

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
 Data File : VU030461.D  
 Acq On : 26 Mar 2019 22:14  
 Operator : JC/SP  
 Sample : K2063-06MS 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB6R7MS

## 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\_U\METHOD\SOMULM032319WMA.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      | 1.180    | 24         | 28       | 34        | rVB2  | 13894       | 13395      | 0.15%        | 0.036%     |
| 2      | 1.399    | 89         | 96       | 108       | rVB   | 281207      | 287497     | 3.32%        | 0.770%     |
| 3      | 1.662    | 171        | 178      | 189       | rBV   | 203731      | 254675     | 2.94%        | 0.682%     |
| 4      | 1.939    | 258        | 264      | 272       | rVB2  | 13383       | 16824      | 0.19%        | 0.045%     |
| 5      | 2.042    | 289        | 296      | 306       | rVB4  | 12102       | 19258      | 0.22%        | 0.052%     |
| 6      | 2.132    | 318        | 324      | 331       | rVV3  | 7698        | 10383      | 0.12%        | 0.028%     |
| 7      | 2.183    | 334        | 340      | 347       | rVB4  | 12029       | 17302      | 0.20%        | 0.046%     |
| 8      | 2.270    | 355        | 367      | 381       | rBV3  | 713459      | 1303482    | 15.04%       | 3.493%     |
| 9      | 2.476    | 429        | 431      | 437       | rVB2  | 3635        | 2985       | 0.03%        | 0.008%     |
| 10     | 2.608    | 469        | 472      | 481       | rBV2  | 1230        | 1850       | 0.02%        | 0.005%     |
| 11     | 2.678    | 484        | 494      | 506       | rBV2  | 21970       | 45099      | 0.52%        | 0.121%     |
| 12     | 2.736    | 507        | 512      | 519       | rVV4  | 7153        | 10959      | 0.13%        | 0.029%     |
| 13     | 2.788    | 520        | 528      | 540       | rVB4  | 15890       | 30300      | 0.35%        | 0.081%     |
| 14     | 2.939    | 569        | 575      | 579       | rBV   | 1622        | 1629       | 0.02%        | 0.004%     |
| 15     | 2.993    | 579        | 592      | 603       | rBV5  | 11883       | 27989      | 0.32%        | 0.075%     |
| 16     | 3.061    | 608        | 613      | 616       | rBV   | 1584        | 1502       | 0.02%        | 0.004%     |
| 17     | 3.183    | 644        | 651      | 652       | rBV2  | 2123        | 1636       | 0.02%        | 0.004%     |
| 18     | 3.299    | 676        | 687      | 696       | rVV3  | 6795        | 13282      | 0.15%        | 0.036%     |
| 19     | 3.421    | 720        | 725      | 728       | rBV2  | 2612        | 2831       | 0.03%        | 0.008%     |
| 20     | 3.559    | 765        | 768      | 782       | rVB6  | 6665        | 13517      | 0.16%        | 0.036%     |
| 21     | 3.646    | 789        | 795      | 797       | rBV3  | 2245        | 2443       | 0.03%        | 0.007%     |
| 22     | 3.736    | 809        | 823      | 824       | rBV5  | 6000        | 10878      | 0.13%        | 0.029%     |
| 23     | 3.878    | 864        | 867      | 870       | rBV2  | 2142        | 1872       | 0.02%        | 0.005%     |
| 24     | 4.029    | 910        | 914      | 916       | rBV   | 1947        | 1502       | 0.02%        | 0.004%     |
| 25     | 4.087    | 918        | 932      | 947       | rBV4  | 27244       | 72728      | 0.84%        | 0.195%     |
| 26     | 4.173    | 947        | 959      | 984       | rBV   | 212910      | 542172     | 6.25%        | 1.453%     |
| 27     | 4.643    | 1089       | 1105     | 1127      | rBV   | 303470      | 721216     | 8.32%        | 1.933%     |
| 28     | 4.990    | 1197       | 1213     | 1228      | rBV4  | 33531       | 81950      | 0.95%        | 0.220%     |
| 29     | 5.064    | 1232       | 1236     | 1241      | rVV3  | 1919        | 2340       | 0.03%        | 0.006%     |
| 30     | 5.206    | 1273       | 1280     | 1291      | rBV4  | 4560        | 8945       | 0.10%        | 0.024%     |
| 31     | 5.334    | 1297       | 1320     | 1326      | rBV2  | 651463      | 1789150    | 20.64%       | 4.794%     |
| 32     | 5.382    | 1328       | 1335     | 1353      | rVB   | 1609598     | 3268063    | 37.70%       | 8.757%     |
| 33     | 5.749    | 1446       | 1449     | 1453      | rBV   | 1608        | 1494       | 0.02%        | 0.004%     |
| 34     | 5.781    | 1453       | 1459     | 1466      | rVB3  | 3218        | 5002       | 0.06%        | 0.013%     |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 5.881  | 1477 | 1490 | 1508 | rBV  | 542097  | 1077552 | 12.43%  | 2.887%  |
| 36 | 6.183  | 1570 | 1584 | 1611 | rVB  | 416114  | 821177  | 9.47%   | 2.200%  |
| 37 | 6.324  | 1615 | 1628 | 1644 | rBV  | 429675  | 858008  | 9.90%   | 2.299%  |
| 38 | 6.630  | 1714 | 1723 | 1726 | rBV3 | 3826    | 5662    | 0.07%   | 0.015%  |
| 39 | 6.733  | 1752 | 1755 | 1759 | rVB  | 2458    | 2093    | 0.02%   | 0.006%  |
| 40 | 6.829  | 1767 | 1785 | 1789 | rBV6 | 6238    | 14740   | 0.17%   | 0.039%  |
| 41 | 6.900  | 1798 | 1807 | 1809 | rBV3 | 1582    | 2265    | 0.03%   | 0.006%  |
| 42 | 7.064  | 1847 | 1858 | 1868 | rVV4 | 10888   | 19646   | 0.23%   | 0.053%  |
| 43 | 7.225  | 1893 | 1908 | 1925 | rVV  | 235337  | 429958  | 4.96%   | 1.152%  |
| 44 | 7.369  | 1946 | 1953 | 1964 | rVB4 | 19671   | 32684   | 0.38%   | 0.088%  |
| 45 | 7.562  | 2000 | 2013 | 2023 | rBV  | 797255  | 1393928 | 16.08%  | 3.735%  |
| 46 | 7.633  | 2023 | 2035 | 2056 | rVB  | 5119553 | 8669589 | 100.00% | 23.231% |
| 47 | 7.845  | 2092 | 2101 | 2116 | rVB  | 168265  | 277339  | 3.20%   | 0.743%  |
| 48 | 8.041  | 2160 | 2162 | 2167 | rVB2 | 2463    | 1529    | 0.02%   | 0.004%  |
| 49 | 8.086  | 2173 | 2176 | 2182 | rVB5 | 2415    | 2627    | 0.03%   | 0.007%  |
| 50 | 8.164  | 2196 | 2200 | 2204 | rBV  | 2053    | 1851    | 0.02%   | 0.005%  |
| 51 | 8.205  | 2209 | 2213 | 2218 | rBV  | 2145    | 1895    | 0.02%   | 0.005%  |
| 52 | 8.244  | 2218 | 2225 | 2231 | rBV2 | 3594    | 4892    | 0.06%   | 0.013%  |
| 53 | 8.308  | 2234 | 2245 | 2286 | rBV  | 696140  | 1250367 | 14.42%  | 3.351%  |
| 54 | 8.501  | 2296 | 2305 | 2319 | rVB4 | 10162   | 23407   | 0.27%   | 0.063%  |
| 55 | 8.585  | 2324 | 2331 | 2342 | rVB2 | 16012   | 29947   | 0.35%   | 0.080%  |
| 56 | 8.649  | 2343 | 2351 | 2358 | rVB3 | 3754    | 5994    | 0.07%   | 0.016%  |
| 57 | 8.784  | 2389 | 2393 | 2399 | rVB3 | 2647    | 2717    | 0.03%   | 0.007%  |
| 58 | 9.029  | 2460 | 2469 | 2474 | rBV5 | 10991   | 17587   | 0.20%   | 0.047%  |
| 59 | 9.086  | 2475 | 2487 | 2491 | rBV  | 826876  | 1308682 | 15.10%  | 3.507%  |
| 60 | 9.247  | 2526 | 2537 | 2560 | rVB  | 565145  | 920743  | 10.62%  | 2.467%  |
| 61 | 9.369  | 2563 | 2575 | 2611 | rVB  | 1882289 | 3130534 | 36.11%  | 8.389%  |
| 62 | 9.565  | 2633 | 2636 | 2640 | rVB2 | 2330    | 1762    | 0.02%   | 0.005%  |
| 63 | 9.729  | 2678 | 2687 | 2689 | rBV2 | 3470    | 4150    | 0.05%   | 0.011%  |
| 64 | 9.774  | 2689 | 2701 | 2723 | rVV  | 970116  | 1595753 | 18.41%  | 4.276%  |
| 65 | 10.006 | 2766 | 2773 | 2775 | rBV3 | 2174    | 2840    | 0.03%   | 0.008%  |
| 66 | 10.073 | 2787 | 2794 | 2800 | rBV5 | 3521    | 4611    | 0.05%   | 0.012%  |
| 67 | 10.164 | 2815 | 2822 | 2832 | rVB3 | 23812   | 39992   | 0.46%   | 0.107%  |
| 68 | 10.427 | 2890 | 2904 | 2923 | rBV  | 597856  | 979337  | 11.30%  | 2.624%  |
| 69 | 10.546 | 2937 | 2941 | 2943 | rBV3 | 1914    | 1556    | 0.02%   | 0.004%  |
| 70 | 10.585 | 2944 | 2953 | 2965 | rVB  | 62665   | 99706   | 1.15%   | 0.267%  |
| 71 | 10.678 | 2971 | 2982 | 3001 | rBV  | 306875  | 658243  | 7.59%   | 1.764%  |

