

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
 Data File : VU032819.D  
 Acq On : 18 Jun 2019 13:14  
 Operator : JC/SP  
 Sample : K3363-20  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JR1

## 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          | 35           | rVB2     | 6121           | 5753          | 0.42%           | 0.056%        |
| 2         | 1.396       | 88            | 95          | 109          | rVB      | 117993         | 119947        | 8.68%           | 1.163%        |
| 3         | 1.675       | 174           | 182         | 194          | rVB      | 95293          | 113455        | 8.21%           | 1.100%        |
| 4         | 2.267       | 356           | 366         | 377          | rBV      | 185605         | 277565        | 20.08%          | 2.692%        |
| 5         | 2.434       | 416           | 418         | 420          | rBV3     | 512            | 294           | 0.02%           | 0.003%        |
| 6         | 2.498       | 434           | 438         | 443          | rBV4     | 435            | 517           | 0.04%           | 0.005%        |
| 7         | 2.608       | 470           | 472         | 473          | rBV2     | 635            | 281           | 0.02%           | 0.003%        |
| 8         | 2.695       | 490           | 499         | 510          | rVB3     | 7392           | 12275         | 0.89%           | 0.119%        |
| 9         | 2.820       | 535           | 538         | 542          | rBV3     | 462            | 299           | 0.02%           | 0.003%        |
| 10        | 3.006       | 593           | 596         | 602          | rVB      | 378            | 425           | 0.03%           | 0.004%        |
| 11        | 3.045       | 602           | 608         | 609          | rBV2     | 417            | 399           | 0.03%           | 0.004%        |
| 12        | 3.084       | 613           | 620         | 626          | rVV3     | 374            | 493           | 0.04%           | 0.005%        |
| 13        | 3.129       | 630           | 634         | 637          | rBV2     | 267            | 238           | 0.02%           | 0.002%        |
| 14        | 3.331       | 694           | 697         | 701          | rBB      | 486            | 256           | 0.02%           | 0.002%        |
| 15        | 3.354       | 701           | 704         | 710          | rVB3     | 291            | 256           | 0.02%           | 0.002%        |
| 16        | 3.421       | 723           | 725         | 730          | rBV2     | 265            | 215           | 0.02%           | 0.002%        |
| 17        | 3.450       | 730           | 734         | 735          | rBV2     | 272            | 215           | 0.02%           | 0.002%        |
| 18        | 3.650       | 792           | 796         | 798          | rBV2     | 460            | 403           | 0.03%           | 0.004%        |
| 19        | 3.714       | 813           | 816         | 827          | rVB3     | 426            | 514           | 0.04%           | 0.005%        |
| 20        | 3.778       | 827           | 836         | 838          | rBV4     | 429            | 483           | 0.03%           | 0.005%        |
| 21        | 4.045       | 916           | 919         | 924          | rBV2     | 262            | 208           | 0.02%           | 0.002%        |
| 22        | 4.167       | 942           | 957         | 992          | rBV      | 86173          | 227488        | 16.46%          | 2.206%        |
| 23        | 4.530       | 1063          | 1070        | 1073         | rBV3     | 455            | 522           | 0.04%           | 0.005%        |
| 24        | 4.566       | 1079          | 1081        | 1085         | rBV2     | 253            | 216           | 0.02%           | 0.002%        |
| 25        | 4.640       | 1086          | 1104        | 1128         | rVV      | 151248         | 353059        | 25.54%          | 3.424%        |
| 26        | 4.756       | 1137          | 1140        | 1144         | rVB2     | 300            | 214           | 0.02%           | 0.002%        |
| 27        | 4.875       | 1171          | 1177        | 1183         | rBV3     | 677            | 1048          | 0.08%           | 0.010%        |
| 28        | 4.977       | 1205          | 1209        | 1212         | rBV3     | 442            | 265           | 0.02%           | 0.003%        |
| 29        | 5.016       | 1217          | 1221        | 1224         | rBV2     | 279            | 215           | 0.02%           | 0.002%        |
| 30        | 5.051       | 1228          | 1232        | 1235         | rBV      | 324            | 294           | 0.02%           | 0.003%        |
| 31        | 5.106       | 1245          | 1249        | 1251         | rBV      | 315            | 228           | 0.02%           | 0.002%        |
| 32        | 5.161       | 1262          | 1266        | 1267         | rBV      | 385            | 207           | 0.01%           | 0.002%        |
| 33        | 5.257       | 1288          | 1296        | 1297         | rBV2     | 381            | 426           | 0.03%           | 0.004%        |
| 34        | 5.331       | 1297          | 1319        | 1348         | rVV2     | 300631         | 886157        | 64.11%          | 8.594%        |

