

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
 Data File : VU032804.D  
 Acq On : 17 Jun 2019 23:33  
 Operator : JC/SP  
 Sample : K3363-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JT5

## 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\SOMULM061719WMA.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         | 1.180       | 24            | 28          | 37           | rVB      | 7197           | 6723          | 0.51%           | 0.064%        |
| 2         | 1.395       | 88            | 95          | 105          | rBV      | 124979         | 122821        | 9.23%           | 1.177%        |
| 3         | 1.675       | 174           | 182         | 204          | rVB      | 96469          | 120051        | 9.02%           | 1.150%        |
| 4         | 2.267       | 355           | 366         | 377          | rBV      | 202877         | 301493        | 22.66%          | 2.889%        |
| 5         | 2.501       | 436           | 439         | 443          | rBV2     | 433            | 324           | 0.02%           | 0.003%        |
| 6         | 2.598       | 465           | 469         | 470          | rBV3     | 331            | 260           | 0.02%           | 0.002%        |
| 7         | 2.614       | 470           | 474         | 480          | rVV4     | 1215           | 1514          | 0.11%           | 0.015%        |
| 8         | 2.694       | 491           | 499         | 509          | rBV2     | 5280           | 8857          | 0.67%           | 0.085%        |
| 9         | 2.759       | 516           | 519         | 523          | rBV2     | 455            | 397           | 0.03%           | 0.004%        |
| 10        | 2.945       | 572           | 577         | 579          | rBV2     | 319            | 310           | 0.02%           | 0.003%        |
| 11        | 3.151       | 636           | 641         | 643          | rBV3     | 333            | 294           | 0.02%           | 0.003%        |
| 12        | 3.244       | 666           | 670         | 674          | rBV3     | 257            | 289           | 0.02%           | 0.003%        |
| 13        | 3.363       | 704           | 707         | 712          | rVB3     | 300            | 270           | 0.02%           | 0.003%        |
| 14        | 3.566       | 767           | 770         | 775          | rBV3     | 367            | 305           | 0.02%           | 0.003%        |
| 15        | 3.669       | 798           | 802         | 804          | rBV2     | 307            | 245           | 0.02%           | 0.002%        |
| 16        | 3.720       | 813           | 818         | 820          | rBV      | 346            | 284           | 0.02%           | 0.003%        |
| 17        | 3.817       | 844           | 848         | 851          | rBV2     | 337            | 309           | 0.02%           | 0.003%        |
| 18        | 3.900       | 871           | 874         | 877          | rBV2     | 540            | 400           | 0.03%           | 0.004%        |
| 19        | 3.929       | 877           | 883         | 885          | rBV4     | 261            | 245           | 0.02%           | 0.002%        |
| 20        | 3.993       | 896           | 903         | 907          | rBV4     | 554            | 630           | 0.05%           | 0.006%        |
| 21        | 4.013       | 907           | 909         | 911          | rBV      | 410            | 227           | 0.02%           | 0.002%        |
| 22        | 4.170       | 945           | 958         | 990          | rBV      | 83259          | 219359        | 16.49%          | 2.102%        |
| 23        | 4.543       | 1071          | 1074        | 1077         | rVB2     | 454            | 255           | 0.02%           | 0.002%        |
| 24        | 4.640       | 1086          | 1104        | 1130         | rBV      | 150639         | 351917        | 26.45%          | 3.372%        |
| 25        | 4.765       | 1141          | 1143        | 1147         | rVB      | 403            | 288           | 0.02%           | 0.003%        |
| 26        | 4.784       | 1147          | 1149        | 1151         | rBV3     | 480            | 252           | 0.02%           | 0.002%        |
| 27        | 4.868       | 1168          | 1175        | 1179         | rBV3     | 866            | 978           | 0.07%           | 0.009%        |
| 28        | 4.974       | 1205          | 1208        | 1212         | rVV2     | 386            | 326           | 0.02%           | 0.003%        |
| 29        | 5.045       | 1224          | 1230        | 1233         | rBV2     | 264            | 351           | 0.03%           | 0.003%        |
| 30        | 5.334       | 1295          | 1320        | 1346         | rVV2     | 299935         | 881077        | 66.23%          | 8.441%        |
| 31        | 5.546       | 1377          | 1386        | 1404         | rVB4     | 5742           | 13008         | 0.98%           | 0.125%        |
| 32        | 5.701       | 1432          | 1434        | 1441         | rVB3     | 516            | 381           | 0.03%           | 0.004%        |
| 33        | 5.746       | 1443          | 1448        | 1450         | rBV3     | 563            | 481           | 0.04%           | 0.005%        |
| 34        | 5.791       | 1458          | 1462        | 1465         | rBV2     | 365            | 364           | 0.03%           | 0.003%        |

