

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052324\  
 Data File : VV035703.D  
 Acq On : 23 May 2024 14:56  
 Operator : SY/MD  
 Sample : P2568-18  
 Misc : 5.62g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH638

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: VV035708.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          | 87           | rVB      | 196901         | 208891        | 12.66%          | 1.896%        |
| 2         | 1.526       | 144           | 151         | 166          | rVB      | 185896         | 220374        | 13.35%          | 2.000%        |
| 3         | 2.050       | 305           | 314         | 336          | rVB      | 351259         | 516501        | 31.30%          | 4.687%        |
| 4         | 2.362       | 405           | 411         | 413          | rBV3     | 4414           | 5237          | 0.32%           | 0.048%        |
| 5         | 2.442       | 425           | 436         | 454          | rVB      | 147346         | 251791        | 15.26%          | 2.285%        |
| 6         | 2.555       | 461           | 471         | 488          | rVB2     | 19418          | 40250         | 2.44%           | 0.365%        |
| 7         | 2.963       | 587           | 598         | 617          | rVV3     | 20540          | 42139         | 2.55%           | 0.382%        |
| 8         | 3.272       | 690           | 694         | 699          | rVB2     | 457            | 387           | 0.02%           | 0.004%        |
| 9         | 3.410       | 732           | 737         | 740          | rBV2     | 387            | 349           | 0.02%           | 0.003%        |
| 10        | 3.513       | 764           | 769         | 775          | rVV2     | 254            | 323           | 0.02%           | 0.003%        |
| 11        | 3.712       | 830           | 831         | 836          | rVB2     | 336            | 228           | 0.01%           | 0.002%        |
| 12        | 3.744       | 836           | 841         | 844          | rBV2     | 388            | 367           | 0.02%           | 0.003%        |
| 13        | 3.841       | 850           | 871         | 911          | rBV3     | 55899          | 296577        | 17.97%          | 2.691%        |
| 14        | 4.243       | 981           | 996         | 1030         | rBV      | 290187         | 761114        | 46.12%          | 6.907%        |
| 15        | 4.638       | 1117          | 1119        | 1122         | rVB3     | 491            | 287           | 0.02%           | 0.003%        |
| 16        | 4.732       | 1144          | 1148        | 1152         | rVB4     | 596            | 468           | 0.03%           | 0.004%        |
| 17        | 4.757       | 1152          | 1156        | 1159         | rBV2     | 278            | 238           | 0.01%           | 0.002%        |
| 18        | 4.780       | 1160          | 1163        | 1167         | rVB3     | 511            | 372           | 0.02%           | 0.003%        |
| 19        | 4.828       | 1174          | 1178        | 1183         | rVB3     | 773            | 646           | 0.04%           | 0.006%        |
| 20        | 4.847       | 1183          | 1184        | 1190         | rVB2     | 297            | 238           | 0.01%           | 0.002%        |
| 21        | 4.879       | 1190          | 1194        | 1199         | rBV2     | 776            | 765           | 0.05%           | 0.007%        |
| 22        | 4.950       | 1201          | 1216        | 1255         | rBV2     | 624598         | 1650367       | 100.00%         | 14.976%       |
| 23        | 5.175       | 1285          | 1286        | 1291         | rBV2     | 778            | 628           | 0.04%           | 0.006%        |
| 24        | 5.532       | 1386          | 1397        | 1435         | rBV      | 413862         | 878639        | 53.24%          | 7.973%        |
| 25        | 5.825       | 1477          | 1488        | 1516         | rVB2     | 37002          | 82136         | 4.98%           | 0.745%        |
| 26        | 5.986       | 1524          | 1538        | 1570         | rBV      | 402646         | 854774        | 51.79%          | 7.756%        |
| 27        | 6.285       | 1628          | 1631        | 1637         | rVB3     | 779            | 670           | 0.04%           | 0.006%        |
| 28        | 6.381       | 1658          | 1661        | 1668         | rBV4     | 364            | 357           | 0.02%           | 0.003%        |
| 29        | 6.410       | 1668          | 1670        | 1674         | rBV5     | 325            | 244           | 0.01%           | 0.002%        |
| 30        | 6.481       | 1689          | 1692        | 1695         | rBV3     | 546            | 334           | 0.02%           | 0.003%        |
| 31        | 6.844       | 1803          | 1805        | 1811         | rVB3     | 498            | 304           | 0.02%           | 0.003%        |
| 32        | 6.915       | 1817          | 1827        | 1852         | rBV      | 123743         | 247427        | 14.99%          | 2.245%        |
| 33        | 7.243       | 1917          | 1929        | 1961         | rBV      | 603462         | 1103160       | 66.84%          | 10.010%       |
| 34        | 7.555       | 2017          | 2026        | 2055         | rBV      | 83251          | 163868        | 9.93%           | 1.487%        |
| 35        | 7.873       | 2116          | 2125        | 2142         | rVB3     | 7909           | 14454         | 0.88%           | 0.131%        |
| 36        | 7.973       | 2153          | 2156        | 2159         | rBV3     | 369            | 269           | 0.02%           | 0.002%        |

