

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
 Data File : VW020427.D  
 Acq On : 08 Oct 2021 22:51  
 Operator : SY/VA  
 Sample : VIBLK167  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK467

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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

Signal : TIC: VW020427.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       | 67            | 73          | 80           | rVB      | 64634          | 104462        | 12.47%          | 1.682%        |
| 2         | 2.879       | 152           | 160         | 170          | rBV      | 29084          | 61140         | 7.30%           | 0.984%        |
| 3         | 3.379       | 238           | 242         | 244          | rVB3     | 235            | 296           | 0.04%           | 0.005%        |
| 4         | 3.550       | 264           | 270         | 274          | rBV3     | 246            | 657           | 0.08%           | 0.011%        |
| 5         | 3.842       | 316           | 318         | 323          | rVB3     | 113            | 155           | 0.02%           | 0.002%        |
| 6         | 3.940       | 330           | 334         | 335          | rBV2     | 202            | 215           | 0.03%           | 0.003%        |
| 7         | 4.013       | 335           | 346         | 363          | rBV      | 85593          | 255854        | 30.54%          | 4.118%        |
| 8         | 4.123       | 363           | 364         | 366          | rBV2     | 234            | 133           | 0.02%           | 0.002%        |
| 9         | 4.361       | 401           | 403         | 405          | rVB      | 205            | 167           | 0.02%           | 0.003%        |
| 10        | 4.385       | 405           | 407         | 409          | rBV2     | 180            | 174           | 0.02%           | 0.003%        |
| 11        | 4.416       | 409           | 412         | 415          | rBV2     | 147            | 261           | 0.03%           | 0.004%        |
| 12        | 4.598       | 441           | 442         | 446          | rBV2     | 131            | 134           | 0.02%           | 0.002%        |
| 13        | 4.696       | 454           | 458         | 460          | rBV      | 180            | 308           | 0.04%           | 0.005%        |
| 14        | 4.757       | 466           | 468         | 471          | rVV2     | 124            | 167           | 0.02%           | 0.003%        |
| 15        | 4.806       | 474           | 476         | 479          | rVV2     | 168            | 189           | 0.02%           | 0.003%        |
| 16        | 4.915       | 482           | 494         | 512          | rVV3     | 30025          | 99032         | 11.82%          | 1.594%        |
| 17        | 5.860       | 647           | 649         | 653          | rBV2     | 108            | 157           | 0.02%           | 0.003%        |
| 18        | 5.940       | 653           | 662         | 674          | rVB3     | 7558           | 21693         | 2.59%           | 0.349%        |
| 19        | 6.775       | 797           | 799         | 802          | rBV2     | 127            | 135           | 0.02%           | 0.002%        |
| 20        | 6.805       | 802           | 804         | 807          | rBV2     | 134            | 134           | 0.02%           | 0.002%        |
| 21        | 7.086       | 840           | 850         | 868          | rBV      | 22535          | 66351         | 7.92%           | 1.068%        |
| 22        | 7.482       | 912           | 915         | 919          | rVV2     | 139            | 232           | 0.03%           | 0.004%        |
| 23        | 7.653       | 932           | 943         | 956          | rBV      | 138822         | 343826        | 41.04%          | 5.535%        |
| 24        | 7.769       | 958           | 962         | 964          | rBV2     | 114            | 129           | 0.02%           | 0.002%        |
| 25        | 7.951       | 988           | 992         | 997          | rVB2     | 379            | 459           | 0.05%           | 0.007%        |
| 26        | 8.281       | 1034          | 1046        | 1061         | rBV2     | 279168         | 837844        | 100.00%         | 13.487%       |
| 27        | 8.628       | 1101          | 1103        | 1107         | rVB      | 678            | 711           | 0.08%           | 0.011%        |
| 28        | 8.689       | 1112          | 1113        | 1117         | rVB3     | 161            | 169           | 0.02%           | 0.003%        |
| 29        | 8.842       | 1130          | 1138        | 1159         | rVB      | 255095         | 510635        | 60.95%          | 8.220%        |
| 30        | 8.994       | 1161          | 1163        | 1166         | rBV2     | 160            | 194           | 0.02%           | 0.003%        |
| 31        | 9.079       | 1174          | 1177        | 1183         | rVB3     | 719            | 989           | 0.12%           | 0.016%        |
| 32        | 9.274       | 1200          | 1209        | 1222         | rVV      | 199137         | 404562        | 48.29%          | 6.512%        |
| 33        | 9.384       | 1226          | 1227        | 1230         | rVB      | 205            | 139           | 0.02%           | 0.002%        |
| 34        | 9.512       | 1246          | 1248        | 1251         | rBV      | 108            | 175           | 0.02%           | 0.003%        |
| 35        | 9.652       | 1269          | 1271        | 1273         | rVV2     | 127            | 145           | 0.02%           | 0.002%        |
| 36        | 9.811       | 1293          | 1297        | 1301         | rBV2     | 106            | 157           | 0.02%           | 0.003%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
 Data File : VW020427.D  
 Acq On : 08 Oct 2021 22:51  
 Operator : SY/VA  
 Sample : VIBLK167  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK467

