

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\  
 Data File : VD067839.D  
 Acq On : 02 Dec 2020 16:53  
 Operator : VA/SY  
 Sample : L4909-01  
 Misc : 5.10G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ROCK-HILL-SLOPE-EMBANKMENT-

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M

Title : SW846 8260

Signal : TIC

| 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         | 1.997       | 11            | 13          | 16           | rVB2     | 1268           | 1212          | 1.61%           | 0.278%        |
| 2         | 2.144       | 34            | 38          | 39           | rBV2     | 1291           | 1290          | 1.72%           | 0.296%        |
| 3         | 2.262       | 53            | 58          | 61           | rBV2     | 498            | 878           | 1.17%           | 0.202%        |
| 4         | 2.315       | 64            | 67          | 69           | rBV2     | 1328           | 1650          | 2.20%           | 0.379%        |
| 5         | 2.779       | 144           | 146         | 147          | rBV2     | 1444           | 848           | 1.13%           | 0.195%        |
| 6         | 2.809       | 149           | 151         | 153          | rBV      | 1249           | 949           | 1.26%           | 0.218%        |
| 7         | 3.068       | 193           | 195         | 196          | rBV      | 1330           | 1087          | 1.45%           | 0.250%        |
| 8         | 3.256       | 224           | 227         | 229          | rBV2     | 862            | 1313          | 1.75%           | 0.301%        |
| 9         | 3.285       | 229           | 232         | 235          | rVB3     | 824            | 1284          | 1.71%           | 0.295%        |
| 10        | 3.362       | 242           | 245         | 247          | rVB      | 1084           | 901           | 1.20%           | 0.207%        |
| 11        | 3.521       | 271           | 272         | 275          | rVB      | 973            | 853           | 1.14%           | 0.196%        |
| 12        | 4.079       | 363           | 367         | 371          | rBV      | 903            | 1564          | 2.08%           | 0.359%        |
| 13        | 4.968       | 510           | 518         | 519          | rBV4     | 5410           | 9432          | 12.55%          | 2.165%        |
| 14        | 5.479       | 597           | 605         | 607          | rVB3     | 1437           | 1892          | 2.52%           | 0.434%        |
| 15        | 5.979       | 686           | 690         | 691          | rBV2     | 1007           | 1416          | 1.88%           | 0.325%        |
| 16        | 5.997       | 691           | 693         | 701          | rVB2     | 2062           | 2782          | 3.70%           | 0.639%        |
| 17        | 7.203       | 889           | 898         | 907          | rBV2     | 8039           | 19760         | 26.30%          | 4.536%        |
| 18        | 7.291       | 910           | 913         | 916          | rVV3     | 838            | 869           | 1.16%           | 0.199%        |
| 19        | 7.314       | 916           | 917         | 924          | rVB2     | 895            | 1017          | 1.35%           | 0.233%        |
| 20        | 7.703       | 976           | 983         | 987          | rBV3     | 2620           | 5956          | 7.93%           | 1.367%        |
| 21        | 7.926       | 1014          | 1021        | 1025         | rBV6     | 3336           | 7643          | 10.17%          | 1.754%        |
| 22        | 7.979       | 1025          | 1030        | 1039         | rVB3     | 7541           | 15782         | 21.01%          | 3.623%        |
| 23        | 8.079       | 1043          | 1047        | 1050         | rBV2     | 1052           | 1292          | 1.72%           | 0.297%        |
| 24        | 8.126       | 1050          | 1055        | 1057         | rBV      | 897            | 1357          | 1.81%           | 0.311%        |
| 25        | 8.297       | 1077          | 1084        | 1089         | rBV2     | 6007           | 13682         | 18.21%          | 3.141%        |
| 26        | 8.873       | 1176          | 1182        | 1189         | rVB3     | 9717           | 17265         | 22.98%          | 3.963%        |
| 27        | 9.008       | 1202          | 1205        | 1207         | rBV      | 693            | 932           | 1.24%           | 0.214%        |
| 28        | 9.108       | 1221          | 1222        | 1226         | rBV      | 899            | 1282          | 1.71%           | 0.294%        |
| 29        | 9.191       | 1231          | 1236        | 1238         | rBV      | 576            | 1054          | 1.40%           | 0.242%        |
| 30        | 9.356       | 1260          | 1264        | 1267         | rBV3     | 1462           | 1727          | 2.30%           | 0.396%        |
| 31        | 9.667       | 1311          | 1317        | 1321         | rVB2     | 746            | 1373          | 1.83%           | 0.315%        |
| 32        | 10.344      | 1424          | 1432        | 1438         | rVB      | 15307          | 25341         | 33.73%          | 5.817%        |
| 33        | 10.408      | 1438          | 1443        | 1447         | rBV3     | 2105           | 3797          | 5.05%           | 0.872%        |
| 34        | 10.726      | 1491          | 1497        | 1503         | rVB2     | 5670           | 10773         | 14.34%          | 2.473%        |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ROCK-HILL-SLOPE-EMBANKMENT-

