

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052424\  
 Data File : VV035751.D  
 Acq On : 24 May 2024 16:55  
 Operator : SY/MD  
 Sample : P2577-07  
 Misc : 6.08g/10.0mL/MSVOA\_V/SOIL/VIAL A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHBN5

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: VV035751.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         | 1.275       | 66            | 73          | 92           | rVB      | 232333         | 256055        | 18.87%          | 2.649%        |
| 2         | 1.529       | 145           | 152         | 162          | rVB      | 181603         | 207546        | 15.29%          | 2.147%        |
| 3         | 2.053       | 305           | 315         | 333          | rBV      | 372126         | 532744        | 39.26%          | 5.511%        |
| 4         | 2.442       | 427           | 436         | 452          | rVB      | 51233          | 87554         | 6.45%           | 0.906%        |
| 5         | 2.555       | 461           | 471         | 489          | rVB      | 22436          | 46889         | 3.46%           | 0.485%        |
| 6         | 2.963       | 587           | 598         | 624          | rVV2     | 27585          | 56129         | 4.14%           | 0.581%        |
| 7         | 3.117       | 642           | 646         | 653          | rBV4     | 729            | 817           | 0.06%           | 0.008%        |
| 8         | 3.150       | 653           | 656         | 659          | rBV4     | 661            | 534           | 0.04%           | 0.006%        |
| 9         | 3.478       | 752           | 758         | 762          | rBV2     | 313            | 314           | 0.02%           | 0.003%        |
| 10        | 3.667       | 814           | 817         | 821          | rVB2     | 586            | 491           | 0.04%           | 0.005%        |
| 11        | 3.844       | 851           | 872         | 927          | rBV3     | 67084          | 379791        | 27.99%          | 3.929%        |
| 12        | 4.246       | 983           | 997         | 1027         | rBV      | 219167         | 568466        | 41.89%          | 5.881%        |
| 13        | 4.539       | 1085          | 1088        | 1091         | rBV5     | 412            | 345           | 0.03%           | 0.004%        |
| 14        | 4.709       | 1136          | 1141        | 1146         | rBV3     | 615            | 756           | 0.06%           | 0.008%        |
| 15        | 4.953       | 1202          | 1217        | 1261         | rBV2     | 517565         | 1357022       | 100.00%         | 14.039%       |
| 16        | 5.214       | 1295          | 1298        | 1300         | rBV3     | 473            | 339           | 0.02%           | 0.004%        |
| 17        | 5.272       | 1313          | 1316        | 1320         | rBV6     | 625            | 543           | 0.04%           | 0.006%        |
| 18        | 5.297       | 1320          | 1324        | 1327         | rBV5     | 691            | 728           | 0.05%           | 0.008%        |
| 19        | 5.378       | 1343          | 1349        | 1353         | rBV7     | 1231           | 1491          | 0.11%           | 0.015%        |
| 20        | 5.532       | 1387          | 1397        | 1444         | rBV      | 415268         | 883859        | 65.13%          | 9.144%        |
| 21        | 5.828       | 1480          | 1489        | 1512         | rVB2     | 22999          | 52157         | 3.84%           | 0.540%        |
| 22        | 5.989       | 1525          | 1539        | 1577         | rBV      | 298206         | 637082        | 46.95%          | 6.591%        |
| 23        | 6.384       | 1660          | 1662        | 1666         | rVB3     | 858            | 496           | 0.04%           | 0.005%        |
| 24        | 6.420       | 1666          | 1673        | 1676         | rVB4     | 730            | 725           | 0.05%           | 0.008%        |
| 25        | 6.510       | 1697          | 1701        | 1704         | rBV3     | 473            | 424           | 0.03%           | 0.004%        |
| 26        | 6.529       | 1704          | 1707        | 1710         | rBV3     | 529            | 371           | 0.03%           | 0.004%        |
| 27        | 6.551       | 1710          | 1714        | 1718         | rVV4     | 466            | 522           | 0.04%           | 0.005%        |
| 28        | 6.584       | 1718          | 1724        | 1726         | rBV2     | 741            | 632           | 0.05%           | 0.007%        |
| 29        | 6.616       | 1731          | 1734        | 1739         | rVB4     | 714            | 542           | 0.04%           | 0.006%        |
| 30        | 6.690       | 1754          | 1757        | 1758         | rBV2     | 765            | 460           | 0.03%           | 0.005%        |
| 31        | 6.793       | 1784          | 1789        | 1793         | rVB2     | 328            | 320           | 0.02%           | 0.003%        |
| 32        | 6.915       | 1817          | 1827        | 1858         | rBV      | 120027         | 240739        | 17.74%          | 2.491%        |
| 33        | 7.243       | 1918          | 1929        | 1969         | rBV      | 520813         | 944174        | 69.58%          | 9.768%        |
| 34        | 7.555       | 2017          | 2026        | 2059         | rBV      | 78564          | 158436        | 11.68%          | 1.639%        |
| 35        | 7.789       | 2096          | 2099        | 2101         | rBV4     | 533            | 380           | 0.03%           | 0.004%        |
| 36        | 7.876       | 2116          | 2126        | 2136         | rVV2     | 13709          | 23413         | 1.73%           | 0.242%        |

