

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009489.D  
 Acq On : 27 Mar 2019 03:16  
 Operator : SY/VA  
 Sample : K2065-16  
 Misc : 5.56G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5P8

## 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      | 2.154    | 35         | 41       | 42        | rBV2  | 5504        | 9190       | 0.87%        | 0.112%     |
| 2      | 2.282    | 60         | 62       | 65        | rBV3  | 2910        | 3647       | 0.34%        | 0.044%     |
| 3      | 2.361    | 68         | 75       | 82        | rVV   | 46334       | 103643     | 9.79%        | 1.264%     |
| 4      | 2.629    | 113        | 119      | 121       | rBV2  | 12894       | 25551      | 2.41%        | 0.312%     |
| 5      | 2.892    | 157        | 162      | 173       | rVB   | 47041       | 122861     | 11.61%       | 1.499%     |
| 6      | 3.739    | 298        | 301      | 302       | rBV3  | 1628        | 1836       | 0.17%        | 0.022%     |
| 7      | 4.013    | 334        | 346      | 358       | rBV2  | 86258       | 304163     | 28.73%       | 3.710%     |
| 8      | 4.208    | 376        | 378      | 384       | rVB2  | 1969        | 3870       | 0.37%        | 0.047%     |
| 9      | 4.269    | 384        | 388      | 391       | rBV3  | 1848        | 3421       | 0.32%        | 0.042%     |
| 10     | 4.641    | 448        | 449      | 452       | rVB   | 2508        | 1877       | 0.18%        | 0.023%     |
| 11     | 4.678    | 452        | 455      | 458       | rBV2  | 1634        | 2552       | 0.24%        | 0.031%     |
| 12     | 4.781    | 470        | 472      | 473       | rVB   | 2818        | 1845       | 0.17%        | 0.023%     |
| 13     | 4.812    | 473        | 477      | 479       | rBV   | 2703        | 3265       | 0.31%        | 0.040%     |
| 14     | 4.910    | 483        | 493      | 502       | rBV4  | 18541       | 71460      | 6.75%        | 0.872%     |
| 15     | 5.050    | 513        | 516      | 518       | rVB   | 1924        | 2054       | 0.19%        | 0.025%     |
| 16     | 5.074    | 518        | 520      | 524       | rVB   | 2150        | 2391       | 0.23%        | 0.029%     |
| 17     | 5.263    | 548        | 551      | 554       | rBV   | 1833        | 2273       | 0.21%        | 0.028%     |
| 18     | 5.617    | 605        | 609      | 610       | rBV   | 2915        | 2656       | 0.25%        | 0.032%     |
| 19     | 5.653    | 613        | 615      | 617       | rBV   | 2113        | 2487       | 0.23%        | 0.030%     |
| 20     | 5.818    | 640        | 642      | 644       | rBV   | 3067        | 2418       | 0.23%        | 0.029%     |
| 21     | 5.928    | 650        | 660      | 668       | rBV6  | 6755        | 21952      | 2.07%        | 0.268%     |
| 22     | 6.074    | 682        | 684      | 686       | rVB   | 3189        | 2557       | 0.24%        | 0.031%     |
| 23     | 6.281    | 715        | 718      | 722       | rVV   | 1528        | 2262       | 0.21%        | 0.028%     |
| 24     | 6.428    | 741        | 742      | 746       | rVB   | 1678        | 1934       | 0.18%        | 0.024%     |
| 25     | 6.525    | 755        | 758      | 760       | rBV2  | 1339        | 2145       | 0.20%        | 0.026%     |
| 26     | 6.568    | 764        | 765      | 769       | rBV2  | 2378        | 2160       | 0.20%        | 0.026%     |
| 27     | 6.604    | 769        | 771      | 775       | rVB   | 1777        | 2295       | 0.22%        | 0.028%     |
| 28     | 6.818    | 803        | 806      | 809       | rBV2  | 1363        | 1920       | 0.18%        | 0.023%     |
| 29     | 7.074    | 839        | 848      | 857       | rBV2  | 37426       | 109270     | 10.32%       | 1.333%     |
| 30     | 7.641    | 933        | 941      | 954       | rVB   | 217749      | 520161     | 49.14%       | 6.345%     |
| 31     | 7.775    | 958        | 963      | 965       | rBV3  | 1198        | 1822       | 0.17%        | 0.022%     |
| 32     | 8.031    | 1004       | 1005     | 1009      | rBV   | 2135        | 2687       | 0.25%        | 0.033%     |
| 33     | 8.074    | 1009       | 1012     | 1015      | rBV   | 1487        | 2062       | 0.19%        | 0.025%     |
| 34     | 8.165    | 1023       | 1027     | 1030      | rVB   | 2060        | 2833       | 0.27%        | 0.035%     |