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |       |         |         |
|----|--------|------|------|------|------|-------|-------|---------|---------|
| 35 | 10.885 | 1519 | 1524 | 1528 | rVB4 | 2259  | 4058  | 5.40%   | 0.931%  |
| 36 | 10.932 | 1528 | 1532 | 1534 | rBV2 | 893   | 971   | 1.29%   | 0.223%  |
| 37 | 11.091 | 1552 | 1559 | 1565 | rBV2 | 11644 | 18322 | 24.39%  | 4.206%  |
| 38 | 11.461 | 1615 | 1622 | 1628 | rVB2 | 3314  | 5692  | 7.58%   | 1.307%  |
| 39 | 11.644 | 1645 | 1653 | 1665 | rBV3 | 21190 | 39518 | 52.60%  | 9.071%  |
| 40 | 11.744 | 1665 | 1670 | 1678 | rBV4 | 2247  | 3901  | 5.19%   | 0.895%  |
| 41 | 11.855 | 1686 | 1689 | 1694 | rBV2 | 2236  | 3697  | 4.92%   | 0.849%  |
| 42 | 11.973 | 1706 | 1709 | 1712 | rBV2 | 852   | 1275  | 1.70%   | 0.293%  |
| 43 | 12.185 | 1741 | 1745 | 1746 | rBV3 | 1922  | 2382  | 3.17%   | 0.547%  |
| 44 | 12.355 | 1769 | 1774 | 1775 | rBV  | 608   | 905   | 1.20%   | 0.208%  |
| 45 | 12.485 | 1791 | 1796 | 1800 | rVB3 | 1717  | 2730  | 3.63%   | 0.627%  |
| 46 | 12.638 | 1814 | 1822 | 1828 | rBV3 | 26477 | 46919 | 62.45%  | 10.770% |
| 47 | 12.761 | 1840 | 1843 | 1849 | rBV3 | 1551  | 2299  | 3.06%   | 0.528%  |
| 48 | 12.826 | 1850 | 1854 | 1859 | rVB2 | 2462  | 2549  | 3.39%   | 0.585%  |
| 49 | 12.897 | 1864 | 1866 | 1868 | rBV2 | 899   | 874   | 1.16%   | 0.201%  |
| 50 | 12.955 | 1874 | 1876 | 1880 | rBV3 | 5047  | 6664  | 8.87%   | 1.530%  |
| 51 | 13.014 | 1885 | 1886 | 1890 | rVB2 | 2033  | 1516  | 2.02%   | 0.348%  |
| 52 | 13.179 | 1910 | 1914 | 1918 | rVB2 | 809   | 1319  | 1.76%   | 0.303%  |
| 53 | 13.226 | 1918 | 1922 | 1926 | rBV2 | 2070  | 2985  | 3.97%   | 0.685%  |
| 54 | 13.279 | 1926 | 1931 | 1936 | rVB4 | 2289  | 3562  | 4.74%   | 0.818%  |
| 55 | 13.414 | 1949 | 1954 | 1958 | rBV4 | 2292  | 4167  | 5.55%   | 0.956%  |
| 56 | 13.514 | 1968 | 1971 | 1976 | rVB3 | 4287  | 6586  | 8.77%   | 1.512%  |
| 57 | 13.579 | 1976 | 1982 | 1989 | rBV2 | 43976 | 75128 | 100.00% | 17.245% |
| 58 | 13.844 | 2023 | 2027 | 2032 | rVB2 | 2296  | 3813  | 5.08%   | 0.875%  |
| 59 | 13.891 | 2032 | 2035 | 2041 | rVB3 | 1969  | 2691  | 3.58%   | 0.618%  |
| 60 | 14.102 | 2067 | 2071 | 2075 | rBV3 | 1874  | 3072  | 4.09%   | 0.705%  |
| 61 | 14.138 | 2075 | 2077 | 2082 | rVB2 | 908   | 1207  | 1.61%   | 0.277%  |
| 62 | 14.191 | 2082 | 2086 | 2088 | rBV2 | 692   | 1150  | 1.53%   | 0.264%  |
| 63 | 14.508 | 2138 | 2140 | 2143 | rBV  | 812   | 992   | 1.32%   | 0.228%  |
| 64 | 14.820 | 2188 | 2193 | 2195 | rBV3 | 2315  | 2569  | 3.42%   | 0.590%  |
| 65 | 15.079 | 2233 | 2237 | 2239 | rVB  | 688   | 1000  | 1.33%   | 0.230%  |
| 66 | 15.108 | 2239 | 2242 | 2245 | rBV2 | 738   | 1213  | 1.61%   | 0.278%  |
| 67 | 15.173 | 2248 | 2253 | 2256 | rVB3 | 2616  | 4387  | 5.84%   | 1.007%  |
| 68 | 15.273 | 2268 | 2270 | 2272 | rVB2 | 2645  | 1315  | 1.75%   | 0.302%  |
| 69 | 15.396 | 2287 | 2291 | 2292 | rBV  | 1619  | 1606  | 2.14%   | 0.369%  |
| 70 | 15.485 | 2304 | 2306 | 2307 | rBV  | 1292  | 975   | 1.30%   | 0.224%  |
| 71 | 15.585 | 2321 | 2323 | 2324 | rBV  | 1721  | 1030  | 1.37%   | 0.236%  |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ROCK-HILL-SLOPE-EMBANKMENT-

