

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020821\  
 Data File : VW018047.D  
 Acq On : 08 Feb 2021 12:12  
 Operator : SY/VA  
 Sample : M1310-13  
 Misc : 4.49G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0A58

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\SOM2WLM012921S.M

Title : VOC Analysis

Signal : TIC: VW018047.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         | 2.166       | 37            | 43          | 52           | rBV2     | 12376          | 30529         | 2.39%           | 0.333%        |
| 2         | 2.355       | 69            | 74          | 86           | rVB      | 89203          | 175449        | 13.71%          | 1.915%        |
| 3         | 2.891       | 155           | 162         | 176          | rVB      | 62417          | 153694        | 12.01%          | 1.678%        |
| 4         | 3.385       | 238           | 243         | 245          | rBV3     | 923            | 1518          | 0.12%           | 0.017%        |
| 5         | 3.458       | 253           | 255         | 258          | rVB2     | 203            | 162           | 0.01%           | 0.002%        |
| 6         | 3.538       | 260           | 268         | 274          | rBV3     | 1046           | 2947          | 0.23%           | 0.032%        |
| 7         | 3.867       | 318           | 322         | 324          | rVB2     | 151            | 206           | 0.02%           | 0.002%        |
| 8         | 3.922       | 329           | 331         | 334          | rVB2     | 214            | 179           | 0.01%           | 0.002%        |
| 9         | 4.019       | 334           | 347         | 373          | rBV      | 147980         | 481005        | 37.60%          | 5.251%        |
| 10        | 4.269       | 386           | 388         | 391          | rVB2     | 226            | 255           | 0.02%           | 0.003%        |
| 11        | 4.391       | 399           | 408         | 418          | rBV2     | 2574           | 7998          | 0.63%           | 0.087%        |
| 12        | 4.610       | 441           | 444         | 447          | rVB2     | 169            | 169           | 0.01%           | 0.002%        |
| 13        | 4.708       | 458           | 460         | 463          | rVB3     | 194            | 195           | 0.02%           | 0.002%        |
| 14        | 4.915       | 484           | 494         | 510          | rVB2     | 9645           | 34431         | 2.69%           | 0.376%        |
| 15        | 5.427       | 576           | 578         | 582          | rBV2     | 102            | 149           | 0.01%           | 0.002%        |
| 16        | 5.586       | 601           | 604         | 605          | rBV2     | 112            | 139           | 0.01%           | 0.002%        |
| 17        | 5.690       | 619           | 621         | 625          | rVB      | 208            | 162           | 0.01%           | 0.002%        |
| 18        | 5.848       | 646           | 647         | 651          | rBV      | 146            | 158           | 0.01%           | 0.002%        |
| 19        | 5.940       | 653           | 662         | 672          | rVB3     | 4541           | 13827         | 1.08%           | 0.151%        |
| 20        | 6.031       | 675           | 677         | 680          | rBV2     | 138            | 154           | 0.01%           | 0.002%        |
| 21        | 6.122       | 688           | 692         | 694          | rBV2     | 171            | 245           | 0.02%           | 0.003%        |
| 22        | 6.159       | 696           | 698         | 700          | rVB      | 221            | 150           | 0.01%           | 0.002%        |
| 23        | 6.208       | 700           | 706         | 707          | rBV2     | 158            | 217           | 0.02%           | 0.002%        |
| 24        | 6.470       | 745           | 749         | 750          | rVV2     | 179            | 151           | 0.01%           | 0.002%        |
| 25        | 6.598       | 768           | 770         | 775          | rBV2     | 155            | 236           | 0.02%           | 0.003%        |
| 26        | 6.635       | 775           | 776         | 780          | rVV2     | 121            | 182           | 0.01%           | 0.002%        |
| 27        | 6.671       | 780           | 782         | 784          | rVV      | 224            | 184           | 0.01%           | 0.002%        |
| 28        | 7.073       | 839           | 848         | 853          | rBV      | 26585          | 70163         | 5.48%           | 0.766%        |
| 29        | 7.311       | 885           | 887         | 890          | rBV2     | 235            | 225           | 0.02%           | 0.002%        |
| 30        | 7.390       | 898           | 900         | 906          | rVB3     | 163            | 238           | 0.02%           | 0.003%        |
| 31        | 7.537       | 919           | 924         | 929          | rVV4     | 703            | 1315          | 0.10%           | 0.014%        |
| 32        | 7.647       | 931           | 942         | 957          | rBV      | 224765         | 551025        | 43.07%          | 6.015%        |
| 33        | 7.787       | 963           | 965         | 968          | rVB      | 249            | 235           | 0.02%           | 0.003%        |
| 34        | 7.817       | 968           | 970         | 971          | rBV      | 255            | 154           | 0.01%           | 0.002%        |
| 35        | 7.951       | 984           | 992         | 998          | rVV3     | 1277           | 2532          | 0.20%           | 0.028%        |
| 36        | 8.012       | 1001          | 1002        | 1005         | rVV2     | 146            | 138           | 0.01%           | 0.002%        |