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 MSVOA\_V  
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 BH638

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

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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 | 8.037  | 2167 | 2176 | 2211 | rBV2 | 82516  | 225748  | 13.68% | 2.049% |
| 38 | 8.362  | 2269 | 2277 | 2287 | rBV3 | 10262  | 17566   | 1.06%  | 0.159% |
| 39 | 8.461  | 2303 | 2308 | 2312 | rBV3 | 738    | 735     | 0.04%  | 0.007% |
| 40 | 8.513  | 2316 | 2324 | 2328 | rBV5 | 838    | 1290    | 0.08%  | 0.012% |
| 41 | 8.612  | 2353 | 2355 | 2359 | rBV3 | 358    | 243     | 0.01%  | 0.002% |
| 42 | 8.735  | 2389 | 2393 | 2396 | rBV3 | 483    | 349     | 0.02%  | 0.003% |
| 43 | 8.783  | 2396 | 2408 | 2438 | rBV  | 631665 | 1058521 | 64.14% | 9.605% |
| 44 | 9.027  | 2481 | 2484 | 2485 | rBV  | 457    | 238     | 0.01%  | 0.002% |
| 45 | 9.053  | 2489 | 2492 | 2495 | rBV2 | 520    | 335     | 0.02%  | 0.003% |
| 46 | 9.085  | 2500 | 2502 | 2503 | rBV2 | 663    | 271     | 0.02%  | 0.002% |
| 47 | 9.111  | 2507 | 2510 | 2512 | rBV  | 544    | 329     | 0.02%  | 0.003% |
| 48 | 9.201  | 2536 | 2538 | 2544 | rVB4 | 432    | 329     | 0.02%  | 0.003% |
| 49 | 9.230  | 2544 | 2547 | 2548 | rBV  | 470    | 272     | 0.02%  | 0.002% |
| 50 | 9.297  | 2565 | 2568 | 2571 | rBV2 | 348    | 246     | 0.01%  | 0.002% |
| 51 | 9.368  | 2586 | 2590 | 2596 | rVB4 | 392    | 463     | 0.03%  | 0.004% |
| 52 | 9.452  | 2614 | 2616 | 2620 | rVB3 | 502    | 345     | 0.02%  | 0.003% |
| 53 | 9.471  | 2620 | 2622 | 2628 | rBV4 | 268    | 242     | 0.01%  | 0.002% |
| 54 | 9.526  | 2632 | 2639 | 2645 | rVB3 | 549    | 782     | 0.05%  | 0.007% |
| 55 | 9.558  | 2645 | 2649 | 2651 | rBV2 | 469    | 301     | 0.02%  | 0.003% |
| 56 | 9.619  | 2665 | 2668 | 2671 | rBV2 | 676    | 388     | 0.02%  | 0.004% |
| 57 | 9.664  | 2676 | 2682 | 2684 | rBV3 | 591    | 557     | 0.03%  | 0.005% |
| 58 | 9.693  | 2688 | 2691 | 2694 | rBV2 | 410    | 270     | 0.02%  | 0.002% |
| 59 | 9.706  | 2694 | 2695 | 2699 | rVB3 | 410    | 233     | 0.01%  | 0.002% |
| 60 | 9.728  | 2699 | 2702 | 2704 | rBV2 | 425    | 312     | 0.02%  | 0.003% |
| 61 | 9.767  | 2711 | 2714 | 2717 | rVB2 | 336    | 234     | 0.01%  | 0.002% |
| 62 | 9.825  | 2728 | 2732 | 2733 | rBV3 | 391    | 245     | 0.01%  | 0.002% |
| 63 | 9.899  | 2750 | 2755 | 2757 | rBV3 | 429    | 353     | 0.02%  | 0.003% |
| 64 | 10.153 | 2819 | 2834 | 2856 | rBV  | 379108 | 612684  | 37.12% | 5.560% |
| 65 | 10.323 | 2878 | 2887 | 2900 | rVB  | 16042  | 25322   | 1.53%  | 0.230% |
| 66 | 10.419 | 2915 | 2917 | 2921 | rVB3 | 457    | 319     | 0.02%  | 0.003% |
| 67 | 10.535 | 2951 | 2953 | 2959 | rVB  | 421    | 318     | 0.02%  | 0.003% |
| 68 | 10.841 | 3044 | 3048 | 3049 | rBV2 | 362    | 278     | 0.02%  | 0.003% |
| 69 | 10.850 | 3049 | 3051 | 3061 | rVB4 | 1102   | 1175    | 0.07%  | 0.011% |
| 70 | 10.927 | 3069 | 3075 | 3078 | rBV2 | 654    | 717     | 0.04%  | 0.007% |
| 71 | 10.966 | 3084 | 3087 | 3088 | rBV2 | 630    | 369     | 0.02%  | 0.003% |
| 72 | 11.075 | 3115 | 3121 | 3132 | rBV6 | 2015   | 2930    | 0.18%  | 0.027% |
| 73 | 11.140 | 3138 | 3141 | 3144 | rVB4 | 492    | 301     | 0.02%  | 0.003% |
| 74 | 11.185 | 3144 | 3155 | 3177 | rBV  | 475126 | 754272  | 45.70% | 6.845% |
| 75 | 11.323 | 3193 | 3198 | 3205 | rBV7 | 1410   | 2074    | 0.13%  | 0.019% |
| 76 | 11.558 | 3259 | 3271 | 3298 | rBV  | 550605 | 893383  | 54.13% | 8.107% |

