

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052524\  
 Data File : VV035798.D  
 Acq On : 25 May 2024 15:41  
 Operator : SY/MD  
 Sample : P2577-18  
 Misc : 5.86g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHBW4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % 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\_V\Method\SFAMVLM050624SMA.M  
 Title : VOC Analysis

Signal : TIC: VV035798.D\data.ms

| 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         | 1.272       | 66            | 72          | 90           | rVB      | 263267         | 285050        | 16.63%          | 2.317%        |
| 2         | 1.526       | 144           | 151         | 164          | rVB      | 214925         | 252443        | 14.73%          | 2.052%        |
| 3         | 2.050       | 305           | 314         | 336          | rVB      | 434161         | 636874        | 37.16%          | 5.176%        |
| 4         | 2.921       | 584           | 585         | 586          | rBV      | 422            | 135           | 0.01%           | 0.001%        |
| 5         | 2.966       | 589           | 599         | 612          | rVB4     | 10260          | 20867         | 1.22%           | 0.170%        |
| 6         | 3.085       | 633           | 636         | 642          | rBV2     | 479            | 366           | 0.02%           | 0.003%        |
| 7         | 3.121       | 645           | 647         | 649          | rVV2     | 454            | 189           | 0.01%           | 0.002%        |
| 8         | 3.153       | 654           | 657         | 658          | rBV2     | 384            | 234           | 0.01%           | 0.002%        |
| 9         | 3.201       | 670           | 672         | 673          | rBV      | 132            | 72            | 0.00%           | 0.001%        |
| 10        | 3.217       | 674           | 677         | 680          | rVV2     | 606            | 396           | 0.02%           | 0.003%        |
| 11        | 3.233       | 680           | 682         | 685          | rVB3     | 464            | 275           | 0.02%           | 0.002%        |