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Integrator: RTE  
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Filtering: 5  
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 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\SOMULM061719WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 5.881 | 1474 | 1490 | 1518 | rBV  | 281405 | 551904  | 41.48%  | 5.288%  |
| 36 | 6.180 | 1571 | 1583 | 1603 | rVB  | 56709  | 109483  | 8.23%   | 1.049%  |
| 37 | 6.324 | 1614 | 1628 | 1647 | rBV  | 201346 | 400486  | 30.10%  | 3.837%  |
| 38 | 6.421 | 1650 | 1658 | 1678 | rVB2 | 6020   | 12841   | 0.97%   | 0.123%  |
| 39 | 6.537 | 1685 | 1694 | 1698 | rBV2 | 2721   | 4578    | 0.34%   | 0.044%  |
| 40 | 6.575 | 1700 | 1706 | 1714 | rVV2 | 4273   | 7153    | 0.54%   | 0.069%  |
| 41 | 6.697 | 1731 | 1744 | 1776 | rBV  | 754927 | 1330419 | 100.00% | 12.747% |
| 42 | 7.051 | 1850 | 1854 | 1857 | rBV3 | 449    | 332     | 0.02%   | 0.003%  |
| 43 | 7.222 | 1894 | 1907 | 1928 | rBV  | 115982 | 206297  | 15.51%  | 1.977%  |
| 44 | 7.414 | 1952 | 1967 | 1993 | rBV  | 139076 | 242774  | 18.25%  | 2.326%  |
| 45 | 7.559 | 1999 | 2012 | 2030 | rBV  | 421052 | 728290  | 54.74%  | 6.978%  |
| 46 | 7.791 | 2082 | 2084 | 2089 | rVB2 | 733    | 469     | 0.04%   | 0.004%  |
| 47 | 7.842 | 2089 | 2100 | 2120 | rBV2 | 96088  | 165702  | 12.45%  | 1.588%  |
| 48 | 8.016 | 2152 | 2154 | 2158 | rVB4 | 392    | 265     | 0.02%   | 0.003%  |
| 49 | 8.045 | 2159 | 2163 | 2168 | rBV2 | 444    | 456     | 0.03%   | 0.004%  |
| 50 | 8.106 | 2177 | 2182 | 2184 | rBV3 | 259    | 255     | 0.02%   | 0.002%  |
| 51 | 8.151 | 2184 | 2196 | 2211 | rBV  | 77236  | 129170  | 9.71%   | 1.238%  |
| 52 | 8.228 | 2211 | 2220 | 2221 | rVV4 | 7935   | 9356    | 0.70%   | 0.090%  |
| 53 | 8.257 | 2223 | 2229 | 2235 | rVV2 | 24464  | 38307   | 2.88%   | 0.367%  |
| 54 | 8.305 | 2235 | 2244 | 2265 | rVV  | 291595 | 498212  | 37.45%  | 4.773%  |
| 55 | 8.411 | 2266 | 2277 | 2302 | rVV  | 495066 | 791198  | 59.47%  | 7.580%  |
| 56 | 8.521 | 2302 | 2311 | 2332 | rVB  | 32779  | 57747   | 4.34%   | 0.553%  |
| 57 | 8.765 | 2384 | 2387 | 2389 | rBV2 | 396    | 290     | 0.02%   | 0.003%  |
| 58 | 8.810 | 2398 | 2401 | 2407 | rVB  | 419    | 285     | 0.02%   | 0.003%  |
| 59 | 8.842 | 2407 | 2411 | 2414 | rBV3 | 325    | 301     | 0.02%   | 0.003%  |
| 60 | 8.900 | 2414 | 2429 | 2445 | rBV  | 335999 | 532674  | 40.04%  | 5.103%  |
| 61 | 9.083 | 2474 | 2486 | 2514 | rVB  | 421735 | 698681  | 52.52%  | 6.694%  |
| 62 | 9.260 | 2537 | 2541 | 2543 | rBV2 | 367    | 255     | 0.02%   | 0.002%  |
| 63 | 9.286 | 2548 | 2549 | 2558 | rVB3 | 471    | 467     | 0.04%   | 0.004%  |
| 64 | 9.421 | 2586 | 2591 | 2596 | rBV2 | 428    | 568     | 0.04%   | 0.005%  |
| 65 | 9.447 | 2596 | 2599 | 2605 | rVB2 | 336    | 297     | 0.02%   | 0.003%  |
| 66 | 9.524 | 2619 | 2623 | 2625 | rVB  | 474    | 315     | 0.02%   | 0.003%  |
| 67 | 9.540 | 2625 | 2628 | 2635 | rVB3 | 262    | 267     | 0.02%   | 0.003%  |
| 68 | 9.601 | 2639 | 2647 | 2661 | rVV3 | 4085   | 7210    | 0.54%   | 0.069%  |
| 69 | 9.762 | 2689 | 2697 | 2712 | rBV3 | 12120  | 18684   | 1.40%   | 0.179%  |
| 70 | 9.890 | 2732 | 2737 | 2741 | rBV  | 318    | 324     | 0.02%   | 0.003%  |
| 71 | 9.964 | 2757 | 2760 | 2763 | rBV3 | 411    | 246     | 0.02%   | 0.002%  |

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## Integration Parameters: LSCINT.P

