

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
 Data File : VV014477.D  
 Acq On : 01 Feb 2020 02:08  
 Operator : SY/MD  
 Sample : L1323-14 10X  
 Misc : 5.10µ/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT52

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.322    | 65         | 72       | 82        | rVB   | 181031      | 175758     | 12.04%       | 1.469%     |
| 2      | 1.573    | 143        | 150      | 165       | rVB   | 103327      | 128206     | 8.79%        | 1.072%     |
| 3      | 2.129    | 313        | 323      | 337       | rBV   | 229072      | 327653     | 22.45%       | 2.739%     |
| 4      | 2.721    | 505        | 507      | 508       | rBV   | 597         | 284        | 0.02%        | 0.002%     |
| 5      | 2.798    | 528        | 531      | 535       | rBV3  | 508         | 253        | 0.02%        | 0.002%     |
| 6      | 2.878    | 554        | 556      | 560       | rBV3  | 490         | 319        | 0.02%        | 0.003%     |
| 7      | 2.907    | 563        | 565      | 568       | rBV2  | 559         | 278        | 0.02%        | 0.002%     |
| 8      | 2.965    | 579        | 583      | 585       | rBV3  | 446         | 350        | 0.02%        | 0.003%     |
| 9      | 3.071    | 612        | 616      | 617       | rBV2  | 409         | 294        | 0.02%        | 0.002%     |
| 10     | 3.116    | 628        | 630      | 632       | rBV4  | 631         | 339        | 0.02%        | 0.003%     |
| 11     | 3.161    | 640        | 644      | 647       | rBV2  | 568         | 431        | 0.03%        | 0.004%     |
| 12     | 3.177    | 647        | 649      | 654       | rVB5  | 764         | 551        | 0.04%        | 0.005%     |
| 13     | 3.258    | 671        | 674      | 680       | rVB5  | 615         | 545        | 0.04%        | 0.005%     |
| 14     | 3.315    | 687        | 692      | 695       | rBV3  | 647         | 504        | 0.03%        | 0.004%     |
