

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120621\  
 Data File : VY006984.D  
 Acq On : 07 Dec 2021 01:44  
 Operator : SY/MD  
 Sample : M4884-09RE  
 Misc : 2.78g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EW9J5RE

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\_Y\methods\SFAMYL120321SMA.M  
 Title : VOC Analysis

Signal : TIC: VY006984.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         | 1.936       | 18            | 19          | 22           | rVB      | 560            | 320           | 0.07%           | 0.009%        |
| 2         | 2.058       | 33            | 39          | 42           | rBV3     | 1098           | 2010          | 0.43%           | 0.054%        |
| 3         | 2.101       | 45            | 46          | 48           | rBV2     | 500            | 472           | 0.10%           | 0.013%        |
| 4         | 2.180       | 58            | 59          | 61           | rBV      | 522            | 346           | 0.07%           | 0.009%        |
| 5         | 2.247       | 63            | 70          | 82           | rVV      | 34527          | 64844         | 13.86%          | 1.754%        |
| 6         | 2.333       | 82            | 84          | 85           | rVB2     | 730            | 525           | 0.11%           | 0.014%        |
| 7         | 2.503       | 109           | 112         | 119          | rBV7     | 1878           | 3837          | 0.82%           | 0.104%        |
| 8         | 2.765       | 148           | 155         | 167          | rBV      | 25687          | 62133         | 13.28%          | 1.681%        |
| 9         | 2.851       | 167           | 169         | 170          | rVB      | 625            | 297           | 0.06%           | 0.008%        |
| 10        | 3.253       | 231           | 235         | 236          | rBV2     | 289            | 416           | 0.09%           | 0.011%        |
| 11        | 3.357       | 249           | 252         | 254          | rBV2     | 330            | 372           | 0.08%           | 0.010%        |
| 12        | 3.381       | 254           | 256         | 258          | rVB2     | 317            | 290           | 0.06%           | 0.008%        |
| 13        | 3.412       | 258           | 261         | 263          | rVB      | 217            | 247           | 0.05%           | 0.007%        |
| 14        | 3.710       | 308           | 310         | 316          | rVB2     | 329            | 424           | 0.09%           | 0.011%        |
| 15        | 3.857       | 323           | 334         | 344          | rBV2     | 40531          | 116579        | 24.92%          | 3.154%        |
| 16        | 4.107       | 374           | 375         | 380          | rBV2     | 232            | 343           | 0.07%           | 0.009%        |
| 17        | 4.186       | 380           | 388         | 389          | rBV3     | 2345           | 3224          | 0.69%           | 0.087%        |
| 18        | 4.473       | 433           | 435         | 438          | rBV2     | 412            | 553           | 0.12%           | 0.015%        |
| 19        | 4.509       | 438           | 441         | 445          | rVB2     | 377            | 457           | 0.10%           | 0.012%        |
| 20        | 4.710       | 464           | 474         | 491          | rBV2     | 12462          | 39122         | 8.36%           | 1.058%        |
| 21        | 4.905       | 502           | 506         | 508          | rBV      | 299            | 478           | 0.10%           | 0.013%        |
| 22        | 5.125       | 539           | 542         | 543          | rBV      | 211            | 255           | 0.05%           | 0.007%        |
| 23        | 5.174       | 546           | 550         | 552          | rVV      | 254            | 329           | 0.07%           | 0.009%        |
| 24        | 5.210       | 555           | 556         | 560          | rVV2     | 291            | 246           | 0.05%           | 0.007%        |
| 25        | 5.314       | 569           | 573         | 576          | rVV2     | 204            | 291           | 0.06%           | 0.008%        |
| 26        | 5.381       | 580           | 584         | 585          | rBV2     | 276            | 373           | 0.08%           | 0.010%        |
| 27        | 5.741       | 636           | 643         | 653          | rVB6     | 1796           | 5109          | 1.09%           | 0.138%        |
| 28        | 5.844       | 655           | 660         | 661          | rBV      | 210            | 286           | 0.06%           | 0.008%        |
| 29        | 5.942       | 672           | 676         | 678          | rBV      | 225            | 306           | 0.07%           | 0.008%        |
| 30        | 6.094       | 698           | 701         | 704          | rVB      | 238            | 304           | 0.06%           | 0.008%        |
| 31        | 6.356       | 740           | 744         | 746          | rBV2     | 333            | 384           | 0.08%           | 0.010%        |
| 32        | 6.582       | 776           | 781         | 785          | rVB3     | 157            | 285           | 0.06%           | 0.008%        |
| 33        | 6.661       | 791           | 794         | 798          | rBV3     | 173            | 328           | 0.07%           | 0.009%        |
| 34        | 6.887       | 821           | 831         | 839          | rBV      | 30094          | 81875         | 17.50%          | 2.215%        |
| 35        | 6.984       | 841           | 847         | 858          | rVB2     | 5776           | 18093         | 3.87%           | 0.489%        |
| 36        | 7.173       | 875           | 878         | 882          | rVB3     | 390            | 510           | 0.11%           | 0.014%        |

