

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021129.D  
 Acq On : 04 Dec 2021 19:40  
 Operator : SY/VA  
 Sample : M4885-15  
 Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9M2

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: VW021129.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      | 29199          | 46448         | 0.30%           | 0.156%        |
| 2         | 2.885       | 154           | 161         | 172          | rVB      | 18778          | 37314         | 0.24%           | 0.125%        |
| 3         | 3.385       | 242           | 243         | 245          | rBV      | 158            | 123           | 0.00%           | 0.000%        |
| 4         | 3.544       | 265           | 269         | 272          | rVB      | 132            | 162           | 0.00%           | 0.001%        |
| 5         | 4.013       | 337           | 346         | 358          | rBV      | 32882          | 89269         | 0.57%           | 0.299%        |
| 6         | 4.135       | 359           | 366         | 370          | rVV2     | 690            | 1659          | 0.01%           | 0.006%        |
| 7         | 4.227       | 379           | 381         | 386          | rBV      | 88             | 172           | 0.00%           | 0.001%        |
| 8         | 4.391       | 400           | 408         | 416          | rBV4     | 1170           | 3743          | 0.02%           | 0.013%        |
| 9         | 4.495       | 424           | 425         | 431          | rBB      | 95             | 176           | 0.00%           | 0.001%        |
| 10        | 4.580       | 437           | 439         | 441          | rBV      | 93             | 115           | 0.00%           | 0.000%        |
| 11        | 4.751       | 464           | 467         | 469          | rBV      | 130            | 156           | 0.00%           | 0.001%        |
| 12        | 4.830       | 476           | 480         | 481          | rBV      | 78             | 121           | 0.00%           | 0.000%        |
| 13        | 4.915       | 484           | 494         | 504          | rVV      | 6330           | 19046         | 0.12%           | 0.064%        |
| 14        | 5.092       | 522           | 523         | 526          | rBV      | 118            | 125           | 0.00%           | 0.000%        |
| 15        | 5.226       | 543           | 545         | 548          | rBV      | 133            | 175           | 0.00%           | 0.001%        |
| 16        | 5.428       | 569           | 578         | 586          | rVB6     | 2490           | 7194          | 0.05%           | 0.024%        |
| 17        | 5.531       | 593           | 595         | 598          | rBB6     | 132            | 135           | 0.00%           | 0.000%        |
| 18        | 5.763       | 631           | 633         | 637          | rBV      | 80             | 143           | 0.00%           | 0.000%        |
| 19        | 5.927       | 658           | 660         | 661          | rBV      | 223            | 178           | 0.00%           | 0.001%        |
| 20        | 6.104       | 684           | 689         | 691          | rBV      | 84             | 159           | 0.00%           | 0.001%        |
| 21        | 6.305       | 717           | 722         | 723          | rBB      | 150            | 168           | 0.00%           | 0.001%        |
| 22        | 6.598       | 767           | 770         | 772          | rBB      | 111            | 116           | 0.00%           | 0.000%        |
| 23        | 6.982       | 830           | 833         | 840          | rBV2     | 143            | 369           | 0.00%           | 0.001%        |
| 24        | 7.080       | 840           | 849         | 854          | rBV      | 7505           | 19989         | 0.13%           | 0.067%        |
| 25        | 7.500       | 916           | 918         | 919          | rBV      | 181            | 136           | 0.00%           | 0.000%        |
| 26        | 7.653       | 933           | 943         | 953          | rBV      | 44043          | 113005        | 0.72%           | 0.379%        |
| 27        | 8.275       | 1031          | 1045        | 1061         | rBV4     | 88600          | 313769        | 1.99%           | 1.052%        |
| 28        | 8.403       | 1062          | 1066        | 1074         | rVB      | 2997           | 6402          | 0.04%           | 0.021%        |
| 29        | 8.549       | 1089          | 1090        | 1092         | rBV      | 342            | 308           | 0.00%           | 0.001%        |
| 30        | 8.634       | 1102          | 1104        | 1106         | rVB      | 158            | 122           | 0.00%           | 0.000%        |
| 31        | 8.842       | 1130          | 1138        | 1151         | rBB      | 67974          | 135673        | 0.86%           | 0.455%        |
| 32        | 8.939       | 1152          | 1154        | 1157         | rBB      | 140            | 161           | 0.00%           | 0.001%        |
| 33        | 9.092       | 1169          | 1179        | 1201         | rBV      | 8468535        | 15730179      | 100.00%         | 52.736%       |
| 34        | 9.274       | 1201          | 1209        | 1219         | rVB      | 58671          | 117400        | 0.75%           | 0.394%        |
| 35        | 9.402       | 1228          | 1230        | 1231         | rBV      | 152            | 122           | 0.00%           | 0.000%        |
| 36        | 9.884       | 1307          | 1309        | 1311         | rBB      | 159            | 129           | 0.00%           | 0.000%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021129.D  
 Acq On : 04 Dec 2021 19:40  
 Operator : SY/VA  
 Sample : M4885-15  
 Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9M2

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

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 10.036 | 1327 | 1334 | 1342 | rBB  | 26509   | 46927   | 0.30%  | 0.157%  |
| 38 | 10.213 | 1358 | 1363 | 1369 | rBB  | 576     | 904     | 0.01%  | 0.003%  |
| 39 | 10.323 | 1374 | 1381 | 1387 | rVV  | 114984  | 204027  | 1.30%  | 0.684%  |
| 40 | 10.390 | 1387 | 1392 | 1401 | rVV  | 38880   | 68863   | 0.44%  | 0.231%  |
| 41 | 10.494 | 1405 | 1409 | 1412 | rBB  | 276     | 335     | 0.00%  | 0.001%  |
| 42 | 10.579 | 1417 | 1423 | 1430 | rBB  | 14742   | 24609   | 0.16%  | 0.083%  |
| 43 | 10.646 | 1430 | 1434 | 1437 | rBB  | 349     | 489     | 0.00%  | 0.002%  |
| 44 | 10.707 | 1437 | 1444 | 1450 | rBB  | 7548    | 13621   | 0.09%  | 0.046%  |
| 45 | 10.786 | 1450 | 1457 | 1462 | rBV  | 31035   | 53664   | 0.34%  | 0.180%  |
| 46 | 10.859 | 1462 | 1469 | 1477 | rVV  | 3975305 | 6634346 | 42.18% | 22.242% |
| 47 | 10.920 | 1477 | 1479 | 1489 | rVB  | 27539   | 42620   | 0.27%  | 0.143%  |
| 48 | 11.061 | 1497 | 1502 | 1513 | rVV  | 6595    | 11017   | 0.07%  | 0.037%  |
| 49 | 11.146 | 1513 | 1516 | 1518 | rVB  | 144     | 172     | 0.00%  | 0.001%  |
| 50 | 11.183 | 1519 | 1522 | 1524 | rBB  | 269     | 238     | 0.00%  | 0.001%  |
| 51 | 11.433 | 1556 | 1563 | 1569 | rBV  | 6526    | 10683   | 0.07%  | 0.036%  |
| 52 | 11.628 | 1588 | 1595 | 1603 | rBV  | 76756   | 131689  | 0.84%  | 0.441%  |
| 53 | 11.731 | 1606 | 1612 | 1619 | rBB2 | 2102    | 3358    | 0.02%  | 0.011%  |
| 54 | 11.835 | 1623 | 1629 | 1636 | rBV2 | 14453   | 26148   | 0.17%  | 0.088%  |
| 55 | 11.975 | 1650 | 1652 | 1657 | rBB  | 71      | 125     | 0.00%  | 0.000%  |
| 56 | 12.085 | 1667 | 1670 | 1672 | rBV  | 121     | 138     | 0.00%  | 0.000%  |
| 57 | 12.176 | 1678 | 1685 | 1692 | rBB2 | 14536   | 25704   | 0.16%  | 0.086%  |
| 58 | 12.304 | 1704 | 1706 | 1709 | rBB  | 115     | 116     | 0.00%  | 0.000%  |
| 59 | 12.469 | 1730 | 1733 | 1736 | rBB  | 334     | 394     | 0.00%  | 0.001%  |
| 60 | 12.603 | 1748 | 1755 | 1762 | rBV  | 22740   | 36442   | 0.23%  | 0.122%  |
| 61 | 12.688 | 1763 | 1769 | 1777 | rBB  | 37350   | 61356   | 0.39%  | 0.206%  |
| 62 | 12.792 | 1784 | 1786 | 1790 | rBV  | 113     | 161     | 0.00%  | 0.001%  |
| 63 | 12.890 | 1794 | 1802 | 1806 | rBV3 | 2841    | 6253    | 0.04%  | 0.021%  |
| 64 | 12.938 | 1806 | 1810 | 1816 | rVB2 | 3127    | 4957    | 0.03%  | 0.017%  |
| 65 | 13.109 | 1833 | 1838 | 1843 | rVV4 | 516     | 935     | 0.01%  | 0.003%  |
| 66 | 13.188 | 1848 | 1851 | 1854 | rVB2 | 538     | 576     | 0.00%  | 0.002%  |
| 67 | 13.249 | 1855 | 1861 | 1864 | rBV3 | 4106    | 6388    | 0.04%  | 0.021%  |
| 68 | 13.298 | 1864 | 1869 | 1874 | rVV2 | 20330   | 31649   | 0.20%  | 0.106%  |
| 69 | 13.347 | 1874 | 1877 | 1882 | rVV  | 4453    | 6549    | 0.04%  | 0.022%  |
| 70 | 13.414 | 1882 | 1888 | 1891 | rVB4 | 513     | 838     | 0.01%  | 0.003%  |
| 71 | 13.475 | 1891 | 1898 | 1904 | rBV  | 8487    | 14156   | 0.09%  | 0.047%  |
| 72 | 13.554 | 1905 | 1911 | 1922 | rBV  | 54076   | 92591   | 0.59%  | 0.310%  |
| 73 | 13.646 | 1922 | 1926 | 1935 | rVB2 | 3681    | 6272    | 0.04%  | 0.021%  |
| 74 | 13.761 | 1940 | 1945 | 1946 | rBV3 | 1394    | 2133    | 0.01%  | 0.007%  |
| 75 | 13.853 | 1953 | 1960 | 1966 | rBV  | 52791   | 88702   | 0.56%  | 0.297%  |
| 76 | 13.938 | 1969 | 1974 | 1981 | rVB  | 6755    | 11252   | 0.07%  | 0.038%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021129.D  
 Acq On : 04 Dec 2021 19:40  
 Operator : SY/VA  
 Sample : M4885-15  
 Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9M2

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

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 14.011 | 1981 | 1986 | 1987 | rBV3 | 839     | 1091    | 0.01%  | 0.004% |
| 78  | 14.066 | 1987 | 1995 | 2005 | rVB3 | 6921    | 15187   | 0.10%  | 0.051% |
| 79  | 14.133 | 2005 | 2006 | 2007 | rBV  | 286     | 185     | 0.00%  | 0.001% |
| 80  | 14.231 | 2017 | 2022 | 2027 | rVB2 | 5734    | 8842    | 0.06%  | 0.030% |
| 81  | 14.280 | 2027 | 2030 | 2032 | rBV  | 1022    | 1270    | 0.01%  | 0.004% |
| 82  | 14.414 | 2043 | 2052 | 2055 | rBV2 | 10831   | 21335   | 0.14%  | 0.072% |
| 83  | 14.456 | 2055 | 2059 | 2062 | rBV  | 8971    | 14329   | 0.09%  | 0.048% |
| 84  | 14.682 | 2093 | 2096 | 2099 | rBV2 | 1495    | 1979    | 0.01%  | 0.007% |
| 85  | 14.719 | 2099 | 2102 | 2108 | rVB3 | 2319    | 3456    | 0.02%  | 0.012% |
| 86  | 14.792 | 2108 | 2114 | 2121 | rBV2 | 14031   | 27504   | 0.17%  | 0.092% |
| 87  | 14.950 | 2135 | 2140 | 2144 | rBV3 | 2970    | 4287    | 0.03%  | 0.014% |
| 88  | 15.060 | 2153 | 2158 | 2171 | rVB2 | 6862    | 15000   | 0.10%  | 0.050% |
| 89  | 15.164 | 2171 | 2175 | 2181 | rVB6 | 2813    | 4830    | 0.03%  | 0.016% |
| 90  | 15.212 | 2181 | 2183 | 2185 | rBV  | 467     | 452     | 0.00%  | 0.002% |
| 91  | 15.279 | 2188 | 2194 | 2198 | rBV2 | 24424   | 47517   | 0.30%  | 0.159% |
| 92  | 15.365 | 2201 | 2208 | 2216 | rVV  | 1280461 | 2291685 | 14.57% | 7.683% |
| 93  | 15.462 | 2216 | 2224 | 2232 | rVB4 | 25085   | 68618   | 0.44%  | 0.230% |
| 94  | 15.651 | 2247 | 2255 | 2261 | rBV4 | 4463    | 9504    | 0.06%  | 0.032% |
| 95  | 15.944 | 2295 | 2303 | 2310 | rBV4 | 5237    | 12676   | 0.08%  | 0.042% |
| 96  | 16.261 | 2349 | 2355 | 2362 | rVB2 | 8128    | 18411   | 0.12%  | 0.062% |
| 97  | 16.371 | 2363 | 2373 | 2376 | rVV4 | 14936   | 41007   | 0.26%  | 0.137% |
| 98  | 16.438 | 2376 | 2384 | 2397 | rVV  | 765412  | 1584167 | 10.07% | 5.311% |
| 99  | 16.560 | 2397 | 2404 | 2408 | rVV3 | 10096   | 23001   | 0.15%  | 0.077% |
| 100 | 16.639 | 2409 | 2417 | 2429 | rVB  | 615132  | 1295911 | 8.24%  | 4.345% |