| 15     | 3.418    | 720        | 724      | 726       | rBV4  | 425         | 309        | 0.02%        | 0.003%     |
| 16     | 3.467    | 736        | 739      | 740       | rBV2  | 507         | 281        | 0.02%        | 0.002%     |
| 17     | 3.733    | 819        | 822      | 825       | rBV   | 460         | 248        | 0.02%        | 0.002%     |
| 18     | 3.807    | 842        | 845      | 849       | rBV3  | 553         | 351        | 0.02%        | 0.003%     |
| 19     | 3.852    | 855        | 859      | 860       | rBV2  | 580         | 335        | 0.02%        | 0.003%     |
| 20     | 3.920    | 869        | 880      | 914       | rBV   | 118541      | 320965     | 21.99%       | 2.683%     |
| 21     | 4.396    | 1010       | 1028     | 1054      | rBV   | 225401      | 560401     | 38.40%       | 4.684%     |
| 22     | 4.592    | 1087       | 1089     | 1090      | rBV   | 631         | 238        | 0.02%        | 0.002%     |
| 23     | 4.688    | 1117       | 1119     | 1122      | rVV2  | 801         | 468        | 0.03%        | 0.004%     |
| 24     | 4.794    | 1149       | 1152     | 1158      | rBV4  | 486         | 447        | 0.03%        | 0.004%     |
| 25     | 4.823    | 1158       | 1161     | 1163      | rBV2  | 372         | 266        | 0.02%        | 0.002%     |
| 26     | 4.843    | 1166       | 1167     | 1170      | rBV   | 519         | 317        | 0.02%        | 0.003%     |
| 27     | 4.917    | 1186       | 1190     | 1193      | rBV3  | 646         | 511        | 0.04%        | 0.004%     |
| 28     | 5.090    | 1226       | 1244     | 1274      | rBV2  | 572982      | 1459332    | 100.00%      | 12.197%    |
| 29     | 5.573    | 1388       | 1394     | 1399      | rBV6  | 711         | 822        | 0.06%        | 0.007%     |
| 30     | 5.659    | 1407       | 1421     | 1448      | rBV   | 528193      | 1039523    | 71.23%       | 8.688%     |