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Peak separation: 5

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 Title : VOC Analysis

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 7.265  | 892  | 893  | 896  | rBV2 | 216    | 254    | 0.05%   | 0.007%  |
| 38 | 7.326  | 900  | 903  | 904  | rBV  | 243    | 255    | 0.05%   | 0.007%  |
| 39 | 7.393  | 912  | 914  | 917  | rBV2 | 169    | 247    | 0.05%   | 0.007%  |
| 40 | 7.478  | 917  | 928  | 940  | rVV  | 93058  | 224357 | 47.97%  | 6.069%  |
| 41 | 7.777  | 974  | 977  | 982  | rVB4 | 481    | 506    | 0.11%   | 0.014%  |
| 42 | 8.112  | 1022 | 1032 | 1046 | rVV2 | 150271 | 467747 | 100.00% | 12.654% |
| 43 | 8.234  | 1046 | 1052 | 1061 | rVB  | 8537   | 18454  | 3.95%   | 0.499%  |
| 44 | 8.319  | 1061 | 1066 | 1067 | rBV2 | 273    | 444    | 0.09%   | 0.012%  |
| 45 | 8.356  | 1070 | 1072 | 1075 | rBV2 | 235    | 318    | 0.07%   | 0.009%  |
| 46 | 8.423  | 1080 | 1083 | 1085 | rVB2 | 273    | 246    | 0.05%   | 0.007%  |
| 47 | 8.539  | 1098 | 1102 | 1107 | rBV2 | 314    | 469    | 0.10%   | 0.013%  |
| 48 | 8.691  | 1118 | 1127 | 1137 | rVB  | 199447 | 396927 | 84.86%  | 10.738% |
| 49 | 8.929  | 1157 | 1166 | 1173 | rBV8 | 2137   | 5207   | 1.11%   | 0.141%  |
| 50 | 9.008  | 1177 | 1179 | 1182 | rVB  | 225    | 295    | 0.06%   | 0.008%  |
| 51 | 9.118  | 1185 | 1197 | 1207 | rBV  | 123930 | 252459 | 53.97%  | 6.830%  |
| 52 | 9.508  | 1256 | 1261 | 1266 | rBV3 | 1305   | 2201   | 0.47%   | 0.060%  |
| 53 | 9.819  | 1308 | 1312 | 1315 | rVV2 | 213    | 296    | 0.06%   | 0.008%  |
| 54 | 9.892  | 1315 | 1324 | 1334 | rVV  | 60443  | 109122 | 23.33%  | 2.952%  |
| 55 | 9.972  | 1334 | 1337 | 1342 | rVV3 | 950    | 1402   | 0.30%   | 0.038%  |
| 56 | 10.069 | 1349 | 1353 | 1363 | rVB5 | 1501   | 2511   | 0.54%   | 0.068%  |
| 57 | 10.179 | 1363 | 1371 | 1377 | rBV2 | 176694 | 307327 | 65.70%  | 8.314%  |
| 58 | 10.240 | 1377 | 1381 | 1391 | rVB  | 12695  | 21261  | 4.55%   | 0.575%  |
| 59 | 10.435 | 1406 | 1413 | 1422 | rVB2 | 40669  | 67842  | 14.50%  | 1.835%  |
| 60 | 10.520 | 1422 | 1427 | 1430 | rBV2 | 313    | 425    | 0.09%   | 0.011%  |
| 61 | 10.581 | 1430 | 1437 | 1444 | rBV2 | 11741  | 22358  | 4.78%   | 0.605%  |
| 62 | 10.727 | 1459 | 1461 | 1464 | rVV3 | 406    | 406    | 0.09%   | 0.011%  |
| 63 | 10.788 | 1464 | 1471 | 1481 | rVV  | 99083  | 162141 | 34.66%  | 4.386%  |
| 64 | 10.947 | 1490 | 1497 | 1506 | rBV  | 17077  | 29811  | 6.37%   | 0.806%  |
| 65 | 11.166 | 1528 | 1533 | 1535 | rVV3 | 277    | 525    | 0.11%   | 0.014%  |
| 66 | 11.209 | 1539 | 1540 | 1543 | rVB2 | 396    | 326    | 0.07%   | 0.009%  |
| 67 | 11.240 | 1543 | 1545 | 1547 | rBV2 | 323    | 302    | 0.06%   | 0.008%  |
| 68 | 11.319 | 1552 | 1558 | 1563 | rVB2 | 9454   | 16511  | 3.53%   | 0.447%  |
| 69 | 11.490 | 1579 | 1586 | 1594 | rBV  | 234359 | 379664 | 81.17%  | 10.271% |
| 70 | 11.593 | 1598 | 1603 | 1610 | rVB4 | 984    | 2044   | 0.44%   | 0.055%  |
| 71 | 11.697 | 1613 | 1620 | 1626 | rVB4 | 1621   | 2842   | 0.61%   | 0.077%  |
| 72 | 11.800 | 1636 | 1637 | 1641 | rVB2 | 328    | 256    | 0.05%   | 0.007%  |
| 73 | 11.996 | 1667 | 1669 | 1671 | rBV2 | 289    | 279    | 0.06%   | 0.008%  |
| 74 | 12.032 | 1671 | 1675 | 1683 | rVB7 | 840    | 1940   | 0.41%   | 0.052%  |
| 75 | 12.337 | 1720 | 1725 | 1727 | rBV3 | 667    | 1081   | 0.23%   | 0.029%  |
| 76 | 12.489 | 1740 | 1750 | 1756 | rBV  | 83212  | 137662 | 29.43%  | 3.724%  |

