

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061724\  
 Data File : VV036104.D  
 Acq On : 17 Jun 2024 17:18  
 Operator : SY/MD  
 Sample : P2909-09  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4DD6

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\SFAMVLM053024SMA.M  
 Title : VOC Analysis

Signal : TIC: VV036104.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          | 94           | rVB      | 249663         | 278961        | 17.34%          | 2.176%        |
| 2         | 1.526       | 144           | 151         | 168          | rVB      | 206395         | 248541        | 15.45%          | 1.939%        |
| 3         | 2.050       | 305           | 314         | 330          | rVB      | 427539         | 609895        | 37.91%          | 4.757%        |
| 4         | 2.442       | 424           | 436         | 453          | rBV      | 290596         | 486561        | 30.24%          | 3.795%        |
| 5         | 2.638       | 494           | 497         | 501          | rVB2     | 616            | 418           | 0.03%           | 0.003%        |
| 6         | 2.664       | 501           | 505         | 510          | rVB4     | 703            | 662           | 0.04%           | 0.005%        |
| 7         | 2.786       | 539           | 543         | 546          | rBV2     | 375            | 345           | 0.02%           | 0.003%        |
| 8         | 2.809       | 546           | 550         | 553          | rVV3     | 500            | 312           | 0.02%           | 0.002%        |
| 9         | 2.831       | 553           | 557         | 561          | rVB2     | 401            | 420           | 0.03%           | 0.003%        |
| 10        | 2.912       | 577           | 582         | 584          | rBV5     | 626            | 639           | 0.04%           | 0.005%        |
| 11        | 2.960       | 584           | 597         | 612          | rVV      | 36563          | 74506         | 4.63%           | 0.581%        |
| 12        | 3.075       | 630           | 633         | 636          | rBV2     | 428            | 310           | 0.02%           | 0.002%        |
| 13        | 3.265       | 689           | 692         | 698          | rVB3     | 406            | 357           | 0.02%           | 0.003%        |
| 14        | 3.420       | 737           | 740         | 747          | rVB3     | 340            | 377           | 0.02%           | 0.003%        |
| 15        | 3.567       | 780           | 786         | 790          | rBV3     | 310            | 373           | 0.02%           | 0.003%        |
| 16        | 3.773       | 847           | 850         | 854          | rBV2     | 468            | 433           | 0.03%           | 0.003%        |
| 17        | 3.834       | 859           | 869         | 896          | rBV      | 21400          | 85092         | 5.29%           | 0.664%        |
| 18        | 4.246       | 980           | 997         | 1026         | rBV      | 268449         | 701820        | 43.62%          | 5.474%        |
| 19        | 4.442       | 1055          | 1058        | 1064         | rVB4     | 600            | 502           | 0.03%           | 0.004%        |
| 20        | 4.497       | 1073          | 1075        | 1078         | rVB3     | 588            | 311           | 0.02%           | 0.002%        |
| 21        | 4.738       | 1146          | 1150        | 1154         | rBV2     | 492            | 335           | 0.02%           | 0.003%        |
| 22        | 4.780       | 1159          | 1163        | 1164         | rBV2     | 512            | 332           | 0.02%           | 0.003%        |
| 23        | 4.953       | 1199          | 1217        | 1253         | rBV2     | 622374         | 1577512       | 98.05%          | 12.304%       |
| 24        | 5.265       | 1312          | 1314        | 1320         | rVB4     | 858            | 653           | 0.04%           | 0.005%        |
| 25        | 5.313       | 1326          | 1329        | 1331         | rBV3     | 523            | 354           | 0.02%           | 0.003%        |
| 26        | 5.371       | 1344          | 1347        | 1351         | rVB3     | 682            | 374           | 0.02%           | 0.003%        |
| 27        | 5.394       | 1351          | 1354        | 1359         | rVB2     | 331            | 338           | 0.02%           | 0.003%        |
| 28        | 5.419       | 1359          | 1362        | 1365         | rBV3     | 490            | 435           | 0.03%           | 0.003%        |
| 29        | 5.532       | 1385          | 1397        | 1433         | rBV      | 587495         | 1238148       | 76.96%          | 9.657%        |
| 30        | 5.828       | 1478          | 1489        | 1507         | rBV2     | 26711          | 58690         | 3.65%           | 0.458%        |
| 31        | 5.985       | 1526          | 1538        | 1574         | rBV      | 363538         | 771970        | 47.98%          | 6.021%        |
| 32        | 6.272       | 1625          | 1627        | 1630         | rVB3     | 1054           | 565           | 0.04%           | 0.004%        |
| 33        | 6.291       | 1630          | 1633        | 1635         | rBV3     | 674            | 432           | 0.03%           | 0.003%        |
| 34        | 6.352       | 1650          | 1652        | 1654         | rBV2     | 828            | 321           | 0.02%           | 0.003%        |
| 35        | 6.423       | 1670          | 1674        | 1677         | rVB3     | 598            | 383           | 0.02%           | 0.003%        |
| 36        | 6.461       | 1683          | 1686        | 1690         | rVB2     | 710            | 448           | 0.03%           | 0.003%        |

