

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009459.D  
 Acq On : 26 Mar 2019 11:45  
 Operator : SY/VA  
 Sample : K2065-18  
 Misc : 6.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5L7

## 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\_W\METHOD\SOM2WLM031419S.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.361    | 69         | 75       | 82        | rBV   | 58429       | 122938     | 9.22%        | 1.207%     |
| 2      | 4.013    | 337        | 346      | 360       | rBV   | 108608      | 355859     | 26.68%       | 3.493%     |
| 3      | 4.202    | 375        | 377      | 381       | rVB   | 2816        | 3640       | 0.27%        | 0.036%     |
| 4      | 4.245    | 381        | 384      | 386       | rBV   | 1784        | 2304       | 0.17%        | 0.023%     |
| 5      | 4.269    | 386        | 388      | 389       | rBV   | 2879        | 2491       | 0.19%        | 0.024%     |
| 6      | 4.318    | 392        | 396      | 397       | rBV   | 983         | 1059       | 0.08%        | 0.010%     |
| 7      | 4.379    | 401        | 406      | 408       | rBV2  | 5183        | 9334       | 0.70%        | 0.092%     |
| 8      | 4.483    | 422        | 423      | 424       | rVB   | 2007        | 734        | 0.06%        | 0.007%     |
| 9      | 4.519    | 427        | 429      | 432       | rBV   | 1198        | 1397       | 0.10%        | 0.014%     |
| 10     | 4.586    | 437        | 440      | 441       | rBV   | 1813        | 1814       | 0.14%        | 0.018%     |
| 11     | 4.702    | 457        | 459      | 460       | rBV   | 1506        | 1012       | 0.08%        | 0.010%     |
| 12     | 4.769    | 469        | 470      | 471       | rBV   | 1413        | 597        | 0.04%        | 0.006%     |
| 13     | 4.787    | 471        | 473      | 474       | rBV   | 1206        | 778        | 0.06%        | 0.008%     |
| 14     | 4.842    | 480        | 482      | 483       | rBV   | 1432        | 836        | 0.06%        | 0.008%     |
| 15     | 4.909    | 483        | 493      | 504       | rBV4  | 20239       | 79115      | 5.93%        | 0.776%     |
| 16     | 5.251    | 548        | 549      | 550       | rBV   | 1652        | 833        | 0.06%        | 0.008%     |