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 MSVOA\_V  
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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  | 11.718 | 3319 | 3321 | 3324 | rBV3 | 624   | 227   | 0.01% | 0.002% |
| 78  | 11.847 | 3359 | 3361 | 3364 | rBV2 | 429   | 244   | 0.01% | 0.002% |
| 79  | 12.075 | 3429 | 3432 | 3440 | rBV3 | 395   | 540   | 0.03% | 0.005% |
| 80  | 12.194 | 3459 | 3469 | 3480 | rVB3 | 10697 | 17576 | 1.06% | 0.159% |
| 81  | 12.496 | 3561 | 3563 | 3567 | rBV2 | 303   | 249   | 0.02% | 0.002% |
| 82  | 12.519 | 3567 | 3570 | 3572 | rVV3 | 492   | 236   | 0.01% | 0.002% |
| 83  | 12.535 | 3572 | 3575 | 3579 | rVV3 | 645   | 543   | 0.03% | 0.005% |
| 84  | 12.577 | 3584 | 3588 | 3590 | rBV3 | 878   | 677   | 0.04% | 0.006% |
| 85  | 12.786 | 3651 | 3653 | 3656 | rBV2 | 369   | 266   | 0.02% | 0.002% |
| 86  | 12.834 | 3662 | 3668 | 3674 | rVB6 | 1931  | 2497  | 0.15% | 0.023% |
| 87  | 12.892 | 3683 | 3686 | 3689 | rBV2 | 429   | 243   | 0.01% | 0.002% |
| 88  | 13.030 | 3724 | 3729 | 3731 | rBV2 | 501   | 500   | 0.03% | 0.005% |
| 89  | 13.207 | 3779 | 3784 | 3785 | rBV2 | 671   | 475   | 0.03% | 0.004% |
| 90  | 13.400 | 3842 | 3844 | 3846 | rBV  | 461   | 249   | 0.02% | 0.002% |
| 91  | 13.429 | 3851 | 3853 | 3855 | rVB  | 515   | 225   | 0.01% | 0.002% |
| 92  | 13.448 | 3855 | 3859 | 3864 | rBV4 | 497   | 389   | 0.02% | 0.004% |
| 93  | 13.532 | 3880 | 3885 | 3890 | rBV4 | 555   | 654   | 0.04% | 0.006% |
| 94  | 13.593 | 3901 | 3904 | 3906 | rBV3 | 400   | 262   | 0.02% | 0.002% |
| 95  | 13.683 | 3922 | 3932 | 3943 | rVB  | 28023 | 41203 | 2.50% | 0.374% |
| 96  | 13.741 | 3947 | 3950 | 3953 | rBV3 | 638   | 411   | 0.02% | 0.004% |
| 97  | 13.905 | 3999 | 4001 | 4005 | rVB3 | 461   | 317   | 0.02% | 0.003% |
| 98  | 14.538 | 4196 | 4198 | 4201 | rBV2 | 693   | 431   | 0.03% | 0.004% |
| 99  | 14.628 | 4223 | 4226 | 4232 | rBV4 | 577   | 665   | 0.04% | 0.006% |
| 100 | 14.860 | 4295 | 4298 | 4301 | rBV  | 674   | 517   | 0.03% | 0.005% |