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 Peak separation: 5

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

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 8.275  | 1034 | 1045 | 1061 | rBV2 | 328915 | 1058568 | 100.00% | 12.913% |
| 36 | 8.488  | 1078 | 1080 | 1083 | rVB  | 2050   | 1922    | 0.18%   | 0.023%  |
| 37 | 8.653  | 1105 | 1107 | 1109 | rVB  | 2095   | 1858    | 0.18%   | 0.023%  |
| 38 | 8.677  | 1109 | 1111 | 1113 | rBV3 | 2526   | 2983    | 0.28%   | 0.036%  |
| 39 | 8.702  | 1113 | 1115 | 1118 | rVB4 | 2246   | 2275    | 0.21%   | 0.028%  |
| 40 | 8.744  | 1118 | 1122 | 1123 | rBV  | 1619   | 1792    | 0.17%   | 0.022%  |
| 41 | 8.842  | 1129 | 1138 | 1147 | rBV  | 388912 | 766998  | 72.46%  | 9.356%  |
| 42 | 8.927  | 1151 | 1152 | 1156 | rBV  | 1809   | 1967    | 0.19%   | 0.024%  |
| 43 | 9.073  | 1173 | 1176 | 1181 | rVV6 | 3070   | 6003    | 0.57%   | 0.073%  |
| 44 | 9.275  | 1200 | 1209 | 1218 | rBV  | 263120 | 548498  | 51.82%  | 6.691%  |
| 45 | 9.427  | 1233 | 1234 | 1237 | rVB2 | 2588   | 2502    | 0.24%   | 0.031%  |
| 46 | 9.470  | 1237 | 1241 | 1242 | rBV  | 2307   | 2350    | 0.22%   | 0.029%  |
| 47 | 9.488  | 1242 | 1244 | 1246 | rVV  | 2277   | 2092    | 0.20%   | 0.026%  |
| 48 | 9.646  | 1266 | 1270 | 1271 | rBV  | 2061   | 2463    | 0.23%   | 0.030%  |
| 49 | 9.671  | 1271 | 1274 | 1275 | rVB  | 2128   | 1978    | 0.19%   | 0.024%  |
| 50 | 9.756  | 1285 | 1288 | 1289 | rBV3 | 2054   | 2755    | 0.26%   | 0.034%  |
| 51 | 9.835  | 1299 | 1301 | 1304 | rVB  | 2136   | 2486    | 0.23%   | 0.030%  |
| 52 | 9.890  | 1304 | 1310 | 1314 | rVV4 | 6303   | 13164   | 1.24%   | 0.161%  |
| 53 | 10.031 | 1326 | 1333 | 1344 | rBV  | 127690 | 236990  | 22.39%  | 2.891%  |
| 54 | 10.323 | 1373 | 1381 | 1388 | rBV  | 418682 | 741300  | 70.03%  | 9.043%  |
| 55 | 10.573 | 1416 | 1422 | 1432 | rBV2 | 83372  | 151813  | 14.34%  | 1.852%  |
| 56 | 10.701 | 1440 | 1443 | 1450 | rBV3 | 3969   | 6996    | 0.66%   | 0.085%  |
| 57 | 10.774 | 1454 | 1455 | 1456 | rBV  | 2750   | 1962    | 0.19%   | 0.024%  |
| 58 | 10.799 | 1457 | 1459 | 1461 | rBV2 | 2565   | 2930    | 0.28%   | 0.036%  |
| 59 | 10.927 | 1473 | 1480 | 1493 | rVV  | 143947 | 265953  | 25.12%  | 3.244%  |
| 60 | 11.018 | 1493 | 1495 | 1496 | rVB2 | 2844   | 1806    | 0.17%   | 0.022%  |
| 61 | 11.335 | 1545 | 1547 | 1549 | rVB2 | 3501   | 2861    | 0.27%   | 0.035%  |
| 62 | 11.518 | 1574 | 1577 | 1579 | rBV2 | 3558   | 4995    | 0.47%   | 0.061%  |
| 63 | 11.628 | 1588 | 1595 | 1606 | rBV  | 545302 | 936457  | 88.46%  | 11.424% |
| 64 | 11.768 | 1616 | 1618 | 1621 | rVB2 | 2423   | 1790    | 0.17%   | 0.022%  |
| 65 | 11.829 | 1626 | 1628 | 1633 | rBV3 | 2742   | 3051    | 0.29%   | 0.037%  |
| 66 | 11.933 | 1643 | 1645 | 1646 | rBV2 | 2542   | 2100    | 0.20%   | 0.026%  |
| 67 | 11.975 | 1651 | 1652 | 1656 | rVB2 | 2394   | 2385    | 0.23%   | 0.029%  |
| 68 | 12.231 | 1692 | 1694 | 1698 | rBV3 | 1694   | 1864    | 0.18%   | 0.023%  |
| 69 | 12.347 | 1711 | 1713 | 1717 | rVB2 | 2475   | 2447    | 0.23%   | 0.030%  |
| 70 | 12.390 | 1717 | 1720 | 1725 | rVB  | 1551   | 2157    | 0.20%   | 0.026%  |
| 71 | 12.603 | 1749 | 1755 | 1761 | rVB5 | 18738  | 42554   | 4.02%   | 0.519%  |