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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 9.945  | 1316 | 1319 | 1321 | rVB  | 123    | 134    | 0.02%  | 0.002%  |
| 38 | 10.036 | 1324 | 1334 | 1343 | rBV  | 101942 | 180031 | 21.49% | 2.898%  |
| 39 | 10.323 | 1370 | 1381 | 1388 | rBV  | 400753 | 692032 | 82.60% | 11.140% |
| 40 | 10.390 | 1388 | 1392 | 1404 | rVB  | 6619   | 11562  | 1.38%  | 0.186%  |
| 41 | 10.579 | 1416 | 1423 | 1435 | rBV  | 68105  | 115928 | 13.84% | 1.866%  |
| 42 | 10.707 | 1438 | 1444 | 1452 | rBV  | 5277   | 8906   | 1.06%  | 0.143%  |
| 43 | 10.859 | 1465 | 1469 | 1473 | rVB2 | 230    | 310    | 0.04%  | 0.005%  |
| 44 | 10.927 | 1473 | 1480 | 1494 | rBV  | 88406  | 151321 | 18.06% | 2.436%  |
| 45 | 11.067 | 1499 | 1503 | 1507 | rVB2 | 473    | 782    | 0.09%  | 0.013%  |
| 46 | 11.134 | 1513 | 1514 | 1518 | rVB2 | 149    | 155    | 0.02%  | 0.002%  |
| 47 | 11.396 | 1555 | 1557 | 1561 | rVB2 | 114    | 132    | 0.02%  | 0.002%  |
| 48 | 11.433 | 1561 | 1563 | 1569 | rBV3 | 157    | 237    | 0.03%  | 0.004%  |
| 49 | 11.634 | 1588 | 1596 | 1607 | rVV  | 379434 | 627435 | 74.89% | 10.100% |
| 50 | 11.731 | 1610 | 1612 | 1617 | rVB2 | 480    | 538    | 0.06%  | 0.009%  |
| 51 | 11.798 | 1622 | 1623 | 1626 | rBV  | 174    | 167    | 0.02%  | 0.003%  |
| 52 | 11.835 | 1626 | 1629 | 1636 | rVV3 | 636    | 1341   | 0.16%  | 0.022%  |
| 53 | 12.012 | 1656 | 1658 | 1661 | rBV2 | 143    | 154    | 0.02%  | 0.002%  |
| 54 | 12.054 | 1663 | 1665 | 1669 | rVB2 | 160    | 200    | 0.02%  | 0.003%  |
| 55 | 12.170 | 1678 | 1684 | 1690 | rBV4 | 507    | 974    | 0.12%  | 0.016%  |
| 56 | 12.231 | 1692 | 1694 | 1701 | rVB2 | 245    | 381    | 0.05%  | 0.006%  |
| 57 | 12.286 | 1701 | 1703 | 1706 | rBV3 | 123    | 152    | 0.02%  | 0.002%  |