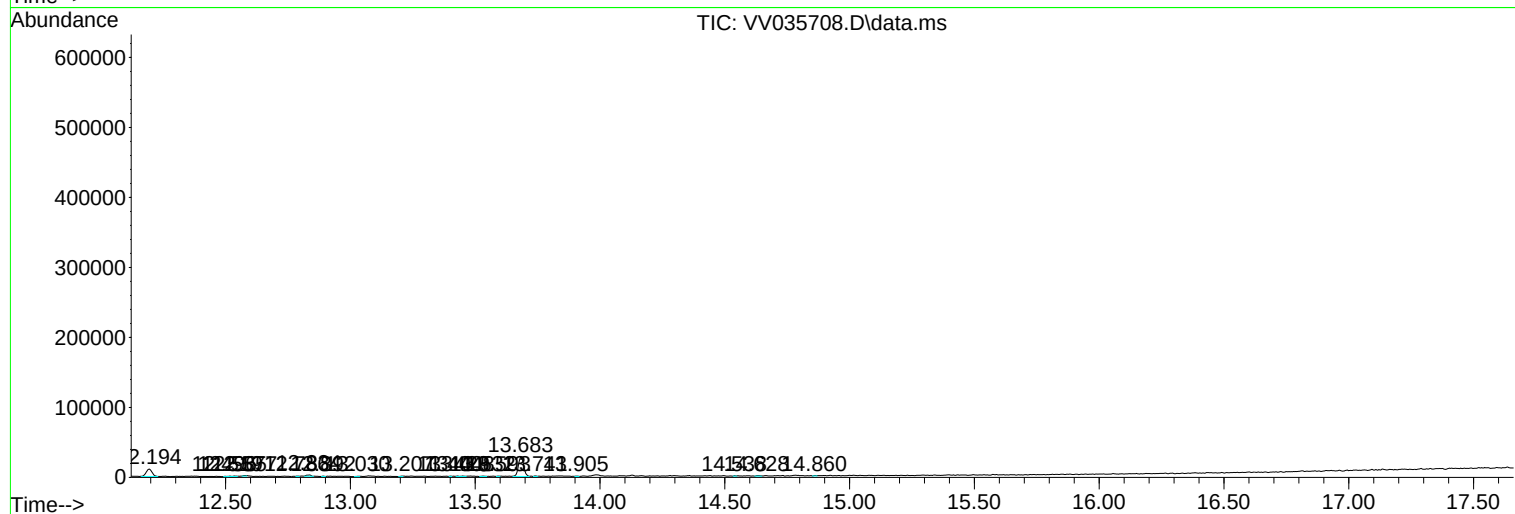
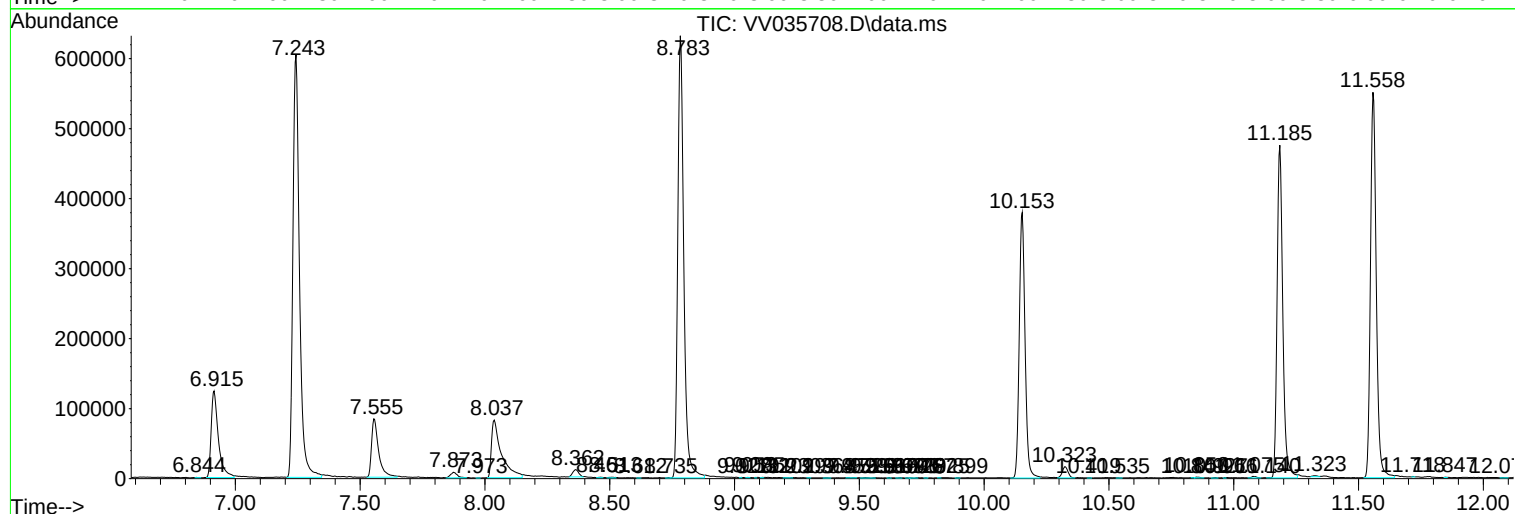