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## Integration Parameters: LSCINT.P

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 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
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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

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 12.695 | 1763 | 1770 | 1776 | rBV  | 246243 | 404421 | 38.20% | 4.933% |
| 73  | 12.762 | 1777 | 1781 | 1785 | rVV6 | 4715   | 7931   | 0.75%  | 0.097% |
| 74  | 12.878 | 1797 | 1800 | 1803 | rVB  | 2368   | 2494   | 0.24%  | 0.030% |
| 75  | 12.957 | 1807 | 1813 | 1818 | rVV6 | 7606   | 16875  | 1.59%  | 0.206% |
| 76  | 13.012 | 1821 | 1822 | 1829 | rVB3 | 3893   | 5442   | 0.51%  | 0.066% |
| 77  | 13.195 | 1846 | 1852 | 1858 | rVB3 | 21679  | 35505  | 3.35%  | 0.433% |
| 78  | 13.304 | 1866 | 1870 | 1874 | rBV2 | 6909   | 9851   | 0.93%  | 0.120% |
| 79  | 13.408 | 1877 | 1887 | 1894 | rBV3 | 16070  | 37022  | 3.50%  | 0.452% |
| 80  | 13.469 | 1894 | 1897 | 1899 | rBV2 | 3957   | 4852   | 0.46%  | 0.059% |
| 81  | 13.560 | 1905 | 1912 | 1917 | rBV  | 468797 | 730324 | 68.99% | 8.909% |
| 82  | 13.768 | 1942 | 1946 | 1951 | rVV6 | 7849   | 15145  | 1.43%  | 0.185% |
| 83  | 13.853 | 1954 | 1960 | 1967 | rVV  | 358216 | 620597 | 58.63% | 7.571% |
| 84  | 13.908 | 1967 | 1969 | 1973 | rVV3 | 5748   | 8459   | 0.80%  | 0.103% |
| 85  | 13.957 | 1975 | 1977 | 1980 | rVB3 | 3921   | 4405   | 0.42%  | 0.054% |
| 86  | 14.073 | 1992 | 1996 | 2001 | rBV2 | 10111  | 15944  | 1.51%  | 0.194% |
| 87  | 14.207 | 2013 | 2018 | 2023 | rVB5 | 2987   | 5484   | 0.52%  | 0.067% |
| 88  | 14.268 | 2023 | 2028 | 2029 | rBV3 | 2119   | 2887   | 0.27%  | 0.035% |
| 89  | 14.335 | 2034 | 2039 | 2042 | rBV6 | 6642   | 12750  | 1.20%  | 0.156% |
| 90  | 14.390 | 2046 | 2048 | 2052 | rVB5 | 6615   | 8928   | 0.84%  | 0.109% |
| 91  | 14.426 | 2052 | 2054 | 2056 | rBV  | 3487   | 3301   | 0.31%  | 0.040% |
| 92  | 14.499 | 2064 | 2066 | 2068 | rVB  | 2995   | 2108   | 0.20%  | 0.026% |
| 93  | 14.548 | 2071 | 2074 | 2076 | rBV3 | 3139   | 4787   | 0.45%  | 0.058% |
| 94  | 14.731 | 2100 | 2104 | 2110 | rVB6 | 11443  | 18626  | 1.76%  | 0.227% |
| 95  | 14.944 | 2137 | 2139 | 2141 | rVB2 | 2902   | 1785   | 0.17%  | 0.022% |
| 96  | 14.969 | 2141 | 2143 | 2145 | rBV2 | 3453   | 3348   | 0.32%  | 0.041% |
| 97  | 15.145 | 2170 | 2172 | 2173 | rBV2 | 2928   | 2191   | 0.21%  | 0.027% |
| 98  | 15.560 | 2236 | 2240 | 2249 | rBV6 | 10390  | 20389  | 1.93%  | 0.249% |
| 99  | 16.084 | 2324 | 2326 | 2329 | rBV2 | 2568   | 3500   | 0.33%  | 0.043% |
| 100 | 16.670 | 2420 | 2422 | 2427 | rVB6 | 2953   | 3604   | 0.34%  | 0.044% |