| 12        | 3.301       | 700           | 703         | 704          | rBV      | 213            | 126           | 0.01%           | 0.001%        |
| 13        | 3.359       | 717           | 721         | 723          | rBV      | 269            | 179           | 0.01%           | 0.001%        |
| 14        | 3.371       | 723           | 725         | 727          | rVB2     | 211            | 69            | 0.00%           | 0.001%        |
| 15        | 3.410       | 731           | 737         | 741          | rBV2     | 443            | 316           | 0.02%           | 0.003%        |
| 16        | 3.452       | 747           | 750         | 754          | rVB2     | 221            | 108           | 0.01%           | 0.001%        |
| 17        | 3.487       | 756           | 761         | 762          | rBV      | 228            | 197           | 0.01%           | 0.002%        |
| 18        | 3.545       | 774           | 779         | 783          | rBV      | 418            | 433           | 0.03%           | 0.004%        |
| 19        | 3.641       | 805           | 809         | 812          | rBV2     | 268            | 180           | 0.01%           | 0.001%        |
| 20        | 3.654       | 812           | 813         | 815          | rVB      | 321            | 96            | 0.01%           | 0.001%        |
| 21        | 3.674       | 815           | 819         | 821          | rBV2     | 203            | 133           | 0.01%           | 0.001%        |
| 22        | 3.686       | 821           | 823         | 825          | rBV      | 138            | 55            | 0.00%           | 0.000%        |
| 23        | 3.703       | 825           | 828         | 830          | rBV      | 260            | 146           | 0.01%           | 0.001%        |
| 24        | 3.841       | 849           | 871         | 915          | rBV3     | 59313          | 319829        | 18.66%          | 2.600%        |
| 25        | 4.243       | 983           | 996         | 1027         | rVB      | 278191         | 720229        | 42.02%          | 5.854%        |