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Filtering: 5  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.768 | 3001 | 3010 | 3029 | rVB  | 133887 | 219248  | 2.53%  | 0.588% |
| 73  | 10.967 | 3061 | 3072 | 3093 | rBV  | 129101 | 210718  | 2.43%  | 0.565% |
| 74  | 11.048 | 3093 | 3097 | 3103 | rBV  | 1827   | 1894    | 0.02%  | 0.005% |
| 75  | 11.144 | 3114 | 3127 | 3143 | rBV  | 519850 | 821889  | 9.48%  | 2.202% |
| 76  | 11.327 | 3179 | 3184 | 3192 | rVB2 | 3011   | 4057    | 0.05%  | 0.011% |
| 77  | 11.421 | 3206 | 3213 | 3220 | rVV6 | 7568   | 10756   | 0.12%  | 0.029% |
| 78  | 11.482 | 3220 | 3232 | 3250 | rVV  | 759057 | 1253990 | 14.46% | 3.360% |
| 79  | 11.569 | 3251 | 3259 | 3272 | rVB  | 154772 | 246036  | 2.84%  | 0.659% |
| 80  | 11.765 | 3308 | 3320 | 3329 | rBV  | 156981 | 267165  | 3.08%  | 0.716% |
| 81  | 11.858 | 3338 | 3349 | 3371 | rVB  | 769513 | 1306968 | 15.08% | 3.502% |
| 82  | 11.980 | 3378 | 3387 | 3401 | rVB  | 43608  | 69032   | 0.80%  | 0.185% |
| 83  | 12.054 | 3404 | 3410 | 3418 | rVV2 | 9137   | 12369   | 0.14%  | 0.033% |
| 84  | 12.144 | 3430 | 3438 | 3443 | rBV3 | 20642  | 31062   | 0.36%  | 0.083% |
| 85  | 12.250 | 3462 | 3471 | 3479 | rBV  | 29459  | 49374   | 0.57%  | 0.132% |
| 86  | 12.353 | 3494 | 3503 | 3520 | rBV  | 28821  | 51573   | 0.59%  | 0.138% |
| 87  | 12.553 | 3556 | 3565 | 3577 | rBV5 | 9606   | 15252   | 0.18%  | 0.041% |
| 88  | 12.649 | 3586 | 3595 | 3603 | rBV2 | 17806  | 26684   | 0.31%  | 0.072% |
| 89  | 12.700 | 3603 | 3611 | 3622 | rVV2 | 26121  | 40080   | 0.46%  | 0.107% |
| 90  | 12.964 | 3685 | 3693 | 3706 | rVB2 | 25244  | 40002   | 0.46%  | 0.107% |
| 91  | 13.122 | 3733 | 3742 | 3754 | rVB2 | 52691  | 83303   | 0.96%  | 0.223% |
| 92  | 13.289 | 3783 | 3794 | 3806 | rBV6 | 11098  | 22372   | 0.26%  | 0.060% |
| 93  | 13.382 | 3819 | 3823 | 3827 | rBV  | 1811   | 1585    | 0.02%  | 0.004% |
| 94  | 13.405 | 3827 | 3830 | 3834 | rBV2 | 1566   | 1457    | 0.02%  | 0.004% |
| 95  | 13.511 | 3858 | 3863 | 3868 | rVB5 | 5863   | 5866    | 0.07%  | 0.016% |
| 96  | 13.742 | 3921 | 3935 | 3960 | rBV  | 105713 | 223888  | 2.58%  | 0.600% |
| 97  | 14.147 | 4058 | 4061 | 4063 | rBV2 | 2352   | 1753    | 0.02%  | 0.005% |
| 98  | 14.273 | 4096 | 4100 | 4108 | rVB3 | 2552   | 3535    | 0.04%  | 0.009% |
| 99  | 14.903 | 4287 | 4296 | 4307 | rBV5 | 5799   | 13448   | 0.16%  | 0.036% |
| 100 | 15.787 | 4568 | 4571 | 4576 | rBV2 | 2115   | 1685    | 0.02%  | 0.005% |

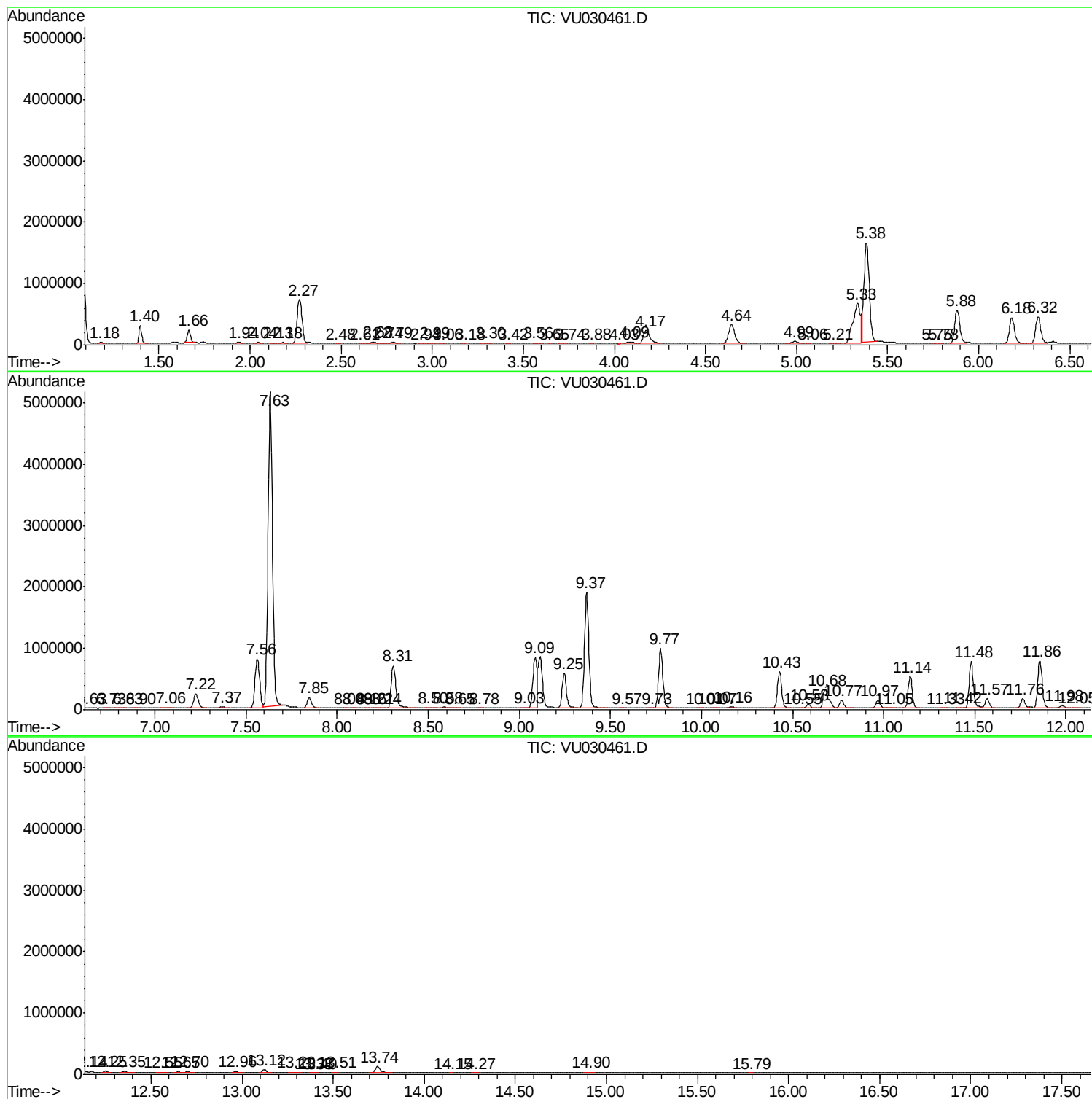
Sum of corrected areas: 37318554

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Instrument :  
MSVOA\_U  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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