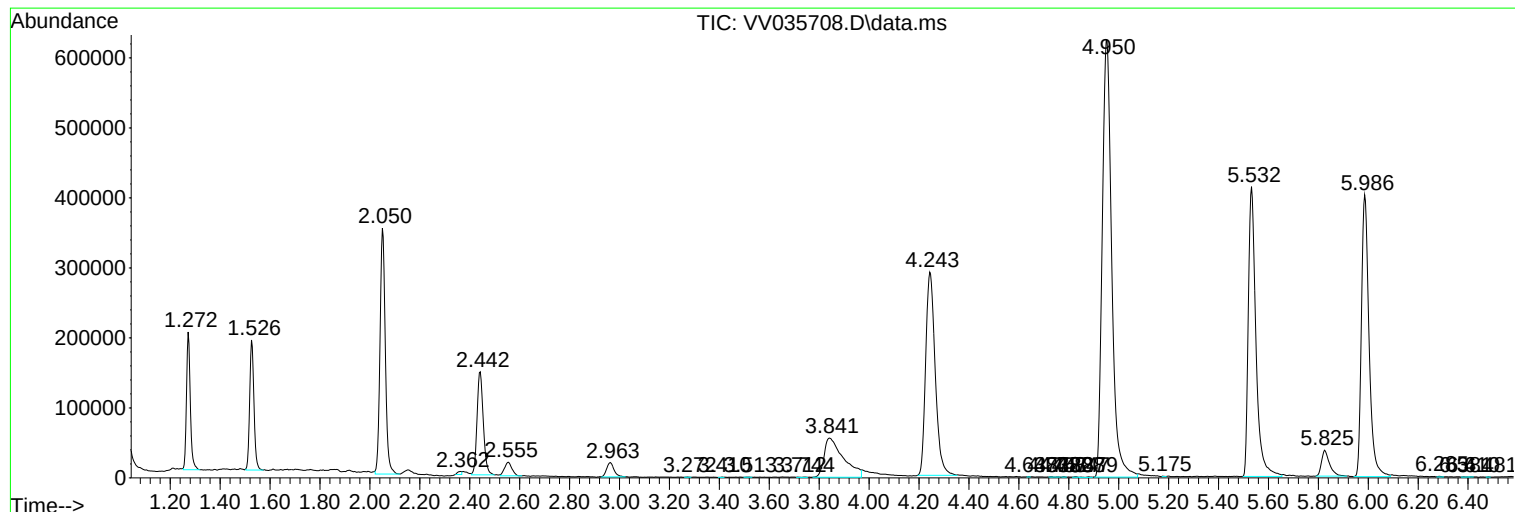
Sum of corrected areas: 11020108

