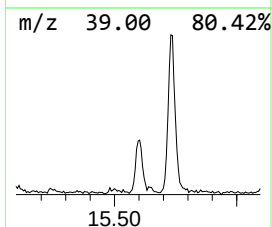
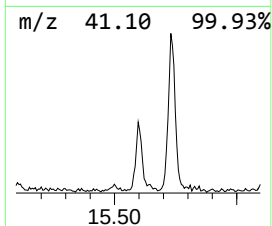
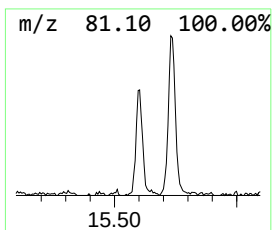
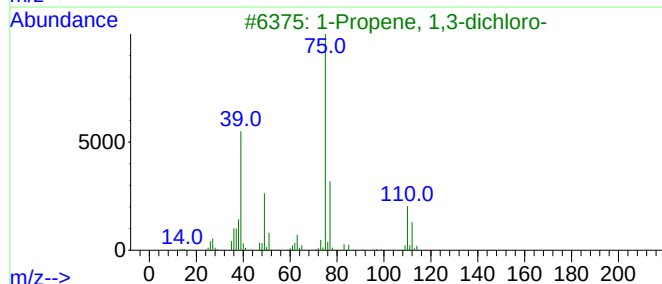
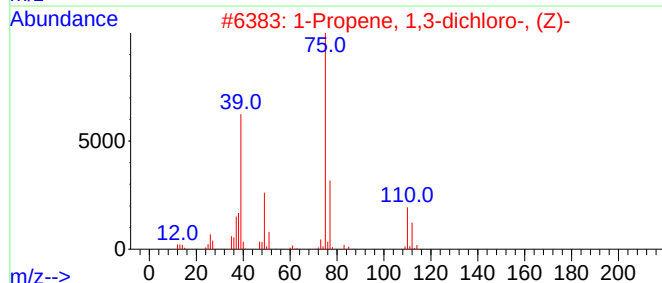
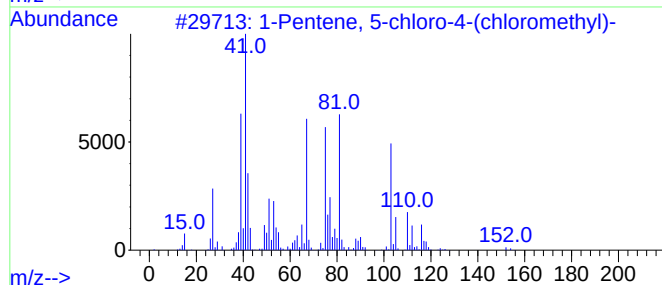
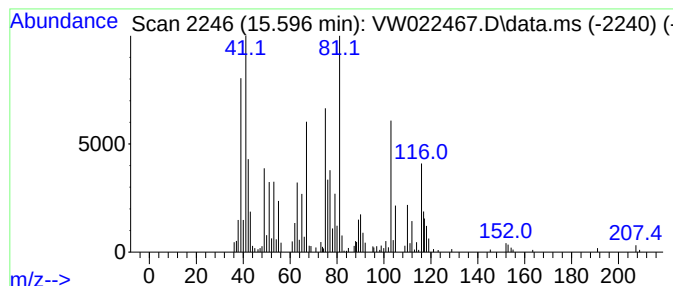
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Quant Title : SFAM01.0

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

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Peak Number 10 1-Pentene, 5-chloro-4-(chlo... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.596 | 2.52 ug/L | 124595 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 55   |
| 2    |      | 1-Propene, 1,3-dichloro-, (Z)-      | 110 | C3H4Cl2  | 010061-01-5 | 52   |
| 3    |      | 1-Propene, 1,3-dichloro-            | 110 | C3H4Cl2  | 000542-75-6 | 52   |
| 4    |      | 1-Propene, 2,3-dichloro-            | 110 | C3H4Cl2  | 000078-88-6 | 46   |
| 5    |      | 1,5-Hexadiene, 3-chloro-            | 116 | C6H9Cl   | 028374-86-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