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Instrument :  
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ClientSampleId :  
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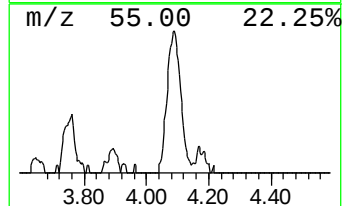
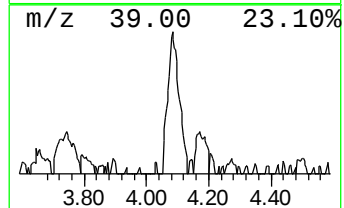
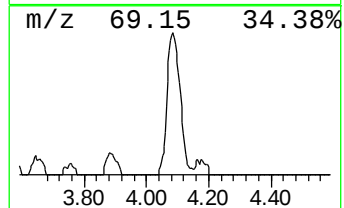
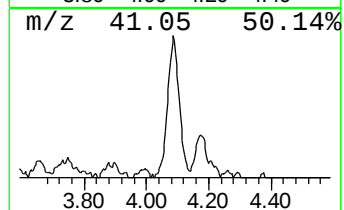
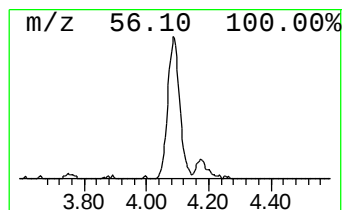
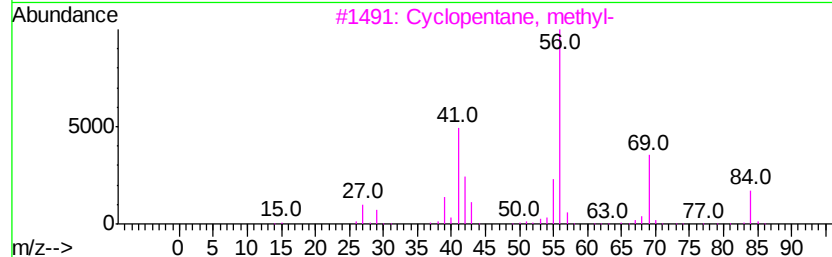
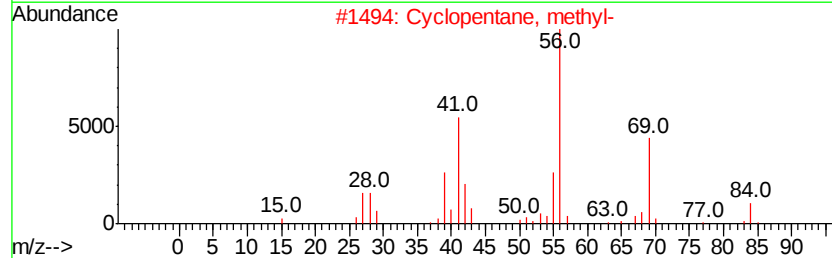
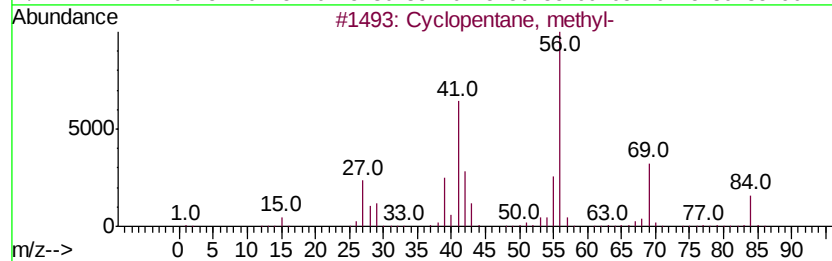
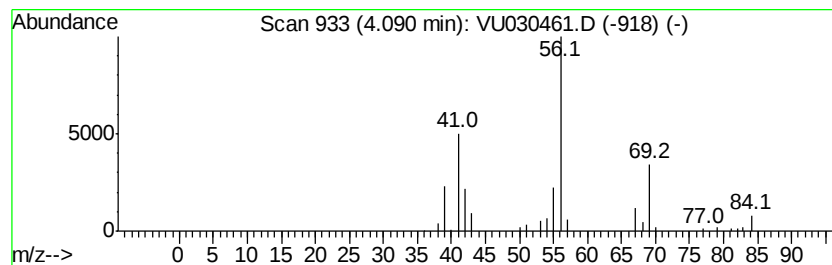
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 10

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.09 | 3.37 ug/L | 72728 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 90   |
| 2    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 83   |
| 3    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 78   |
| 4    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 72   |
| 5    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |



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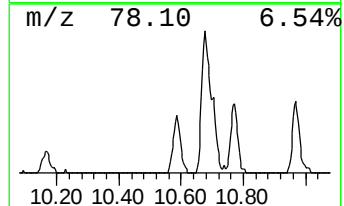
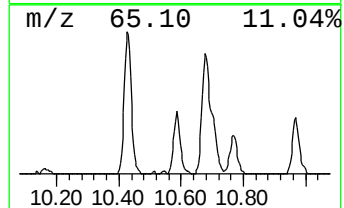
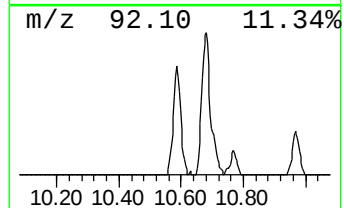
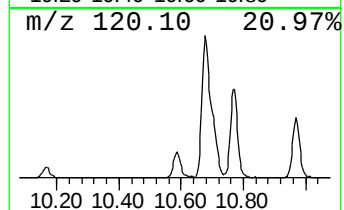
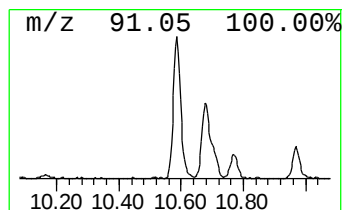
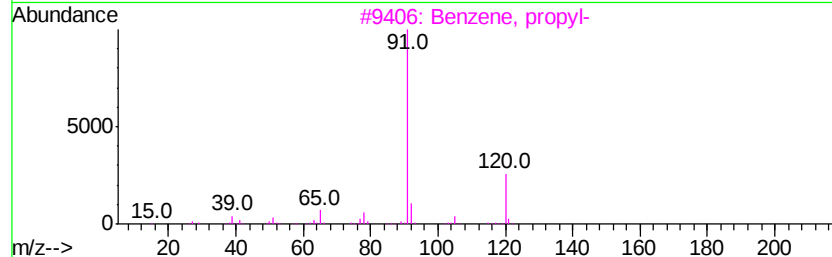
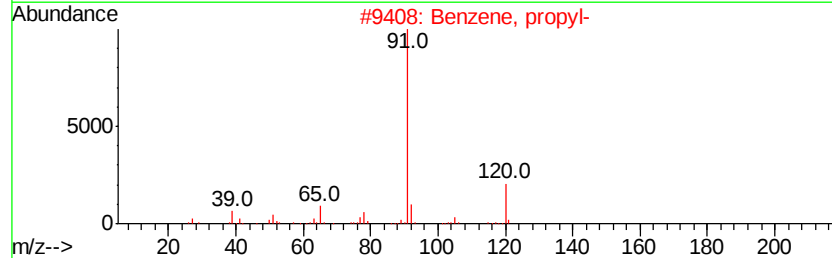
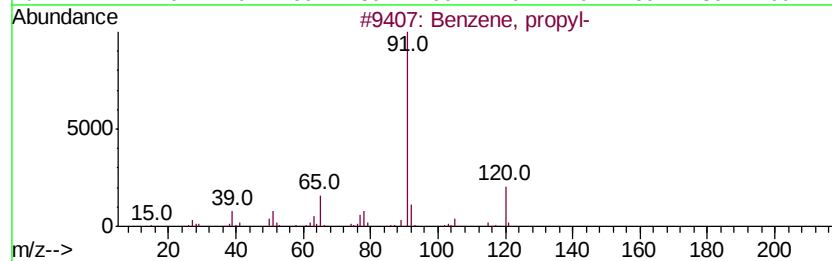
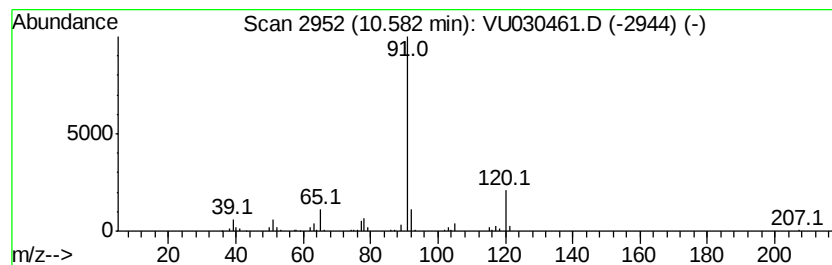
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 3 Benzene, propyl- Concentration Rank 9