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 6.767  | 1779 | 1781 | 1785 | rBV4 | 563    | 363     | 0.02%   | 0.003%  |
| 38 | 6.825  | 1795 | 1799 | 1804 | rBV2 | 653    | 464     | 0.03%   | 0.004%  |
| 39 | 6.850  | 1804 | 1807 | 1813 | rVB4 | 326    | 350     | 0.02%   | 0.003%  |
| 40 | 6.911  | 1816 | 1826 | 1858 | rBV  | 156837 | 314976  | 19.58%  | 2.457%  |
| 41 | 7.191  | 1908 | 1913 | 1917 | rVB5 | 567    | 474     | 0.03%   | 0.004%  |
| 42 | 7.243  | 1917 | 1929 | 1962 | rBV  | 671341 | 1207764 | 75.07%  | 9.420%  |
| 43 | 7.554  | 2017 | 2026 | 2055 | rBV  | 105373 | 203380  | 12.64%  | 1.586%  |
| 44 | 7.876  | 2116 | 2126 | 2136 | rBV2 | 10932  | 18979   | 1.18%   | 0.148%  |
| 45 | 8.033  | 2167 | 2175 | 2200 | rBV  | 96207  | 211851  | 13.17%  | 1.652%  |
| 46 | 8.490  | 2314 | 2317 | 2322 | rVB3 | 530    | 468     | 0.03%   | 0.004%  |
| 47 | 8.548  | 2331 | 2335 | 2337 | rBV3 | 567    | 458     | 0.03%   | 0.004%  |
| 48 | 8.580  | 2341 | 2345 | 2351 | rVB5 | 883    | 719     | 0.04%   | 0.006%  |
| 49 | 8.654  | 2365 | 2368 | 2373 | rVB4 | 535    | 364     | 0.02%   | 0.003%  |
| 50 | 8.683  | 2373 | 2377 | 2383 | rBV4 | 562    | 456     | 0.03%   | 0.004%  |
| 51 | 8.728  | 2387 | 2391 | 2396 | rBV2 | 529    | 548     | 0.03%   | 0.004%  |
| 52 | 8.783  | 2396 | 2408 | 2438 | rBV  | 979647 | 1608898 | 100.00% | 12.549% |
| 53 | 9.008  | 2471 | 2478 | 2487 | rBV3 | 3550   | 6172    | 0.38%   | 0.048%  |
| 54 | 9.352  | 2580 | 2585 | 2590 | rVB6 | 546    | 601     | 0.04%   | 0.005%  |
| 55 | 9.493  | 2625 | 2629 | 2630 | rVV3 | 533    | 362     | 0.02%   | 0.003%  |
| 56 | 9.651  | 2672 | 2678 | 2681 | rBV4 | 812    | 844     | 0.05%   | 0.007%  |
| 57 | 9.673  | 2681 | 2685 | 2690 | rBV6 | 378    | 357     | 0.02%   | 0.003%  |
| 58 | 9.763  | 2710 | 2713 | 2718 | rBV3 | 351    | 383     | 0.02%   | 0.003%  |
| 59 | 9.837  | 2728 | 2736 | 2744 | rBV6 | 4212   | 6383    | 0.40%   | 0.050%  |
| 60 | 10.033 | 2790 | 2797 | 2798 | rBV2 | 405    | 391     | 0.02%   | 0.003%  |
| 61 | 10.062 | 2798 | 2806 | 2814 | rVB6 | 1743   | 2489    | 0.15%   | 0.019%  |
| 62 | 10.152 | 2822 | 2834 | 2855 | rBV  | 256008 | 407452  | 25.32%  | 3.178%  |
| 63 | 10.323 | 2875 | 2887 | 2901 | rVB2 | 39755  | 66076   | 4.11%   | 0.515%  |
| 64 | 10.512 | 2943 | 2946 | 2958 | rVB6 | 1992   | 2799    | 0.17%   | 0.022%  |
| 65 | 10.574 | 2961 | 2965 | 2967 | rBV2 | 478    | 427     | 0.03%   | 0.003%  |
| 66 | 10.609 | 2972 | 2976 | 2978 | rBV2 | 456    | 343     | 0.02%   | 0.003%  |
| 67 | 10.628 | 2978 | 2982 | 2984 | rBV3 | 606    | 409     | 0.03%   | 0.003%  |
| 68 | 10.853 | 3043 | 3052 | 3058 | rBV7 | 1986   | 3728    | 0.23%   | 0.029%  |
| 69 | 10.969 | 3083 | 3088 | 3090 | rBV4 | 884    | 939     | 0.06%   | 0.007%  |
| 70 | 11.078 | 3117 | 3122 | 3131 | rBV6 | 2711   | 4221    | 0.26%   | 0.033%  |
| 71 | 11.130 | 3131 | 3138 | 3144 | rBV6 | 4698   | 5594    | 0.35%   | 0.044%  |
| 72 | 11.184 | 3144 | 3155 | 3189 | rBV  | 906282 | 1433195 | 89.08%  | 11.178% |
| 73 | 11.490 | 3242 | 3250 | 3260 | rBV4 | 10900  | 24534   | 1.52%   | 0.191%  |
| 74 | 11.557 | 3261 | 3271 | 3301 | rVB  | 660589 | 1061343 | 65.97%  | 8.278%  |
| 75 | 11.709 | 3316 | 3318 | 3319 | rBV2 | 1286   | 632     | 0.04%   | 0.005%  |
| 76 | 11.921 | 3378 | 3384 | 3386 | rBV5 | 1010   | 1140    | 0.07%   | 0.009%  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4DD6

