

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031519\  
 Data File : VV009681.D  
 Acq On : 15 Mar 2019 12:05  
 Operator : SY/MD  
 Sample : K1885-18  
 Misc : 5.94G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF1K2

## 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\SOM2VLM031319S.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         | 1.116       | 4             | 8           | 14           | rVB2     | 3535           | 3126          | 0.78%           | 0.098%        |
| 2         | 1.213       | 33            | 38          | 43           | rBV4     | 1865           | 2775          | 0.69%           | 0.087%        |
| 3         | 1.319       | 62            | 71          | 83           | rBV      | 55178          | 59470         | 14.80%          | 1.862%        |
| 4         | 1.473       | 108           | 119         | 123          | rBV6     | 10104          | 20496         | 5.10%           | 0.642%        |
| 5         | 1.569       | 142           | 149         | 162          | rBV      | 49209          | 59975         | 14.92%          | 1.878%        |
| 6         | 1.971       | 270           | 274         | 283          | rVB5     | 5160           | 6766          | 1.68%           | 0.212%        |
| 7         | 2.026       | 289           | 291         | 293          | rBV3     | 915            | 490           | 0.12%           | 0.015%        |
| 8         | 2.126       | 311           | 322         | 333          | rBV      | 128685         | 181943        | 45.27%          | 5.696%        |
| 9         | 2.254       | 358           | 362         | 366          | rVB2     | 440            | 309           | 0.08%           | 0.010%        |
| 10        | 2.306       | 377           | 378         | 387          | rVB4     | 538            | 561           | 0.14%           | 0.018%        |
| 11        | 2.428       | 407           | 416         | 433          | rVB      | 8274           | 14275         | 3.55%           | 0.447%        |
| 12        | 2.534       | 440           | 449         | 463          | rBV2     | 17951          | 30295         | 7.54%           | 0.948%        |