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 Sampling : 1  
 Start Thrs: 0.2  
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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.012 | 2769 | 2775 | 2777 | rBV4 | 379    | 343    | 0.03%  | 0.003% |
| 73  | 10.057 | 2786 | 2789 | 2794 | rVB3 | 359    | 311    | 0.02%  | 0.003% |
| 74  | 10.090 | 2795 | 2799 | 2803 | rBV2 | 351    | 323    | 0.02%  | 0.003% |
| 75  | 10.118 | 2803 | 2808 | 2811 | rBV2 | 286    | 306    | 0.02%  | 0.003% |
| 76  | 10.167 | 2820 | 2823 | 2826 | rVB3 | 505    | 364    | 0.03%  | 0.003% |
| 77  | 10.276 | 2854 | 2857 | 2861 | rVB3 | 324    | 242    | 0.02%  | 0.002% |
| 78  | 10.427 | 2891 | 2904 | 2922 | rBV  | 288034 | 464937 | 34.95% | 4.454% |
| 79  | 10.537 | 2935 | 2938 | 2942 | rVB3 | 335    | 284    | 0.02%  | 0.003% |
| 80  | 10.662 | 2975 | 2977 | 2984 | rVB3 | 435    | 351    | 0.03%  | 0.003% |
| 81  | 10.971 | 3069 | 3073 | 3080 | rVB3 | 454    | 493    | 0.04%  | 0.005% |
| 82  | 11.048 | 3090 | 3097 | 3102 | rBV3 | 265    | 362    | 0.03%  | 0.003% |
| 83  | 11.138 | 3122 | 3125 | 3128 | rBV2 | 345    | 252    | 0.02%  | 0.002% |
| 84  | 11.382 | 3198 | 3201 | 3205 | rVB2 | 468    | 361    | 0.03%  | 0.003% |
| 85  | 11.414 | 3207 | 3211 | 3216 | rBV3 | 428    | 377    | 0.03%  | 0.004% |
| 86  | 11.479 | 3218 | 3231 | 3257 | rBV  | 435068 | 697397 | 52.42% | 6.682% |
| 87  | 11.755 | 3315 | 3317 | 3321 | rVB2 | 484    | 335    | 0.03%  | 0.003% |
| 88  | 11.778 | 3321 | 3324 | 3329 | rVB2 | 484    | 452    | 0.03%  | 0.004% |
| 89  | 11.855 | 3335 | 3348 | 3383 | rBV  | 417361 | 683537 | 51.38% | 6.549% |
| 90  | 12.057 | 3407 | 3411 | 3414 | rBV4 | 700    | 563    | 0.04%  | 0.005% |
| 91  | 12.115 | 3427 | 3429 | 3433 | rBV3 | 339    | 258    | 0.02%  | 0.002% |
| 92  | 12.305 | 3485 | 3488 | 3492 | rBV3 | 487    | 304    | 0.02%  | 0.003% |
| 93  | 12.552 | 3563 | 3565 | 3577 | rVB4 | 538    | 844    | 0.06%  | 0.008% |
| 94  | 12.675 | 3601 | 3603 | 3606 | rVB2 | 483    | 255    | 0.02%  | 0.002% |
| 95  | 12.813 | 3643 | 3646 | 3652 | rVB3 | 528    | 453    | 0.03%  | 0.004% |
| 96  | 13.170 | 3755 | 3757 | 3759 | rBV2 | 473    | 312    | 0.02%  | 0.003% |
| 97  | 13.286 | 3789 | 3793 | 3796 | rBV3 | 535    | 400    | 0.03%  | 0.004% |
| 98  | 13.498 | 3855 | 3859 | 3865 | rBV4 | 382    | 408    | 0.03%  | 0.004% |
| 99  | 13.527 | 3865 | 3868 | 3871 | rVB2 | 464    | 339    | 0.03%  | 0.003% |
| 100 | 14.231 | 4084 | 4087 | 4092 | rVB4 | 564    | 463    | 0.03%  | 0.004% |