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Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.556 | 1756 | 1761 | 1768 | rVV  | 110318 | 177114 | 37.87% | 4.791% |
| 78  | 12.623 | 1770 | 1772 | 1776 | rVB4 | 725    | 1075   | 0.23%  | 0.029% |
| 79  | 12.715 | 1784 | 1787 | 1789 | rBV  | 203    | 290    | 0.06%  | 0.008% |
| 80  | 12.752 | 1792 | 1793 | 1798 | rBV4 | 593    | 824    | 0.18%  | 0.022% |
| 81  | 12.819 | 1798 | 1804 | 1811 | rBV  | 8908   | 14337  | 3.07%  | 0.388% |
| 82  | 12.916 | 1811 | 1820 | 1821 | rVB6 | 2572   | 5672   | 1.21%  | 0.153% |
| 83  | 13.001 | 1833 | 1834 | 1837 | rVB2 | 722    | 447    | 0.10%  | 0.012% |
| 84  | 13.062 | 1837 | 1844 | 1851 | rBV7 | 2302   | 5862   | 1.25%  | 0.159% |
| 85  | 13.184 | 1859 | 1864 | 1870 | rVB2 | 8533   | 13261  | 2.84%  | 0.359% |
| 86  | 13.282 | 1874 | 1880 | 1884 | rBV4 | 1609   | 2617   | 0.56%  | 0.071% |
| 87  | 13.331 | 1887 | 1888 | 1890 | rVB2 | 508    | 321    | 0.07%  | 0.009% |
| 88  | 13.379 | 1892 | 1896 | 1897 | rBV  | 876    | 973    | 0.21%  | 0.026% |
| 89  | 13.422 | 1897 | 1903 | 1909 | rBV  | 137155 | 214091 | 45.77% | 5.792% |
| 90  | 13.483 | 1911 | 1913 | 1916 | rVV3 | 1552   | 1760   | 0.38%  | 0.048% |
| 91  | 13.526 | 1917 | 1920 | 1925 | rVB6 | 4173   | 5603   | 1.20%  | 0.152% |
| 92  | 13.635 | 1936 | 1938 | 1945 | rVB6 | 1464   | 2786   | 0.60%  | 0.075% |
| 93  | 13.721 | 1945 | 1952 | 1959 | rBV  | 97857  | 149737 | 32.01% | 4.051% |
| 94  | 13.837 | 1968 | 1971 | 1973 | rBV4 | 781    | 818    | 0.17%  | 0.022% |
| 95  | 13.965 | 1985 | 1992 | 1997 | rBV  | 17546  | 30009  | 6.42%  | 0.812% |
| 96  | 15.044 | 2168 | 2169 | 2171 | rBV2 | 1023   | 648    | 0.14%  | 0.018% |
| 97  | 15.239 | 2199 | 2201 | 2202 | rBV  | 699    | 400    | 0.09%  | 0.011% |
| 98  | 15.312 | 2209 | 2213 | 2219 | rVB2 | 4698   | 6771   | 1.45%  | 0.183% |
| 99  | 15.391 | 2220 | 2226 | 2231 | rVV  | 9013   | 15753  | 3.37%  | 0.426% |
| 100 | 15.885 | 2305 | 2307 | 2308 | rBV  | 717    | 410    | 0.09%  | 0.011% |