## Integration Parameters: RTEINT.P

Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % 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\_D\METHOD\82D120120S.M  
Title : SW846 8260

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 72 | 15.602 | 2324 | 2326 | 2330 | rVB3 | 2073 | 2277 | 3.03% | 0.523% |
| 73 | 15.749 | 2348 | 2351 | 2354 | rBV2 | 799  | 1349 | 1.80% | 0.310% |
| 74 | 15.814 | 2361 | 2362 | 2366 | rVB3 | 1094 | 1035 | 1.38% | 0.238% |
| 75 | 15.873 | 2368 | 2372 | 2374 | rBV  | 1363 | 1541 | 2.05% | 0.354% |
| 76 | 16.126 | 2412 | 2415 | 2418 | rBV3 | 788  | 1068 | 1.42% | 0.245% |
| 77 | 16.314 | 2444 | 2447 | 2450 | rBV3 | 949  | 1100 | 1.46% | 0.252% |
| 78 | 16.367 | 2452 | 2456 | 2459 | rVB3 | 719  | 1120 | 1.49% | 0.257% |
| 79 | 16.679 | 2508 | 2509 | 2515 | rVB2 | 838  | 872  | 1.16% | 0.200% |

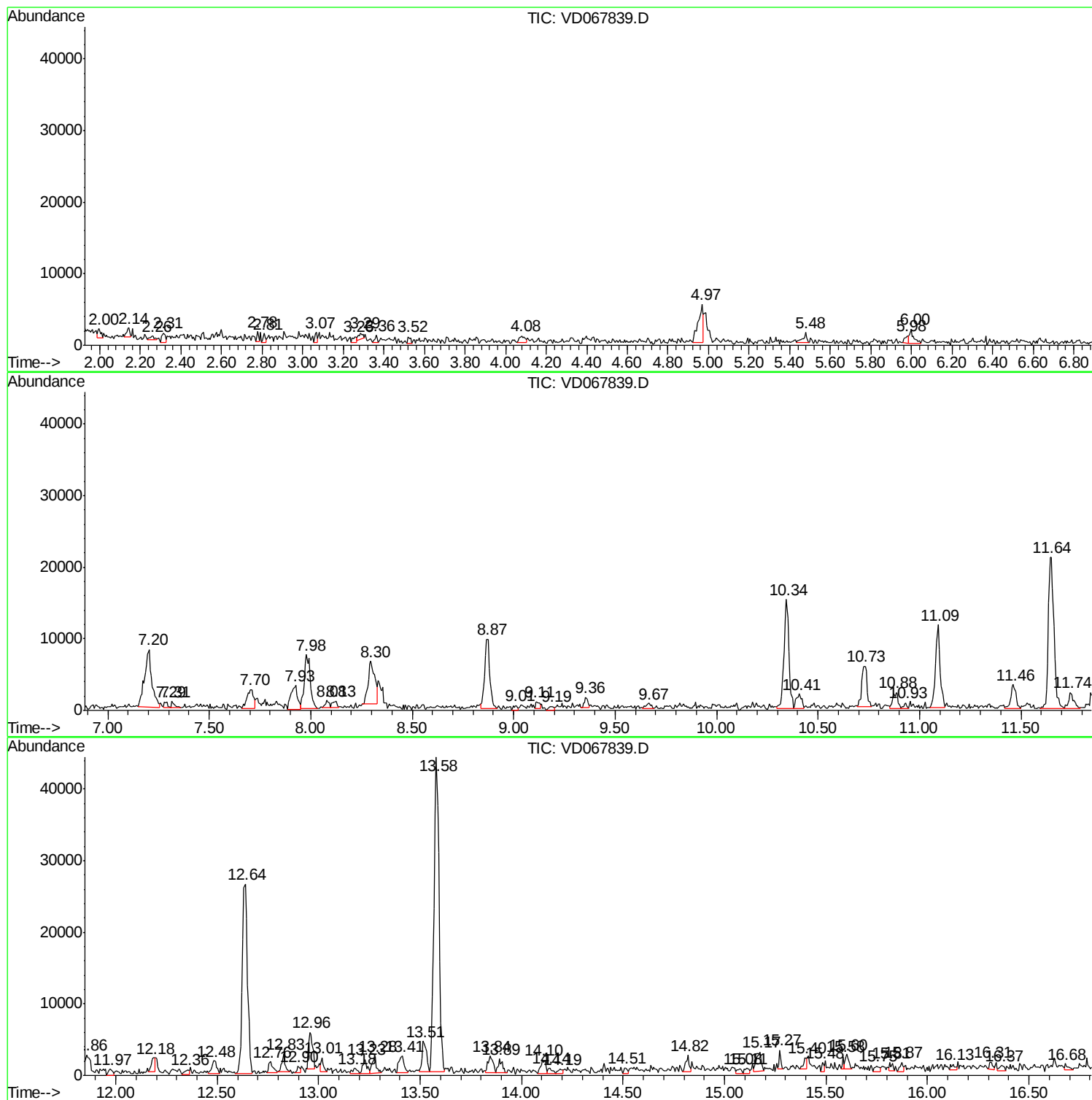
Sum of corrected areas: 435654

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M  
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