| 31     | 5.868    | 1484       | 1486     | 1489      | rBV2  | 447         | 281        | 0.02%        | 0.002%     |
| 32     | 5.946    | 1498       | 1510     | 1526      | rBV3  | 20202       | 39942      | 2.74%        | 0.334%     |
| 33     | 6.052    | 1541       | 1543     | 1544      | rBV3  | 657         | 263        | 0.02%        | 0.002%     |
| 34     | 6.113    | 1548       | 1562     | 1590      | rVV   | 326448      | 660890     | 45.29%       | 5.524%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 35 | 6.347 | 1634 | 1635 | 1639 | rBV2 | 375    | 226     | 0.02%  | 0.002%  |
| 36 | 6.383 | 1643 | 1646 | 1647 | rBV2 | 827    | 350     | 0.02%  | 0.003%  |
| 37 | 6.425 | 1657 | 1659 | 1661 | rBV2 | 428    | 285     | 0.02%  | 0.002%  |
| 38 | 6.486 | 1676 | 1678 | 1681 | rVV2 | 581    | 322     | 0.02%  | 0.003%  |
| 39 | 6.505 | 1681 | 1684 | 1687 | rVB2 | 599    | 331     | 0.02%  | 0.003%  |
| 40 | 6.553 | 1697 | 1699 | 1702 | rVB2 | 676    | 404     | 0.03%  | 0.003%  |
| 41 | 6.585 | 1706 | 1709 | 1711 | rBV3 | 306    | 221     | 0.02%  | 0.002%  |
| 42 | 6.656 | 1725 | 1731 | 1733 | rBV5 | 870    | 801     | 0.05%  | 0.007%  |
| 43 | 6.685 | 1737 | 1740 | 1742 | rVV3 | 839    | 457     | 0.03%  | 0.004%  |
| 44 | 6.884 | 1799 | 1802 | 1808 | rVB3 | 705    | 552     | 0.04%  | 0.005%  |
| 45 | 6.955 | 1822 | 1824 | 1827 | rBV3 | 569    | 364     | 0.02%  | 0.003%  |
| 46 | 7.026 | 1834 | 1846 | 1871 | rBV  | 205028 | 363238  | 24.89% | 3.036%  |
| 47 | 7.232 | 1906 | 1910 | 1911 | rBV4 | 503    | 283     | 0.02%  | 0.002%  |
| 48 | 7.245 | 1911 | 1914 | 1917 | rBV2 | 663    | 424     | 0.03%  | 0.004%  |
| 49 | 7.354 | 1935 | 1948 | 1967 | rBV  | 710352 | 1242706 | 85.16% | 10.387% |
| 50 | 7.621 | 2028 | 2031 | 2032 | rBV4 | 651    | 387     | 0.03%  | 0.003%  |
| 51 | 7.659 | 2032 | 2043 | 2060 | rVV  | 144793 | 244687  | 16.77% | 2.045%  |
