

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\Vw120621\  
 Data File : VW021192.D  
 Acq On : 07 Dec 2021 01:15  
 Operator : SY/VA  
 Sample : M4888-05  
 Misc : 5.80g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8B2

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\SFAMWLM120321SMA.M  
 Title : SFAM01.0

Signal : TIC: VW021192.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.349       | 68            | 73          | 81           | rVB      | 40803          | 65951         | 4.39%           | 1.971%        |
| 2         | 2.885       | 155           | 161         | 171          | rVB      | 19854          | 42539         | 2.83%           | 1.271%        |
| 3         | 4.019       | 337           | 347         | 361          | rBV      | 38206          | 112985        | 7.53%           | 3.377%        |
| 4         | 4.385       | 400           | 407         | 408          | rBV2     | 938            | 1634          | 0.11%           | 0.049%        |
| 5         | 4.598       | 438           | 442         | 443          | rBV2     | 306            | 338           | 0.02%           | 0.010%        |
| 6         | 4.775       | 470           | 471         | 474          | rBV2     | 97             | 102           | 0.01%           | 0.003%        |
| 7         | 4.922       | 484           | 495         | 507          | rBV      | 6859           | 22352         | 1.49%           | 0.668%        |
| 8         | 5.025       | 510           | 512         | 515          | rBB      | 122            | 134           | 0.01%           | 0.004%        |
| 9         | 5.050       | 515           | 516         | 521          | rBV      | 86             | 149           | 0.01%           | 0.004%        |
| 10        | 5.245       | 545           | 548         | 550          | rBV      | 92             | 124           | 0.01%           | 0.004%        |
| 11        | 5.379       | 568           | 570         | 572          | rBV      | 94             | 104           | 0.01%           | 0.003%        |
| 12        | 5.738       | 628           | 629         | 632          | rBB      | 142            | 95            | 0.01%           | 0.003%        |
| 13        | 5.806       | 639           | 640         | 642          | rBV      | 132            | 101           | 0.01%           | 0.003%        |
| 14        | 6.086       | 684           | 686         | 688          | rBV      | 125            | 115           | 0.01%           | 0.003%        |
| 15        | 6.251       | 711           | 713         | 716          | rBV      | 74             | 118           | 0.01%           | 0.004%        |
| 16        | 6.415       | 737           | 740         | 742          | rBB      | 112            | 142           | 0.01%           | 0.004%        |
| 17        | 6.744       | 791           | 794         | 797          | rBB      | 107            | 129           | 0.01%           | 0.004%        |
| 18        | 6.891       | 816           | 818         | 820          | rBB      | 131            | 97            | 0.01%           | 0.003%        |
| 19        | 6.976       | 824           | 832         | 841          | rBB5     | 880            | 2278          | 0.15%           | 0.068%        |
| 20        | 7.080       | 841           | 849         | 853          | rBV      | 3877           | 10436         | 0.70%           | 0.312%        |
| 21        | 7.458       | 909           | 911         | 913          | rBV      | 76             | 98            | 0.01%           | 0.003%        |
| 22        | 7.500       | 917           | 918         | 921          | rBB      | 144            | 131           | 0.01%           | 0.004%        |
| 23        | 7.574       | 927           | 930         | 932          | rBV      | 79             | 126           | 0.01%           | 0.004%        |
| 24        | 7.647       | 932           | 942         | 954          | rVB      | 55689          | 137939        | 9.19%           | 4.123%        |
| 25        | 7.952       | 986           | 992         | 999          | rBB3     | 1249           | 2810          | 0.19%           | 0.084%        |
| 26        | 8.031       | 1004          | 1005        | 1006         | rBV3     | 215            | 97            | 0.01%           | 0.003%        |
| 27        | 8.110       | 1014          | 1018        | 1020         | rBB3     | 65             | 85            | 0.01%           | 0.003%        |
| 28        | 8.201       | 1031          | 1033        | 1034         | rBV3     | 122            | 125           | 0.01%           | 0.004%        |
| 29        | 8.275       | 1035          | 1045        | 1059         | rBV2     | 104433         | 302087        | 20.13%          | 9.028%        |
| 30        | 8.695       | 1113          | 1114        | 1117         | rBB2     | 184            | 128           | 0.01%           | 0.004%        |
| 31        | 8.842       | 1130          | 1138        | 1150         | rBV      | 85020          | 162022        | 10.80%          | 4.842%        |
| 32        | 9.092       | 1171          | 1179        | 1189         | rBB      | 121935         | 231849        | 15.45%          | 6.929%        |
| 33        | 9.171       | 1189          | 1192        | 1194         | rBB      | 64             | 82            | 0.01%           | 0.002%        |
| 34        | 9.195       | 1194          | 1196        | 1199         | rBB      | 137            | 132           | 0.01%           | 0.004%        |
| 35        | 9.274       | 1199          | 1209        | 1216         | rBV      | 71627          | 143764        | 9.58%           | 4.297%        |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8B2

