

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
 Data File : VW020776.D  
 Acq On : 05 Nov 2021 13:25  
 Operator : SY/VA  
 Sample : M4464-15  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB7L3

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\SFAMWLM110621SMA.M  
 Title : SFAM01.0

Signal : TIC: VW020776.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         | 2.154       | 36            | 41          | 46           | rBV      | 7746           | 11695         | 1.73%           | 0.103%        |
| 2         | 2.215       | 46            | 51          | 59           | rBV      | 42819          | 61472         | 9.10%           | 0.543%        |
| 3         | 2.318       | 63            | 68          | 71           | rBV      | 39273          | 65204         | 9.65%           | 0.576%        |
| 4         | 2.776       | 137           | 143         | 153          | rVB2     | 16494          | 34406         | 5.09%           | 0.304%        |
| 5         | 2.879       | 155           | 160         | 168          | rVB      | 16851          | 34352         | 5.09%           | 0.304%        |
| 6         | 3.251       | 214           | 221         | 230          | rVB      | 19176          | 45909         | 6.80%           | 0.406%        |
| 7         | 3.574       | 271           | 274         | 275          | rBV2     | 339            | 426           | 0.06%           | 0.004%        |
| 8         | 3.660       | 285           | 288         | 291          | rBV2     | 319            | 369           | 0.05%           | 0.003%        |
| 9         | 3.824       | 307           | 315         | 322          | rVB5     | 1647           | 4307          | 0.64%           | 0.038%        |
| 10        | 4.032       | 336           | 349         | 358          | rBV4     | 101959         | 342513        | 50.71%          | 3.027%        |
