

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031019\  
 Data File : VV009575.D  
 Acq On : 10 Mar 2019 18:53  
 Operator : SY/MD  
 Sample : VIBLK77  
 Misc : 5.00G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK77

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0 % 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\_V\METHOD\SOM2VLM030519S.M  
 Title : VOC Analysis

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         | 1.315       | 62            | 70          | 79           | rBV      | 51967          | 51844         | 12.49%          | 1.554%        |
| 2         | 1.560       | 140           | 146         | 155          | rVB      | 50675          | 59704         | 14.39%          | 1.789%        |
| 3         | 2.123       | 312           | 321         | 336          | rVB      | 127541         | 186239        | 44.88%          | 5.582%        |
| 4         | 2.447       | 419           | 422         | 425          | rBV3     | 410            | 343           | 0.08%           | 0.010%        |
| 5         | 2.531       | 441           | 448         | 459          | rBV3     | 1999           | 3268          | 0.79%           | 0.098%        |
| 6         | 2.647       | 475           | 484         | 503          | rVB2     | 13837          | 31137         | 7.50%           | 0.933%        |
| 7         | 2.942       | 574           | 576         | 583          | rVB      | 230            | 138           | 0.03%           | 0.004%        |
| 8         | 3.280       | 679           | 681         | 684          | rVB      | 402            | 223           | 0.05%           | 0.007%        |
| 9         | 3.315       | 689           | 692         | 695          | rBV      | 218            | 136           | 0.03%           | 0.004%        |
| 10        | 3.377       | 708           | 711         | 713          | rBV      | 218            | 120           | 0.03%           | 0.004%        |
| 11        | 3.450       | 731           | 734         | 739          | rBV2     | 231            | 209           | 0.05%           | 0.006%        |
| 12        | 3.749       | 825           | 827         | 830          | rBV2     | 170            | 114           | 0.03%           | 0.003%        |
| 13        | 3.930       | 871           | 883         | 914          | rBV2     | 24965          | 74814         | 18.03%          | 2.242%        |
| 14        | 4.399       | 1014          | 1029        | 1052         | rBV2     | 64400          | 169661        | 40.88%          | 5.085%        |
| 15        | 4.634       | 1097          | 1102        | 1105         | rBV3     | 283            | 246           | 0.06%           | 0.007%        |
| 16        | 4.782       | 1145          | 1148        | 1151         | rBV2     | 213            | 152           | 0.04%           | 0.005%        |
| 17        | 4.891       | 1178          | 1182        | 1185         | rBV2     | 208            | 204           | 0.05%           | 0.006%        |
| 18        | 4.923       | 1189          | 1192        | 1195         | rBV2     | 165            | 139           | 0.03%           | 0.004%        |
| 19        | 4.971       | 1204          | 1207        | 1210         | rBV      | 306            | 169           | 0.04%           | 0.005%        |
| 20        | 4.997       | 1210          | 1215        | 1218         | rBV      | 270            | 284           | 0.07%           | 0.009%        |
| 21        | 5.093       | 1227          | 1245        | 1287         | rBV3     | 161273         | 414991        | 100.00%         | 12.438%       |
| 22        | 5.299       | 1307          | 1309        | 1311         | rBV      | 345            | 136           | 0.03%           | 0.004%        |
| 23        | 5.338       | 1318          | 1321        | 1326         | rBV2     | 210            | 203           | 0.05%           | 0.006%        |
| 24        | 5.402       | 1339          | 1341        | 1342         | rBV2     | 163            | 49            | 0.01%           | 0.001%        |
| 25        | 5.415       | 1342          | 1345        | 1348         | rVV2     | 231            | 186           | 0.04%           | 0.006%        |
| 26        | 5.495       | 1367          | 1370        | 1375         | rBV2     | 344            | 330           | 0.08%           | 0.010%        |
| 27        | 5.663       | 1408          | 1422        | 1444         | rBV      | 143027         | 289616        | 69.79%          | 8.681%        |
| 28        | 5.984       | 1520          | 1522        | 1527         | rVB2     | 325            | 226           | 0.05%           | 0.007%        |
| 29        | 6.023       | 1530          | 1534        | 1539         | rVV3     | 445            | 492           | 0.12%           | 0.015%        |
| 30        | 6.116       | 1549          | 1563        | 1587         | rBV2     | 92338          | 189251        | 45.60%          | 5.672%        |
| 31        | 6.325       | 1626          | 1628        | 1631         | rBV      | 200            | 112           | 0.03%           | 0.003%        |
| 32        | 6.614       | 1713          | 1718        | 1720         | rBV2     | 243            | 270           | 0.07%           | 0.008%        |
| 33        | 6.656       | 1726          | 1731        | 1734         | rBV2     | 341            | 287           | 0.07%           | 0.009%        |
| 34        | 6.688       | 1734          | 1741        | 1742         | rBV2     | 2549           | 2533          | 0.61%           | 0.076%        |