| 17     | 5.269    | 550        | 552      | 553       | rVV   | 1154        | 733        | 0.05%        | 0.007%     |
| 18     | 5.287    | 553        | 555      | 556       | rVV2  | 1023        | 721        | 0.05%        | 0.007%     |
| 19     | 5.391    | 570        | 572      | 575       | rVB   | 1468        | 1025       | 0.08%        | 0.010%     |
| 20     | 5.415    | 575        | 576      | 580       | rVB   | 1454        | 1459       | 0.11%        | 0.014%     |
| 21     | 5.489    | 586        | 588      | 589       | rBV   | 1984        | 1888       | 0.14%        | 0.019%     |
| 22     | 5.562    | 598        | 600      | 601       | rBV   | 1667        | 795        | 0.06%        | 0.008%     |
| 23     | 5.611    | 606        | 608      | 609       | rBV   | 1009        | 820        | 0.06%        | 0.008%     |
| 24     | 5.745    | 628        | 630      | 631       | rBV   | 1235        | 911        | 0.07%        | 0.009%     |
| 25     | 5.757    | 631        | 632      | 635       | rBV2  | 2458        | 2069       | 0.16%        | 0.020%     |
| 26     | 5.854    | 646        | 648      | 650       | rVB   | 1863        | 1801       | 0.14%        | 0.018%     |
| 27     | 5.879    | 650        | 652      | 653       | rBV   | 1696        | 1101       | 0.08%        | 0.011%     |
| 28     | 5.928    | 653        | 660      | 661       | rBV5  | 9352        | 18152      | 1.36%        | 0.178%     |
| 29     | 6.043    | 677        | 679      | 681       | rBV   | 1754        | 1598       | 0.12%        | 0.016%     |
| 30     | 6.080    | 683        | 685      | 687       | rBV   | 1411        | 977        | 0.07%        | 0.010%     |
| 31     | 6.171    | 697        | 700      | 703       | rVV   | 1280        | 1550       | 0.12%        | 0.015%     |
| 32     | 6.196    | 703        | 704      | 706       | rBV   | 1755        | 1410       | 0.11%        | 0.014%     |
| 33     | 6.312    | 721        | 723      | 724       | rBV   | 1534        | 1133       | 0.08%        | 0.011%     |
| 34     | 6.446    | 744        | 745      | 747       | rBV2  | 1321        | 1164       | 0.09%        | 0.011%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 6.525  | 756  | 758  | 759  | rVB  | 1505   | 755     | 0.06%  | 0.007%  |