| 11        | 4.117       | 358           | 363         | 374          | rVB      | 19581          | 52207         | 7.73%           | 0.461%        |
| 12        | 4.257       | 379           | 386         | 393          | rVB5     | 1281           | 3911          | 0.58%           | 0.035%        |
| 13        | 4.409       | 406           | 411         | 414          | rVB4     | 298            | 514           | 0.08%           | 0.005%        |
| 14        | 4.538       | 430           | 432         | 435          | rBV3     | 234            | 317           | 0.05%           | 0.003%        |
| 15        | 4.666       | 444           | 453         | 465          | rBV      | 14834          | 45377         | 6.72%           | 0.401%        |
| 16        | 4.915       | 482           | 494         | 508          | rVV      | 33455          | 107147        | 15.86%          | 0.947%        |
| 17        | 5.147       | 526           | 532         | 534          | rBV2     | 924            | 1673          | 0.25%           | 0.015%        |
| 18        | 5.422       | 562           | 577         | 593          | rBV      | 89587          | 297122        | 43.99%          | 2.626%        |
| 19        | 5.525       | 593           | 594         | 598          | rVB4     | 410            | 368           | 0.05%           | 0.003%        |
| 20        | 5.623       | 607           | 610         | 612          | rBV2     | 222            | 296           | 0.04%           | 0.003%        |
| 21        | 5.940       | 652           | 662         | 673          | rVB5     | 2252           | 6666          | 0.99%           | 0.059%        |
| 22        | 6.214       | 703           | 707         | 709          | rBV3     | 217            | 351           | 0.05%           | 0.003%        |