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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 6.904  | 1806 | 1808 | 1810 | rBV  | 145    | 86     | 0.02%  | 0.003%  |
| 36 | 6.936  | 1815 | 1818 | 1820 | rBV2 | 191    | 118    | 0.03%  | 0.004%  |
| 37 | 7.029  | 1835 | 1847 | 1867 | rBV2 | 50435  | 89710  | 21.62% | 2.689%  |
| 38 | 7.286  | 1918 | 1927 | 1936 | rBV4 | 1594   | 2606   | 0.63%  | 0.078%  |
| 39 | 7.360  | 1936 | 1950 | 1970 | rBV  | 194181 | 347670 | 83.78% | 10.421% |
| 40 | 7.662  | 2034 | 2044 | 2061 | rBV2 | 33799  | 55349  | 13.34% | 1.659%  |
| 41 | 7.833  | 2092 | 2097 | 2101 | rBV3 | 395    | 480    | 0.12%  | 0.014%  |
| 42 | 7.981  | 2132 | 2143 | 2150 | rBV3 | 4666   | 8258   | 1.99%  | 0.248%  |
| 43 | 8.132  | 2179 | 2190 | 2217 | rBV  | 82090  | 145407 | 35.04% | 4.358%  |
| 44 | 8.344  | 2253 | 2256 | 2258 | rBV  | 304    | 197    | 0.05%  | 0.006%  |
| 45 | 8.431  | 2280 | 2283 | 2285 | rBV2 | 216    | 118    | 0.03%  | 0.004%  |
| 46 | 8.460  | 2285 | 2292 | 2293 | rBV3 | 573    | 482    | 0.12%  | 0.014%  |
| 47 | 8.614  | 2338 | 2340 | 2342 | rBV  | 295    | 139    | 0.03%  | 0.004%  |
| 48 | 8.714  | 2368 | 2371 | 2376 | rVB2 | 268    | 245    | 0.06%  | 0.007%  |
| 49 | 8.736  | 2376 | 2378 | 2380 | rBV  | 191    | 135    | 0.03%  | 0.004%  |
| 50 | 8.897  | 2415 | 2428 | 2454 | rBV  | 217142 | 372300 | 89.71% | 11.159% |
| 51 | 9.277  | 2543 | 2546 | 2550 | rBV  | 201    | 173    | 0.04%  | 0.005%  |
| 52 | 9.441  | 2594 | 2597 | 2602 | rBV2 | 298    | 352    | 0.08%  | 0.011%  |
| 53 | 9.582  | 2635 | 2641 | 2642 | rBV2 | 380    | 268    | 0.06%  | 0.008%  |
| 54 | 9.656  | 2661 | 2664 | 2667 | rBV2 | 238    | 158    | 0.04%  | 0.005%  |
| 55 | 9.720  | 2681 | 2684 | 2687 | rBV2 | 202    | 151    | 0.04%  | 0.005%  |
| 56 | 9.759  | 2695 | 2696 | 2697 | rBV  | 152    | 47     | 0.01%  | 0.001%  |
| 57 | 9.833  | 2717 | 2719 | 2720 | rBV  | 224    | 97     | 0.02%  | 0.003%  |
| 58 | 10.132 | 2809 | 2812 | 2818 | rVB2 | 450    | 387    | 0.09%  | 0.012%  |
| 59 | 10.260 | 2841 | 2852 | 2869 | rVB  | 110884 | 178197 | 42.94% | 5.341%  |
| 60 | 10.424 | 2895 | 2903 | 2922 | rVB3 | 11895  | 19651  | 4.74%  | 0.589%  |
| 61 | 10.543 | 2937 | 2940 | 2941 | rBV  | 208    | 113    | 0.03%  | 0.003%  |
| 62 | 10.929 | 3056 | 3060 | 3061 | rBV  | 244    | 171    | 0.04%  | 0.005%  |
| 63 | 11.129 | 3119 | 3122 | 3125 | rBV2 | 220    | 165    | 0.04%  | 0.005%  |
| 64 | 11.225 | 3150 | 3152 | 3154 | rVB2 | 386    | 148    | 0.04%  | 0.004%  |
| 65 | 11.296 | 3163 | 3174 | 3198 | rVB  | 192976 | 323773 | 78.02% | 9.704%  |
| 66 | 11.492 | 3234 | 3235 | 3236 | rVB  | 564    | 109    | 0.03%  | 0.003%  |
| 67 | 11.505 | 3236 | 3239 | 3242 | rBV2 | 230    | 159    | 0.04%  | 0.005%  |
| 68 | 11.672 | 3280 | 3291 | 3308 | rBV  | 179613 | 296970 | 71.56% | 8.901%  |
| 69 | 11.788 | 3323 | 3327 | 3331 | rBV  | 282    | 266    | 0.06%  | 0.008%  |
| 70 | 12.219 | 3458 | 3461 | 3467 | rBV2 | 300    | 215    | 0.05%  | 0.006%  |
| 71 | 12.299 | 3479 | 3486 | 3500 | rVB  | 5583   | 9108   | 2.19%  | 0.273%  |