| 13        | 2.653       | 474           | 486         | 498          | rBV2     | 15682          | 32760         | 8.15%           | 1.026%        |
| 14        | 2.772       | 520           | 523         | 528          | rVB      | 383            | 377           | 0.09%           | 0.012%        |
| 15        | 2.798       | 528           | 531         | 533          | rBV2     | 396            | 271           | 0.07%           | 0.008%        |
| 16        | 2.820       | 533           | 538         | 542          | rBV2     | 377            | 354           | 0.09%           | 0.011%        |
| 17        | 2.939       | 572           | 575         | 581          | rVB      | 653            | 659           | 0.16%           | 0.021%        |
| 18        | 3.071       | 608           | 616         | 626          | rVB6     | 1726           | 3155          | 0.79%           | 0.099%        |
| 19        | 3.142       | 631           | 638         | 639          | rBV2     | 414            | 393           | 0.10%           | 0.012%        |
| 20        | 3.212       | 648           | 660         | 663          | rBV2     | 273            | 575           | 0.14%           | 0.018%        |
| 21        | 3.257       | 671           | 674         | 683          | rVB2     | 453            | 449           | 0.11%           | 0.014%        |
| 22        | 3.441       | 728           | 731         | 736          | rVB      | 444            | 384           | 0.10%           | 0.012%        |
| 23        | 3.724       | 815           | 819         | 825          | rBV      | 439            | 374           | 0.09%           | 0.012%        |
| 24        | 3.949       | 871           | 889         | 912          | rBV3     | 12782          | 47374         | 11.79%          | 1.483%        |
| 25        | 4.177       | 954           | 960         | 963          | rBV4     | 682            | 694           | 0.17%           | 0.022%        |
| 26        | 4.216       | 970           | 972         | 977          | rVB3     | 488            | 392           | 0.10%           | 0.012%        |
