

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052124\  
 Data File : VV035655.D  
 Acq On : 21 May 2024 21:47  
 Operator : SY/MD  
 Sample : P2547-15  
 Misc : 5.25g/10.0mL/MSVOA\_V/SOIL/VIAL A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH5X2

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: VV035655.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          | 95           | rVB      | 140380         | 154049        | 13.94%          | 1.805%        |
| 2         | 1.526       | 144           | 151         | 168          | rVB      | 128237         | 154425        | 13.97%          | 1.809%        |
| 3         | 2.053       | 305           | 315         | 343          | rVB      | 250880         | 380516        | 34.43%          | 4.458%        |
| 4         | 2.442       | 424           | 436         | 459          | rBV      | 170856         | 291351        | 26.36%          | 3.413%        |
| 5         | 2.558       | 462           | 472         | 483          | rVB2     | 9756           | 20377         | 1.84%           | 0.239%        |
| 6         | 2.651       | 498           | 501         | 504          | rBV4     | 574            | 436           | 0.04%           | 0.005%        |
| 7         | 2.696       | 508           | 515         | 516          | rBV4     | 2151           | 1827          | 0.17%           | 0.021%        |
| 8         | 2.851       | 560           | 563         | 566          | rBV2     | 361            | 303           | 0.03%           | 0.004%        |
| 9         | 2.896       | 574           | 577         | 580          | rVB3     | 480            | 316           | 0.03%           | 0.004%        |
| 10        | 2.963       | 586           | 598         | 616          | rBV2     | 18594          | 37569         | 3.40%           | 0.440%        |
| 11        | 3.118       | 637           | 646         | 652          | rVB4     | 1031           | 1539          | 0.14%           | 0.018%        |
| 12        | 3.163       | 657           | 660         | 664          | rVB3     | 540            | 301           | 0.03%           | 0.004%        |
| 13        | 3.847       | 852           | 873         | 919          | rBV4     | 35508          | 200752        | 18.17%          | 2.352%        |
| 14        | 4.246       | 981           | 997         | 1026         | rBV      | 194581         | 516962        | 46.78%          | 6.056%        |
| 15        | 4.507       | 1073          | 1078        | 1080         | rBV3     | 781            | 799           | 0.07%           | 0.009%        |
| 16        | 4.568       | 1095          | 1097        | 1099         | rBV      | 534            | 301           | 0.03%           | 0.004%        |
| 17        | 4.722       | 1140          | 1145        | 1147         | rBV3     | 1051           | 867           | 0.08%           | 0.010%        |
| 18        | 4.818       | 1169          | 1175        | 1177         | rBV      | 327            | 287           | 0.03%           | 0.003%        |
| 19        | 4.953       | 1202          | 1217        | 1255         | rBV3     | 421565         | 1105105       | 100.00%         | 12.946%       |
| 20        | 5.185       | 1285          | 1289        | 1293         | rVB5     | 979            | 671           | 0.06%           | 0.008%        |
| 21        | 5.391       | 1349          | 1353        | 1356         | rBV3     | 398            | 295           | 0.03%           | 0.003%        |
| 22        | 5.478       | 1376          | 1380        | 1385         | rBV3     | 408            | 420           | 0.04%           | 0.005%        |
| 23        | 5.532       | 1386          | 1397        | 1437         | rBV      | 302521         | 660622        | 59.78%          | 7.739%        |
| 24        | 5.725       | 1453          | 1457        | 1460         | rVB4     | 821            | 625           | 0.06%           | 0.007%        |
| 25        | 5.777       | 1470          | 1473        | 1476         | rBV3     | 383            | 321           | 0.03%           | 0.004%        |
| 26        | 5.831       | 1478          | 1490        | 1510         | rVV2     | 23247          | 53865         | 4.87%           | 0.631%        |
| 27        | 5.986       | 1526          | 1538        | 1566         | rBV      | 263319         | 561510        | 50.81%          | 6.578%        |
| 28        | 6.272       | 1625          | 1627        | 1631         | rVB      | 536            | 338           | 0.03%           | 0.004%        |
| 29        | 6.294       | 1631          | 1634        | 1636         | rBV2     | 569            | 364           | 0.03%           | 0.004%        |
| 30        | 6.310       | 1636          | 1639        | 1641         | rBV2     | 421            | 279           | 0.03%           | 0.003%        |
| 31        | 6.436       | 1674          | 1678        | 1680         | rBV2     | 585            | 418           | 0.04%           | 0.005%        |
| 32        | 6.449       | 1680          | 1682        | 1687         | rVV4     | 437            | 439           | 0.04%           | 0.005%        |
| 33        | 6.596       | 1724          | 1728        | 1733         | rVB2     | 389            | 431           | 0.04%           | 0.005%        |
| 34        | 6.619       | 1733          | 1735        | 1739         | rBV3     | 492            | 431           | 0.04%           | 0.005%        |
| 35        | 6.693       | 1754          | 1758        | 1764         | rBV2     | 597            | 553           | 0.05%           | 0.006%        |
| 36        | 6.854       | 1804          | 1808        | 1811         | rBV2     | 466            | 396           | 0.04%           | 0.005%        |