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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 | 5.550 | 1377 | 1387 | 1403 | rVB2 | 5709   | 11672   | 0.84%   | 0.113%  |
| 36 | 5.717 | 1434 | 1439 | 1443 | rBV2 | 306    | 254     | 0.02%   | 0.002%  |
| 37 | 5.881 | 1475 | 1490 | 1513 | rBV  | 264685 | 521444  | 37.73%  | 5.057%  |
| 38 | 6.019 | 1530 | 1533 | 1541 | rVB4 | 255    | 363     | 0.03%   | 0.004%  |
| 39 | 6.067 | 1546 | 1548 | 1554 | rVB3 | 236    | 209     | 0.02%   | 0.002%  |
| 40 | 6.151 | 1571 | 1574 | 1577 | rBV2 | 465    | 425     | 0.03%   | 0.004%  |
| 41 | 6.183 | 1577 | 1584 | 1594 | rVB6 | 2711   | 4858    | 0.35%   | 0.047%  |
| 42 | 6.225 | 1594 | 1597 | 1599 | rBV2 | 356    | 276     | 0.02%   | 0.003%  |
| 43 | 6.325 | 1613 | 1628 | 1650 | rBV  | 203121 | 406627  | 29.42%  | 3.944%  |
| 44 | 6.421 | 1651 | 1658 | 1670 | rBV3 | 5601   | 10824   | 0.78%   | 0.105%  |
| 45 | 6.530 | 1684 | 1692 | 1697 | rBV4 | 2667   | 4286    | 0.31%   | 0.042%  |
| 46 | 6.575 | 1700 | 1706 | 1711 | rBV2 | 4004   | 5759    | 0.42%   | 0.056%  |
| 47 | 6.698 | 1731 | 1744 | 1775 | rBV  | 770098 | 1382191 | 100.00% | 13.405% |
| 48 | 7.080 | 1859 | 1863 | 1866 | rBV3 | 378    | 283     | 0.02%   | 0.003%  |
| 49 | 7.222 | 1895 | 1907 | 1928 | rBV  | 107929 | 188238  | 13.62%  | 1.826%  |
| 50 | 7.312 | 1933 | 1935 | 1939 | rVB4 | 602    | 392     | 0.03%   | 0.004%  |
| 51 | 7.341 | 1942 | 1944 | 1950 | rVB3 | 469    | 478     | 0.03%   | 0.005%  |
| 52 | 7.415 | 1950 | 1967 | 1992 | rBV  | 141781 | 248024  | 17.94%  | 2.405%  |
| 53 | 7.559 | 1998 | 2012 | 2028 | rBV  | 397315 | 686747  | 49.69%  | 6.660%  |
| 54 | 7.842 | 2089 | 2100 | 2122 | rBV2 | 87859  | 154765  | 11.20%  | 1.501%  |
| 55 | 7.984 | 2140 | 2144 | 2149 | rBV3 | 433    | 456     | 0.03%   | 0.004%  |
| 56 | 8.035 | 2157 | 2160 | 2164 | rVB2 | 452    | 314     | 0.02%   | 0.003%  |
| 57 | 8.148 | 2181 | 2195 | 2211 | rBV  | 74725  | 126690  | 9.17%   | 1.229%  |
| 58 | 8.228 | 2212 | 2220 | 2222 | rVV3 | 9565   | 12288   | 0.89%   | 0.119%  |
| 59 | 8.257 | 2223 | 2229 | 2235 | rVV2 | 30893  | 46771   | 3.38%   | 0.454%  |
| 60 | 8.305 | 2235 | 2244 | 2265 | rVV  | 297553 | 511300  | 36.99%  | 4.959%  |
| 61 | 8.408 | 2266 | 2276 | 2301 | rVV  | 550017 | 882068  | 63.82%  | 8.555%  |
| 62 | 8.517 | 2303 | 2310 | 2329 | rVB  | 36979  | 62060   | 4.49%   | 0.602%  |
| 63 | 8.704 | 2366 | 2368 | 2372 | rVB  | 627    | 368     | 0.03%   | 0.004%  |
| 64 | 8.752 | 2376 | 2383 | 2386 | rBV3 | 377    | 341     | 0.02%   | 0.003%  |
| 65 | 8.813 | 2400 | 2402 | 2406 | rBV  | 417    | 258     | 0.02%   | 0.003%  |
| 66 | 8.897 | 2415 | 2428 | 2456 | rBV  | 370628 | 587989  | 42.54%  | 5.702%  |
| 67 | 9.083 | 2469 | 2486 | 2511 | rBV  | 393099 | 657141  | 47.54%  | 6.373%  |
| 68 | 9.225 | 2526 | 2530 | 2533 | rBV3 | 475    | 359     | 0.03%   | 0.003%  |
| 69 | 9.328 | 2558 | 2562 | 2563 | rVV3 | 421    | 307     | 0.02%   | 0.003%  |
| 70 | 9.450 | 2597 | 2600 | 2603 | rVB2 | 355    | 249     | 0.02%   | 0.002%  |
| 71 | 9.530 | 2620 | 2625 | 2627 | rBV2 | 272    | 219     | 0.02%   | 0.002%  |

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## Integration Parameters: LSCINT.P