| 26        | 4.622       | 1112          | 1114        | 1116         | rBV2     | 261            | 149           | 0.01%           | 0.001%        |
| 27        | 4.664       | 1125          | 1127        | 1128         | rBV      | 350            | 147           | 0.01%           | 0.001%        |
| 28        | 4.767       | 1157          | 1159        | 1162         | rBV2     | 404            | 282           | 0.02%           | 0.002%        |
| 29        | 4.870       | 1189          | 1191        | 1193         | rBV2     | 276            | 150           | 0.01%           | 0.001%        |
| 30        | 4.953       | 1201          | 1217        | 1266         | rBV2     | 653793         | 1714052       | 100.00%         | 13.931%       |
| 31        | 5.529       | 1385          | 1396        | 1437         | rBV      | 625188         | 1335497       | 77.91%          | 10.855%       |
| 32        | 5.825       | 1480          | 1488        | 1517         | rVB2     | 30557          | 71921         | 4.20%           | 0.585%        |
| 33        | 5.985       | 1525          | 1538        | 1576         | rBV      | 384759         | 816097        | 47.61%          | 6.633%        |
| 34        | 6.397       | 1664          | 1666        | 1674         | rVB3     | 1053           | 869           | 0.05%           | 0.007%        |
| 35        | 6.436       | 1674          | 1678        | 1681         | rBV4     | 271            | 284           | 0.02%           | 0.002%        |
| 36        | 6.448       | 1681          | 1682        | 1686         | rVB2     | 718            | 369           | 0.02%           | 0.003%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 6.474  | 1686 | 1690 | 1693 | rBV3 | 367    | 308     | 0.02%  | 0.003%  |
| 38 | 6.500  | 1696 | 1698 | 1702 | rVB2 | 457    | 255     | 0.01%  | 0.002%  |
| 39 | 6.522  | 1702 | 1705 | 1708 | rBV3 | 491    | 441     | 0.03%  | 0.004%  |
| 40 | 6.911  | 1816 | 1826 | 1861 | rBV  | 147345 | 299997  | 17.50% | 2.438%  |
| 41 | 7.239  | 1918 | 1928 | 1958 | rBV  | 672697 | 1218038 | 71.06% | 9.900%  |
