

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010387.D  
 Acq On : 19 Apr 2019 15:42  
 Operator : SY/MD  
 Sample : K2402-07  
 Misc : 5.07G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHH9

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\SOM2VLM041819S.M  
 Title : VOC Analysis

Signal : TIC

| 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         | 1.318       | 66            | 71          | 88           | rVB      | 197082         | 206017        | 0.51%           | 0.165%        |
| 2         | 1.579       | 146           | 152         | 164          | rVB      | 152567         | 185093        | 0.46%           | 0.148%        |
| 3         | 2.126       | 313           | 322         | 334          | rBV      | 378923         | 541722        | 1.34%           | 0.433%        |
| 4         | 2.453       | 421           | 424         | 427          | rBV2     | 731            | 513           | 0.00%           | 0.000%        |
| 5         | 2.537       | 439           | 450         | 465          | rBV      | 73637          | 125680        | 0.31%           | 0.100%        |
| 6         | 2.624       | 475           | 477         | 479          | rBV      | 935            | 496           | 0.00%           | 0.000%        |
| 7         | 2.736       | 509           | 512         | 513          | rBV3     | 411            | 238           | 0.00%           | 0.000%        |
| 8         | 2.791       | 526           | 529         | 532          | rBV3     | 483            | 317           | 0.00%           | 0.000%        |
| 9         | 2.871       | 550           | 554         | 555          | rVV      | 423            | 235           | 0.00%           | 0.000%        |
| 10        | 2.881       | 555           | 557         | 563          | rVB2     | 373            | 310           | 0.00%           | 0.000%        |
| 11        | 2.923       | 567           | 570         | 575          | rVV2     | 298            | 239           | 0.00%           | 0.000%        |
| 12        | 3.074       | 604           | 617         | 632          | rBV5     | 11232          | 24194         | 0.06%           | 0.019%        |
| 13        | 3.161       | 637           | 644         | 646          | rBV2     | 812            | 733           | 0.00%           | 0.001%        |
| 14        | 3.444       | 727           | 732         | 735          | rBV      | 490            | 337           | 0.00%           | 0.000%        |
| 15        | 3.572       | 766           | 772         | 775          | rBV2     | 539            | 485           | 0.00%           | 0.000%        |
| 16        | 3.675       | 800           | 804         | 806          | rBV      | 457            | 348           | 0.00%           | 0.000%        |
| 17        | 3.717       | 814           | 817         | 820          | rBV2     | 515            | 432           | 0.00%           | 0.000%        |
| 18        | 3.801       | 840           | 843         | 844          | rBV2     | 482            | 295           | 0.00%           | 0.000%        |
| 19        | 3.862       | 859           | 862         | 864          | rBV      | 593            | 359           | 0.00%           | 0.000%        |
| 20        | 3.936       | 873           | 885         | 910          | rBV2     | 35564          | 96828         | 0.24%           | 0.077%        |
| 21        | 4.302       | 996           | 999         | 1001         | rBV2     | 634            | 411           | 0.00%           | 0.000%        |
| 22        | 4.399       | 1011          | 1029        | 1058         | rBV2     | 233935         | 574020        | 1.42%           | 0.459%        |
| 23        | 4.633       | 1100          | 1102        | 1105         | rBV4     | 589            | 352           | 0.00%           | 0.000%        |
| 24        | 4.797       | 1150          | 1153        | 1157         | rBV2     | 582            | 532           | 0.00%           | 0.000%        |
| 25        | 4.842       | 1165          | 1167        | 1170         | rVB2     | 518            | 270           | 0.00%           | 0.000%        |
| 26        | 4.875       | 1174          | 1177        | 1179         | rBV2     | 471            | 252           | 0.00%           | 0.000%        |
| 27        | 4.936       | 1193          | 1196        | 1199         | rBV2     | 507            | 392           | 0.00%           | 0.000%        |
| 28        | 5.093       | 1226          | 1245        | 1270         | rBV2     | 510948         | 1268243       | 3.13%           | 1.014%        |
| 29        | 5.357       | 1325          | 1327        | 1330         | rVB3     | 808            | 435           | 0.00%           | 0.000%        |
| 30        | 5.373       | 1330          | 1332        | 1336         | rBV3     | 697            | 462           | 0.00%           | 0.000%        |
| 31        | 5.392       | 1336          | 1338        | 1341         | rBV2     | 456            | 257           | 0.00%           | 0.000%        |
| 32        | 5.434       | 1348          | 1351        | 1353         | rBV      | 522            | 351           | 0.00%           | 0.000%        |
| 33        | 5.521       | 1376          | 1378        | 1381         | rVV      | 829            | 422           | 0.00%           | 0.000%        |
| 34        | 5.556       | 1384          | 1389        | 1391         | rBV3     | 753            | 629           | 0.00%           | 0.001%        |

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 GAHH9

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Integrator: RTE  
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 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\SOM2VLM041819S.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |       |        |
|----|--------|------|------|------|------|--------|---------|-------|--------|
| 35 | 5.662  | 1408 | 1422 | 1445 | rBV  | 554011 | 1110638 | 2.74% | 0.888% |
| 36 | 5.952  | 1503 | 1512 | 1520 | rVB7 | 4149   | 7191    | 0.02% | 0.006% |
| 37 | 6.116  | 1549 | 1563 | 1591 | rBV  | 295854 | 606407  | 1.50% | 0.485% |
| 38 | 6.392  | 1645 | 1649 | 1651 | rBV2 | 911    | 539     | 0.00% | 0.000% |
| 39 | 6.405  | 1651 | 1653 | 1660 | rVV2 | 486    | 326     | 0.00% | 0.000% |
| 40 | 6.460  | 1666 | 1670 | 1672 | rBV  | 681    | 424     | 0.00% | 0.000% |
| 41 | 6.505  | 1682 | 1684 | 1688 | rBV2 | 334    | 270     | 0.00% | 0.000% |
| 42 | 6.553  | 1696 | 1699 | 1702 | rBV  | 358    | 249     | 0.00% | 0.000% |
| 43 | 6.595  | 1710 | 1712 | 1716 | rBV  | 574    | 352     | 0.00% | 0.000% |
| 44 | 6.643  | 1722 | 1727 | 1729 | rBV2 | 938    | 845     | 0.00% | 0.001% |
| 45 | 6.701  | 1736 | 1745 | 1751 | rBV6 | 2759   | 5283    | 0.01% | 0.004% |
| 46 | 6.762  | 1762 | 1764 | 1766 | rVB  | 624    | 251     | 0.00% | 0.000% |
| 47 | 6.817  | 1766 | 1781 | 1784 | rBV4 | 6929   | 10614   | 0.03% | 0.008% |
| 48 | 6.945  | 1816 | 1821 | 1824 | rBV3 | 602    | 582     | 0.00% | 0.000% |
| 49 | 7.029  | 1835 | 1847 | 1862 | rBV  | 160624 | 286811  | 0.71% | 0.229% |
| 50 | 7.206  | 1898 | 1902 | 1905 | rBV3 | 714    | 605     | 0.00% | 0.000% |
| 51 | 7.302  | 1921 | 1932 | 1936 | rBV3 | 3752   | 5593    | 0.01% | 0.004% |
| 52 | 7.357  | 1938 | 1949 | 1966 | rBV  | 601164 | 1078706 | 2.66% | 0.862% |
| 53 | 7.662  | 2033 | 2044 | 2062 | rBV  | 101531 | 173799  | 0.43% | 0.139% |
| 54 | 8.132  | 2179 | 2190 | 2219 | rBV  | 126824 | 246137  | 0.61% | 0.197% |
| 55 | 8.341  | 2252 | 2255 | 2260 | rVB  | 676    | 484     | 0.00% | 0.000% |
| 56 | 8.392  | 2268 | 2271 | 2275 | rBV3 | 654    | 529     | 0.00% | 0.000% |
| 57 | 8.704  | 2364 | 2368 | 2370 | rBV2 | 1012   | 848     | 0.00% | 0.001% |
| 58 | 8.762  | 2383 | 2386 | 2389 | rBV3 | 453    | 284     | 0.00% | 0.000% |
| 59 | 8.810  | 2397 | 2401 | 2404 | rBV2 | 468    | 422     | 0.00% | 0.000% |
| 60 | 8.894  | 2415 | 2427 | 2455 | rBV  | 783649 | 1365757 | 3.37% | 1.092% |
| 61 | 9.051  | 2471 | 2476 | 2487 | rVB7 | 2881   | 4011    | 0.01% | 0.003% |
| 62 | 9.180  | 2507 | 2516 | 2527 | rBV  | 27995  | 47353   | 0.12% | 0.038% |
| 63 | 9.241  | 2531 | 2535 | 2538 | rBV3 | 1275   | 1084    | 0.00% | 0.001% |
| 64 | 9.421  | 2589 | 2591 | 2593 | rBV2 | 449    | 276     | 0.00% | 0.000% |
| 65 | 9.537  | 2625 | 2627 | 2630 | rBV2 | 467    | 322     | 0.00% | 0.000% |
| 66 | 9.591  | 2633 | 2644 | 2663 | rBV6 | 21272  | 55474   | 0.14% | 0.044% |
| 67 | 9.717  | 2680 | 2683 | 2685 | rBV3 | 537    | 261     | 0.00% | 0.000% |
| 68 | 9.746  | 2689 | 2692 | 2696 | rBV3 | 513    | 473     | 0.00% | 0.000% |
| 69 | 9.871  | 2729 | 2731 | 2732 | rBV  | 721    | 242     | 0.00% | 0.000% |
| 70 | 10.054 | 2786 | 2788 | 2791 | rBV2 | 606    | 312     | 0.00% | 0.000% |
| 71 | 10.106 | 2800 | 2804 | 2806 | rBV2 | 628    | 527     | 0.00% | 0.000% |

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 GAHH9

## Integration Parameters: LSCINT.P

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 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

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 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Title : VOC Analysis

|     |        |      |      |      |      |          |          |         |         |
|-----|--------|------|------|------|------|----------|----------|---------|---------|
| 72  | 10.260 | 2840 | 2852 | 2867 | rBV2 | 246176   | 395782   | 0.98%   | 0.316%  |
| 73  | 10.363 | 2881 | 2884 | 2886 | rBV3 | 875      | 481      | 0.00%   | 0.000%  |
| 74  | 10.405 | 2888 | 2897 | 2898 | rBV  | 10792    | 14091    | 0.03%   | 0.011%  |
| 75  | 10.492 | 2913 | 2924 | 2940 | rBV  | 88136    | 187822   | 0.46%   | 0.150%  |
| 76  | 10.582 | 2945 | 2952 | 2962 | rVB  | 131532   | 197029   | 0.49%   | 0.157%  |
| 77  | 10.781 | 3005 | 3014 | 3018 | rBV  | 38588    | 56777    | 0.14%   | 0.045%  |
| 78  | 10.900 | 3049 | 3051 | 3053 | rBV2 | 1634     | 977      | 0.00%   | 0.001%  |
| 79  | 10.958 | 3054 | 3069 | 3081 | rBV  | 500203   | 799244   | 1.97%   | 0.639%  |
| 80  | 11.029 | 3081 | 3091 | 3100 | rBV  | 646686   | 957363   | 2.36%   | 0.765%  |
| 81  | 11.292 | 3163 | 3173 | 3191 | rBV  | 884034   | 1401274  | 3.46%   | 1.120%  |
| 82  | 11.382 | 3191 | 3201 | 3211 | rVV  | 231670   | 347522   | 0.86%   | 0.278%  |
| 83  | 11.440 | 3212 | 3219 | 3234 | rVB2 | 126758   | 192261   | 0.47%   | 0.154%  |
| 84  | 11.575 | 3250 | 3261 | 3269 | rBV3 | 110980   | 218612   | 0.54%   | 0.175%  |
| 85  | 11.672 | 3282 | 3291 | 3307 | rVB2 | 757222   | 1398746  | 3.45%   | 1.118%  |
| 86  | 11.791 | 3319 | 3328 | 3338 | rBV  | 498089   | 769665   | 1.90%   | 0.615%  |
| 87  | 11.958 | 3370 | 3380 | 3383 | rBV2 | 117209   | 168867   | 0.42%   | 0.135%  |
| 88  | 12.035 | 3397 | 3404 | 3408 | rBV  | 218467   | 315481   | 0.78%   | 0.252%  |
| 89  | 12.241 | 3461 | 3468 | 3477 | rVB  | 1110653  | 1635423  | 4.04%   | 1.307%  |
| 90  | 12.299 | 3478 | 3486 | 3497 | rVB2 | 335941   | 499984   | 1.23%   | 0.400%  |
| 91  | 12.514 | 3544 | 3553 | 3566 | rBV2 | 581760   | 1245309  | 3.07%   | 0.995%  |
| 92  | 12.636 | 3583 | 3591 | 3601 | rBV  | 840062   | 1345241  | 3.32%   | 1.075%  |
| 93  | 12.929 | 3675 | 3682 | 3691 | rVB3 | 710063   | 1028825  | 2.54%   | 0.822%  |
| 94  | 12.993 | 3694 | 3702 | 3713 | rVB  | 1877018  | 2801708  | 6.92%   | 2.239%  |
| 95  | 13.099 | 3726 | 3735 | 3751 | rVB  | 2233440  | 3662441  | 9.04%   | 2.927%  |
| 96  | 13.553 | 3866 | 3876 | 3887 | rVB  | 19587069 | 29715099 | 73.35%  | 23.750% |
| 97  | 14.685 | 4217 | 4228 | 4254 | rVB  | 26068488 | 40510205 | 100.00% | 32.378% |
| 98  | 14.868 | 4274 | 4285 | 4304 | rVB  | 11332987 | 17534792 | 43.28%  | 14.015% |
| 99  | 15.717 | 4539 | 4549 | 4566 | rBV  | 3210176  | 5337400  | 13.18%  | 4.266%  |
| 100 | 15.865 | 4586 | 4595 | 4601 | rBV  | 2855672  | 4332200  | 10.69%  | 3.463%  |

