

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
 Data File : VW018403.D  
 Acq On : 19 Mar 2021 22:03  
 Operator : SY/VA  
 Sample : M1698-16  
 Misc : 5.78G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4L4

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\SOM2WLM031921S.M

Title : VOC Analysis

Signal : TIC: VW018403.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         | 2.221       | 48            | 52          | 53           | rBV3     | 5181           | 7431          | 0.01%           | 0.007%        |
| 2         | 2.361       | 69            | 75          | 82           | rBV      | 78520          | 153612        | 0.24%           | 0.135%        |
| 3         | 2.495       | 93            | 97          | 110          | rBV      | 21633          | 50158         | 0.08%           | 0.044%        |
| 4         | 2.891       | 157           | 162         | 174          | rVB2     | 63809          | 152496        | 0.24%           | 0.134%        |
| 5         | 3.391       | 241           | 244         | 248          | rBV4     | 1238           | 1788          | 0.00%           | 0.002%        |
| 6         | 3.733       | 296           | 300         | 302          | rBV3     | 993            | 1343          | 0.00%           | 0.001%        |
| 7         | 3.769       | 302           | 306         | 308          | rBV5     | 939            | 1591          | 0.00%           | 0.001%        |
| 8         | 3.897       | 324           | 327         | 330          | rVV4     | 955            | 1278          | 0.00%           | 0.001%        |
| 9         | 4.019       | 333           | 347         | 358          | rBV2     | 107407         | 362970        | 0.56%           | 0.319%        |
| 10        | 4.117       | 358           | 363         | 376          | rVV2     | 25449          | 71877         | 0.11%           | 0.063%        |
| 11        | 4.385       | 399           | 407         | 415          | rBV4     | 3344           | 10474         | 0.02%           | 0.009%        |
| 12        | 4.611       | 440           | 444         | 446          | rVV3     | 910            | 1033          | 0.00%           | 0.001%        |
| 13        | 4.781       | 467           | 472         | 477          | rVB5     | 982            | 1636          | 0.00%           | 0.001%        |
| 14        | 4.922       | 483           | 495         | 510          | rBV3     | 18381          | 69801         | 0.11%           | 0.061%        |
| 15        | 5.129       | 525           | 529         | 531          | rBV4     | 938            | 1336          | 0.00%           | 0.001%        |
| 16        | 5.281       | 553           | 554         | 559          | rVB4     | 766            | 849           | 0.00%           | 0.001%        |
| 17        | 5.336       | 559           | 563         | 566          | rVB3     | 885            | 1006          | 0.00%           | 0.001%        |
| 18        | 5.428       | 576           | 578         | 580          | rVV3     | 1572           | 1929          | 0.00%           | 0.002%        |
| 19        | 5.671       | 614           | 618         | 620          | rBV3     | 745            | 1194          | 0.00%           | 0.001%        |
| 20        | 5.787       | 626           | 637         | 648          | rBV3     | 12256          | 42126         | 0.07%           | 0.037%        |
| 21        | 5.946       | 655           | 663         | 671          | rVB6     | 6108           | 18920         | 0.03%           | 0.017%        |
| 22        | 6.190       | 701           | 703         | 708          | rVB3     | 767            | 1223          | 0.00%           | 0.001%        |
| 23        | 6.293       | 718           | 720         | 722          | rBV3     | 687            | 887           | 0.00%           | 0.001%        |
| 24        | 6.312       | 722           | 723         | 729          | rVB3     | 1822           | 1975          | 0.00%           | 0.002%        |
| 25        | 6.903       | 811           | 820         | 828          | rBV6     | 5338           | 16681         | 0.03%           | 0.015%        |
| 26        | 7.074       | 838           | 848         | 854          | rBV      | 52512          | 147590        | 0.23%           | 0.130%        |
| 27        | 7.647       | 931           | 942         | 955          | rBV      | 150323         | 376024        | 0.58%           | 0.331%        |
| 28        | 7.952       | 986           | 992         | 996          | rBV6     | 1108           | 1806          | 0.00%           | 0.002%        |
| 29        | 8.275       | 1035          | 1045        | 1061         | rBV2     | 290385         | 904052        | 1.41%           | 0.795%        |
| 30        | 8.391       | 1061          | 1064        | 1069         | rVV5     | 1242           | 1844          | 0.00%           | 0.002%        |
| 31        | 8.549       | 1083          | 1090        | 1101         | rVB2     | 10397          | 25841         | 0.04%           | 0.023%        |
| 32        | 8.714       | 1109          | 1117        | 1128         | rVB4     | 9583           | 22327         | 0.03%           | 0.020%        |
| 33        | 8.842       | 1130          | 1138        | 1146         | rBV      | 285834         | 571080        | 0.89%           | 0.502%        |
| 34        | 9.092       | 1167          | 1179        | 1197         | rBV      | 1267481        | 2485893       | 3.87%           | 2.185%        |
| 35        | 9.274       | 1201          | 1209        | 1220         | rVV      | 197172         | 393296        | 0.61%           | 0.346%        |
| 36        | 9.409       | 1225          | 1231        | 1241         | rVV3     | 9433           | 21634         | 0.03%           | 0.019%        |