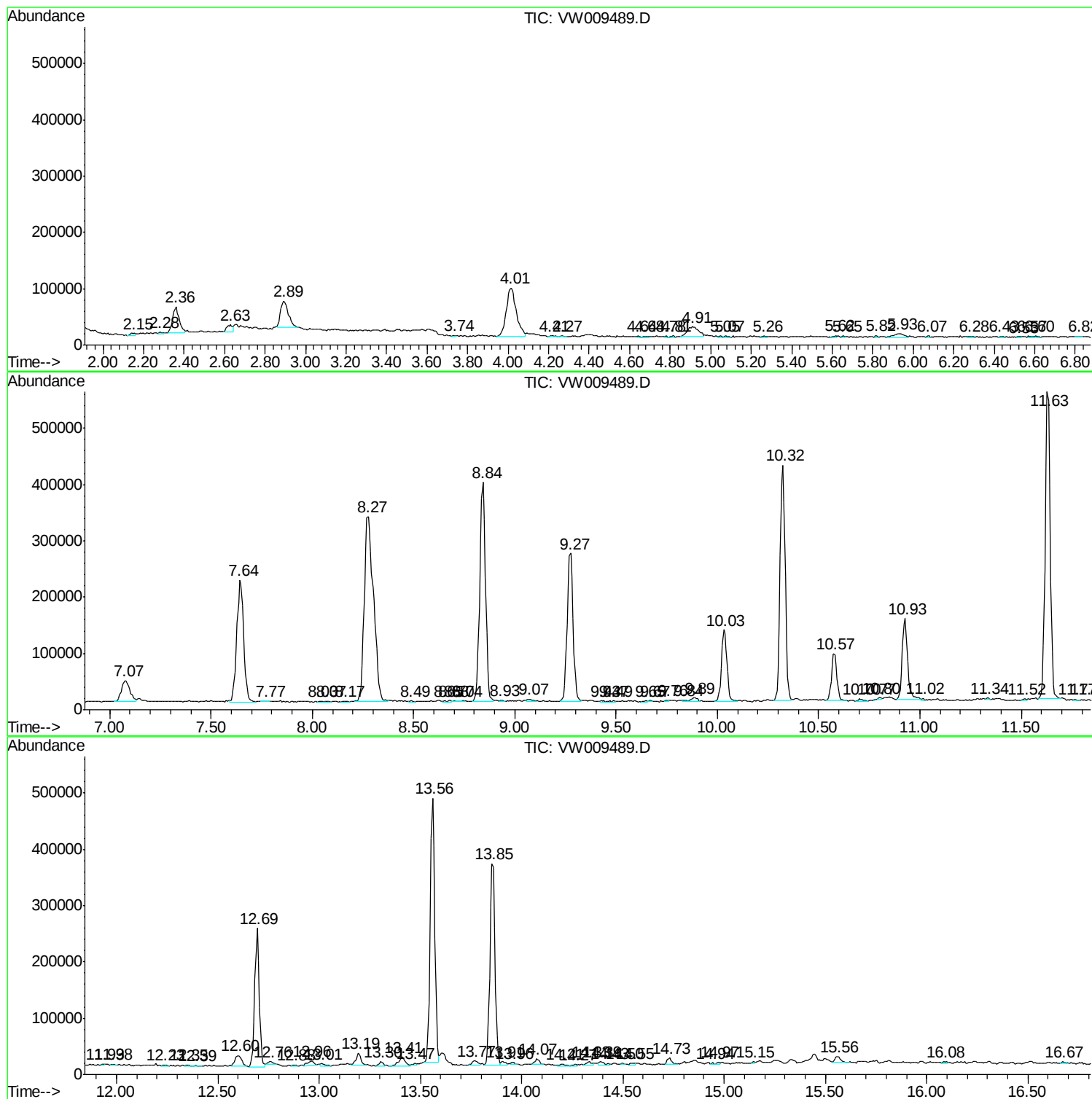
Sum of corrected areas: 8197540

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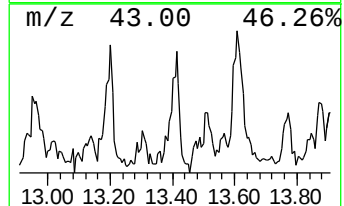
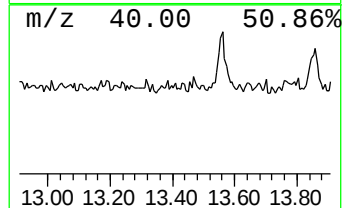
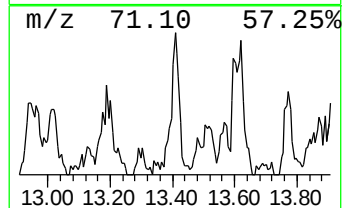
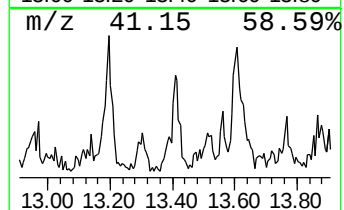
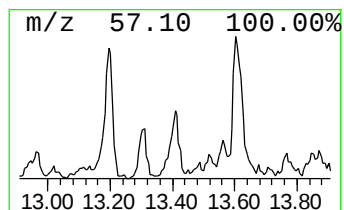
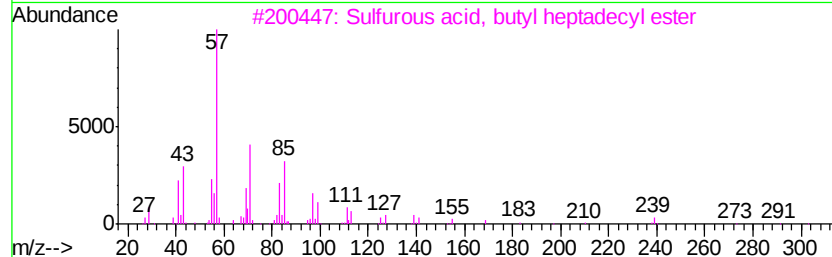
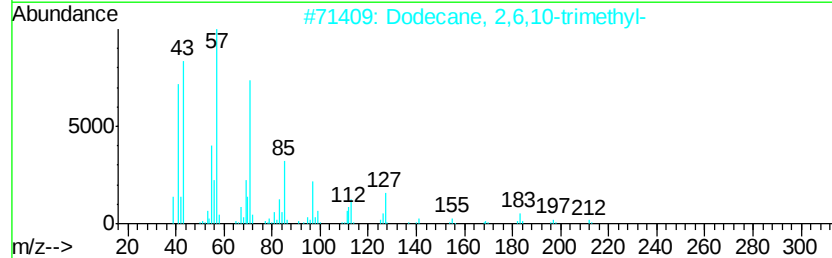
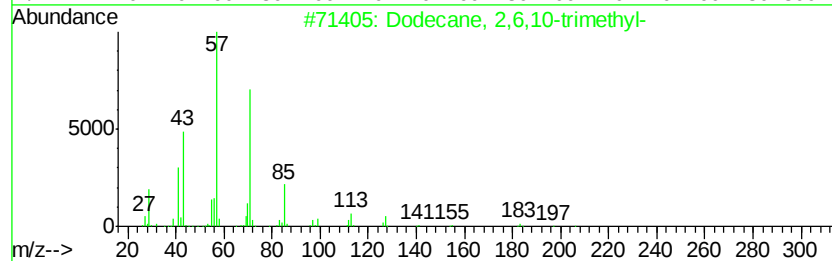
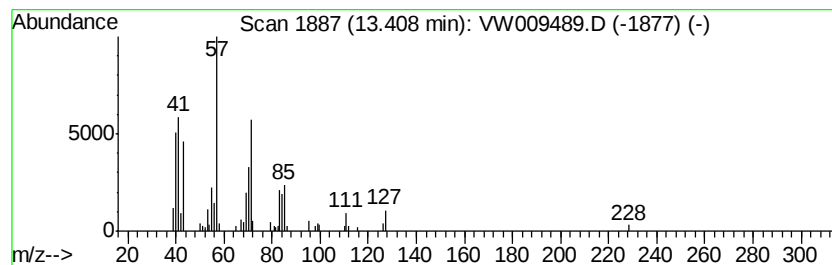
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecane, 2,6,10-trimethyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.41 | 1.27 ug/L | 37022 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 50   |
| 2    |    | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 50   |
| 3    |    | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 50   |
| 4    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44    | 018344-37-1  | 47   |
| 5    |    | Decane, 2,3,8-trimethyl-            | 184 | C13H28    | 062238-14-6  | 47   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Dodecane, 2,6,10-... | 13.41 | 1.3     | ug/L  | 37022    | 3                     | 13.56 | 730324 | 25.0 |