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

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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  | 9.601  | 2635 | 2647 | 2662 | rVV3 | 5677   | 10542  | 0.76%  | 0.102% |
| 73  | 9.688  | 2672 | 2674 | 2678 | rBV2 | 269    | 222    | 0.02%  | 0.002% |
| 74  | 9.762  | 2687 | 2697 | 2711 | rBV2 | 18400  | 29852  | 2.16%  | 0.290% |
| 75  | 9.836  | 2718 | 2720 | 2725 | rBV2 | 367    | 224    | 0.02%  | 0.002% |
| 76  | 9.958  | 2753 | 2758 | 2763 | rBV4 | 226    | 282    | 0.02%  | 0.003% |
| 77  | 10.035 | 2779 | 2782 | 2785 | rBV2 | 405    | 280    | 0.02%  | 0.003% |
| 78  | 10.093 | 2789 | 2800 | 2802 | rBV3 | 557    | 763    | 0.06%  | 0.007% |
| 79  | 10.228 | 2839 | 2842 | 2848 | rVB3 | 309    | 309    | 0.02%  | 0.003% |
| 80  | 10.424 | 2891 | 2903 | 2924 | rBV  | 298485 | 473589 | 34.26% | 4.593% |
| 81  | 10.553 | 2939 | 2943 | 2946 | rVB2 | 354    | 243    | 0.02%  | 0.002% |
| 82  | 10.768 | 3008 | 3010 | 3014 | rVV2 | 651    | 448    | 0.03%  | 0.004% |
| 83  | 11.038 | 3090 | 3094 | 3097 | rBV2 | 321    | 245    | 0.02%  | 0.002% |
| 84  | 11.058 | 3097 | 3100 | 3103 | rVV2 | 273    | 222    | 0.02%  | 0.002% |
| 85  | 11.103 | 3110 | 3114 | 3119 | rVV3 | 325    | 390    | 0.03%  | 0.004% |
| 86  | 11.328 | 3178 | 3184 | 3187 | rBV3 | 182    | 236    | 0.02%  | 0.002% |
| 87  | 11.479 | 3217 | 3231 | 3257 | rBV  | 385150 | 623180 | 45.09% | 6.044% |
| 88  | 11.656 | 3282 | 3286 | 3288 | rBV2 | 428    | 353    | 0.03%  | 0.003% |
| 89  | 11.855 | 3334 | 3348 | 3370 | rBV  | 391970 | 644322 | 46.62% | 6.249% |
| 90  | 12.193 | 3450 | 3453 | 3454 | rBV  | 467    | 251    | 0.02%  | 0.002% |
| 91  | 12.238 | 3464 | 3467 | 3470 | rBV2 | 471    | 320    | 0.02%  | 0.003% |
| 92  | 12.398 | 3513 | 3517 | 3520 | rBV  | 574    | 357    | 0.03%  | 0.003% |
| 93  | 12.546 | 3558 | 3563 | 3566 | rBV2 | 345    | 316    | 0.02%  | 0.003% |
| 94  | 12.681 | 3602 | 3605 | 3608 | rBV  | 363    | 250    | 0.02%  | 0.002% |
| 95  | 12.800 | 3640 | 3642 | 3645 | rVB  | 444    | 275    | 0.02%  | 0.003% |
| 96  | 12.913 | 3673 | 3677 | 3680 | rBV3 | 327    | 274    | 0.02%  | 0.003% |
| 97  | 13.250 | 3779 | 3782 | 3785 | rBV2 | 295    | 257    | 0.02%  | 0.002% |
| 98  | 13.398 | 3825 | 3828 | 3831 | rBV2 | 426    | 278    | 0.02%  | 0.003% |
| 99  | 13.762 | 3939 | 3941 | 3944 | rBV2 | 338    | 249    | 0.02%  | 0.002% |
| 100 | 14.334 | 4114 | 4119 | 4121 | rBV  | 566    | 505    | 0.04%  | 0.005% |