| 27        | 4.251       | 980           | 983         | 985          | rBV2     | 534            | 277           | 0.07%           | 0.009%        |
| 28        | 4.399       | 1013          | 1029        | 1053         | rBV2     | 68001          | 169377        | 42.15%          | 5.303%        |
| 29        | 4.560       | 1076          | 1079        | 1083         | rVB2     | 539            | 430           | 0.11%           | 0.013%        |
| 30        | 4.627       | 1094          | 1100        | 1104         | rBV2     | 421            | 604           | 0.15%           | 0.019%        |
| 31        | 4.749       | 1132          | 1138        | 1141         | rBV      | 609            | 639           | 0.16%           | 0.020%        |
| 32        | 4.765       | 1141          | 1143        | 1146         | rVB2     | 526            | 294           | 0.07%           | 0.009%        |
| 33        | 4.810       | 1153          | 1157        | 1163         | rVB      | 589            | 555           | 0.14%           | 0.017%        |
| 34        | 4.862       | 1170          | 1173        | 1176         | rBV      | 387            | 288           | 0.07%           | 0.009%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |         |         |
|----|-------|------|------|------|------|--------|--------|---------|---------|
| 35 | 5.023 | 1219 | 1223 | 1227 | rBV  | 457    | 462    | 0.11%   | 0.014%  |
| 36 | 5.093 | 1227 | 1245 | 1272 | rBV3 | 154725 | 401862 | 100.00% | 12.582% |
| 37 | 5.338 | 1318 | 1321 | 1326 | rVB3 | 634    | 590    | 0.15%   | 0.018%  |
| 38 | 5.444 | 1350 | 1354 | 1360 | rVB  | 381    | 372    | 0.09%   | 0.012%  |
| 39 | 5.598 | 1398 | 1402 | 1404 | rBV  | 415    | 327    | 0.08%   | 0.010%  |
| 40 | 5.663 | 1408 | 1422 | 1443 | rBV  | 141294 | 289959 | 72.15%  | 9.078%  |
| 41 | 5.990 | 1521 | 1524 | 1528 | rVB2 | 554    | 481    | 0.12%   | 0.015%  |
| 42 | 6.023 | 1528 | 1534 | 1538 | rBV3 | 443    | 373    | 0.09%   | 0.012%  |