| R.T.    | EstConc   | Area                      | Relative to ISTD       | R.T.           |
|---------|-----------|---------------------------|------------------------|----------------|
| 10.58   | 3.98 ug/L | 99706                     | 1,4-Dichlorobenzene-d4 | 11.48          |
| Hit# of | 5         | Tentative ID              | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, propyl-          | 120 C9H12              | 000103-65-1 90 |
| 2       |           | Benzene, propyl-          | 120 C9H12              | 000103-65-1 87 |
| 3       |           | Benzene, propyl-          | 120 C9H12              | 000103-65-1 80 |
| 4       |           | N-Benzyl-2-phenethylamine | 211 C15H17N            | 003647-71-0 72 |
| 5       |           | Benzeneacetaldehyde       | 120 C8H8O              | 000122-78-1 53 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

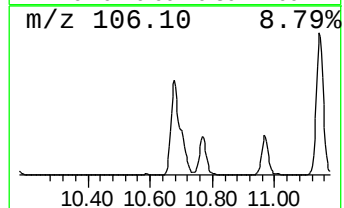
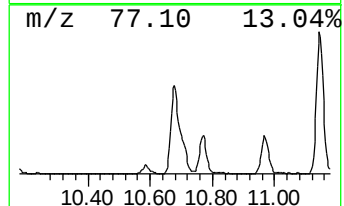
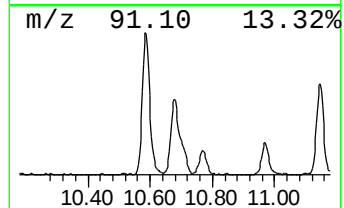
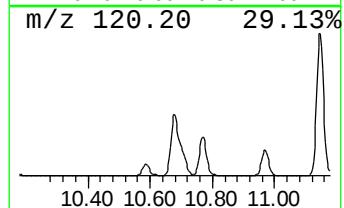
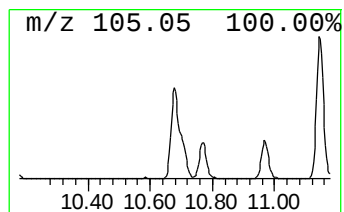
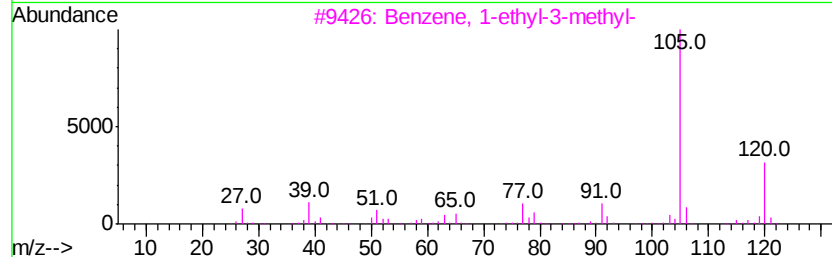
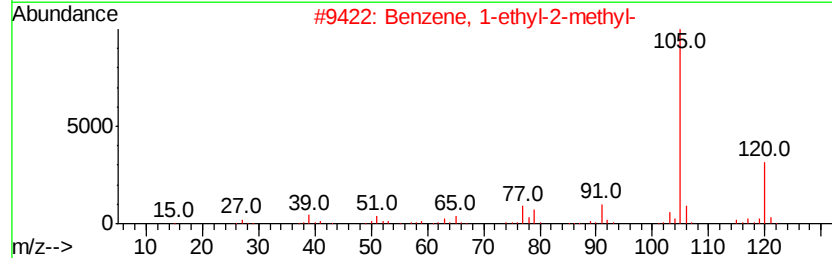
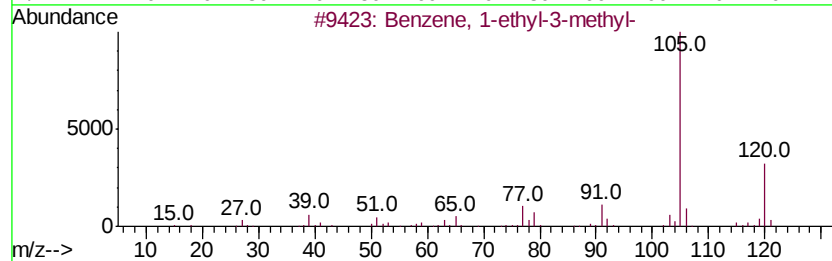
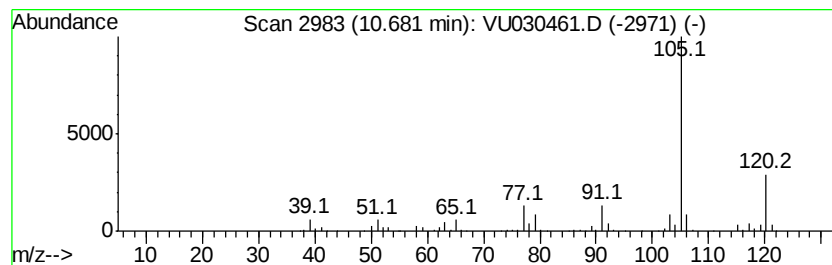
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 10.68 | 26.25 ug/L | 658243 | 1,4-Dichlorobenzene-d4 | 11.48 |

| 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-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 4    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