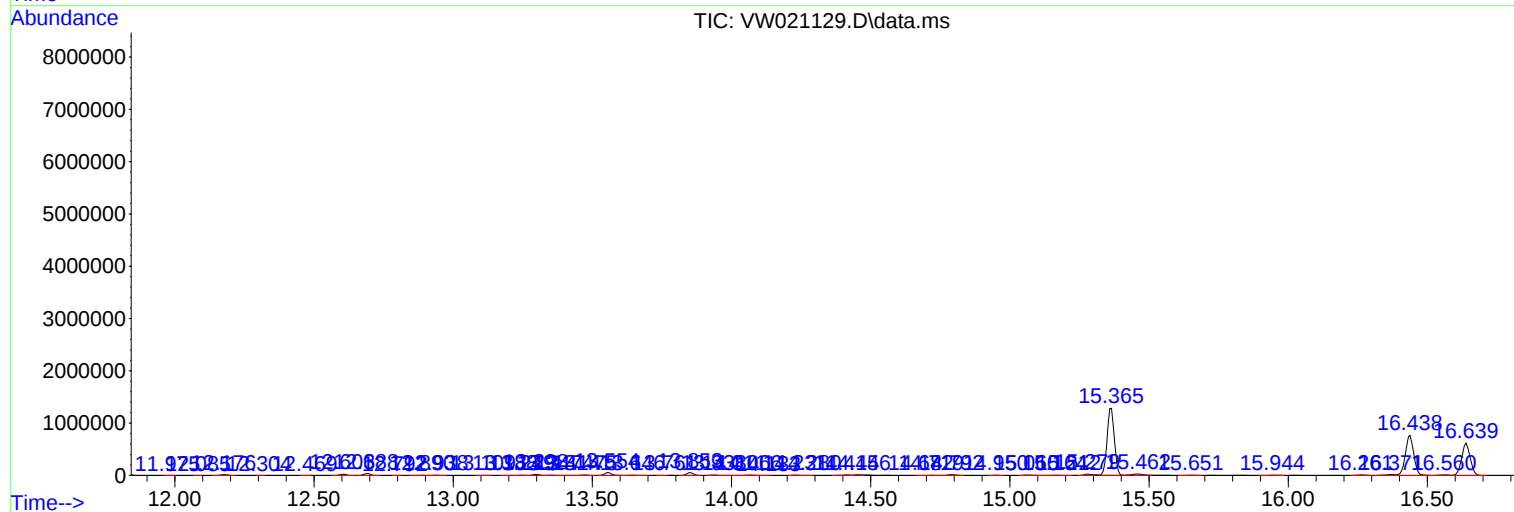
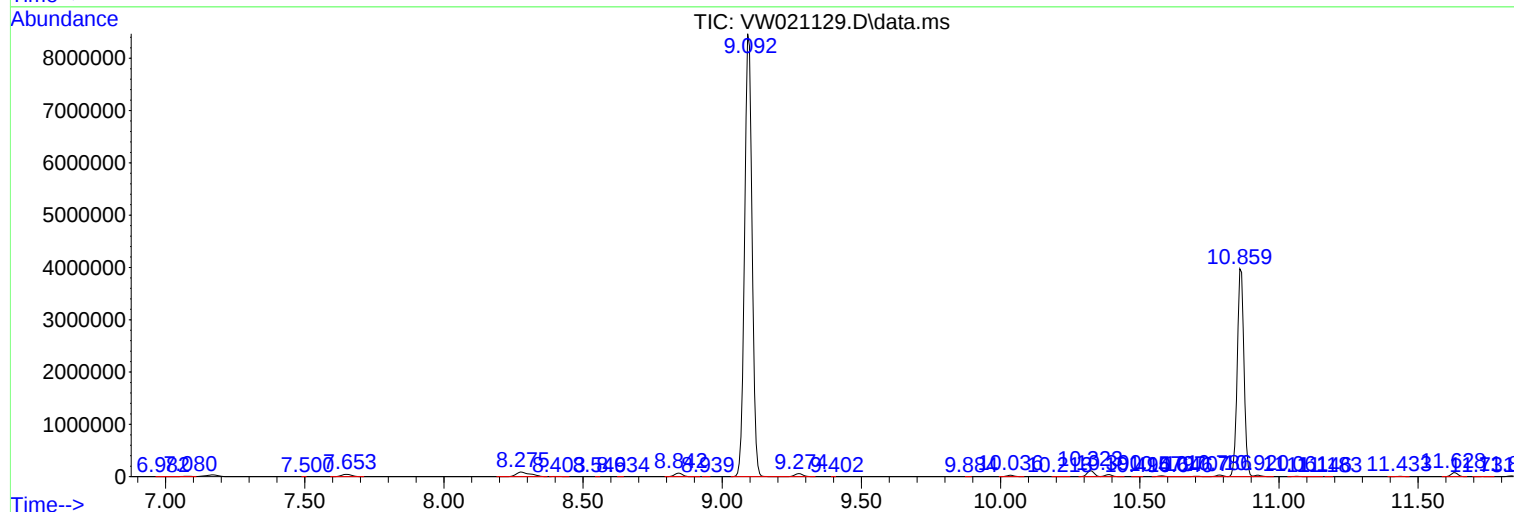
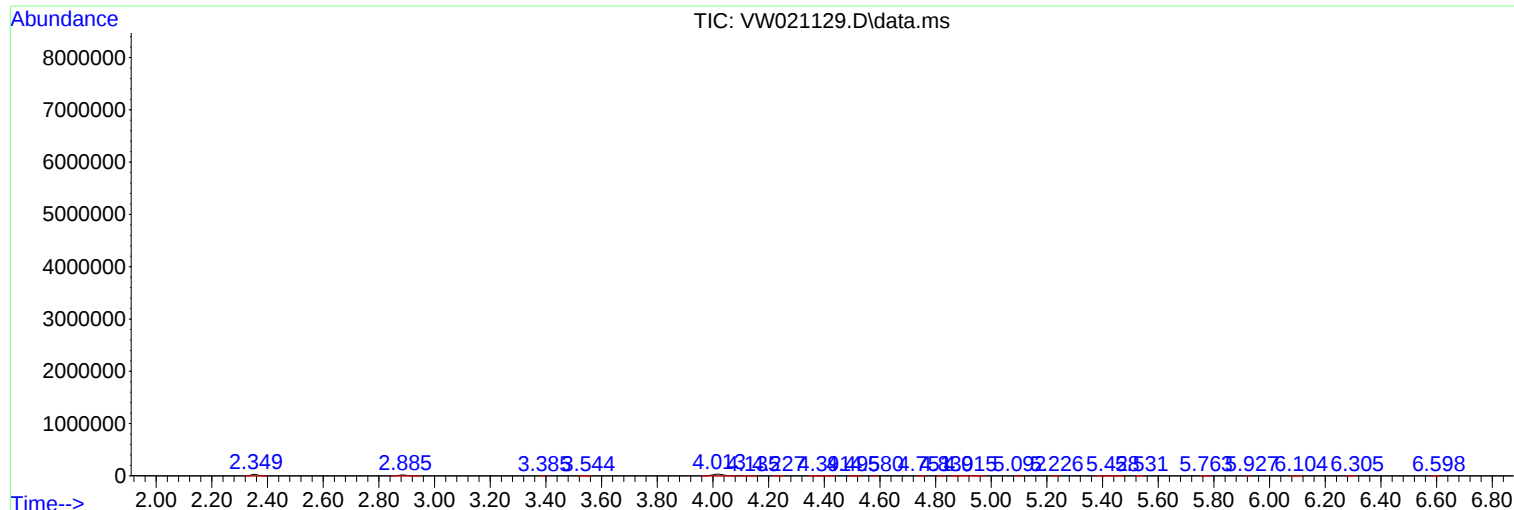
Sum of corrected areas: 29828302

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

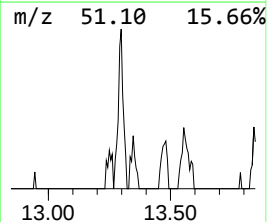
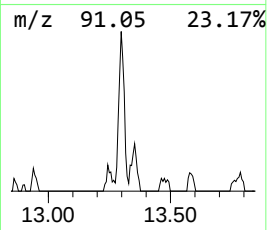
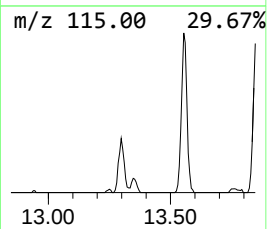
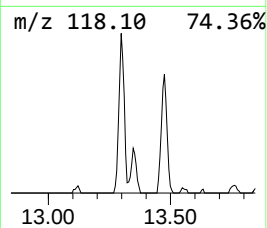
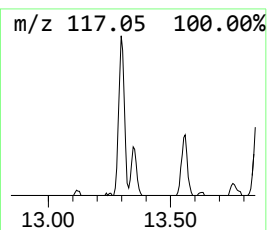
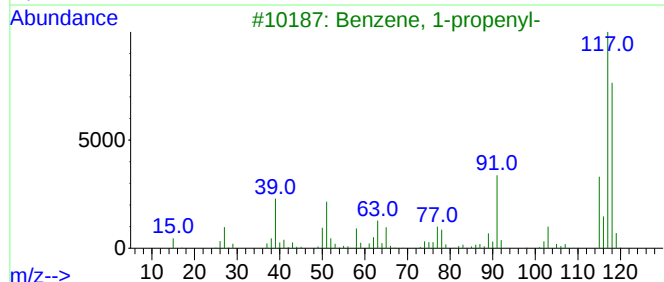
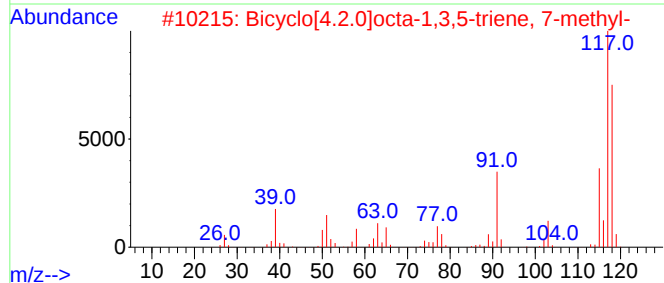
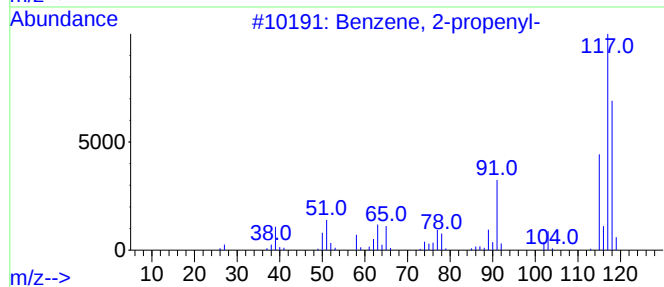
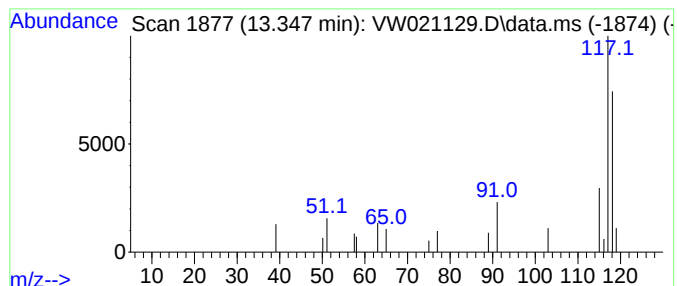
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 6 Benzene, 2-propenyl- Concentration Rank 24

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 13.347 | 1.77 ug/L | 6549 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-propenyl-                | 118 | C9H10   | 000300-57-2 | 90   |
| 2    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10   | 055337-80-9 | 90   |
| 3    |    |   | Benzene, 1-propenyl-                | 118 | C9H10   | 000637-50-3 | 87   |
| 4    |    |   | Benzene, 1-ethenyl-3-methyl-        | 118 | C9H10   | 000100-80-1 | 87   |
| 5    |    |   | (Z)-1-Phenylpropene                 | 118 | C9H10   | 000766-90-5 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

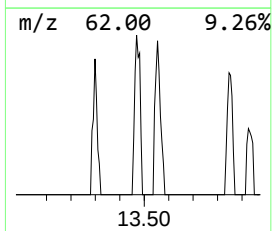
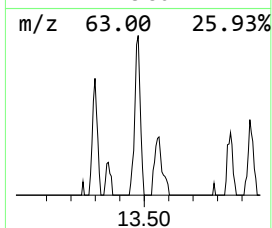
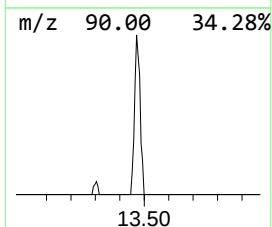
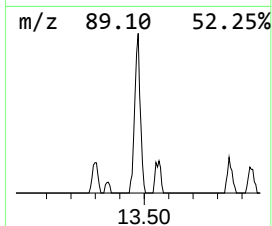
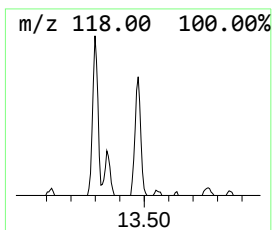
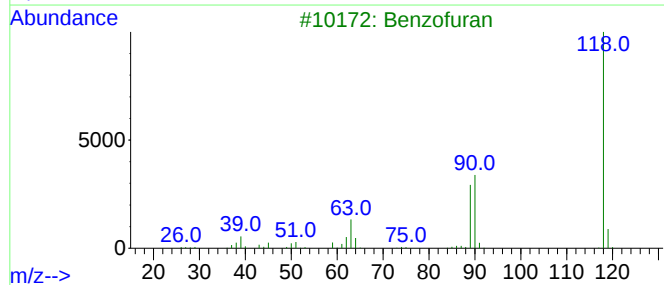
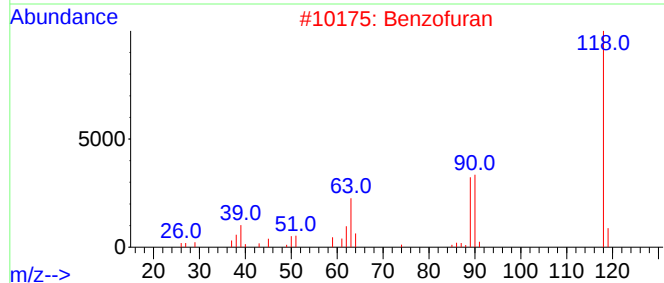
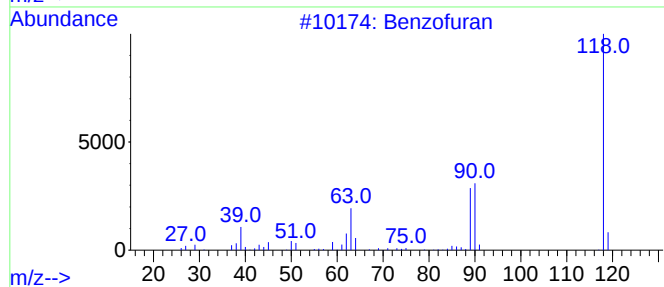
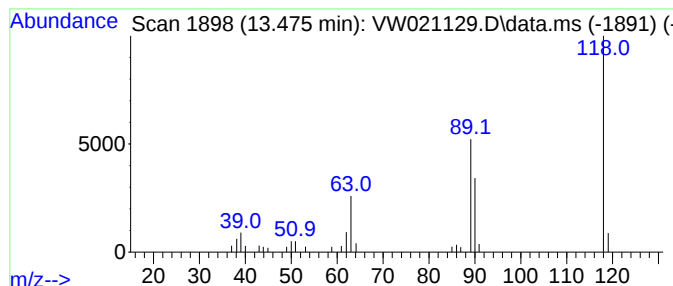
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 7 2H-Cyclopenta[d]pyridazine Concentration Rank 16