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\SFAMWLM120321SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 36 | 9.409  | 1229 | 1231 | 1234 | rBB  | 115    | 115     | 0.01%   | 0.003%  |
| 37 | 9.488  | 1242 | 1244 | 1246 | rBB  | 140    | 93      | 0.01%   | 0.003%  |
| 38 | 9.518  | 1246 | 1249 | 1250 | rBV  | 93     | 98      | 0.01%   | 0.003%  |
| 39 | 9.890  | 1308 | 1310 | 1313 | rVV  | 111    | 99      | 0.01%   | 0.003%  |
| 40 | 10.036 | 1327 | 1334 | 1341 | rBB2 | 20827  | 37056   | 2.47%   | 1.107%  |
| 41 | 10.104 | 1342 | 1345 | 1349 | rBB2 | 133    | 123     | 0.01%   | 0.004%  |
| 42 | 10.207 | 1360 | 1362 | 1365 | rVB  | 233    | 150     | 0.01%   | 0.004%  |
| 43 | 10.262 | 1370 | 1371 | 1374 | rBV  | 118    | 126     | 0.01%   | 0.004%  |
| 44 | 10.323 | 1374 | 1381 | 1387 | rBV  | 110982 | 192131  | 12.80%  | 5.742%  |
| 45 | 10.488 | 1403 | 1408 | 1409 | rBV  | 159    | 159     | 0.01%   | 0.005%  |
| 46 | 10.579 | 1417 | 1423 | 1430 | rBB  | 9832   | 16118   | 1.07%   | 0.482%  |
| 47 | 10.658 | 1433 | 1436 | 1437 | rBV  | 371    | 378     | 0.03%   | 0.011%  |
| 48 | 10.701 | 1438 | 1443 | 1451 | rVB2 | 5312   | 9072    | 0.60%   | 0.271%  |
| 49 | 10.860 | 1461 | 1469 | 1476 | rBV  | 868411 | 1500694 | 100.00% | 44.851% |
| 50 | 11.061 | 1498 | 1502 | 1508 | rBV  | 2887   | 4512    | 0.30%   | 0.135%  |
| 51 | 11.183 | 1514 | 1522 | 1525 | rVB2 | 720    | 1089    | 0.07%   | 0.033%  |
| 52 | 11.231 | 1525 | 1530 | 1534 | rBB2 | 1003   | 1617    | 0.11%   | 0.048%  |
| 53 | 11.335 | 1546 | 1547 | 1549 | rBB2 | 146    | 102     | 0.01%   | 0.003%  |
| 54 | 11.439 | 1558 | 1564 | 1569 | rBB2 | 3724   | 6065    | 0.40%   | 0.181%  |
| 55 | 11.561 | 1583 | 1584 | 1589 | rBV  | 61     | 125     | 0.01%   | 0.004%  |
| 56 | 11.628 | 1589 | 1595 | 1603 | rVB  | 63946  | 106618  | 7.10%   | 3.186%  |
| 57 | 11.725 | 1606 | 1611 | 1616 | rBV  | 948    | 1790    | 0.12%   | 0.053%  |
| 58 | 11.829 | 1623 | 1628 | 1637 | rBV  | 4279   | 7437    | 0.50%   | 0.222%  |
| 59 | 12.164 | 1676 | 1683 | 1689 | rBB  | 3858   | 6043    | 0.40%   | 0.181%  |
| 60 | 12.237 | 1692 | 1695 | 1698 | rBV  | 67     | 129     | 0.01%   | 0.004%  |
| 61 | 12.335 | 1706 | 1711 | 1715 | rBV3 | 847    | 1348    | 0.09%   | 0.040%  |
| 62 | 12.469 | 1728 | 1733 | 1738 | rBV  | 7309   | 10883   | 0.73%   | 0.325%  |
| 63 | 12.560 | 1745 | 1748 | 1750 | rBV  | 86     | 130     | 0.01%   | 0.004%  |
| 64 | 12.603 | 1750 | 1755 | 1761 | rVB  | 20481  | 31408   | 2.09%   | 0.939%  |
| 65 | 12.688 | 1762 | 1769 | 1776 | rBV  | 34475  | 55940   | 3.73%   | 1.672%  |
| 66 | 12.774 | 1780 | 1783 | 1784 | rBB  | 108    | 106     | 0.01%   | 0.003%  |
| 67 | 12.792 | 1784 | 1786 | 1791 | rBB  | 307    | 403     | 0.03%   | 0.012%  |
| 68 | 12.865 | 1794 | 1798 | 1805 | rVV3 | 409    | 710     | 0.05%   | 0.021%  |
| 69 | 12.932 | 1805 | 1809 | 1814 | rVV3 | 6015   | 9255    | 0.62%   | 0.277%  |
| 70 | 13.024 | 1820 | 1824 | 1828 | rBB2 | 706    | 934     | 0.06%   | 0.028%  |
| 71 | 13.097 | 1833 | 1836 | 1841 | rVV  | 307    | 433     | 0.03%   | 0.013%  |
| 72 | 13.188 | 1848 | 1851 | 1854 | rBB  | 340    | 338     | 0.02%   | 0.010%  |
| 73 | 13.249 | 1855 | 1861 | 1864 | rBV  | 865    | 1308    | 0.09%   | 0.039%  |
| 74 | 13.292 | 1864 | 1868 | 1873 | rVV  | 3209   | 4158    | 0.28%   | 0.124%  |
| 75 | 13.353 | 1876 | 1878 | 1881 | rBV  | 67     | 105     | 0.01%   | 0.003%  |

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 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EX8B2