| 42 | 7.555  | 2017 | 2026 | 2053 | rBV  | 95134  | 185624  | 10.83% | 1.509%  |
| 43 | 7.873  | 2113 | 2125 | 2138 | rBV2 | 11910  | 21994   | 1.28%  | 0.179%  |
| 44 | 7.972  | 2155 | 2156 | 2159 | rBV  | 212    | 75      | 0.00%  | 0.001%  |
| 45 | 8.034  | 2159 | 2175 | 2214 | rBV  | 103752 | 266413  | 15.54% | 2.165%  |
| 46 | 8.362  | 2270 | 2277 | 2292 | rVB3 | 11289  | 20545   | 1.20%  | 0.167%  |
| 47 | 8.567  | 2339 | 2341 | 2343 | rBV3 | 451    | 190     | 0.01%  | 0.002%  |
| 48 | 8.680  | 2373 | 2376 | 2379 | rBV3 | 321    | 203     | 0.01%  | 0.002%  |
| 49 | 8.699  | 2379 | 2382 | 2385 | rVB3 | 489    | 226     | 0.01%  | 0.002%  |
| 50 | 8.715  | 2385 | 2387 | 2389 | rBB2 | 276    | 126     | 0.01%  | 0.001%  |
| 51 | 8.783  | 2396 | 2408 | 2438 | rBV  | 914899 | 1529528 | 89.23% | 12.432% |
| 52 | 9.323  | 2571 | 2576 | 2577 | rBV2 | 158    | 134     | 0.01%  | 0.001%  |
| 53 | 9.345  | 2581 | 2583 | 2585 | rBV2 | 407    | 246     | 0.01%  | 0.002%  |
| 54 | 9.387  | 2593 | 2596 | 2598 | rBV2 | 328    | 184     | 0.01%  | 0.001%  |
| 55 | 9.400  | 2598 | 2600 | 2603 | rVV2 | 435    | 290     | 0.02%  | 0.002%  |
| 56 | 9.423  | 2603 | 2607 | 2610 | rVV3 | 399    | 338     | 0.02%  | 0.003%  |
| 57 | 9.458  | 2614 | 2618 | 2621 | rBV3 | 364    | 278     | 0.02%  | 0.002%  |
| 58 | 9.497  | 2627 | 2630 | 2632 | rBV  | 446    | 356     | 0.02%  | 0.003%  |
| 59 | 9.542  | 2641 | 2644 | 2645 | rBV3 | 300    | 162     | 0.01%  | 0.001%  |
| 60 | 9.574  | 2651 | 2654 | 2655 | rBV  | 347    | 208     | 0.01%  | 0.002%  |
| 61 | 9.606  | 2662 | 2664 | 2669 | rBV2 | 367    | 288     | 0.02%  | 0.002%  |
| 62 | 9.632  | 2669 | 2672 | 2678 | rVB2 | 423    | 476     | 0.03%  | 0.004%  |
| 63 | 9.670  | 2678 | 2684 | 2686 | rBV3 | 489    | 541     | 0.03%  | 0.004%  |
| 64 | 9.709  | 2690 | 2696 | 2700 | rVV3 | 343    | 395     | 0.02%  | 0.003%  |
| 65 | 9.805  | 2723 | 2726 | 2730 | rBV2 | 489    | 503     | 0.03%  | 0.004%  |
| 66 | 9.911  | 2757 | 2759 | 2763 | rBV2 | 330    | 212     | 0.01%  | 0.002%  |
| 67 | 9.943  | 2766 | 2769 | 2770 | rBV  | 246    | 123     | 0.01%  | 0.001%  |