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.475 | 3.82 ug/L | 14156 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzofuran                 | 118 | C8H6O   | 000271-89-6 | 83   |
| 2    |    |   | Benzofuran                 | 118 | C8H6O   | 000271-89-6 | 80   |
| 3    |    |   | Benzofuran                 | 118 | C8H6O   | 000271-89-6 | 80   |
| 4    |    |   | 2H-Cyclopenta[d]pyridazine | 118 | C7H6N2  | 000270-64-4 | 53   |
| 5    |    |   | 1H-Indazole                | 118 | C7H6N2  | 000271-44-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

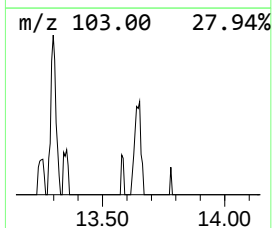
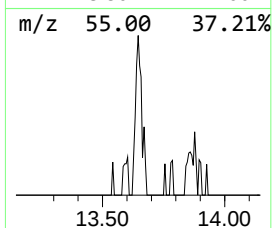
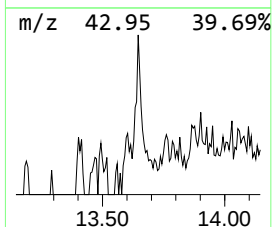
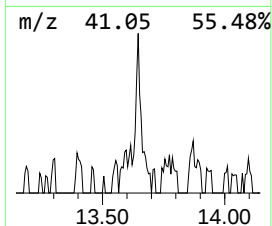
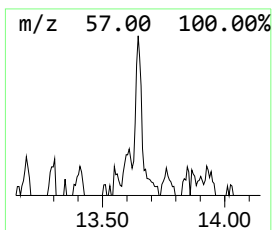
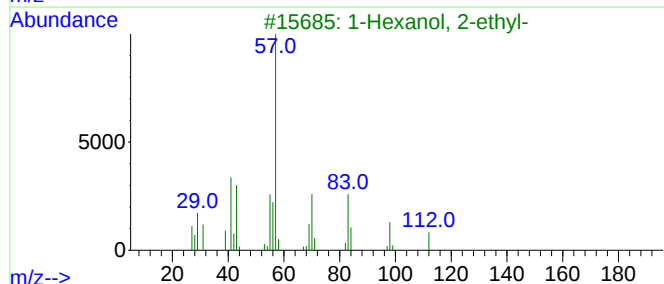
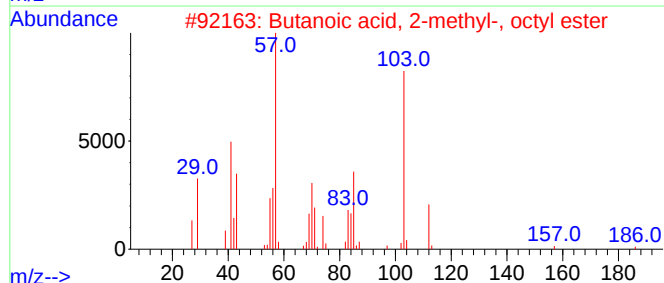
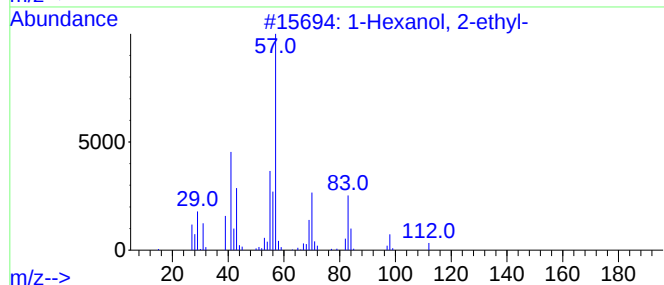
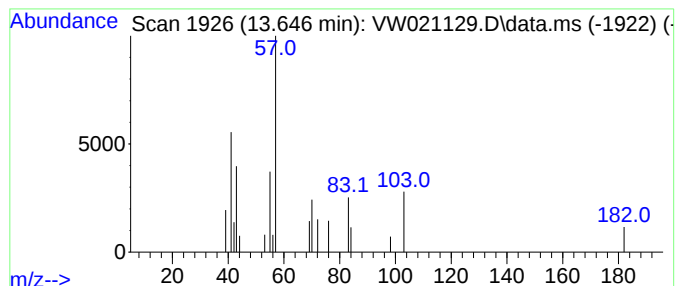
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 8 unknown-01 Concentration Rank 25

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 13.646 | 1.69 ug/L | 6272 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|----------|-------------|------|
| 1    | 1-Hexanol, 2-ethyl-                 |   |              | 130 | C8H18O   | 000104-76-7 | 40   |
| 2    | Butanoic acid, 2-methyl-, octyl ... |   |              | 214 | C13H26O2 | 029811-50-5 | 40   |
| 3    | 1-Hexanol, 2-ethyl-                 |   |              | 130 | C8H18O   | 000104-76-7 | 38   |
| 4    | 1-Hexanol, 2-ethyl-                 |   |              | 130 | C8H18O   | 000104-76-7 | 38   |
| 5    | 1-Hexanol, 2-ethyl-                 |   |              | 130 | C8H18O   | 000104-76-7 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

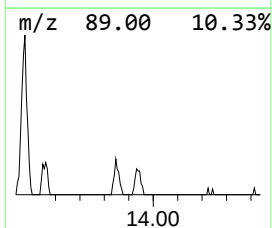
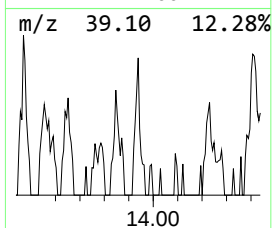
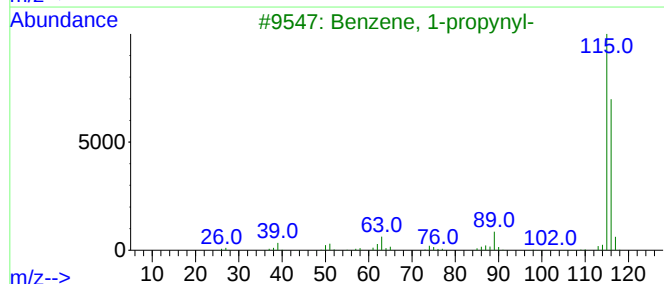
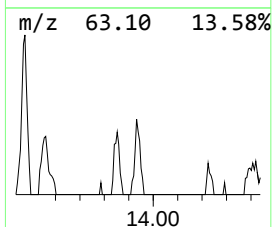
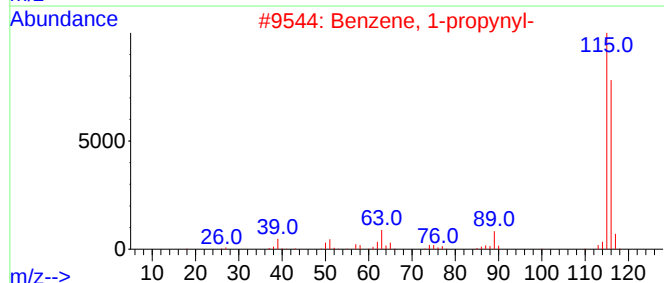
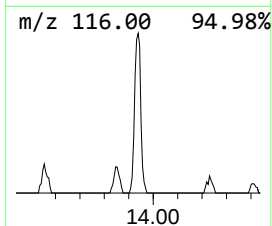
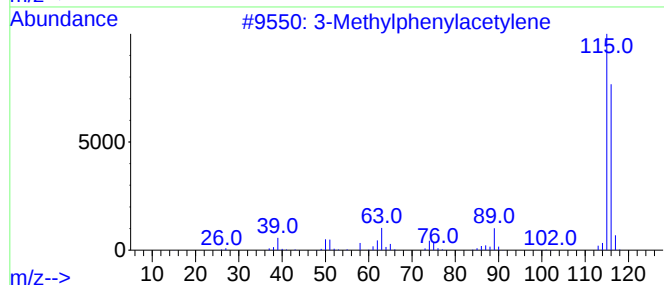
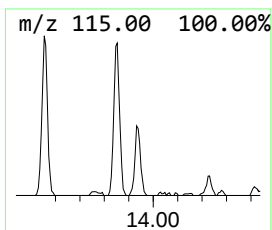
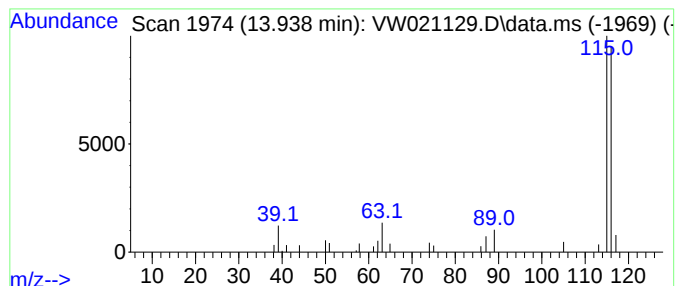
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 9 3-Methylphenylacetylene Concentration Rank 18

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.938 | 3.04 ug/L | 11252 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 90   |
| 2    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 90   |
| 3    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 90   |
| 4    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 87   |
| 5    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

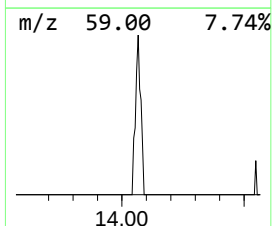
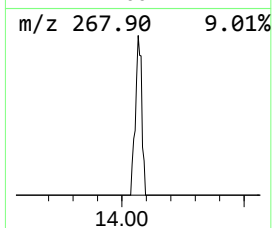
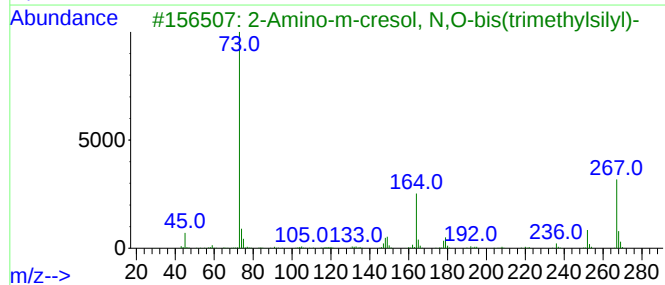
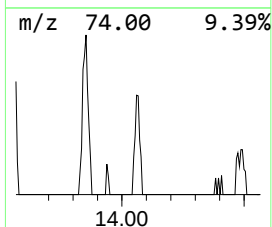
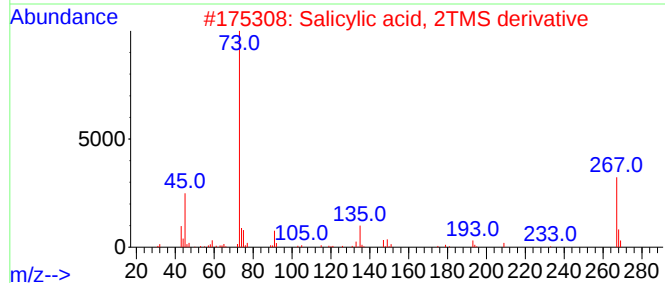
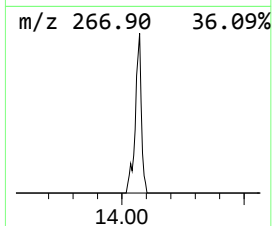
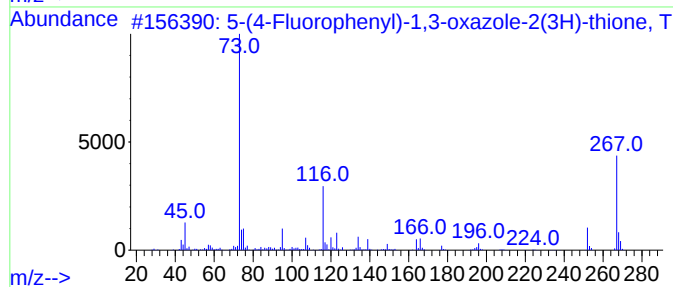
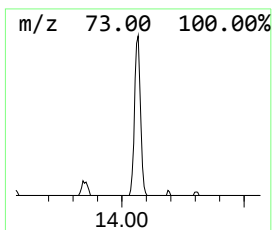
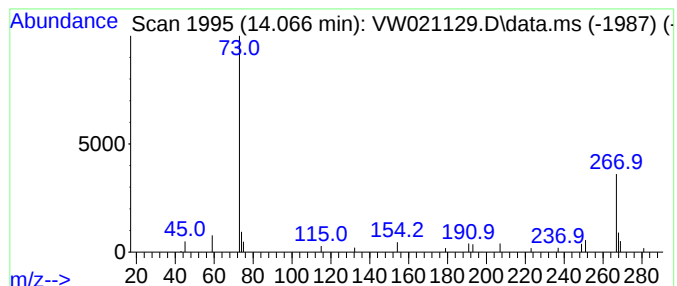
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 10 5-(4-Fluorophenyl)-1,3-oxaz... Concentration Rank 13