| 43 | 6.116 | 1548 | 1563 | 1586 | rBV2 | 87535  | 183441 | 45.65%  | 5.743%  |
| 44 | 6.296 | 1616 | 1619 | 1623 | rVB  | 483    | 266    | 0.07%   | 0.008%  |
| 45 | 6.325 | 1623 | 1628 | 1631 | rBV2 | 320    | 306    | 0.08%   | 0.010%  |
| 46 | 6.405 | 1650 | 1653 | 1659 | rVB2 | 483    | 429    | 0.11%   | 0.013%  |
| 47 | 6.608 | 1714 | 1716 | 1722 | rVB  | 431    | 431    | 0.11%   | 0.013%  |
| 48 | 6.691 | 1738 | 1742 | 1746 | rBV3 | 637    | 688    | 0.17%   | 0.022%  |
| 49 | 6.746 | 1756 | 1759 | 1763 | rBV  | 377    | 335    | 0.08%   | 0.010%  |
| 50 | 6.823 | 1775 | 1783 | 1785 | rBV2 | 428    | 530    | 0.13%   | 0.017%  |
| 51 | 6.978 | 1825 | 1831 | 1835 | rBV  | 557    | 681    | 0.17%   | 0.021%  |
| 52 | 7.029 | 1835 | 1847 | 1868 | rVV  | 46345  | 85793  | 21.35%  | 2.686%  |
| 53 | 7.103 | 1868 | 1870 | 1879 | rVB2 | 863    | 750    | 0.19%   | 0.023%  |
| 54 | 7.241 | 1910 | 1913 | 1918 | rVB2 | 501    | 438    | 0.11%   | 0.014%  |
| 55 | 7.273 | 1918 | 1923 | 1925 | rBV2 | 828    | 645    | 0.16%   | 0.020%  |
| 56 | 7.357 | 1934 | 1949 | 1969 | rBV  | 193995 | 346288 | 86.17%  | 10.842% |
| 57 | 7.518 | 1995 | 1999 | 2005 | rVB2 | 709    | 663    | 0.16%   | 0.021%  |
| 58 | 7.617 | 2025 | 2030 | 2033 | rBV  | 332    | 292    | 0.07%   | 0.009%  |
| 59 | 7.662 | 2033 | 2044 | 2061 | rBV2 | 30813  | 51690  | 12.86%  | 1.618%  |
| 60 | 7.740 | 2066 | 2068 | 2073 | rVB2 | 684    | 461    | 0.11%   | 0.014%  |
| 61 | 7.788 | 2080 | 2083 | 2088 | rVB2 | 498    | 376    | 0.09%   | 0.012%  |
| 62 | 7.817 | 2088 | 2092 | 2095 | rBV2 | 615    | 459    | 0.11%   | 0.014%  |
| 63 | 7.862 | 2103 | 2106 | 2109 | rBV3 | 409    | 267    | 0.07%   | 0.008%  |
| 64 | 7.894 | 2114 | 2116 | 2120 | rVB  | 379    | 269    | 0.07%   | 0.008%  |
| 65 | 7.981 | 2137 | 2143 | 2152 | rVB3 | 1411   | 2173   | 0.54%   | 0.068%  |
| 66 | 8.019 | 2152 | 2155 | 2161 | rBV2 | 446    | 453    | 0.11%   | 0.014%  |
| 67 | 8.132 | 2181 | 2190 | 2204 | rBV  | 28588  | 51234  | 12.75%  | 1.604%  |
| 68 | 8.894 | 2415 | 2427 | 2446 | rBV  | 217683 | 373947 | 93.05%  | 11.708% |