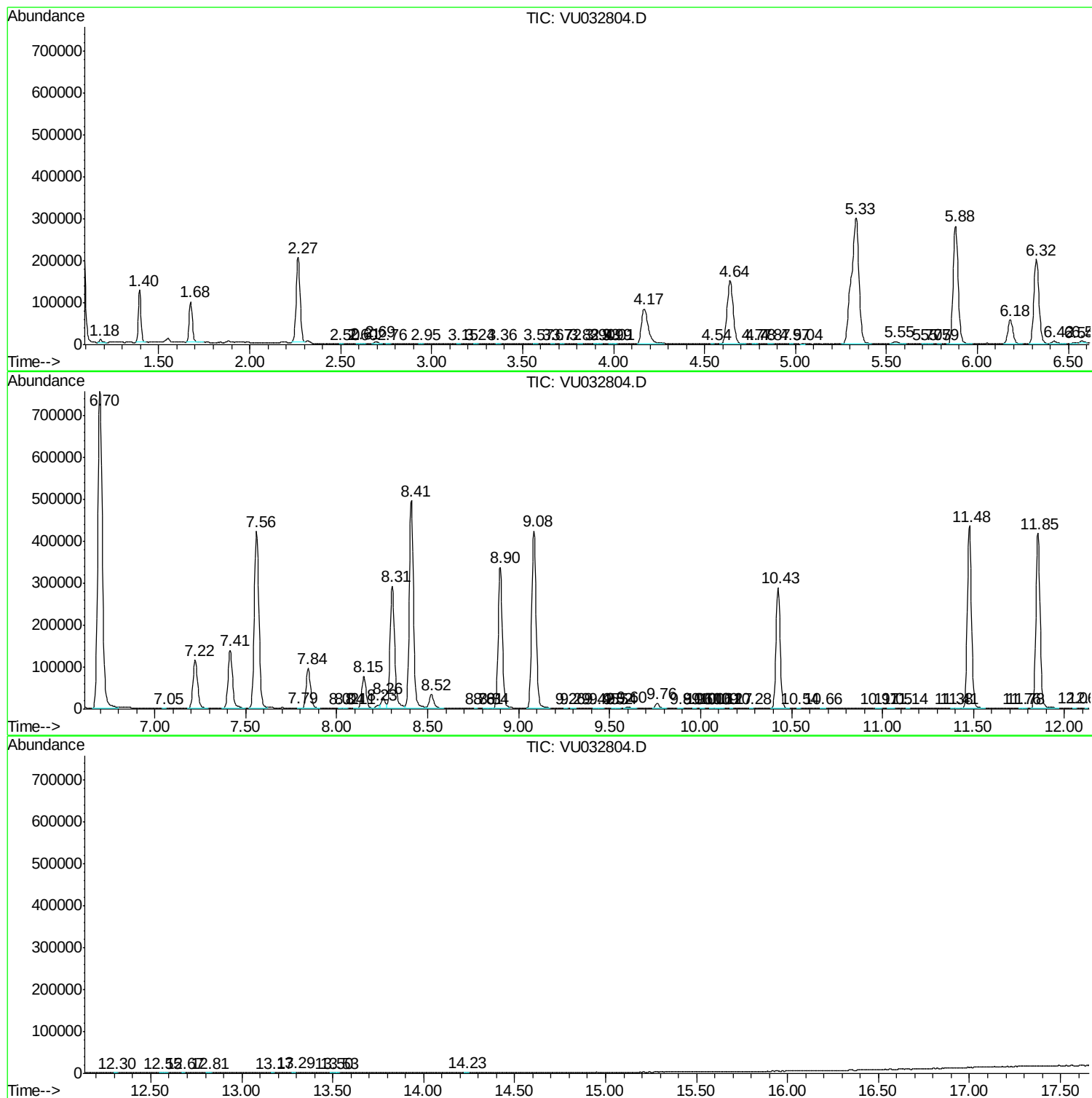
Sum of corrected areas: 10437469

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

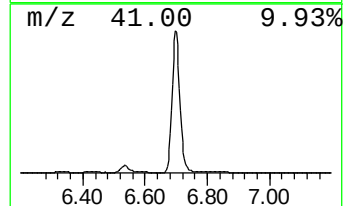
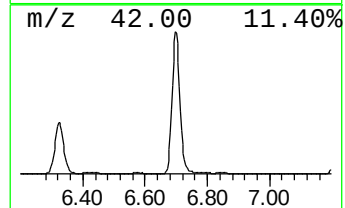
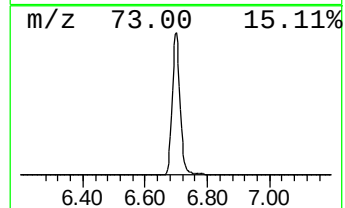
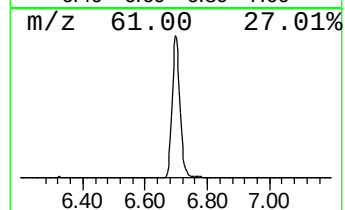
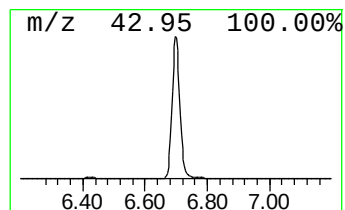
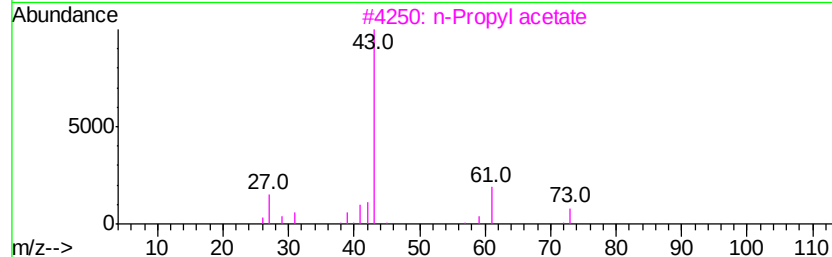
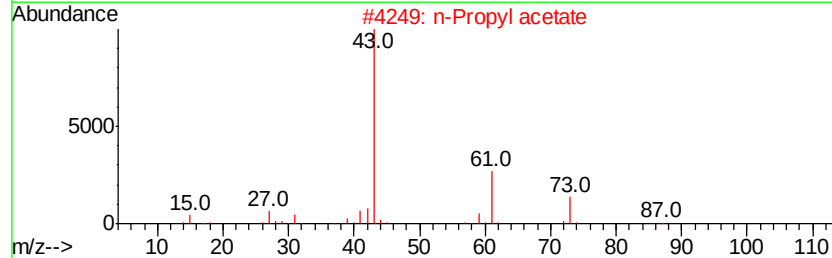
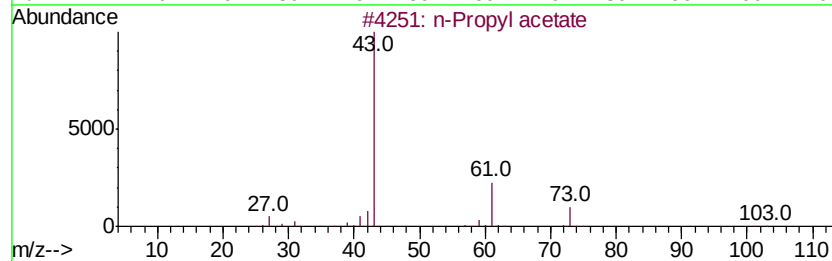
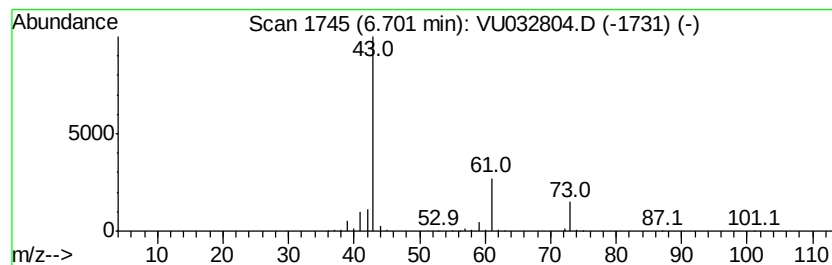
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Propyl acetate Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 6.70 | 120.53 ug/L | 1330420 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 83   |
| 2    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 3    |    | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 59   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | Isobutyl acetate  | 116 | C6H12O2 | 000110-19-0 | 9    |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