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.066 | 4.10 ug/L | 15187 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|------|-------------------------------------|-----|--------------|--------------|------|
| 1    |      | 5-(4-Fluorophenyl)-1,3-oxazole-2... | 267 | C12H14FNOSSi | 1000497-07-6 | 50   |
| 2    |      | Salicylic acid, 2TMS derivative     | 282 | C13H22O3Si2  | 003789-85-3  | 45   |
| 3    |      | 2-Amino-m-cresol, N,O-bis(trimet... | 267 | C13H25NOSi2  | 1000449-77-1 | 40   |
| 4    |      | Salicylic acid, 2TMS derivative     | 282 | C13H22O3Si2  | 003789-85-3  | 38   |
| 5    |      | Tetrasiloxane, 1,1,3,3,5,5,7,7-o... | 282 | C8H26O3Si4   | 001000-05-1  | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

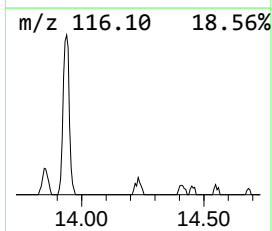
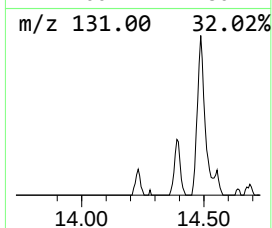
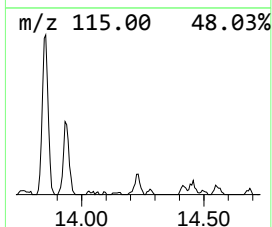
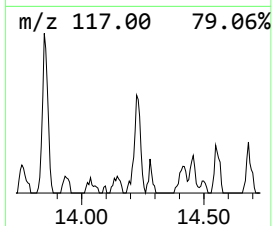
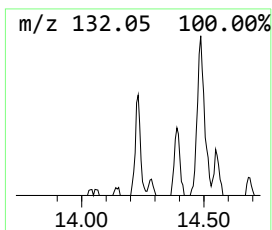
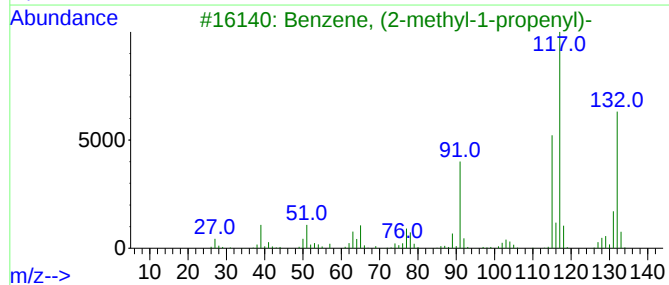
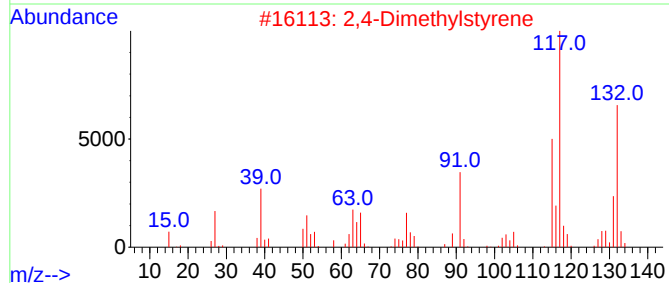
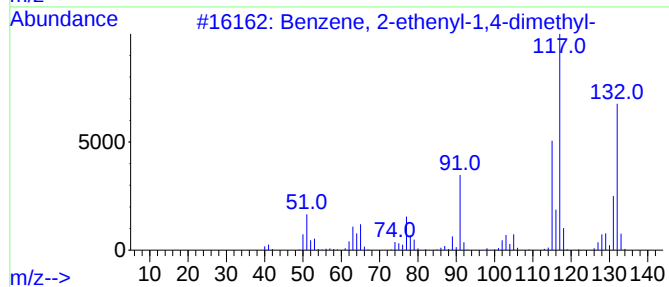
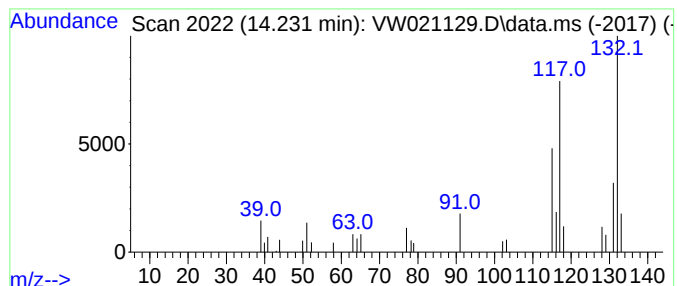
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 21

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 14.231 | 2.39 ug/L | 8842 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    |   | 2,4-Dimethylstyrene                 | 132 | C10H12  | 002234-20-0 | 94   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 91   |
| 4    |    |   | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12  | 001195-32-0 | 91   |
| 5    |    |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

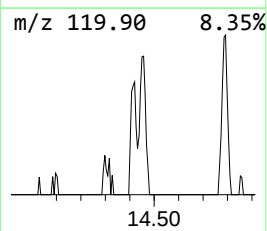
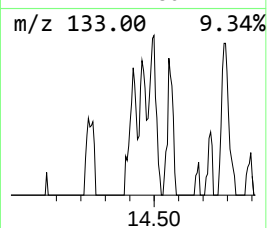
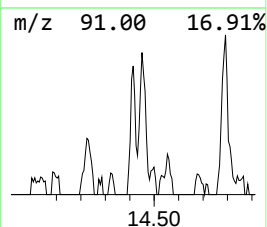
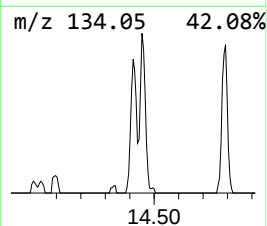
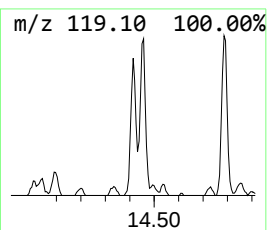
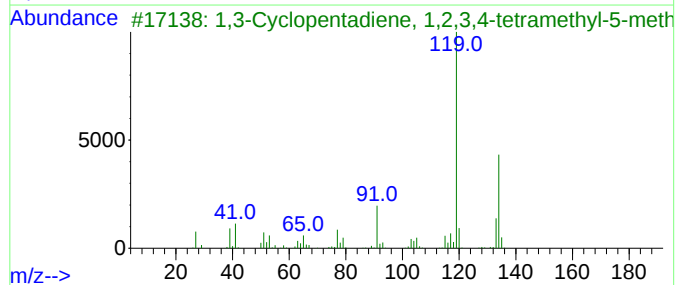
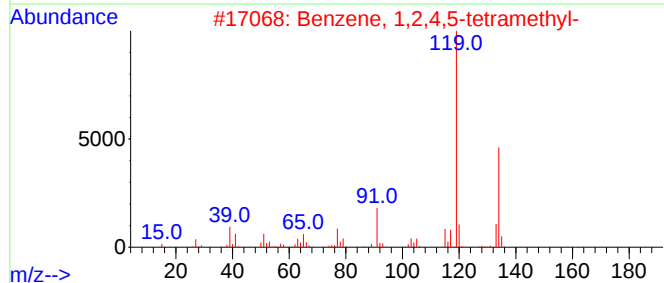
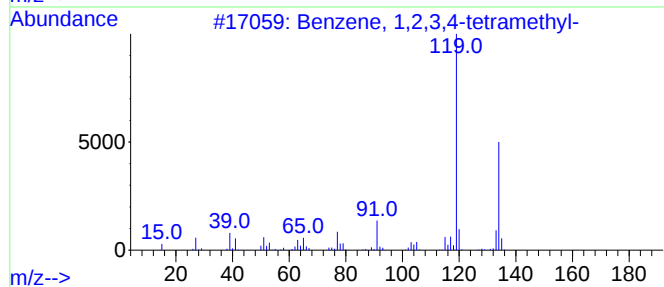
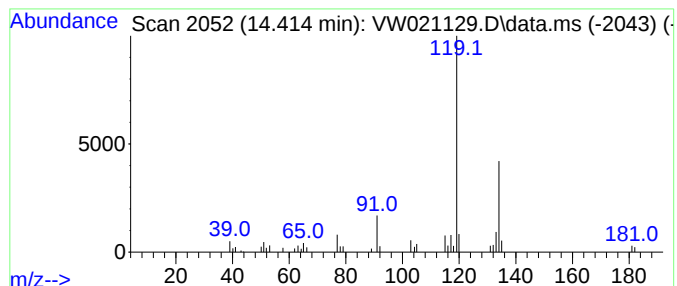
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 12 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.414 | 5.76 ug/L | 21335 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 95   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 95   |
| 3    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 95   |
| 4    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 95   |
| 5    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

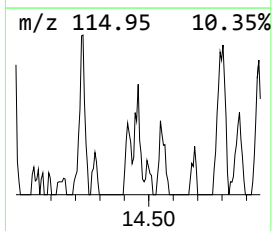
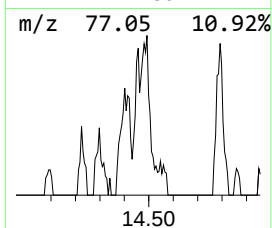
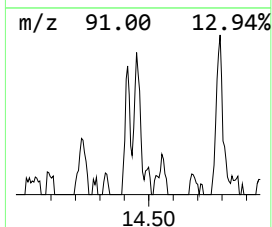
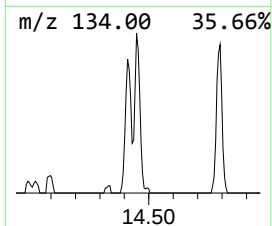
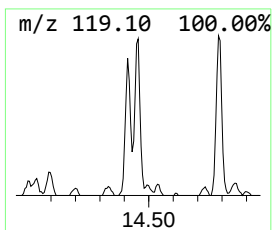
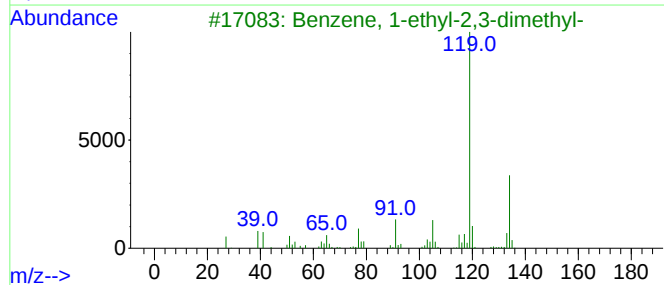
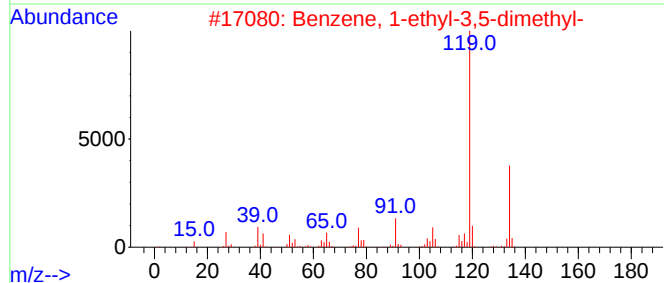
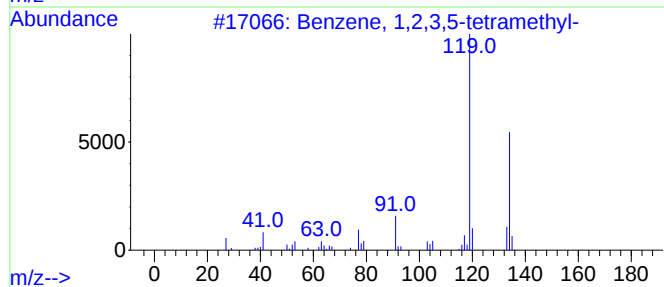
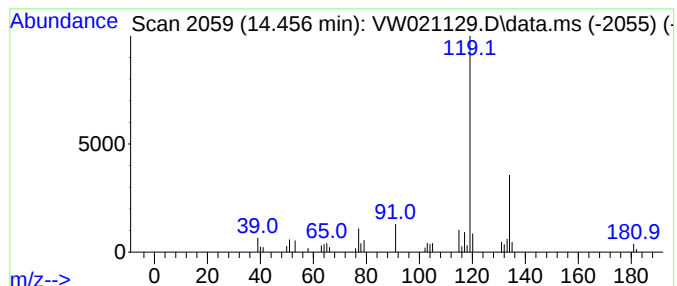
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.456 | 3.87 ug/L | 14329 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 93   |
| 2    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 93   |
| 3    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 93   |
| 4    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 90   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

