

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
 Data File : VU025921.D  
 Acq On : 07 Aug 2018 05:48  
 Operator : MD/SY  
 Sample : J4344-10  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 FL-0529

Integration Parameters: RTEINT.P

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

Filtering: 5  
 Min Area: 3 % 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\82U072718W.M  
 Title : SW846 8260

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         | 1.089       | 133           | 155         | 175          | rBV      | 388995         | 447321        | 4.82%           | 0.504%        |
| 2         | 1.761       | 354           | 364         | 379          | rBV      | 352668         | 457894        | 4.93%           | 0.516%        |
| 3         | 1.950       | 412           | 423         | 439          | rVB      | 663770         | 889067        | 9.58%           | 1.002%        |
| 4         | 2.307       | 519           | 534         | 551          | rVB      | 224763         | 420947        | 4.53%           | 0.474%        |
| 5         | 2.712       | 646           | 660         | 661          | rBV      | 291003         | 392667        | 4.23%           | 0.442%        |
| 6         | 2.748       | 663           | 671         | 680          | rVV      | 883299         | 1776244       | 19.13%          | 2.001%        |
| 7         | 2.793       | 680           | 685         | 709          | rVB      | 354036         | 648458        | 6.98%           | 0.731%        |
| 8         | 3.002       | 732           | 750         | 778          | rBV      | 912307         | 1931008       | 20.80%          | 2.176%        |
| 9         | 3.307       | 827           | 845         | 868          | rBV      | 441680         | 936028        | 10.08%          | 1.055%        |
| 10        | 3.860       | 995           | 1017        | 1042         | rVB3     | 32627          | 102509        | 1.10%           | 0.116%        |
| 11        | 4.002       | 1042          | 1061        | 1072         | rBV5     | 35656          | 95909         | 1.03%           | 0.108%        |
| 12        | 4.101       | 1072          | 1092        | 1116         | rVB      | 1485328        | 3943285       | 42.47%          | 4.443%        |
| 13        | 4.741       | 1267          | 1291        | 1317         | rVB2     | 62215          | 177284        | 1.91%           | 0.200%        |
| 14        | 4.889       | 1317          | 1337        | 1352         | rBV      | 201936         | 461109        | 4.97%           | 0.520%        |
| 15        | 4.998       | 1352          | 1371        | 1388         | rVV3     | 1579748        | 3971120       | 42.77%          | 4.474%        |
| 16        | 5.085       | 1388          | 1398        | 1420         | rVV      | 170083         | 417865        | 4.50%           | 0.471%        |
| 17        | 5.223       | 1424          | 1441        | 1460         | rBV4     | 297825         | 862772        | 9.29%           | 0.972%        |
| 18        | 5.313       | 1461          | 1469        | 1491         | rVB2     | 197467         | 426412        | 4.59%           | 0.480%        |
| 19        | 5.487       | 1505          | 1523        | 1535         | rBV2     | 228963         | 523062        | 5.63%           | 0.589%        |
| 20        | 5.558       | 1535          | 1545        | 1556         | rVV2     | 182204         | 403809        | 4.35%           | 0.455%        |
| 21        | 5.629       | 1556          | 1567        | 1586         | rVB      | 251729         | 564921        | 6.08%           | 0.637%        |
| 22        | 5.892       | 1632          | 1649        | 1668         | rBV      | 393435         | 778319        | 8.38%           | 0.877%        |
| 23        | 6.420       | 1790          | 1813        | 1840         | rBV      | 1244764        | 2777152       | 29.91%          | 3.129%        |
| 24        | 6.645       | 1871          | 1883        | 1899         | rVB2     | 178341         | 336418        | 3.62%           | 0.379%        |
| 25        | 6.744       | 1899          | 1914        | 1931         | rVB3     | 44315          | 98795         | 1.06%           | 0.111%        |
| 26        | 6.908       | 1954          | 1965        | 1985         | rVB4     | 52376          | 120955        | 1.30%           | 0.136%        |
| 27        | 7.567       | 2144          | 2170        | 2200         | rBV      | 791433         | 1614729       | 17.39%          | 1.819%        |
| 28        | 7.712       | 2202          | 2215        | 2224         | rBV6     | 63202          | 143516        | 1.55%           | 0.162%        |
| 29        | 7.921       | 2268          | 2280        | 2298         | rVB      | 132717         | 240444        | 2.59%           | 0.271%        |
| 30        | 8.050       | 2302          | 2320        | 2331         | rBV2     | 70325          | 134980        | 1.45%           | 0.152%        |
| 31        | 8.493       | 2439          | 2458        | 2466         | rBV3     | 57970          | 105443        | 1.14%           | 0.119%        |
| 32        | 8.548       | 2466          | 2475        | 2485         | rVV      | 112761         | 186904        | 2.01%           | 0.211%        |
| 33        | 9.091       | 2633          | 2644        | 2662         | rBV      | 587062         | 978710        | 10.54%          | 1.103%        |
| 34        | 9.191       | 2663          | 2675        | 2683         | rVV2     | 60015          | 107108        | 1.15%           | 0.121%        |