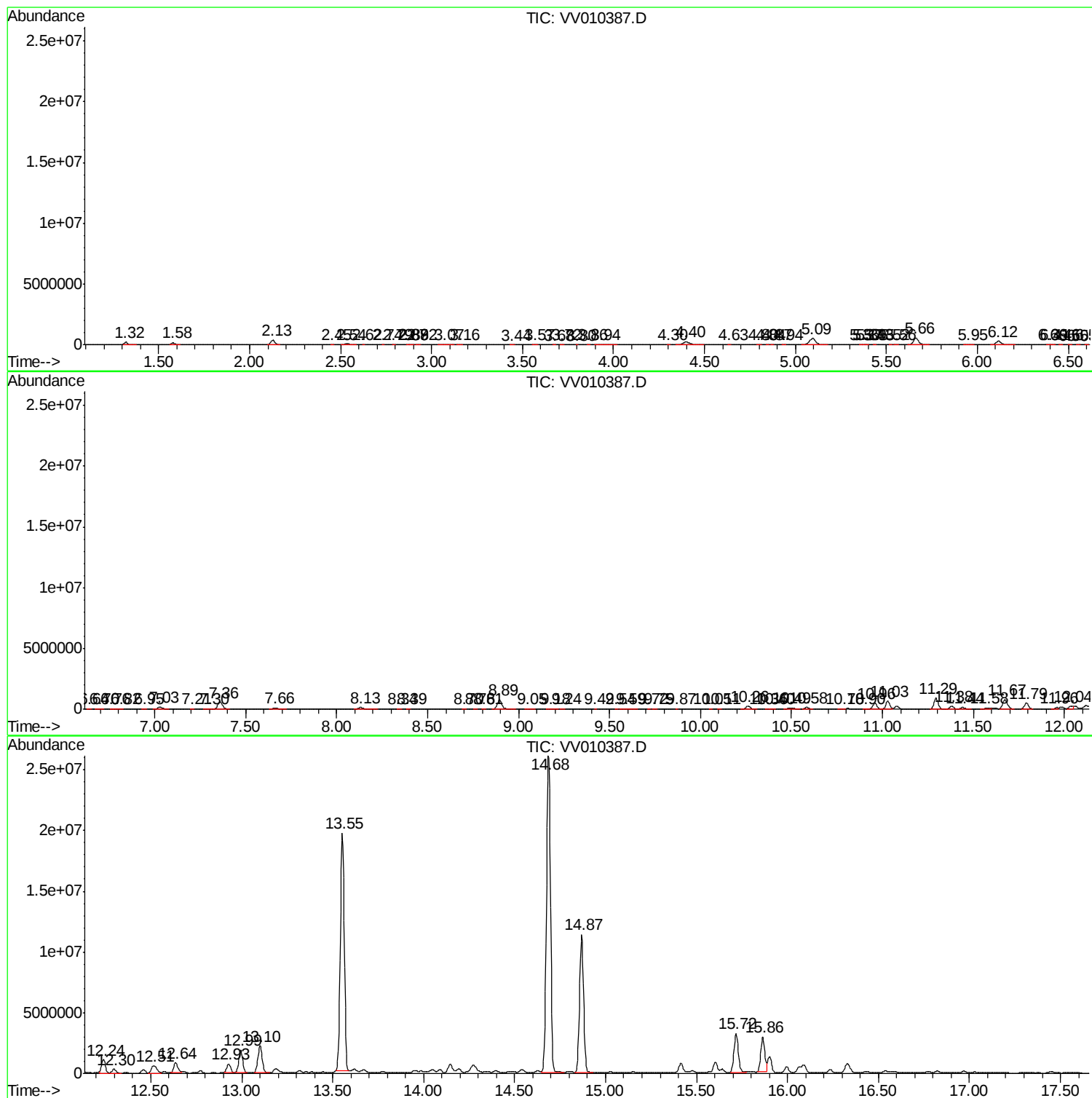
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
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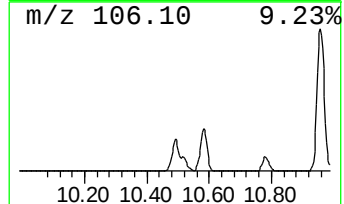
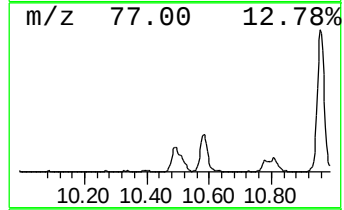
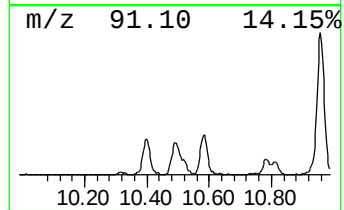
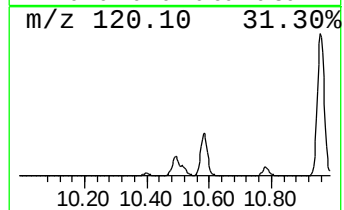
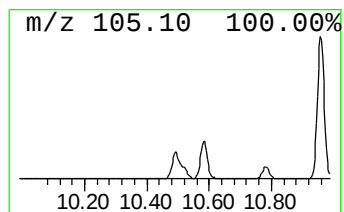
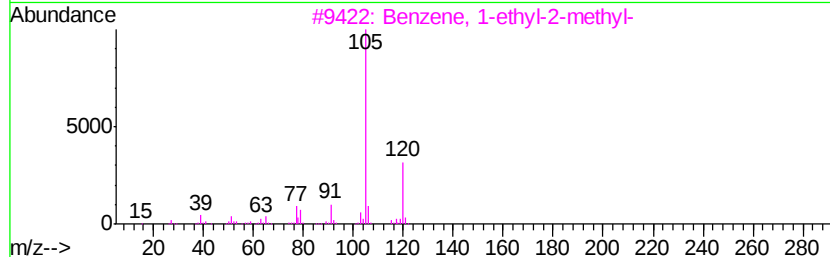
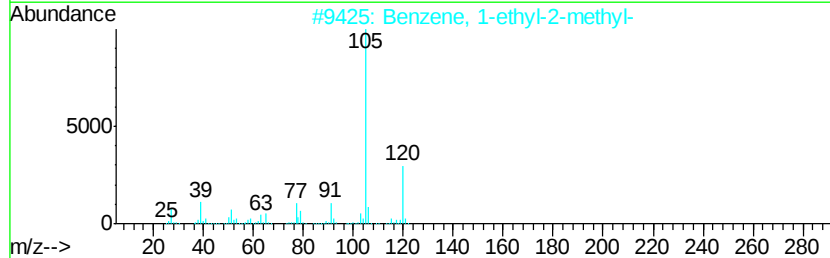
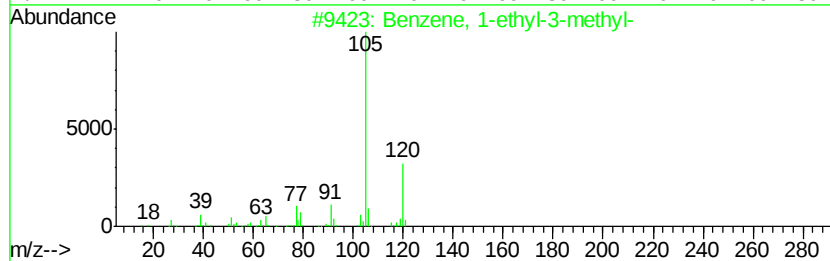
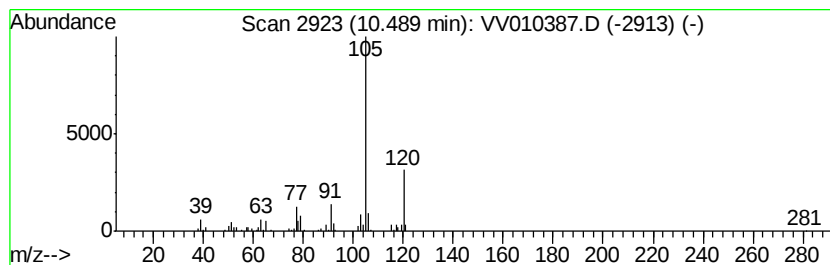
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.49 | 3.35 ug/L | 187822 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 93   |



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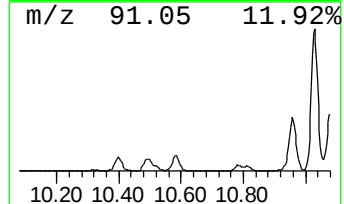
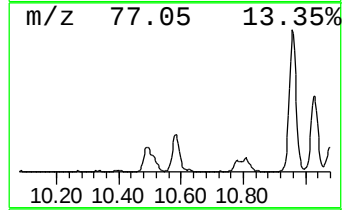
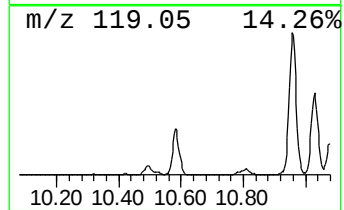
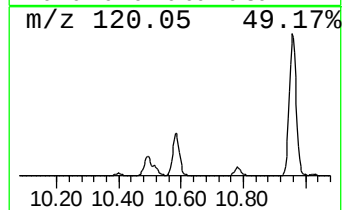
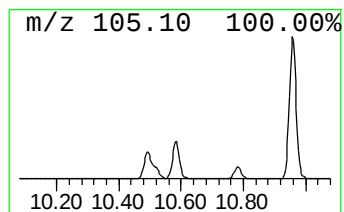
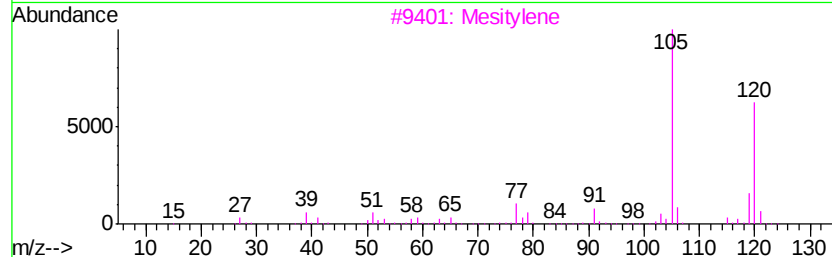
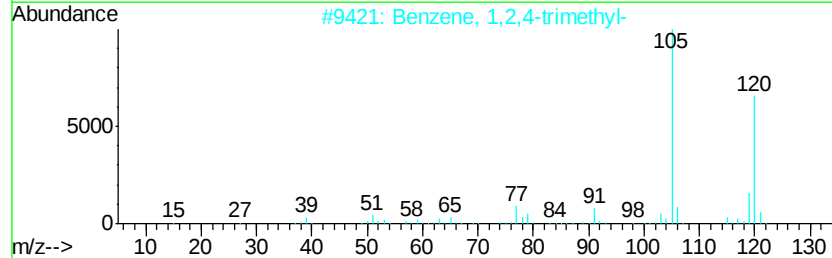
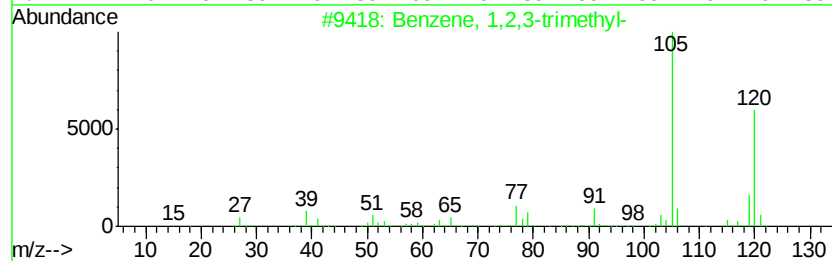
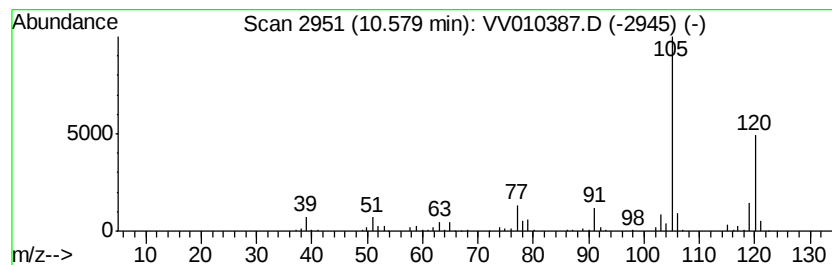
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 20