| 52 | 7.968 | 2136 | 2139 | 2140 | rBV2 | 656    | 446     | 0.03%  | 0.004%  |
| 53 | 8.125 | 2174 | 2188 | 2212 | rBV  | 420692 | 735159  | 50.38% | 6.144%  |
| 54 | 8.405 | 2273 | 2275 | 2278 | rVB2 | 664    | 325     | 0.02%  | 0.003%  |
| 55 | 8.550 | 2318 | 2320 | 2324 | rBV3 | 474    | 232     | 0.02%  | 0.002%  |
| 56 | 8.592 | 2330 | 2333 | 2335 | rBV2 | 500    | 272     | 0.02%  | 0.002%  |
| 57 | 8.646 | 2349 | 2350 | 2354 | rBV2 | 457    | 342     | 0.02%  | 0.003%  |
| 58 | 8.666 | 2354 | 2356 | 2360 | rVB3 | 782    | 427     | 0.03%  | 0.004%  |
| 59 | 8.785 | 2391 | 2393 | 2397 | rBV3 | 491    | 364     | 0.02%  | 0.003%  |
| 60 | 8.891 | 2412 | 2426 | 2449 | rBV  | 782344 | 1253263 | 85.88% | 10.475% |
| 61 | 9.116 | 2493 | 2496 | 2500 | rVB2 | 728    | 414     | 0.03%  | 0.003%  |
| 62 | 9.138 | 2500 | 2503 | 2506 | rVB3 | 544    | 315     | 0.02%  | 0.003%  |
| 63 | 9.170 | 2509 | 2513 | 2514 | rBV4 | 1772   | 1124    | 0.08%  | 0.009%  |
| 64 | 9.325 | 2559 | 2561 | 2567 | rVB5 | 627    | 389     | 0.03%  | 0.003%  |
| 65 | 9.360 | 2567 | 2572 | 2573 | rBV  | 512    | 364     | 0.02%  | 0.003%  |
| 66 | 9.447 | 2597 | 2599 | 2601 | rBV  | 530    | 324     | 0.02%  | 0.003%  |
| 67 | 9.492 | 2610 | 2613 | 2614 | rBV  | 654    | 276     | 0.02%  | 0.002%  |
| 68 | 9.511 | 2617 | 2619 | 2622 | rBV3 | 646    | 305     | 0.02%  | 0.003%  |
| 69 | 9.543 | 2627 | 2629 | 2633 | rBV2 | 365    | 292     | 0.02%  | 0.002%  |
| 70 | 9.659 | 2663 | 2665 | 2667 | rBV2 | 487    | 302     | 0.02%  | 0.003%  |
| 71 | 9.743 | 2686 | 2691 | 2693 | rBV2 | 513    | 484     | 0.03%  | 0.004%  |

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Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |         |
|-----|--------|------|------|------|------|--------|---------|--------|---------|
| 72  | 9.778  | 2698 | 2702 | 2705 | rBV3 | 604    | 445     | 0.03%  | 0.004%  |