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 Sample : P2577-07  
 Misc : 6.08g/10.0mL/MSVOA\_V/SOIL/VIAL A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHBN5

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

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 37 | 8.034  | 2165 | 2175 | 2221 | rBV2 | 98022  | 258086  | 19.02% | 2.670%  |
| 38 | 8.362  | 2269 | 2277 | 2299 | rVB  | 20667  | 37455   | 2.76%  | 0.387%  |
| 39 | 8.445  | 2300 | 2303 | 2307 | rVB5 | 865    | 766     | 0.06%  | 0.008%  |
| 40 | 8.468  | 2307 | 2310 | 2312 | rBV2 | 635    | 392     | 0.03%  | 0.004%  |
| 41 | 8.538  | 2329 | 2332 | 2335 | rVB3 | 691    | 428     | 0.03%  | 0.004%  |
| 42 | 8.558  | 2335 | 2338 | 2344 | rBV5 | 675    | 596     | 0.04%  | 0.006%  |
| 43 | 8.603  | 2346 | 2352 | 2357 | rBV5 | 1095   | 1142    | 0.08%  | 0.012%  |
| 44 | 8.715  | 2384 | 2387 | 2390 | rBV2 | 540    | 331     | 0.02%  | 0.003%  |
| 45 | 8.783  | 2397 | 2408 | 2440 | rBV  | 597583 | 1025037 | 75.54% | 10.604% |
| 46 | 8.973  | 2464 | 2467 | 2473 | rVB5 | 657    | 484     | 0.04%  | 0.005%  |
| 47 | 9.046  | 2488 | 2490 | 2494 | rVB2 | 520    | 323     | 0.02%  | 0.003%  |
| 48 | 9.075  | 2494 | 2499 | 2503 | rBV4 | 606    | 556     | 0.04%  | 0.006%  |
| 49 | 9.583  | 2654 | 2657 | 2661 | rVV3 | 478    | 340     | 0.03%  | 0.004%  |
| 50 | 9.796  | 2718 | 2723 | 2728 | rVB2 | 731    | 701     | 0.05%  | 0.007%  |
| 51 | 9.837  | 2728 | 2736 | 2746 | rBV8 | 1363   | 2209    | 0.16%  | 0.023%  |
| 52 | 9.953  | 2767 | 2772 | 2776 | rVB4 | 597    | 404     | 0.03%  | 0.004%  |
| 53 | 10.059 | 2800 | 2805 | 2814 | rVB4 | 983    | 1381    | 0.10%  | 0.014%  |
| 54 | 10.153 | 2822 | 2834 | 2862 | rBV  | 264977 | 430312  | 31.71% | 4.452%  |
| 55 | 10.249 | 2862 | 2864 | 2867 | rVB4 | 562    | 318     | 0.02%  | 0.003%  |