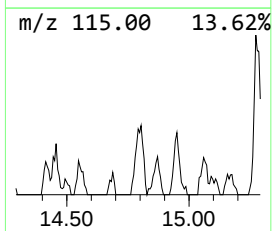
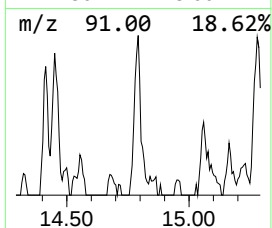
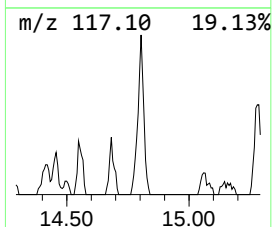
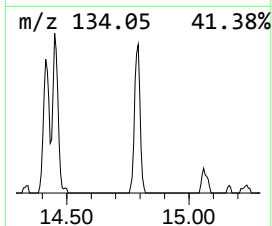
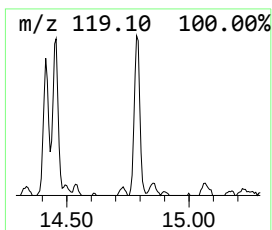
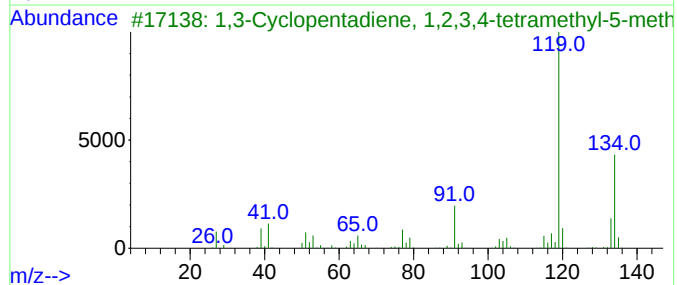
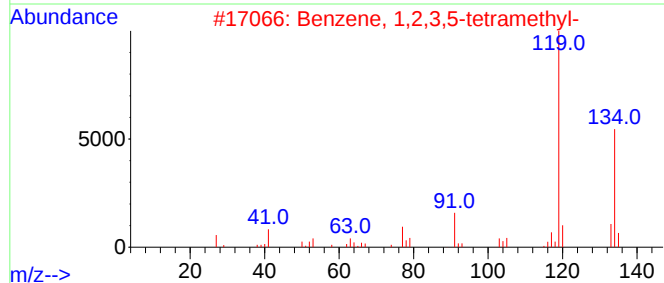
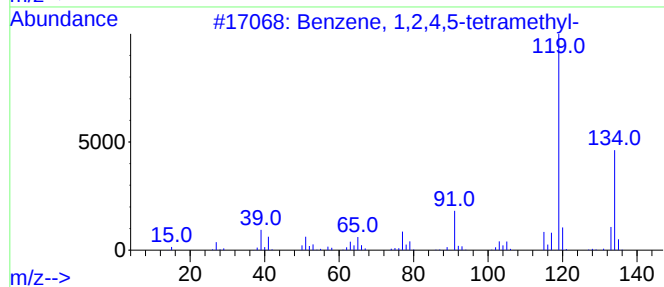
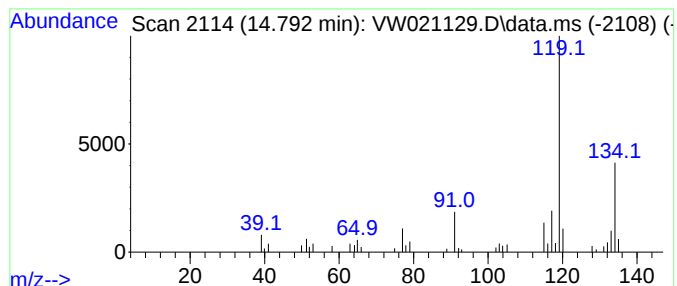
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.792 | 7.43 ug/L | 27504 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 95   |
| 2    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 93   |
| 3    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 93   |
| 4    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 93   |
| 5    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

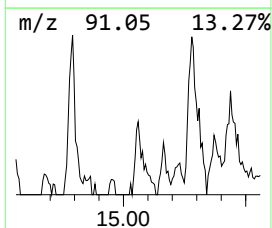
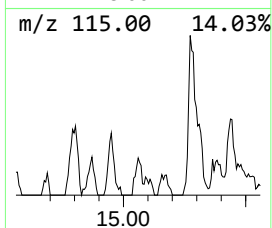
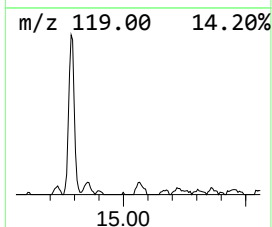
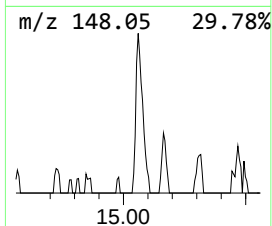
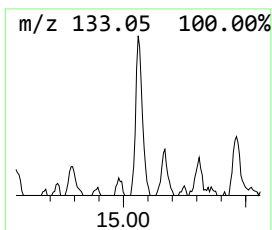
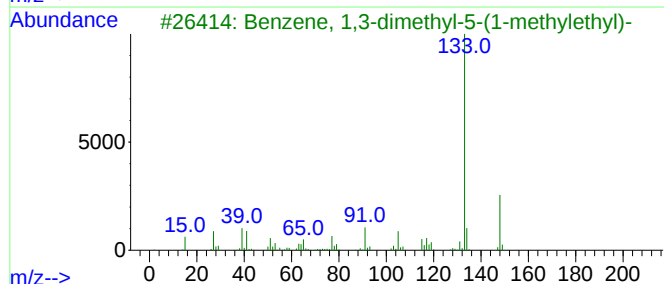
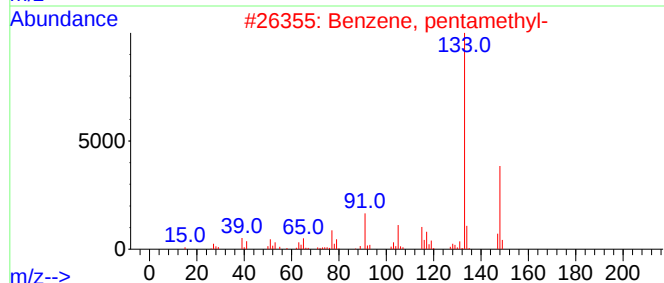
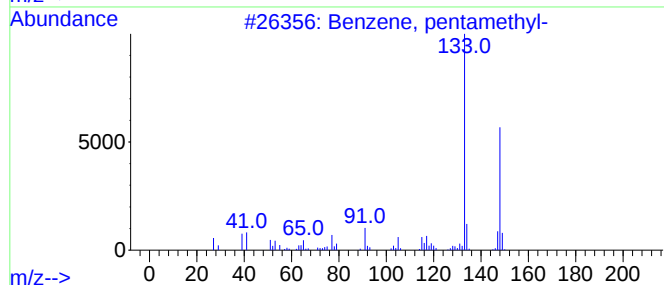
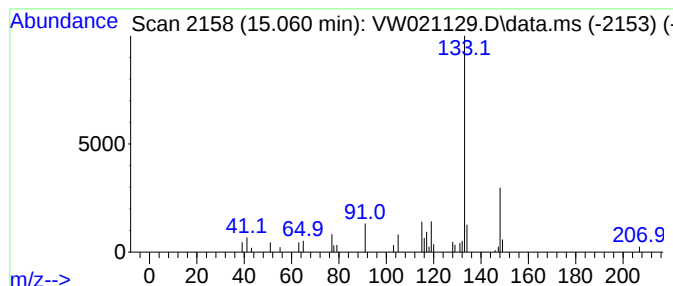
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 15 Benzene, pentamethyl- Concentration Rank 14

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.060 | 4.05 ug/L | 15000 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 90   |
| 2    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 87   |
| 3    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 83   |
| 4    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 80   |
| 5    |    |   | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16  | 004920-99-4 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

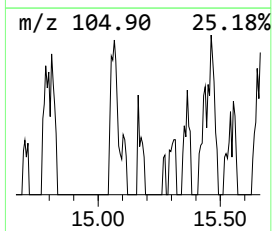
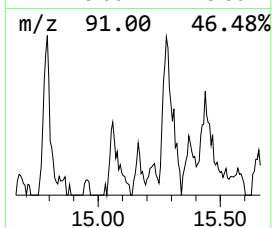
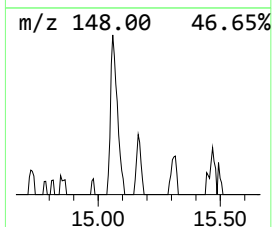
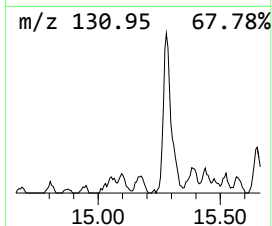
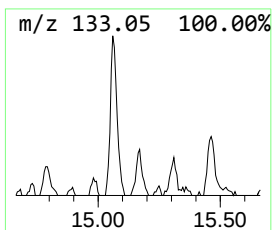
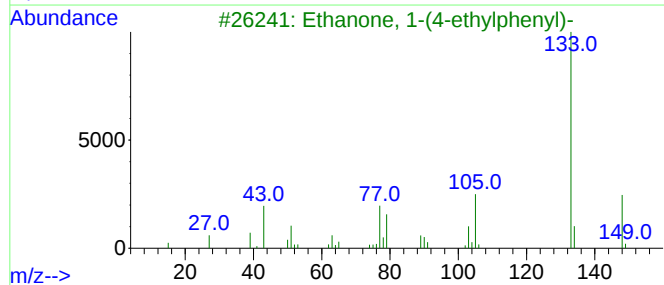
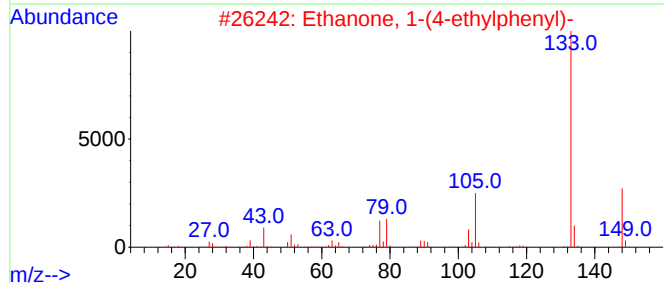
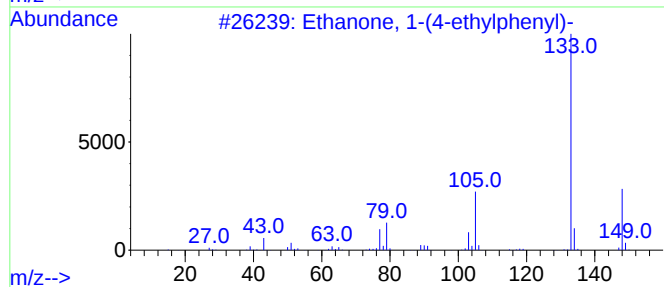
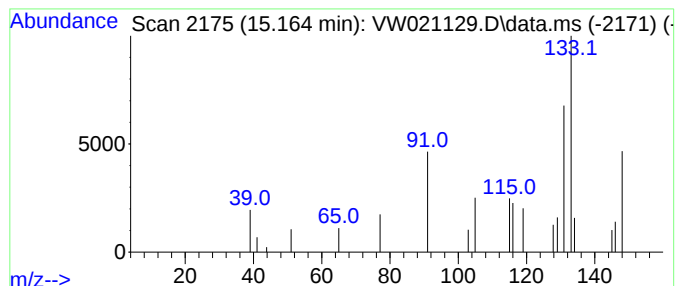
\*\*\*\*\*

Peak Number 16 unknown-02

Concentration Rank 26

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 15.164 | 1.30 ug/L | 4830 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanone, 1-(4-ethylphenyl)-        | 148 | C10H12O | 000937-30-4 | 43   |
| 2    |    |   | Ethanone, 1-(4-ethylphenyl)-        | 148 | C10H12O | 000937-30-4 | 38   |
| 3    |    |   | Ethanone, 1-(4-ethylphenyl)-        | 148 | C10H12O | 000937-30-4 | 32   |
| 4    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 32   |
| 5    |    |   | Benzene, 1-isocyanato-4-methyl-     | 133 | C8H7NO  | 000622-58-2 | 22   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

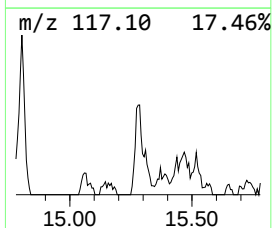
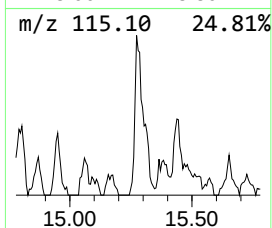
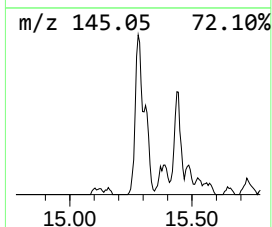
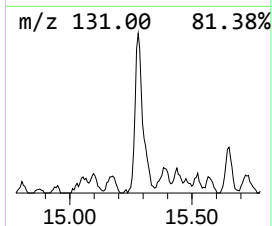
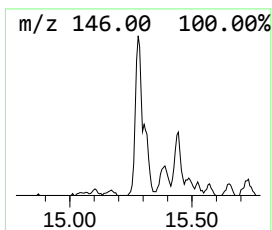
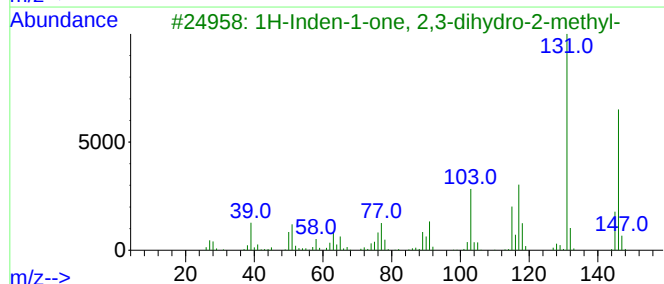
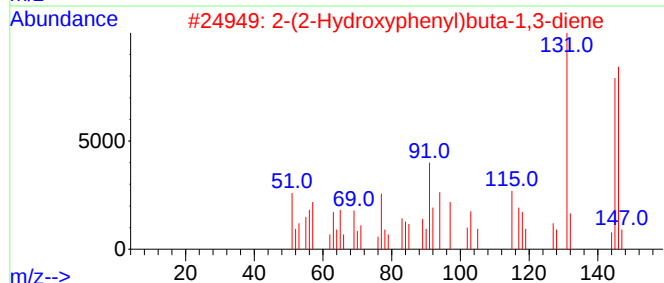
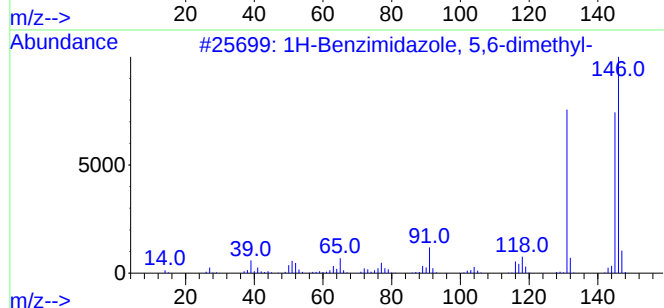
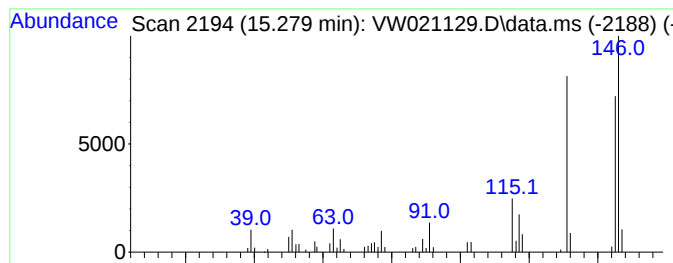
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