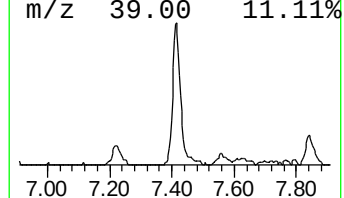
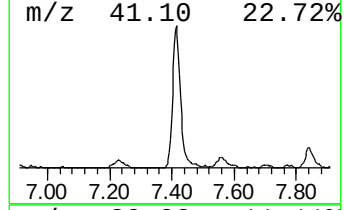
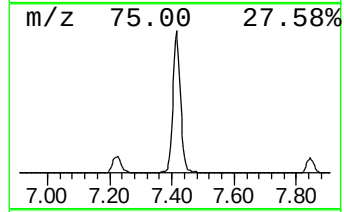
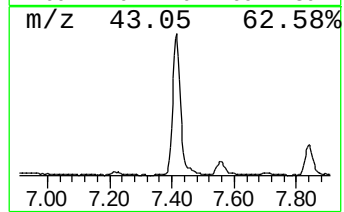
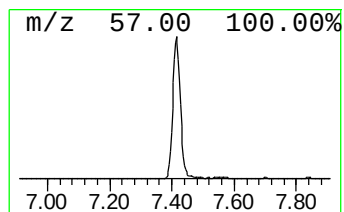
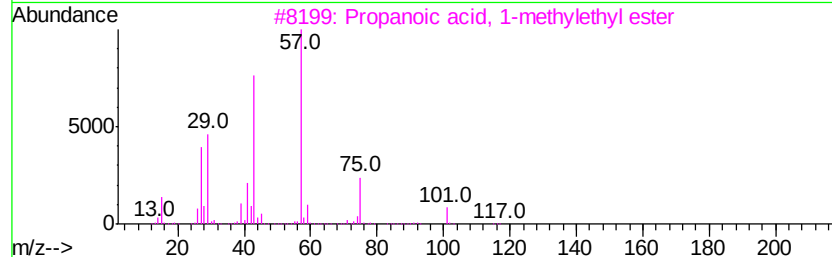
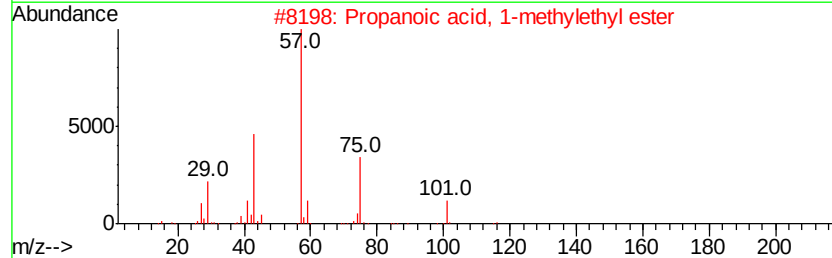
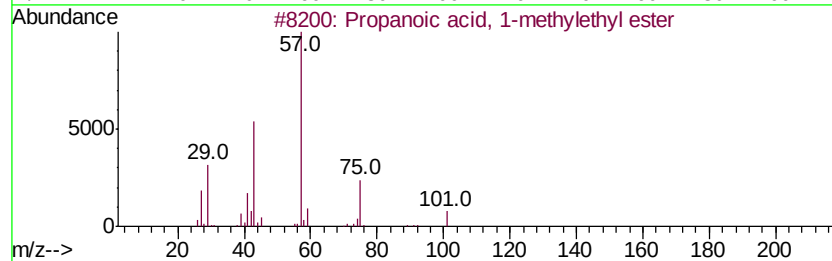
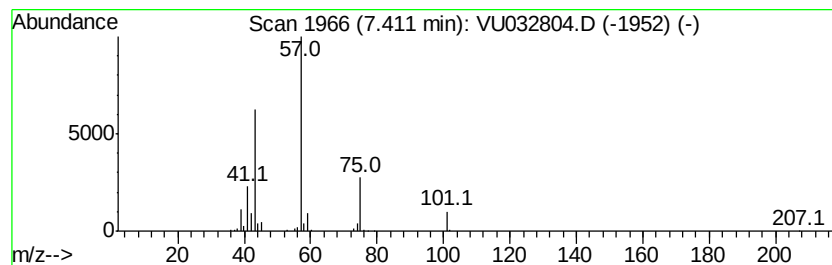
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Propanoic acid, 1-methyleth... Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.41 | 21.99 ug/L | 242774 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 90   |
| 2    |    | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 78   |
| 3    |    | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 53   |
| 4    |    | Propanoic acid, propyl ester        | 116 | C6H12O2 | 000106-36-5 | 45   |
| 5    |    | Propanoic acid, propyl ester        | 116 | C6H12O2 | 000106-36-5 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
Data File : VU032804.D  
Acq On : 17 Jun 2019 23:33  
Operator : JC/SP  
Sample : K3363-01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

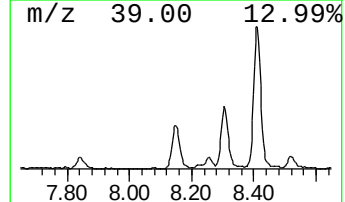
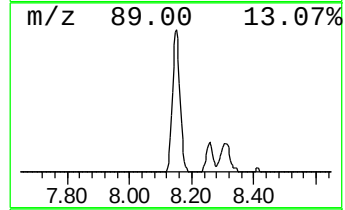
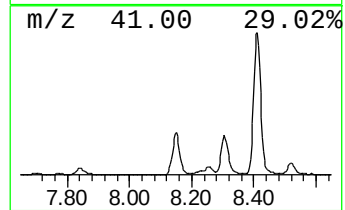
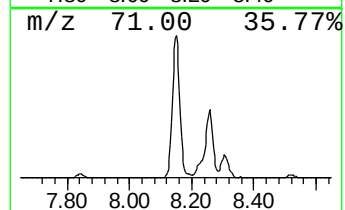
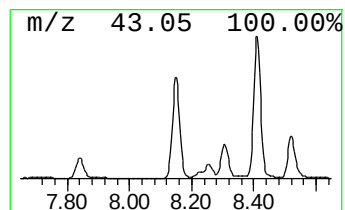
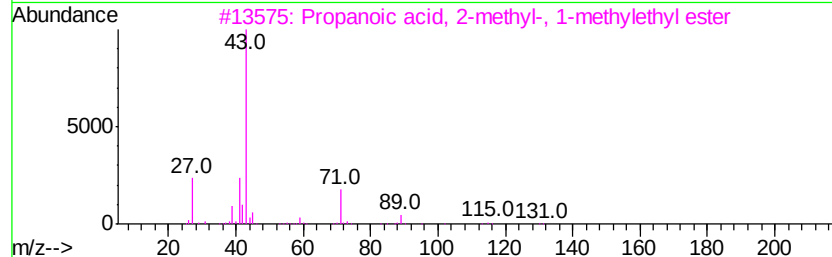
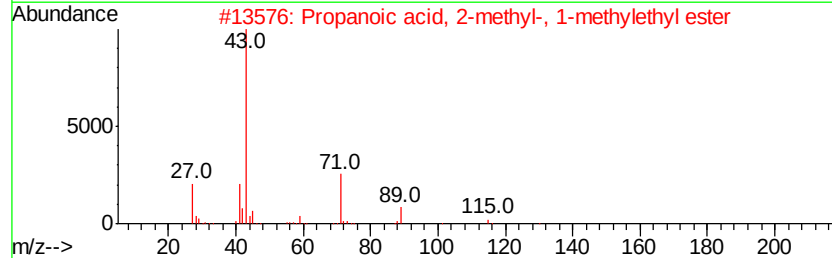
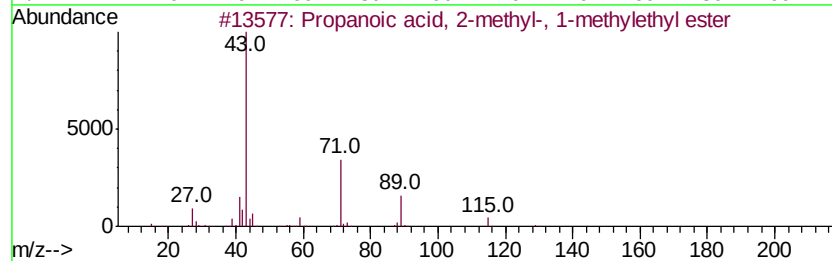
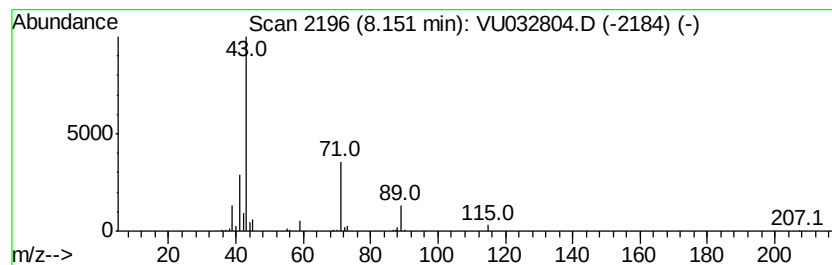
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.15 | 9.24 ug/L | 129170 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83   |
| 2    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 83   |
| 3    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78   |
| 4    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 56   |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
Data File : VU032804.D  
Acq On : 17 Jun 2019 23:33  
Operator : JC/SP  
Sample : K3363-01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT5