| 56 | 10.323 | 2875 | 2887 | 2899 | rBV  | 29919  | 48227   | 3.55%  | 0.499%  |
| 57 | 10.509 | 2942 | 2945 | 2948 | rVV2 | 621    | 534     | 0.04%  | 0.006%  |
| 58 | 10.526 | 2948 | 2950 | 2956 | rVB3 | 665    | 612     | 0.05%  | 0.006%  |
| 59 | 10.596 | 2969 | 2972 | 2976 | rBV3 | 403    | 343     | 0.03%  | 0.004%  |
| 60 | 10.657 | 2987 | 2991 | 2999 | rVB3 | 546    | 781     | 0.06%  | 0.008%  |
| 61 | 10.715 | 3004 | 3009 | 3011 | rBV  | 715    | 619     | 0.05%  | 0.006%  |
| 62 | 10.751 | 3014 | 3020 | 3025 | rVV6 | 1415   | 1630    | 0.12%  | 0.017%  |
| 63 | 10.773 | 3025 | 3027 | 3030 | rVB2 | 691    | 377     | 0.03%  | 0.004%  |
| 64 | 10.853 | 3047 | 3052 | 3060 | rVB3 | 2565   | 3149    | 0.23%  | 0.033%  |
| 65 | 10.976 | 3081 | 3090 | 3097 | rVB5 | 1172   | 1702    | 0.13%  | 0.018%  |
| 66 | 11.082 | 3115 | 3123 | 3133 | rBV7 | 6133   | 10034   | 0.74%  | 0.104%  |
| 67 | 11.130 | 3133 | 3138 | 3143 | rBV5 | 1147   | 1176    | 0.09%  | 0.012%  |
| 68 | 11.185 | 3145 | 3155 | 3177 | rBV  | 422964 | 674742  | 49.72% | 6.980%  |
| 69 | 11.493 | 3249 | 3251 | 3254 | rBV3 | 755    | 564     | 0.04%  | 0.006%  |
| 70 | 11.561 | 3260 | 3272 | 3290 | rBV  | 355791 | 590415  | 43.51% | 6.108%  |
| 71 | 11.776 | 3334 | 3339 | 3341 | rBV4 | 2150   | 2211    | 0.16%  | 0.023%  |
| 72 | 11.844 | 3357 | 3360 | 3362 | rBV3 | 1115   | 642     | 0.05%  | 0.007%  |
| 73 | 11.927 | 3380 | 3386 | 3396 | rVB9 | 1120   | 2043    | 0.15%  | 0.021%  |
| 74 | 12.017 | 3410 | 3414 | 3415 | rBV2 | 769    | 482     | 0.04%  | 0.005%  |
| 75 | 12.079 | 3430 | 3433 | 3436 | rBV3 | 408    | 326     | 0.02%  | 0.003%  |
| 76 | 12.194 | 3457 | 3469 | 3479 | rBV2 | 17238  | 28304   | 2.09%  | 0.293%  |

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 Sample : P2577-07  
 Misc : 6.08g/10.0mL/MSVOA\_V/SOIL/VIAL A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHBN5