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 ClientSampleId :  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\SOM2WLM031921S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 37 | 9.573  | 1255 | 1258 | 1262 | rVB4 | 727      | 864      | 0.00%   | 0.001%  |
| 38 | 9.665  | 1267 | 1273 | 1276 | rBV4 | 1561     | 2797     | 0.00%   | 0.002%  |
| 39 | 9.951  | 1317 | 1320 | 1322 | rBV4 | 1203     | 1524     | 0.00%   | 0.001%  |
| 40 | 10.030 | 1326 | 1333 | 1341 | rBV2 | 63040    | 119753   | 0.19%   | 0.105%  |
| 41 | 10.128 | 1344 | 1349 | 1355 | rVB5 | 1524     | 2896     | 0.00%   | 0.003%  |
| 42 | 10.201 | 1355 | 1361 | 1363 | rBV5 | 566      | 889      | 0.00%   | 0.001%  |
| 43 | 10.323 | 1373 | 1381 | 1389 | rBV  | 382270   | 679594   | 1.06%   | 0.597%  |
| 44 | 10.506 | 1407 | 1411 | 1416 | rVB7 | 2489     | 4694     | 0.01%   | 0.004%  |
| 45 | 10.579 | 1416 | 1423 | 1428 | rBV2 | 40038    | 72198    | 0.11%   | 0.063%  |
| 46 | 10.634 | 1429 | 1432 | 1437 | rVB5 | 6069     | 9625     | 0.01%   | 0.008%  |
| 47 | 10.707 | 1437 | 1444 | 1450 | rBV2 | 76429    | 140263   | 0.22%   | 0.123%  |
| 48 | 10.853 | 1461 | 1468 | 1471 | rBV  | 48188725 | 64310386 | 100.00% | 56.534% |
| 49 | 10.884 | 1471 | 1473 | 1478 | rVB  | 41260086 | 40355206 | 62.75%  | 35.475% |
| 50 | 11.067 | 1498 | 1503 | 1510 | rVB3 | 27606    | 49944    | 0.08%   | 0.044%  |
| 51 | 11.439 | 1560 | 1564 | 1571 | rVB2 | 16647    | 25937    | 0.04%   | 0.023%  |
| 52 | 11.634 | 1589 | 1596 | 1604 | rVB  | 321345   | 548317   | 0.85%   | 0.482%  |
| 53 | 11.731 | 1608 | 1612 | 1616 | rVB3 | 3406     | 5314     | 0.01%   | 0.005%  |
| 54 | 11.835 | 1625 | 1629 | 1634 | rBV4 | 4459     | 7581     | 0.01%   | 0.007%  |
| 55 | 11.920 | 1640 | 1643 | 1644 | rBV3 | 1214     | 1165     | 0.00%   | 0.001%  |
| 56 | 12.018 | 1657 | 1659 | 1662 | rVB3 | 857      | 877      | 0.00%   | 0.001%  |
| 57 | 12.164 | 1679 | 1683 | 1690 | rVB5 | 3258     | 6412     | 0.01%   | 0.006%  |
| 58 | 12.243 | 1690 | 1696 | 1700 | rVB5 | 1667     | 3474     | 0.01%   | 0.003%  |
| 59 | 12.341 | 1706 | 1712 | 1720 | rBV4 | 9260     | 17392    | 0.03%   | 0.015%  |
| 60 | 12.609 | 1747 | 1756 | 1763 | rBV2 | 132412   | 223897   | 0.35%   | 0.197%  |
| 61 | 12.695 | 1763 | 1770 | 1778 | rVV  | 178002   | 299846   | 0.47%   | 0.264%  |
| 62 | 12.792 | 1784 | 1786 | 1790 | rVB4 | 1099     | 1301     | 0.00%   | 0.001%  |
| 63 | 12.859 | 1792 | 1797 | 1801 | rBV4 | 1877     | 2975     | 0.00%   | 0.003%  |
| 64 | 12.932 | 1805 | 1809 | 1815 | rVB6 | 10323    | 17170    | 0.03%   | 0.015%  |
| 65 | 13.036 | 1823 | 1826 | 1829 | rBV5 | 1035     | 1511     | 0.00%   | 0.001%  |
| 66 | 13.085 | 1831 | 1834 | 1835 | rBV3 | 1089     | 1238     | 0.00%   | 0.001%  |
| 67 | 13.158 | 1842 | 1846 | 1849 | rBV6 | 1165     | 2079     | 0.00%   | 0.002%  |
| 68 | 13.188 | 1849 | 1851 | 1855 | rVB5 | 2050     | 2950     | 0.00%   | 0.003%  |
| 69 | 13.255 | 1857 | 1862 | 1863 | rVV4 | 5057     | 7539     | 0.01%   | 0.007%  |
| 70 | 13.292 | 1863 | 1868 | 1875 | rVB  | 27824    | 48571    | 0.08%   | 0.043%  |
| 71 | 13.396 | 1879 | 1885 | 1895 | rBV4 | 9484     | 17876    | 0.03%   | 0.016%  |
| 72 | 13.505 | 1899 | 1903 | 1905 | rBV3 | 1574     | 2479     | 0.00%   | 0.002%  |
| 73 | 13.554 | 1905 | 1911 | 1924 | rVV  | 200980   | 342269   | 0.53%   | 0.301%  |
| 74 | 13.646 | 1924 | 1926 | 1934 | rVB5 | 4722     | 7106     | 0.01%   | 0.006%  |
| 75 | 13.755 | 1940 | 1944 | 1949 | rBV5 | 2950     | 4920     | 0.01%   | 0.004%  |
| 76 | 13.853 | 1953 | 1960 | 1967 | rBV  | 197606   | 329007   | 0.51%   | 0.289%  |

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Instrument :  
 MSVOA\_W  
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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M

Title : VOC Analysis

|     |        |      |      |      |      |       |       |       |        |
|-----|--------|------|------|------|------|-------|-------|-------|--------|
| 77  | 14.018 | 1983 | 1987 | 1988 | rBV4 | 1473  | 1571  | 0.00% | 0.001% |
| 78  | 14.066 | 1990 | 1995 | 2006 | rVB2 | 36759 | 61180 | 0.10% | 0.054% |
| 79  | 14.200 | 2012 | 2017 | 2021 | rBV4 | 2375  | 4288  | 0.01% | 0.004% |
| 80  | 14.322 | 2030 | 2037 | 2046 | rVB6 | 9253  | 20581 | 0.03% | 0.018% |
| 81  | 14.524 | 2067 | 2070 | 2075 | rVB6 | 2123  | 2928  | 0.00% | 0.003% |
| 82  | 14.572 | 2075 | 2078 | 2081 | rBV5 | 627   | 979   | 0.00% | 0.001% |
| 83  | 14.627 | 2083 | 2087 | 2090 | rVB5 | 1796  | 2447  | 0.00% | 0.002% |
| 84  | 14.719 | 2097 | 2102 | 2110 | rVB2 | 10009 | 16826 | 0.03% | 0.015% |
| 85  | 14.786 | 2110 | 2113 | 2114 | rBV3 | 1573  | 1483  | 0.00% | 0.001% |
| 86  | 14.828 | 2118 | 2120 | 2123 | rBV4 | 1083  | 1182  | 0.00% | 0.001% |
| 87  | 15.365 | 2203 | 2208 | 2210 | rVV4 | 1401  | 2612  | 0.00% | 0.002% |
| 88  | 15.395 | 2210 | 2213 | 2215 | rVV4 | 2428  | 3324  | 0.01% | 0.003% |
| 89  | 15.432 | 2215 | 2219 | 2224 | rVB4 | 3813  | 5883  | 0.01% | 0.005% |
| 90  | 15.487 | 2224 | 2228 | 2235 | rBV2 | 3849  | 7075  | 0.01% | 0.006% |
| 91  | 15.688 | 2258 | 2261 | 2267 | rVB7 | 1715  | 2678  | 0.00% | 0.002% |
| 92  | 15.755 | 2270 | 2272 | 2275 | rBV4 | 1408  | 2010  | 0.00% | 0.002% |
| 93  | 15.840 | 2283 | 2286 | 2289 | rBV5 | 1906  | 2710  | 0.00% | 0.002% |
| 94  | 15.956 | 2301 | 2305 | 2306 | rBV4 | 1234  | 1654  | 0.00% | 0.001% |
| 95  | 16.346 | 2366 | 2369 | 2374 | rBV5 | 1030  | 1456  | 0.00% | 0.001% |
| 96  | 16.389 | 2374 | 2376 | 2382 | rBV7 | 1015  | 1471  | 0.00% | 0.001% |
| 97  | 16.444 | 2382 | 2385 | 2386 | rBV3 | 1070  | 1146  | 0.00% | 0.001% |
| 98  | 16.651 | 2417 | 2419 | 2421 | rVB2 | 1543  | 1080  | 0.00% | 0.001% |
| 99  | 16.676 | 2421 | 2423 | 2425 | rBV3 | 915   | 1054  | 0.00% | 0.001% |
| 100 | 16.767 | 2435 | 2438 | 2439 | rBV2 | 1116  | 1125  | 0.00% | 0.001% |