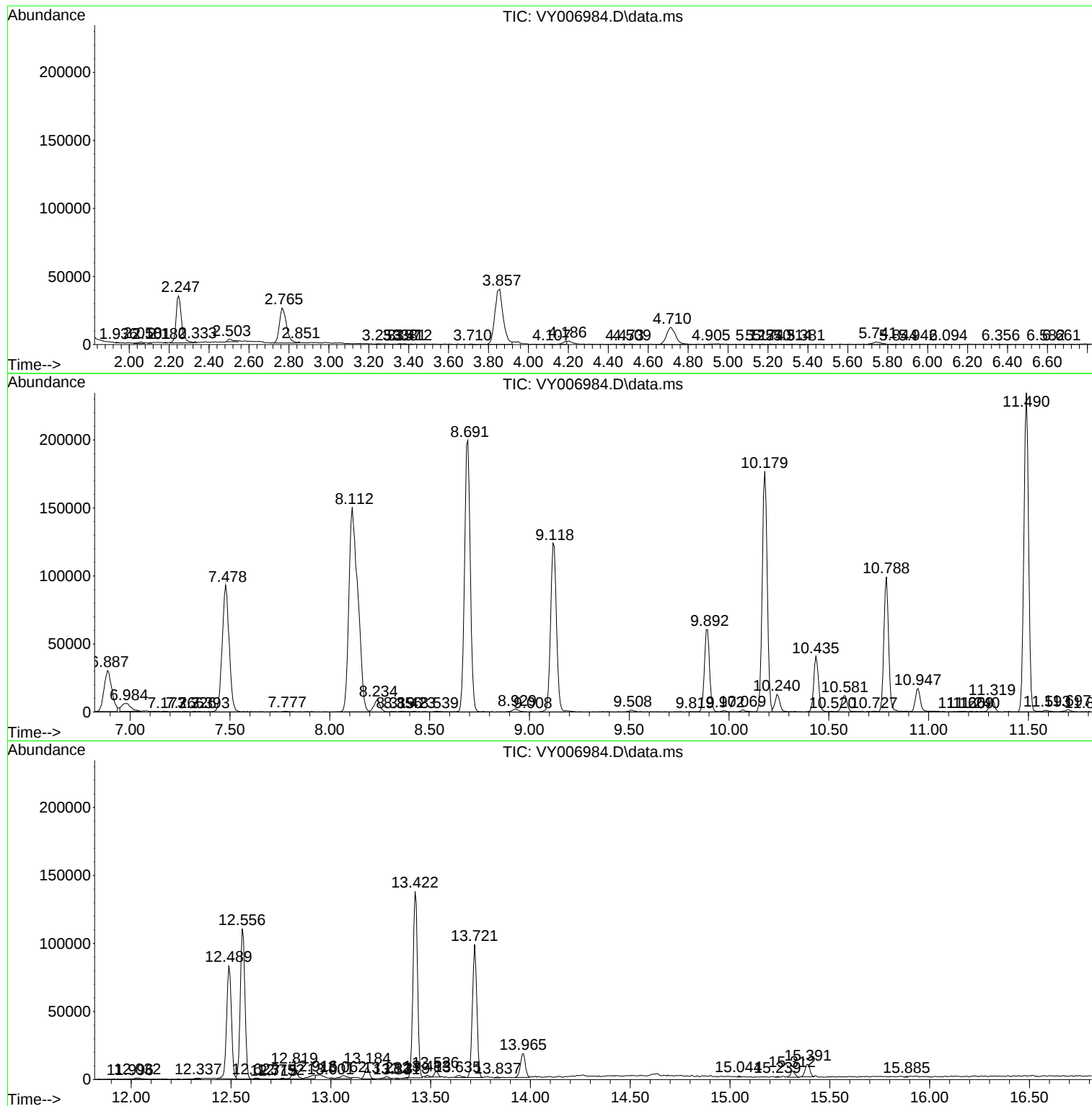
Sum of corrected areas: 3696562

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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
Quant Title : VOC Analysis