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.58 | 3.52 ug/L | 197029 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 3    |    | Mesitylene                | 120 | C9H12   | 000108-67-8 | 95   |
| 4    |    | Mesitylene                | 120 | C9H12   | 000108-67-8 | 94   |
| 5    |    | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

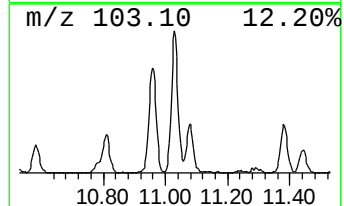
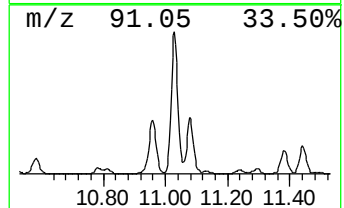
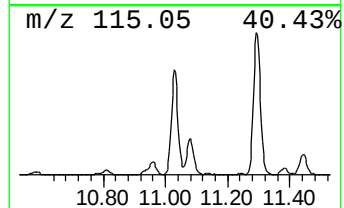
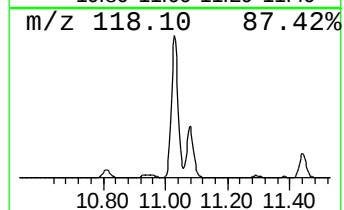
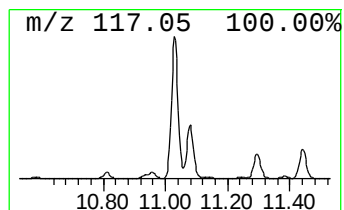
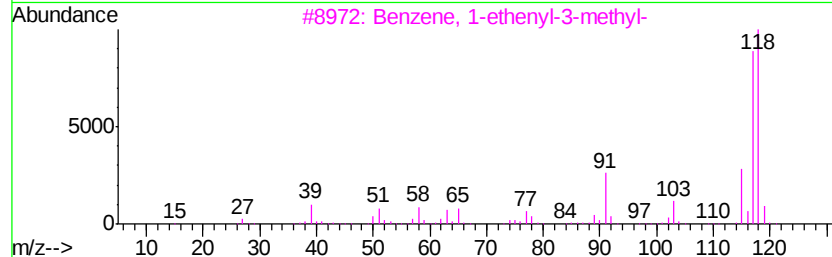
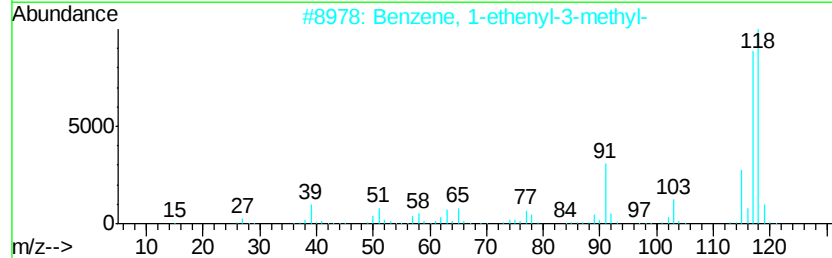
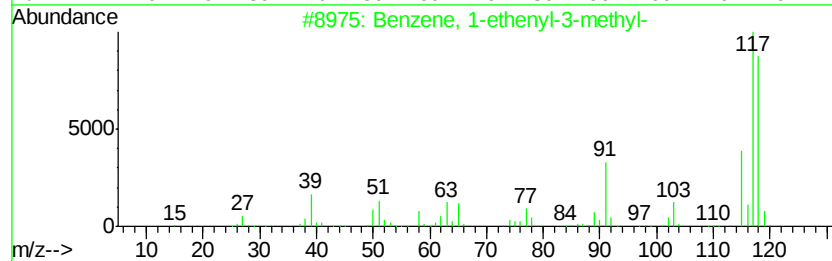
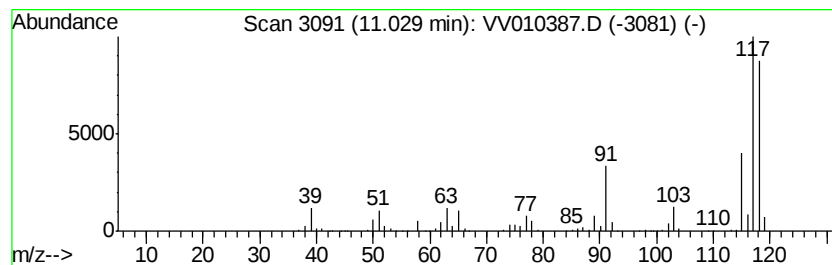
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.03 | 17.08 ug/L | 957363 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 96   |
| 2       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 95   |
| 3       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 95   |
| 4       |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 94   |
| 5       |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

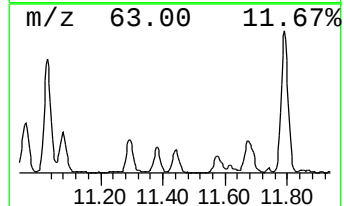
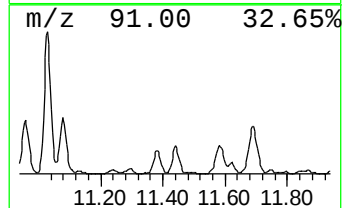
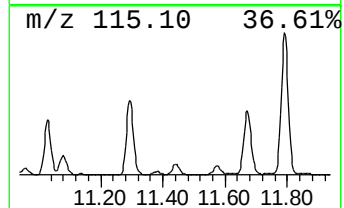
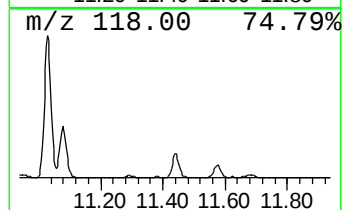
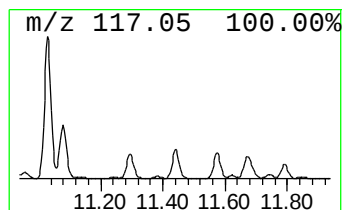
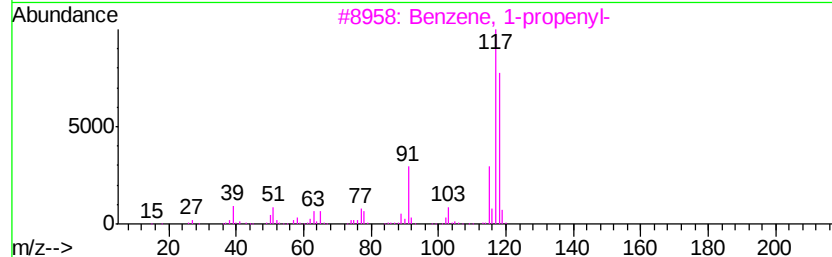
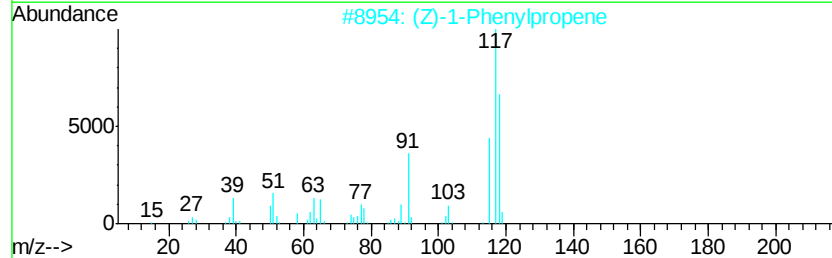
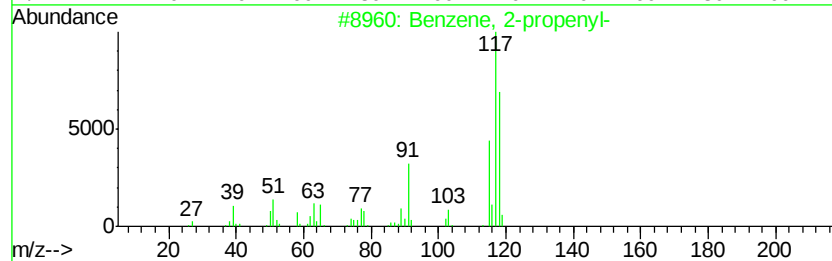
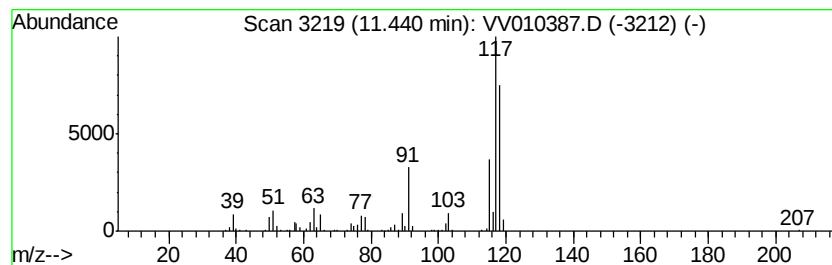
Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 7 Benzene, 2-propenyl- Concentration Rank 21

| R.T.    | EstConc   | Area                         | Relative to ISTD       | R.T.           |
|---------|-----------|------------------------------|------------------------|----------------|
| 11.44   | 3.43 ug/L | 192261                       | 1,4-Dichlorobenzene-d4 | 11.29          |
| Hit# of | 5         | Tentative ID                 | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, 2-propenyl-         | 118 C9H10              | 000300-57-2 96 |
| 2       |           | (Z)-1-Phenylpropene          | 118 C9H10              | 000766-90-5 95 |
| 3       |           | Benzene, 1-propenyl-         | 118 C9H10              | 000637-50-3 94 |
| 4       |           | Benzene, cyclopropyl-        | 118 C9H10              | 000873-49-4 93 |
| 5       |           | Benzene, 1-ethenyl-3-methyl- | 118 C9H10              | 000100-80-1 92 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