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MSVOA\_V  
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BH638

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\VV052324\  
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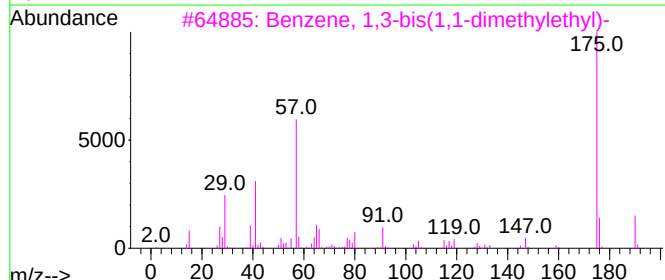
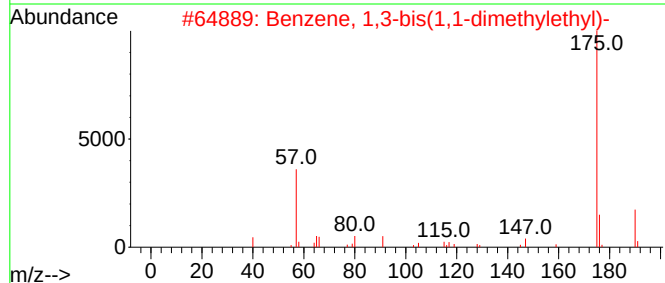
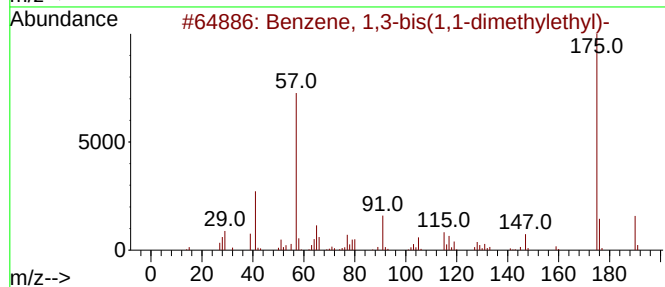
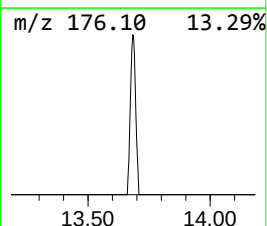
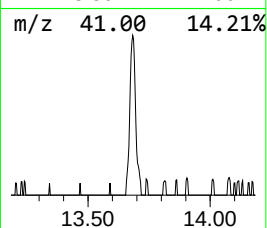
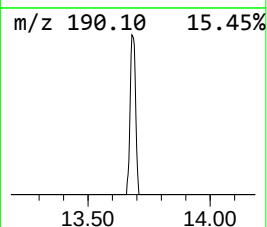
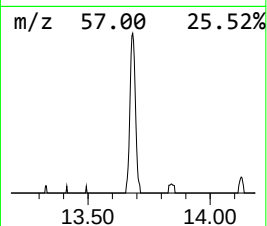
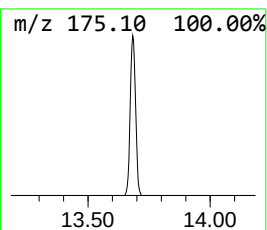
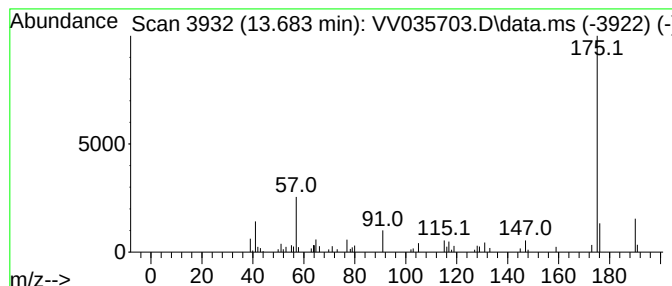
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis

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

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

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.683 | 1.37 ug/L | 41203 | 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 | 93   |
| 2    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 90   |
| 3    |    |   | Benzene, 1,3-bis(1,1-dimethyleth... | 190 | C14H22  | 001014-60-4 | 87   |
| 4    |    |   | Benzene, 1,4-bis(1,1-dimethyleth... | 190 | C14H22  | 001012-72-2 | 87   |
| 5    |    |   | Benzenepropanal, 4-(1,1-dimethyl... | 190 | C13H18O | 018127-01-0 | 86   |



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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 |
| Benzene, 1,3-bi... | 13.683 | 1.4     | ug/L  | 41203    | 3                     | 11.185 | 754272 | 25.0 |