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VIBLK77

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 0 % 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\_V\METHOD\SOM2VLM030519S.M  
Title : VOC Analysis

|    |        |      |      |      |      |      |      |       |        |
|----|--------|------|------|------|------|------|------|-------|--------|
| 72 | 12.421 | 3522 | 3524 | 3525 | rBV  | 203  | 76   | 0.02% | 0.002% |
| 73 | 12.550 | 3561 | 3564 | 3572 | rBV2 | 322  | 360  | 0.09% | 0.011% |
| 74 | 12.633 | 3586 | 3590 | 3591 | rBV  | 235  | 161  | 0.04% | 0.005% |
| 75 | 12.775 | 3630 | 3634 | 3641 | rBV  | 430  | 603  | 0.15% | 0.018% |
| 76 | 13.180 | 3758 | 3760 | 3761 | rBV  | 291  | 71   | 0.02% | 0.002% |
| 77 | 13.444 | 3838 | 3842 | 3845 | rBV  | 429  | 442  | 0.11% | 0.013% |
| 78 | 13.495 | 3855 | 3858 | 3863 | rVB  | 446  | 357  | 0.09% | 0.011% |
| 79 | 13.794 | 3946 | 3951 | 3958 | rBV5 | 1250 | 1784 | 0.43% | 0.053% |
| 80 | 15.588 | 4507 | 4509 | 4512 | rBV  | 439  | 167  | 0.04% | 0.005% |
| 81 | 15.659 | 4528 | 4531 | 4533 | rBV  | 484  | 312  | 0.08% | 0.009% |
| 82 | 15.675 | 4534 | 4536 | 4539 | rVB  | 641  | 251  | 0.06% | 0.008% |