| 68 | 10.030 | 2793 | 2796 | 2797 | rBV  | 163    | 99      | 0.01%  | 0.001%  |
| 69 | 10.046 | 2798 | 2801 | 2803 | rBV3 | 464    | 328     | 0.02%  | 0.003%  |
| 70 | 10.152 | 2822 | 2834 | 2859 | rBV  | 318030 | 519795  | 30.33% | 4.225%  |
| 71 | 10.323 | 2877 | 2887 | 2900 | rBV2 | 29399  | 46662   | 2.72%  | 0.379%  |
| 72 | 10.394 | 2905 | 2909 | 2912 | rBV3 | 303    | 245     | 0.01%  | 0.002%  |
| 73 | 10.413 | 2912 | 2915 | 2919 | rVB2 | 514    | 301     | 0.02%  | 0.002%  |
| 74 | 10.445 | 2919 | 2925 | 2928 | rBV  | 351    | 418     | 0.02%  | 0.003%  |
| 75 | 10.468 | 2930 | 2932 | 2935 | rVB2 | 330    | 137     | 0.01%  | 0.001%  |
| 76 | 10.503 | 2942 | 2943 | 2945 | rBV  | 425    | 134     | 0.01%  | 0.001%  |

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

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Min Area: 0 % 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\_V\Method\SFAMVLM050624SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 10.519 | 2945 | 2948 | 2952 | rBV3 | 663    | 615     | 0.04%  | 0.005% |
| 78  | 10.580 | 2965 | 2967 | 2969 | rVB2 | 260    | 79      | 0.00%  | 0.001% |
| 79  | 10.596 | 2969 | 2972 | 2975 | rVB2 | 202    | 153     | 0.01%  | 0.001% |
| 80  | 10.622 | 2975 | 2980 | 2982 | rBV3 | 531    | 434     | 0.03%  | 0.004% |
| 81  | 10.657 | 2990 | 2991 | 2993 | rBV  | 284    | 128     | 0.01%  | 0.001% |
| 82  | 10.747 | 3013 | 3019 | 3024 | rBV5 | 1276   | 1821    | 0.11%  | 0.015% |
| 83  | 10.799 | 3033 | 3035 | 3036 | rBV2 | 277    | 113     | 0.01%  | 0.001% |
| 84  | 10.966 | 3084 | 3087 | 3093 | rVB3 | 866    | 757     | 0.04%  | 0.006% |
| 85  | 11.021 | 3102 | 3104 | 3107 | rBV  | 475    | 323     | 0.02%  | 0.003% |
| 86  | 11.082 | 3117 | 3123 | 3132 | rVB5 | 4927   | 7204    | 0.42%  | 0.059% |
| 87  | 11.130 | 3132 | 3138 | 3139 | rBV3 | 1172   | 943     | 0.06%  | 0.008% |
| 88  | 11.185 | 3144 | 3155 | 3175 | rBV  | 655158 | 1046106 | 61.03% | 8.503% |
| 89  | 11.558 | 3260 | 3271 | 3291 | rBV  | 523196 | 847165  | 49.42% | 6.886% |
| 90  | 12.191 | 3460 | 3468 | 3479 | rVB2 | 15276  | 23894   | 1.39%  | 0.194% |