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Peak separation: 5

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Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 8.055  | 1008 | 1009 | 1011 | rVV2 | 190    | 137     | 0.01%   | 0.001%  |
| 38 | 8.274  | 1034 | 1045 | 1062 | rBV2 | 451207 | 1279285 | 100.00% | 13.966% |
| 39 | 8.573  | 1092 | 1094 | 1098 | rVB  | 194    | 182     | 0.01%   | 0.002%  |
| 40 | 8.622  | 1100 | 1102 | 1104 | rBV  | 252    | 270     | 0.02%   | 0.003%  |
| 41 | 8.701  | 1108 | 1115 | 1118 | rVB3 | 572    | 893     | 0.07%   | 0.010%  |
| 42 | 8.841  | 1129 | 1138 | 1149 | rBV  | 484428 | 933247  | 72.95%  | 10.188% |
| 43 | 9.037  | 1165 | 1170 | 1171 | rBV4 | 937    | 1310    | 0.10%   | 0.014%  |
| 44 | 9.274  | 1200 | 1209 | 1218 | rBV  | 278377 | 564740  | 44.14%  | 6.165%  |
| 45 | 9.646  | 1268 | 1270 | 1271 | rBV  | 178    | 188     | 0.01%   | 0.002%  |
| 46 | 10.036 | 1319 | 1334 | 1345 | rBV  | 144984 | 266330  | 20.82%  | 2.907%  |
| 47 | 10.128 | 1347 | 1349 | 1358 | rVB4 | 620    | 877     | 0.07%   | 0.010%  |
| 48 | 10.213 | 1358 | 1363 | 1371 | rVB2 | 1657   | 2786    | 0.22%   | 0.030%  |
| 49 | 10.323 | 1373 | 1381 | 1389 | rBV  | 627461 | 1102430 | 86.18%  | 12.035% |
| 50 | 10.579 | 1416 | 1423 | 1432 | rBV  | 90207  | 153457  | 12.00%  | 1.675%  |
| 51 | 10.701 | 1436 | 1443 | 1453 | rVV  | 51353  | 89678   | 7.01%   | 0.979%  |
| 52 | 10.859 | 1463 | 1469 | 1473 | rBV4 | 1619   | 2874    | 0.22%   | 0.031%  |
| 53 | 10.926 | 1473 | 1480 | 1491 | rBV  | 101548 | 174860  | 13.67%  | 1.909%  |
| 54 | 11.061 | 1496 | 1502 | 1510 | rVV  | 27633  | 48450   | 3.79%   | 0.529%  |
| 55 | 11.146 | 1514 | 1516 | 1517 | rVV  | 277    | 233     | 0.02%   | 0.003%  |
| 56 | 11.176 | 1518 | 1521 | 1528 | rVB4 | 1723   | 2595    | 0.20%   | 0.028%  |
| 57 | 11.231 | 1528 | 1530 | 1531 | rBV2 | 187    | 173     | 0.01%   | 0.002%  |
| 58 | 11.268 | 1535 | 1536 | 1541 | rVB  | 201    | 159     | 0.01%   | 0.002%  |
| 59 | 11.311 | 1541 | 1543 | 1545 | rVB2 | 188    | 178     | 0.01%   | 0.002%  |
| 60 | 11.439 | 1555 | 1564 | 1572 | rVB  | 15240  | 24793   | 1.94%   | 0.271%  |
| 61 | 11.499 | 1572 | 1574 | 1575 | rBV  | 200    | 147     | 0.01%   | 0.002%  |
| 62 | 11.628 | 1588 | 1595 | 1606 | rBV  | 557247 | 966136  | 75.52%  | 10.547% |
| 63 | 11.786 | 1618 | 1621 | 1622 | rBV  | 151    | 144     | 0.01%   | 0.002%  |
| 64 | 11.841 | 1625 | 1630 | 1635 | rVB3 | 1624   | 3024    | 0.24%   | 0.033%  |
| 65 | 12.012 | 1655 | 1658 | 1662 | rBV2 | 187    | 301     | 0.02%   | 0.003%  |
| 66 | 12.182 | 1679 | 1686 | 1692 | rVV6 | 2049   | 4288    | 0.34%   | 0.047%  |
| 67 | 12.347 | 1708 | 1713 | 1717 | rVV2 | 456    | 720     | 0.06%   | 0.008%  |
| 68 | 12.408 | 1720 | 1723 | 1725 | rBV2 | 157    | 207     | 0.02%   | 0.002%  |
| 69 | 12.469 | 1730 | 1733 | 1737 | rVV2 | 1168   | 1456    | 0.11%   | 0.016%  |
| 70 | 12.518 | 1738 | 1741 | 1746 | rVB  | 1104   | 1388    | 0.11%   | 0.015%  |
| 71 | 12.609 | 1748 | 1756 | 1763 | rVV  | 68013  | 111853  | 8.74%   | 1.221%  |
| 72 | 12.694 | 1763 | 1770 | 1777 | rVV  | 181083 | 301409  | 23.56%  | 3.290%  |
| 73 | 12.755 | 1777 | 1780 | 1786 | rVB3 | 1006   | 1291    | 0.10%   | 0.014%  |
| 74 | 12.865 | 1792 | 1798 | 1800 | rBV4 | 543    | 772     | 0.06%   | 0.008%  |
| 75 | 12.932 | 1802 | 1809 | 1812 | rBV3 | 7243   | 11215   | 0.88%   | 0.122%  |
| 76 | 13.036 | 1820 | 1826 | 1829 | rBV4 | 1688   | 3059    | 0.24%   | 0.033%  |