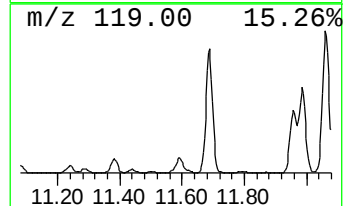
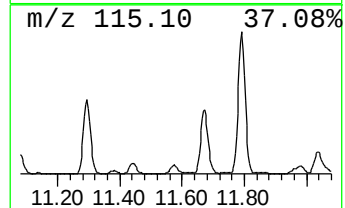
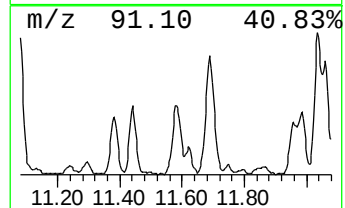
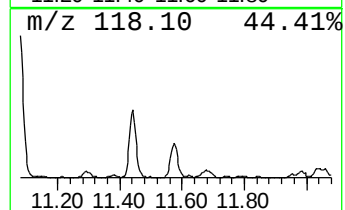
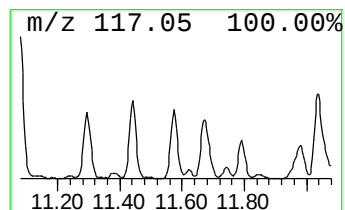
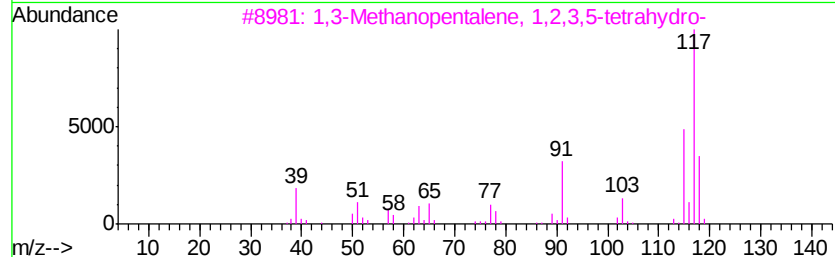
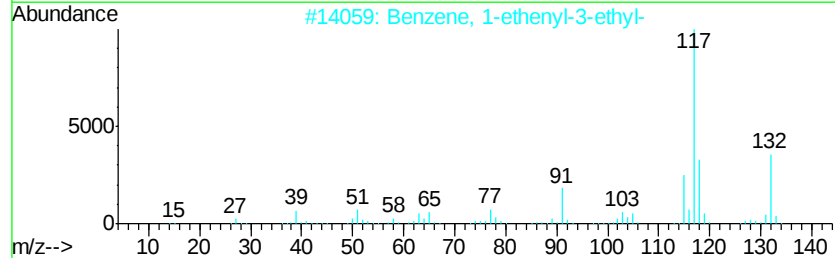
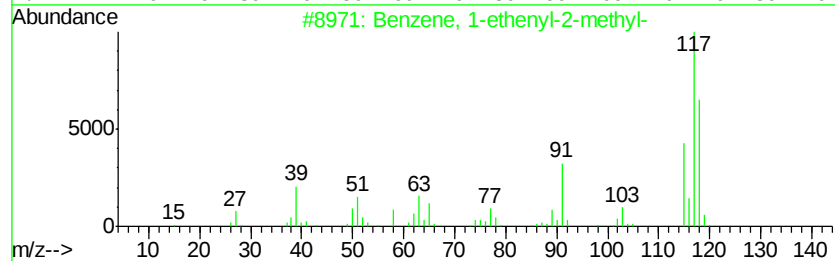
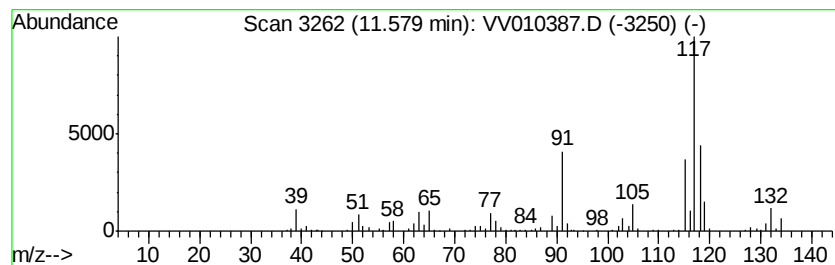
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 19

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.58 | 3.90 ug/L | 218612 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl-        | 118 | C9H10   | 000611-15-4 | 87   |
| 2    |    | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 83   |
| 3    |    | 1,3-Methanopentalene, 1,2,3,5-te... | 118 | C9H10   | 128600-88-4 | 76   |
| 4    |    | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 76   |
| 5    |    | Indane                              | 118 | C9H10   | 000496-11-7 | 68   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

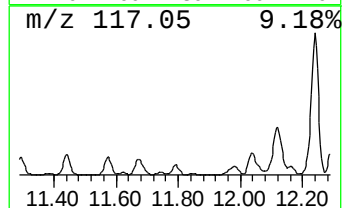
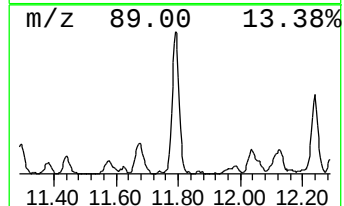
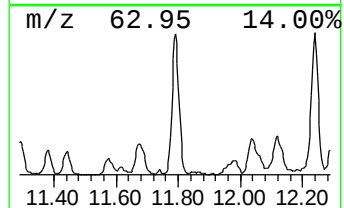
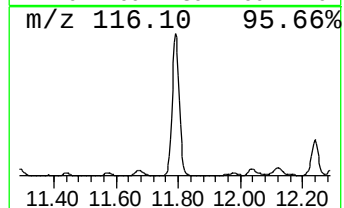
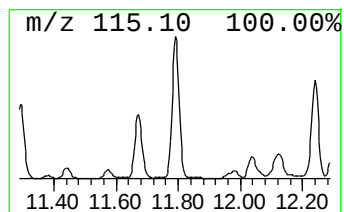
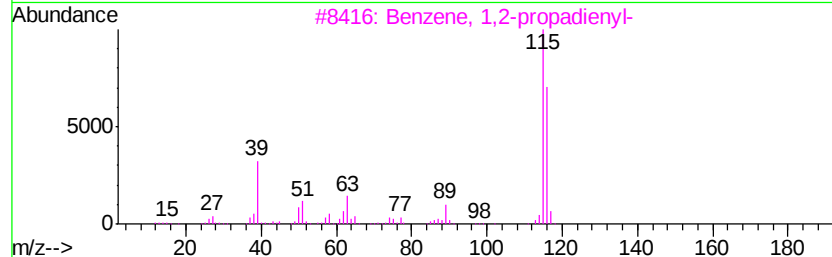
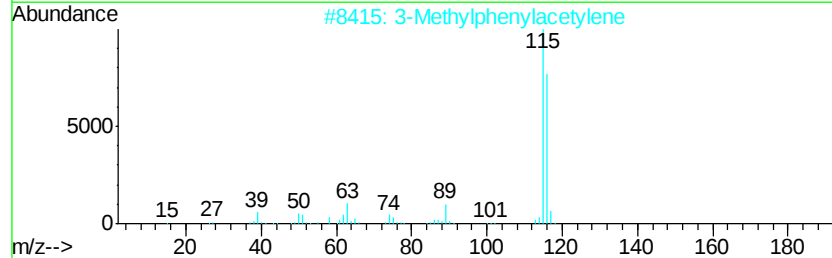
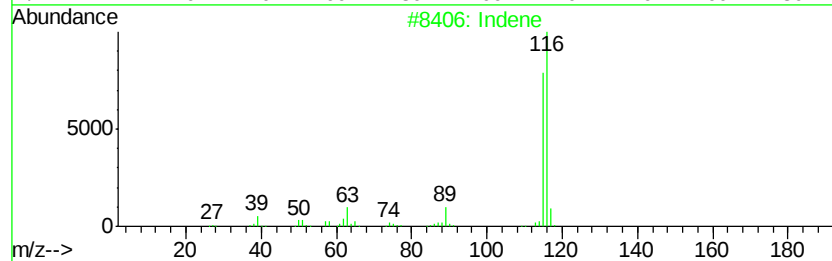
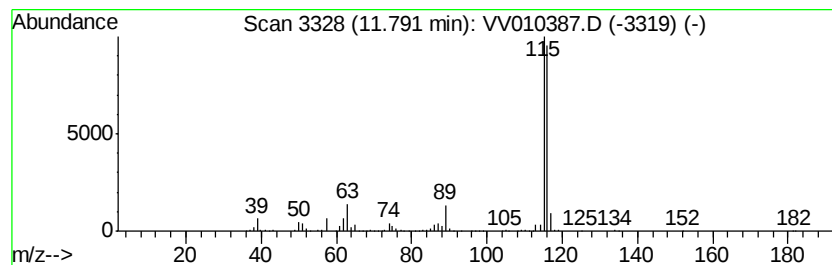
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Indene Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.79 | 13.73 ug/L | 769665 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Indene                       |              | 116 | C9H8    | 000095-13-6 | 94   |
| 2       | 3-Methylphenylacetylene      |              | 116 | C9H8    | 000766-82-5 | 94   |
| 3       | Benzene, 1,2-propadienyl-    |              | 116 | C9H8    | 002327-99-3 | 91   |
| 4       | Benzene, 1-propynyl-         |              | 116 | C9H8    | 000673-32-5 | 91   |
| 5       | Benzene, 1-ethynyl-4-methyl- |              | 116 | C9H8    | 000766-97-2 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

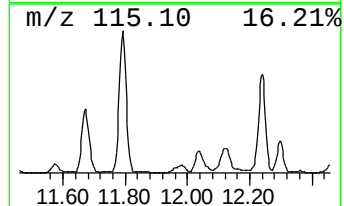
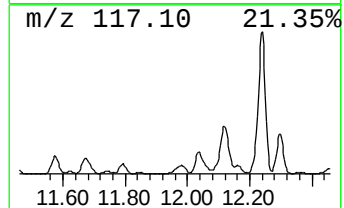
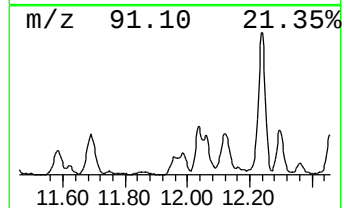
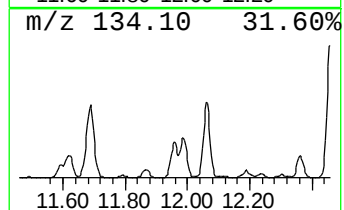
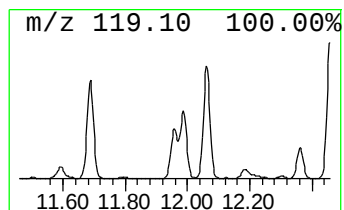
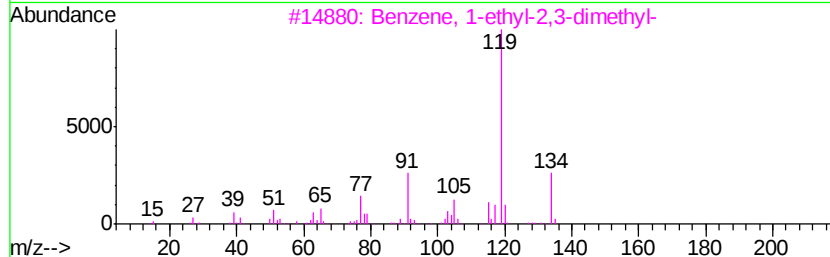
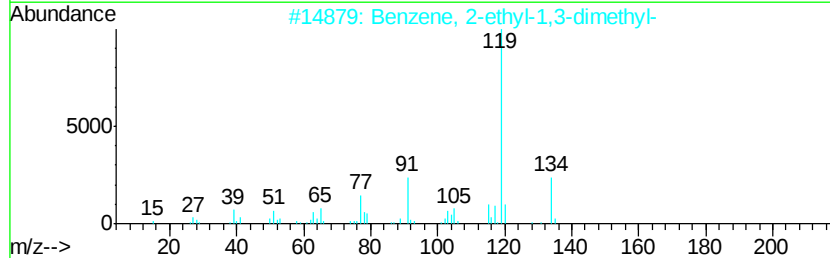
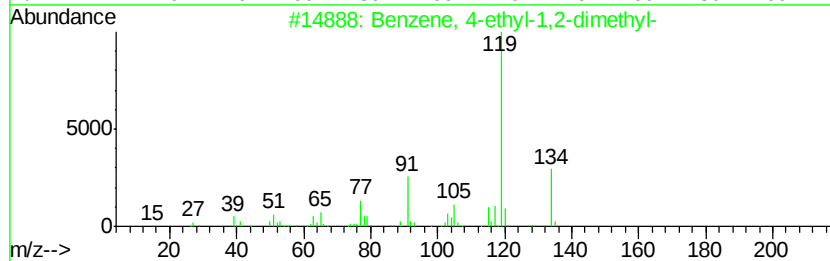
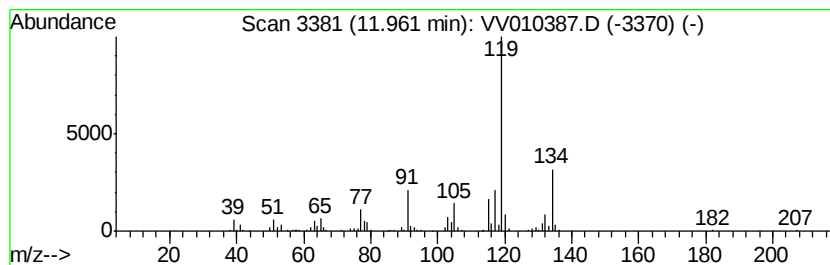
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 23

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.96 | 3.01 ug/L | 168867 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 2    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 94   |
| 4    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |
| 5    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