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  | 12.320 | 3505 | 3508 | 3510 | rBV2 | 538   | 362   | 0.03% | 0.004% |
| 78  | 12.358 | 3514 | 3520 | 3523 | rBV5 | 966   | 1136  | 0.08% | 0.012% |
| 79  | 12.406 | 3532 | 3535 | 3542 | rBV5 | 792   | 801   | 0.06% | 0.008% |
| 80  | 12.445 | 3542 | 3547 | 3550 | rBV3 | 678   | 599   | 0.04% | 0.006% |
| 81  | 12.525 | 3569 | 3572 | 3573 | rBV2 | 722   | 342   | 0.03% | 0.004% |
| 82  | 12.538 | 3574 | 3576 | 3580 | rVB3 | 1285  | 859   | 0.06% | 0.009% |
| 83  | 12.561 | 3580 | 3583 | 3585 | rBV2 | 553   | 386   | 0.03% | 0.004% |
| 84  | 12.577 | 3585 | 3588 | 3589 | rBV2 | 803   | 445   | 0.03% | 0.005% |
| 85  | 12.699 | 3621 | 3626 | 3631 | rBV3 | 389   | 417   | 0.03% | 0.004% |
| 86  | 12.828 | 3660 | 3666 | 3674 | rVV4 | 4396  | 5877  | 0.43% | 0.061% |
| 87  | 12.895 | 3684 | 3687 | 3690 | rBV3 | 477   | 411   | 0.03% | 0.004% |
| 88  | 13.075 | 3738 | 3743 | 3752 | rVB4 | 1097  | 1567  | 0.12% | 0.016% |
| 89  | 13.214 | 3784 | 3786 | 3789 | rBV2 | 595   | 327   | 0.02% | 0.003% |
| 90  | 13.239 | 3792 | 3794 | 3799 | rVB3 | 594   | 500   | 0.04% | 0.005% |
| 91  | 13.278 | 3801 | 3806 | 3808 | rBV4 | 497   | 444   | 0.03% | 0.005% |
| 92  | 13.554 | 3890 | 3892 | 3895 | rVB2 | 723   | 384   | 0.03% | 0.004% |
| 93  | 13.683 | 3921 | 3932 | 3945 | rVB2 | 46930 | 68926 | 5.08% | 0.713% |
| 94  | 13.744 | 3947 | 3951 | 3953 | rBV3 | 467   | 324   | 0.02% | 0.003% |
| 95  | 13.905 | 3997 | 4001 | 4002 | rBV3 | 694   | 419   | 0.03% | 0.004% |
| 96  | 13.982 | 4020 | 4025 | 4035 | rVB6 | 2349  | 4526  | 0.33% | 0.047% |
| 97  | 14.082 | 4052 | 4056 | 4060 | rBV4 | 1232  | 1381  | 0.10% | 0.014% |
| 98  | 14.783 | 4270 | 4274 | 4275 | rBV2 | 1555  | 1145  | 0.08% | 0.012% |
| 99  | 14.950 | 4324 | 4326 | 4328 | rBV3 | 633   | 335   | 0.02% | 0.003% |
| 100 | 15.011 | 4342 | 4345 | 4351 | rVB3 | 919   | 777   | 0.06% | 0.008% |