\*\*\*\*\*  
Peak Number 17 1H-Benzimidazole, 5,6-dimet... Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|-------------|------|
| 15.279    | 12.83 ug/L                          | 47517 | 1,4-Dichlorobenzene-d4 | 13.560      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#        | Qual |
| 1         | 1H-Benzimidazole, 5,6-dimethyl-     | 146   | C9H10N2                | 000582-60-5 | 90   |
| 2         | 2-(2-Hydroxyphenyl)buta-1,3-diene   | 146   | C10H10O                | 038865-47-3 | 86   |
| 3         | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146   | C10H10O                | 017496-14-9 | 83   |
| 4         | 1H-Benzimidazole, 5,6-dimethyl-     | 146   | C9H10N2                | 000582-60-5 | 80   |
| 5         | 1H-Inden-1-one, 2,3-dihydro-3-me... | 146   | C10H10O                | 006072-57-7 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

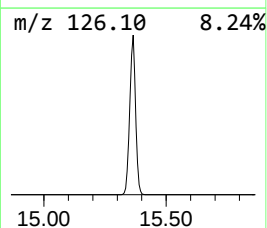
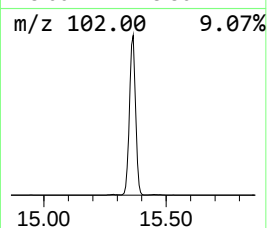
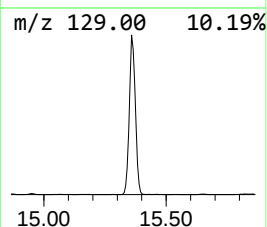
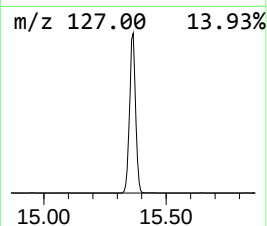
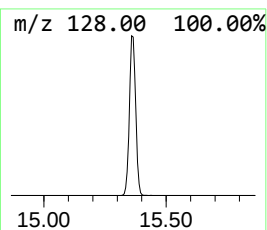
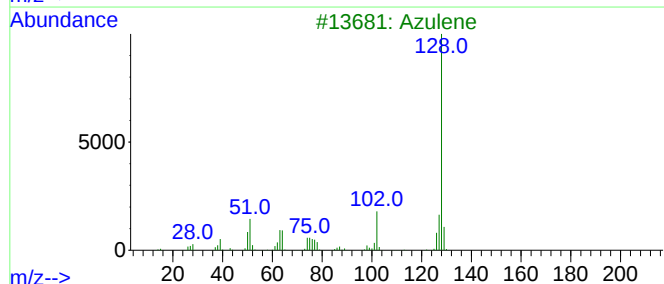
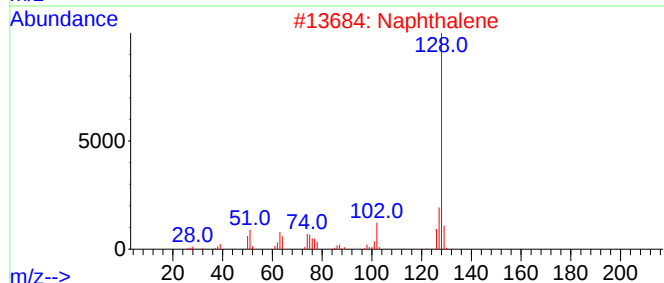
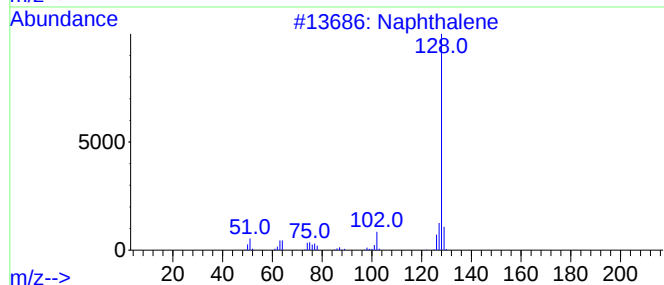
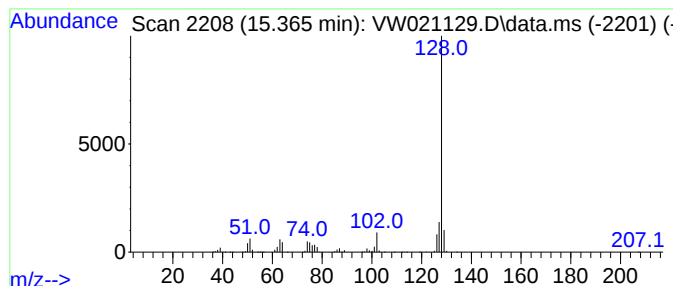
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 18 Azulene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.365 | 618.77 ug/L | 2291690 | 1,4-Dichlorobenzene-d4 | 13.560 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

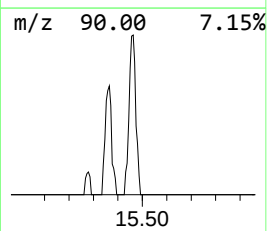
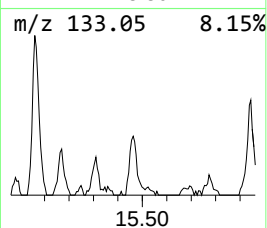
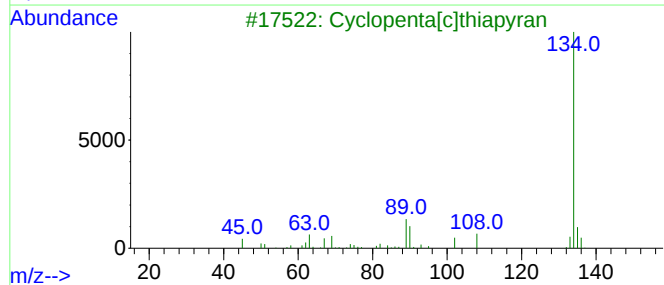
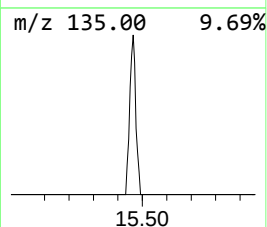
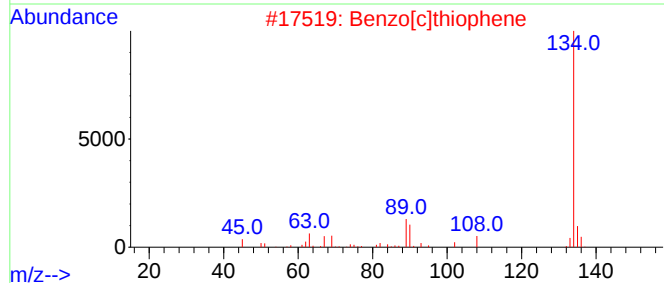
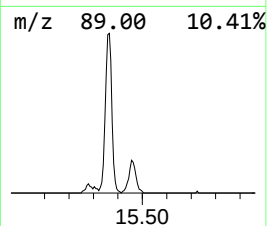
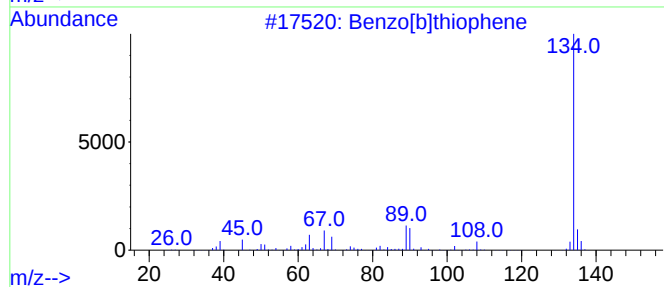
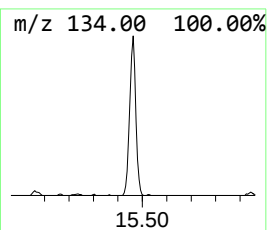
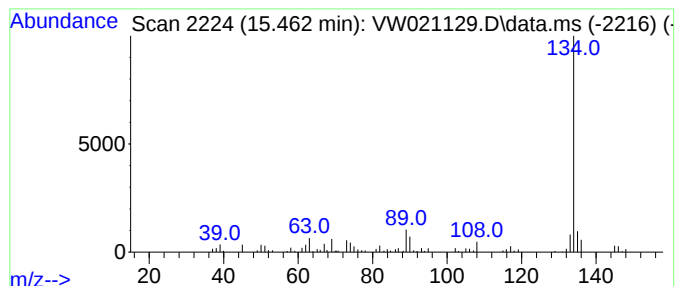
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 19 Benzo[b]thiophene Concentration Rank 4

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 15.462 | 18.53 ug/L | 68618 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 90   |
| 2    |    |   | Benzo[c]thiophene      | 134 | C8H6S   | 000270-82-6 | 90   |
| 3    |    |   | Cyclopenta[c]thiapyran | 134 | C8H6S   | 000270-63-3 | 90   |
| 4    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 87   |
| 5    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

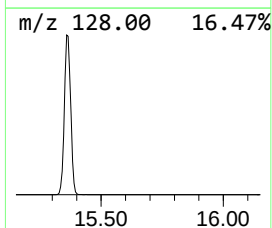
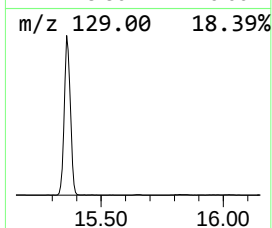
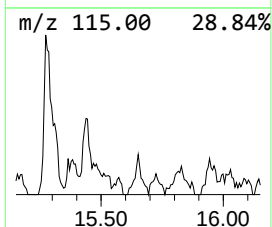
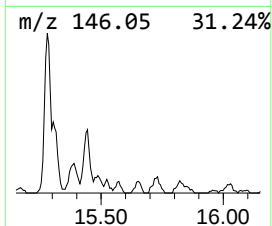
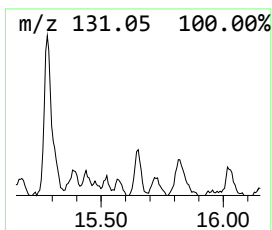
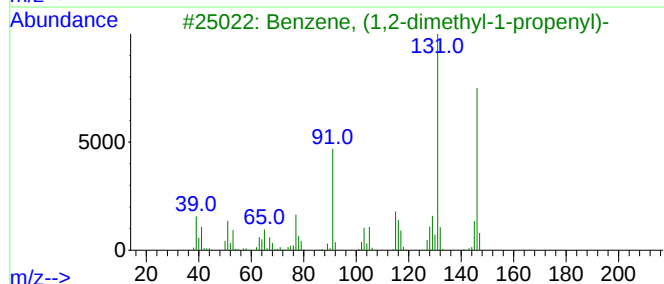
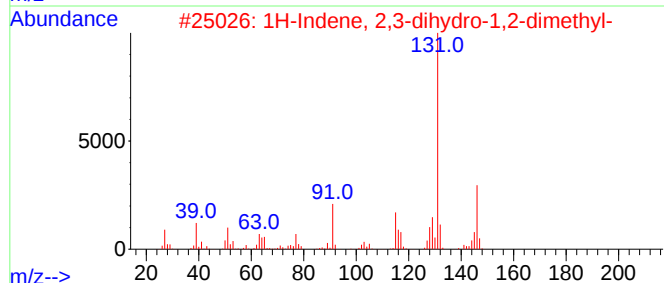
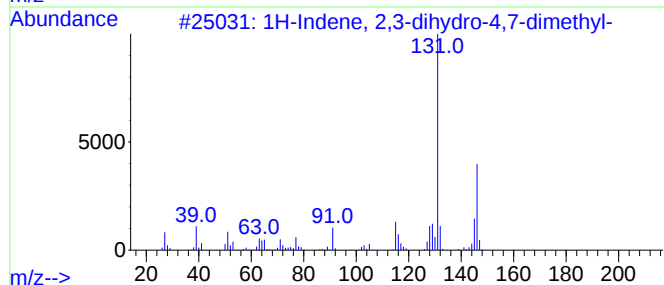
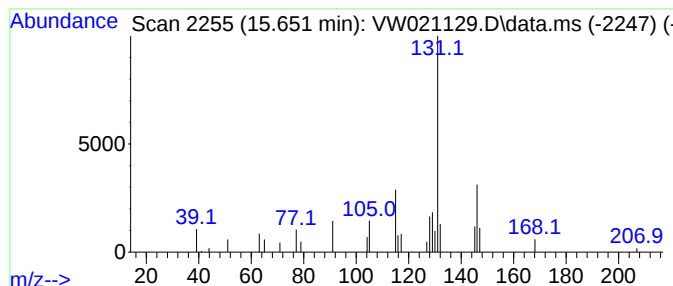
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 20 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

| R.T.   | EstConc   | Area | Relative to ISTD       | R.T.   |
|--------|-----------|------|------------------------|--------|
| 15.651 | 2.57 ug/L | 9504 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 90      |      |      |
| 2    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14       | 017057-82-8 | 90      |      |      |
| 3    | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14       | 000769-57-3 | 87      |      |      |
| 4    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 86      |      |      |
| 5    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14       | 053172-84-2 | 83      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