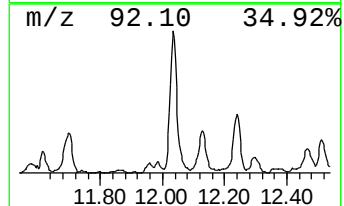
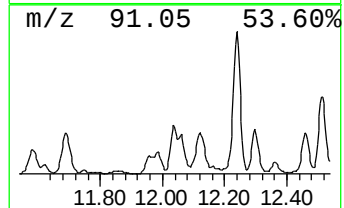
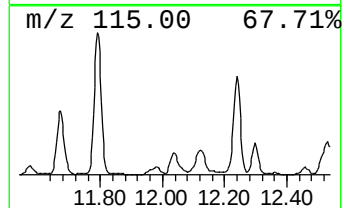
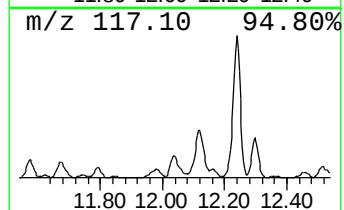
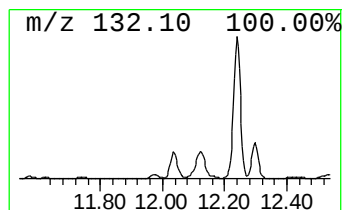
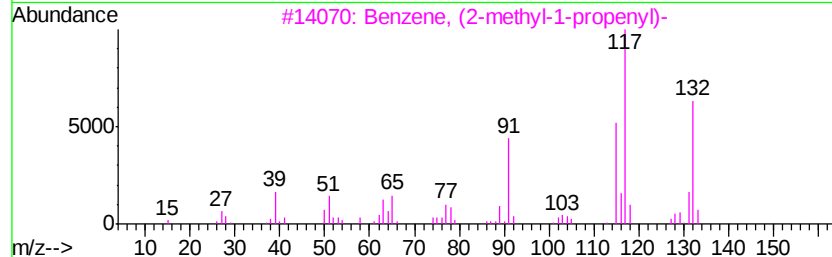
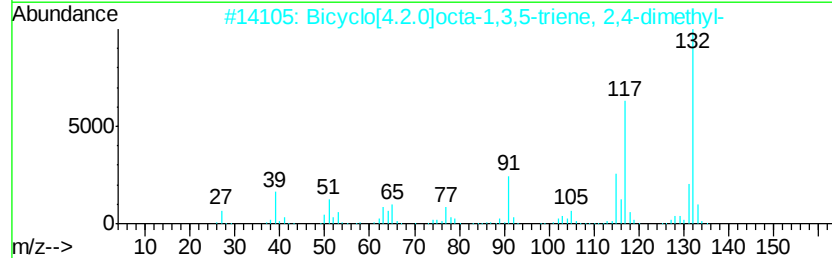
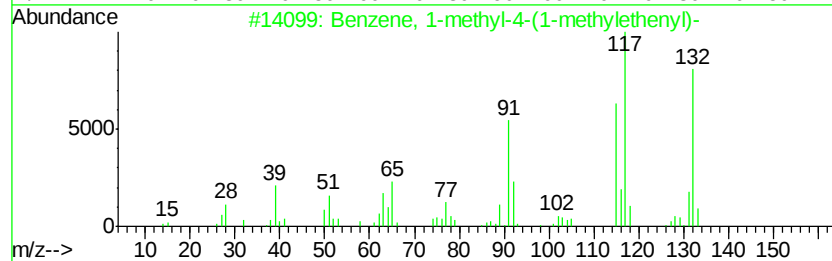
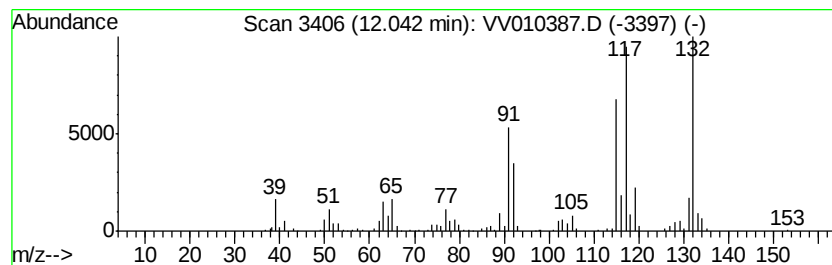
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.04 | 5.63 ug/L | 315481 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12  | 001195-32-0 | 95   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12  | 028749-81-7 | 81   |
| 3    |    | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 81   |
| 4    |    | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 80   |
| 5    |    | Benzene, (2-methyl-2-propenyl)-     | 132 | C10H12  | 003290-53-7 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

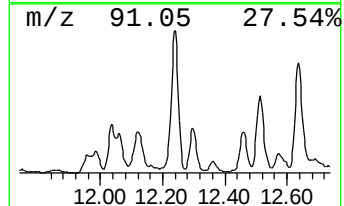
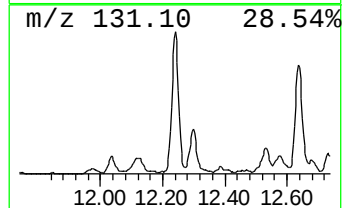
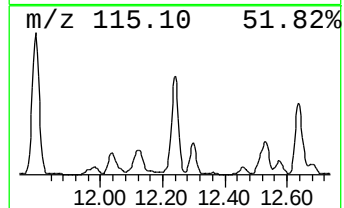
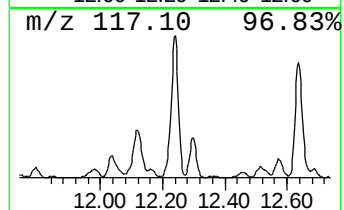
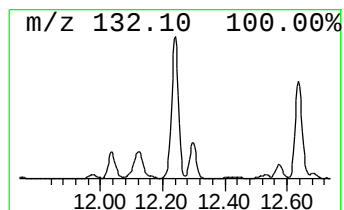
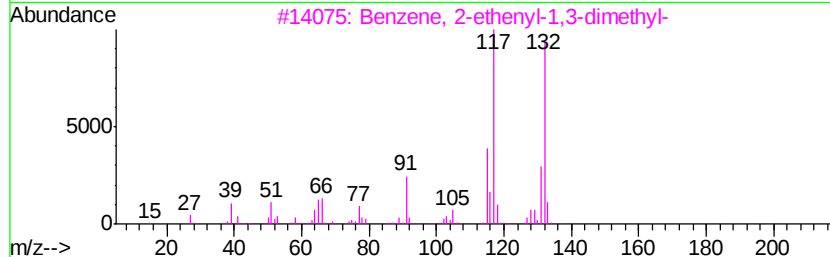
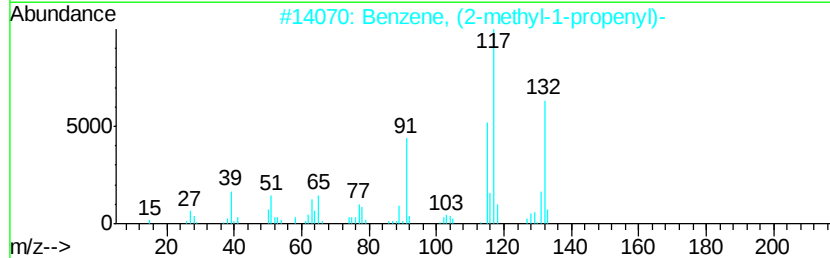
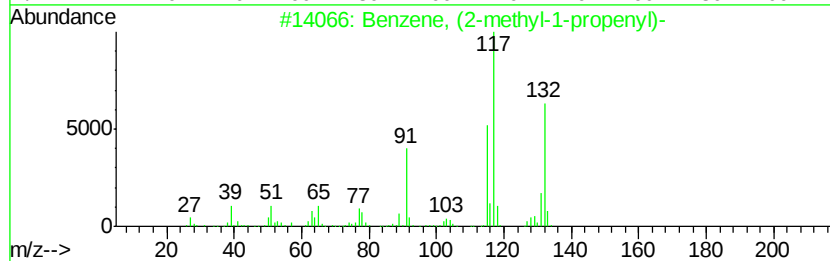
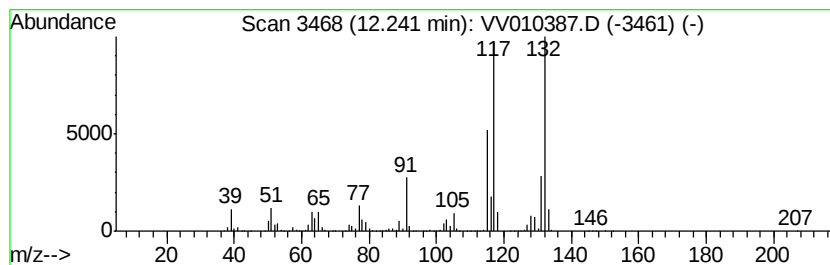
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Benzene, (2-methyl-1-propen... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.24 | 29.18 ug/L | 1635420 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 95   |
| 2    |    | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 95   |
| 3    |    | Benzene, 2-ethenyl-1,3-dimethyl-  | 132 | C10H12  | 002039-90-9 | 95   |
| 4    |    | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 94   |
| 5    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

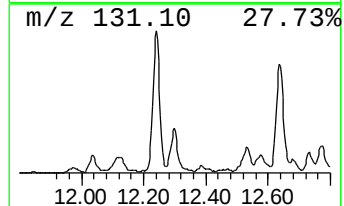
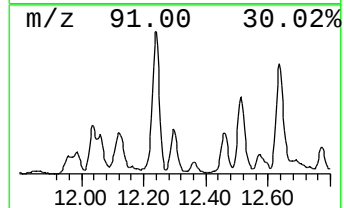
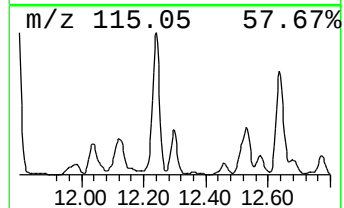
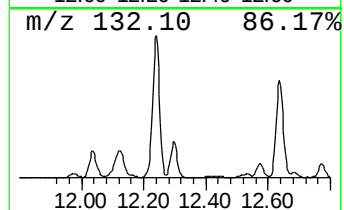
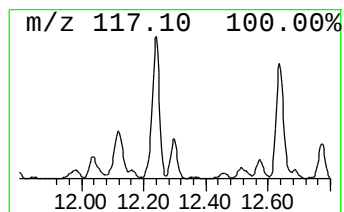
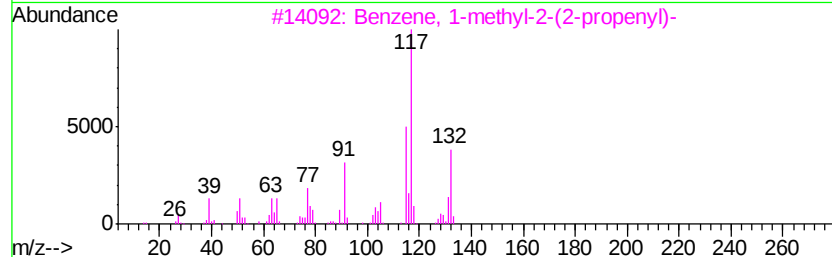
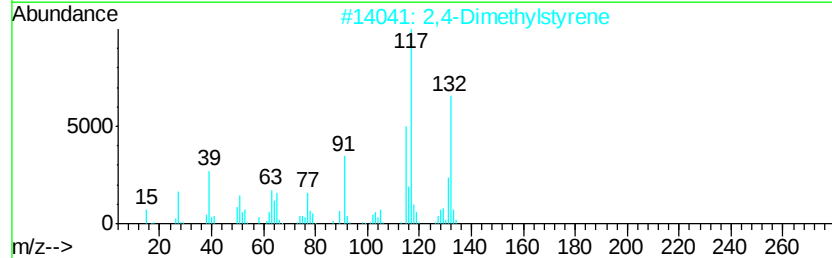
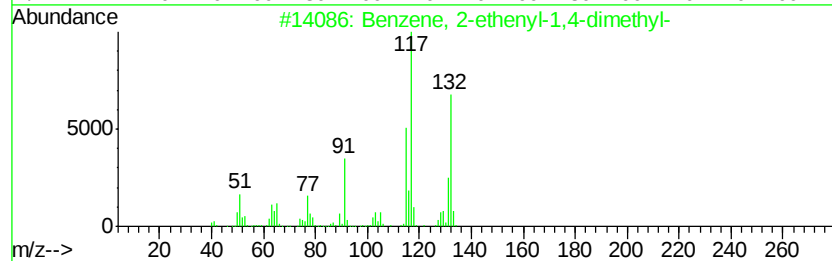
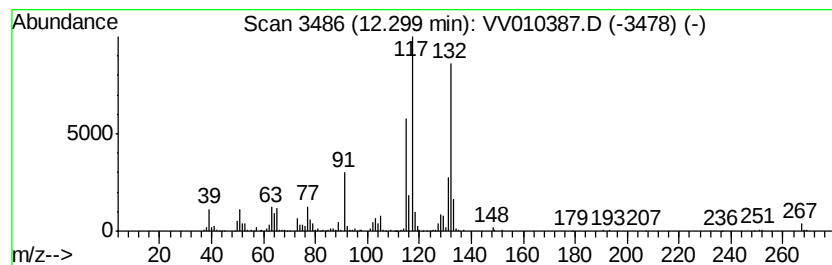
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.30 | 8.92 ug/L | 499984 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 97   |
| 2    |    | 2,4-Dimethylstyrene               | 132 | C10H12  | 002234-20-0 | 96   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 95   |
| 4    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 95   |
| 5    |    | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