| 23        | 6.434       | 740           | 743         | 745          | rBV3     | 258            | 312           | 0.05%           | 0.003%        |
| 24        | 6.690       | 783           | 785         | 788          | rVB3     | 270            | 312           | 0.05%           | 0.003%        |
| 25        | 6.970       | 829           | 831         | 834          | rVV2     | 446            | 506           | 0.07%           | 0.004%        |
| 26        | 7.000       | 834           | 836         | 838          | rVV3     | 359            | 343           | 0.05%           | 0.003%        |
| 27        | 7.074       | 838           | 848         | 854          | rVV      | 10714          | 29793         | 4.41%           | 0.263%        |
| 28        | 7.165       | 854           | 863         | 878          | rVV      | 101225         | 270089        | 39.99%          | 2.387%        |
| 29        | 7.513       | 910           | 920         | 932          | rVB2     | 43235          | 107940        | 15.98%          | 0.954%        |
| 30        | 7.647       | 932           | 942         | 954          | rBV      | 74219          | 179750        | 26.61%          | 1.589%        |
| 31        | 7.872       | 968           | 979         | 985          | rBV      | 44533          | 112437        | 16.65%          | 0.994%        |
| 32        | 7.958       | 985           | 993         | 1002         | rVB      | 71782          | 186191        | 27.57%          | 1.646%        |
| 33        | 8.067       | 1002          | 1011        | 1023         | rVB2     | 57846          | 143595        | 21.26%          | 1.269%        |
| 34        | 8.275       | 1034          | 1045        | 1057         | rBV2     | 137185         | 404772        | 59.93%          | 3.578%        |