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\SFAMWLM120321SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 76  | 13.402 | 1883 | 1886 | 1891 | rBB3 | 336   | 529   | 0.04% | 0.016% |
| 77  | 13.505 | 1898 | 1903 | 1905 | rBV  | 150   | 245   | 0.02% | 0.007% |
| 78  | 13.554 | 1905 | 1911 | 1924 | rVB  | 21378 | 35525 | 2.37% | 1.062% |
| 79  | 13.755 | 1939 | 1944 | 1947 | rBB2 | 330   | 471   | 0.03% | 0.014% |
| 80  | 13.786 | 1947 | 1949 | 1953 | rBB  | 90    | 105   | 0.01% | 0.003% |
| 81  | 13.853 | 1954 | 1960 | 1966 | rBB  | 20929 | 34334 | 2.29% | 1.026% |
| 82  | 13.902 | 1966 | 1968 | 1971 | rBV  | 202   | 217   | 0.01% | 0.006% |
| 83  | 13.999 | 1981 | 1984 | 1985 | rBV  | 98    | 112   | 0.01% | 0.003% |
| 84  | 14.066 | 1990 | 1995 | 2004 | rVB  | 6789  | 11654 | 0.78% | 0.348% |
| 85  | 14.188 | 2013 | 2015 | 2019 | rBV  | 153   | 254   | 0.02% | 0.008% |
| 86  | 14.304 | 2031 | 2034 | 2035 | rBV  | 150   | 179   | 0.01% | 0.005% |
| 87  | 14.402 | 2048 | 2050 | 2051 | rBV  | 140   | 122   | 0.01% | 0.004% |
| 88  | 14.414 | 2051 | 2052 | 2055 | rVB2 | 250   | 194   | 0.01% | 0.006% |
| 89  | 14.487 | 2062 | 2064 | 2066 | rBV  | 97    | 94    | 0.01% | 0.003% |
| 90  | 14.719 | 2099 | 2102 | 2105 | rVB3 | 880   | 1235  | 0.08% | 0.037% |
| 91  | 14.828 | 2118 | 2120 | 2124 | rVB  | 198   | 150   | 0.01% | 0.004% |
| 92  | 14.859 | 2124 | 2125 | 2127 | rVB  | 207   | 129   | 0.01% | 0.004% |
| 93  | 14.938 | 2136 | 2138 | 2140 | rBB  | 87    | 83    | 0.01% | 0.002% |
| 94  | 14.962 | 2141 | 2142 | 2145 | rBV  | 184   | 190   | 0.01% | 0.006% |
| 95  | 15.078 | 2159 | 2161 | 2162 | rBV  | 172   | 110   | 0.01% | 0.003% |
| 96  | 15.255 | 2187 | 2190 | 2191 | rBV  | 124   | 133   | 0.01% | 0.004% |
| 97  | 15.432 | 2214 | 2219 | 2223 | rBV2 | 3745  | 5707  | 0.38% | 0.171% |
| 98  | 15.487 | 2223 | 2228 | 2235 | rVB  | 1720  | 2948  | 0.20% | 0.088% |
| 99  | 15.542 | 2235 | 2237 | 2242 | rBV2 | 255   | 302   | 0.02% | 0.009% |
| 100 | 15.779 | 2274 | 2276 | 2281 | rBV2 | 164   | 157   | 0.01% | 0.005% |