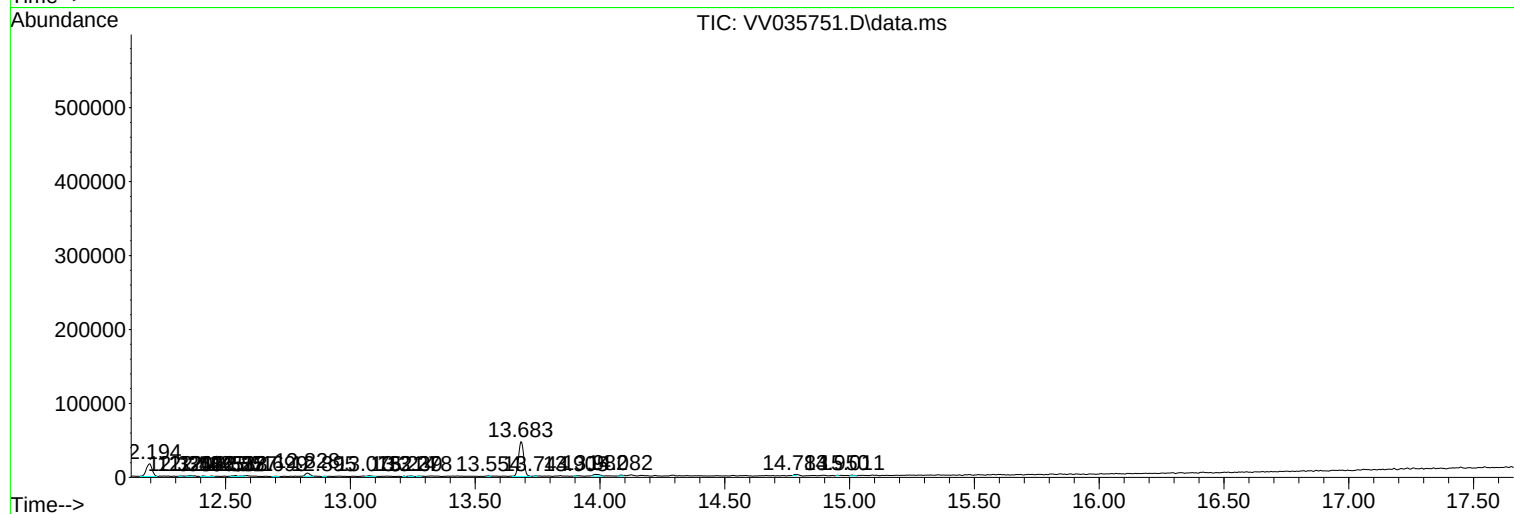
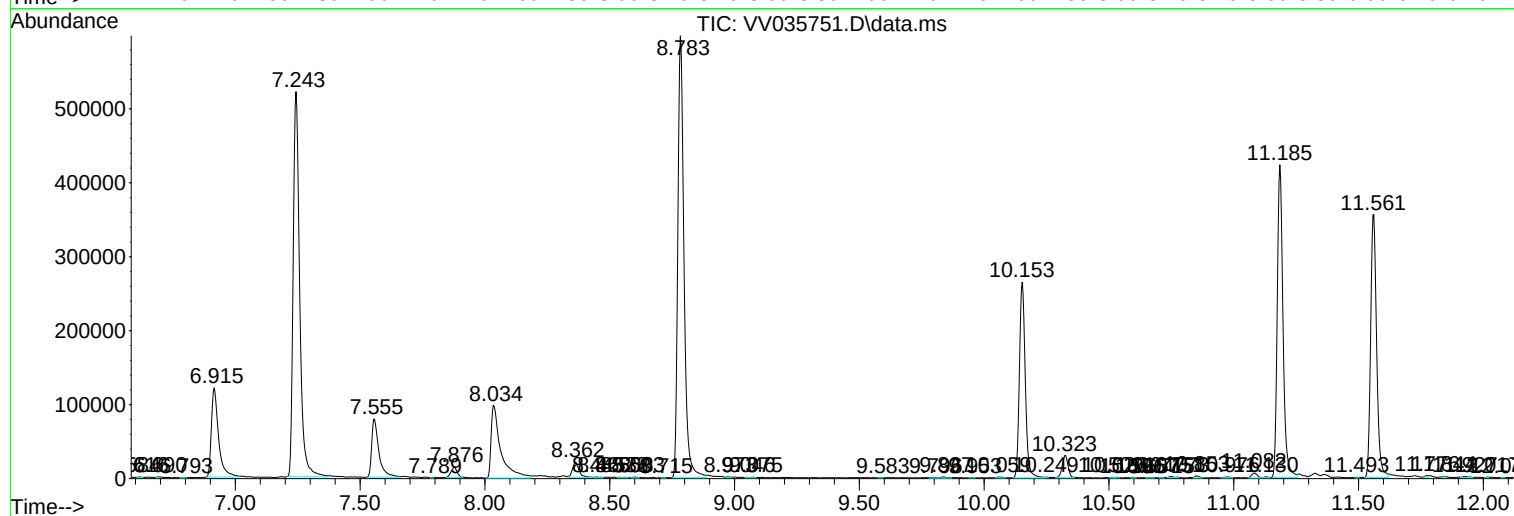