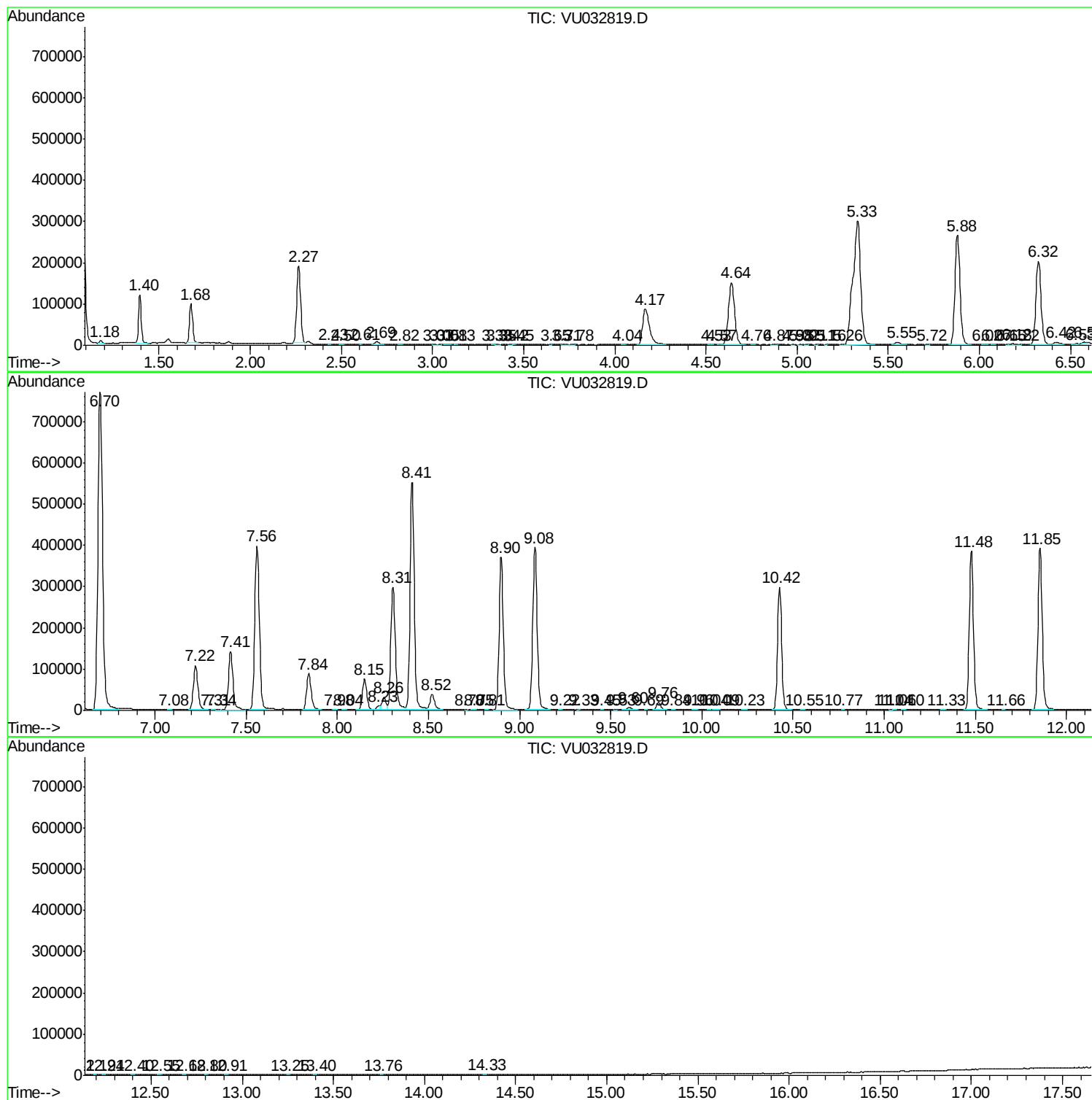
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
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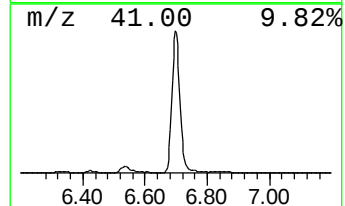
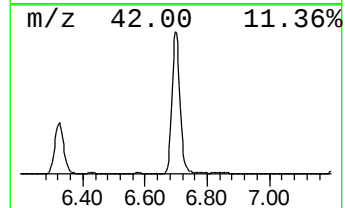
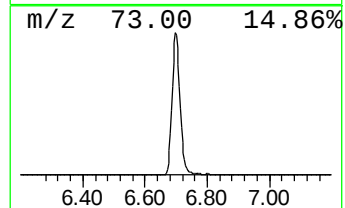
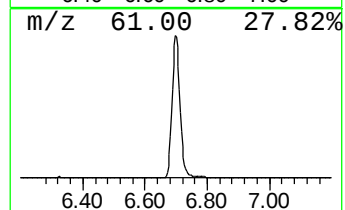
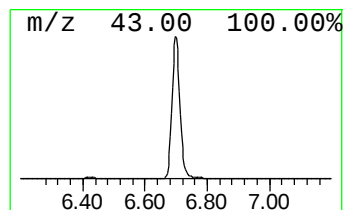
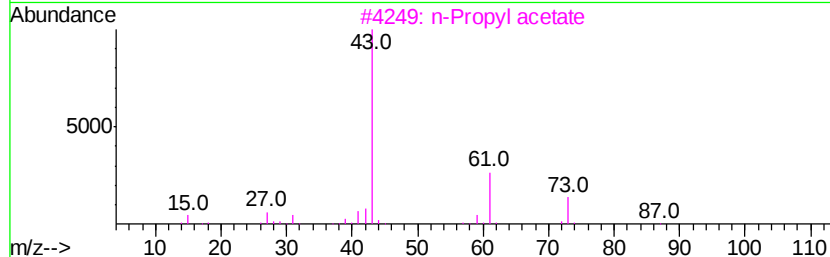
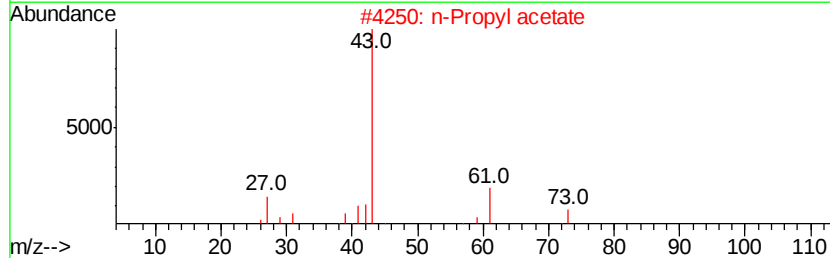
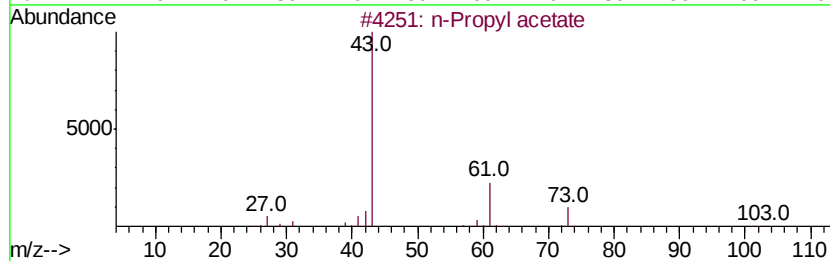
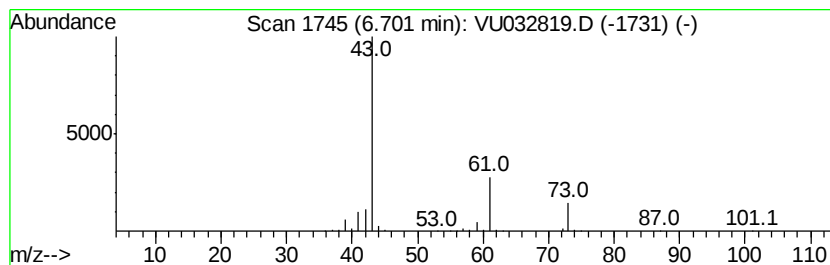
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

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 | 132.54 ug/L | 1382190 | 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 | 78   |
| 4    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 5    |    | Isobutyl acetate  | 116 | C6H12O2 | 000110-19-0 | 9    |