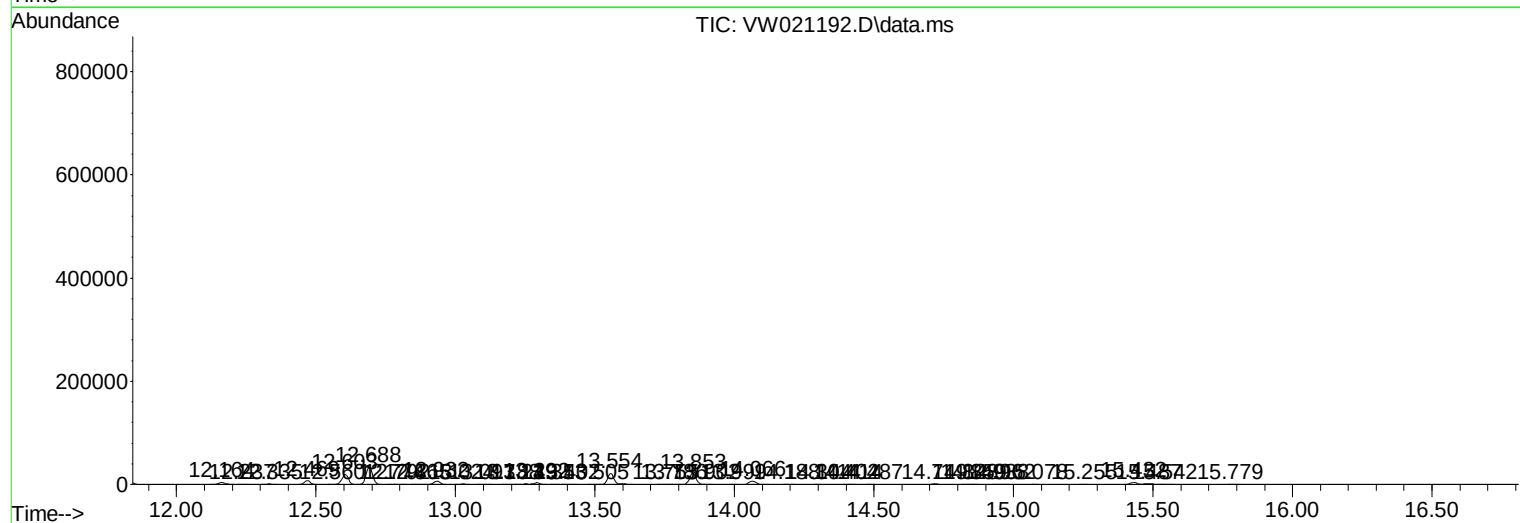
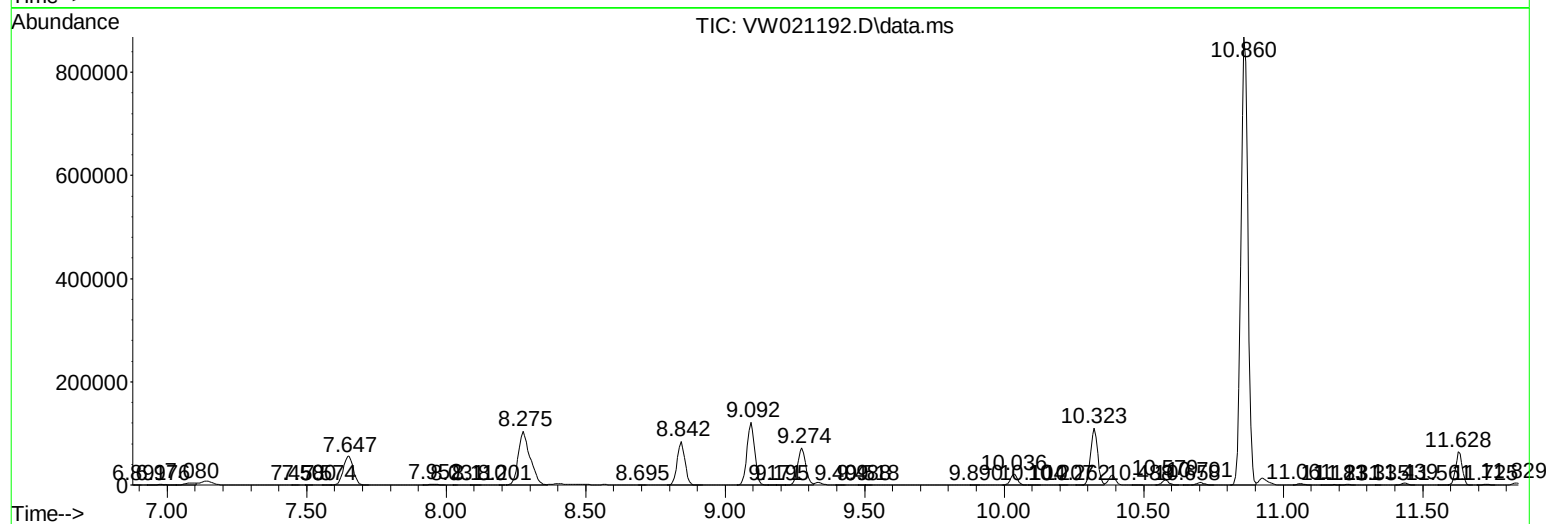
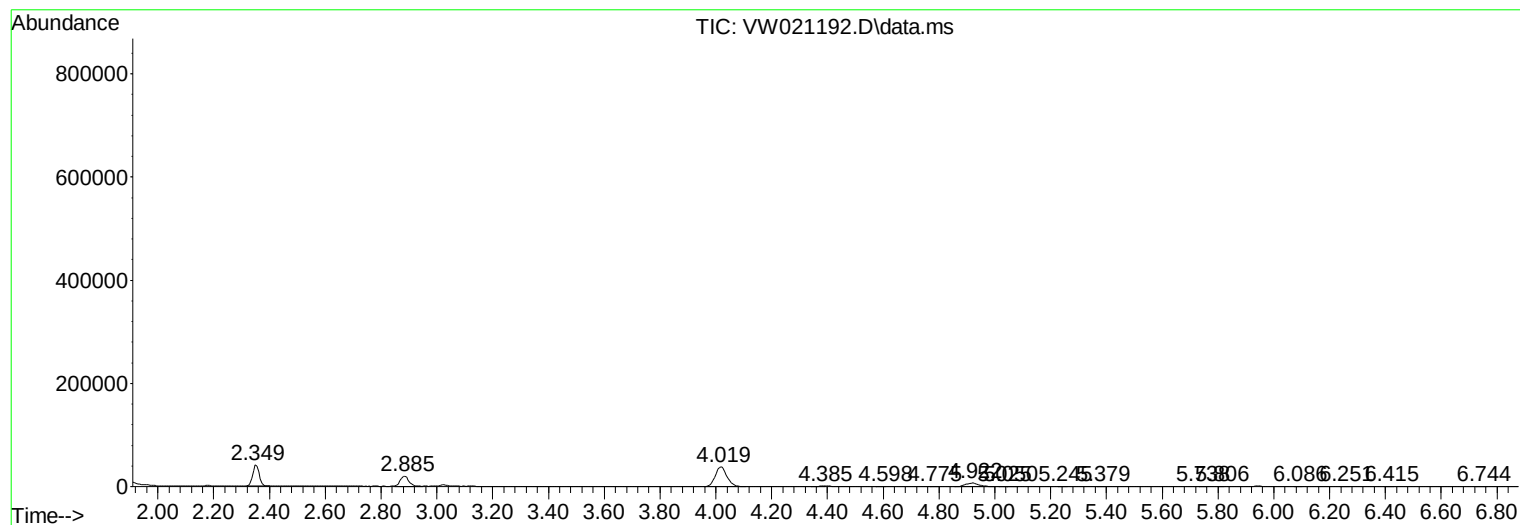
Sum of corrected areas: 3345975

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Instrument :  
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EX8B2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
Data File : VW021192.D  
Acq On : 07 Dec 2021 01:15  
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ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8B2