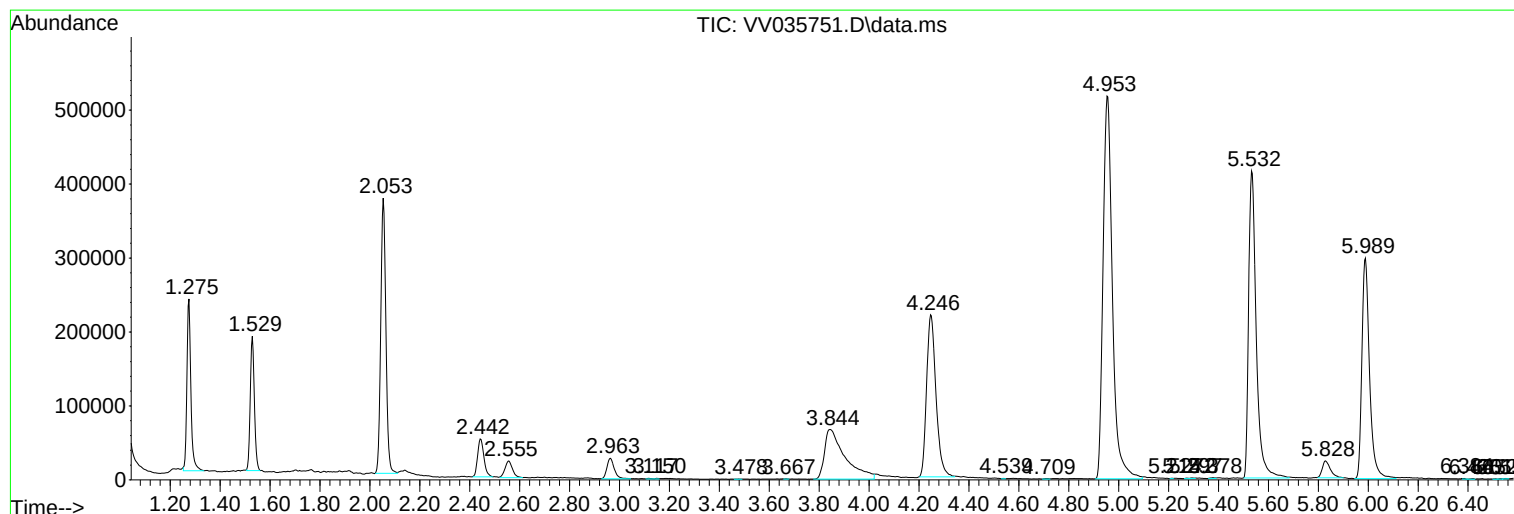
Sum of corrected areas: 9666150