| 58 | 12.463 | 1729 | 1732 | 1736 | rBV3 | 240    | 341    | 0.04%  | 0.005%  |
| 59 | 12.597 | 1748 | 1754 | 1763 | rVB3 | 5379   | 11558  | 1.38%  | 0.186%  |
| 60 | 12.695 | 1763 | 1770 | 1776 | rBV  | 136393 | 231855 | 27.67% | 3.732%  |
| 61 | 12.749 | 1776 | 1779 | 1784 | rBV4 | 1470   | 2207   | 0.26%  | 0.036%  |
| 62 | 12.841 | 1792 | 1794 | 1795 | rBV  | 143    | 142    | 0.02%  | 0.002%  |
| 63 | 12.957 | 1805 | 1813 | 1819 | rBV6 | 1403   | 3942   | 0.47%  | 0.063%  |
| 64 | 13.012 | 1819 | 1822 | 1827 | rVB3 | 522    | 708    | 0.08%  | 0.011%  |
| 65 | 13.133 | 1838 | 1842 | 1846 | rBV5 | 915    | 1319   | 0.16%  | 0.021%  |
| 66 | 13.188 | 1847 | 1851 | 1857 | rVB2 | 2917   | 4522   | 0.54%  | 0.073%  |
| 67 | 13.249 | 1857 | 1861 | 1864 | rBV4 | 761    | 1266   | 0.15%  | 0.020%  |
| 68 | 13.298 | 1864 | 1869 | 1873 | rVB2 | 796    | 1584   | 0.19%  | 0.025%  |
| 69 | 13.408 | 1878 | 1887 | 1893 | rBV4 | 2781   | 5536   | 0.66%  | 0.089%  |
| 70 | 13.469 | 1896 | 1897 | 1899 | rBV2 | 271    | 284    | 0.03%  | 0.005%  |
| 71 | 13.560 | 1899 | 1912 | 1918 | rBV  | 371127 | 580628 | 69.30% | 9.346%  |
| 72 | 13.682 | 1930 | 1932 | 1934 | rVB2 | 289    | 247    | 0.03%  | 0.004%  |
| 73 | 13.707 | 1934 | 1936 | 1939 | rBV3 | 400    | 435    | 0.05%  | 0.007%  |
| 74 | 13.761 | 1939 | 1945 | 1950 | rBV4 | 2478   | 4592   | 0.55%  | 0.074%  |
| 75 | 13.853 | 1953 | 1960 | 1973 | rBV  | 345276 | 563012 | 67.20% | 9.063%  |
| 76 | 14.011 | 1984 | 1986 | 1987 | rBV2 | 229    | 188    | 0.02%  | 0.003%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
 Data File : VW020427.D  
 Acq On : 08 Oct 2021 22:51  
 Operator : SY/VA  
 Sample : VIBLK167  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK467