| 91  | 12.246 | 3481 | 3485 | 3487 | rBV3 | 558    | 508     | 0.03%  | 0.004% |
| 92  | 12.400 | 3529 | 3533 | 3535 | rVB2 | 652    | 487     | 0.03%  | 0.004% |
| 93  | 12.580 | 3582 | 3589 | 3596 | rBV3 | 1250   | 2165    | 0.13%  | 0.018% |
| 94  | 12.831 | 3660 | 3667 | 3676 | rVB5 | 3947   | 5291    | 0.31%  | 0.043% |
| 95  | 12.940 | 3697 | 3701 | 3703 | rBV3 | 783    | 576     | 0.03%  | 0.005% |
| 96  | 13.152 | 3764 | 3767 | 3770 | rBV2 | 568    | 370     | 0.02%  | 0.003% |
| 97  | 13.377 | 3835 | 3837 | 3841 | rBV3 | 473    | 317     | 0.02%  | 0.003% |
| 98  | 13.599 | 3904 | 3906 | 3911 | rBV3 | 577    | 515     | 0.03%  | 0.004% |
| 99  | 13.683 | 3923 | 3932 | 3944 | rVB  | 43141  | 64144   | 3.74%  | 0.521% |
| 100 | 13.982 | 4020 | 4025 | 4029 | rBV3 | 3240   | 3697    | 0.22%  | 0.030% |

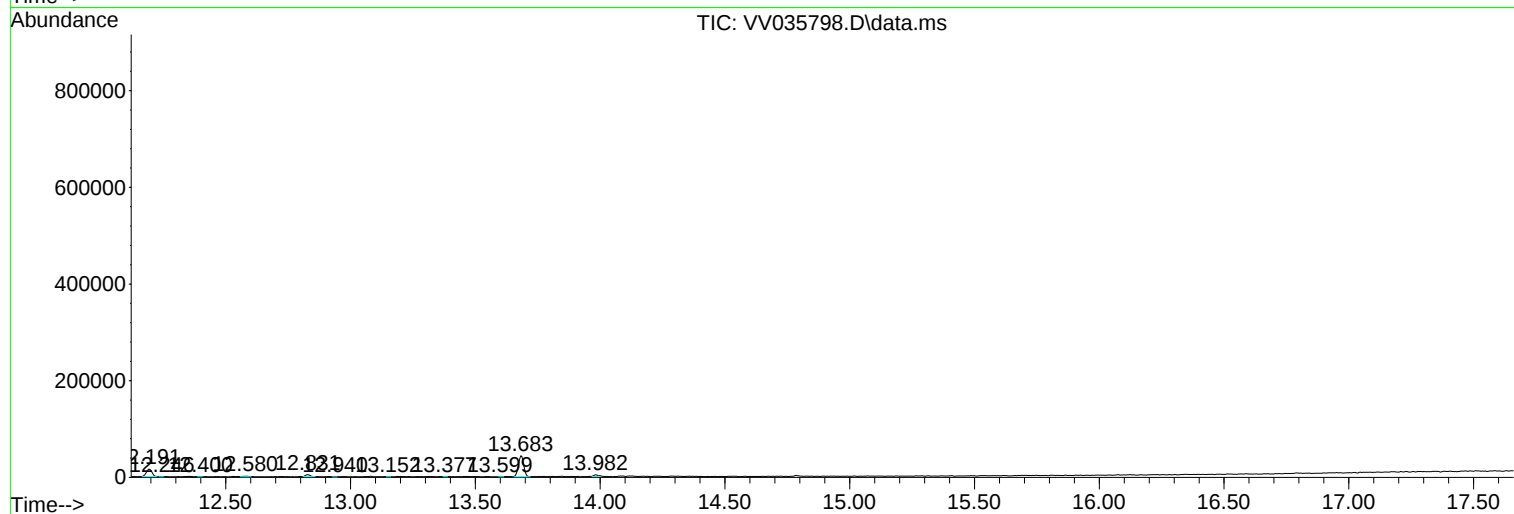
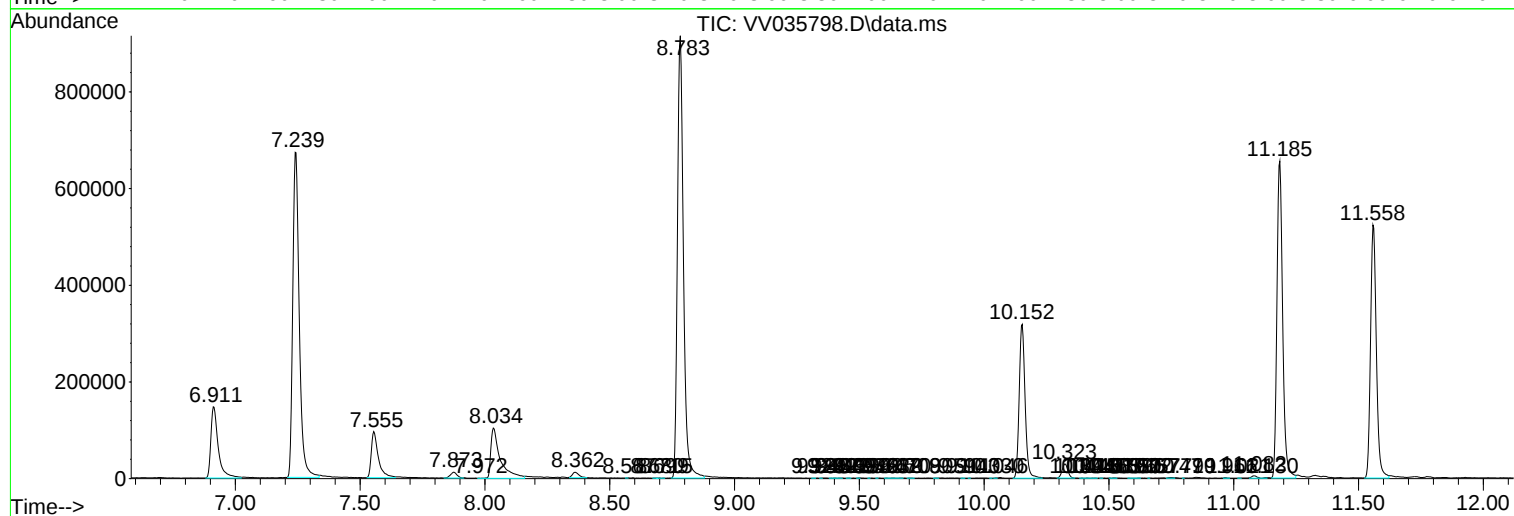
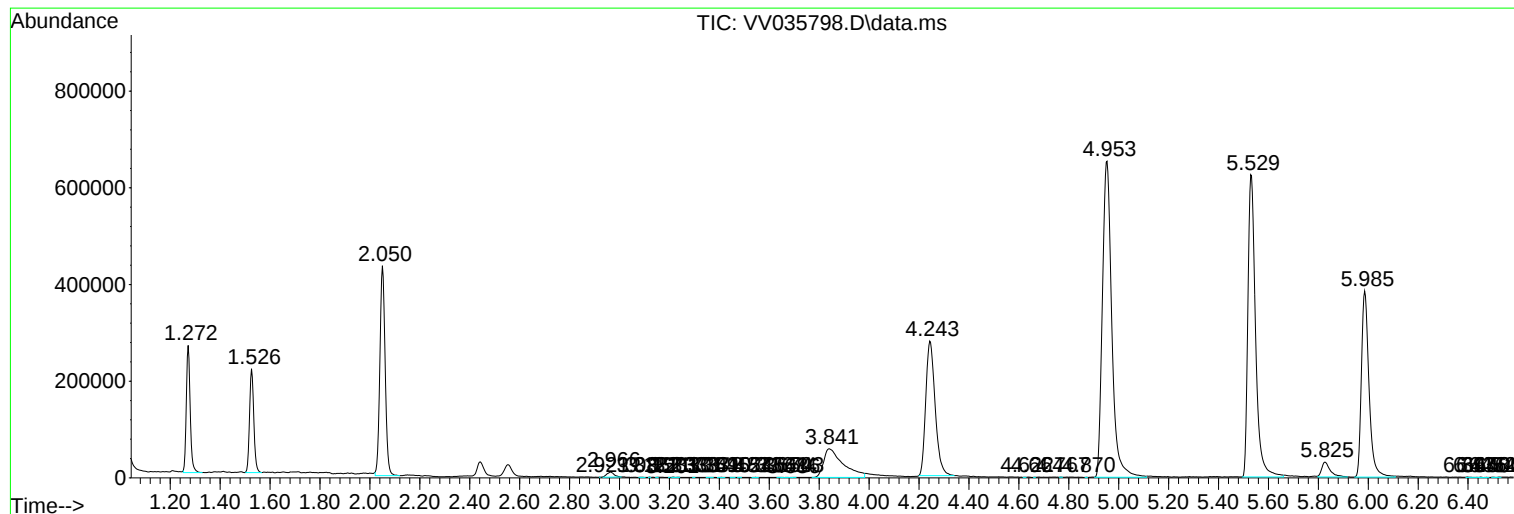
Sum of corrected areas: 12303435

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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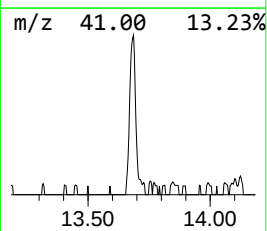
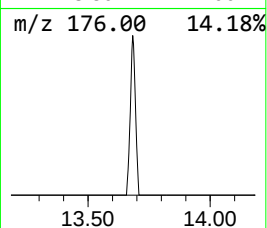
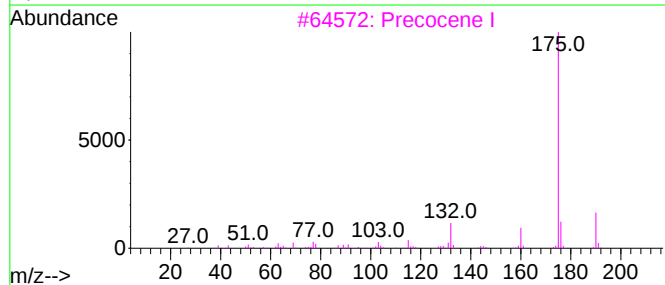
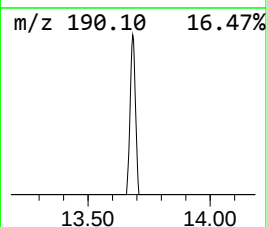
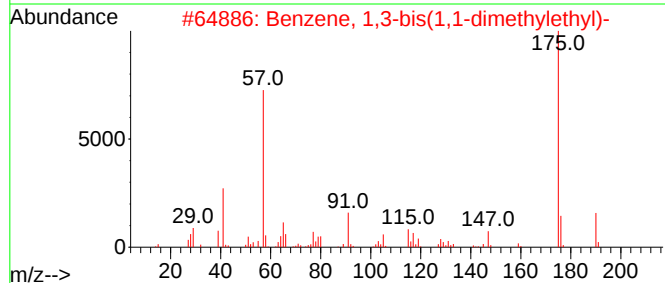
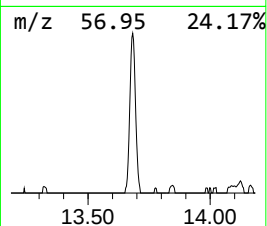
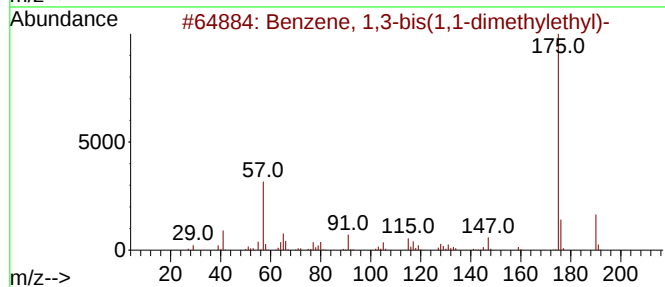
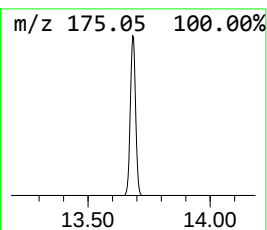
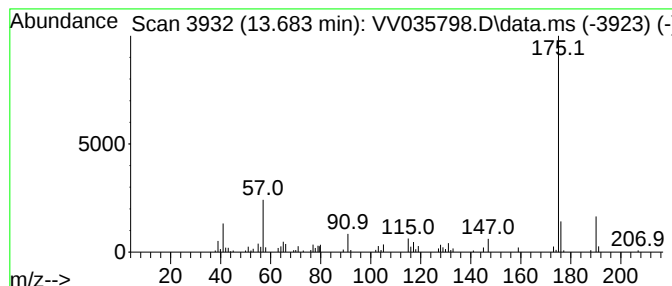
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.683 | 1.53 ug/L | 64144 | 1,4-Dichlorobenzene-d4 | 11.185 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 97   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 93   |
| 3    |    |   | Precocene I                         | 190 | C12H14O2 | 017598-02-6 | 87   |
| 4    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 87   |
| 5    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22   | 001014-60-4 | 87   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Benzene, 1,3-bi... | 13.683 | 1.5     | ug/L  | 64144    | 3                     | 11.185 | 1046110 | 25.0 |