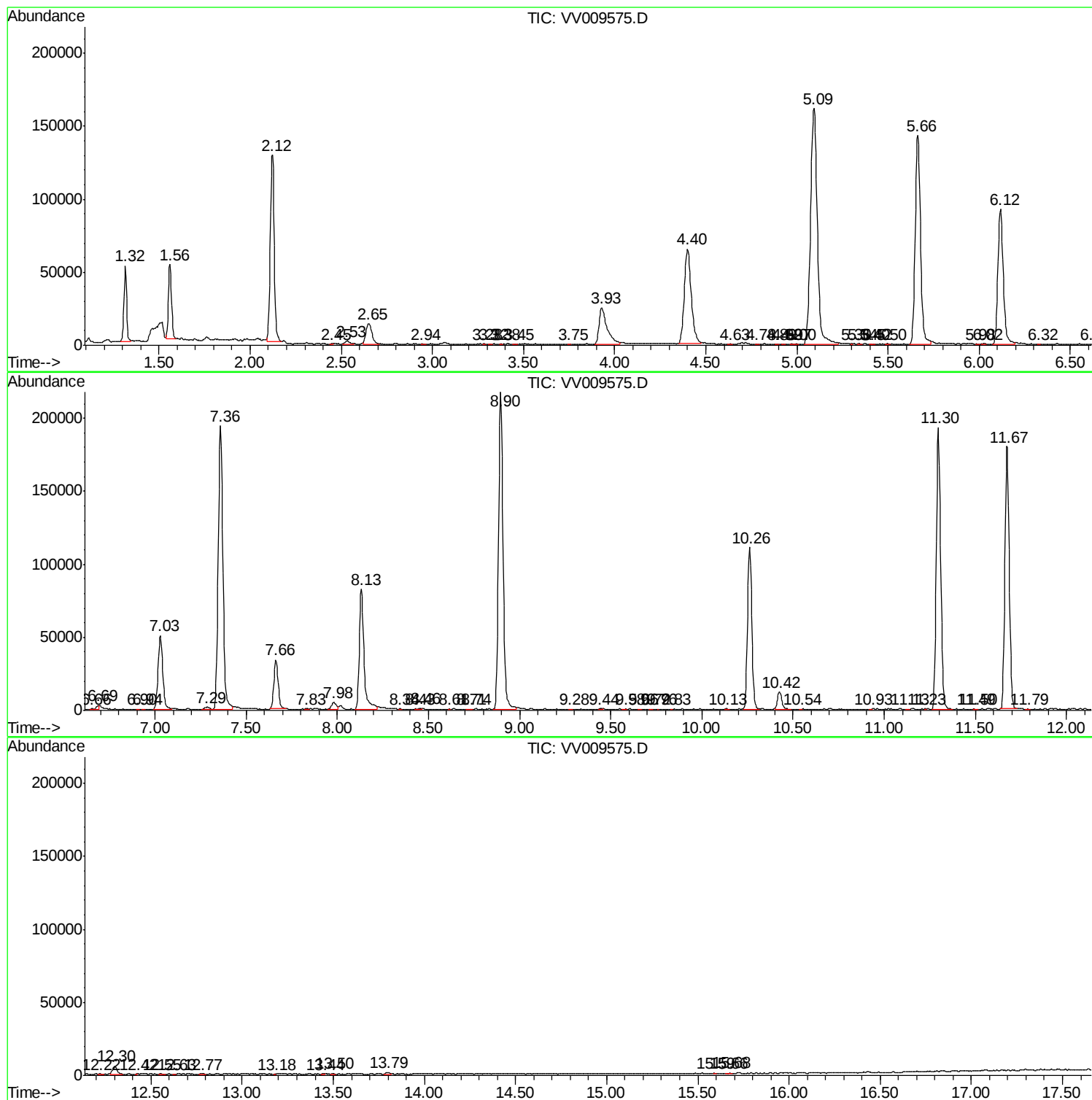
Sum of corrected areas: 3336388

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031019\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
Quant Title : VOC Analysis