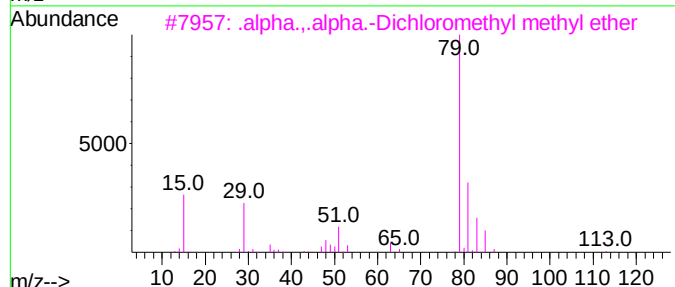
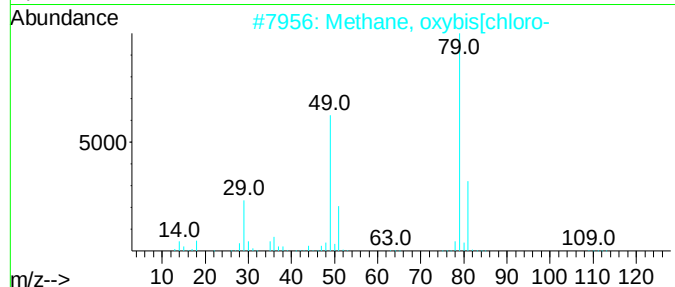
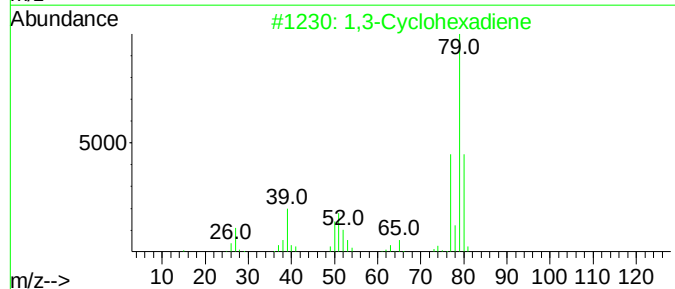
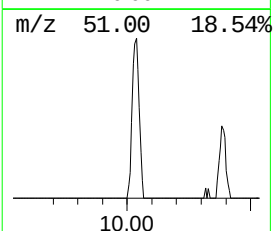
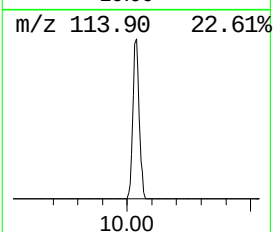
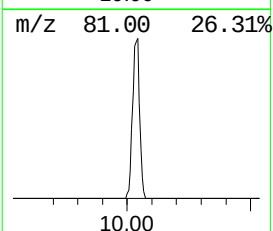
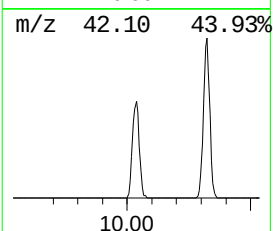
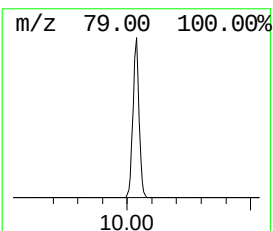
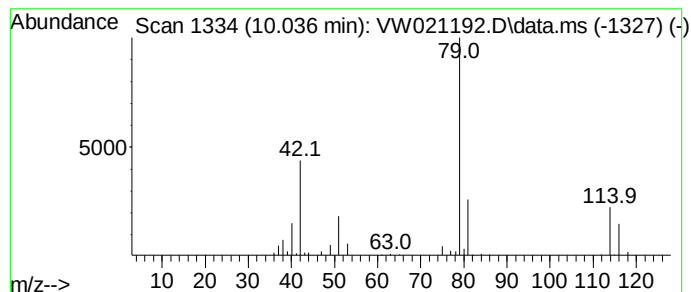
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 1 unknown-01 Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD    | R.T.  |
|--------|-----------|-------|---------------------|-------|
| 10.037 | 5.72 ug/L | 37056 | 1,4-Difluorobenzene | 8.842 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|-----------|-------------------------------------|-----|----------|-------------|------|
| 1         | 1,3-Cyclohexadiene                  | 80  | C6H8     | 000592-57-4 | 25   |
| 2         | Methane, oxybis[chloro-             | 114 | C2H4Cl2O | 000542-88-1 | 25   |
| 3         | .alpha.,.alpha.-Dichloromethyl m... | 114 | C2H4Cl2O | 004885-02-3 | 25   |
| 4         | 1,3-Cyclohexadiene                  | 80  | C6H8     | 000592-57-4 | 25   |
| 5         | 2-Propanol, 1,3-dichloro-           | 128 | C3H6Cl2O | 000096-23-1 | 23   |



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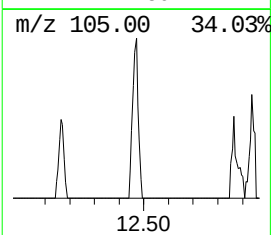
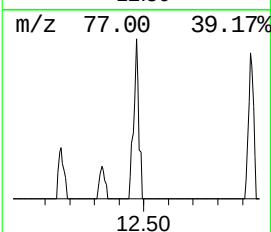
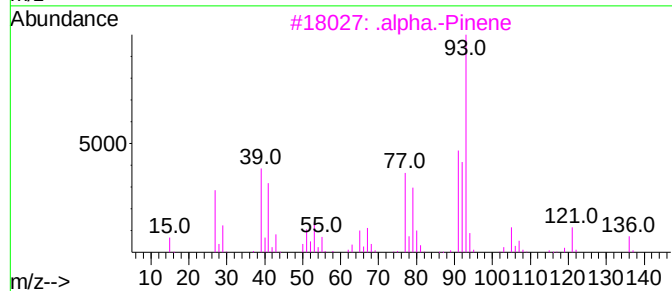
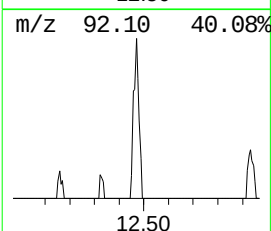
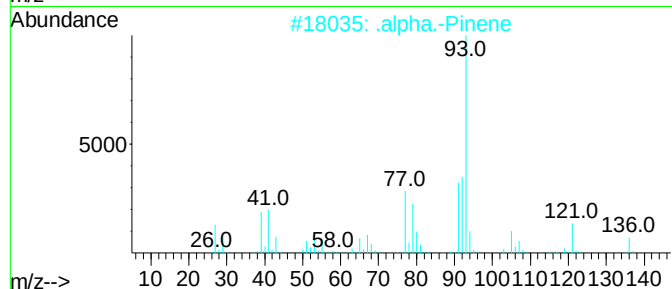
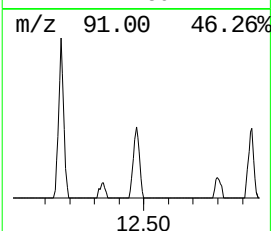
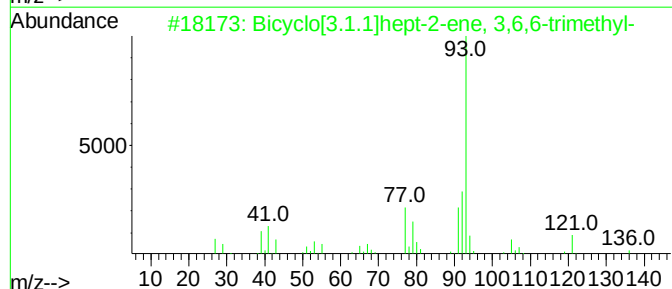
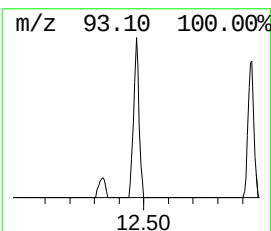
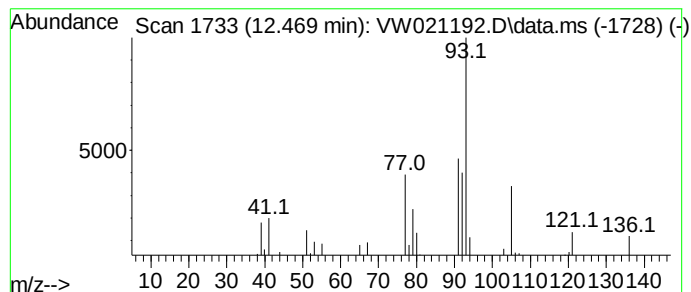
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 4 Bicyclo[3.1.1]hept-2-ene, 3... Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 12.469 | 2.55 ug/L | 10883 | Chlorobenzene-d5 | 11.628 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 90   |
| 2    |    |   | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 90   |
| 3    |    |   | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 90   |
| 4    |    |   | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 81   |
| 5    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-70-8 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
Data File : VW021192.D  
Acq On : 07 Dec 2021 01:15  
Operator : SY/VA  
Sample : M4888-05  
Misc : 5.80g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8B2