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\SFAMWLM100821SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |       |        |        |        |
|-----|--------|------|------|------|------|-------|--------|--------|--------|
| 77  | 14.066 | 1989 | 1995 | 1999 | rVV2 | 8926  | 14767  | 1.76%  | 0.238% |
| 78  | 14.164 | 1999 | 2011 | 2032 | rVV5 | 46488 | 233608 | 27.88% | 3.760% |
| 79  | 14.322 | 2033 | 2037 | 2042 | rVB5 | 877   | 1305   | 0.16%  | 0.021% |
| 80  | 14.402 | 2048 | 2050 | 2052 | rBV2 | 197   | 189    | 0.02%  | 0.003% |
| 81  | 14.499 | 2061 | 2066 | 2068 | rBV2 | 499   | 729    | 0.09%  | 0.012% |
| 82  | 14.578 | 2076 | 2079 | 2080 | rVB3 | 205   | 183    | 0.02%  | 0.003% |
| 83  | 14.603 | 2080 | 2083 | 2084 | rBV3 | 234   | 236    | 0.03%  | 0.004% |
| 84  | 14.621 | 2084 | 2086 | 2092 | rVV3 | 378   | 442    | 0.05%  | 0.007% |
| 85  | 14.719 | 2099 | 2102 | 2105 | rVV3 | 271   | 327    | 0.04%  | 0.005% |
| 86  | 14.853 | 2121 | 2124 | 2125 | rBV2 | 204   | 207    | 0.02%  | 0.003% |
| 87  | 14.877 | 2126 | 2128 | 2131 | rBV2 | 188   | 165    | 0.02%  | 0.003% |
| 88  | 14.950 | 2138 | 2140 | 2141 | rBV2 | 203   | 172    | 0.02%  | 0.003% |
| 89  | 15.078 | 2151 | 2161 | 2170 | rBV3 | 9365  | 26702  | 3.19%  | 0.430% |
| 90  | 15.401 | 2211 | 2214 | 2216 | rBV3 | 377   | 431    | 0.05%  | 0.007% |
| 91  | 15.487 | 2221 | 2228 | 2237 | rVB2 | 5789  | 9615   | 1.15%  | 0.155% |
| 92  | 15.584 | 2242 | 2244 | 2245 | rBV2 | 284   | 175    | 0.02%  | 0.003% |
| 93  | 15.633 | 2250 | 2252 | 2253 | rBV  | 189   | 144    | 0.02%  | 0.002% |
| 94  | 15.688 | 2259 | 2261 | 2262 | rBV  | 124   | 131    | 0.02%  | 0.002% |
| 95  | 15.792 | 2275 | 2278 | 2284 | rBV3 | 705   | 1080   | 0.13%  | 0.017% |
| 96  | 15.859 | 2284 | 2289 | 2290 | rBV3 | 1167  | 1533   | 0.18%  | 0.025% |
| 97  | 15.950 | 2302 | 2304 | 2305 | rBV2 | 255   | 230    | 0.03%  | 0.004% |
| 98  | 16.157 | 2336 | 2338 | 2339 | rVB2 | 267   | 150    | 0.02%  | 0.002% |
| 99  | 16.176 | 2339 | 2341 | 2345 | rBV3 | 181   | 204    | 0.02%  | 0.003% |
| 100 | 16.657 | 2418 | 2420 | 2421 | rBV2 | 259   | 214    | 0.03%  | 0.003% |