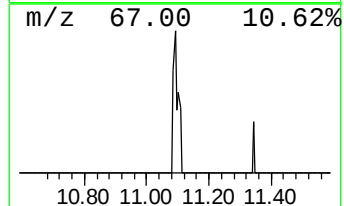
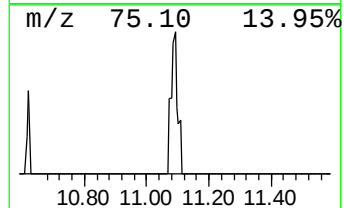
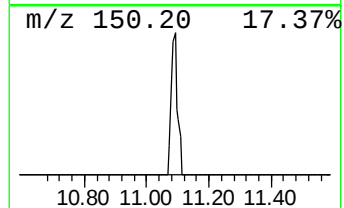
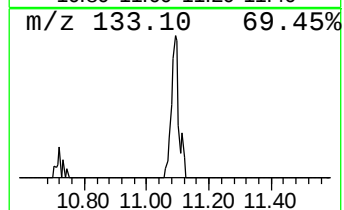
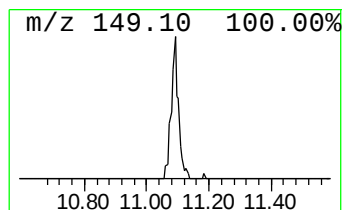
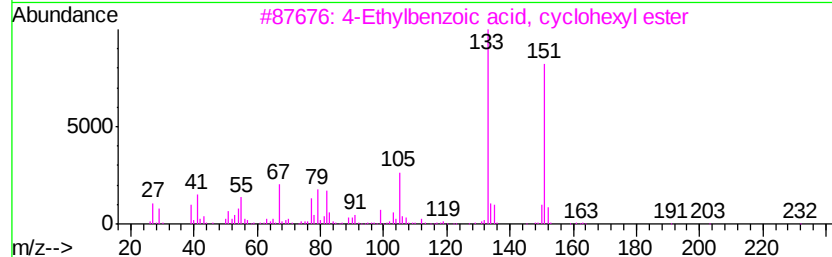
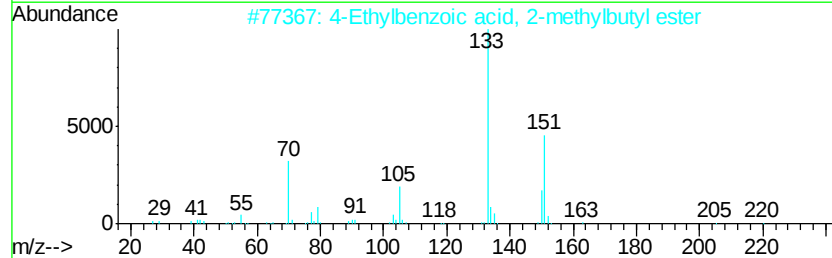
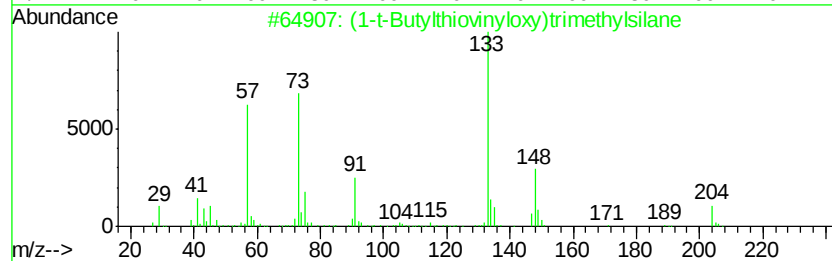
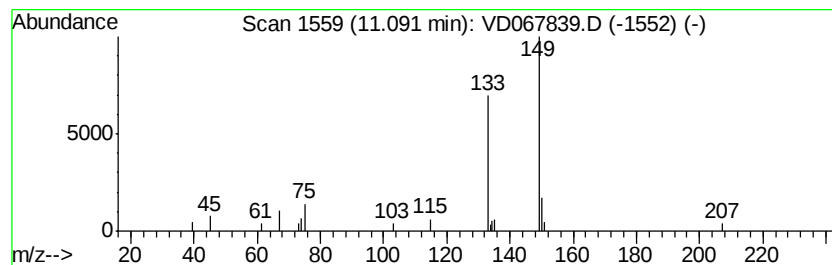
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown11.09 Concentration Rank 3

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 11.09 | 23.18 ug/l | 18322 | Chlorobenzene-d5 | 11.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | (1-t-Butylthiovinloxy)trimethyl...  | 204 | C9H20SSi | 063584-47-4  | 12   |
| 2    |    | 4-Ethylbenzoic acid, 2-methylbut... | 220 | C14H20O2 | 1000331-30-8 | 10   |
| 3    |    | 4-Ethylbenzoic acid, cyclohexyl ... | 232 | C15H20O2 | 1000293-32-1 | 10   |
| 4    |    | m-Methoxybenzonitrile               | 133 | C8H7NO   | 001527-89-5  | 9    |
| 5    |    | 1,2,4-Triazole, 3,5-dithioxo-       | 133 | C2H3N3S2 | 005650-03-3  | 9    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_D\METHOD\82D120120S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                  |       |         |       |          | #                     | RT    | Resp  | Conc |
| unknown11.09     | 11.09 | 23.2    | ug/l  | 18322    | 3                     | 11.65 | 39518 | 50.0 |