| 73  | 9.807  | 2707 | 2711 | 2714 | rBV3 | 322    | 266     | 0.02%  | 0.002%  |
| 74  | 9.833  | 2717 | 2719 | 2721 | rBV2 | 650    | 245     | 0.02%  | 0.002%  |
| 75  | 9.965  | 2757 | 2760 | 2762 | rBV3 | 723    | 424     | 0.03%  | 0.004%  |
| 76  | 10.006 | 2769 | 2773 | 2774 | rBV  | 515    | 225     | 0.02%  | 0.002%  |
| 77  | 10.032 | 2779 | 2781 | 2784 | rVV3 | 822    | 475     | 0.03%  | 0.004%  |
| 78  | 10.064 | 2788 | 2791 | 2796 | rVB3 | 714    | 493     | 0.03%  | 0.004%  |
| 79  | 10.090 | 2796 | 2799 | 2800 | rBV2 | 537    | 262     | 0.02%  | 0.002%  |
| 80  | 10.116 | 2804 | 2807 | 2810 | rBV3 | 427    | 331     | 0.02%  | 0.003%  |
| 81  | 10.254 | 2838 | 2850 | 2868 | rBV  | 410972 | 647995  | 44.40% | 5.416%  |
| 82  | 10.431 | 2901 | 2905 | 2906 | rBV2 | 662    | 429     | 0.03%  | 0.004%  |
| 83  | 10.460 | 2912 | 2914 | 2917 | rVB2 | 729    | 391     | 0.03%  | 0.003%  |
| 84  | 10.473 | 2917 | 2918 | 2920 | rBV  | 551    | 275     | 0.02%  | 0.002%  |
| 85  | 10.550 | 2941 | 2942 | 2945 | rVB2 | 642    | 231     | 0.02%  | 0.002%  |
| 86  | 10.624 | 2960 | 2965 | 2970 | rBV4 | 960    | 1205    | 0.08%  | 0.010%  |
| 87  | 10.839 | 3030 | 3032 | 3035 | rBV2 | 393    | 226     | 0.02%  | 0.002%  |
| 88  | 10.955 | 3058 | 3068 | 3077 | rBV8 | 2108   | 4057    | 0.28%  | 0.034%  |
| 89  | 11.022 | 3086 | 3089 | 3100 | rVB8 | 2075   | 3317    | 0.23%  | 0.028%  |
| 90  | 11.077 | 3100 | 3106 | 3113 | rBV4 | 1333   | 1754    | 0.12%  | 0.015%  |
| 91  | 11.116 | 3116 | 3118 | 3120 | rBV3 | 560    | 256     | 0.02%  | 0.002%  |
| 92  | 11.186 | 3136 | 3140 | 3141 | rBV2 | 657    | 482     | 0.03%  | 0.004%  |
| 93  | 11.289 | 3156 | 3172 | 3194 | rBV  | 823365 | 1277773 | 87.56% | 10.680% |
| 94  | 11.482 | 3230 | 3232 | 3233 | rBV3 | 688    | 289     | 0.02%  | 0.002%  |
| 95  | 11.666 | 3275 | 3289 | 3316 | rBV  | 697763 | 1110152 | 76.07% | 9.279%  |