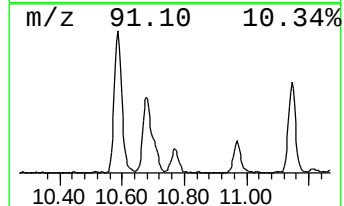
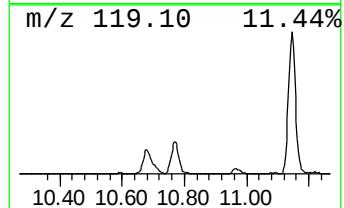
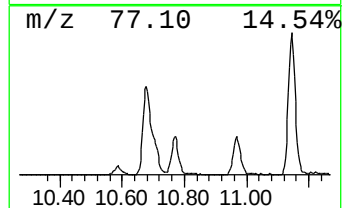
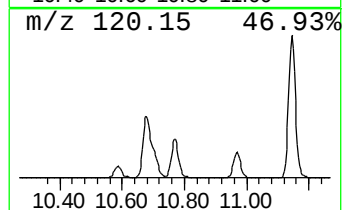
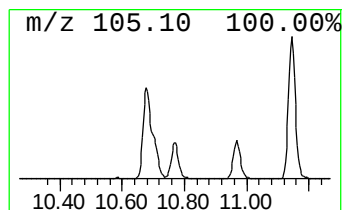
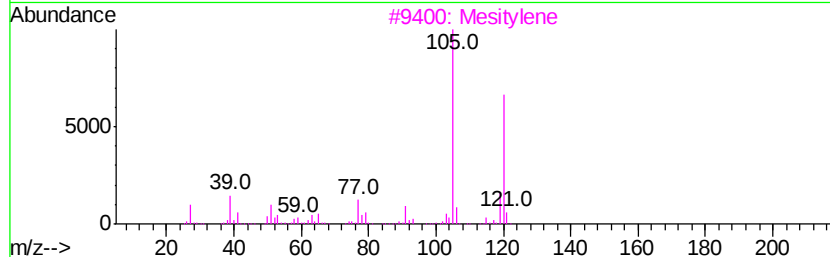
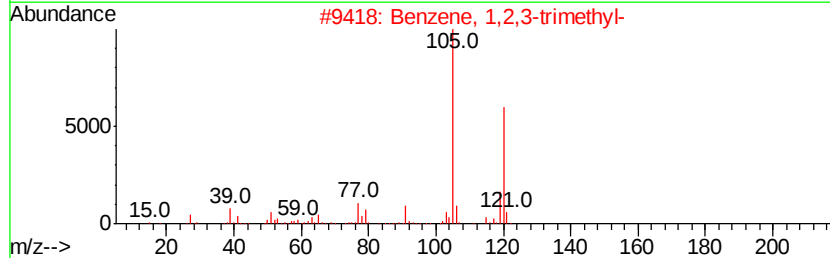
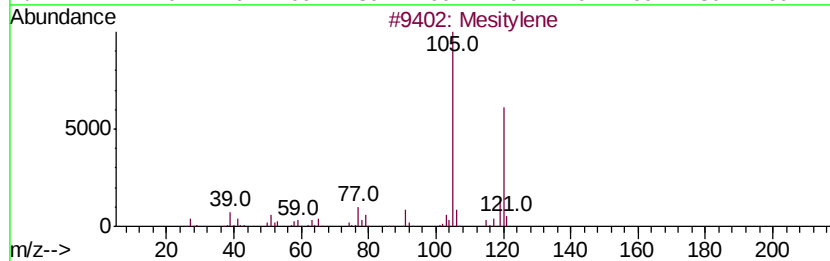
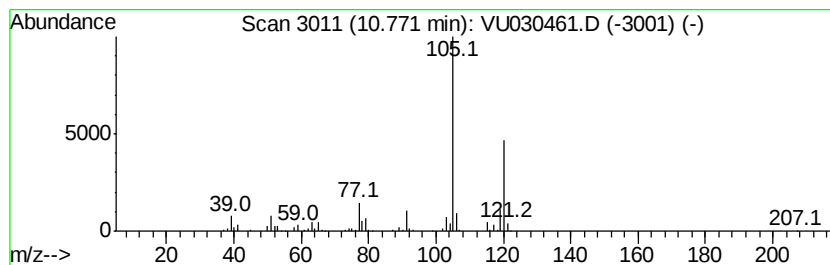
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Mesitylene Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.77 | 8.74 ug/L | 219248 | 1,4-Dichlorobenzene-d4 | 11.48 |

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

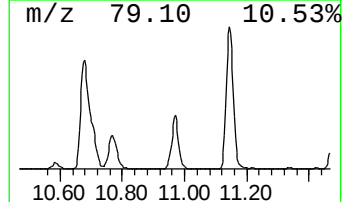
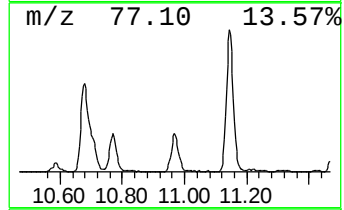
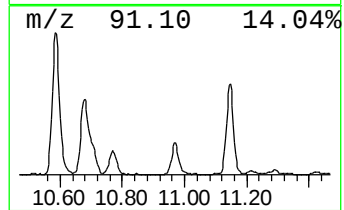
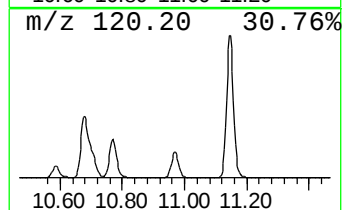
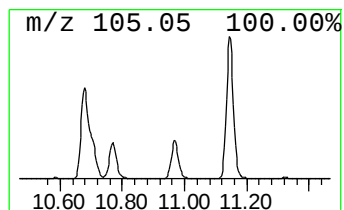
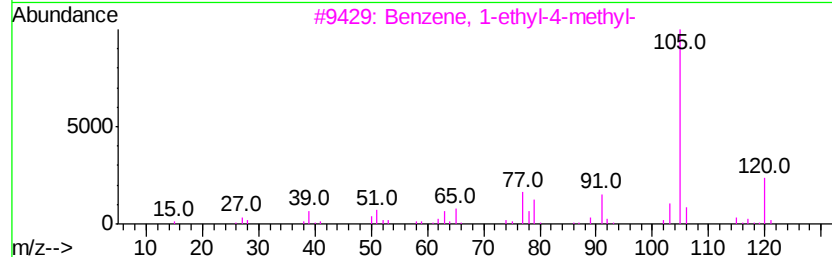
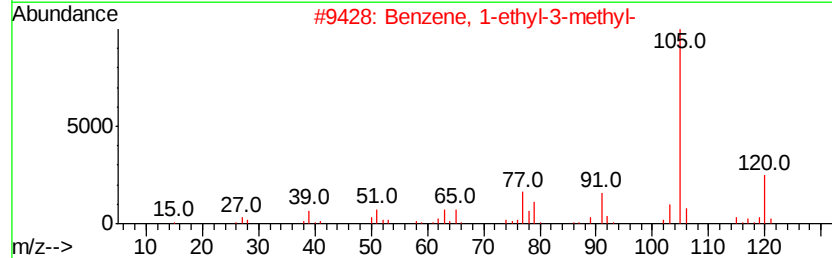
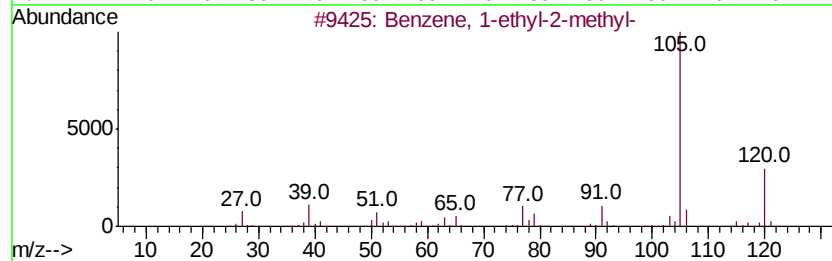
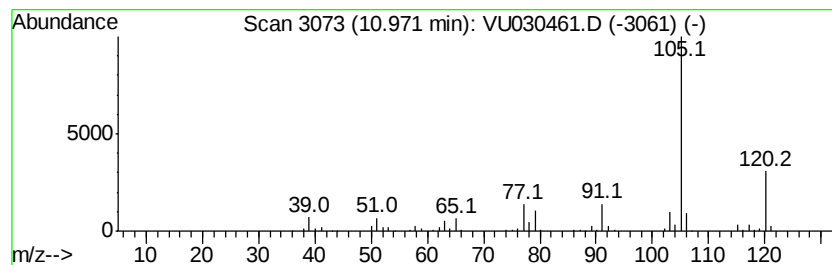
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 10.97 | 8.40 ug/L | 210718 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