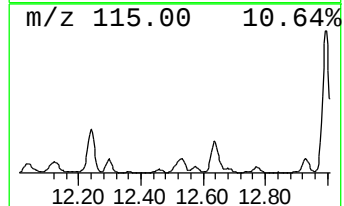
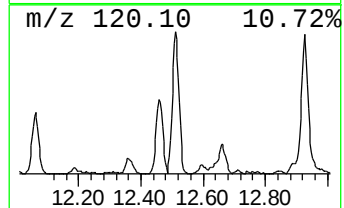
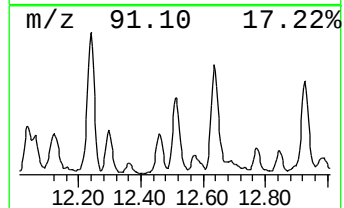
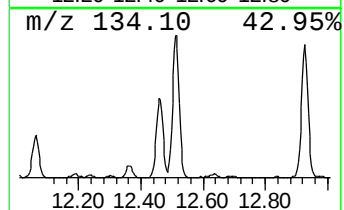
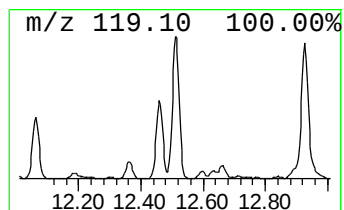
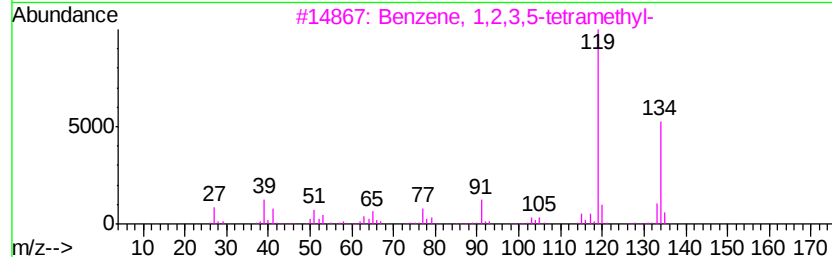
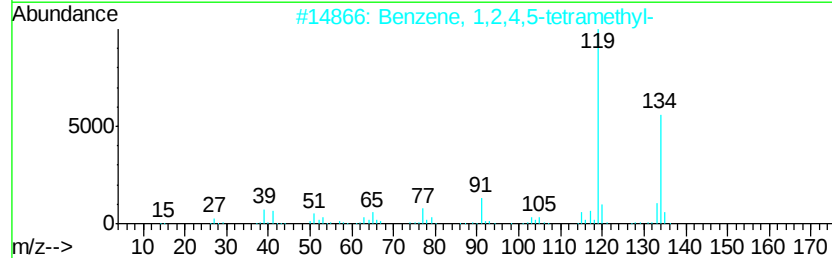
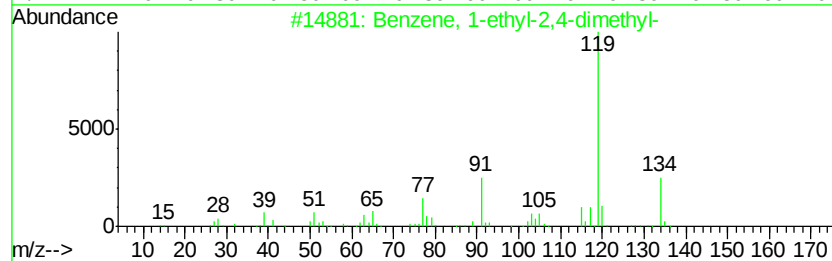
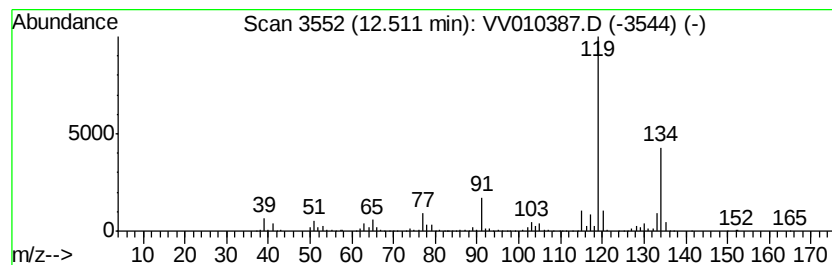
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.51 | 22.22 ug/L | 1245310 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 95   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 93   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 93   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 93   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

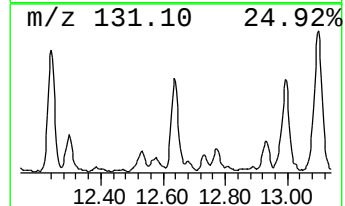
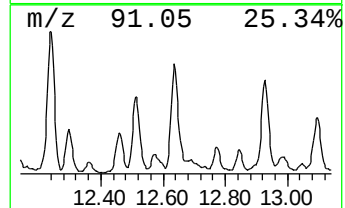
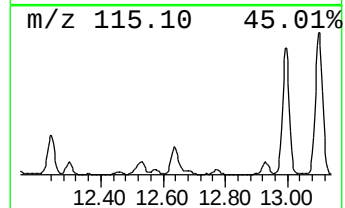
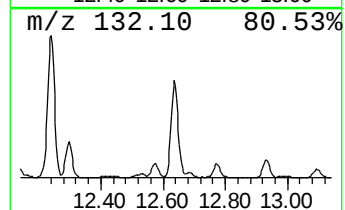
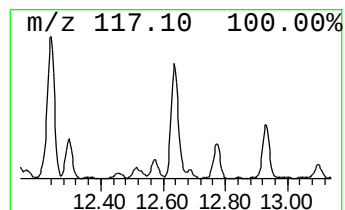
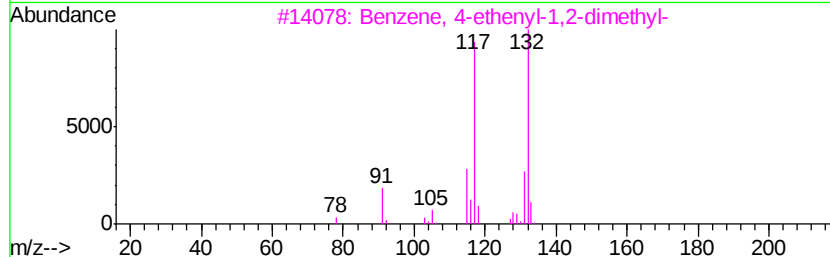
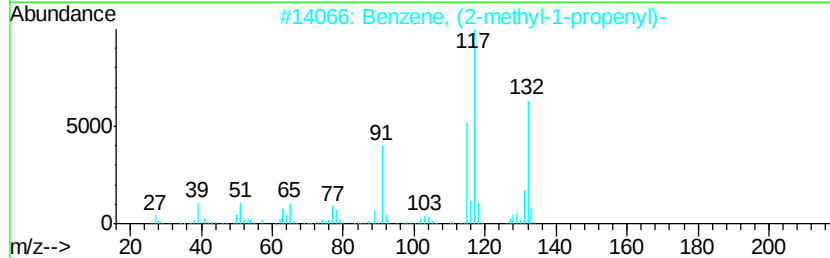
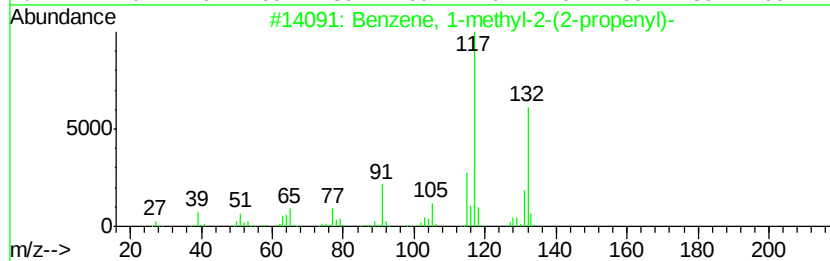
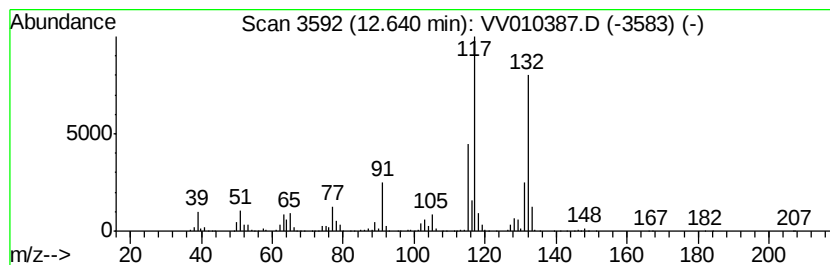
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Benzene, 1-methyl-2-(2-prop... Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.64 | 24.00 ug/L | 1345240 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 95   |
| 2    |    | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 95   |
| 3    |    | Benzene, 4-ethenyl-1,2-dimethyl-    | 132 | C10H12  | 027831-13-6 | 95   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 94   |
| 5    |    | Benzene, (2-methyl-2-propenyl)-     | 132 | C10H12  | 003290-53-7 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

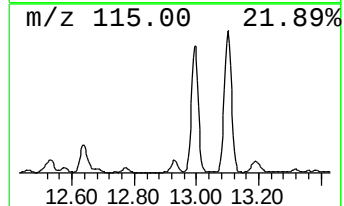
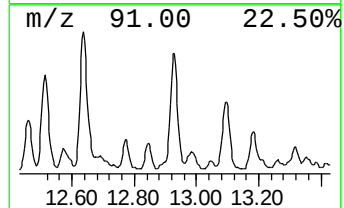
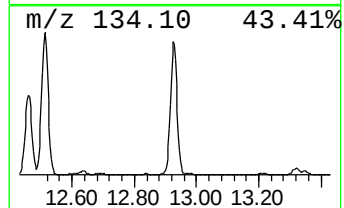
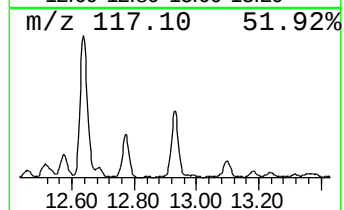
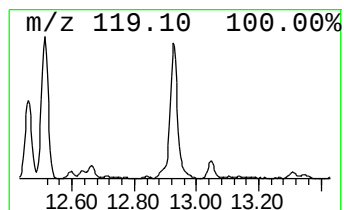
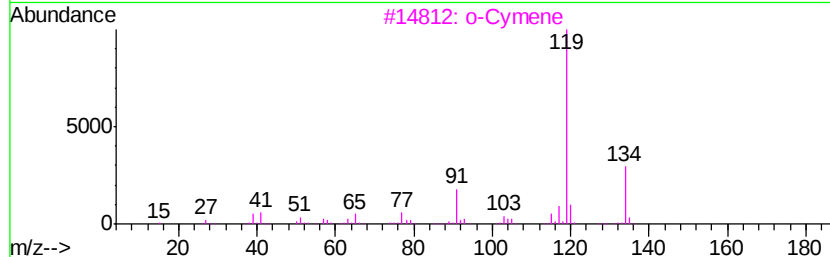
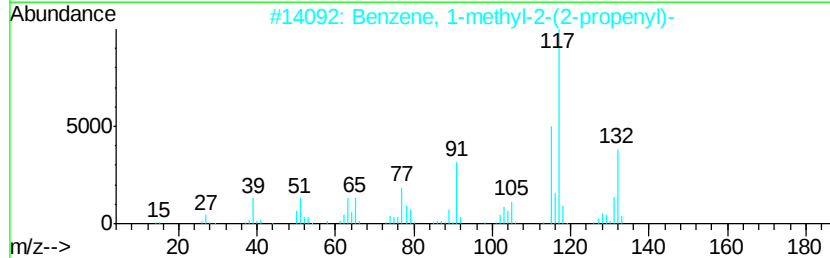
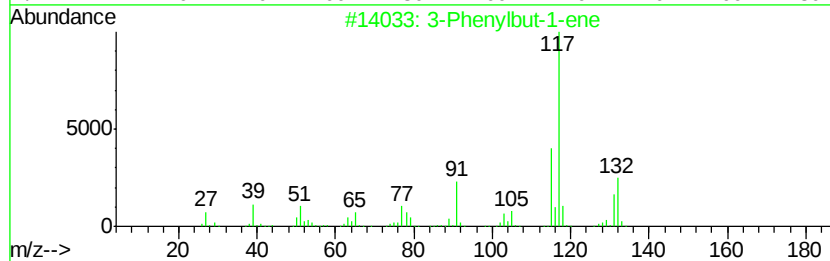
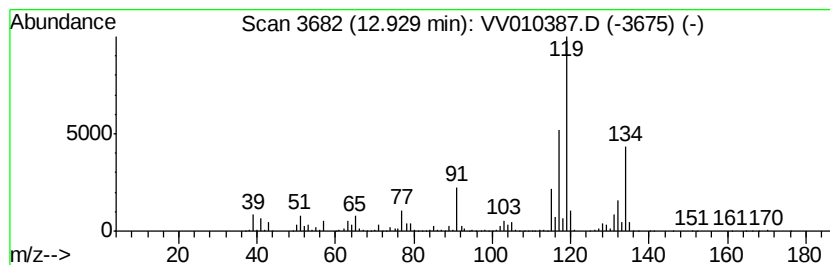
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 3-Phenylbut-1-ene Concentration Rank 11