| 36 | 6.543  | 759  | 761  | 762  | rBV2 | 1307   | 910     | 0.07%  | 0.009%  |
| 37 | 6.592  | 767  | 769  | 771  | rVV  | 1483   | 1197    | 0.09%  | 0.012%  |
| 38 | 6.610  | 771  | 772  | 774  | rVB  | 2011   | 1268    | 0.10%  | 0.012%  |
| 39 | 6.690  | 783  | 785  | 786  | rVB  | 1795   | 849     | 0.06%  | 0.008%  |
| 40 | 6.732  | 790  | 792  | 793  | rBV  | 2247   | 1227    | 0.09%  | 0.012%  |
| 41 | 6.751  | 793  | 795  | 798  | rBV  | 1077   | 973     | 0.07%  | 0.010%  |
| 42 | 6.885  | 815  | 817  | 819  | rVB  | 1308   | 1346    | 0.10%  | 0.013%  |
| 43 | 6.903  | 819  | 820  | 821  | rBV  | 1836   | 954     | 0.07%  | 0.009%  |
| 44 | 6.964  | 827  | 830  | 833  | rBV  | 3770   | 5220    | 0.39%  | 0.051%  |
| 45 | 6.994  | 833  | 835  | 836  | rVB  | 2399   | 1166    | 0.09%  | 0.011%  |
| 46 | 7.013  | 836  | 838  | 839  | rBV  | 1463   | 1501    | 0.11%  | 0.015%  |
| 47 | 7.074  | 841  | 848  | 860  | rVV  | 49332  | 139071  | 10.43% | 1.365%  |
| 48 | 7.220  | 871  | 872  | 874  | rBV  | 1681   | 952     | 0.07%  | 0.009%  |
| 49 | 7.263  | 878  | 879  | 882  | rBV  | 2123   | 1975    | 0.15%  | 0.019%  |
| 50 | 7.488  | 914  | 916  | 917  | rBV  | 1629   | 742     | 0.06%  | 0.007%  |
| 51 | 7.543  | 923  | 925  | 927  | rVB2 | 2334   | 1510    | 0.11%  | 0.015%  |
| 52 | 7.641  | 932  | 941  | 954  | rVB  | 221792 | 545870  | 40.93% | 5.357%  |
| 53 | 7.787  | 963  | 965  | 966  | rBV  | 1813   | 1279    | 0.10%  | 0.013%  |
| 54 | 7.952  | 991  | 992  | 994  | rBV  | 2418   | 1719    | 0.13%  | 0.017%  |
| 55 | 7.970  | 994  | 995  | 996  | rVV  | 2513   | 1079    | 0.08%  | 0.011%  |
| 56 | 7.994  | 996  | 999  | 1002 | rVB  | 2308   | 1864    | 0.14%  | 0.018%  |
| 57 | 8.025  | 1002 | 1004 | 1005 | rBV2 | 1070   | 833     | 0.06%  | 0.008%  |
| 58 | 8.080  | 1011 | 1013 | 1015 | rBV  | 2183   | 2039    | 0.15%  | 0.020%  |
| 59 | 8.128  | 1019 | 1021 | 1025 | rBV  | 2183   | 2635    | 0.20%  | 0.026%  |
| 60 | 8.275  | 1035 | 1045 | 1058 | rBV2 | 369783 | 1164209 | 87.29% | 11.426% |
| 61 | 8.519  | 1083 | 1085 | 1086 | rVB  | 1518   | 771     | 0.06%  | 0.008%  |
| 62 | 8.537  | 1086 | 1088 | 1092 | rBV  | 2666   | 2693    | 0.20%  | 0.026%  |
| 63 | 8.842  | 1129 | 1138 | 1153 | rBV  | 551514 | 1079982 | 80.98% | 10.600% |