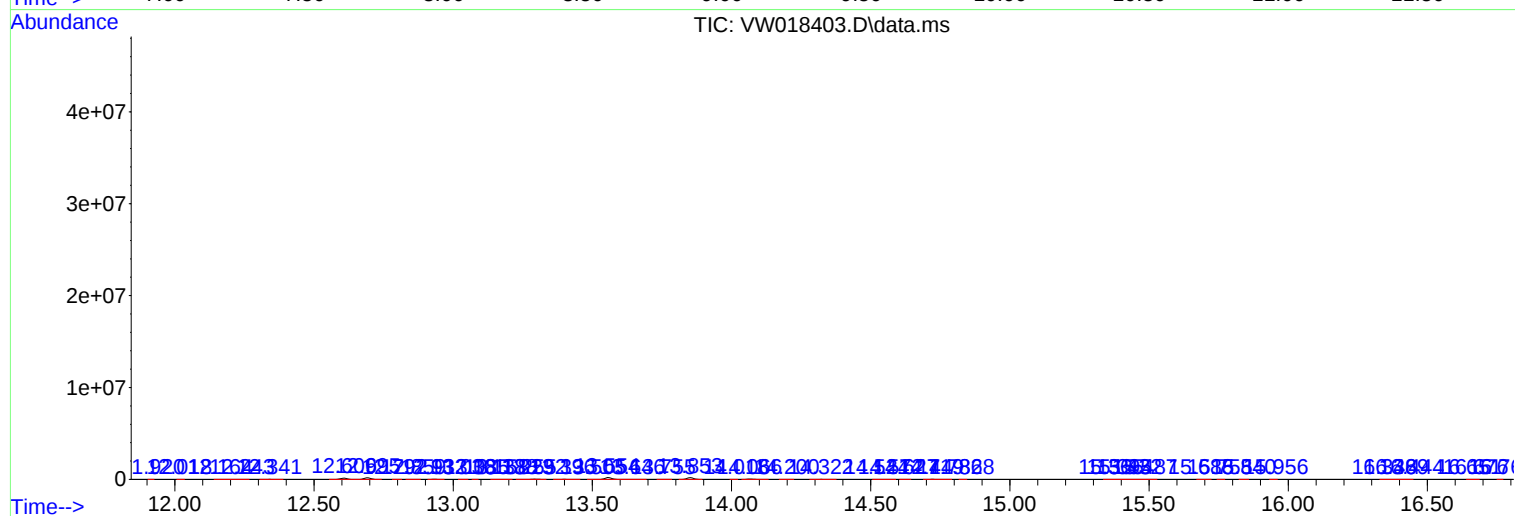
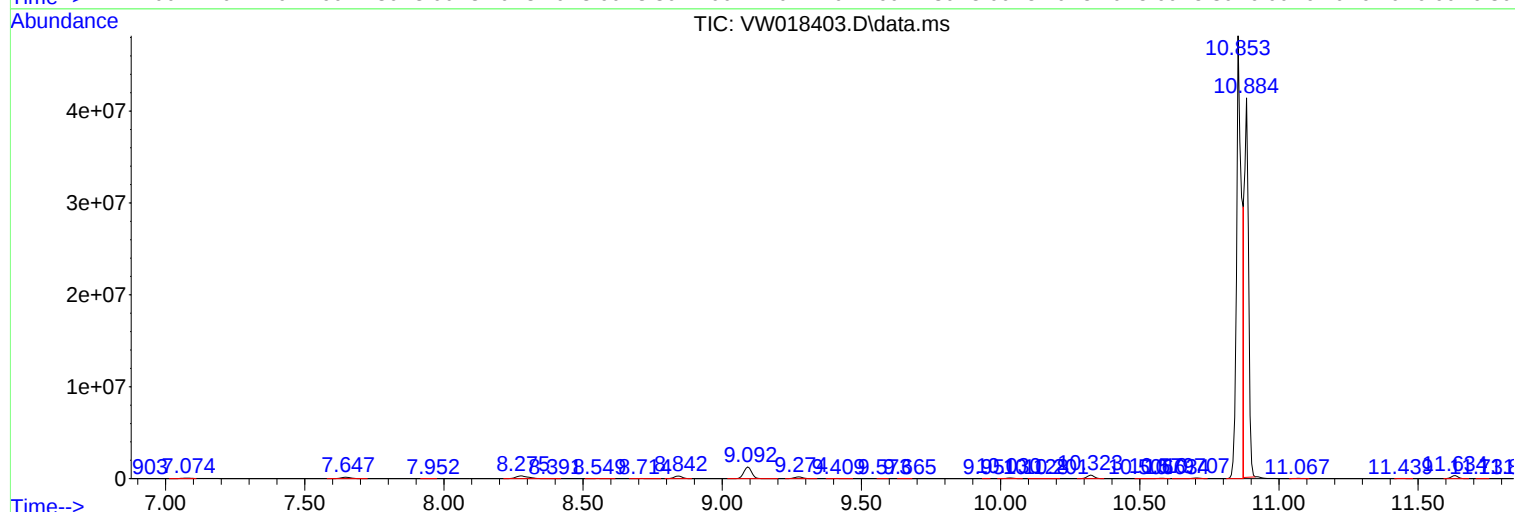
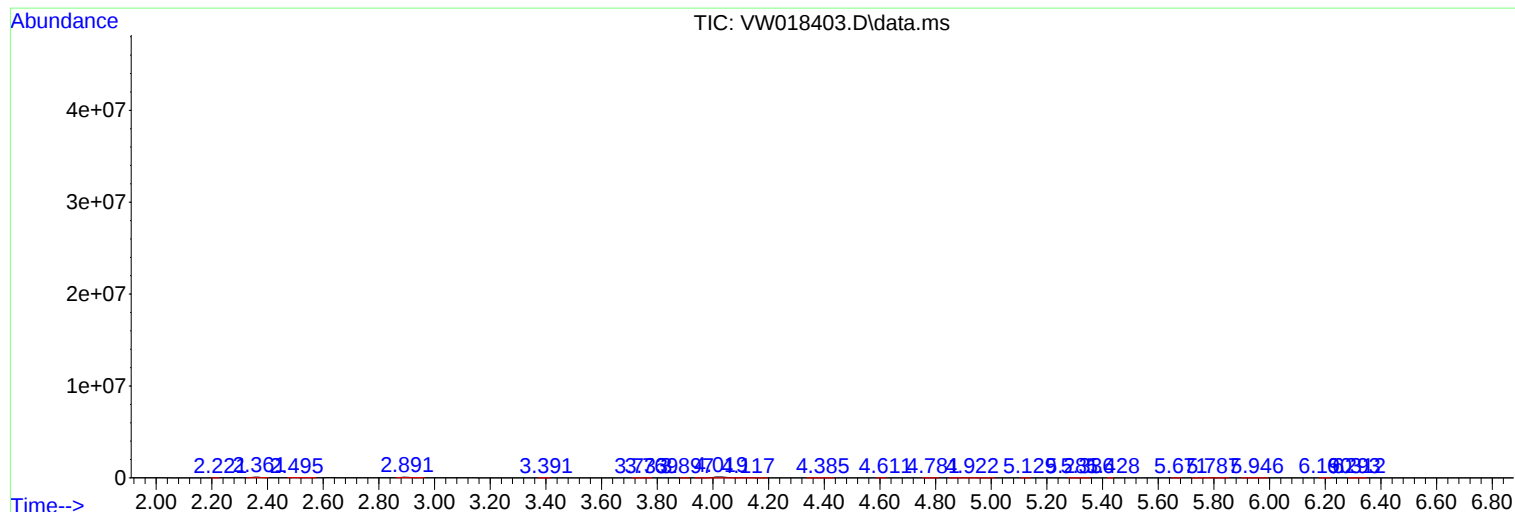
Sum of corrected areas: 113755580