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052424\  
Data File : VV035751.D  
Acq On : 24 May 2024 16:55  
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Sample : P2577-07  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
BHBN5

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052424\  
Data File : VV035751.D  
Acq On : 24 May 2024 16:55  
Operator : SY/MD  
Sample : P2577-07  
Misc : 6.08g/10.0mL/MSVOA\_V/SOIL/VIAL A  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
BHBNS

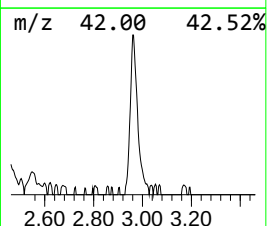
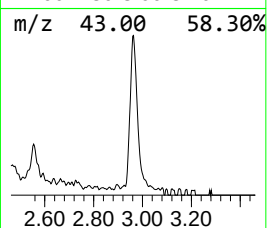
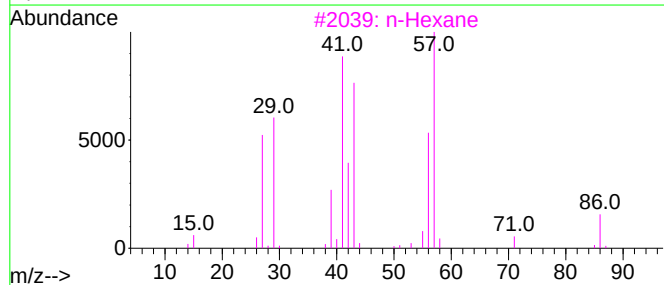
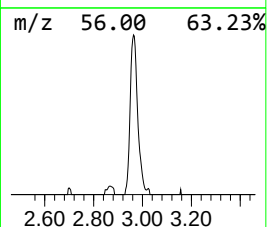
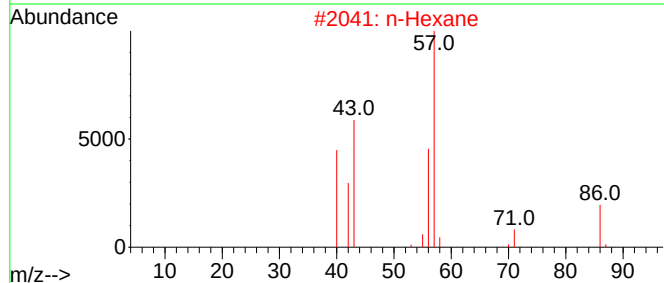
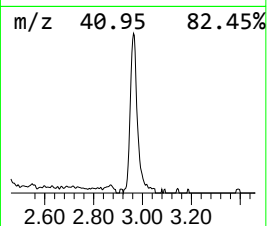
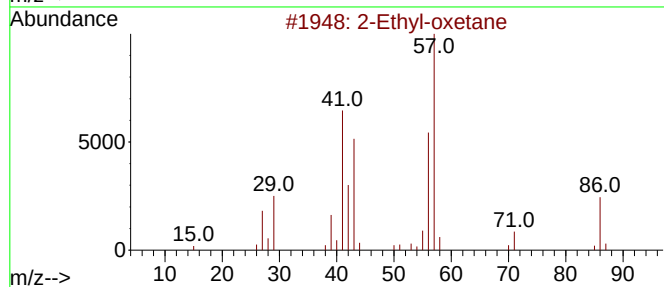
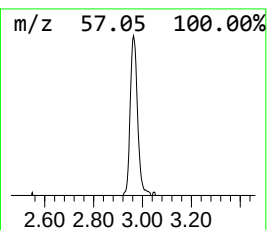
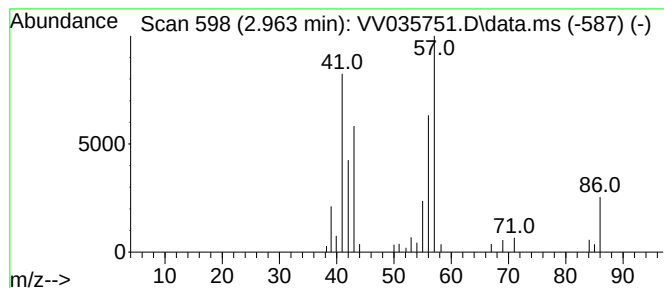
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

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Peak Number 2 2-Ethyl-oxetane Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.963 | 1.59 ug/L | 56129 | 1,4-Difluorobenzene | 5.532 |

| Hit# | of                   | 5 | Tentative ID | MW | MolForm | CAS#         | Qual |
|------|----------------------|---|--------------|----|---------|--------------|------|
| 1    | 2-Ethyl-oxetane      |   |              | 86 | C5H10O  | 1010386-40-2 | 80   |
| 2    | n-Hexane             |   |              | 86 | C6H14   | 000110-54-3  | 53   |
| 3    | n-Hexane             |   |              | 86 | C6H14   | 000110-54-3  | 50   |
| 4    | n-Hexane             |   |              | 86 | C6H14   | 000110-54-3  | 42   |
| 5    | 1-Pentene, 4-methyl- |   |              | 84 | C6H12   | 000691-37-2  | 40   |



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ALS Vial : 22 Sample Multiplier: 1