| 35        | 8.397       | 1058          | 1065        | 1074         | rVB      | 27688          | 61446         | 9.10%           | 0.543%        |
| 36        | 8.671       | 1105          | 1110        | 1111         | rBV3     | 781            | 1140          | 0.17%           | 0.010%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
 Data File : VW020776.D  
 Acq On : 05 Nov 2021 13:25  
 Operator : SY/VA  
 Sample : M4464-15  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB7L3

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\SFAMWLM110621SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 8.842  | 1128 | 1138 | 1148 | rBV  | 197563 | 394549 | 58.42%  | 3.487% |
| 38 | 9.092  | 1170 | 1179 | 1192 | rVB  | 295004 | 582853 | 86.30%  | 5.152% |
| 39 | 9.274  | 1201 | 1209 | 1213 | rVV  | 95110  | 192434 | 28.49%  | 1.701% |
| 40 | 9.335  | 1213 | 1219 | 1232 | rVV2 | 261958 | 667729 | 98.87%  | 5.902% |
| 41 | 9.445  | 1232 | 1237 | 1246 | rVB  | 6184   | 13292  | 1.97%   | 0.117% |
| 42 | 9.646  | 1260 | 1270 | 1276 | rBV  | 90585  | 177649 | 26.30%  | 1.570% |
| 43 | 9.945  | 1315 | 1319 | 1322 | rBV4 | 231    | 324    | 0.05%   | 0.003% |
| 44 | 10.037 | 1326 | 1334 | 1336 | rVV  | 58892  | 108756 | 16.10%  | 0.961% |
| 45 | 10.073 | 1336 | 1340 | 1347 | rVV  | 100990 | 178075 | 26.37%  | 1.574% |
| 46 | 10.146 | 1347 | 1352 | 1358 | rVV2 | 2246   | 4492   | 0.67%   | 0.040% |
| 47 | 10.219 | 1361 | 1364 | 1366 | rVB3 | 292    | 320    | 0.05%   | 0.003% |
| 48 | 10.323 | 1373 | 1381 | 1386 | rBV  | 206193 | 361898 | 53.58%  | 3.199% |
| 49 | 10.384 | 1386 | 1391 | 1401 | rVB  | 277268 | 483928 | 71.65%  | 4.277% |
| 50 | 10.579 | 1416 | 1423 | 1425 | rBV  | 44599  | 77320  | 11.45%  | 0.683% |