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 ClientSampleId :  
 FL-0529

## Integration Parameters: RTEINT.P

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

Filtering: 5  
 Min Area: 3 % 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\82U072718W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 9.252  | 2683 | 2694 | 2719 | rVV  | 1707471 | 2714577 | 29.24%  | 3.059%  |
| 36 | 9.381  | 2720 | 2734 | 2762 | rVB  | 2948540 | 4767359 | 51.35%  | 5.372%  |
| 37 | 10.169 | 2966 | 2979 | 3008 | rVB  | 738699  | 1155351 | 12.44%  | 1.302%  |
| 38 | 10.310 | 3011 | 3023 | 3038 | rBV  | 624278  | 992230  | 10.69%  | 1.118%  |
| 39 | 10.590 | 3098 | 3110 | 3126 | rVB  | 606723  | 922114  | 9.93%   | 1.039%  |
| 40 | 10.683 | 3126 | 3139 | 3144 | rBV  | 2443710 | 3971791 | 42.78%  | 4.475%  |
| 41 | 10.776 | 3157 | 3168 | 3190 | rVB  | 1983667 | 3013274 | 32.45%  | 3.395%  |
| 42 | 10.972 | 3216 | 3229 | 3251 | rBV  | 2709659 | 4169023 | 44.90%  | 4.697%  |
| 43 | 11.152 | 3272 | 3285 | 3311 | rVB  | 6222444 | 9284873 | 100.00% | 10.462% |
| 44 | 11.294 | 3313 | 3329 | 3332 | rBV  | 64751   | 102125  | 1.10%   | 0.115%  |
| 45 | 11.326 | 3332 | 3339 | 3356 | rVB  | 255897  | 403233  | 4.34%   | 0.454%  |
| 46 | 11.429 | 3356 | 3371 | 3379 | rBV  | 335189  | 508326  | 5.47%   | 0.573%  |
| 47 | 11.484 | 3379 | 3388 | 3403 | rVB2 | 958545  | 1552993 | 16.73%  | 1.750%  |
| 48 | 11.574 | 3403 | 3416 | 3440 | rVB  | 2880430 | 4396606 | 47.35%  | 4.954%  |
| 49 | 11.693 | 3442 | 3453 | 3463 | rVB  | 71193   | 110871  | 1.19%   | 0.125%  |
| 50 | 11.773 | 3464 | 3478 | 3485 | rBV3 | 735929  | 1493599 | 16.09%  | 1.683%  |
| 51 | 11.812 | 3486 | 3490 | 3498 | rVB  | 495974  | 629722  | 6.78%   | 0.710%  |
| 52 | 11.876 | 3498 | 3510 | 3529 | rVB4 | 837695  | 1728591 | 18.62%  | 1.948%  |
| 53 | 11.982 | 3532 | 3543 | 3555 | rBV  | 173078  | 270332  | 2.91%   | 0.305%  |
| 54 | 12.059 | 3555 | 3567 | 3579 | rBV  | 507345  | 785819  | 8.46%   | 0.885%  |
| 55 | 12.149 | 3581 | 3595 | 3599 | rBV  | 578557  | 858244  | 9.24%   | 0.967%  |
| 56 | 12.178 | 3600 | 3604 | 3615 | rVB  | 596193  | 799678  | 8.61%   | 0.901%  |
| 57 | 12.252 | 3615 | 3627 | 3635 | rBV  | 863398  | 1326477 | 14.29%  | 1.495%  |
| 58 | 12.358 | 3648 | 3660 | 3691 | rVB2 | 897571  | 1822180 | 19.63%  | 2.053%  |
| 59 | 12.493 | 3691 | 3702 | 3710 | rBV5 | 60616   | 106159  | 1.14%   | 0.120%  |
| 60 | 12.554 | 3710 | 3721 | 3733 | rVB2 | 419161  | 706917  | 7.61%   | 0.797%  |
| 61 | 12.651 | 3733 | 3751 | 3759 | rBV  | 476948  | 780255  | 8.40%   | 0.879%  |
| 62 | 12.705 | 3759 | 3768 | 3783 | rVB  | 650426  | 1013700 | 10.92%  | 1.142%  |
| 63 | 12.789 | 3784 | 3794 | 3800 | rBV2 | 109832  | 175367  | 1.89%   | 0.198%  |
| 64 | 12.931 | 3829 | 3838 | 3841 | rBV2 | 81981   | 121106  | 1.30%   | 0.136%  |
| 65 | 12.966 | 3842 | 3849 | 3864 | rVB  | 433218  | 653939  | 7.04%   | 0.737%  |
| 66 | 13.123 | 3877 | 3898 | 3913 | rBV3 | 1485436 | 2635601 | 28.39%  | 2.970%  |
| 67 | 13.291 | 3940 | 3950 | 3972 | rVB  | 634337  | 1021652 | 11.00%  | 1.151%  |
| 68 | 13.410 | 3976 | 3987 | 3994 | rBV  | 85879   | 140966  | 1.52%   | 0.159%  |
| 69 | 13.458 | 3994 | 4002 | 4010 | rVB  | 128883  | 188956  | 2.04%   | 0.213%  |
| 70 | 13.512 | 4010 | 4019 | 4025 | rBV4 | 173756  | 275141  | 2.96%   | 0.310%  |
| 71 | 13.612 | 4044 | 4050 | 4072 | rVB2 | 205471  | 399062  | 4.30%   | 0.450%  |