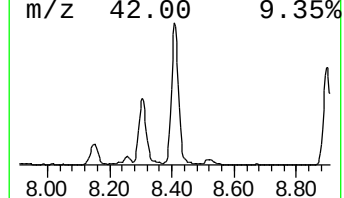
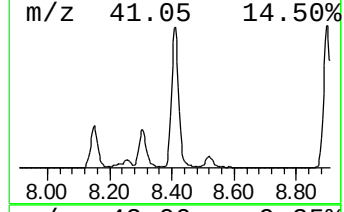
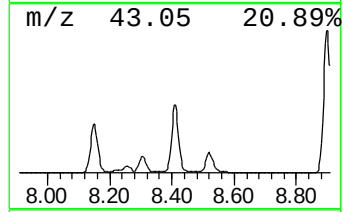
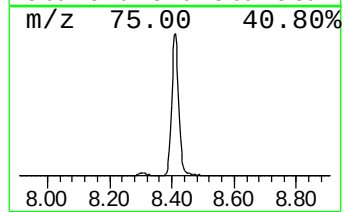
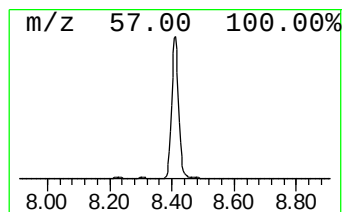
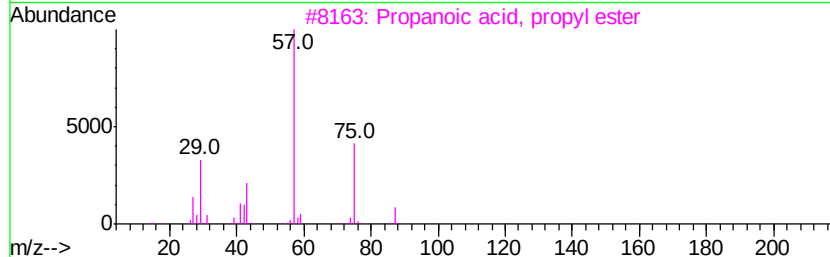
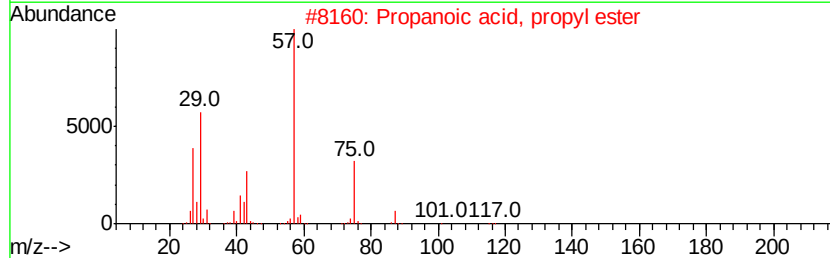
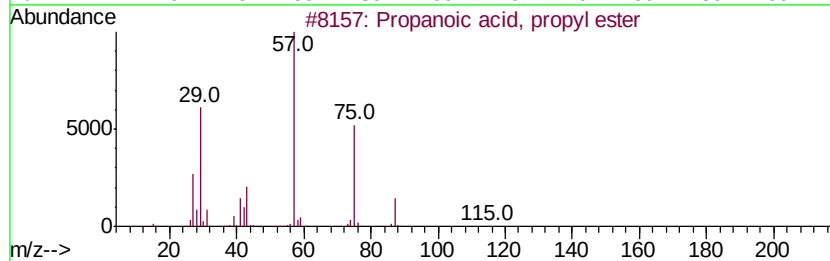
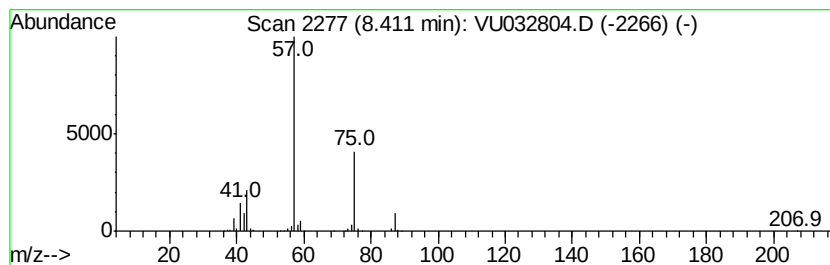
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Quant Title : VOC Analysis