| 51 | 10.707 | 1436 | 1444 | 1453 | rVB2 | 16359  | 29782  | 4.41%   | 0.263% |
| 52 | 10.860 | 1461 | 1469 | 1475 | rBV  | 389120 | 675391 | 100.00% | 5.970% |
| 53 | 10.921 | 1475 | 1479 | 1483 | rVV  | 45511  | 75385  | 11.16%  | 0.666% |
| 54 | 10.969 | 1483 | 1487 | 1493 | rVB  | 57778  | 91338  | 13.52%  | 0.807% |
| 55 | 11.067 | 1498 | 1503 | 1507 | rVV2 | 3840   | 6606   | 0.98%   | 0.058% |
| 56 | 11.128 | 1507 | 1513 | 1521 | rVV  | 81116  | 139819 | 20.70%  | 1.236% |
| 57 | 11.238 | 1527 | 1531 | 1533 | rBV3 | 234    | 325    | 0.05%   | 0.003% |
| 58 | 11.628 | 1586 | 1595 | 1605 | rBV  | 272670 | 470362 | 69.64%  | 4.157% |
| 59 | 11.731 | 1605 | 1612 | 1619 | rVV  | 243804 | 394478 | 58.41%  | 3.487% |
| 60 | 11.841 | 1623 | 1630 | 1639 | rBV  | 160038 | 258029 | 38.20%  | 2.281% |
| 61 | 11.957 | 1644 | 1649 | 1651 | rVB3 | 292    | 337    | 0.05%   | 0.003% |
| 62 | 12.122 | 1672 | 1676 | 1677 | rBV2 | 1174   | 1402   | 0.21%   | 0.012% |
| 63 | 12.164 | 1677 | 1683 | 1691 | rVV  | 192980 | 312538 | 46.28%  | 2.762% |
| 64 | 12.463 | 1724 | 1732 | 1739 | rVV  | 231097 | 358833 | 53.13%  | 3.172% |
| 65 | 12.609 | 1747 | 1756 | 1761 | rBV3 | 10901  | 20385  | 3.02%   | 0.180% |
| 66 | 12.688 | 1761 | 1769 | 1773 | rBV  | 70160  | 119637 | 17.71%  | 1.057% |
| 67 | 12.743 | 1773 | 1778 | 1788 | rVB  | 244538 | 397161 | 58.80%  | 3.510% |
| 68 | 12.859 | 1795 | 1797 | 1801 | rVB4 | 316    | 412    | 0.06%   | 0.004% |
| 69 | 12.938 | 1804 | 1810 | 1818 | rVV8 | 1496   | 3856   | 0.57%   | 0.034% |
| 70 | 13.006 | 1818 | 1821 | 1827 | rVB3 | 1422   | 2284   | 0.34%   | 0.020% |
| 71 | 13.115 | 1836 | 1839 | 1840 | rBV3 | 309    | 371    | 0.05%   | 0.003% |
| 72 | 13.188 | 1847 | 1851 | 1856 | rVB2 | 1747   | 2836   | 0.42%   | 0.025% |