| 64 | 9.165  | 1189 | 1191 | 1192 | rVB  | 2064   | 972     | 0.07%  | 0.010%  |
| 65 | 9.274  | 1197 | 1209 | 1221 | rBV  | 290674 | 589254  | 44.18% | 5.783%  |
| 66 | 9.518  | 1248 | 1249 | 1250 | rBV  | 1616   | 634     | 0.05%  | 0.006%  |
| 67 | 9.951  | 1319 | 1320 | 1321 | rBV  | 2571   | 1280    | 0.10%  | 0.013%  |
| 68 | 10.037 | 1326 | 1334 | 1344 | rVV  | 146040 | 279880  | 20.98% | 2.747%  |
| 69 | 10.323 | 1374 | 1381 | 1389 | rBV  | 494130 | 871845  | 65.37% | 8.557%  |
| 70 | 10.573 | 1417 | 1422 | 1432 | rVB  | 100392 | 181355  | 13.60% | 1.780%  |
| 71 | 10.762 | 1450 | 1453 | 1456 | rBV3 | 3173   | 5005    | 0.38%  | 0.049%  |

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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |         |         |
|-----|--------|------|------|------|------|--------|---------|---------|---------|
| 72  | 10.927 | 1474 | 1480 | 1490 | rBV  | 195174 | 328557  | 24.63%  | 3.225%  |
| 73  | 11.463 | 1566 | 1568 | 1571 | rBV  | 1686   | 1743    | 0.13%   | 0.017%  |
| 74  | 11.494 | 1571 | 1573 | 1574 | rVB  | 2733   | 1602    | 0.12%   | 0.016%  |
| 75  | 11.634 | 1589 | 1596 | 1603 | rBV  | 777768 | 1333718 | 100.00% | 13.090% |
| 76  | 11.993 | 1653 | 1655 | 1658 | rBV3 | 2357   | 3038    | 0.23%   | 0.030%  |
| 77  | 12.158 | 1678 | 1682 | 1685 | rBV4 | 1958   | 2835    | 0.21%   | 0.028%  |
| 78  | 12.274 | 1698 | 1701 | 1702 | rVB  | 2589   | 2775    | 0.21%   | 0.027%  |
| 79  | 12.457 | 1729 | 1731 | 1734 | rVB  | 2434   | 1373    | 0.10%   | 0.013%  |
| 80  | 12.554 | 1745 | 1747 | 1748 | rBV  | 2516   | 1928    | 0.14%   | 0.019%  |
| 81  | 12.603 | 1748 | 1755 | 1762 | rVB4 | 35404  | 85766   | 6.43%   | 0.842%  |
| 82  | 12.695 | 1762 | 1770 | 1776 | rBV  | 267922 | 458474  | 34.38%  | 4.500%  |
| 83  | 12.762 | 1777 | 1781 | 1790 | rVB4 | 14897  | 38951   | 2.92%   | 0.382%  |
| 84  | 12.841 | 1793 | 1794 | 1797 | rBV  | 2564   | 2403    | 0.18%   | 0.024%  |
| 85  | 12.871 | 1797 | 1799 | 1802 | rVB2 | 2859   | 1834    | 0.14%   | 0.018%  |
| 86  | 12.896 | 1802 | 1803 | 1804 | rBV  | 2073   | 982     | 0.07%   | 0.010%  |
| 87  | 12.969 | 1807 | 1815 | 1819 | rBV6 | 11378  | 28282   | 2.12%   | 0.278%  |
| 88  | 13.079 | 1832 | 1833 | 1834 | rBV  | 2809   | 1928    | 0.14%   | 0.019%  |