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ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

## Integration Parameters: RTEINT.P

Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 13.744 | 4072 | 4091 | 4101 | rBV  | 1021814 | 1641481 | 17.68% | 1.850% |
| 73 | 13.789 | 4101 | 4105 | 4116 | rVV2 | 64478   | 93563   | 1.01%  | 0.105% |
| 74 | 13.857 | 4116 | 4126 | 4140 | rVV  | 151172  | 238501  | 2.57%  | 0.269% |
| 75 | 13.953 | 4141 | 4156 | 4168 | rVV2 | 180618  | 358918  | 3.87%  | 0.404% |
| 76 | 14.014 | 4168 | 4175 | 4185 | rVB4 | 62201   | 99779   | 1.07%  | 0.112% |
| 77 | 14.156 | 4208 | 4219 | 4236 | rBV3 | 81372   | 175608  | 1.89%  | 0.198% |
| 78 | 14.352 | 4265 | 4280 | 4299 | rVB  | 316910  | 615953  | 6.63%  | 0.694% |
| 79 | 14.545 | 4329 | 4340 | 4352 | rVB3 | 65325   | 124114  | 1.34%  | 0.140% |
| 80 | 14.680 | 4370 | 4382 | 4398 | rBV2 | 203986  | 354525  | 3.82%  | 0.399% |
| 81 | 14.879 | 4431 | 4444 | 4455 | rBV  | 488838  | 832219  | 8.96%  | 0.938% |
| 82 | 15.065 | 4491 | 4502 | 4516 | rBV  | 386064  | 644896  | 6.95%  | 0.727% |
| 83 | 15.612 | 4651 | 4672 | 4684 | rBV5 | 33301   | 99175   | 1.07%  | 0.112% |