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.93 | 18.36 ug/L | 1028830 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 74   |
| 2    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 70   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 64   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

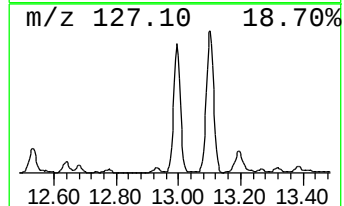
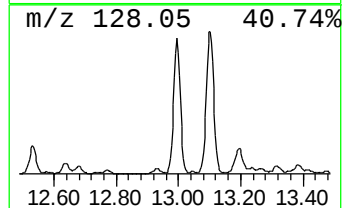
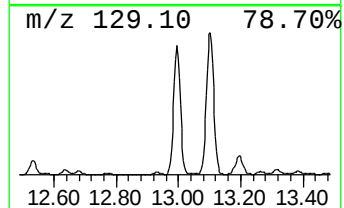
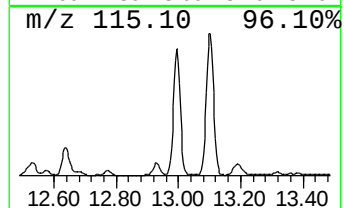
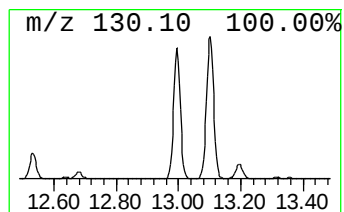
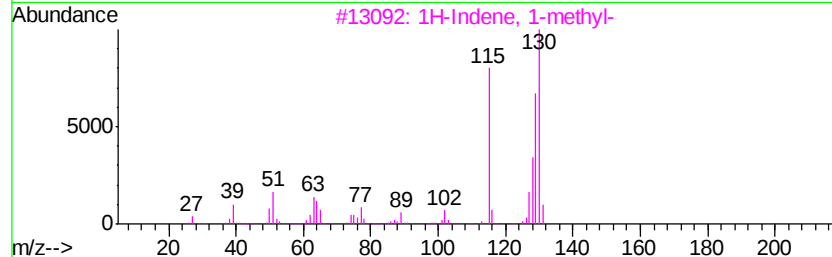
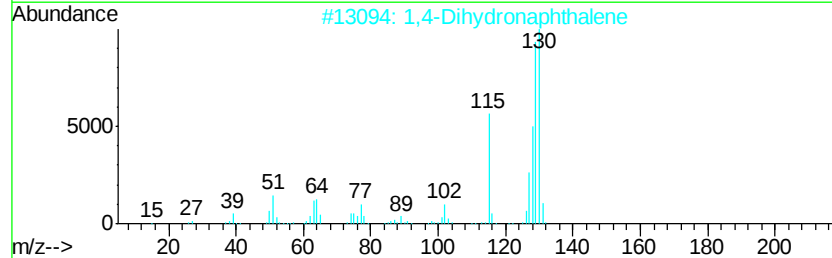
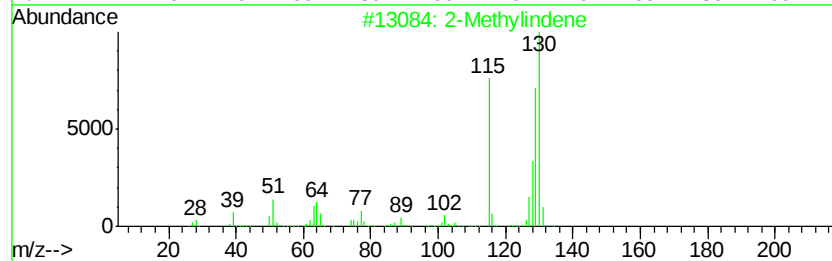
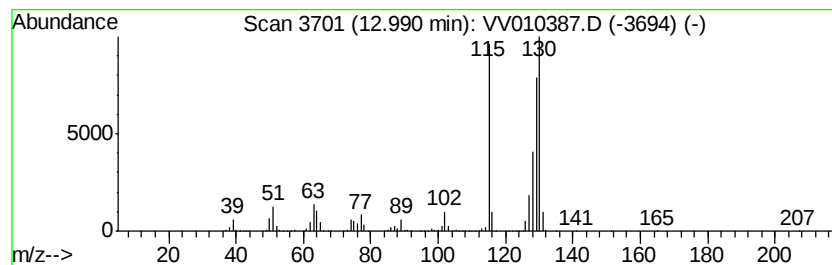
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 2-Methylindene Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.99 | 49.99 ug/L | 2801710 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 97   |
| 2    |    | 1,4-Dihydronaphthalene              | 130 | C10H10  | 000612-17-9 | 96   |
| 3    |    | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 94   |
| 4    |    | Cycloprop[alindene, 1,1a,6,6a-te... | 130 | C10H10  | 015677-15-3 | 93   |
| 5    |    | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

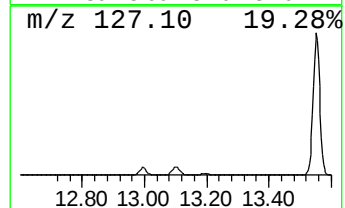
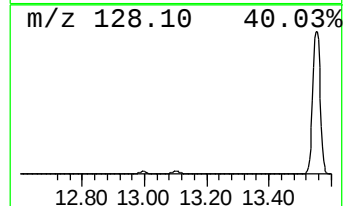
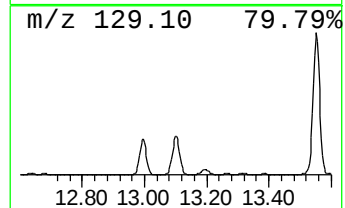
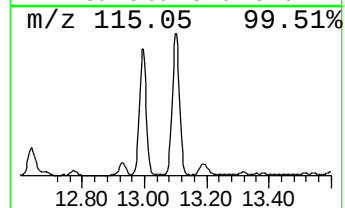
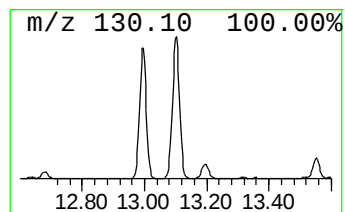
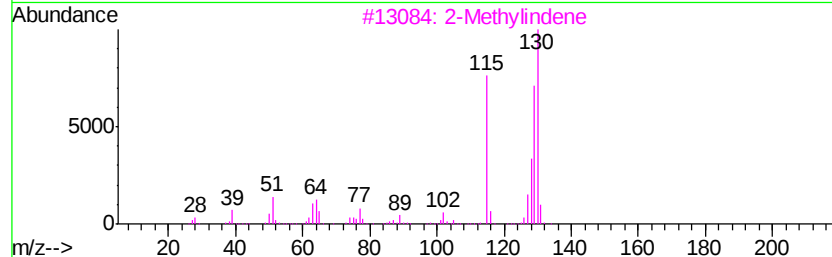
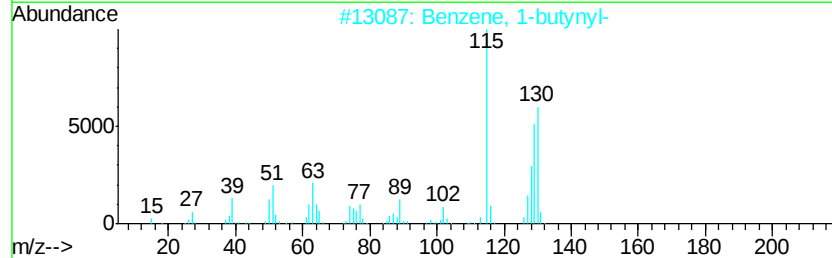
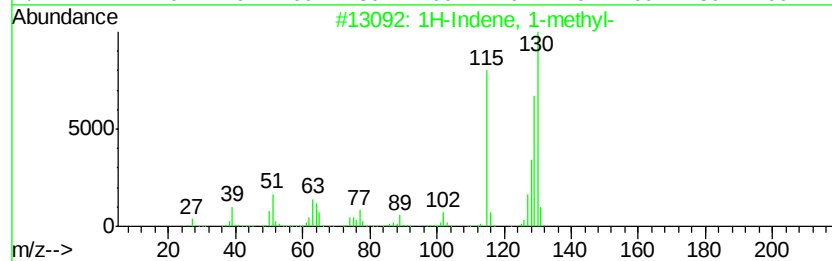
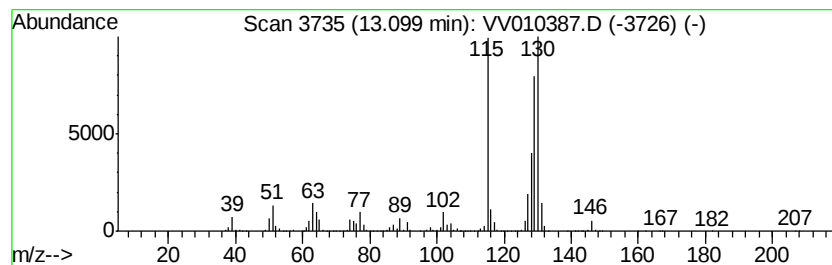
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 1H-Indene, 1-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.10 | 65.34 ug/L | 3662440 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------------|-----|---------|-------------|------|
| 1       |   | 1H-Indene, 1-methyl-              | 130 | C10H10  | 000767-59-9 | 95   |
| 2       |   | Benzene, 1-butynyl-               | 130 | C10H10  | 000622-76-4 | 95   |
| 3       |   | 2-Methylindene                    | 130 | C10H10  | 002177-47-1 | 95   |
| 4       |   | 2-Methylindene                    | 130 | C10H10  | 002177-47-1 | 93   |
| 5       |   | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10  | 022433-39-2 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

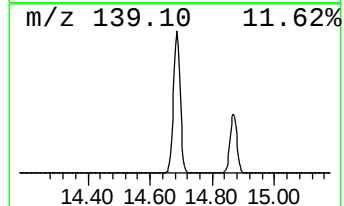
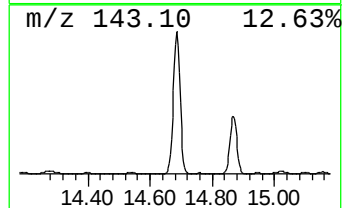
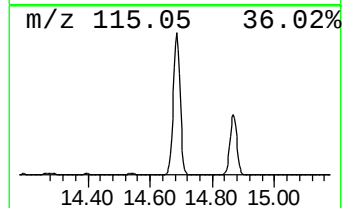
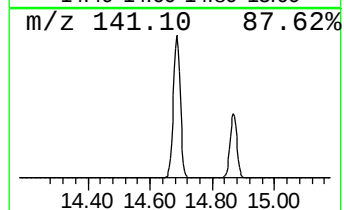
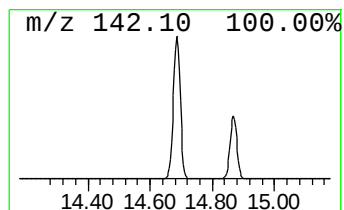
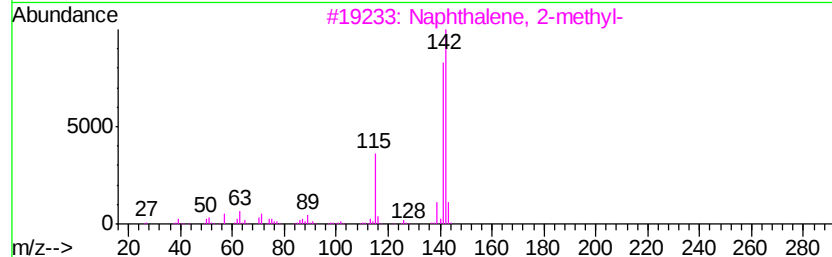
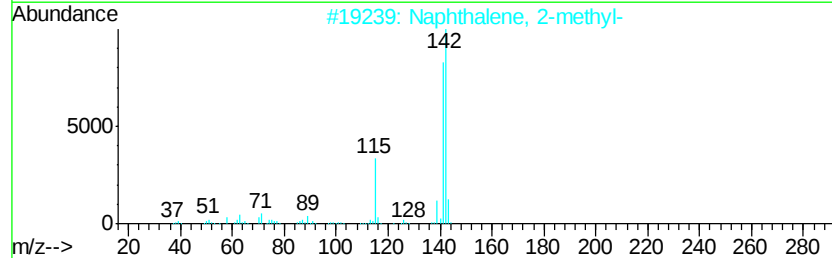
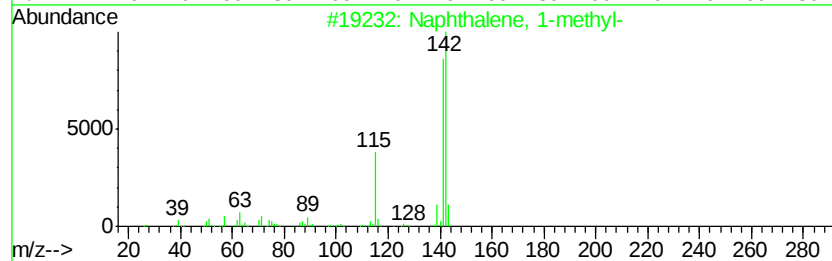
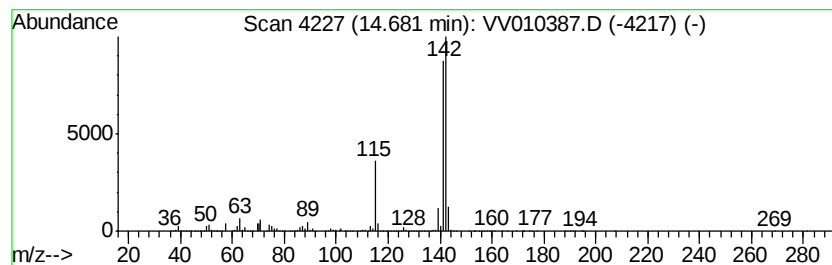
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 14.68 | 722.74 ug/L | 40510200 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 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 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