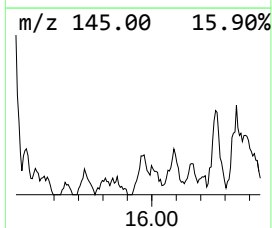
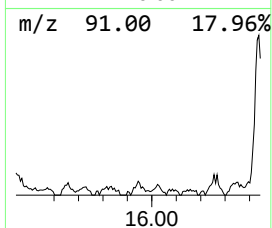
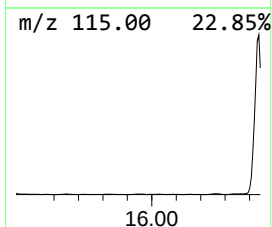
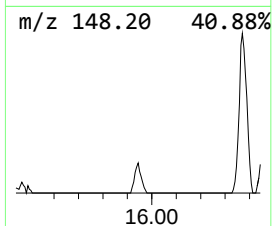
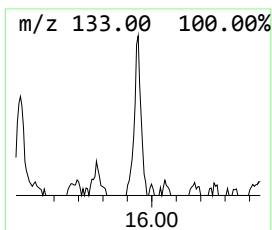
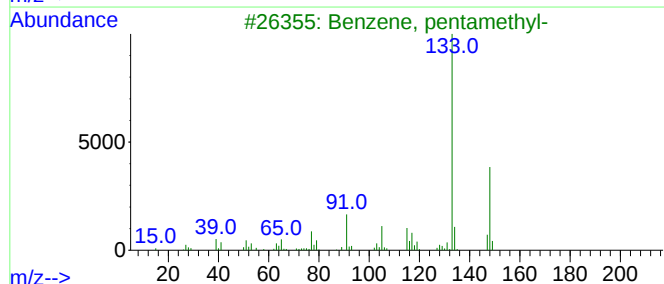
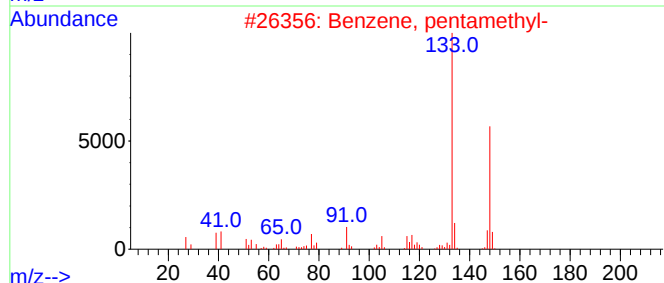
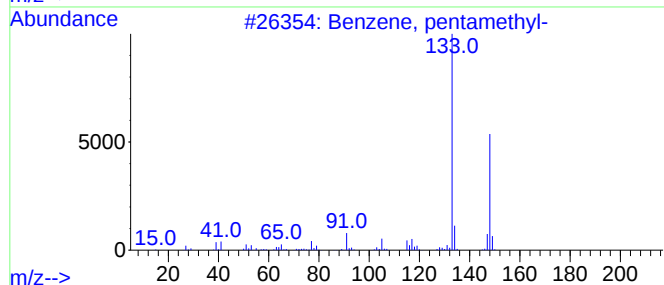
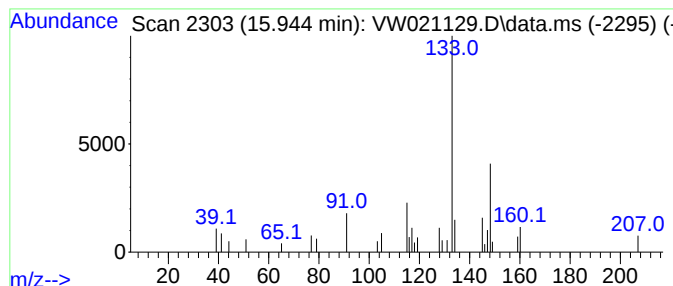
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 21 2-tert-Butyltoluene Concentration Rank 17

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.944 | 3.42 ug/L | 12676 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 76   |
| 2    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 76   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 76   |
| 4    |    |   | 2-tert-Butyltoluene                 | 148 | C11H16  | 001074-92-6 | 64   |
| 5    |    |   | 1,5,6,7-Tetramethylbicyclo[3.2.0... | 148 | C11H16  | 134329-46-7 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

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

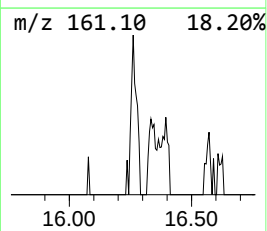
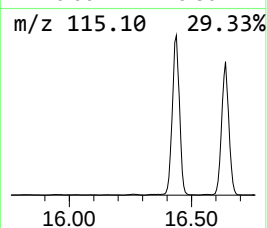
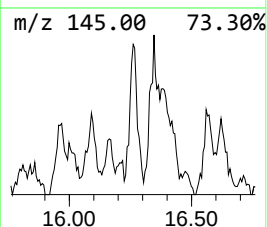
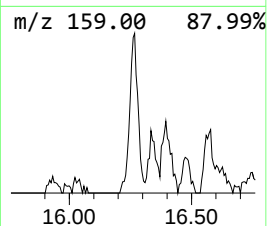
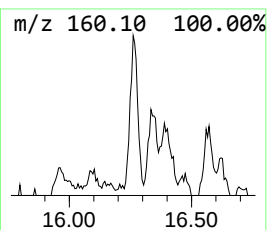
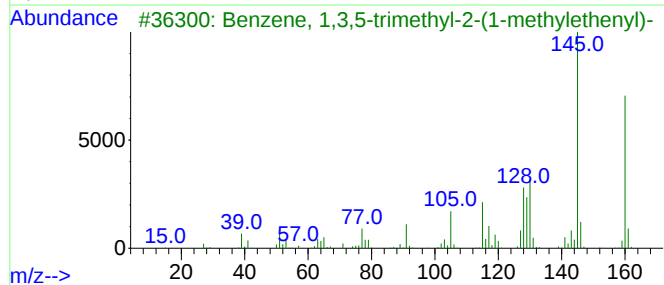
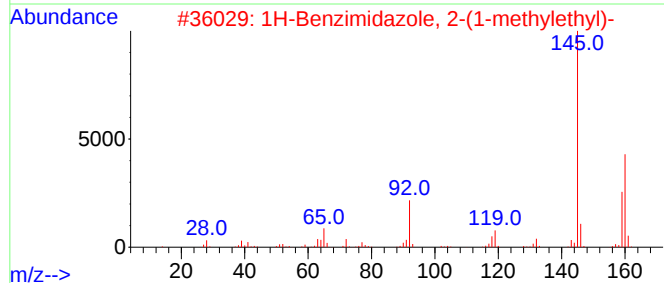
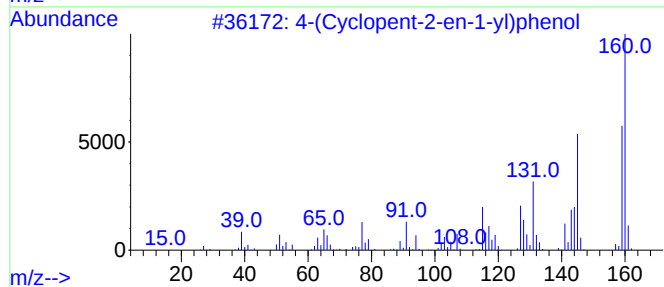
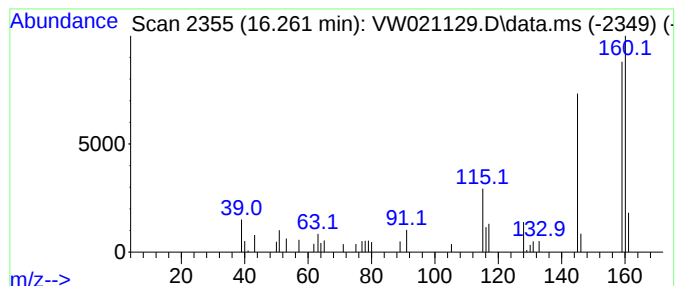
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 22 4-(Cyclopent-2-en-1-yl)phenol Concentration Rank 12

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.261 | 4.97 ug/L | 18411 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 4-(Cyclopent-2-en-1-yl)phenol               | 160 | C11H12O  | 006627-84-5 | 72   |
| 2    |    |   | 1H-Benzimidazole, 2-(1-methylethyl)-        | 160 | C10H12N2 | 005851-43-4 | 53   |
| 3    |    |   | Benzene, 1,3,5-trimethyl-2-(1-methylethyl)- | 160 | C12H16   | 014679-13-1 | 50   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-            | 160 | C12H16   | 021564-91-0 | 49   |
| 5    |    |   | Ethanone, 1-[4-(1-methylethenyl)]-          | 160 | C11H12O  | 005359-04-6 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

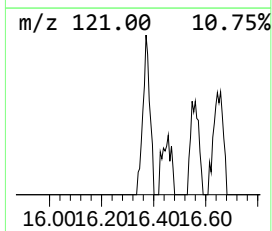
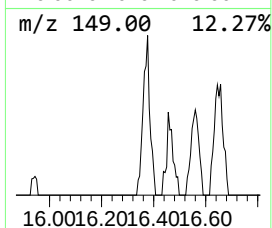
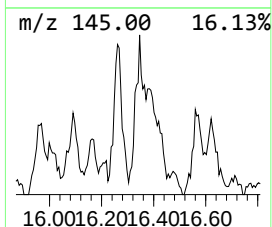
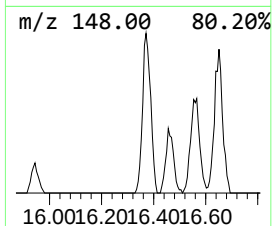
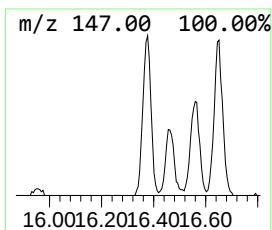
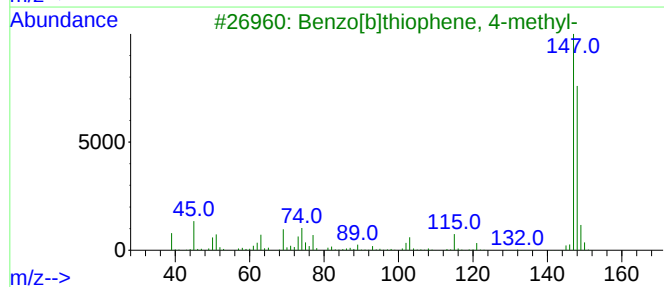
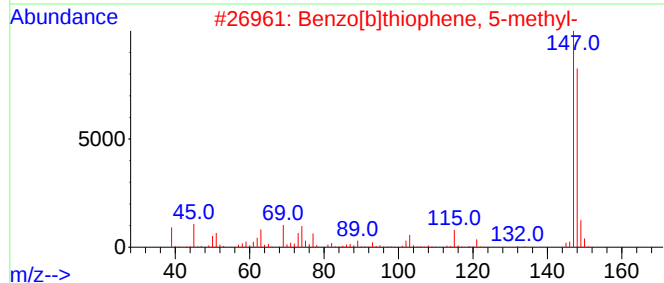
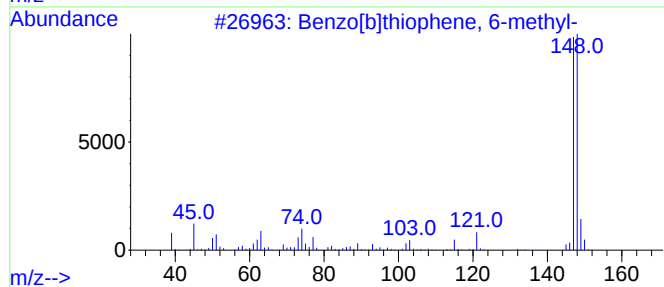
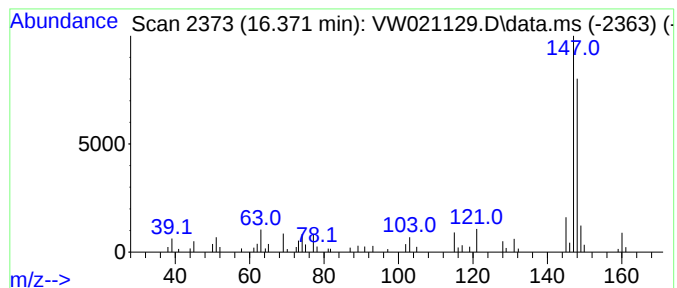
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 23 Benzo[b]thiophene, 6-methyl- Concentration Rank 6

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 16.371 | 11.07 ug/L | 41007 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S   | 016587-47-6 | 93   |
| 2    |    |   | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S   | 014315-14-1 | 91   |
| 3    |    |   | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S   | 014315-11-8 | 91   |
| 4    |    |   | 3-Methylbenzothiophene       | 148 | C9H8S   | 001455-18-1 | 87   |
| 5    |    |   | 3-Methylbenzothiophene       | 148 | C9H8S   | 001455-18-1 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