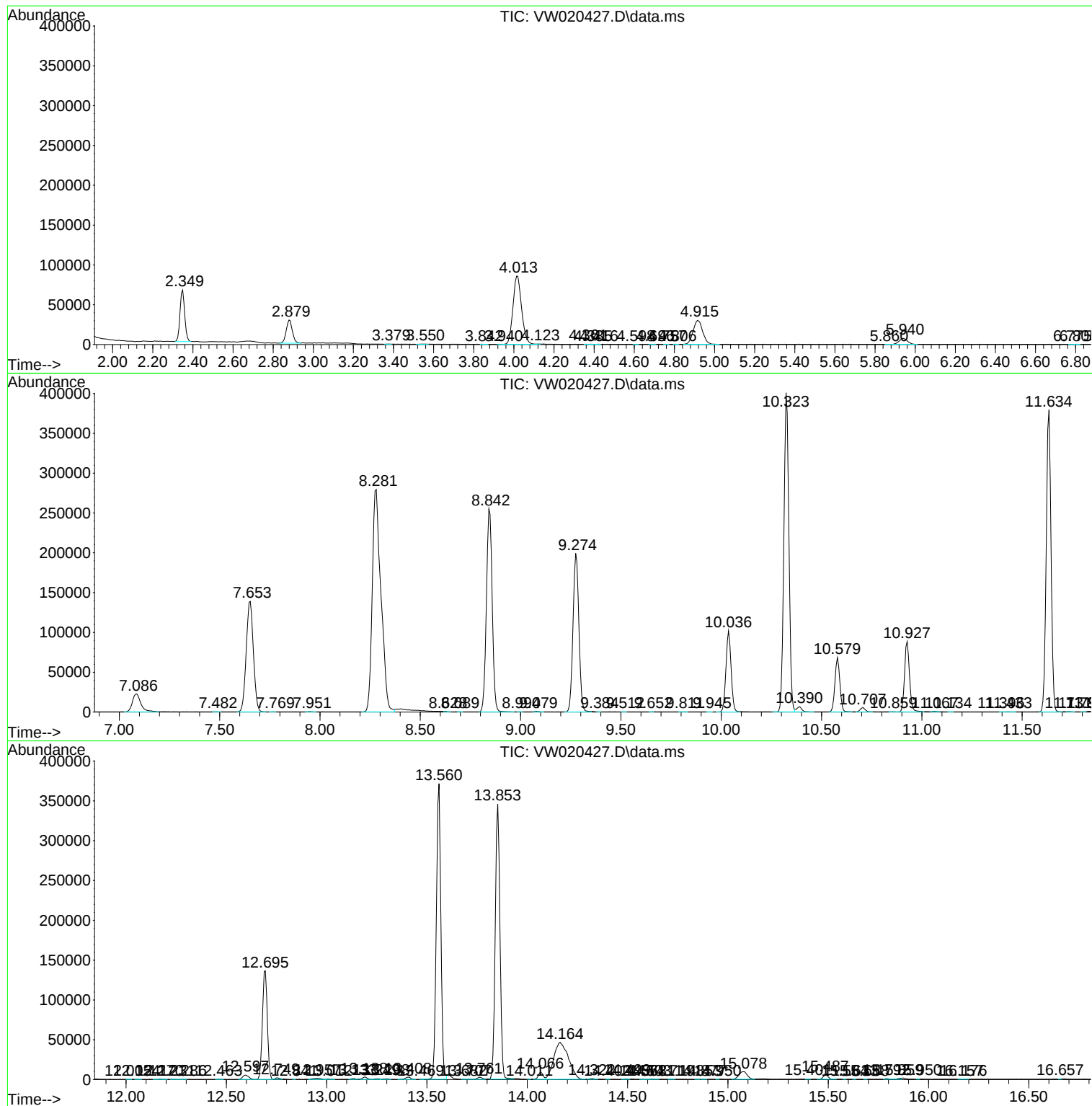
Sum of corrected areas: 6212357

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
Data File : VW020427.D  
Acq On : 08 Oct 2021 22:51  
Operator : SY/VA  
Sample : VIBLK167  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK467

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
Data File : VW020427.D  
Acq On : 08 Oct 2021 22:51  
Operator : SY/VA  
Sample : VIBLK167  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK467