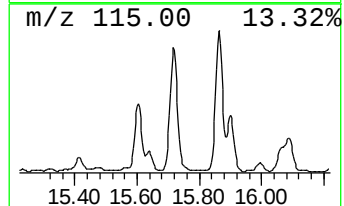
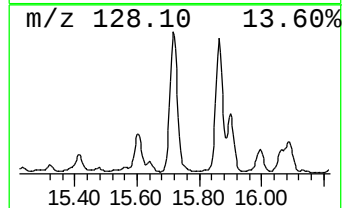
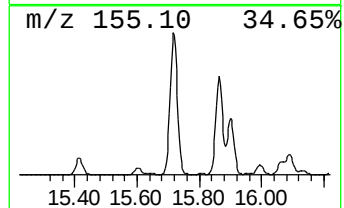
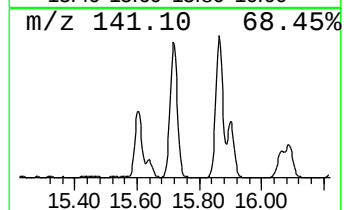
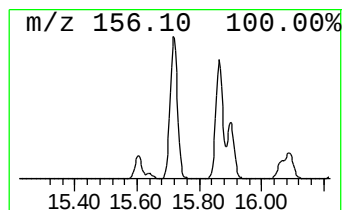
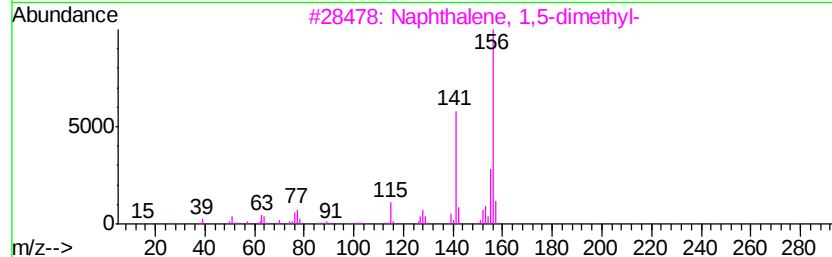
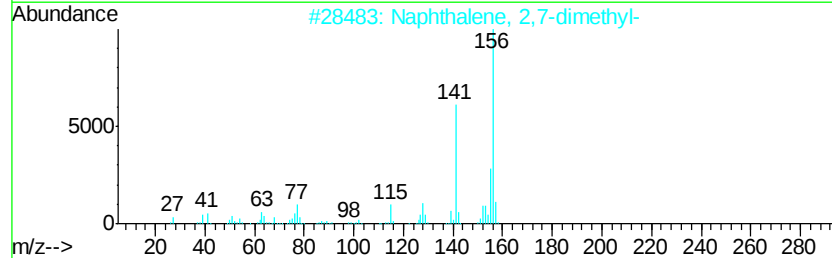
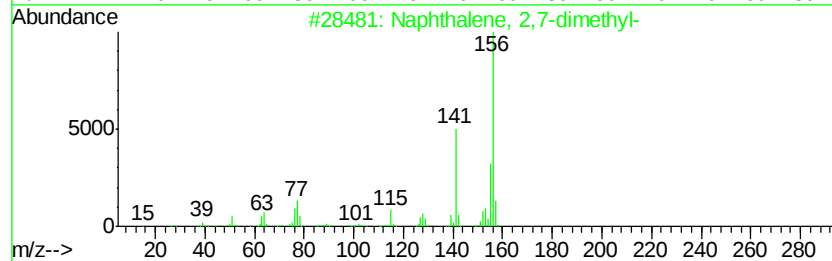
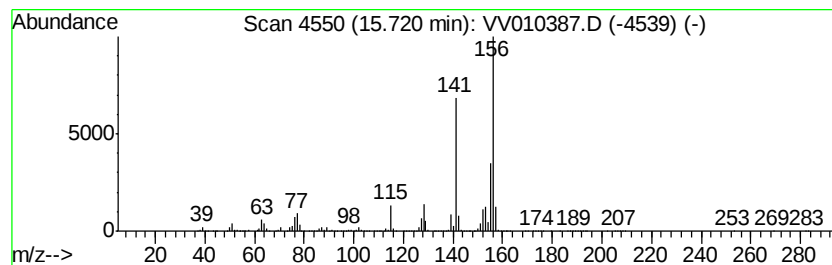
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 22 Naphthalene, 2,7-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.72 | 95.22 ug/L | 5337400 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010387.D  
Acq On : 19 Apr 2019 15:42  
Operator : SY/MD  
Sample : K2402-07  
Misc : 5.07G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis

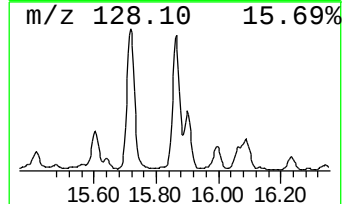
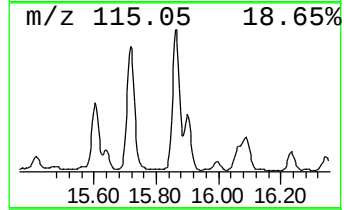
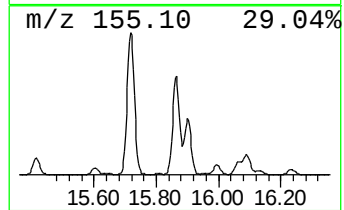
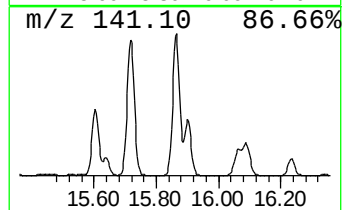
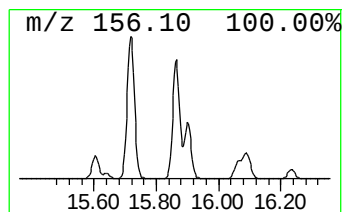
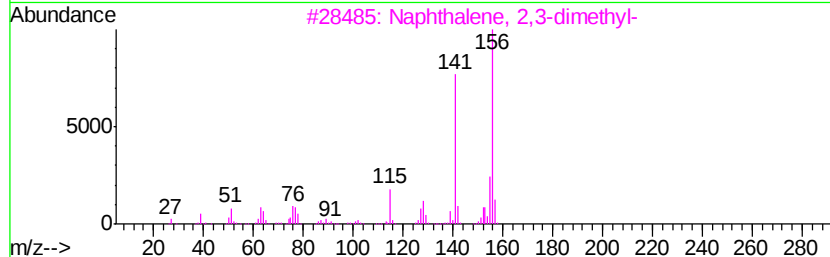
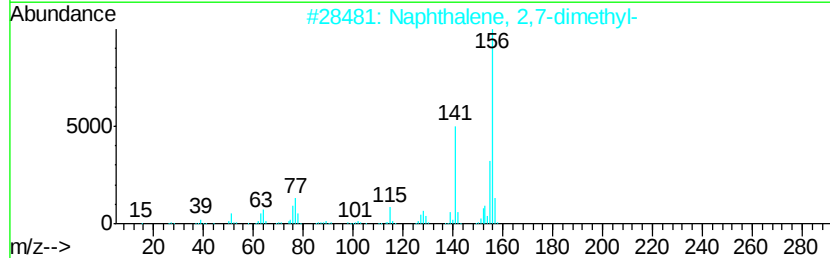
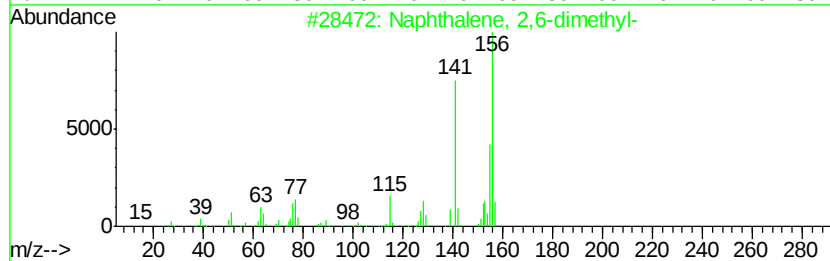
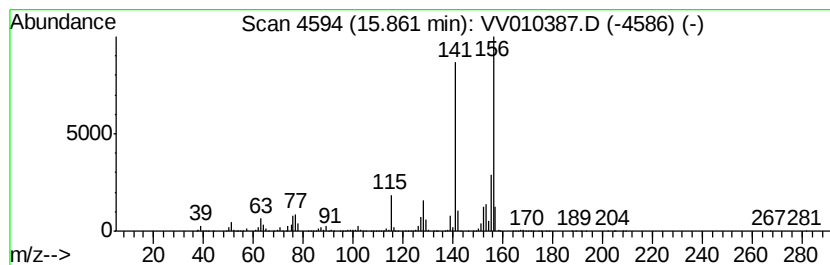
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 23 Naphthalene, 2,6-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.86 | 77.29 ug/L | 4332200 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV041819\  
 Data File : VV010387.D  
 Acq On : 19 Apr 2019 15:42  
 Operator : SY/MD  
 Sample : K2402-07  
 Misc : 5.07G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-ethyl-... | 10.49 | 3.4     | ug/L  | 187822   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1,2,3-tr... | 10.58 | 3.5     | ug/L  | 197029   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1-etheny... | 11.03 | 17.1    | ug/L  | 957363   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 2-propenyl- | 11.44 | 3.4     | ug/L  | 192261   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1-etheny... | 11.58 | 3.9     | ug/L  | 218612   | 3                     | 11.29 | 1401270 | 25.0 |
| Indene               | 11.79 | 13.7    | ug/L  | 769665   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 4-ethyl-... | 11.96 | 3.0     | ug/L  | 168867   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1-methyl... | 12.04 | 5.6     | ug/L  | 315481   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, (2-methy... | 12.24 | 29.2    | ug/L  | 1635420  | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 2-etheny... | 12.30 | 8.9     | ug/L  | 499984   | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1-ethyl-... | 12.51 | 22.2    | ug/L  | 1245310  | 3                     | 11.29 | 1401270 | 25.0 |
| Benzene, 1-methyl... | 12.64 | 24.0    | ug/L  | 1345240  | 3                     | 11.29 | 1401270 | 25.0 |
| 3-Phenylbut-1-ene    | 12.93 | 18.4    | ug/L  | 1028830  | 3                     | 11.29 | 1401270 | 25.0 |
| 2-Methylindene       | 12.99 | 50.0    | ug/L  | 2801710  | 3                     | 11.29 | 1401270 | 25.0 |
| 1H-Indene, 1-methyl- | 13.10 | 65.3    | ug/L  | 3662440  | 3                     | 11.29 | 1401270 | 25.0 |
| Naphthalene, 1-me... | 14.68 | 722.7   | ug/L  | 40510200 | 3                     | 11.29 | 1401270 | 25.0 |
| Naphthalene, 2,7-... | 15.72 | 95.2    | ug/L  | 5337400  | 3                     | 11.29 | 1401270 | 25.0 |
| Naphthalene, 2,6-... | 15.86 | 77.3    | ug/L  | 4332200  | 3                     | 11.29 | 1401270 | 25.0 |