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Quant Title : VOC Analysis

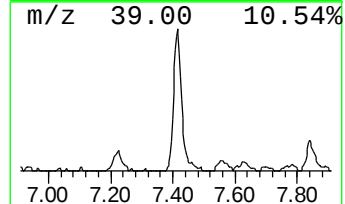
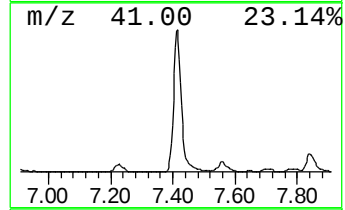
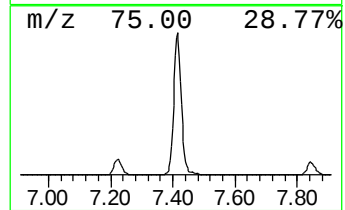
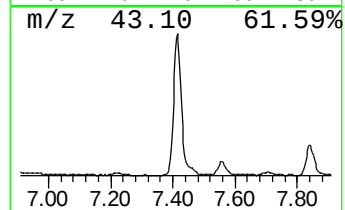
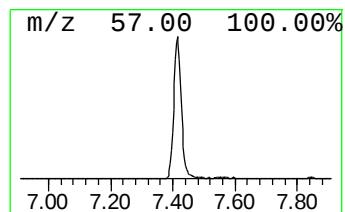
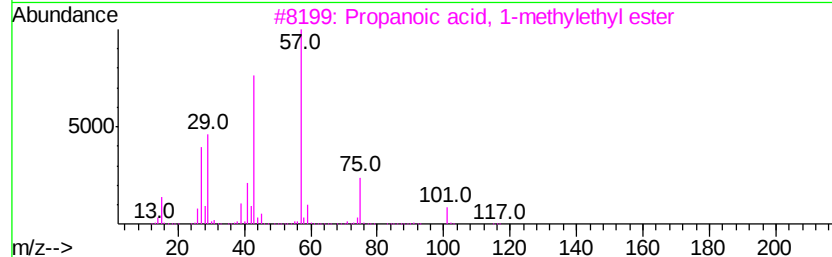
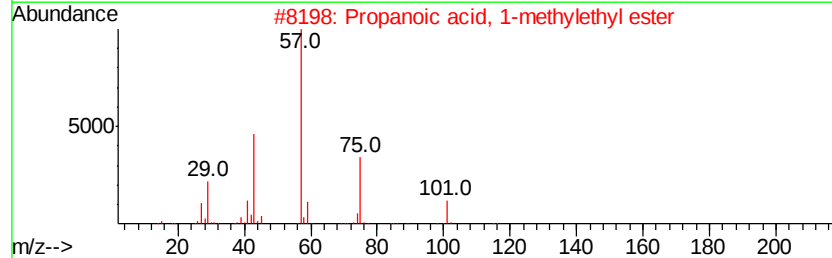
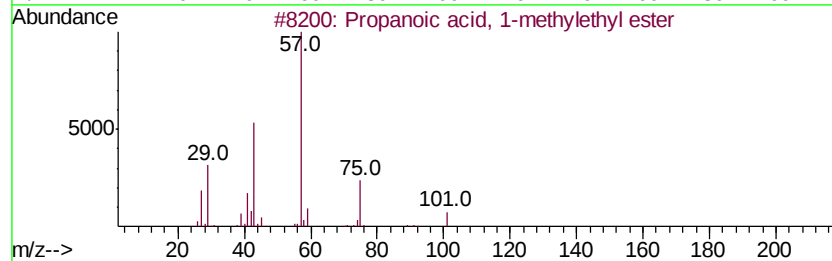
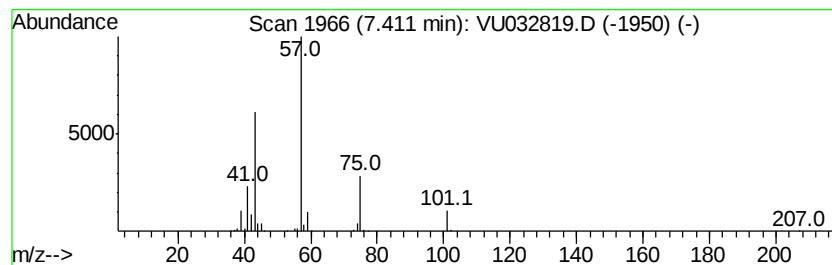
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.41 | 23.78 ug/L | 248024 | 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 | 86   |
| 2    |    | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 83   |
| 3    |    | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 64   |
| 4    |    | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 53   |
| 5    |    | Propanoic acid, propyl ester        | 116 | C6H12O2 | 000106-36-5 | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032819.D  
Acq On : 18 Jun 2019 13:14  
Operator : JC/SP  
Sample : K3363-20  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JR1