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

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Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.41 | 56.62 ug/L | 791198 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 2    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 3    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83   |
| 4    |    | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 78   |
| 5    |    | Propanoic acid, butyl ester  | 130 | C7H14O2 | 000590-01-2 | 39   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
Data File : VU032804.D  
Acq On : 17 Jun 2019 23:33  
Operator : JC/SP  
Sample : K3363-01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT5

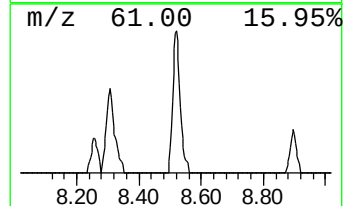
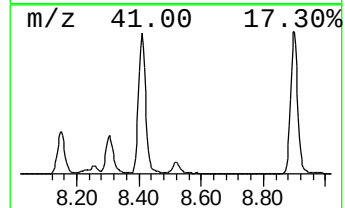
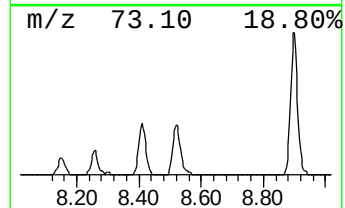
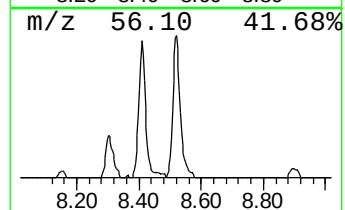
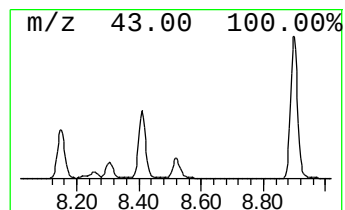
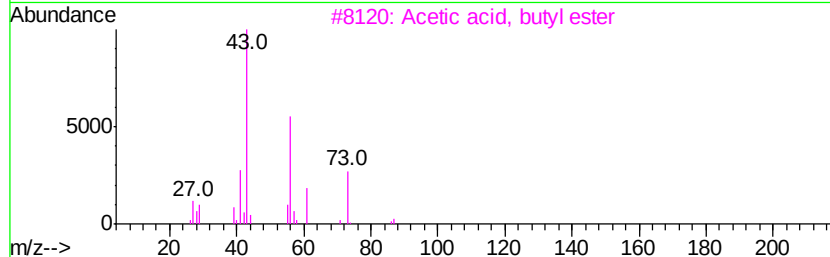
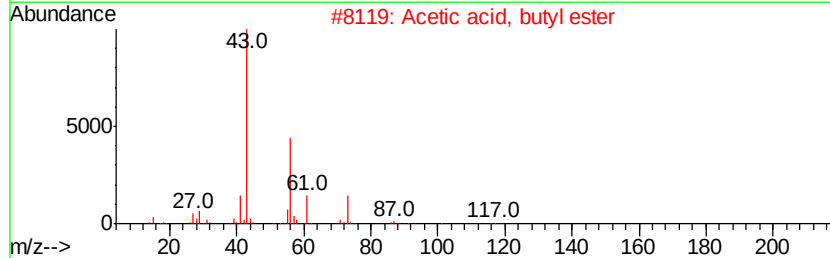
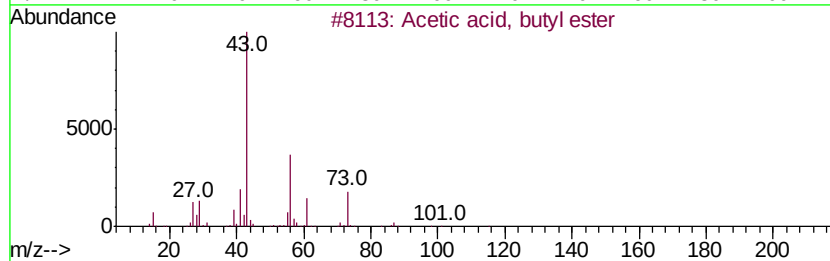
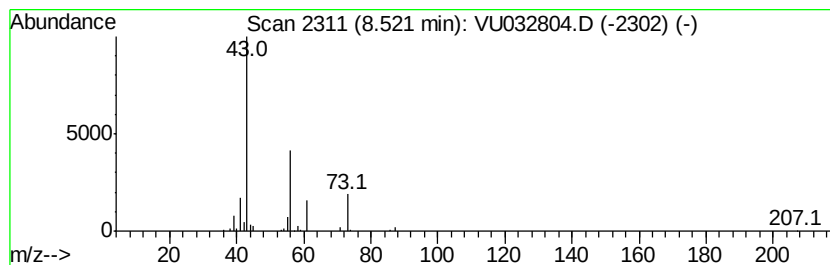
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Quant Title : VOC Analysis

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

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Peak Number 6 Acetic acid, butyl ester Concentration Rank 7

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.52 | 4.13 ug/L | 57747 | Chlorobenzene-d5 | 9.08 |

| Hit# | of                       | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------|-----|--------------|-------------|---------|------|------|
| 1    | Acetic acid, butyl ester | 116 | C6H12O2      | 000123-86-4 | 83      |      |      |
| 2    | Acetic acid, butyl ester | 116 | C6H12O2      | 000123-86-4 | 83      |      |      |
| 3    | Acetic acid, butyl ester | 116 | C6H12O2      | 000123-86-4 | 72      |      |      |
| 4    | Acetic acid, butyl ester | 116 | C6H12O2      | 000123-86-4 | 72      |      |      |
| 5    | Acetic acid, hexyl ester | 144 | C8H16O2      | 000142-92-7 | 38      |      |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
Data File : VU032804.D  
Acq On : 17 Jun 2019 23:33  
Operator : JC/SP  
Sample : K3363-01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