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



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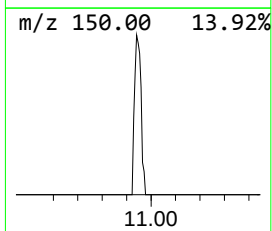
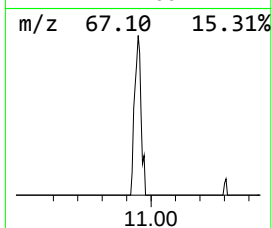
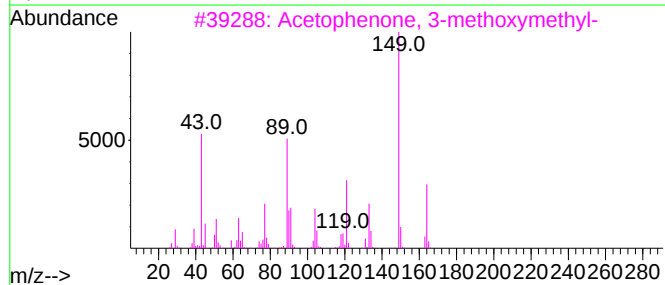
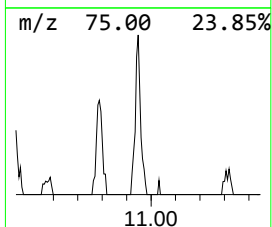
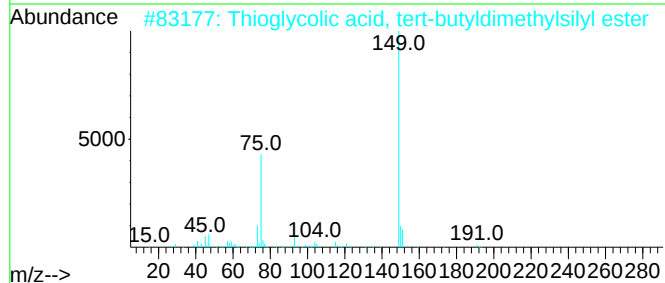
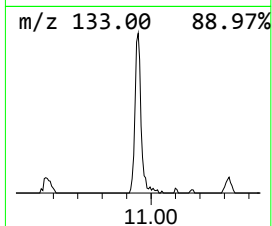
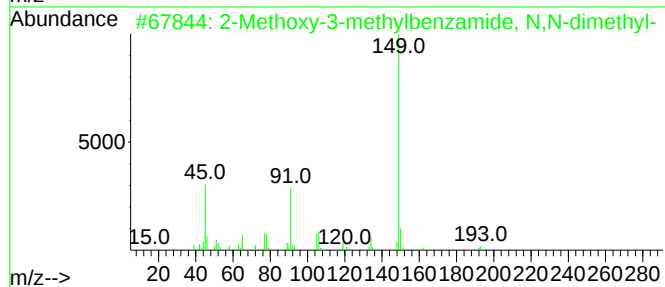
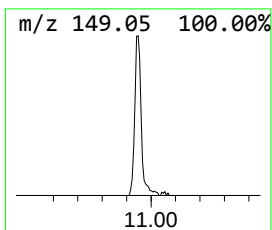
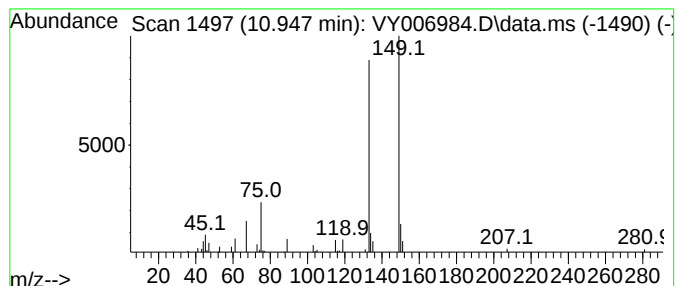
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 4 unknown-01 Concentration Rank 5

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 10.947 | 1.96 ug/L | 29811 | Chlorobenzene-d5 | 11.490 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Methoxy-3-methylbenzamide, N,N... | 193 | C11H15NO2    | 1369798-01-5 | 38      |      |      |
| 2    | Thioglycolic acid, tert-butyldim... | 206 | C8H18O2SSi   | 1000476-01-2 | 38      |      |      |
| 3    | Acetophenone, 3-methoxymethyl-      | 164 | C10H12O2     | 1000159-01-9 | 37      |      |      |
| 4    | 5-Methylthieno[3,2-b]pyridine       | 149 | C8H7NS       | 001759-29-1  | 35      |      |      |
| 5    | 4-Ethylbenzoic acid, 2-ethoxyeth... | 222 | C13H18O3     | 1000331-30-9 | 35      |      |      |



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| TIC Top Hit name | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                  |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown-01       | 10.947 | 2.0     | ug/L  | 29811    | 2                     | 11.490 | 379664 | 25.0 |