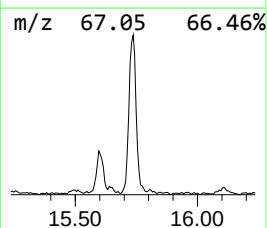
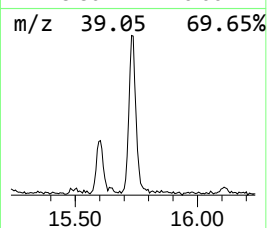
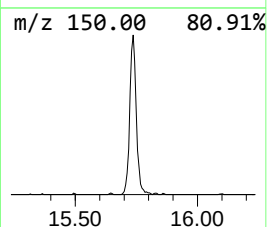
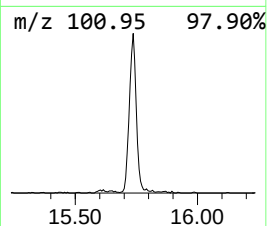
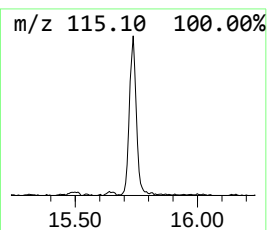
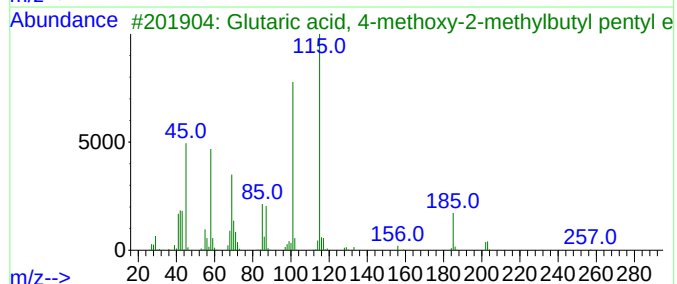
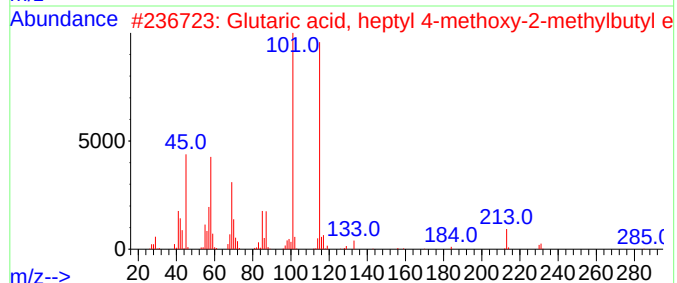
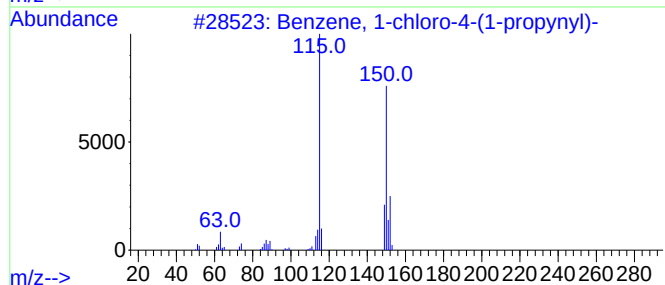
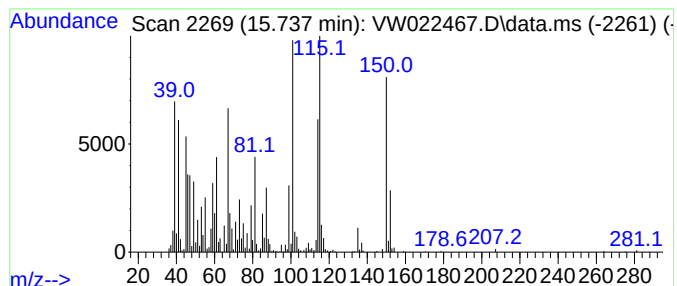
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Quant Title : SFAM01.0

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

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Peak Number 11 unknown-02 Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.737 | 10.57 ug/L | 523268 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzene, 1-chloro-4-(1-propynyl)- | 150 | C9H7Cl   | 002809-65-6  | 43   |
| 2    |    |   | Glutaric acid, heptyl 4-methoxy-  | 330 | C18H34O5 | 1000359-41-6 | 22   |
| 3    |    |   | Glutaric acid, 4-methoxy-2-methy- | 302 | C16H30O5 | 1000359-41-3 | 22   |
| 4    |    |   | Glutaric acid, isobutyl 4-methox- | 288 | C15H28O5 | 1000359-41-1 | 22   |
| 5    |    |   | Allyloxy-butyldimethylsilane      | 172 | C9H20OSi | 053379-15-0  | 14   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