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

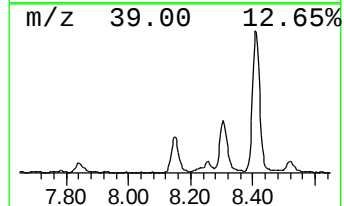
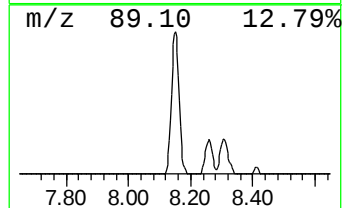
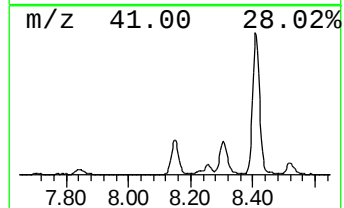
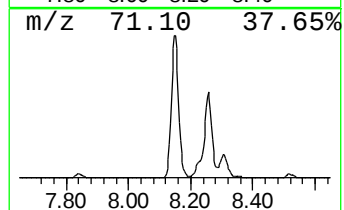
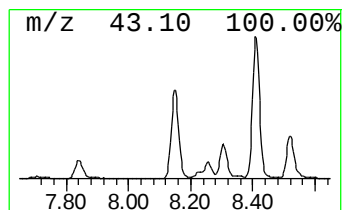
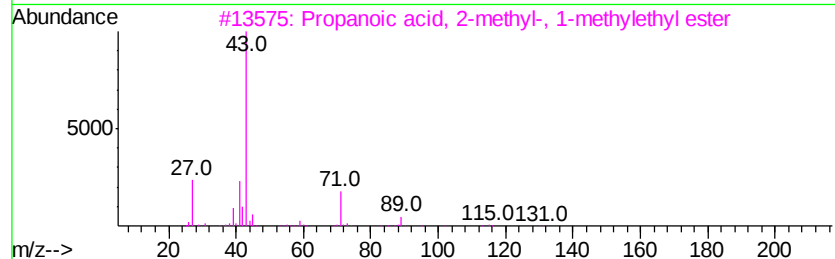
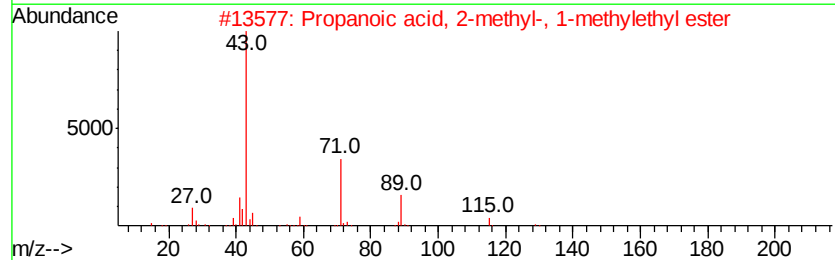
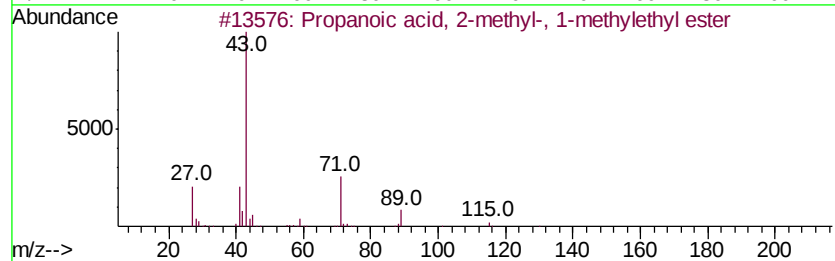
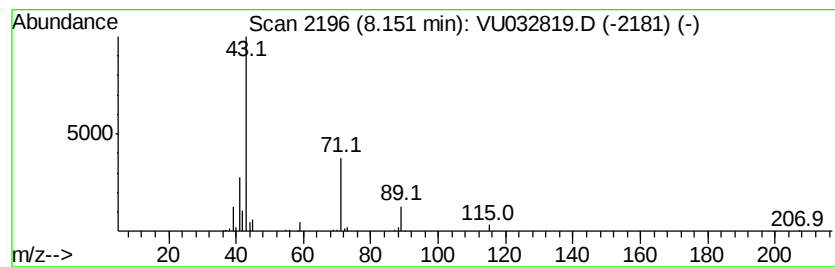
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.15 | 9.64 ug/L | 126690 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 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    |    |   | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 64   |
| 5    |    |   | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 56   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032819.D  
Acq On : 18 Jun 2019 13:14  
Operator : JC/SP  
Sample : K3363-20  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JR1

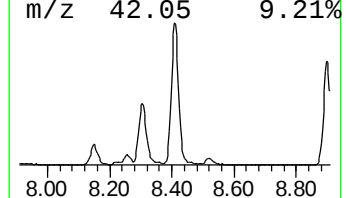
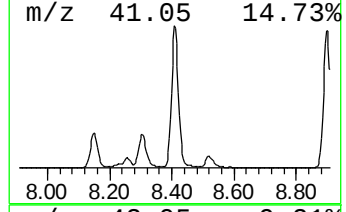
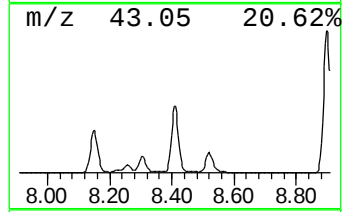
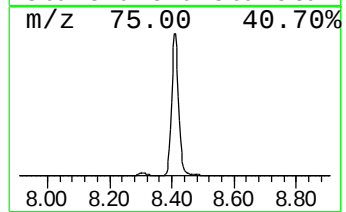
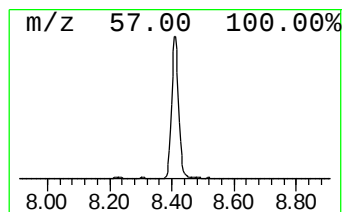
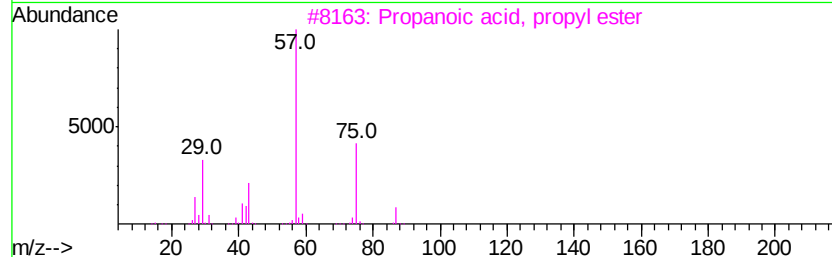
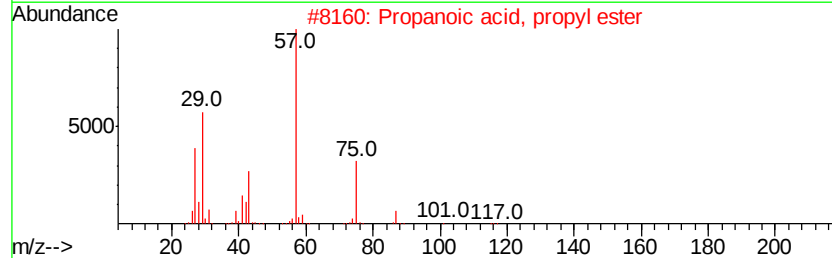
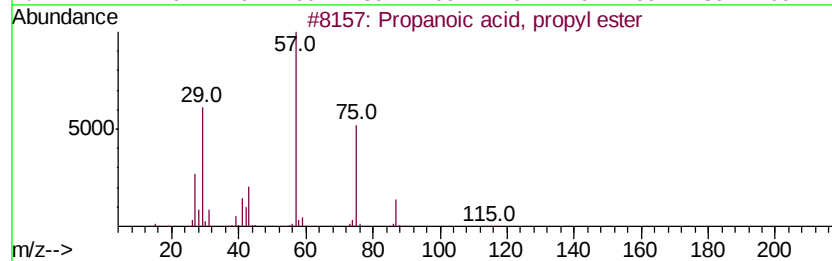
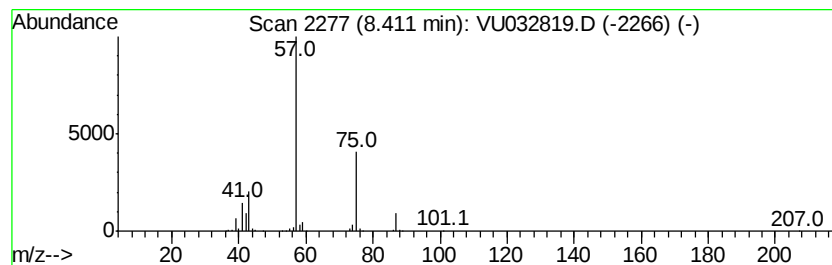
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Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 5 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD | R.T. |
|------|------------|--------|------------------|------|
| 8.41 | 67.11 ug/L | 882068 | 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 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032819.D  
Acq On : 18 Jun 2019 13:14  
Operator : JC/SP  
Sample : K3363-20  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JR1