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\SFAMVLM053024SMA.M  
 Title : VOC Analysis

|     |        |      |      |      |       |       |       |       |        |
|-----|--------|------|------|------|-------|-------|-------|-------|--------|
| 77  | 12.194 | 3459 | 3469 | 3481 | rBV2  | 13157 | 22692 | 1.41% | 0.177% |
| 78  | 12.297 | 3490 | 3501 | 3513 | rBV10 | 4243  | 9398  | 0.58% | 0.073% |
| 79  | 12.403 | 3532 | 3534 | 3538 | rBV3  | 576   | 430   | 0.03% | 0.003% |
| 80  | 12.471 | 3553 | 3555 | 3558 | rVB3  | 669   | 375   | 0.02% | 0.003% |
| 81  | 12.535 | 3565 | 3575 | 3578 | rBV8  | 1850  | 2765  | 0.17% | 0.022% |
| 82  | 12.619 | 3593 | 3601 | 3613 | rBV3  | 8013  | 14046 | 0.87% | 0.110% |
| 83  | 12.831 | 3661 | 3667 | 3675 | rVB7  | 2439  | 3173  | 0.20% | 0.025% |
| 84  | 12.979 | 3711 | 3713 | 3716 | rVB3  | 803   | 487   | 0.03% | 0.004% |
| 85  | 13.085 | 3742 | 3746 | 3749 | rBV4  | 489   | 353   | 0.02% | 0.003% |
| 86  | 13.117 | 3752 | 3756 | 3759 | rBV2  | 499   | 548   | 0.03% | 0.004% |
| 87  | 13.159 | 3764 | 3769 | 3770 | rBV2  | 625   | 492   | 0.03% | 0.004% |
| 88  | 13.178 | 3773 | 3775 | 3780 | rVB3  | 706   | 601   | 0.04% | 0.005% |
| 89  | 13.297 | 3810 | 3812 | 3816 | rBV4  | 385   | 335   | 0.02% | 0.003% |
| 90  | 13.471 | 3859 | 3866 | 3876 | rVB7  | 2812  | 4407  | 0.27% | 0.034% |
| 91  | 13.683 | 3928 | 3932 | 3940 | rVB8  | 1935  | 2352  | 0.15% | 0.018% |
| 92  | 13.747 | 3949 | 3952 | 3957 | rVB3  | 509   | 394   | 0.02% | 0.003% |
| 93  | 13.770 | 3957 | 3959 | 3965 | rVB4  | 823   | 658   | 0.04% | 0.005% |
| 94  | 13.808 | 3965 | 3971 | 3974 | rBV2  | 726   | 916   | 0.06% | 0.007% |
| 95  | 13.985 | 4016 | 4026 | 4033 | rBV   | 2859  | 5374  | 0.33% | 0.042% |
| 96  | 14.126 | 4063 | 4070 | 4075 | rBV6  | 1443  | 2236  | 0.14% | 0.017% |
| 97  | 14.175 | 4082 | 4085 | 4086 | rBV2  | 574   | 317   | 0.02% | 0.002% |
| 98  | 14.377 | 4146 | 4148 | 4150 | rBV2  | 794   | 412   | 0.03% | 0.003% |
| 99  | 14.782 | 4272 | 4274 | 4288 | rVB7  | 2472  | 3366  | 0.21% | 0.026% |
| 100 | 15.165 | 4389 | 4393 | 4398 | rBV5  | 1249  | 1486  | 0.09% | 0.012% |