| 73 | 13.249 | 1856 | 1861 | 1864 | rBV3 | 1068   | 1646   | 0.24%   | 0.015% |
| 74 | 13.298 | 1866 | 1869 | 1876 | rVB3 | 802    | 1207   | 0.18%   | 0.011% |
| 75 | 13.402 | 1879 | 1886 | 1891 | rBV4 | 1902   | 3764   | 0.56%   | 0.033% |
| 76 | 13.499 | 1894 | 1902 | 1906 | rBV  | 257101 | 420943 | 62.33%  | 3.721% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
 Data File : VW020776.D  
 Acq On : 05 Nov 2021 13:25  
 Operator : SY/VA  
 Sample : M4464-15  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB7L3

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\SFAMWLM110621SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.554 | 1906 | 1911 | 1926 | rVV  | 319163 | 519364 | 76.90% | 4.591% |
| 78  | 13.713 | 1934 | 1937 | 1940 | rBV2 | 310    | 317    | 0.05%  | 0.003% |
| 79  | 13.761 | 1940 | 1945 | 1950 | rBV3 | 1666   | 2776   | 0.41%  | 0.025% |
| 80  | 13.853 | 1953 | 1960 | 1971 | rBV3 | 249353 | 524003 | 77.59% | 4.632% |
| 81  | 14.066 | 1986 | 1995 | 2001 | rVV2 | 7681   | 13472  | 1.99%  | 0.119% |
| 82  | 14.322 | 2033 | 2037 | 2042 | rVB4 | 1333   | 2156   | 0.32%  | 0.019% |
| 83  | 14.359 | 2042 | 2043 | 2047 | rVB3 | 322    | 292    | 0.04%  | 0.003% |
| 84  | 14.481 | 2057 | 2063 | 2069 | rBV2 | 23545  | 39485  | 5.85%  | 0.349% |
| 85  | 14.627 | 2080 | 2087 | 2094 | rVV  | 340829 | 541755 | 80.21% | 4.788% |
| 86  | 14.688 | 2094 | 2097 | 2100 | rVV3 | 303    | 436    | 0.06%  | 0.004% |
| 87  | 14.719 | 2100 | 2102 | 2106 | rVB4 | 405    | 491    | 0.07%  | 0.004% |
| 88  | 14.908 | 2129 | 2133 | 2137 | rVB5 | 688    | 1020   | 0.15%  | 0.009% |
| 89  | 14.969 | 2140 | 2143 | 2145 | rVB3 | 248    | 320    | 0.05%  | 0.003% |
| 90  | 15.133 | 2165 | 2170 | 2174 | rBV3 | 3977   | 6226   | 0.92%  | 0.055% |
| 91  | 15.365 | 2201 | 2208 | 2211 | rVV  | 993    | 1864   | 0.28%  | 0.016% |