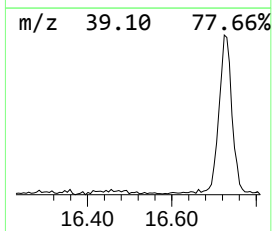
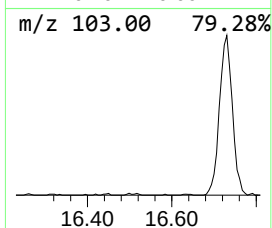
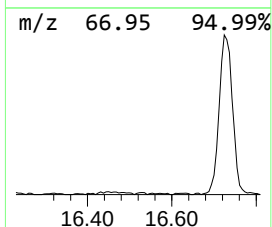
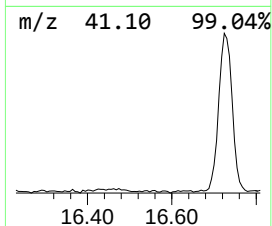
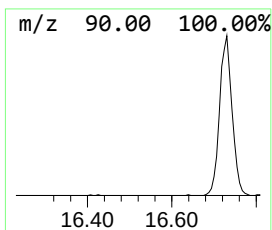
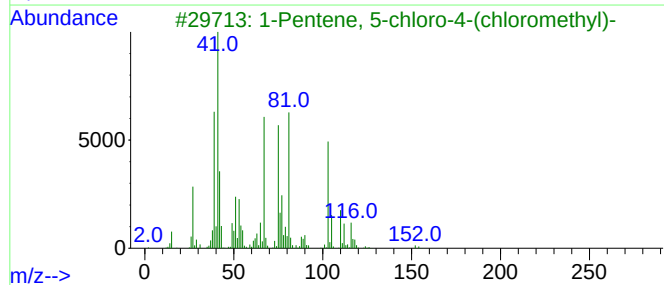
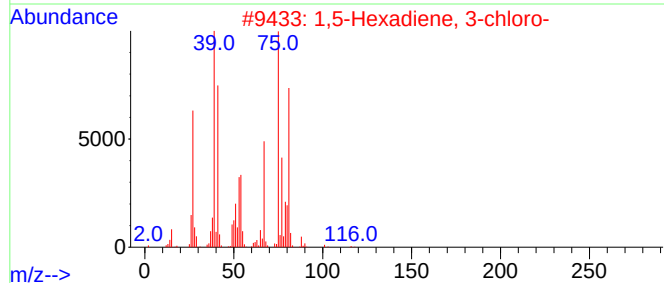
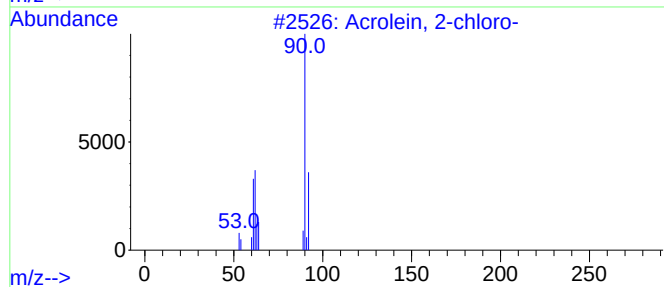
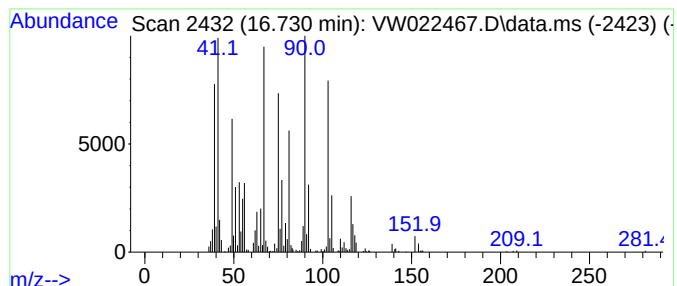
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Quant Title : SFAM01.0

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

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Peak Number 12 unknown-03 Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.730 | 7.29 ug/L | 360792 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | Acrolein, 2-chloro-                 | 90  | C3H3ClO  | 000683-51-2 | 37   |
| 2    |      | 1,5-Hexadiene, 3-chloro-            | 116 | C6H9Cl   | 028374-86-9 | 27   |
| 3    |      | 1-Pentene, 5-chloro-4-(chloromet... | 152 | C6H10Cl2 | 027990-74-5 | 25   |
| 4    |      | 1,5-Hexadiene                       | 82  | C6H10    | 000592-42-7 | 22   |
| 5    |      | Pent-2-ynal, 4,4-dimethyl-          | 110 | C7H10O   | 002579-21-7 | 16   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
Data File : VW022467.D  
Acq On : 08 Apr 2022 16:31  
Operator : SY/VA  
Sample : N2293-15  
Misc : 6.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP3

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| (DEL) Alkane: S... | 1.959  | 16.8    | ug/L  | 630161   | 1                     | 8.841  | 937131  | 25.0 |
| Benzene, bromo-    | 12.743 | 4.7     | ug/L  | 232163   | 3                     | 13.560 | 1237880 | 25.0 |
| Thiophene, 2-et... | 12.890 | 1.9     | ug/L  | 92659    | 3                     | 13.560 | 1237880 | 25.0 |
| unknown-01         | 13.639 | 1.5     | ug/L  | 72625    | 3                     | 13.560 | 1237880 | 25.0 |
| Chloroacetic ac... | 14.036 | 2.1     | ug/L  | 105430   | 3                     | 13.560 | 1237880 | 25.0 |
| Methallylcycloh... | 14.206 | 1.4     | ug/L  | 68065    | 3                     | 13.560 | 1237880 | 25.0 |
| Benzene, 1-brom... | 14.469 | 1.9     | ug/L  | 94296    | 3                     | 13.560 | 1237880 | 25.0 |
| Hexane, 1,6-dic... | 14.731 | 25.7    | ug/L  | 1274640  | 3                     | 13.560 | 1237880 | 25.0 |
| 1-Pentene, 5-ch... | 15.596 | 2.5     | ug/L  | 124595   | 3                     | 13.560 | 1237880 | 25.0 |
| unknown-02         | 15.737 | 10.6    | ug/L  | 523268   | 3                     | 13.560 | 1237880 | 25.0 |
| unknown-03         | 16.730 | 7.3     | ug/L  | 360792   | 3                     | 13.560 | 1237880 | 25.0 |