| 69 | 9.058 | 2475 | 2478 | 2482 | rVB  | 532    | 341    | 0.08%   | 0.011%  |
| 70 | 9.222 | 2525 | 2529 | 2535 | rBV2 | 358    | 434    | 0.11%   | 0.014%  |
| 71 | 9.556 | 2630 | 2633 | 2637 | rBV  | 345    | 314    | 0.08%   | 0.010%  |

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 Stop Thrs : 0

Filtering: 5  
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 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\SOM2VLM031319S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 9.810  | 2708 | 2712 | 2716 | rBV  | 615    | 564    | 0.14%  | 0.018%  |
| 73  | 10.003 | 2768 | 2772 | 2775 | rBV  | 280    | 275    | 0.07%  | 0.009%  |
| 74  | 10.219 | 2835 | 2839 | 2841 | rBV2 | 402    | 301    | 0.07%  | 0.009%  |
| 75  | 10.260 | 2841 | 2852 | 2868 | rVV  | 83865  | 133581 | 33.24% | 4.182%  |
| 76  | 10.389 | 2888 | 2892 | 2895 | rVB2 | 361    | 278    | 0.07%  | 0.009%  |
| 77  | 10.424 | 2895 | 2903 | 2910 | rBV5 | 2234   | 3340   | 0.83%  | 0.105%  |
| 78  | 10.624 | 2961 | 2965 | 2968 | rBV2 | 410    | 334    | 0.08%  | 0.010%  |
| 79  | 10.714 | 2991 | 2993 | 2997 | rVB2 | 492    | 334    | 0.08%  | 0.010%  |
| 80  | 10.977 | 3072 | 3075 | 3080 | rVB2 | 422    | 324    | 0.08%  | 0.010%  |
| 81  | 11.231 | 3149 | 3154 | 3157 | rBV4 | 1402   | 1299   | 0.32%  | 0.041%  |
| 82  | 11.296 | 3163 | 3174 | 3192 | rBV  | 185202 | 323689 | 80.55% | 10.134% |
| 83  | 11.389 | 3201 | 3203 | 3206 | rBV2 | 486    | 391    | 0.10%  | 0.012%  |
| 84  | 11.447 | 3216 | 3221 | 3223 | rBV  | 374    | 365    | 0.09%  | 0.011%  |
| 85  | 11.505 | 3236 | 3239 | 3243 | rVB  | 523    | 328    | 0.08%  | 0.010%  |
| 86  | 11.543 | 3247 | 3251 | 3255 | rVB  | 484    | 402    | 0.10%  | 0.013%  |
| 87  | 11.572 | 3255 | 3260 | 3262 | rBV  | 446    | 473    | 0.12%  | 0.015%  |
| 88  | 11.675 | 3280 | 3292 | 3310 | rVV  | 169932 | 281972 | 70.17% | 8.828%  |
| 89  | 11.743 | 3310 | 3313 | 3316 | rVB2 | 591    | 379    | 0.09%  | 0.012%  |
| 90  | 11.958 | 3376 | 3380 | 3385 | rBV2 | 390    | 428    | 0.11%  | 0.013%  |
| 91  | 13.694 | 3917 | 3920 | 3925 | rBV2 | 413    | 425    | 0.11%  | 0.013%  |