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Max Peaks: 100

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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

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 6.870  | 1811 | 1813 | 1817 | rVB3 | 504    | 299    | 0.03%  | 0.004%  |
| 38 | 6.915  | 1817 | 1827 | 1852 | rBV  | 101837 | 208825 | 18.90% | 2.446%  |
| 39 | 7.124  | 1889 | 1892 | 1895 | rVV3 | 480    | 375    | 0.03%  | 0.004%  |
| 40 | 7.243  | 1917 | 1929 | 1951 | rBV  | 424654 | 767687 | 69.47% | 8.993%  |
| 41 | 7.429  | 1985 | 1987 | 1990 | rBV3 | 624    | 319    | 0.03%  | 0.004%  |
| 42 | 7.558  | 2018 | 2027 | 2053 | rBV  | 67153  | 136457 | 12.35% | 1.599%  |
| 43 | 7.741  | 2079 | 2084 | 2089 | rVB5 | 749    | 925    | 0.08%  | 0.011%  |
| 44 | 7.773  | 2089 | 2094 | 2095 | rBV3 | 557    | 394    | 0.04%  | 0.005%  |
| 45 | 7.822  | 2106 | 2109 | 2113 | rBV3 | 878    | 727    | 0.07%  | 0.009%  |
| 46 | 7.876  | 2113 | 2126 | 2133 | rBV2 | 8666   | 16368  | 1.48%  | 0.192%  |
| 47 | 7.992  | 2159 | 2162 | 2166 | rVB2 | 364    | 270    | 0.02%  | 0.003%  |
| 48 | 8.037  | 2166 | 2176 | 2209 | rBV  | 79416  | 204957 | 18.55% | 2.401%  |
| 49 | 8.365  | 2267 | 2278 | 2289 | rBV3 | 15039  | 27215  | 2.46%  | 0.319%  |
| 50 | 8.506  | 2315 | 2322 | 2326 | rVB3 | 354    | 440    | 0.04%  | 0.005%  |
| 51 | 8.706  | 2379 | 2384 | 2387 | rBV3 | 413    | 366    | 0.03%  | 0.004%  |
| 52 | 8.783  | 2397 | 2408 | 2440 | rBV  | 532646 | 905542 | 81.94% | 10.608% |
| 53 | 9.088  | 2496 | 2503 | 2513 | rBV8 | 1798   | 3196   | 0.29%  | 0.037%  |
| 54 | 9.178  | 2528 | 2531 | 2535 | rBV3 | 555    | 491    | 0.04%  | 0.006%  |
| 55 | 9.461  | 2616 | 2619 | 2621 | rBV3 | 360    | 282    | 0.03%  | 0.003%  |
| 56 | 9.490  | 2622 | 2628 | 2635 | rVV6 | 1685   | 2384   | 0.22%  | 0.028%  |
| 57 | 9.600  | 2658 | 2662 | 2667 | rBV4 | 475    | 481    | 0.04%  | 0.006%  |
| 58 | 9.632  | 2667 | 2672 | 2676 | rVB2 | 363    | 395    | 0.04%  | 0.005%  |
| 59 | 9.680  | 2679 | 2687 | 2691 | rBV3 | 653    | 720    | 0.07%  | 0.008%  |
| 60 | 9.754  | 2704 | 2710 | 2715 | rBV4 | 403    | 579    | 0.05%  | 0.007%  |
| 61 | 9.799  | 2719 | 2724 | 2728 | rBV2 | 310    | 308    | 0.03%  | 0.004%  |
| 62 | 9.870  | 2740 | 2746 | 2749 | rBV3 | 1061   | 1143   | 0.10%  | 0.013%  |
| 63 | 10.059 | 2796 | 2805 | 2811 | rBV4 | 759    | 1207   | 0.11%  | 0.014%  |
| 64 | 10.153 | 2822 | 2834 | 2851 | rBV  | 238790 | 387327 | 35.05% | 4.537%  |
| 65 | 10.326 | 2879 | 2888 | 2899 | rVB  | 15779  | 24992  | 2.26%  | 0.293%  |
| 66 | 10.391 | 2905 | 2908 | 2910 | rBV2 | 486    | 292    | 0.03%  | 0.003%  |
| 67 | 10.423 | 2915 | 2918 | 2921 | rBV  | 448    | 321    | 0.03%  | 0.004%  |
| 68 | 10.481 | 2926 | 2936 | 2945 | rBV4 | 1831   | 3470   | 0.31%  | 0.041%  |
| 69 | 10.751 | 3015 | 3020 | 3025 | rVB4 | 712    | 944    | 0.09%  | 0.011%  |
| 70 | 10.860 | 3047 | 3054 | 3065 | rVB4 | 2496   | 3723   | 0.34%  | 0.044%  |
| 71 | 10.953 | 3080 | 3083 | 3086 | rBV2 | 393    | 315    | 0.03%  | 0.004%  |
| 72 | 11.050 | 3110 | 3113 | 3116 | rBV4 | 435    | 310    | 0.03%  | 0.004%  |
| 73 | 11.082 | 3117 | 3123 | 3130 | rVB5 | 1719   | 2179   | 0.20%  | 0.026%  |
| 74 | 11.130 | 3130 | 3138 | 3144 | rBV4 | 2158   | 3142   | 0.28%  | 0.037%  |
| 75 | 11.185 | 3144 | 3155 | 3181 | rBV  | 507878 | 821794 | 74.36% | 9.627%  |
| 76 | 11.365 | 3207 | 3211 | 3221 | rVB6 | 1747   | 2191   | 0.20%  | 0.026%  |