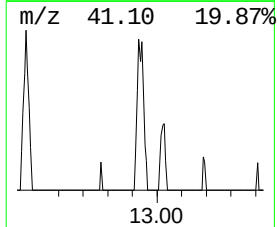
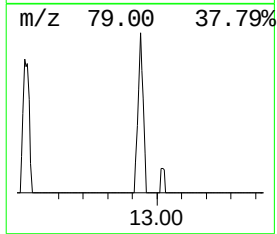
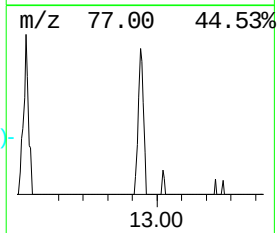
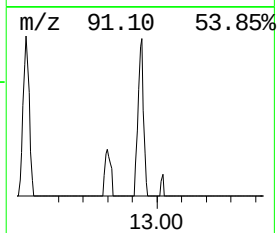
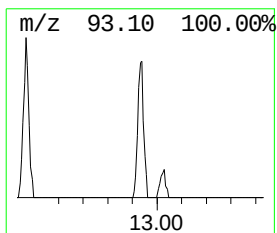
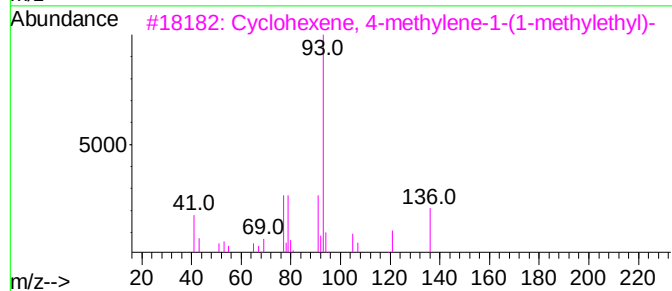
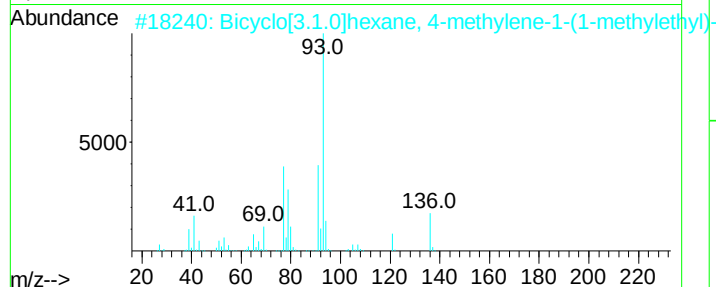
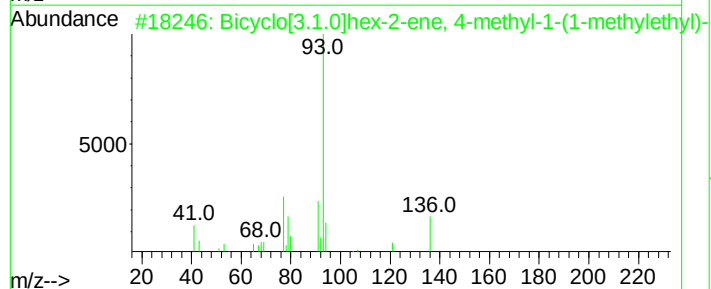
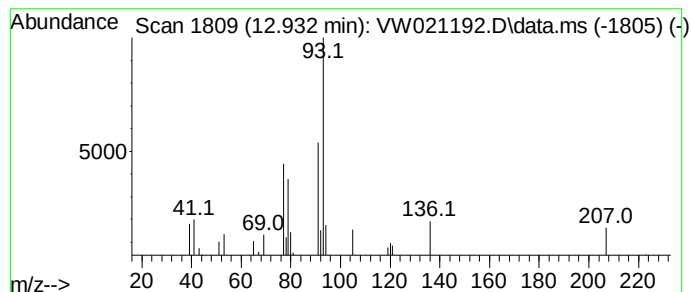
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Quant Title : SFAM01.0