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



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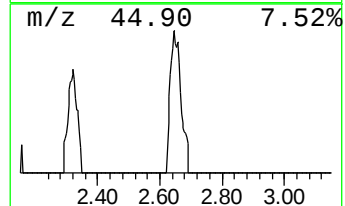
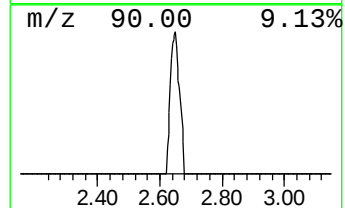
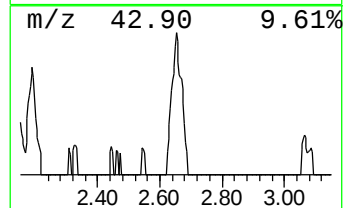
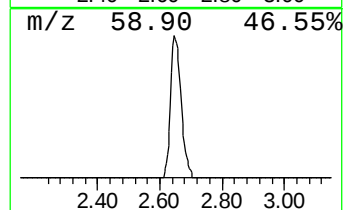
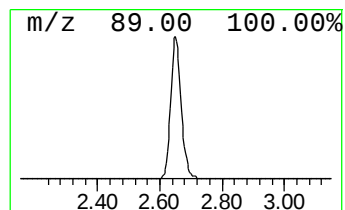
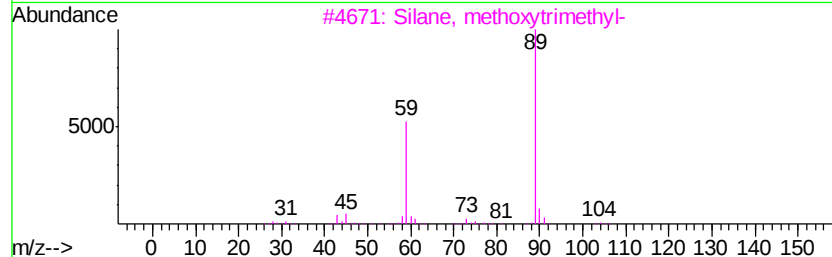
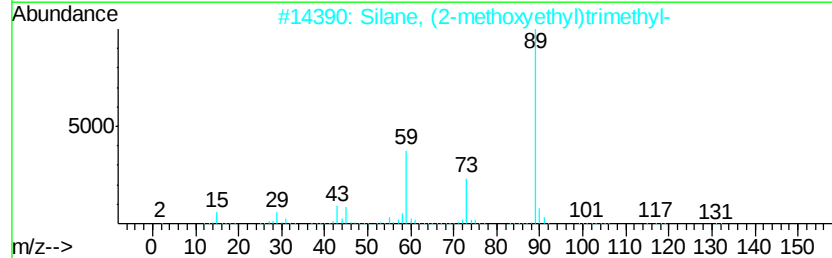
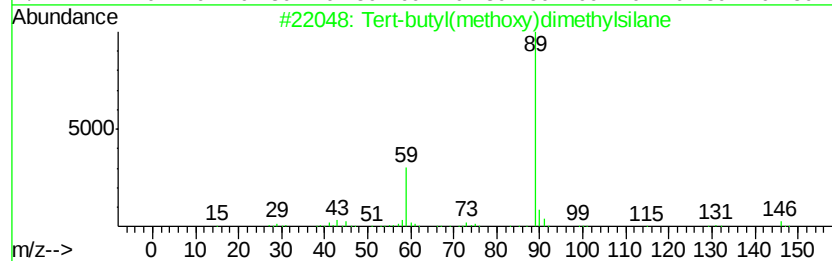
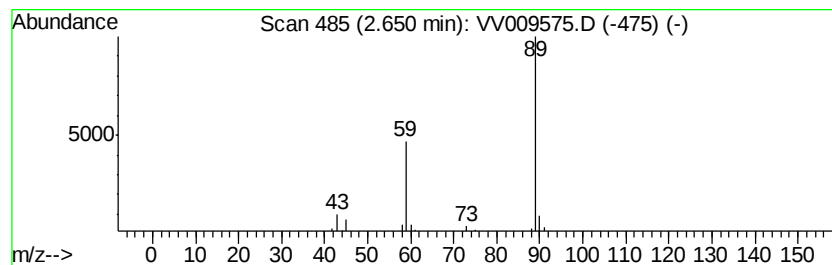
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Tert-butyl(methoxy)dimethyl... Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.65 | 2.69 ug/L | 31137 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tert-butyl(methoxy)dimethylsilane   | 146 | C7H18OSi | 1000364-10-7 | 83   |
| 2    |    |   | Silane, (2-methoxyethyl)trimethyl-  | 132 | C6H16OSi | 018173-63-2  | 83   |
| 3    |    |   | Silane, methoxytrimethyl-           | 104 | C4H12OSi | 001825-61-2  | 83   |
| 4    |    |   | Silane, methoxytrimethyl-           | 104 | C4H12OSi | 001825-61-2  | 83   |
| 5    |    |   | Tricyclo[5.2.2.0(2,6)]undecan-11... | 352 | C18H24O7 | 1000155-17-7 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Tert-butyl(methox... | 2.65 | 2.7     | ug/L  | 31137    | 1                     | 5.66 | 289616 | 25.0 |