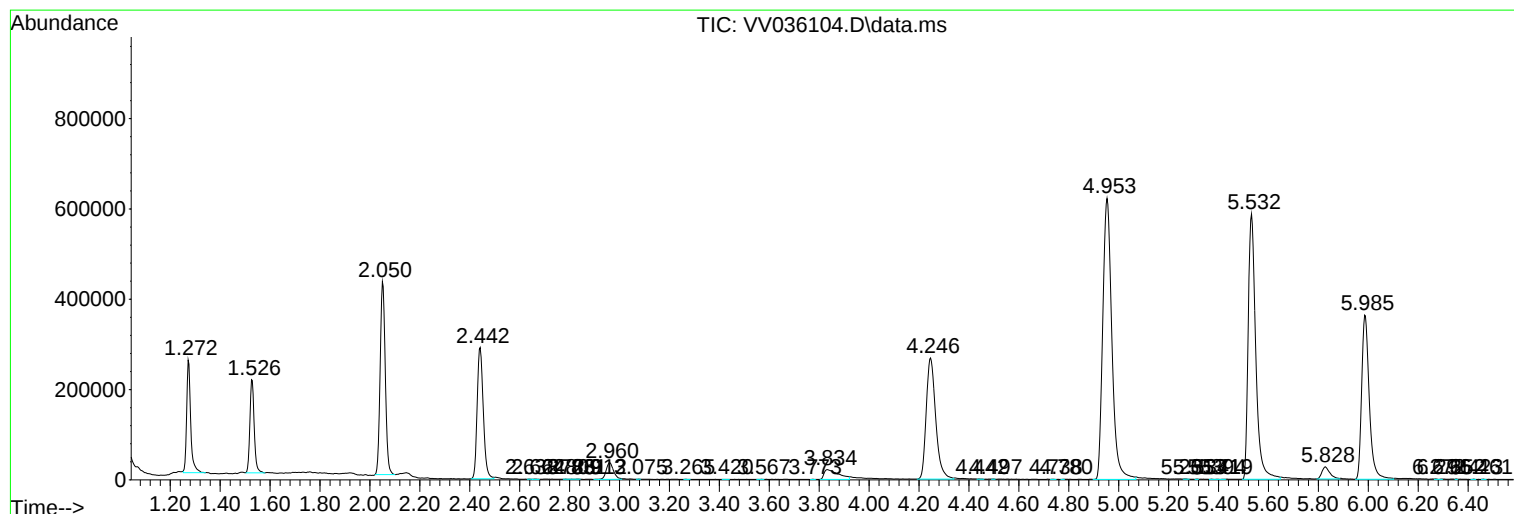
Sum of corrected areas: 12821064

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis

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



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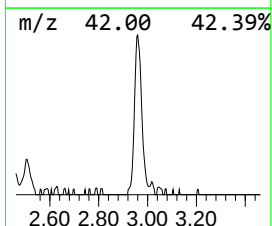
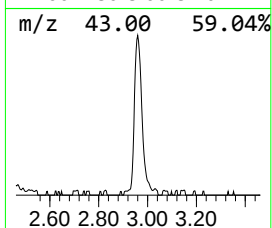
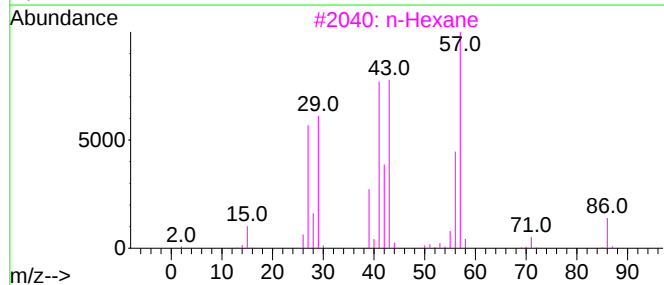
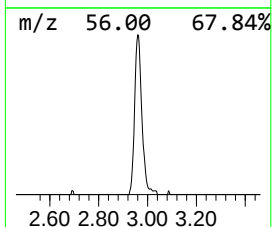
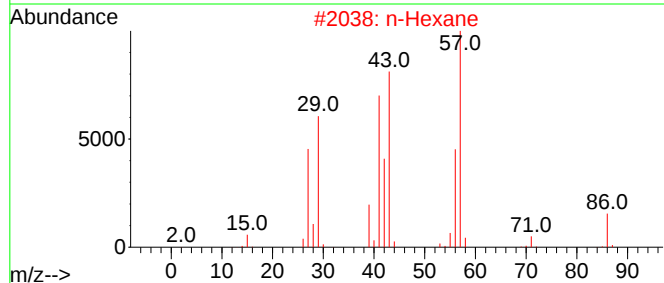
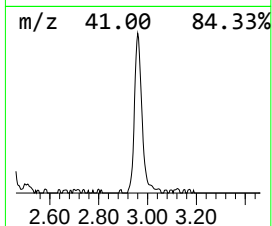
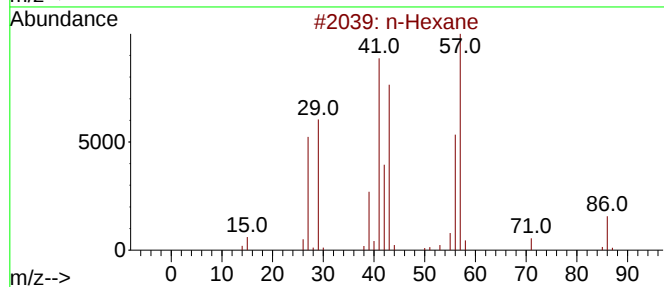
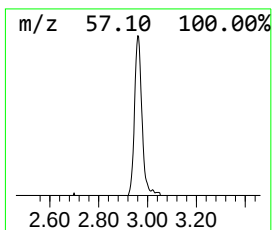
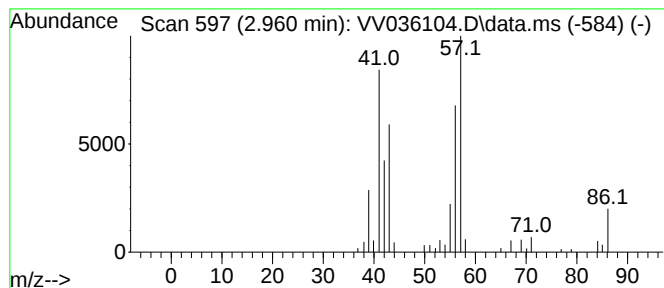
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.960 | 1.50 ug/L | 74506 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of              | 5 | Tentative ID | MW | MolForm | CAS#         | Qual |
|------|-----------------|---|--------------|----|---------|--------------|------|
| 1    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 86   |
| 2    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 78   |
| 3    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 64   |
| 4    | n-Hexane        |   |              | 86 | C6H14   | 000110-54-3  | 58   |
| 5    | 2-Ethyl-oxetane |   |              | 86 | C5H10O  | 1010386-40-2 | 53   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: S... | 2.960 | 1.5     | ug/L  | 74506    | 1                     | 5.532 | 1238150 | 25.0 |