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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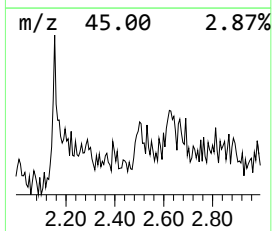
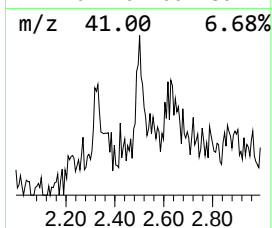
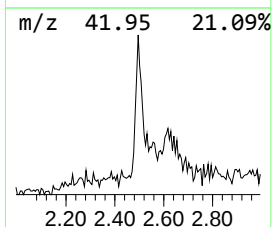
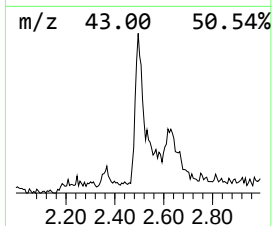
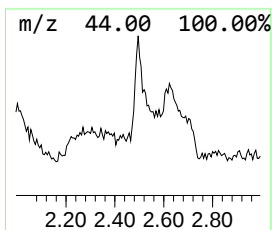
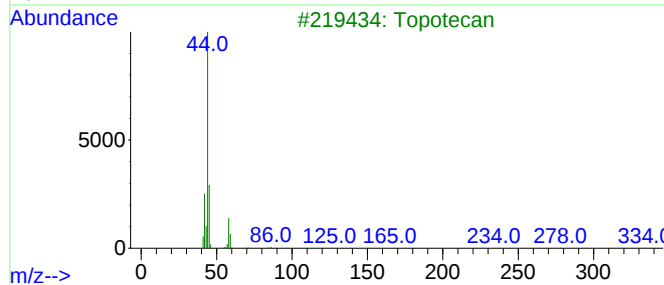
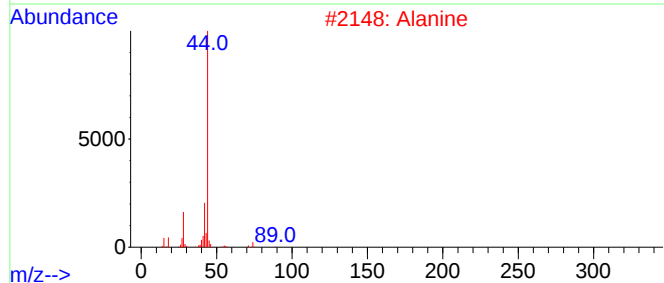
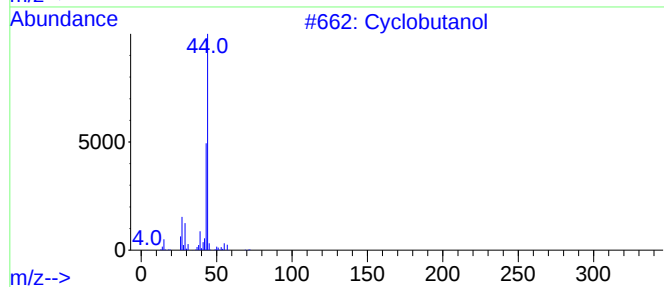
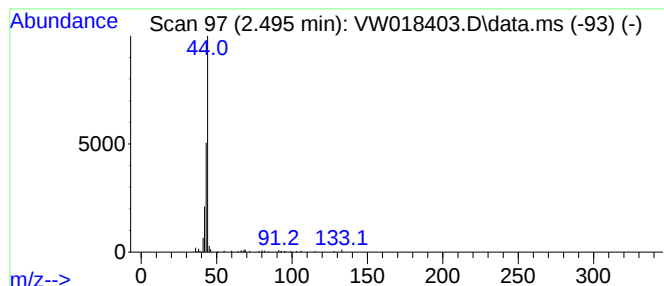
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.495 | 2.20 ug/L | 50158 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID  | MW  | MolForm    | CAS#         | Qual |
|------|----|---|---------------|-----|------------|--------------|------|
| 1    |    |   | Cyclobutanol  | 72  | C4H8O      | 002919-23-5  | 9    |
| 2    |    |   | Alanine       | 89  | C3H7NO2    | 000056-41-7  | 9    |
| 3    |    |   | Topotecan     | 421 | C23H23N3O5 | 1000131-70-7 | 9    |
| 4    |    |   | Dimethylamine | 45  | C2H7N      | 000124-40-3  | 9    |
| 5    |    |   | Dimethylamine | 45  | C2H7N      | 000124-40-3  | 9    |