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

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Peak Number 6 Bicyclo[3.1.0]hex-2-ene, 4-... Concentration Rank 3

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 12.932 | 6.51 ug/L | 9255 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------------|-----|---------|-------------|------|
| 1         | Bicyclo[3.1.0]hex-2-ene, 4-methy... | 136 | C10H16  | 028634-89-1 | 87   |
| 2         | Bicyclo[3.1.0]hexane, 4-methylen... | 136 | C10H16  | 003387-41-5 | 87   |
| 3         | Cyclohexene, 4-methylene-1-(1-me... | 136 | C10H16  | 000099-84-3 | 87   |
| 4         | .beta.-Phellandrene                 | 136 | C10H16  | 000555-10-2 | 80   |
| 5         | 3-Carene                            | 136 | C10H16  | 013466-78-9 | 74   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
Data File : VW021192.D  
Acq On : 07 Dec 2021 01:15  
Operator : SY/VA  
Sample : M4888-05  
Misc : 5.80g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8B2

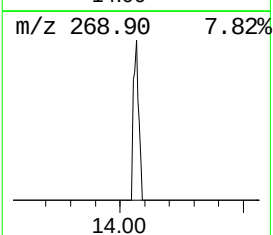
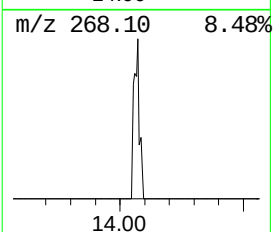
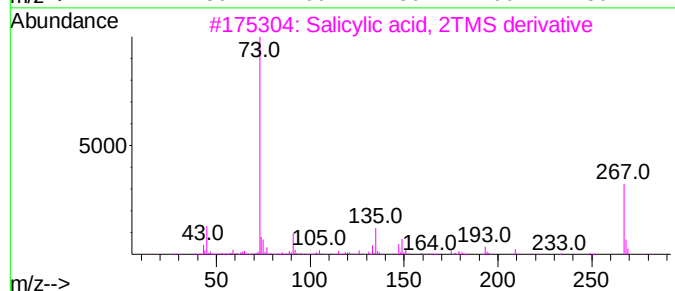
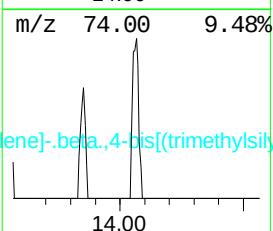
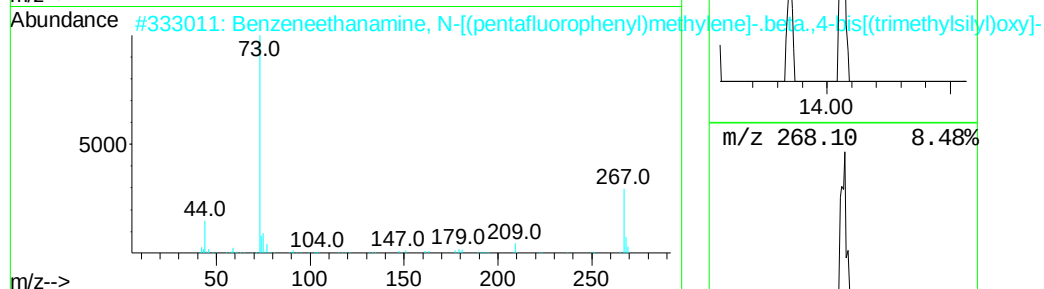
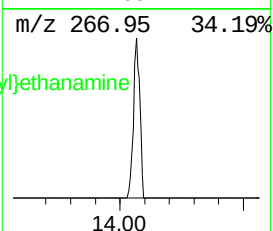
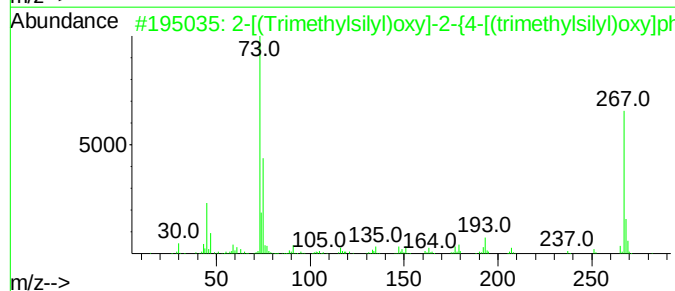
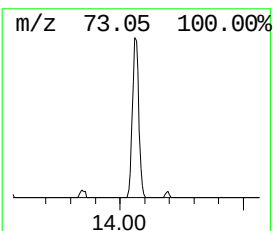
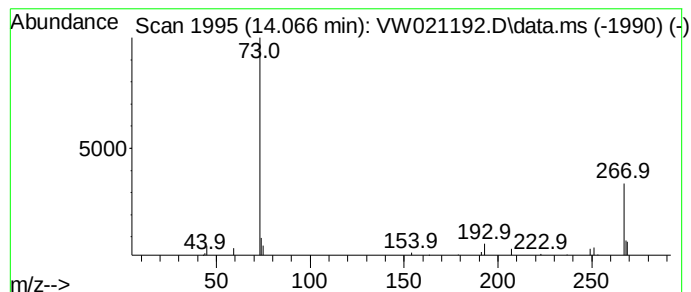
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Quant Title : SFAM01.0

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

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Peak Number 7 unknown-02 Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.066 | 8.20 ug/L | 11654 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm        | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------------|--------------|------|
| 1       |   | 2-[(Trimethylsilyl)oxy]-2-{4-[(t... | 297 | C14H27N02Si2   | 1000473-27-9 | 36   |
| 2       |   | Benzeneethanamine, N-[(pentaflu...  | 475 | C21H26F5N02Si2 | 055429-85-1  | 36   |
| 3       |   | Salicylic acid, 2TMS derivative     | 282 | C13H22O3Si2    | 003789-85-3  | 28   |
| 4       |   | 5-(3-Pyridinyl)-1,3,4-thiadiazol... | 267 | C10H13N3S2Si   | 1000471-43-6 | 28   |
| 5       |   | Salicylic acid, 2TMS derivative     | 282 | C13H22O3Si2    | 003789-85-3  | 28   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
Data File : VW021192.D  
Acq On : 07 Dec 2021 01:15  
Operator : SY/VA  
Sample : M4888-05  
Misc : 5.80g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8B2