| 92  | 15.432 | 2215 | 2219 | 2223 | rVV2 | 2672   | 4010   | 0.59%  | 0.035% |
| 93  | 15.487 | 2223 | 2228 | 2234 | rVV  | 2139   | 3204   | 0.47%  | 0.028% |
| 94  | 15.554 | 2234 | 2239 | 2243 | rVV3 | 1421   | 2187   | 0.32%  | 0.019% |
| 95  | 15.883 | 2291 | 2293 | 2297 | rVV4 | 557    | 584    | 0.09%  | 0.005% |
| 96  | 16.029 | 2314 | 2317 | 2319 | rBV4 | 337    | 415    | 0.06%  | 0.004% |
| 97  | 16.334 | 2366 | 2367 | 2372 | rBV3 | 321    | 413    | 0.06%  | 0.004% |
| 98  | 16.401 | 2376 | 2378 | 2380 | rBV2 | 345    | 317    | 0.05%  | 0.003% |
| 99  | 16.444 | 2382 | 2385 | 2386 | rVB3 | 339    | 307    | 0.05%  | 0.003% |
| 100 | 16.462 | 2386 | 2388 | 2390 | rBV2 | 324    | 292    | 0.04%  | 0.003% |

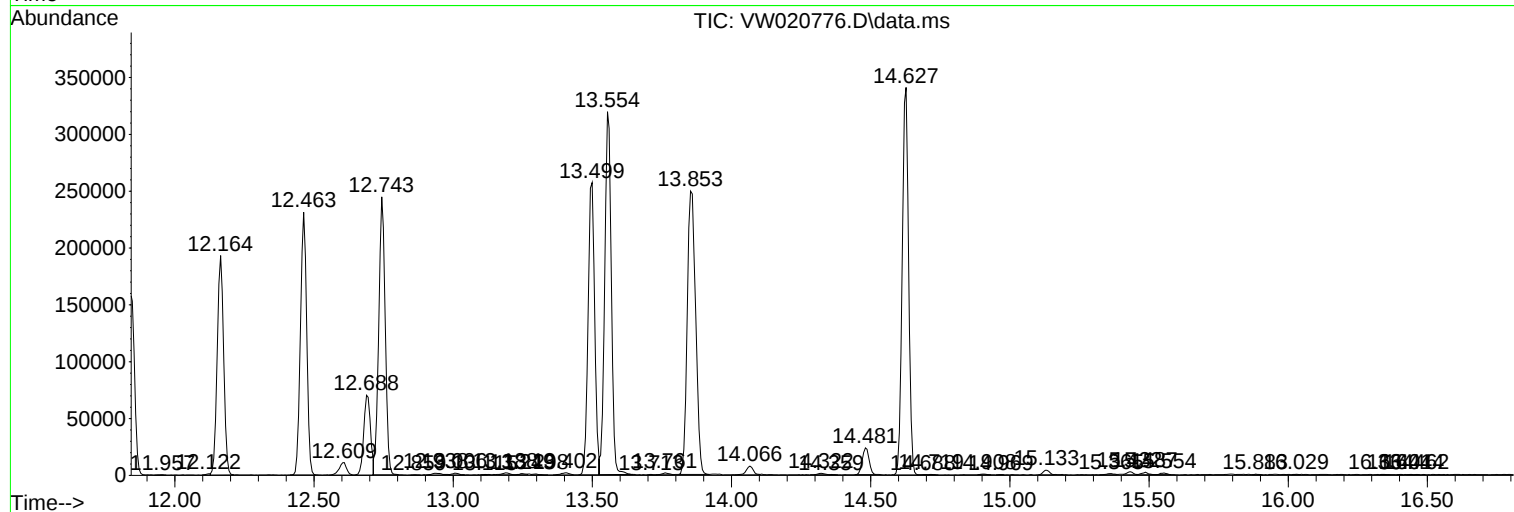
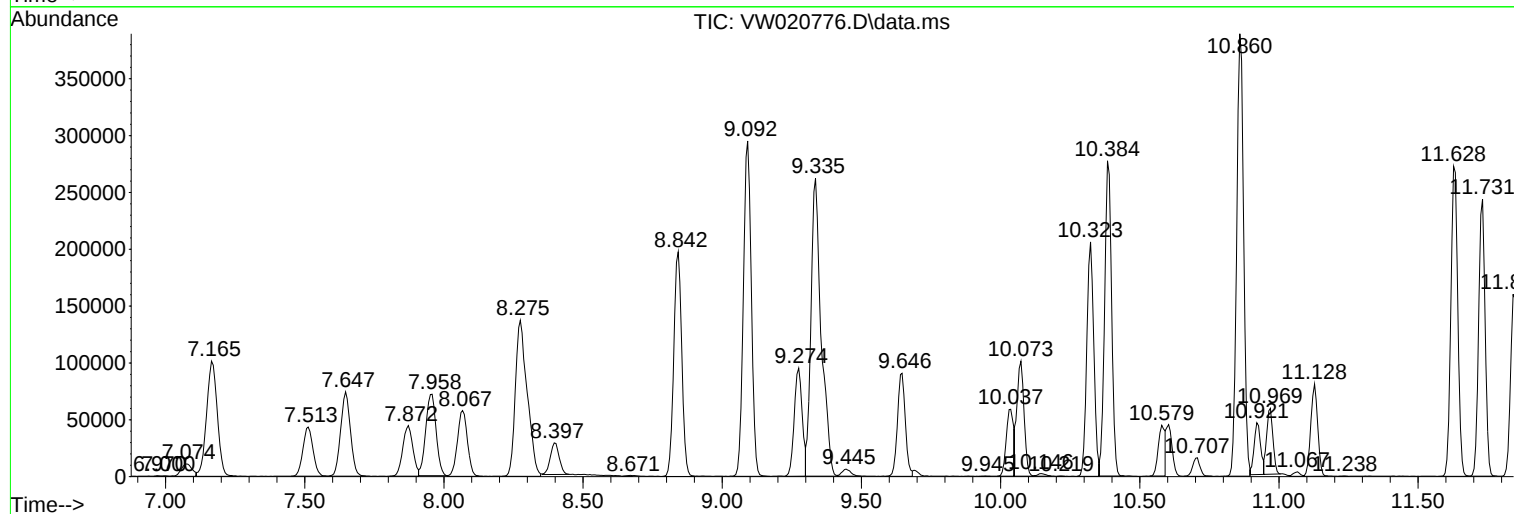
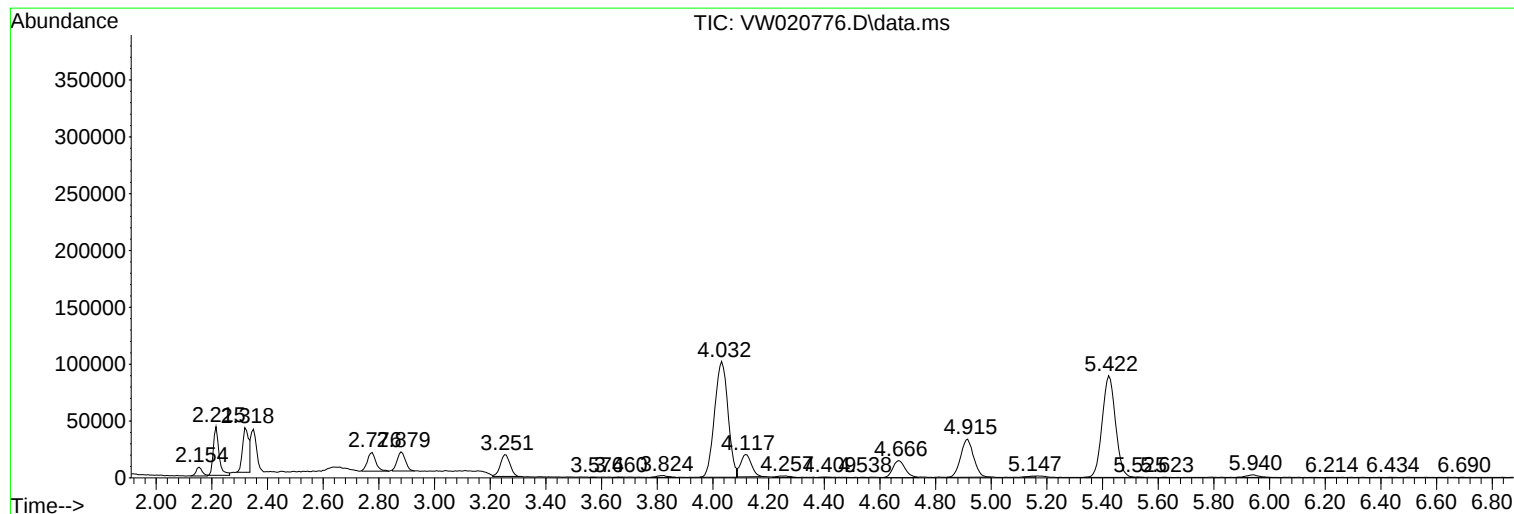
Sum of corrected areas: 11313680

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
Data File : VW020776.D  
Acq On : 05 Nov 2021 13:25  
Operator : SY/VA  
Sample : M4464-15  
Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB7L3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
Data File : VW020776.D  
Acq On : 05 Nov 2021 13:25  
Operator : SY/VA  
Sample : M4464-15  
Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB7L3

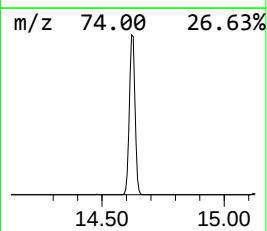
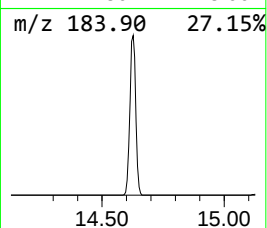
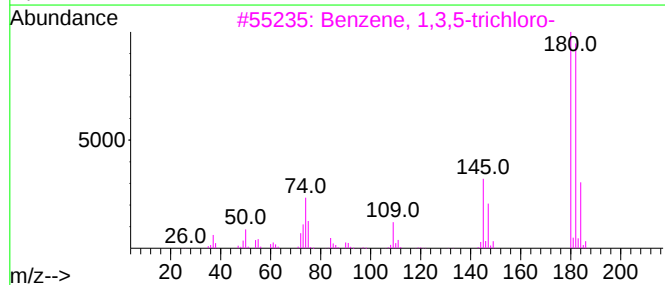
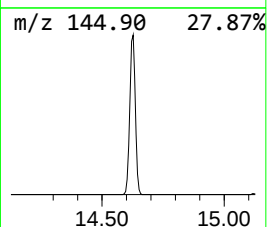
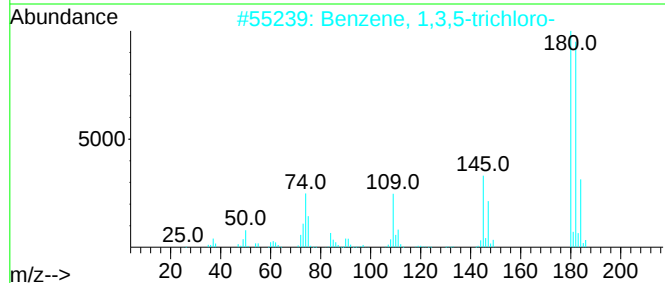
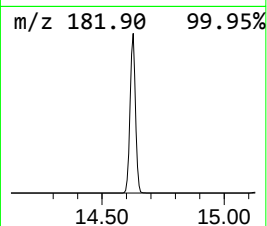
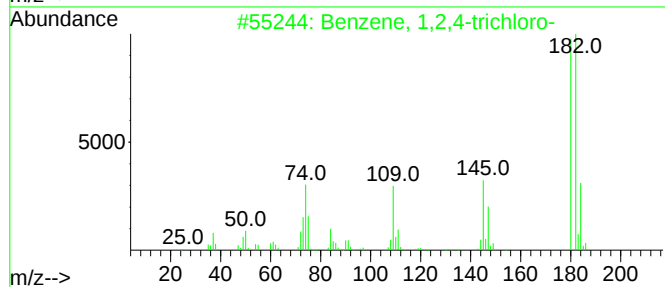
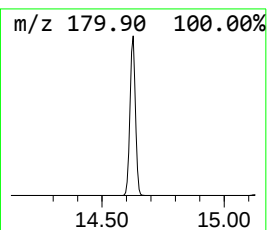
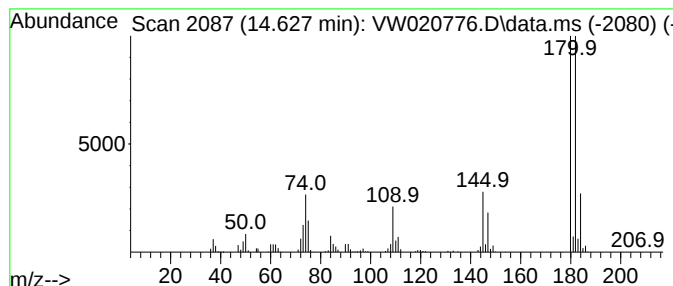
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.627 | 26.08 ug/L | 541755 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 2    |    |   | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98   |