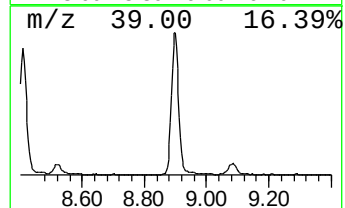
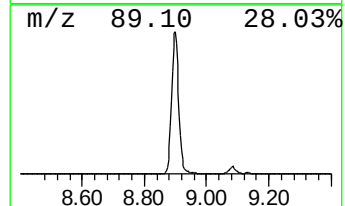
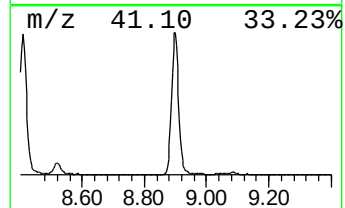
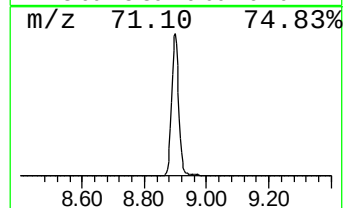
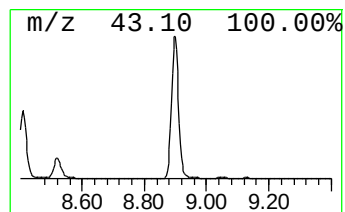
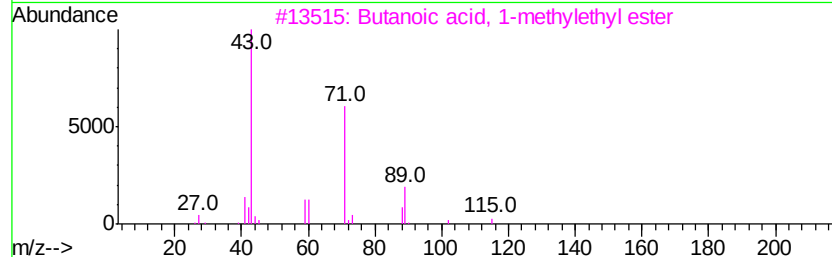
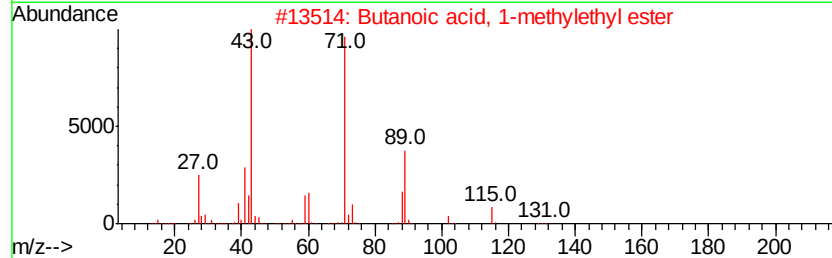
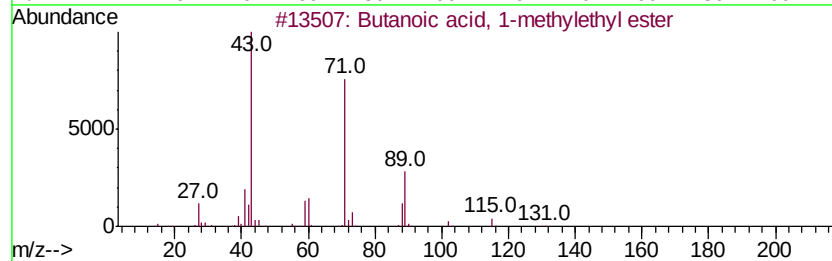
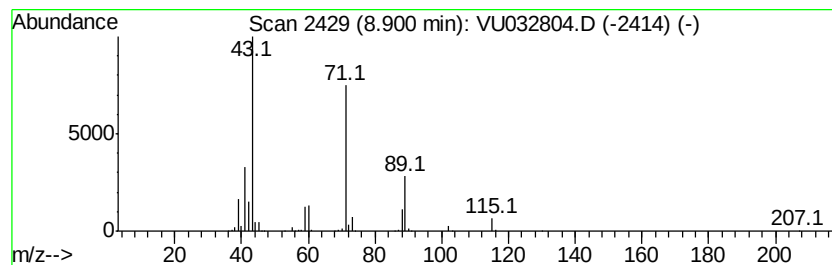
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.90 | 38.12 ug/L | 532674 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 95   |
| 2    |    | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 91   |
| 3    |    | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90   |
| 4    |    | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 64   |
| 5    |    | Butanoic acid, propyl ester        | 130 | C7H14O2 | 000105-66-8 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061719\  
Data File : VU032804.D  
Acq On : 17 Jun 2019 23:33  
Operator : JC/SP  
Sample : K3363-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JT5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.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 |
| n-Propyl acetate     | 6.70 | 120.5   | ug/L  | 1330420  | 1                     | 5.88 | 551904 | 50.0 |
| Propanoic acid, 1... | 7.41 | 22.0    | ug/L  | 242774   | 1                     | 5.88 | 551904 | 50.0 |
| Propanoic acid, 2... | 8.15 | 9.2     | ug/L  | 129170   | 2                     | 9.08 | 698681 | 50.0 |
| Propanoic acid, p... | 8.41 | 56.6    | ug/L  | 791198   | 2                     | 9.08 | 698681 | 50.0 |
| Acetic acid, buty... | 8.52 | 4.1     | ug/L  | 57747    | 2                     | 9.08 | 698681 | 50.0 |
| Butanoic acid, 1-... | 8.90 | 38.1    | ug/L  | 532674   | 2                     | 9.08 | 698681 | 50.0 |