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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

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.407 | 3222 | 3224 | 3230 | rVB2 | 603    | 493    | 0.04%  | 0.006% |
| 78  | 11.558 | 3260 | 3271 | 3304 | rBV  | 474030 | 774178 | 70.05% | 9.069% |
| 79  | 11.911 | 3376 | 3381 | 3384 | rBV4 | 477    | 564    | 0.05%  | 0.007% |
| 80  | 11.950 | 3391 | 3393 | 3396 | rVB2 | 584    | 339    | 0.03%  | 0.004% |
| 81  | 12.191 | 3457 | 3468 | 3482 | rVB2 | 11344  | 19172  | 1.73%  | 0.225% |
| 82  | 12.246 | 3482 | 3485 | 3486 | rBV2 | 656    | 348    | 0.03%  | 0.004% |
| 83  | 12.310 | 3501 | 3505 | 3507 | rBV2 | 686    | 602    | 0.05%  | 0.007% |
| 84  | 12.362 | 3519 | 3521 | 3525 | rVB3 | 598    | 425    | 0.04%  | 0.005% |
| 85  | 12.394 | 3527 | 3531 | 3534 | rVB3 | 511    | 373    | 0.03%  | 0.004% |
| 86  | 12.493 | 3555 | 3562 | 3566 | rBV5 | 607    | 835    | 0.08%  | 0.010% |
| 87  | 12.583 | 3581 | 3590 | 3591 | rBV6 | 2198   | 2560   | 0.23%  | 0.030% |
| 88  | 12.831 | 3655 | 3667 | 3675 | rBV7 | 3273   | 5391   | 0.49%  | 0.063% |
| 89  | 12.911 | 3690 | 3692 | 3698 | rVV4 | 736    | 525    | 0.05%  | 0.006% |
| 90  | 12.937 | 3698 | 3700 | 3707 | rVB2 | 403    | 423    | 0.04%  | 0.005% |
| 91  | 13.030 | 3726 | 3729 | 3732 | rBV2 | 444    | 347    | 0.03%  | 0.004% |
| 92  | 13.079 | 3738 | 3744 | 3749 | rBV6 | 1033   | 1427   | 0.13%  | 0.017% |
| 93  | 13.130 | 3758 | 3760 | 3764 | rVB3 | 554    | 289    | 0.03%  | 0.003% |
| 94  | 13.214 | 3782 | 3786 | 3790 | rVB3 | 1171   | 1011   | 0.09%  | 0.012% |
| 95  | 13.452 | 3854 | 3860 | 3871 | rVB2 | 3489   | 5513   | 0.50%  | 0.065% |
| 96  | 13.683 | 3923 | 3932 | 3943 | rBV  | 24004  | 34650  | 3.14%  | 0.406% |
| 97  | 13.834 | 3974 | 3979 | 3980 | rBV3 | 786    | 642    | 0.06%  | 0.008% |
| 98  | 13.892 | 3994 | 3997 | 4000 | rBV3 | 742    | 447    | 0.04%  | 0.005% |
| 99  | 14.085 | 4051 | 4057 | 4062 | rBV6 | 1344   | 1552   | 0.14%  | 0.018% |
| 100 | 14.284 | 4115 | 4119 | 4124 | rBV5 | 809    | 845    | 0.08%  | 0.010% |