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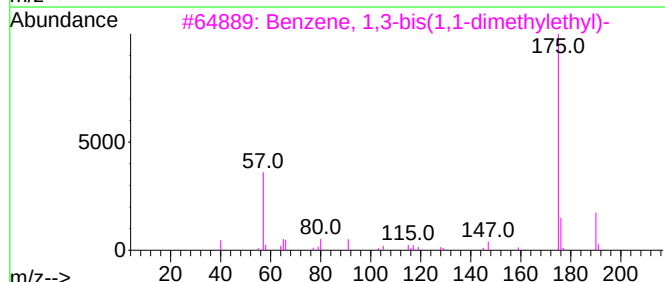
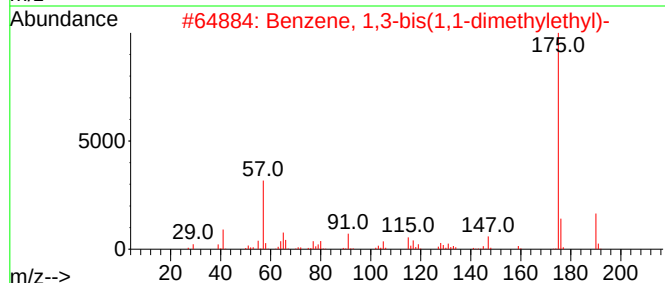
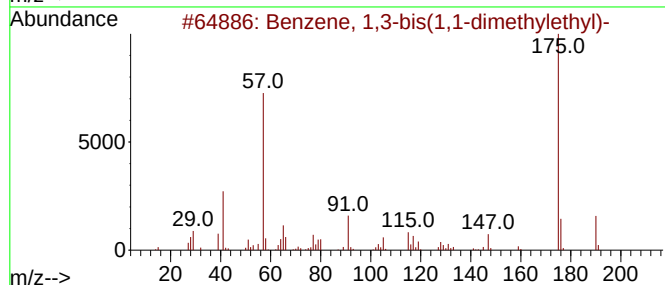
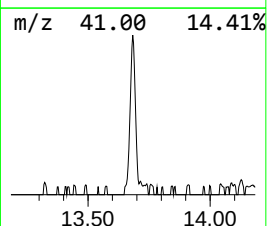
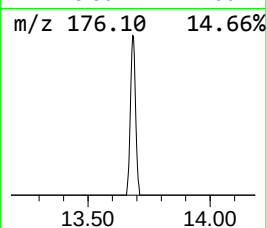
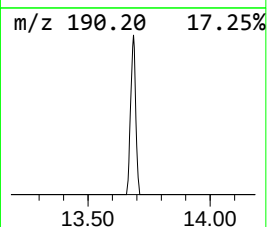
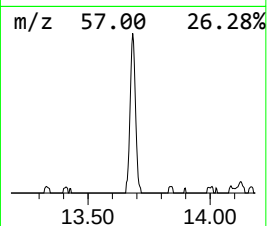
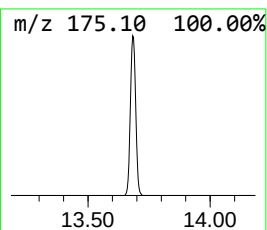
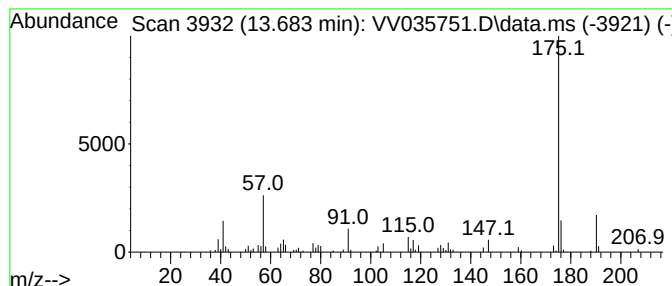
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

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Peak Number 6 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.683 | 2.55 ug/L | 68926 | 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 | 95   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 94   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 90   |
| 4    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 83   |
| 5    |    |   | Benzenepropanal, 4-(1,1-dimethyl... | 190 | C13H18O | 018127-01-0 | 80   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052424\  
Data File : VV035751.D  
Acq On : 24 May 2024 16:55  
Operator : SY/MD  
Sample : P2577-07  
Misc : 6.08g/10.0mL/MSVOA\_V/SOIL/VIAL A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHBN5

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Ethyl-oxetane    | 2.963  | 1.6     | ug/L  | 56129    | 1                     | 5.532  | 883859 | 25.0 |
| Benzene, 1,3-bi... | 13.683 | 2.5     | ug/L  | 68926    | 3                     | 11.185 | 674742 | 25.0 |