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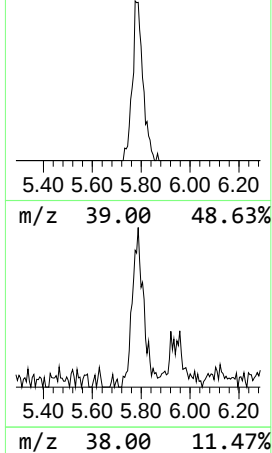
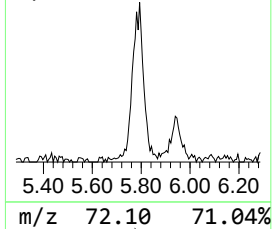
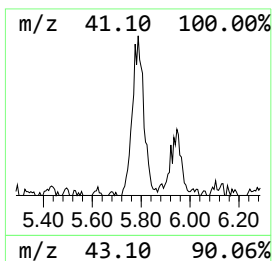
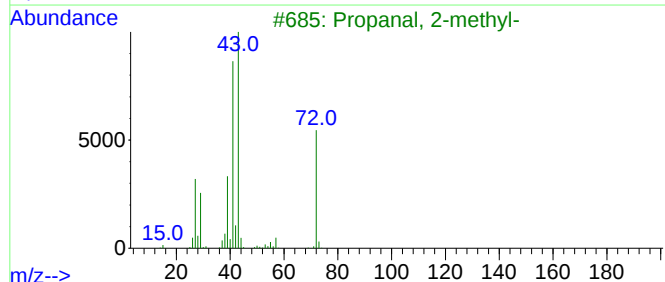
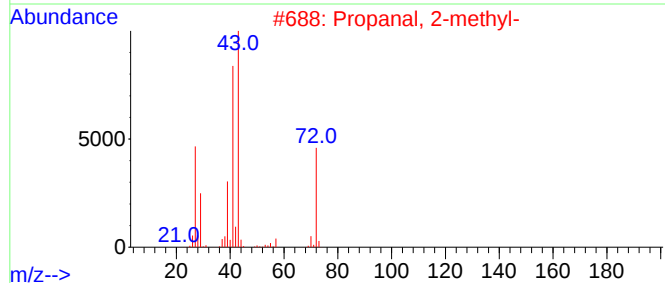
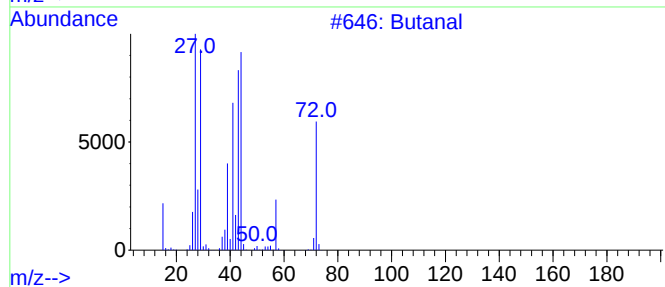
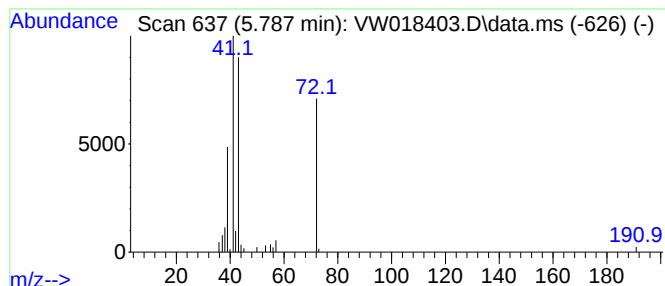
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butanal Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.787 | 1.84 ug/L | 42126 | 1,4-Difluorobenzene | 8.842 |

| Hit# | of | 5 | Tentative ID           | MW | MolForm | CAS#        | Qual |
|------|----|---|------------------------|----|---------|-------------|------|
| 1    |    |   | Butanal                | 72 | C4H8O   | 000123-72-8 | 56   |
| 2    |    |   | Propanal, 2-methyl-    | 72 | C4H8O   | 000078-84-2 | 53   |
| 3    |    |   | Propanal, 2-methyl-    | 72 | C4H8O   | 000078-84-2 | 53   |
| 4    |    |   | Dimethylketene         | 70 | C4H6O   | 000598-26-5 | 17   |
| 5    |    |   | 2-Propyn-1-ol, acetate | 98 | C5H6O2  | 000627-09-8 | 10   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

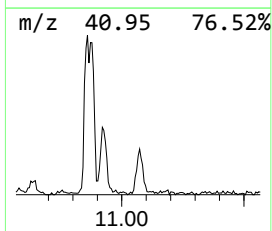
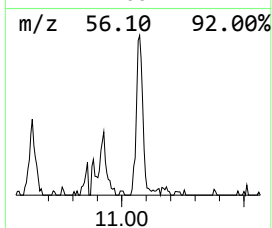
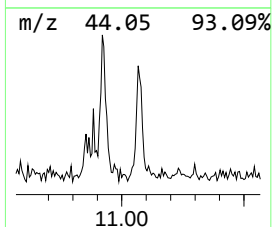
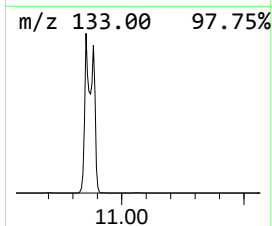
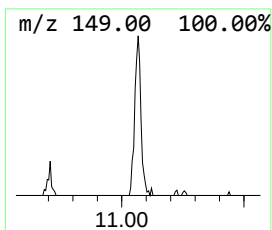
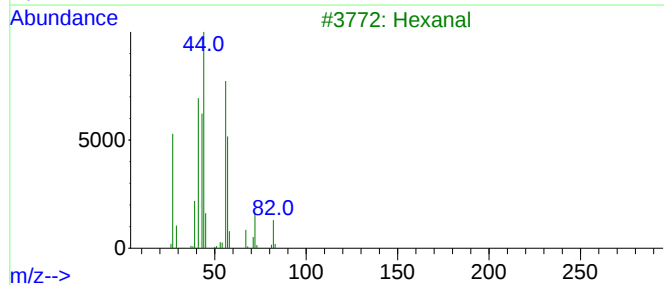
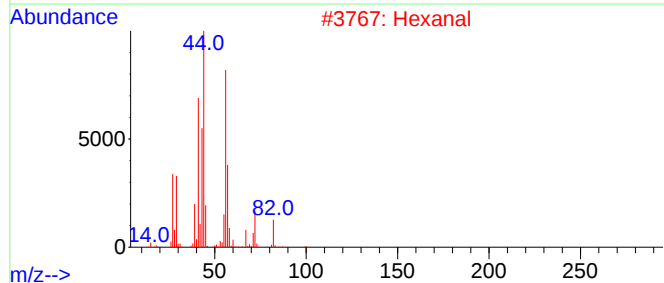
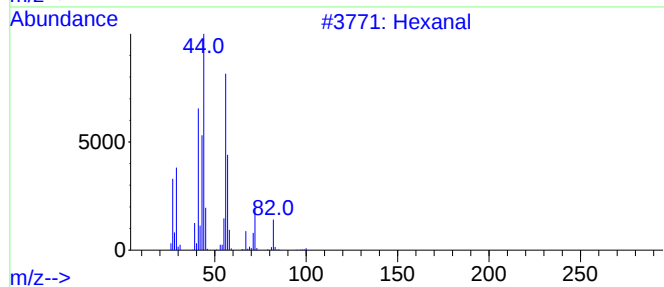
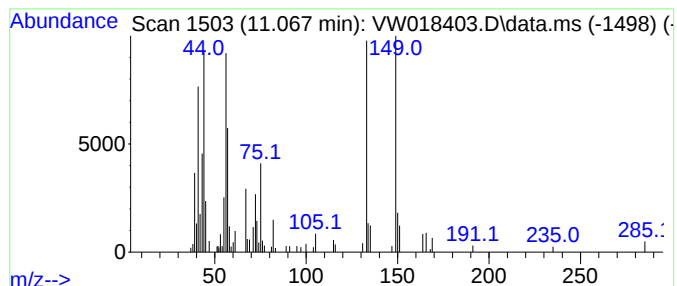
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown-02 Concentration Rank 6