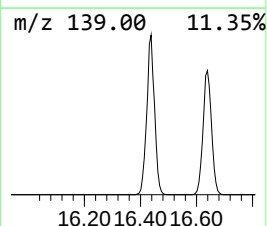
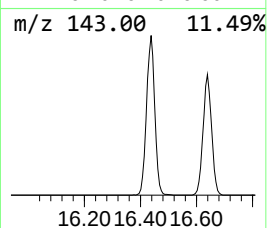
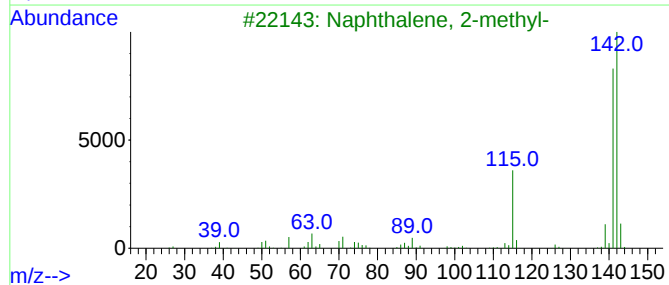
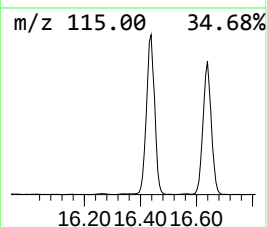
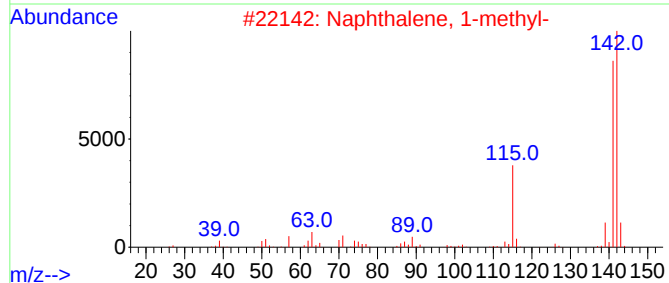
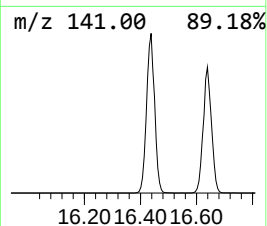
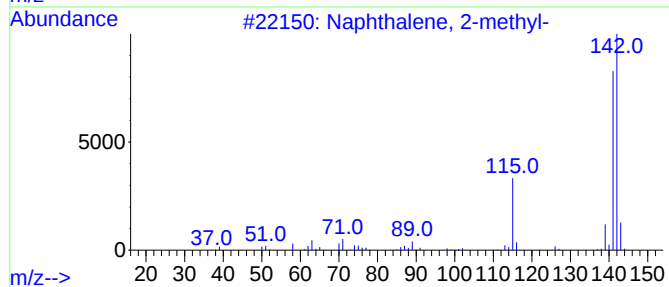
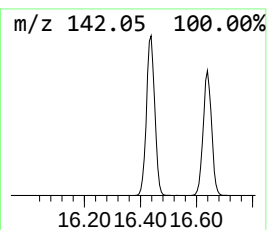
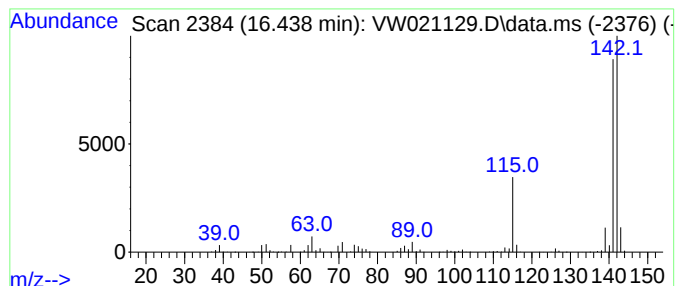
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.438 | 427.73 ug/L | 1584170 | 1,4-Dichlorobenzene-d4 | 13.560 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

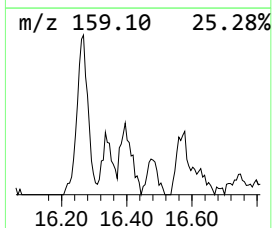
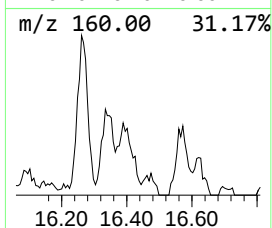
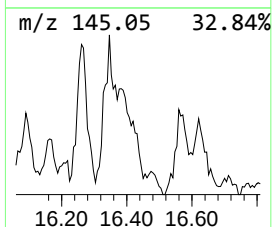
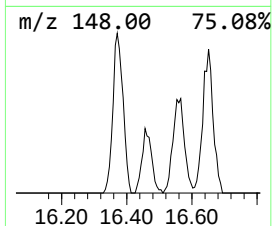
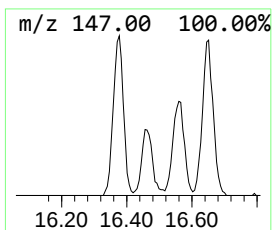
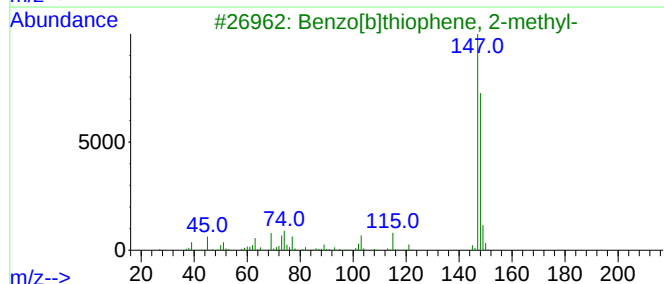
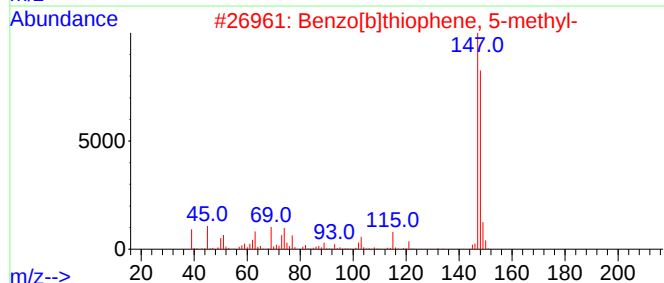
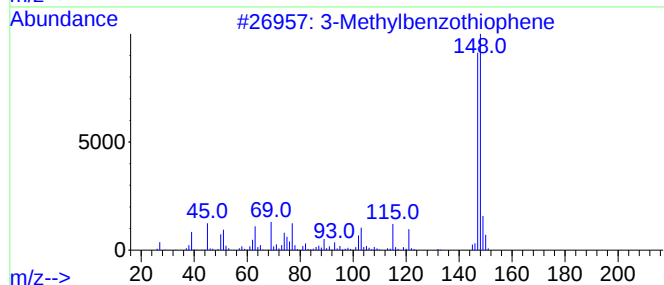
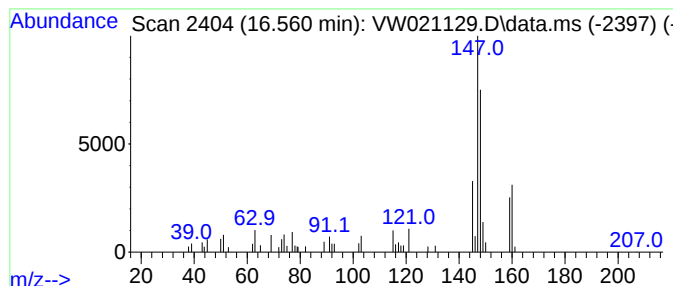
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 25 3-Methylbenzothiophene Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.560 | 6.21 ug/L | 23001 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Methylbenzothiophene       | 148 | C9H8S   | 001455-18-1 | 90   |
| 2    |    |   | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S   | 014315-14-1 | 70   |
| 3    |    |   | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S   | 001195-14-8 | 70   |
| 4    |    |   | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S   | 001195-14-8 | 70   |
| 5    |    |   | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S   | 014315-11-8 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021129.D  
Acq On : 04 Dec 2021 19:40  
Operator : SY/VA  
Sample : M4885-15  
Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9M2

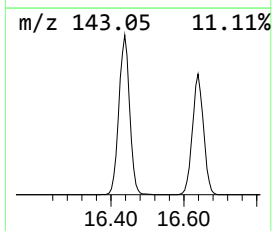
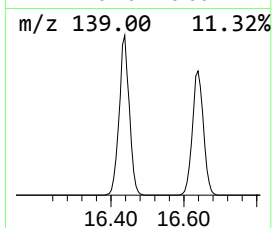
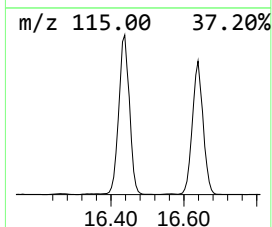
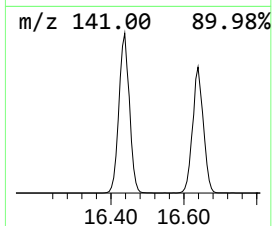
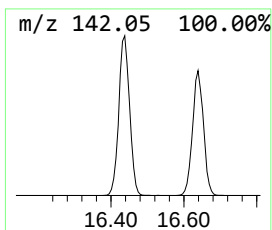
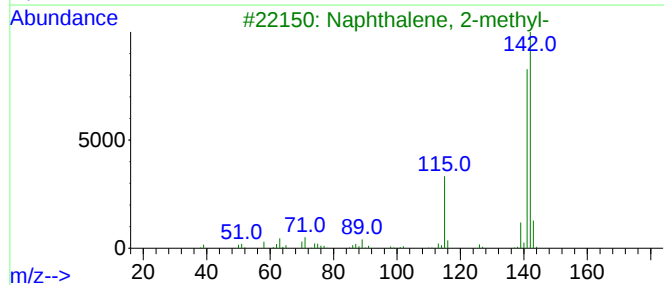
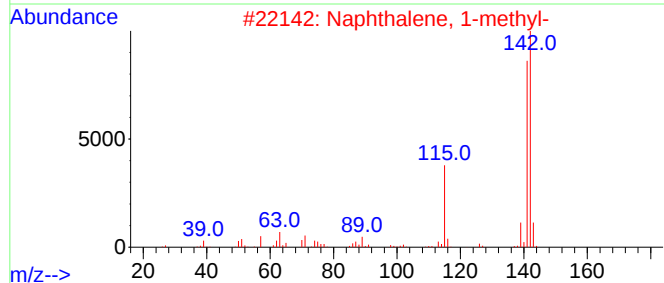
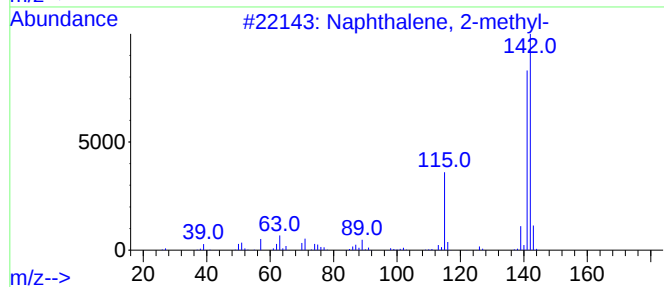
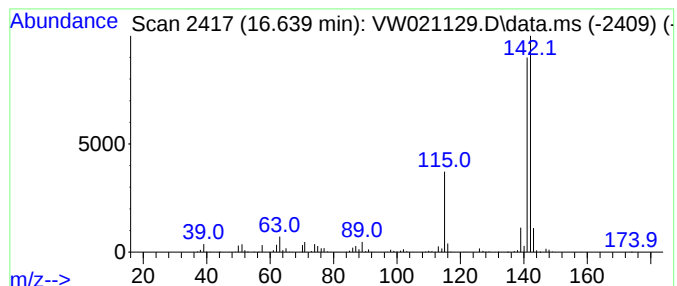
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 26 Naphthalene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.639 | 349.90 ug/L | 1295910 | 1,4-Dichlorobenzene-d4 | 13.560 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021129.D  
 Acq On : 04 Dec 2021 19:40  
 Operator : SY/VA  
 Sample : M4885-15  
 Misc : 3.01g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9M2

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

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |       |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|-------|------|
|                    |        |         |       |          | #                     | RT     | Resp  | Conc |
| Benzene, 2-prop... | 13.347 | 1.8     | ug/L  | 6549     | 3                     | 13.560 | 92591 | 25.0 |
| 2H-Cyclopenta[d... | 13.475 | 3.8     | ug/L  | 14156    | 3                     | 13.560 | 92591 | 25.0 |
| unknown-01         | 13.646 | 1.7     | ug/L  | 6272     | 3                     | 13.560 | 92591 | 25.0 |
| 3-Methylphenyla... | 13.938 | 3.0     | ug/L  | 11252    | 3                     | 13.560 | 92591 | 25.0 |
| 5-(4-Fluorophen... | 14.066 | 4.1     | ug/L  | 15187    | 3                     | 13.560 | 92591 | 25.0 |
| Benzene, 2-ethe... | 14.231 | 2.4     | ug/L  | 8842     | 3                     | 13.560 | 92591 | 25.0 |
| Benzene, 1,2,3,... | 14.414 | 5.8     | ug/L  | 21335    | 3                     | 13.560 | 92591 | 25.0 |
| Benzene, 1,2,3,... | 14.456 | 3.9     | ug/L  | 14329    | 3                     | 13.560 | 92591 | 25.0 |
| Benzene, 1,2,4,... | 14.792 | 7.4     | ug/L  | 27504    | 3                     | 13.560 | 92591 | 25.0 |
| Benzene, pentam... | 15.060 | 4.0     | ug/L  | 15000    | 3                     | 13.560 | 92591 | 25.0 |
| unknown-02         | 15.164 | 1.3     | ug/L  | 4830     | 3                     | 13.560 | 92591 | 25.0 |
| 1H-Benzimidazol... | 15.279 | 12.8    | ug/L  | 47517    | 3                     | 13.560 | 92591 | 25.0 |
| Azulene            | 15.365 | 618.8   | ug/L  | 2291690  | 3                     | 13.560 | 92591 | 25.0 |
| Benzo[b]thiophene  | 15.462 | 18.5    | ug/L  | 68618    | 3                     | 13.560 | 92591 | 25.0 |
| 1H-Indene, 2,3-... | 15.651 | 2.6     | ug/L  | 9504     | 3                     | 13.560 | 92591 | 25.0 |
| 2-tert-Butyltol... | 15.944 | 3.4     | ug/L  | 12676    | 3                     | 13.560 | 92591 | 25.0 |
| 4-(Cyclopent-2-... | 16.261 | 5.0     | ug/L  | 18411    | 3                     | 13.560 | 92591 | 25.0 |
| Benzo[b]thiophe... | 16.371 | 11.1    | ug/L  | 41007    | 3                     | 13.560 | 92591 | 25.0 |
| Naphthalene, 1-... | 16.438 | 427.7   | ug/L  | 1584170  | 3                     | 13.560 | 92591 | 25.0 |
| 3-Methylbenzoth... | 16.560 | 6.2     | ug/L  | 23001    | 3                     | 13.560 | 92591 | 25.0 |
| Naphthalene, 2-... | 16.639 | 349.9   | ug/L  | 1295910  | 3                     | 13.560 | 92591 | 25.0 |