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Stop Thrs : 0

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M

Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.078 | 1830 | 1833 | 1840 | rVB6 | 1723   | 2938   | 0.23%  | 0.032% |
| 78  | 13.133 | 1840 | 1842 | 1843 | rBV  | 291    | 280    | 0.02%  | 0.003% |
| 79  | 13.298 | 1864 | 1869 | 1875 | rVB2 | 8572   | 14261  | 1.11%  | 0.156% |
| 80  | 13.402 | 1877 | 1886 | 1892 | rBV3 | 3137   | 6223   | 0.49%  | 0.068% |
| 81  | 13.475 | 1892 | 1898 | 1899 | rBV2 | 1650   | 2288   | 0.18%  | 0.025% |
| 82  | 13.505 | 1900 | 1903 | 1905 | rVV3 | 2985   | 3730   | 0.29%  | 0.041% |
| 83  | 13.554 | 1905 | 1911 | 1923 | rVB  | 463792 | 760088 | 59.42% | 8.298% |
| 84  | 13.761 | 1940 | 1945 | 1948 | rBV2 | 4623   | 7366   | 0.58%  | 0.080% |
| 85  | 13.853 | 1953 | 1960 | 1966 | rBV  | 397505 | 652870 | 51.03% | 7.127% |
| 86  | 14.011 | 1984 | 1986 | 1990 | rBV3 | 1684   | 2514   | 0.20%  | 0.027% |
| 87  | 14.066 | 1990 | 1995 | 2005 | rVB2 | 24518  | 41090  | 3.21%  | 0.449% |
| 88  | 14.194 | 2013 | 2016 | 2021 | rVB3 | 1198   | 1779   | 0.14%  | 0.019% |
| 89  | 14.322 | 2030 | 2037 | 2043 | rBV9 | 3243   | 6977   | 0.55%  | 0.076% |
| 90  | 14.493 | 2063 | 2065 | 2066 | rBV2 | 386    | 212    | 0.02%  | 0.002% |
| 91  | 14.633 | 2083 | 2088 | 2092 | rVB4 | 746    | 1462   | 0.11%  | 0.016% |
| 92  | 14.725 | 2099 | 2103 | 2109 | rVB4 | 2981   | 4743   | 0.37%  | 0.052% |
| 93  | 14.792 | 2109 | 2114 | 2117 | rBV3 | 605    | 960    | 0.08%  | 0.010% |
| 94  | 15.103 | 2162 | 2165 | 2168 | rBV5 | 1035   | 1251   | 0.10%  | 0.014% |
| 95  | 15.224 | 2182 | 2185 | 2186 | rBV3 | 566    | 529    | 0.04%  | 0.006% |
| 96  | 15.432 | 2211 | 2219 | 2225 | rBV2 | 26439  | 45613  | 3.57%  | 0.498% |
| 97  | 15.688 | 2256 | 2261 | 2267 | rBV5 | 2700   | 4996   | 0.39%  | 0.055% |
| 98  | 15.761 | 2269 | 2273 | 2274 | rBV2 | 2382   | 3011   | 0.24%  | 0.033% |
| 99  | 15.846 | 2283 | 2287 | 2291 | rBV4 | 2225   | 3098   | 0.24%  | 0.034% |
| 100 | 15.968 | 2301 | 2307 | 2313 | rBV5 | 1449   | 3718   | 0.29%  | 0.041% |