| 3    |    |   | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98   |
| 4    |    |   | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |
| 5    |    |   | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 98   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
Data File : VW020776.D  
Acq On : 05 Nov 2021 13:25  
Operator : SY/VA  
Sample : M4464-15  
Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB7L3

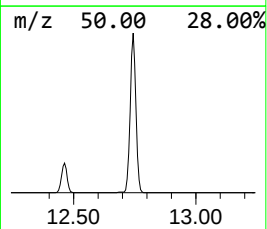
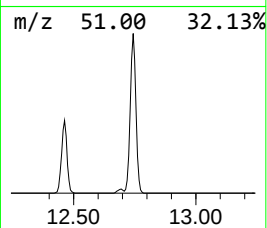
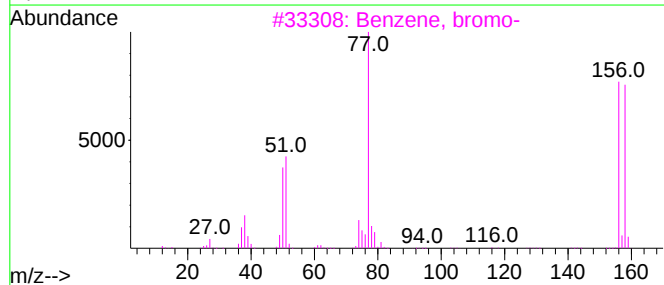
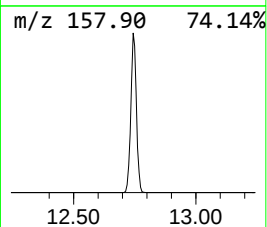
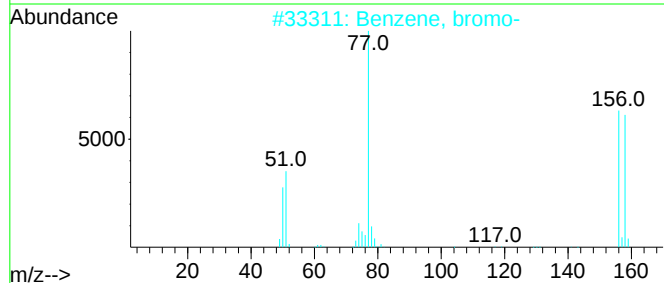
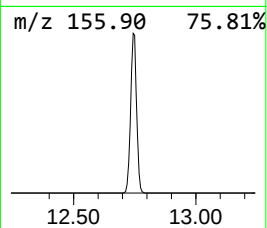
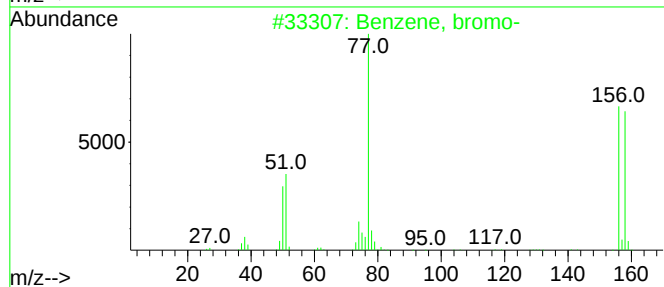
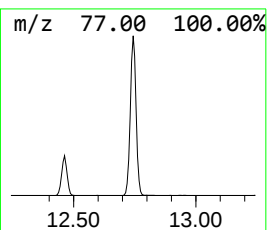
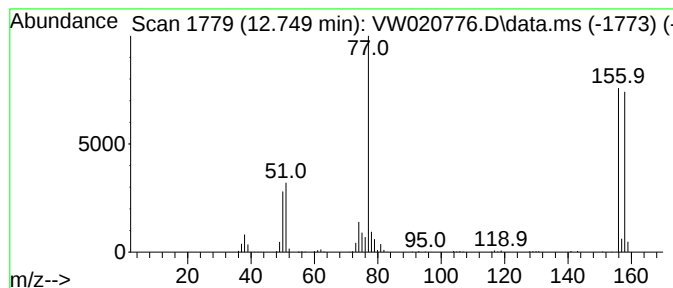
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 3 Benzene, bromo- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.743 | 19.12 ug/L | 397161 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 97   |
| 2    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 3    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 4    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 5    |    |   | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
Data File : VW020776.D  
Acq On : 05 Nov 2021 13:25  
Operator : SY/VA  
Sample : M4464-15  
Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB7L3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.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 |
| Benzene, 1,3,5-... | 14.627 | 26.1    | ug/L  | 541755   | 3                     | 13.560 | 519364 | 25.0 |
| Benzene, bromo-    | 12.743 | 19.1    | ug/L  | 397161   | 3                     | 13.560 | 519364 | 25.0 |