| 92  | 14.296 | 4103 | 4107 | 4108 | rBV2 | 393    | 269    | 0.07%  | 0.008%  |
| 93  | 14.556 | 4185 | 4188 | 4191 | rBV2 | 619    | 420    | 0.10%  | 0.013%  |
| 94  | 15.415 | 4451 | 4455 | 4459 | rBV3 | 660    | 703    | 0.17%  | 0.022%  |
| 95  | 15.771 | 4564 | 4566 | 4569 | rBV2 | 505    | 277    | 0.07%  | 0.009%  |
| 96  | 15.971 | 4625 | 4628 | 4634 | rVB  | 1019   | 751    | 0.19%  | 0.024%  |
| 97  | 16.202 | 4697 | 4700 | 4702 | rBV2 | 718    | 547    | 0.14%  | 0.017%  |
| 98  | 16.341 | 4740 | 4743 | 4745 | rBV3 | 884    | 589    | 0.15%  | 0.018%  |
| 99  | 16.707 | 4855 | 4857 | 4858 | rBV  | 690    | 372    | 0.09%  | 0.012%  |
| 100 | 16.749 | 4867 | 4870 | 4873 | rBV4 | 821    | 649    | 0.16%  | 0.020%  |

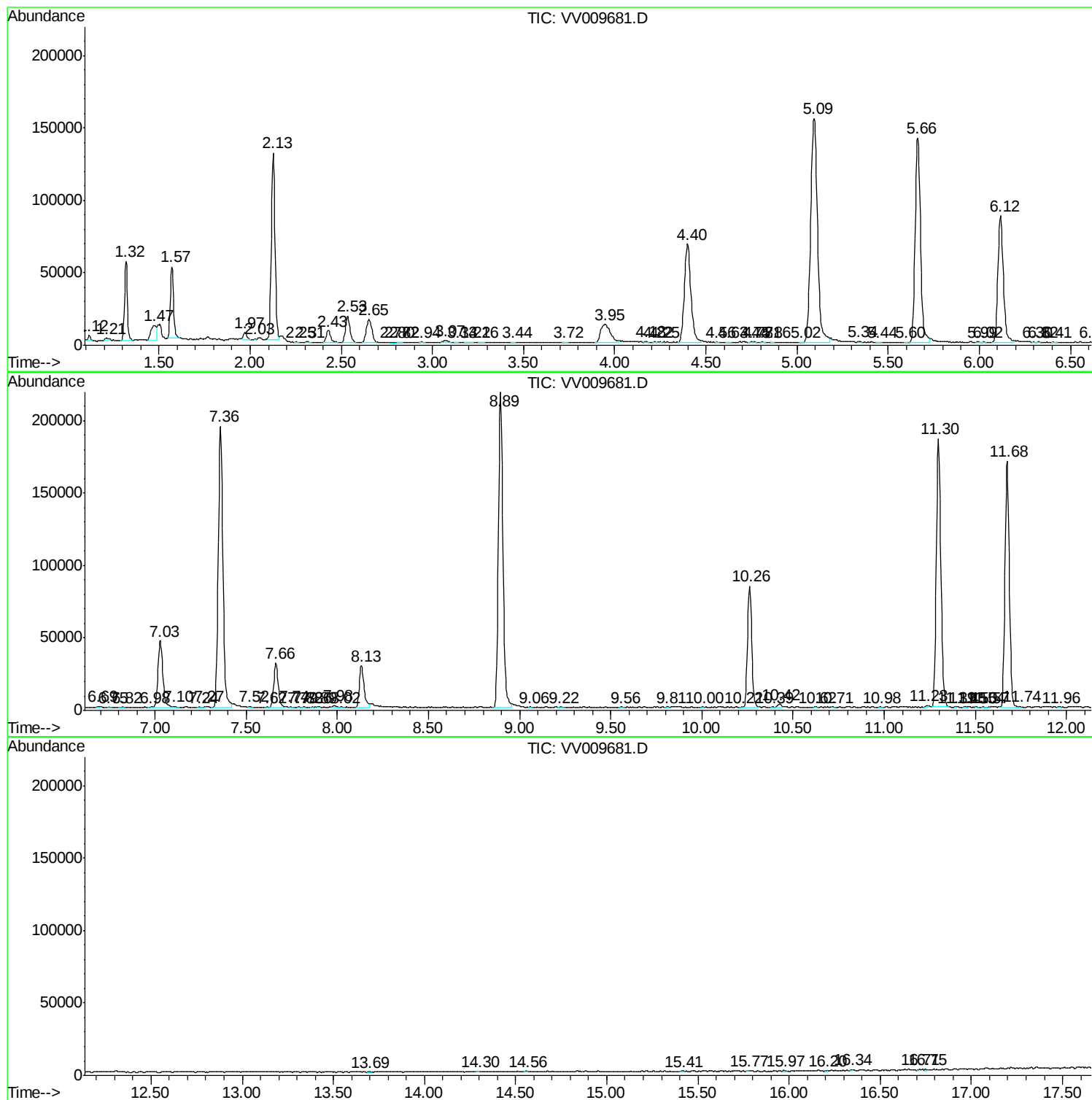
Sum of corrected areas: 3194035

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV031519\  
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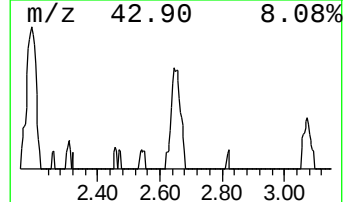
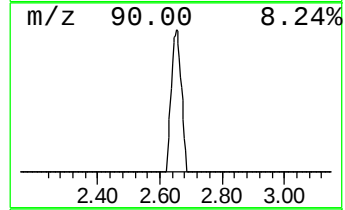
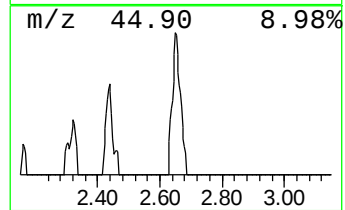
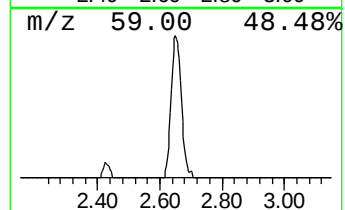
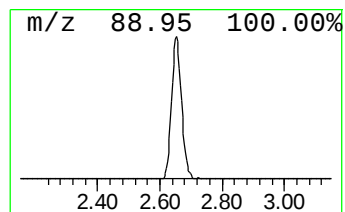
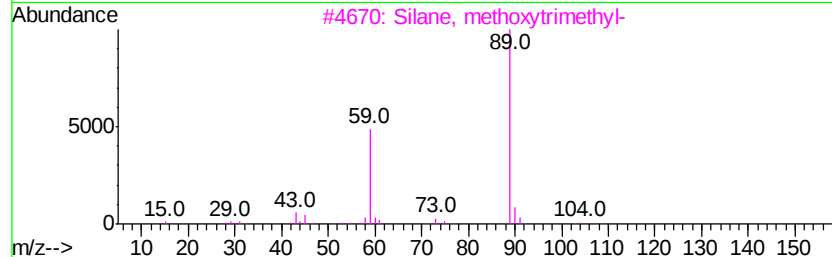
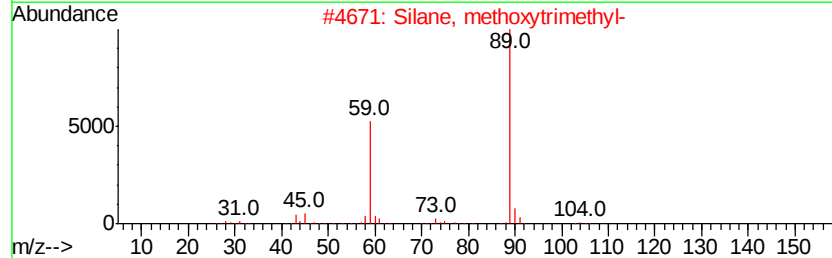
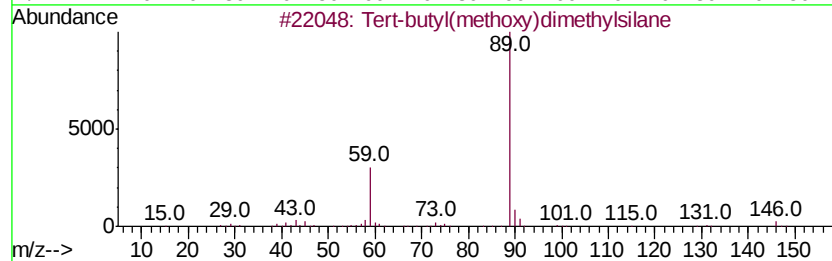
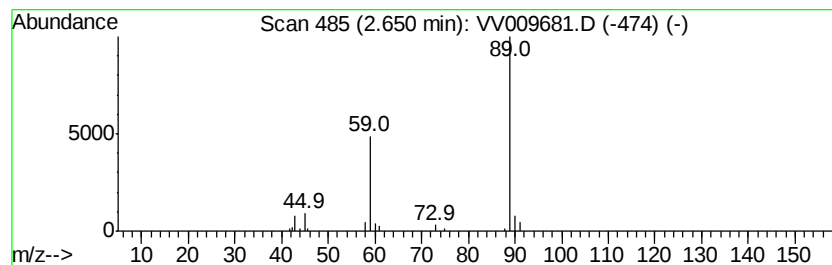
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Tert-butyl(methoxy)dimethyl... Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.65 | 2.82 ug/L | 32760 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Tert-butyl(methoxy)dimethylsilane  | 146 | C7H18OSi | 1000364-10-7 | 83   |
| 2    |    | Silane, methoxytrimethyl-          | 104 | C4H12OSi | 001825-61-2  | 83   |
| 3    |    | Silane, methoxytrimethyl-          | 104 | C4H12OSi | 001825-61-2  | 83   |
| 4    |    | Silane, (2-methoxyethyl)trimethyl- | 132 | C6H16OSi | 018173-63-2  | 74   |
| 5    |    | Methanethioamide, N,N-dimethyl-    | 89  | C3H7NS   | 000758-16-7  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Tert-butyl(methox... | 2.65 | 2.8     | ug/L  | 32760    | 1                     | 5.66 | 289959 | 25.0 |