| 96  | 11.981 | 3383 | 3387 | 3389 | rBV2 | 592    | 358     | 0.02%  | 0.003%  |
| 97  | 12.112 | 3426 | 3428 | 3433 | rBV2 | 596    | 473     | 0.03%  | 0.004%  |
| 98  | 13.546 | 3864 | 3874 | 3894 | rVB  | 88161  | 146047  | 10.01% | 1.221%  |
| 99  | 14.678 | 4217 | 4226 | 4239 | rVB  | 84762  | 133111  | 9.12%  | 1.113%  |
| 100 | 14.862 | 4276 | 4283 | 4296 | rVB  | 36815  | 59204   | 4.06%  | 0.495%  |

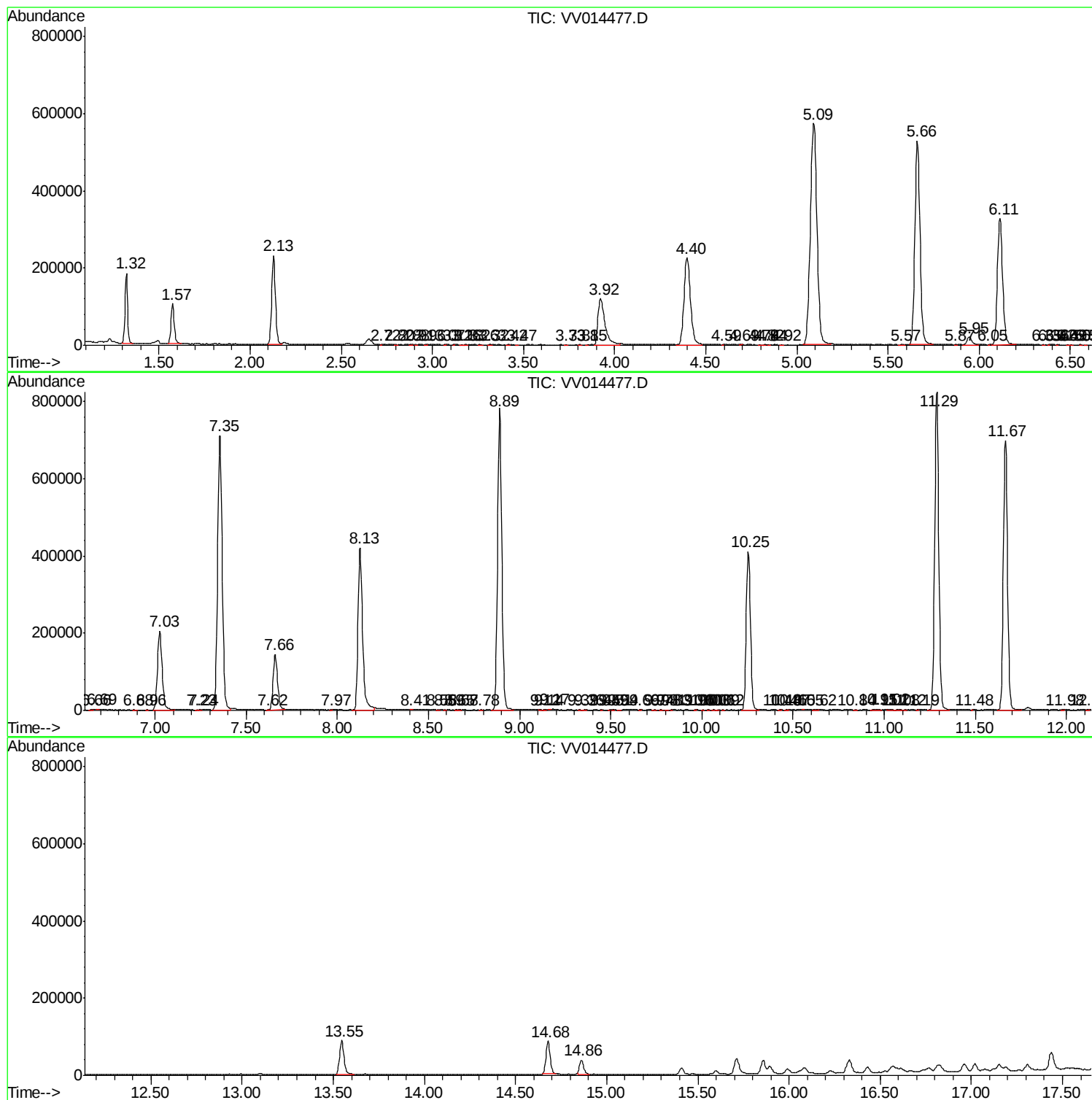
Sum of corrected areas: 11964603

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
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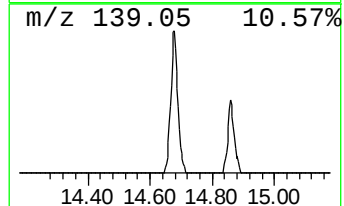
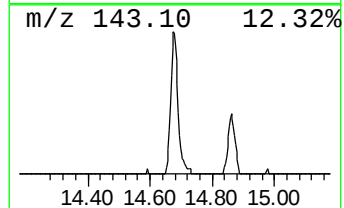
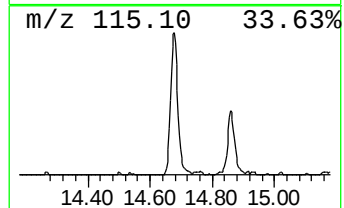
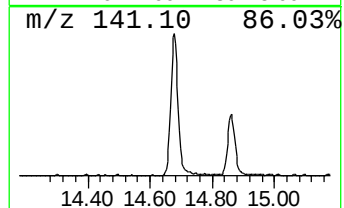
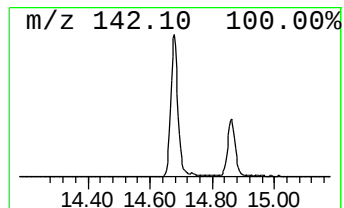
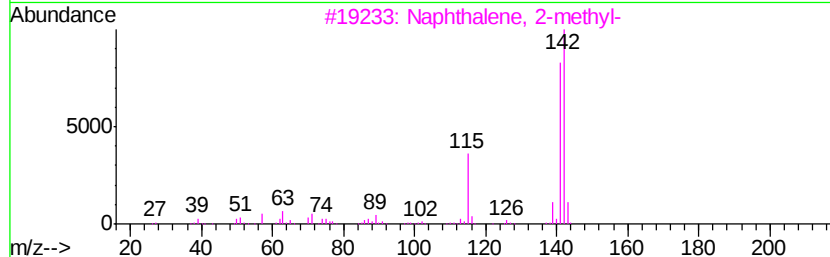
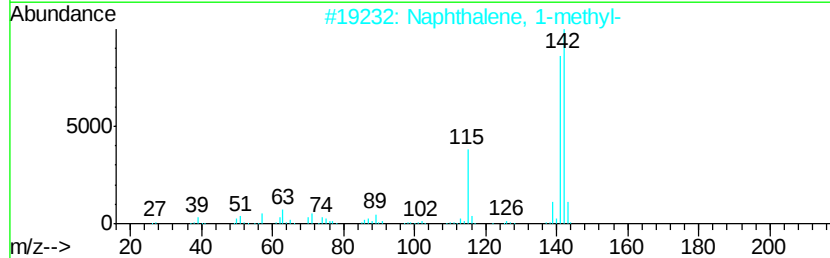
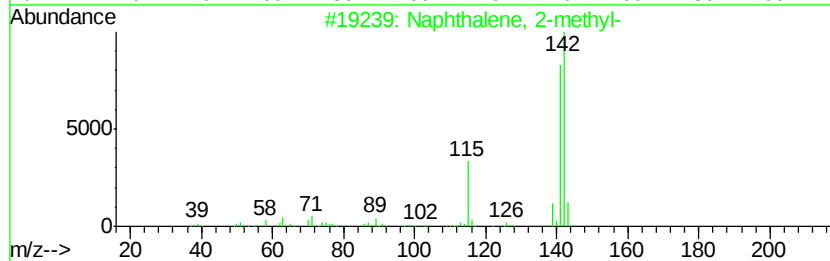
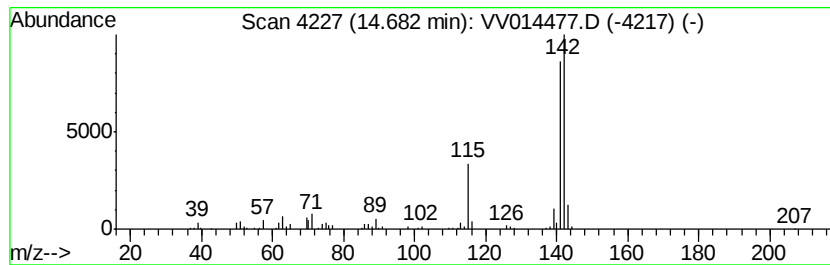
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.    | EstConc                | Area         | Relative to ISTD       | R.T.      |
|---------|------------------------|--------------|------------------------|-----------|
| 14.68   | 5.21 ug/L              | 133111       | 1,4-Dichlorobenzene-d4 | 11.29     |
| Hit# of | 5                      | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Naphthalene, 2-methyl- | 142 C11H10   | 000091-57-6            | 96        |
| 2       | Naphthalene, 1-methyl- | 142 C11H10   | 000090-12-0            | 96        |
| 3       | Naphthalene, 2-methyl- | 142 C11H10   | 000091-57-6            | 96        |
| 4       | Naphthalene, 2-methyl- | 142 C11H10   | 000091-57-6            | 94        |
| 5       | Naphthalene, 1-methyl- | 142 C11H10   | 000090-12-0            | 91        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Naphthalene, 1-me... | 14.68 | 5.2     | ug/L  | 133111   | 3                     | 11.29 | 1277770 | 50.0 |