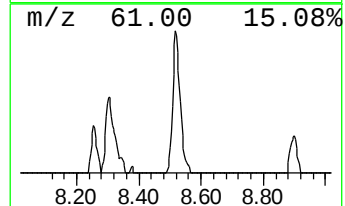
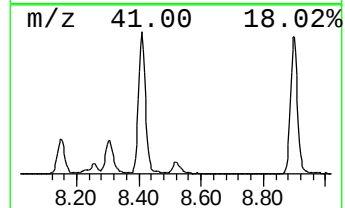
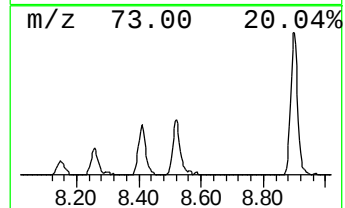
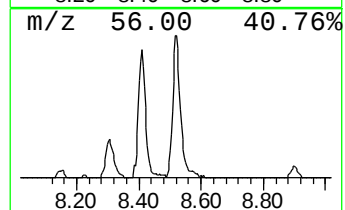
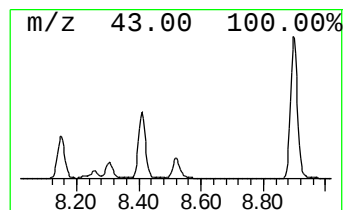
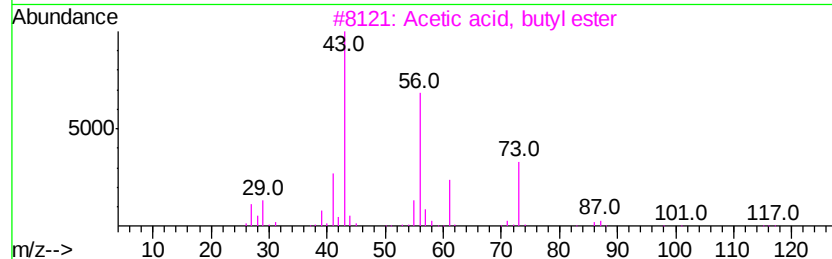
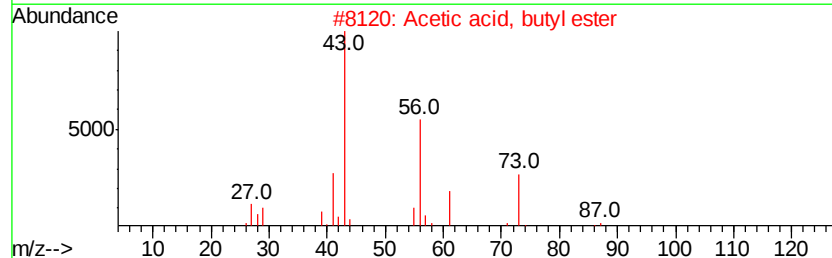
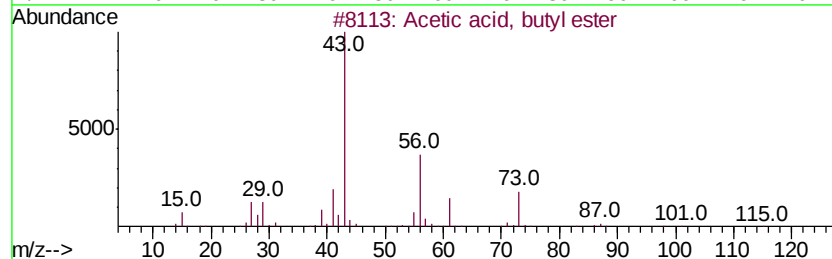
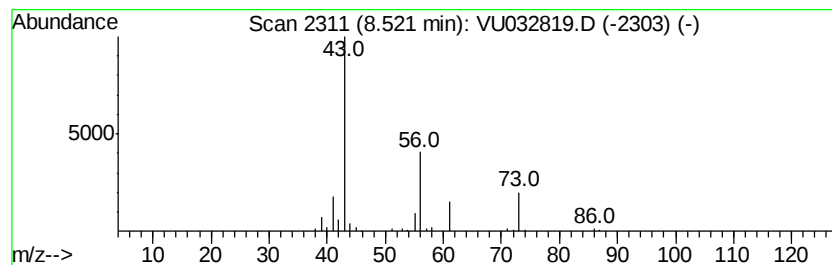
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Quant Title : VOC Analysis

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 | 4.72 ug/L | 62060 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 78   |
| 2    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 72   |
| 3    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 72   |
| 4    |    |   | Acetic acid, butyl ester | 116 | C6H12O2 | 000123-86-4 | 64   |
| 5    |    |   | 1-Pentene, 4-methyl-     | 84  | C6H12   | 000691-37-2 | 28   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061819\  
Data File : VU032819.D  
Acq On : 18 Jun 2019 13:14  
Operator : JC/SP  
Sample : K3363-20  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JR1