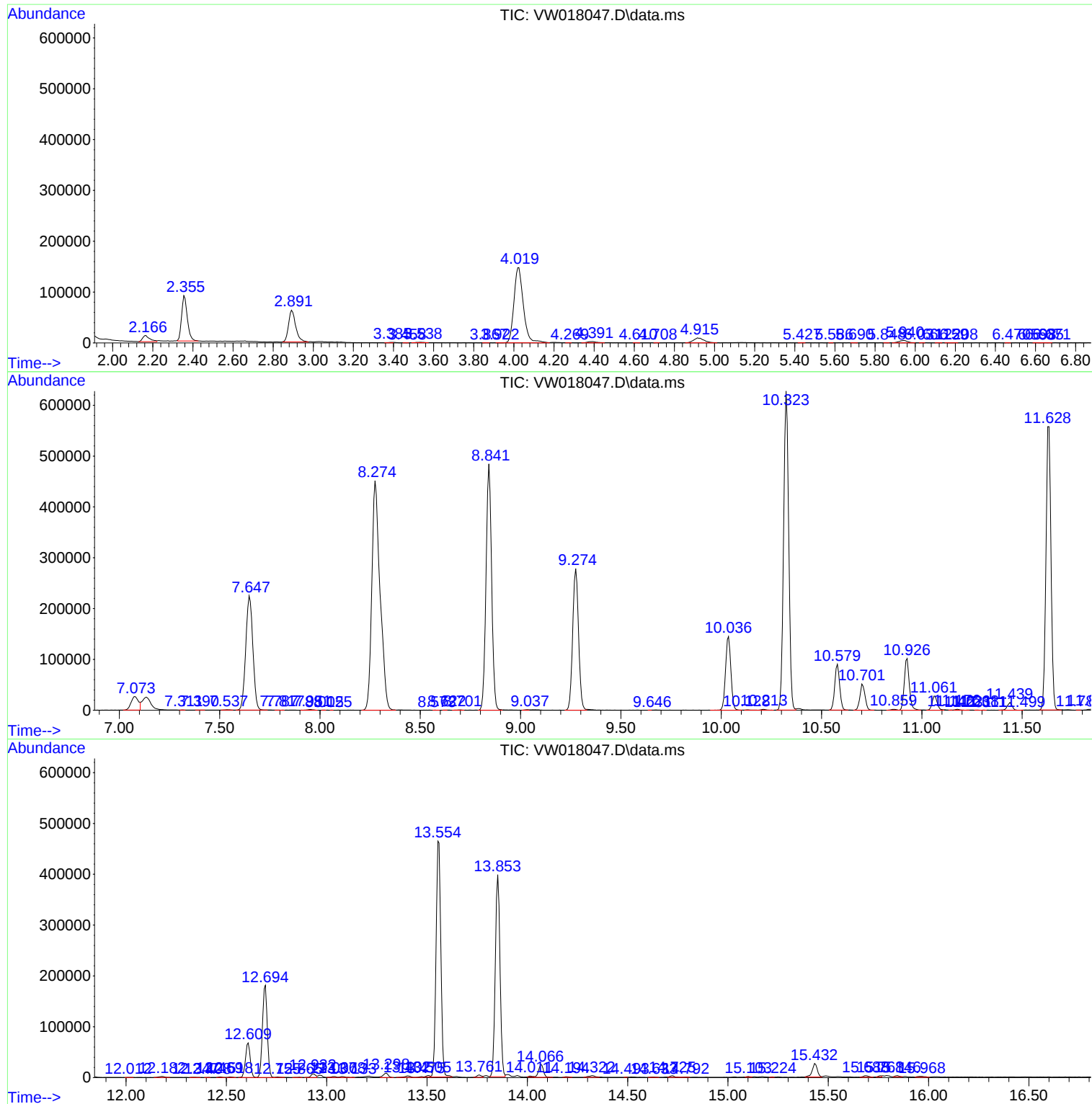
Sum of corrected areas: 9160248

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
Quant Title : VOC Analysis

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



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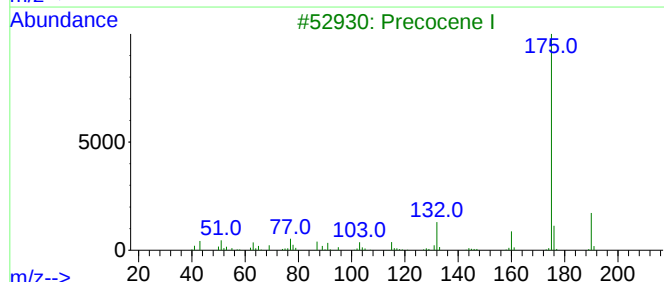
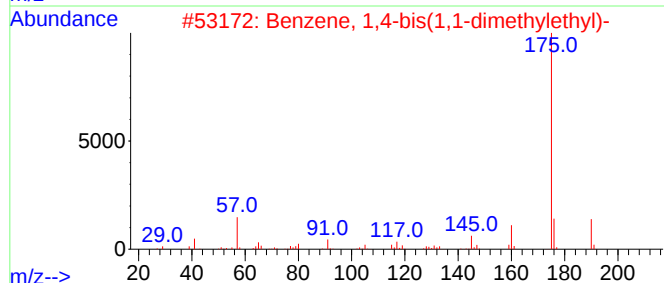
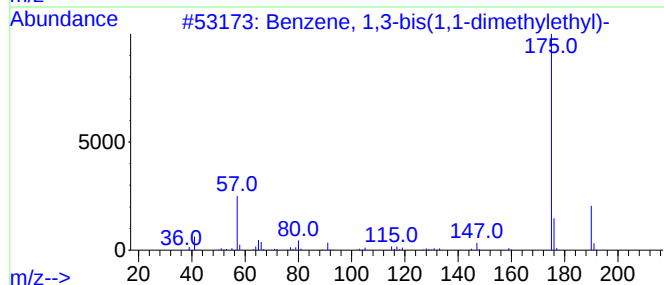
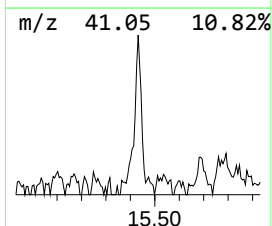
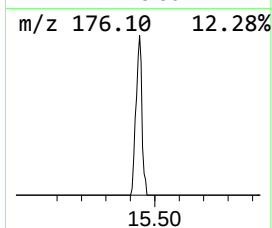
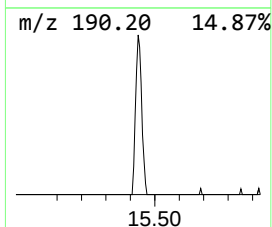
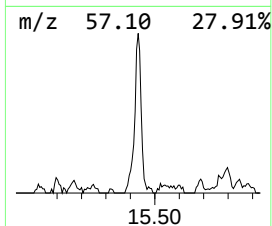
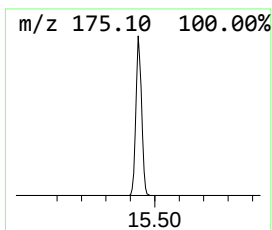
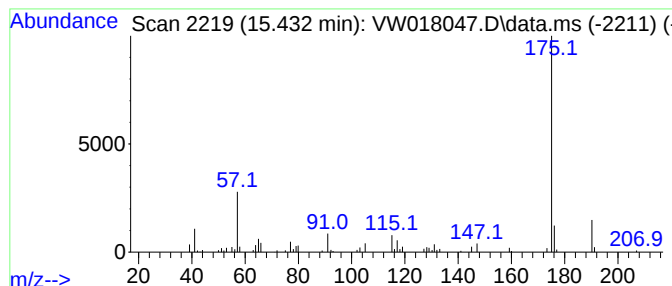
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 15.432 | 1.50 ug/L | 45613 | 1,4-Dichlorobenzene-d4 | 13.560 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 90   |
| 2    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22   | 001012-72-2 | 83   |
| 3    |    |   | Precocene I                         | 190 | C12H14O2 | 017598-02-6 | 80   |
| 4    |    |   | m-Cymene, 5-tert-butyl-             | 190 | C14H22   | 029577-19-3 | 72   |
| 5    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22   | 001012-72-2 | 72   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Benzene, 1,3-bi... | 15.432 | 1.5     | ug/L  | 45613    | 3                     | 13.560 | 760088 | 25.0 |