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 11.067 | 2.28 ug/L | 49944 | Chlorobenzene-d5 | 11.634 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Hexanal                             | 100 | C6H12O   | 000066-25-1  | 27   |
| 2    |    |   | Hexanal                             | 100 | C6H12O   | 000066-25-1  | 27   |
| 3    |    |   | Hexanal                             | 100 | C6H12O   | 000066-25-1  | 16   |
| 4    |    |   | Hexanal                             | 100 | C6H12O   | 000066-25-1  | 14   |
| 5    |    |   | (2-Methyl[1,3]dithian-2-yl)methanol | 164 | C6H12OS2 | 1000191-37-4 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

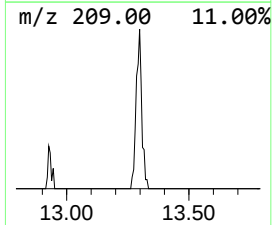
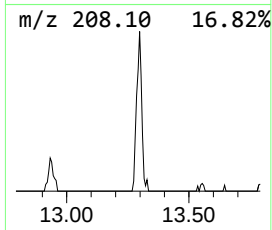
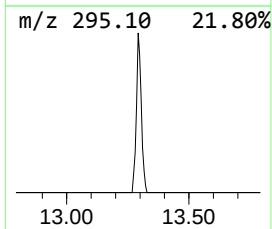
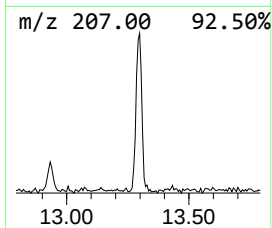
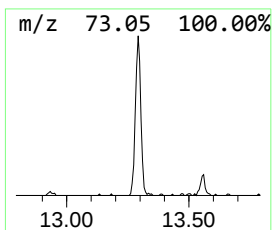
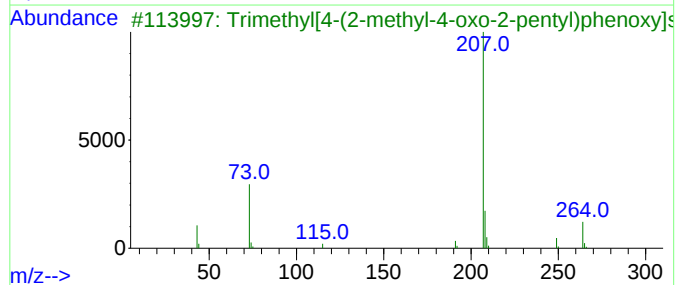
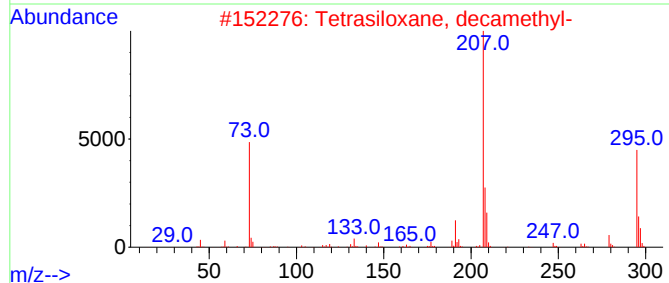
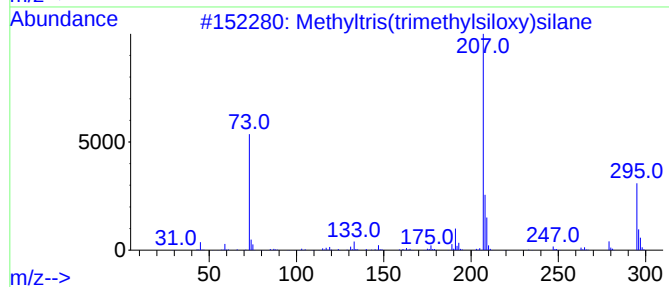
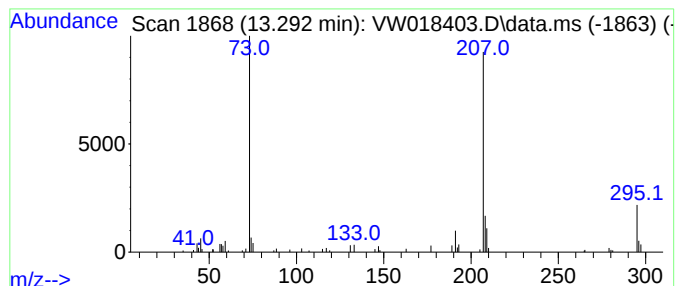
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Methyltris(trimethylsiloxy)... Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.292 | 3.55 ug/L | 48571 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Methyltris(trimethylsiloxy)silane   | 310 | C10H30O3Si4 | 017928-28-8  | 59   |
| 2    |    |   | Tetrasiloxane, decamethyl-          | 310 | C10H30O3Si4 | 000141-62-8  | 53   |
| 3    |    |   | Trimethyl[4-(2-methyl-4-oxo-2-pe... | 264 | C15H24O2Si  | 1000283-54-9 | 53   |
| 4    |    |   | Cyclotrisiloxane, hexamethyl-       | 222 | C6H18O3Si3  | 000541-05-9  | 50   |
| 5    |    |   | Tetrasiloxane, decamethyl-          | 310 | C10H30O3Si4 | 000141-62-8  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