Sum of corrected areas: 8536363



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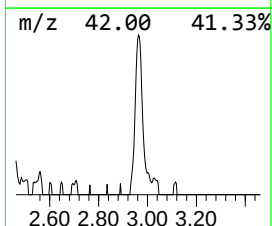
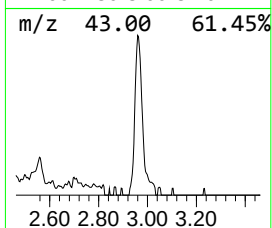
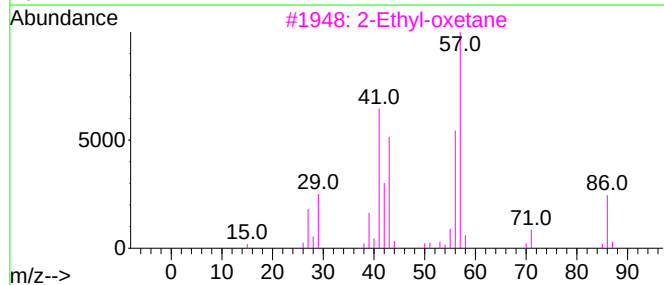
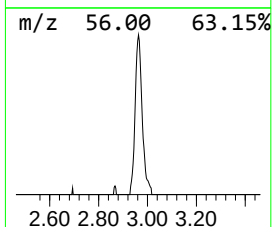
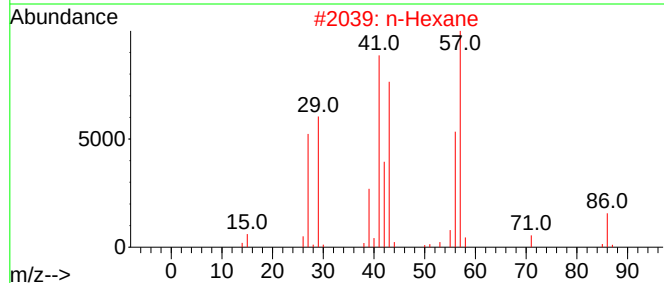
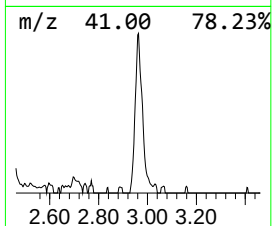
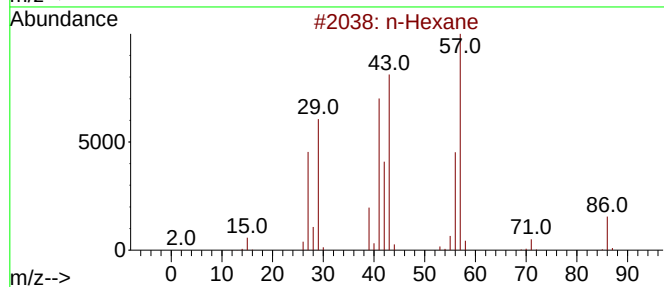
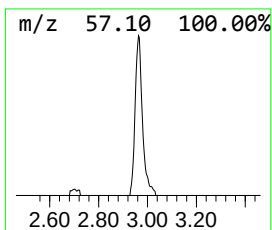
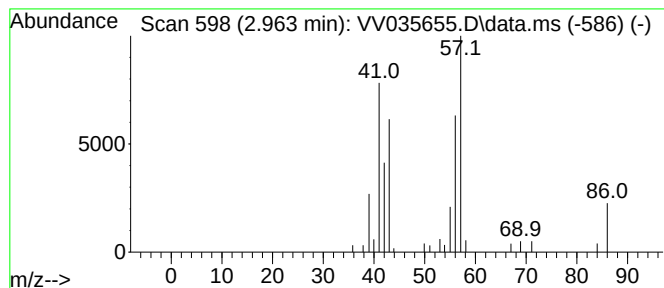
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.963 | 1.42 ug/L | 37569 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of 5 | Tentative ID    | MW | MolForm | CAS#         | Qual |
|------|------|-----------------|----|---------|--------------|------|
| 1    |      | n-Hexane        | 86 | C6H14   | 000110-54-3  | 78   |
| 2    |      | n-Hexane        | 86 | C6H14   | 000110-54-3  | 72   |
| 3    |      | 2-Ethyl-oxetane | 86 | C5H10O  | 1010386-40-2 | 64   |
| 4    |      | n-Hexane        | 86 | C6H14   | 000110-54-3  | 49   |
| 5    |      | n-Hexane        | 86 | C6H14   | 000110-54-3  | 42   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 2.963 | 1.4     | ug/L  | 37569    | 1                     | 5.532 | 660622 | 25.0 |