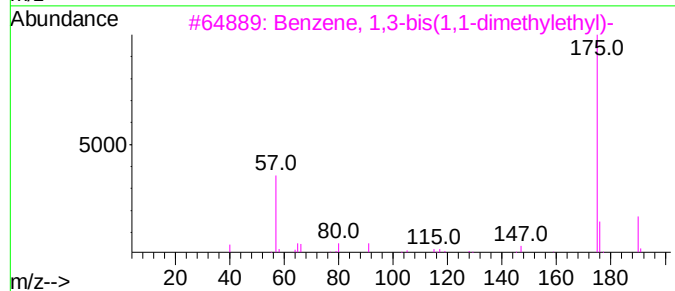
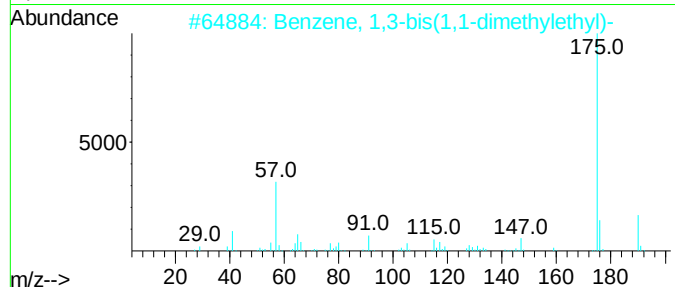
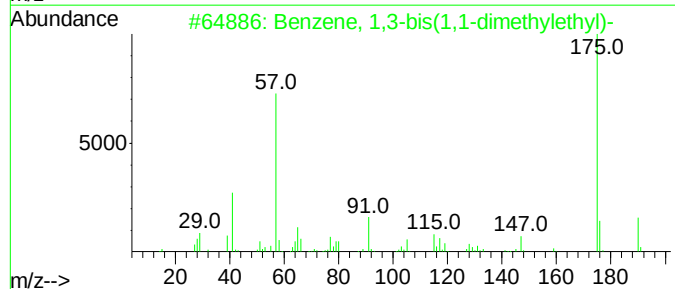
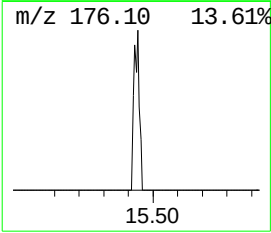
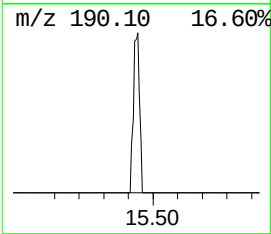
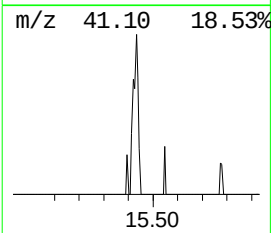
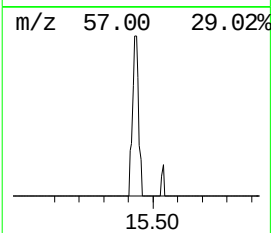
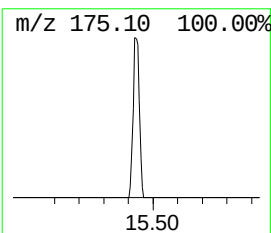
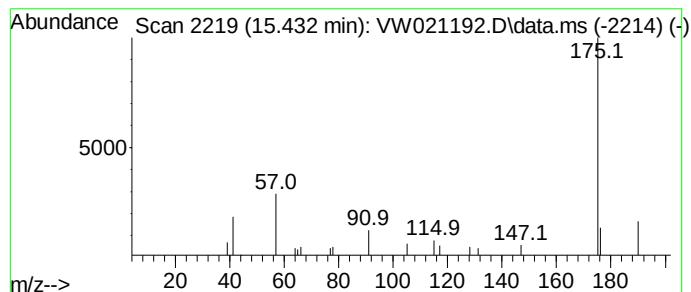
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

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Peak Number 8 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 5

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 15.432 | 4.02 ug/L | 5707 | 1,4-Dichlorobenzene-d4 | 13.554 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------------|-----|---------|-------------|------|
| 1         | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 91   |
| 2         | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 87   |
| 3         | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 80   |
| 4         | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 78   |
| 5         | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120621\  
Data File : VW021192.D  
Acq On : 07 Dec 2021 01:15  
Operator : SY/VA  
Sample : M4888-05  
Misc : 5.80g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EX8B2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | ---Internal Standard--- |        |        |      |
|--------------------|--------|---------|-------|----------|-------------------------|--------|--------|------|
|                    |        |         |       |          | #                       | RT     | Resp   | Conc |
| unknown-01         | 10.037 | 5.7     | ug/L  | 37056    | 1                       | 8.842  | 162022 | 25.0 |
| Bicyclo[3.1.1]h... | 12.469 | 2.5     | ug/L  | 10883    | 2                       | 11.628 | 106618 | 25.0 |
| Bicyclo[3.1.0]h... | 12.932 | 6.5     | ug/L  | 9255     | 3                       | 13.554 | 35525  | 25.0 |
| unknown-02         | 14.066 | 8.2     | ug/L  | 11654    | 3                       | 13.554 | 35525  | 25.0 |
| Benzene, 1,3-bi... | 15.432 | 4.0     | ug/L  | 5707     | 3                       | 13.554 | 35525  | 25.0 |