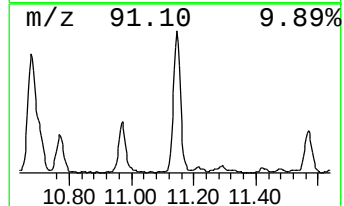
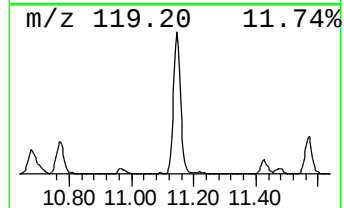
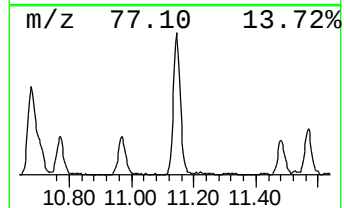
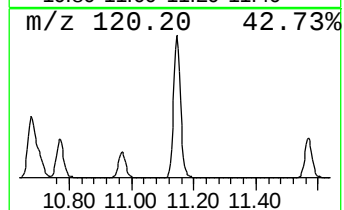
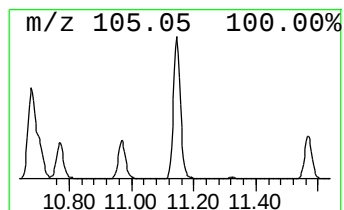
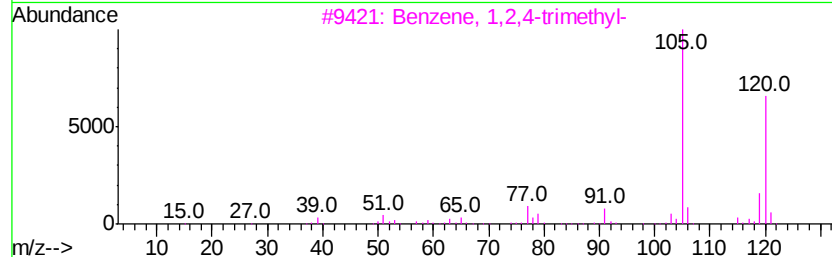
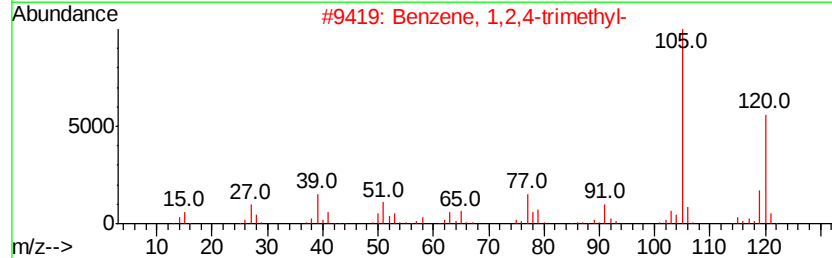
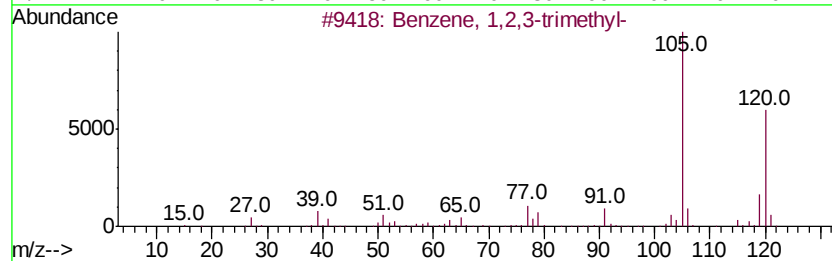
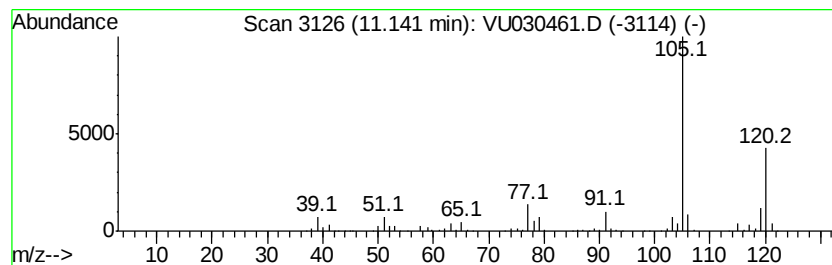
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.14 | 32.77 ug/L | 821889 | 1,4-Dichlorobenzene-d4 | 11.48 |

| 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    |    | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 94   |
| 4    |    | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 94   |
| 5    |    | Mesitylene                | 120 | C9H12   | 000108-67-8 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

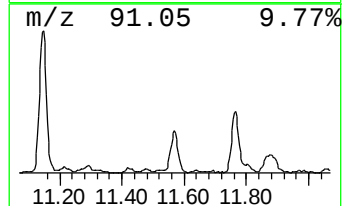
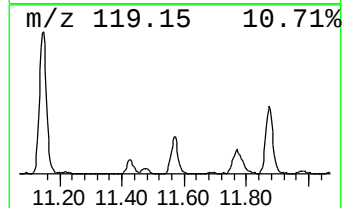
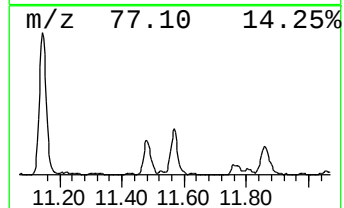
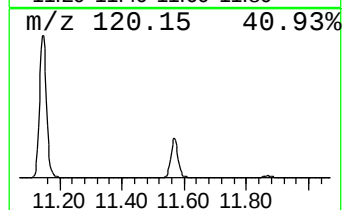
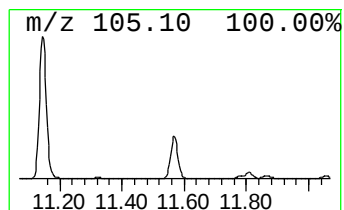
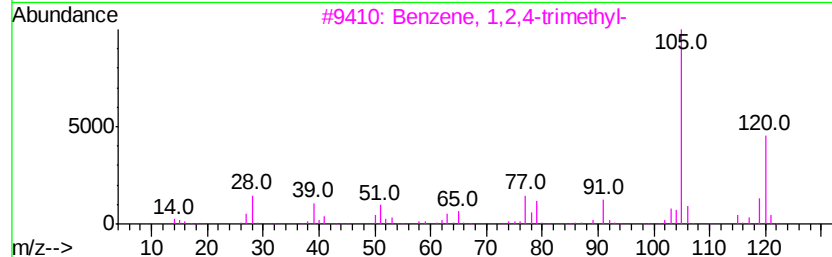
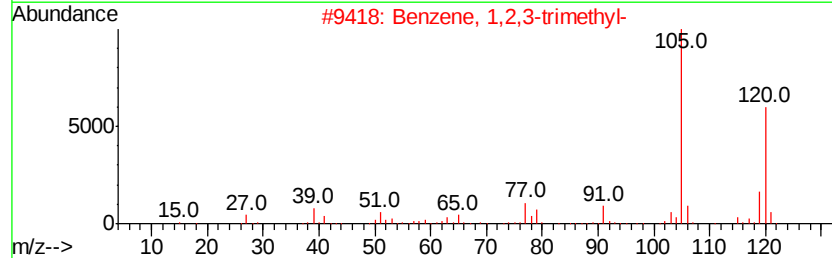
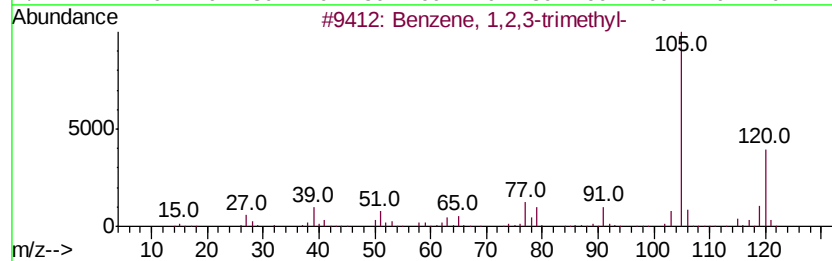
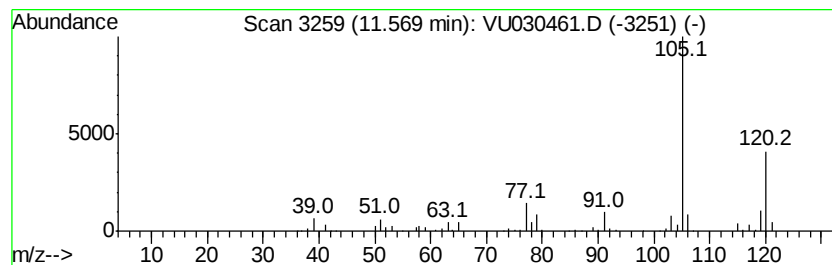
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 5

| R.T.      | EstConc                   | Area   | Relative to ISTD       | R.T.        |      |
|-----------|---------------------------|--------|------------------------|-------------|------|
| 11.57     | 9.81 ug/L                 | 246036 | 1,4-Dichlorobenzene-d4 | 11.48       |      |
| Hit# of 5 | Tentative ID              | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1,2,3-trimethyl- | 120    | C9H12                  | 000526-73-8 | 95   |
| 2         | Benzene, 1,2,3-trimethyl- | 120    | C9H12                  | 000526-73-8 | 93   |
| 3         | Benzene, 1,2,4-trimethyl- | 120    | C9H12                  | 000095-63-6 | 91   |
| 4         | Benzene, 1,2,3-trimethyl- | 120    | C9H12                  | 000526-73-8 | 91   |
| 5         | Mesitylene                | 120    | C9H12                  | 000108-67-8 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