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

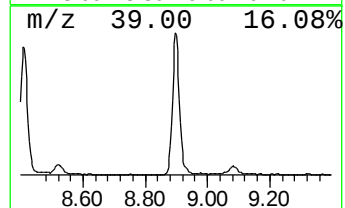
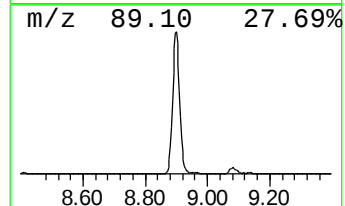
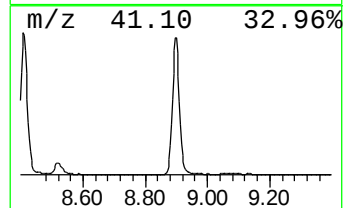
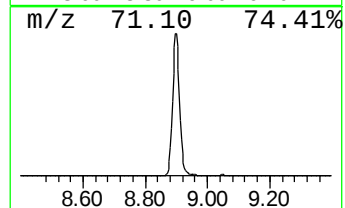
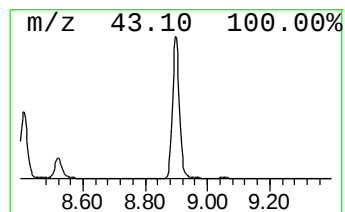
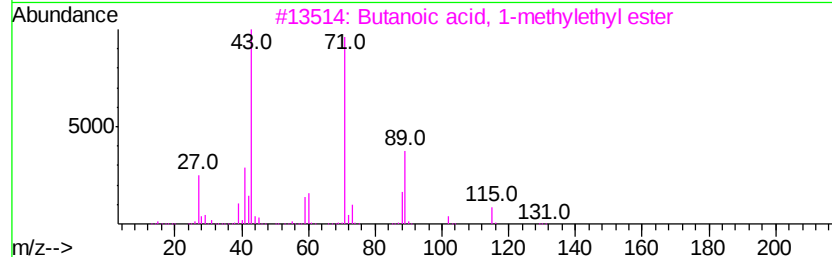
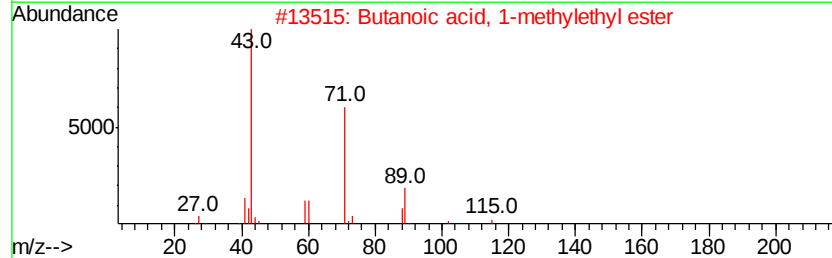
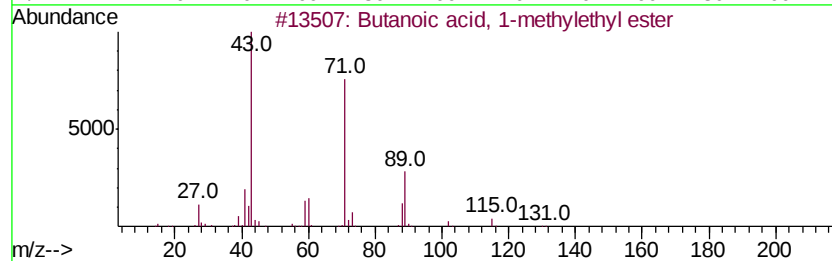
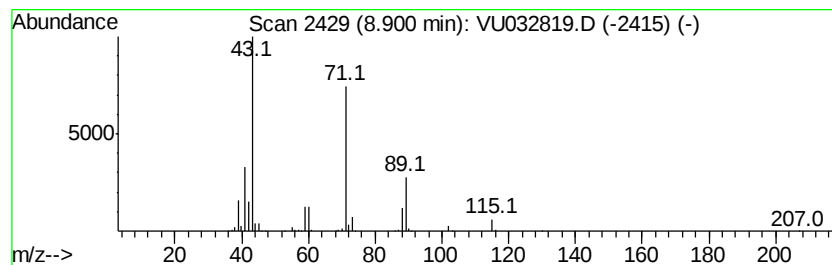
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 44.74 ug/L | 587989 | Chlorobenzene-d5 | 9.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 2    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 3    |    | Butanoic acid, 1-methylethyl ester  | 130 | C7H14O2 | 000638-11-9 | 90   |
| 4    |    | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78   |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2 | 000644-49-5 | 72   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061819\  
Data File : VU032819.D  
Acq On : 18 Jun 2019 13:14  
Operator : JC/SP  
Sample : K3363-20  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JR1

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 | 132.5   | ug/L  | 1382190  | 1                     | 5.88 | 521444 | 50.0 |
| Propanoic acid, 1... | 7.41 | 23.8    | ug/L  | 248024   | 1                     | 5.88 | 521444 | 50.0 |
| Propanoic acid, 2... | 8.15 | 9.6     | ug/L  | 126690   | 2                     | 9.08 | 657141 | 50.0 |
| Propanoic acid, p... | 8.41 | 67.1    | ug/L  | 882068   | 2                     | 9.08 | 657141 | 50.0 |
| Acetic acid, buty... | 8.52 | 4.7     | ug/L  | 62060    | 2                     | 9.08 | 657141 | 50.0 |
| Butanoic acid, 1-... | 8.90 | 44.7    | ug/L  | 587989   | 2                     | 9.08 | 657141 | 50.0 |