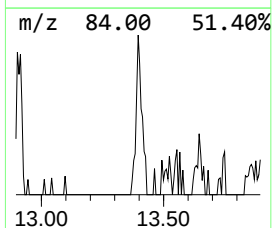
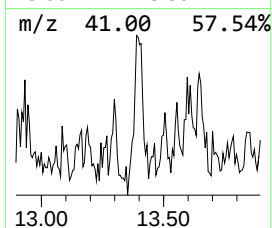
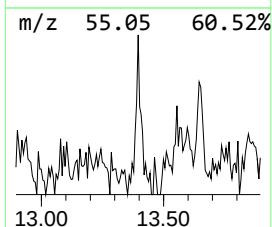
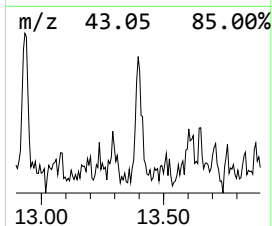
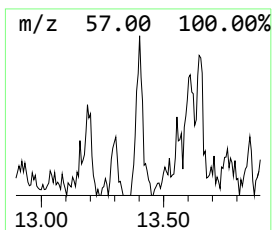
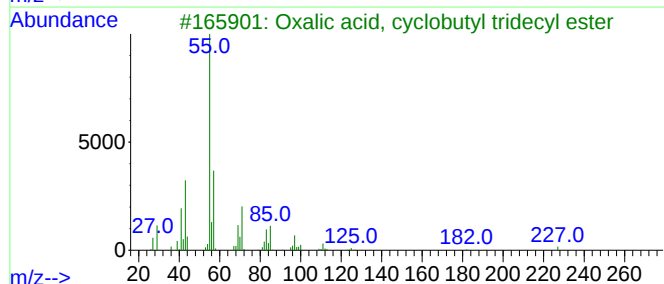
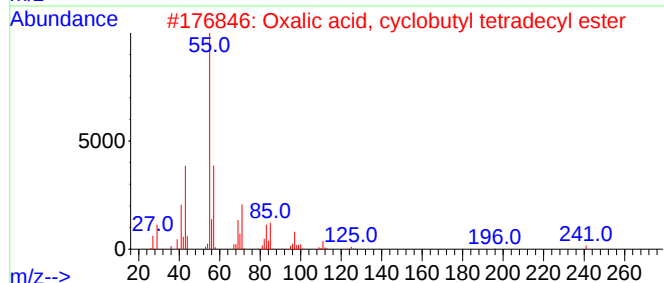
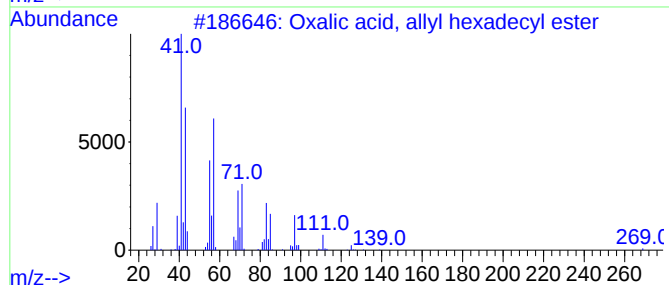
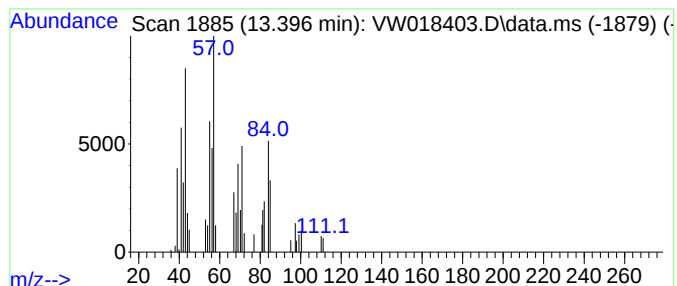
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown-03 Concentration Rank 10

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.396 | 1.31 ug/L | 17876 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, allyl hexadecyl ester  | 354 | C21H38O4 | 1000309-24-4 | 47   |
| 2    |    |   | Oxalic acid, cyclobutyl tetradec... | 340 | C20H36O4 | 1000309-70-9 | 47   |
| 3    |    |   | Oxalic acid, cyclobutyl tridecyl... | 326 | C19H34O4 | 1000309-70-4 | 47   |
| 4    |    |   | Octadecane, 1-(ethenyl)-            | 296 | C20H40   | 000930-02-9  | 43   |
| 5    |    |   | Oxalic acid, allyl pentadecyl ester | 340 | C20H36O4 | 1000309-24-3 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

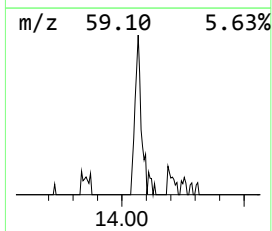
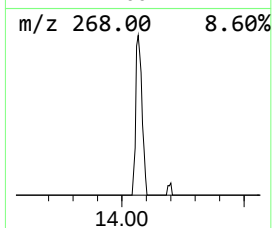
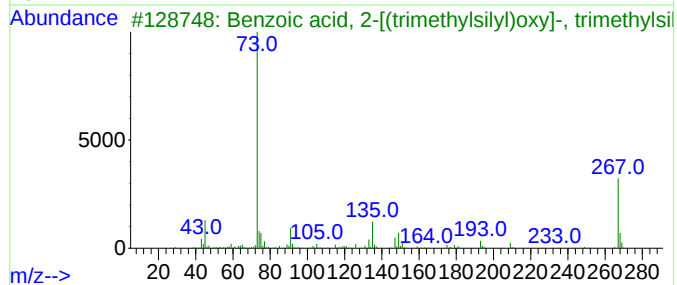
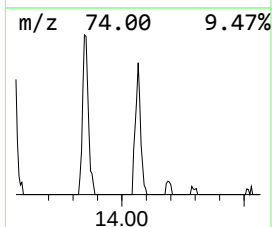
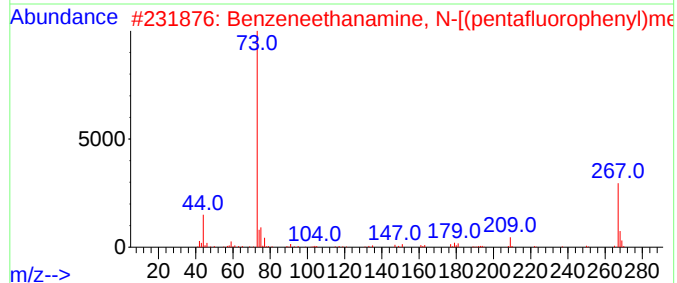
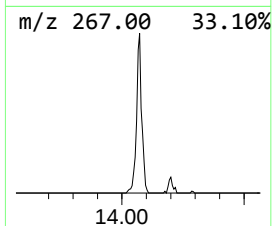
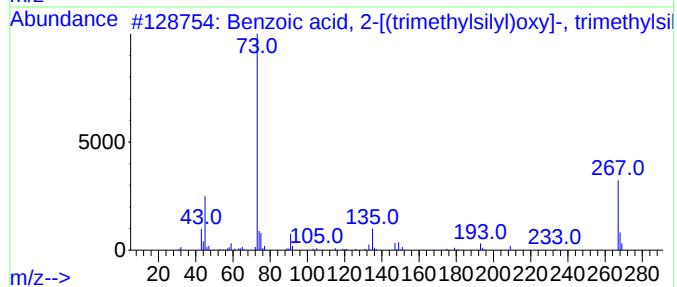
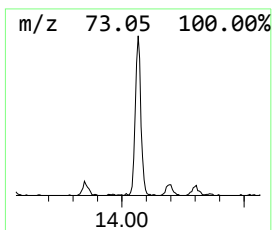
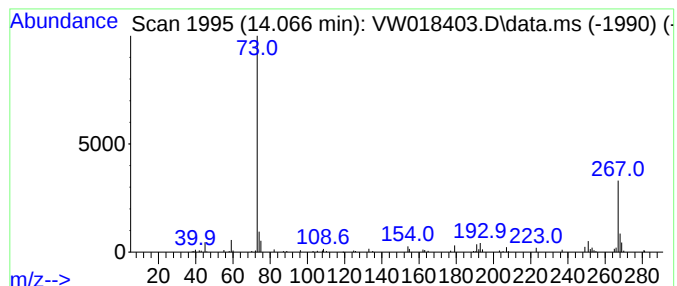
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzoic acid, 2-[(trimethyl... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.066 | 4.47 ug/L | 61180 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm        | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------------|-------------|------|
| 1    |    |   | Benzoic acid, 2-[(trimethylsilyl...] | 282 | C13H22O3Si2    | 003789-85-3 | 59   |
| 2    |    |   | Benzenethanamine, N-[(pentafluor...] | 475 | C21H26F5NO2Si2 | 055429-85-1 | 45   |
| 3    |    |   | Benzoic acid, 2-[(trimethylsilyl...] | 282 | C13H22O3Si2    | 003789-85-3 | 45   |
| 4    |    |   | Benzoic acid, 2-[(trimethylsilyl...] | 282 | C13H22O3Si2    | 003789-85-3 | 38   |
| 5    |    |   | Benzoic acid, 2-[(trimethylsilyl...] | 282 | C13H22O3Si2    | 003789-85-3 | 28   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