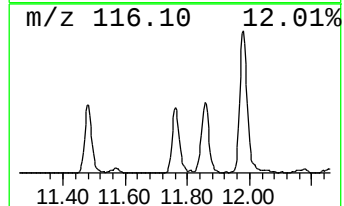
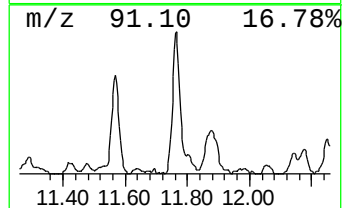
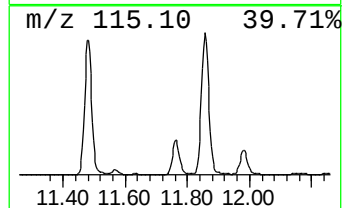
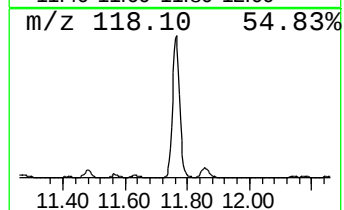
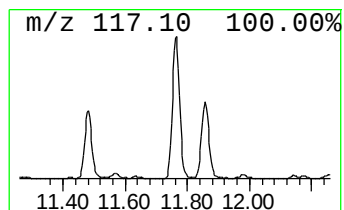
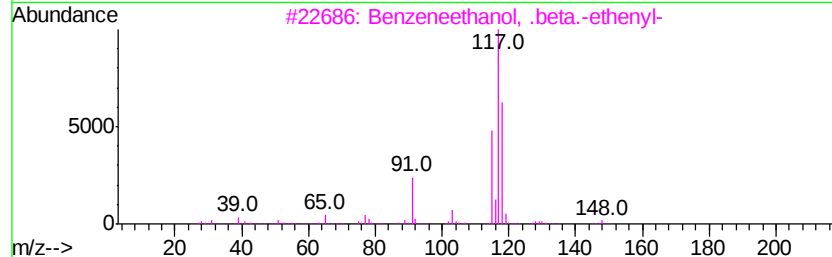
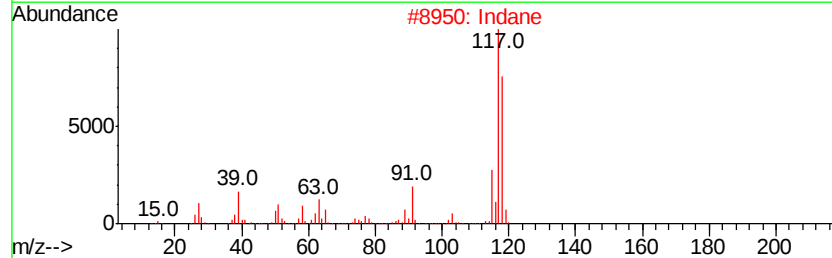
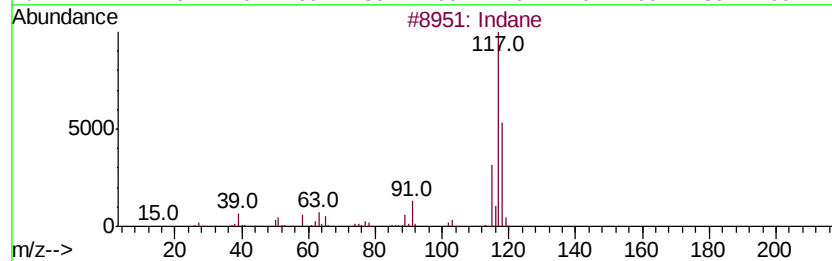
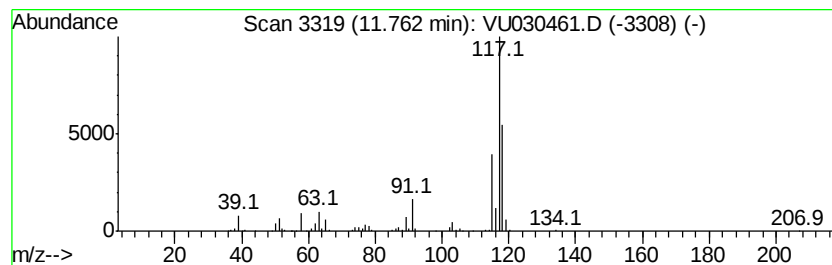
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 9 Indane Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 11.76 | 10.65 ug/L | 267165 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indane                          | 118 | C9H10   | 000496-11-7 | 94   |
| 2    |    | Indane                          | 118 | C9H10   | 000496-11-7 | 87   |
| 3    |    | Benzeneethanol, .beta.-ethenvl- | 148 | C10H12O | 006052-63-7 | 86   |
| 4    |    | Indane                          | 118 | C9H10   | 000496-11-7 | 76   |
| 5    |    | Benzene, cyclopropyl-           | 118 | C9H10   | 000873-49-4 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

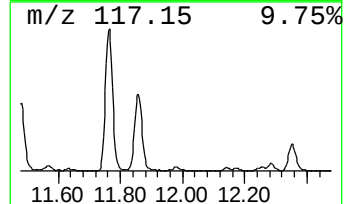
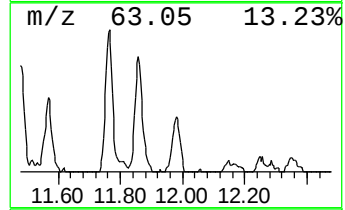
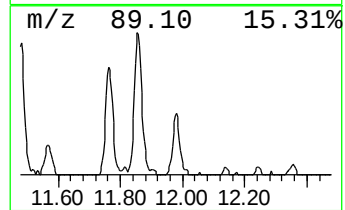
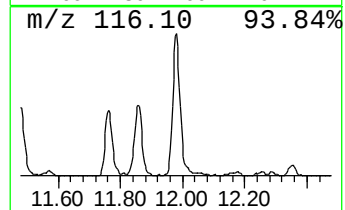
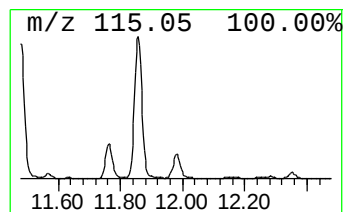
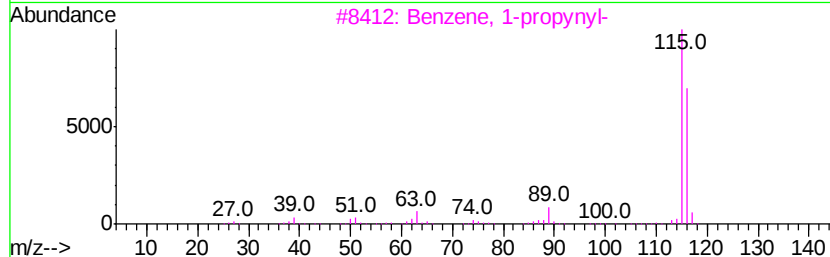
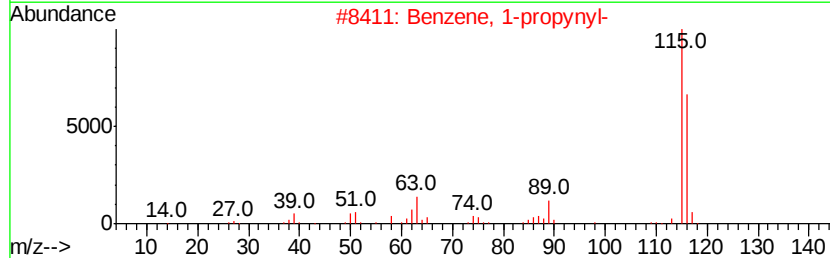
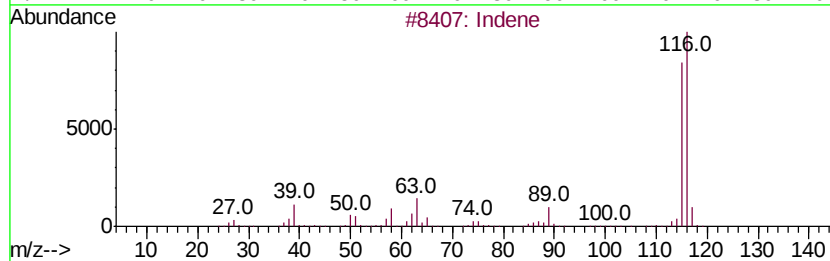
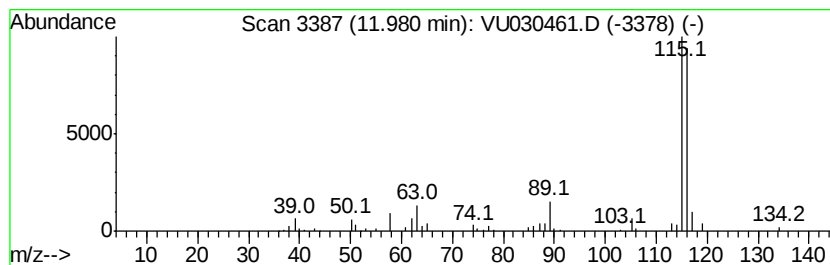
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 10 Indene Concentration Rank 12