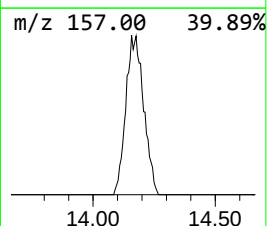
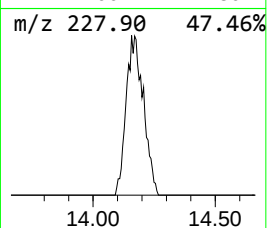
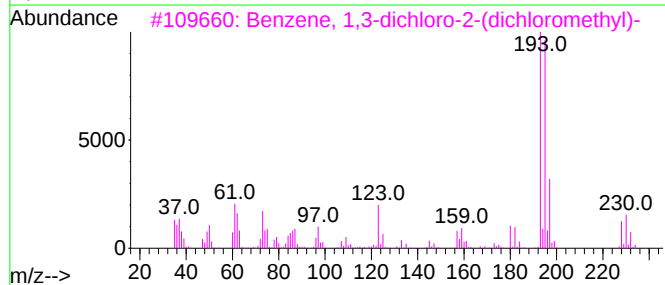
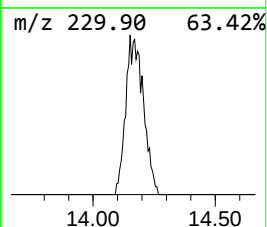
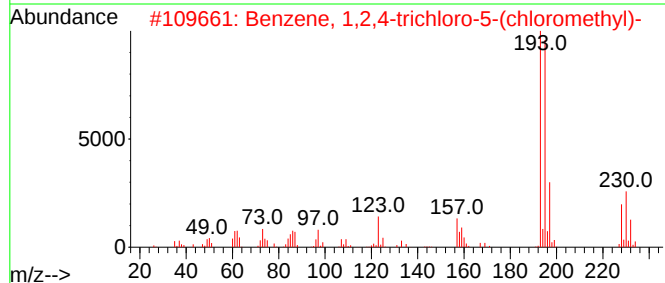
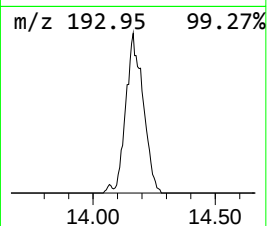
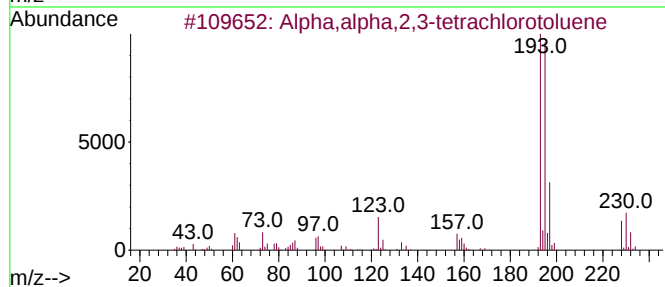
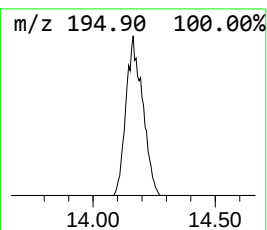
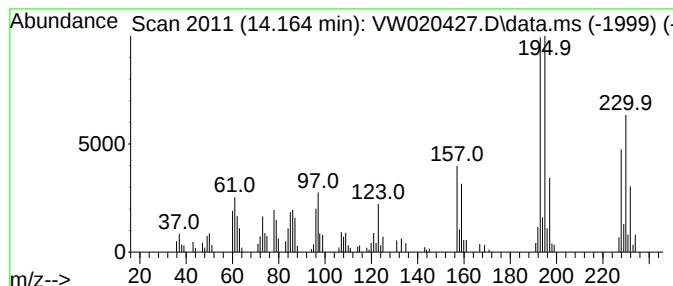
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
Quant Title : SFAM01.0

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

\*\*\*\*\*  
Peak Number 2 Alpha,alpha,2,3-tetrachloro... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.164 | 10.06 ug/L | 233608 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Alpha,alpha,2,3-tetrachlorotoluene  | 228 | C7H4Cl4 | 057058-14-7 | 97   |
| 2    |    |   | Benzene, 1,2,4-trichloro-5-(chlo... | 228 | C7H4Cl4 | 003955-26-8 | 93   |
| 3    |    |   | Benzene, 1,3-dichloro-2-(dichlor... | 228 | C7H4Cl4 | 000081-19-6 | 58   |
| 4    |    |   | 1,4-Dichloro-2-(dichloromethyl)b... | 228 | C7H4Cl4 | 056961-83-2 | 53   |
| 5    |    |   | 1,2,4-Trichloro-3-(chloromethyl)... | 228 | C7H4Cl4 | 001424-79-9 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100821\  
Data File : VW020427.D  
Acq On : 08 Oct 2021 22:51  
Operator : SY/VA  
Sample : VIBLK167  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK467

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.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 |
| Alpha,alpha,2,3... | 14.164 | 10.1    | ug/L  | 233608   | 3                     | 13.560 | 580628 | 25.0 |