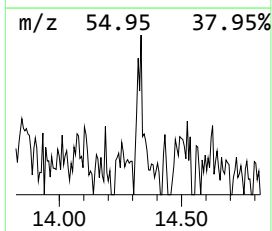
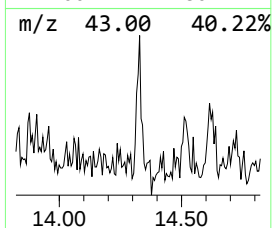
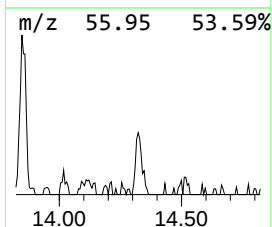
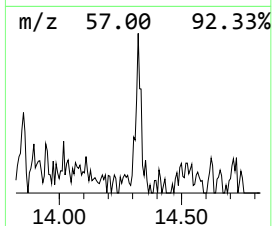
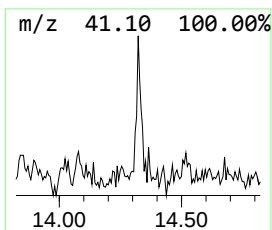
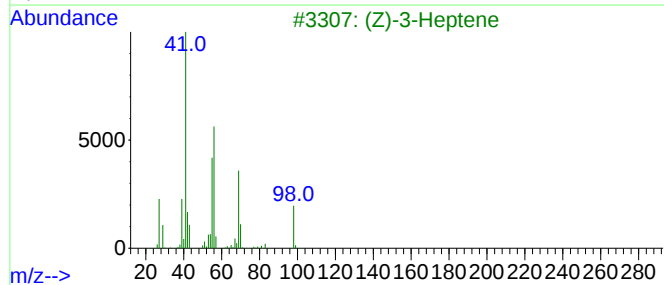
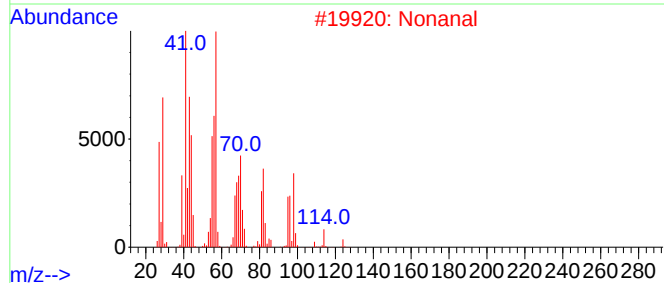
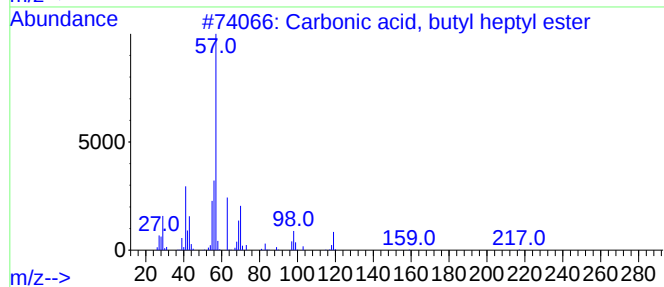
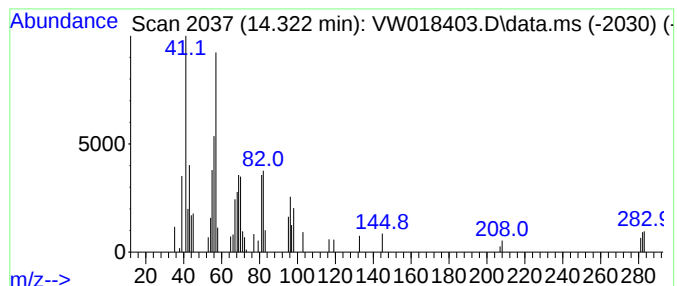
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown-04 Concentration Rank 9

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.322 | 1.50 ug/L | 20581 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, butyl heptyl ester   | 216 | C12H24O3 | 1000314-63-4 | 38   |
| 2    |    |   | Nonanal                             | 142 | C9H18O   | 000124-19-6  | 32   |
| 3    |    |   | (Z)-3-Heptene                       | 98  | C7H14    | 007642-10-6  | 30   |
| 4    |    |   | Cyclopentane, 1,2-dimethyl-, trans- | 98  | C7H14    | 000822-50-4  | 30   |
| 5    |    |   | 3-Heptene, (E)-                     | 98  | C7H14    | 014686-14-7  | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
Data File : VW018403.D  
Acq On : 19 Mar 2021 22:03  
Operator : SY/VA  
Sample : M1698-16  
Misc : 5.78G/10ML/MSVOA\_W/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4L4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown-01         | 2.495  | 2.2     | ug/L  | 50158    | 1                     | 8.842  | 571080 | 25.0 |
| Butanal            | 5.787  | 1.8     | ug/L  | 42126    | 1                     | 8.842  | 571080 | 25.0 |
| unknown-02         | 11.067 | 2.3     | ug/L  | 49944    | 2                     | 11.634 | 548317 | 25.0 |
| Methyltris(trim... | 13.292 | 3.5     | ug/L  | 48571    | 3                     | 13.560 | 342269 | 25.0 |
| unknown-03         | 13.396 | 1.3     | ug/L  | 17876    | 3                     | 13.560 | 342269 | 25.0 |
| Benzoic acid, 2... | 14.066 | 4.5     | ug/L  | 61180    | 3                     | 13.560 | 342269 | 25.0 |
| unknown-04         | 14.322 | 1.5     | ug/L  | 20581    | 3                     | 13.560 | 342269 | 25.0 |