| R.T.      | EstConc                 | Area  | Relative to ISTD       |             | R.T.  |
|-----------|-------------------------|-------|------------------------|-------------|-------|
| 11.98     | 2.75 ug/L               | 69032 | 1,4-Dichlorobenzene-d4 |             | 11.48 |
| Hit# of 5 | Tentative ID            | MW    | MolForm                | CAS#        | Qual  |
| 1         | Indene                  | 116   | C9H8                   | 000095-13-6 | 93    |
| 2         | Benzene, 1-propynyl-    | 116   | C9H8                   | 000673-32-5 | 91    |
| 3         | Benzene, 1-propynyl-    | 116   | C9H8                   | 000673-32-5 | 91    |
| 4         | 3-Methylphenylacetylene | 116   | C9H8                   | 000766-82-5 | 91    |
| 5         | Benzene, 1-propynyl-    | 116   | C9H8                   | 000673-32-5 | 91    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

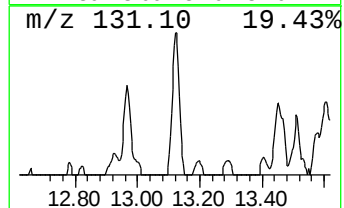
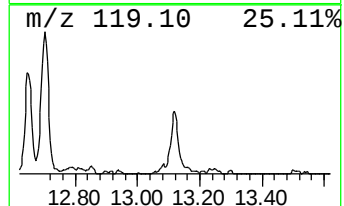
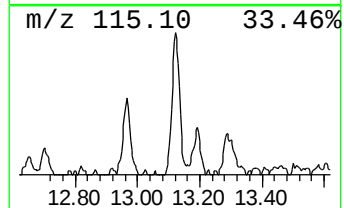
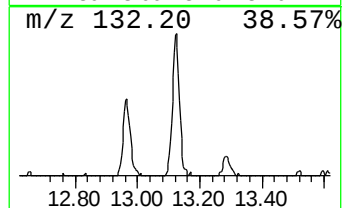
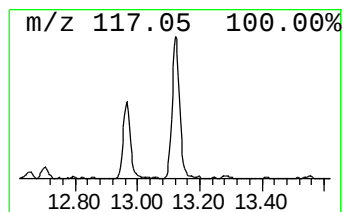
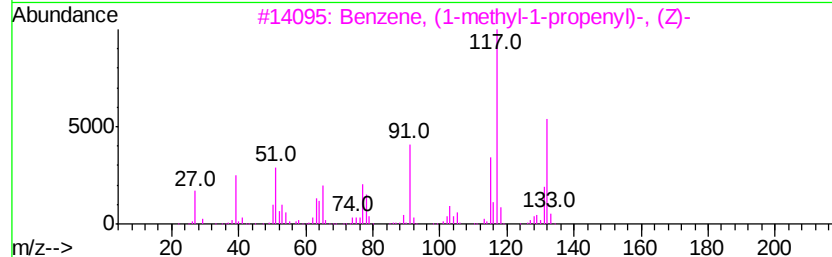
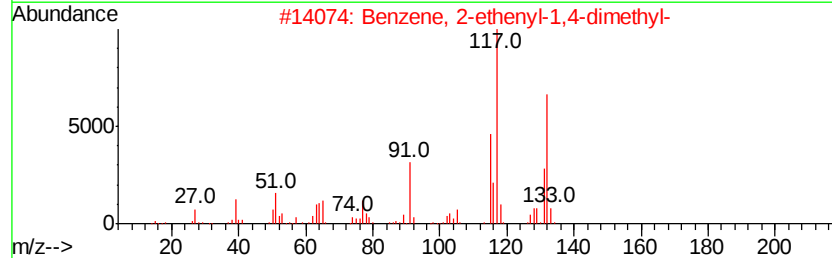
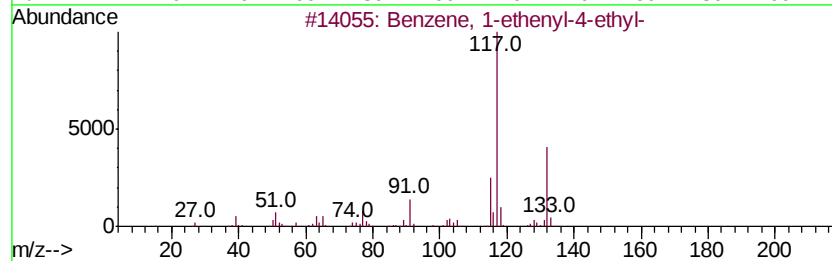
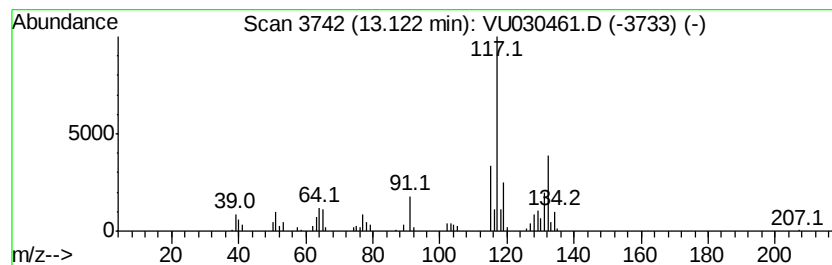
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 11

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.12 | 3.32 ug/L | 83303 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 93   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 93   |
| 3    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 87   |
| 4    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 81   |
| 5    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 81   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU032619\  
Data File : VU030461.D  
Acq On : 26 Mar 2019 22:14  
Operator : JC/SP  
Sample : K2063-06MS 100X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6R7MS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.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 |
| Cyclopentane, met... | 4.09  | 3.4     | ug/L  | 72728    | 1                     | 5.88  | 1077550 | 50.0 |
| Benzene, propyl-     | 10.58 | 4.0     | ug/L  | 99706    | 3                     | 11.48 | 1253990 | 50.0 |
| Benzene, 1-ethyl-... | 10.68 | 26.3    | ug/L  | 658243   | 3                     | 11.48 | 1253990 | 50.0 |
| Mesitylene           | 10.77 | 8.7     | ug/L  | 219248   | 3                     | 11.48 | 1253990 | 50.0 |
| Benzene, 1-ethyl-... | 10.97 | 8.4     | ug/L  | 210718   | 3                     | 11.48 | 1253990 | 50.0 |
| Benzene, 1,2,3-tr... | 11.14 | 32.8    | ug/L  | 821889   | 3                     | 11.48 | 1253990 | 50.0 |
| Benzene, 1,2,4-tr... | 11.57 | 9.8     | ug/L  | 246036   | 3                     | 11.48 | 1253990 | 50.0 |
| Indane               | 11.76 | 10.7    | ug/L  | 267165   | 3                     | 11.48 | 1253990 | 50.0 |
| Indene               | 11.98 | 2.8     | ug/L  | 69032    | 3                     | 11.48 | 1253990 | 50.0 |
| Benzene, 1-etheny... | 13.12 | 3.3     | ug/L  | 83303    | 3                     | 11.48 | 1253990 | 50.0 |