| 89  | 13.195 | 1849 | 1852 | 1857 | rVB2 | 36135  | 51374   | 3.85%   | 0.504%  |
| 90  | 13.304 | 1866 | 1870 | 1875 | rVB2 | 12993  | 18531   | 1.39%   | 0.182%  |
| 91  | 13.414 | 1879 | 1888 | 1893 | rBV2 | 32310  | 66005   | 4.95%   | 0.648%  |
| 92  | 13.560 | 1906 | 1912 | 1917 | rBV  | 831889 | 1285125 | 96.36%  | 12.613% |
| 93  | 13.768 | 1943 | 1946 | 1953 | rVB6 | 13464  | 22392   | 1.68%   | 0.220%  |
| 94  | 13.853 | 1954 | 1960 | 1967 | rBV  | 513658 | 861958  | 64.63%  | 8.460%  |
| 95  | 14.079 | 1992 | 1997 | 2003 | rBV  | 18079  | 28799   | 2.16%   | 0.283%  |
| 96  | 14.328 | 2035 | 2038 | 2046 | rBV6 | 6741   | 13765   | 1.03%   | 0.135%  |
| 97  | 14.499 | 2064 | 2066 | 2067 | rBV  | 2911   | 1914    | 0.14%   | 0.019%  |
| 98  | 14.591 | 2079 | 2081 | 2083 | rBV2 | 2779   | 2775    | 0.21%   | 0.027%  |
| 99  | 14.682 | 2094 | 2096 | 2097 | rBV  | 3041   | 1591    | 0.12%   | 0.016%  |
| 100 | 14.731 | 2100 | 2104 | 2109 | rVB3 | 11534  | 17687   | 1.33%   | 0.174%  |

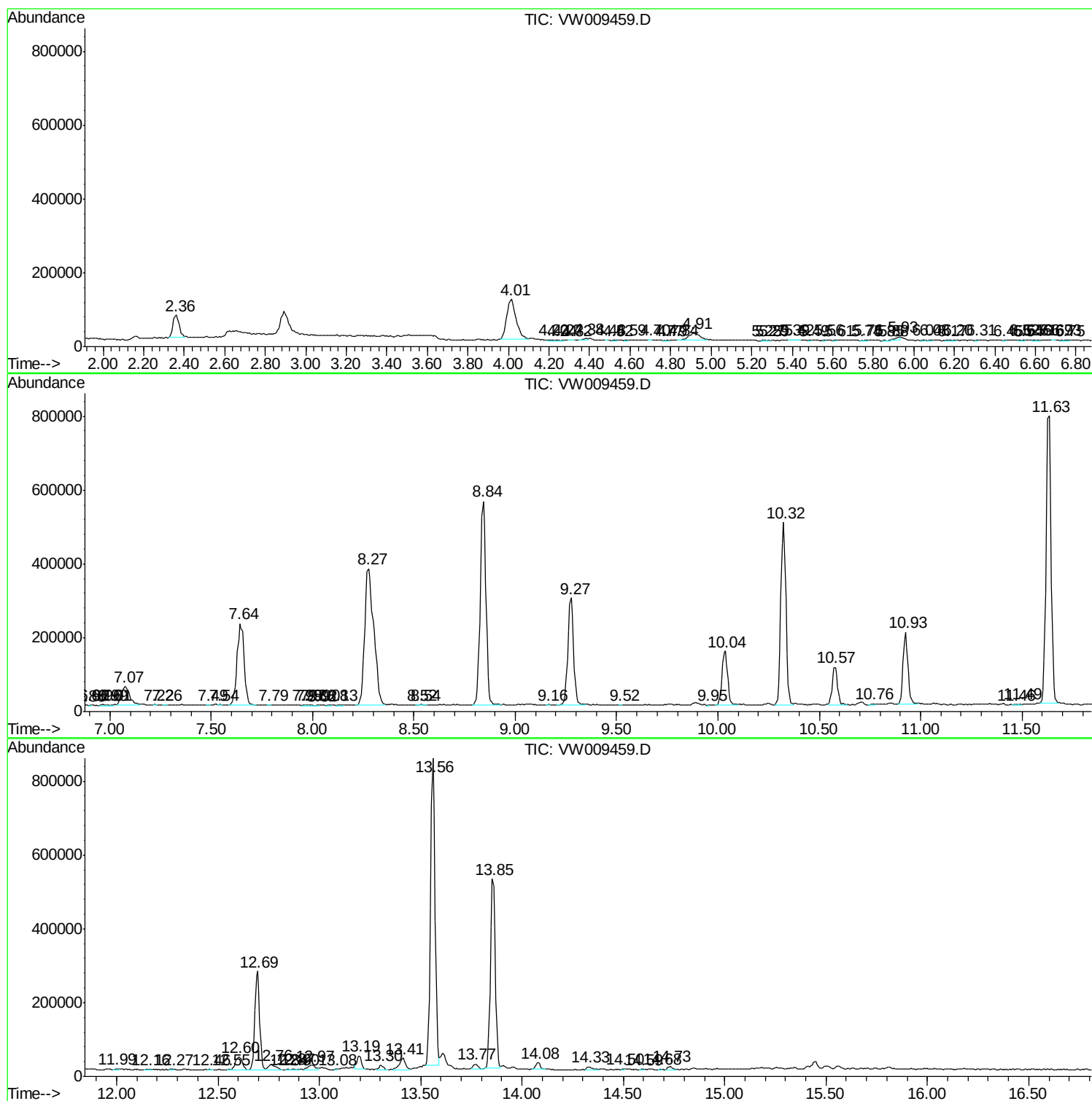
Sum of corrected areas: 10188967

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
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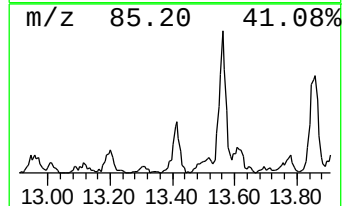
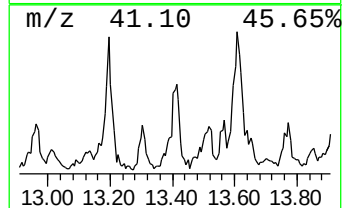
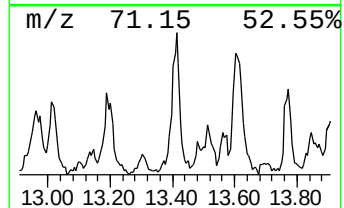
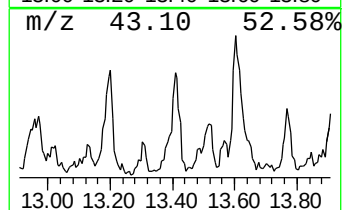
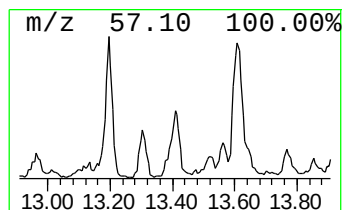
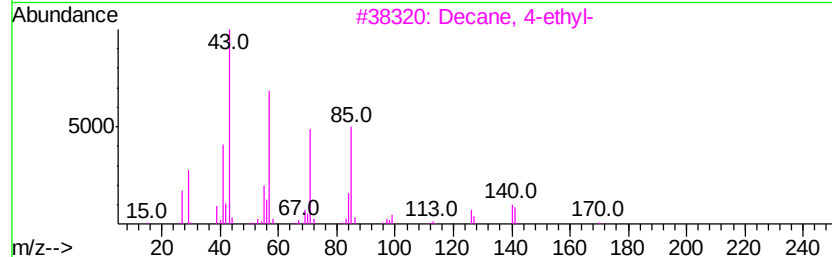
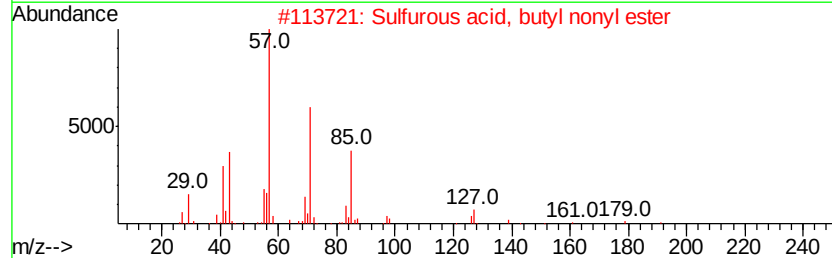
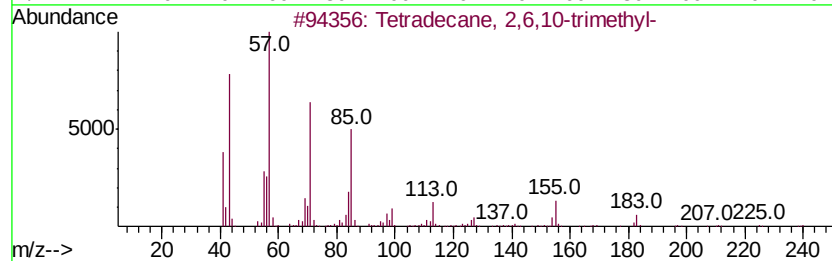
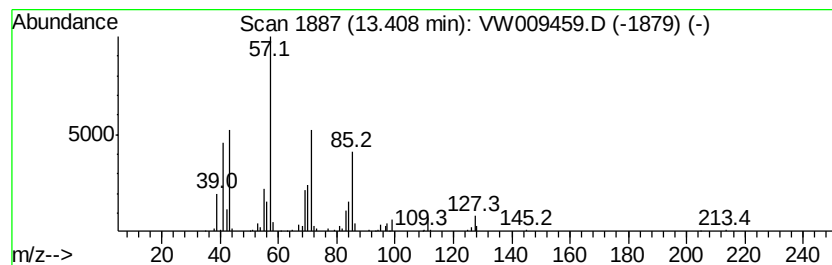
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.41 | 1.28 ug/L | 66005 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tetradecane, 2,6,10-trimethyl-    | 240 | C17H36    | 014905-56-7  | 59   |
| 2    |    | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 59   |
| 3    |    | Decane, 4-ethyl-                  | 170 | C12H26    | 001636-44-8  | 53   |
| 4    |    | Undecane, 2,7-dimethyl-           | 184 | C13H28    | 017301-24-5  | 53   |
| 5    |    | 3-Ethyl-3-methylheptane           | 142 | C10H22    | 017302-01-1  | 53   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 13.41 | 1.3     | ug/L  | 66005    | 3                     | 13.56 | 1285130 | 25.0 |