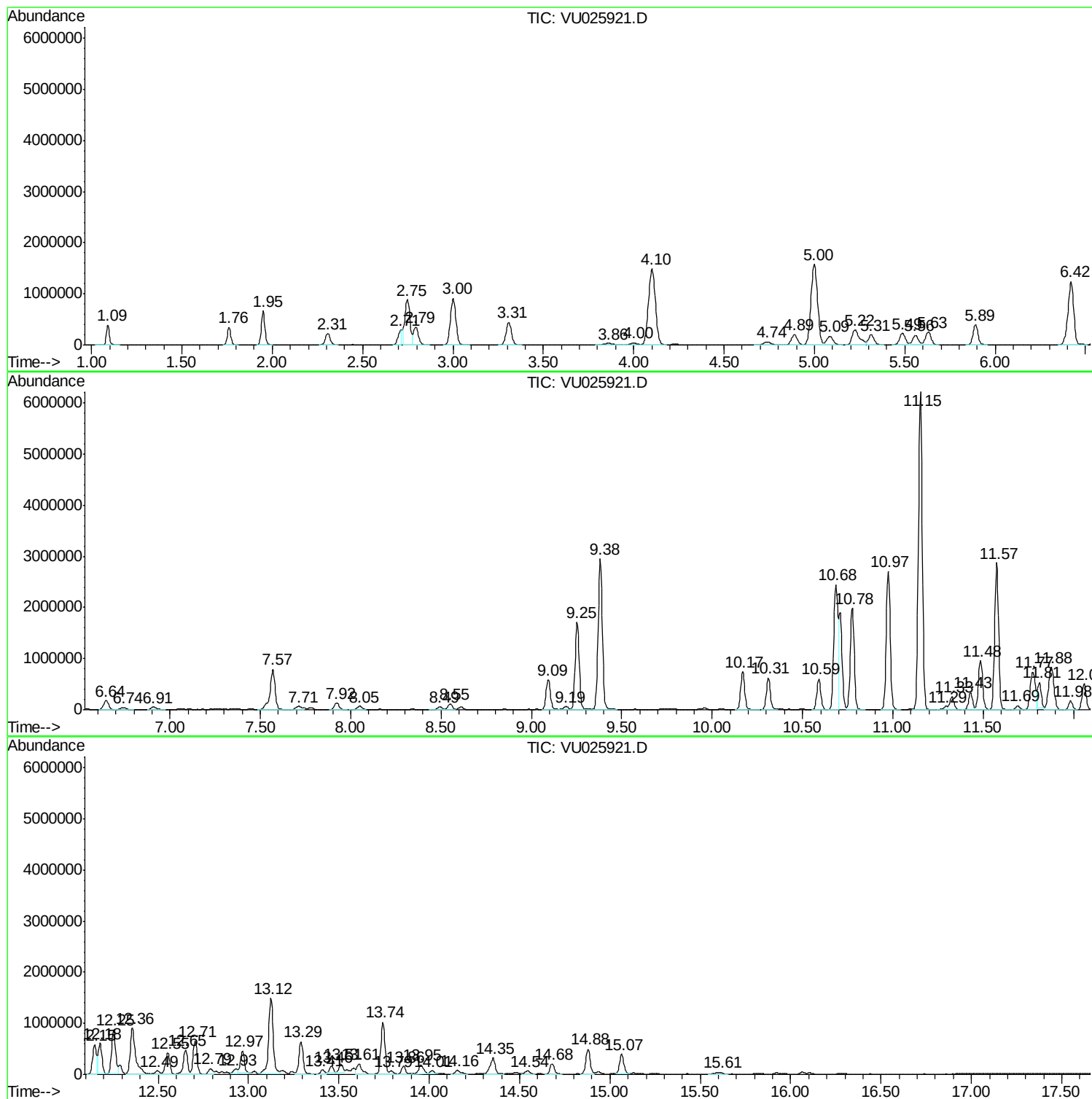
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
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Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

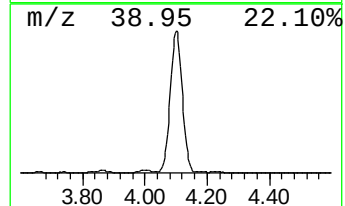
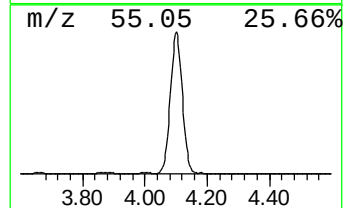
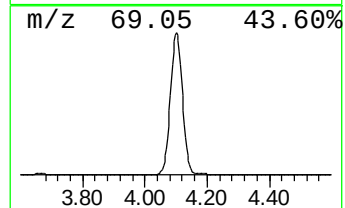
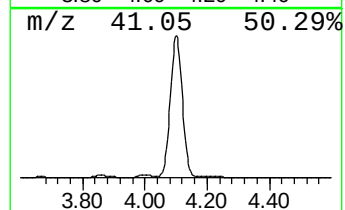
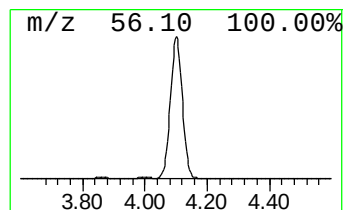
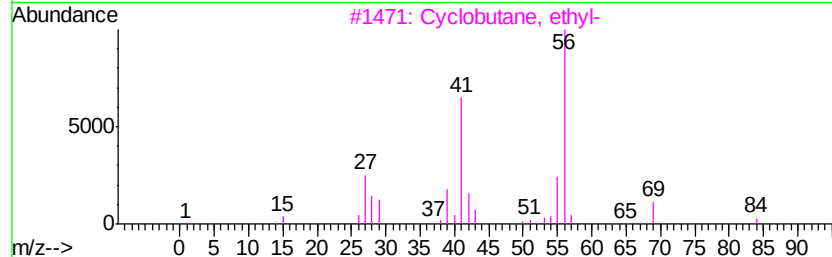
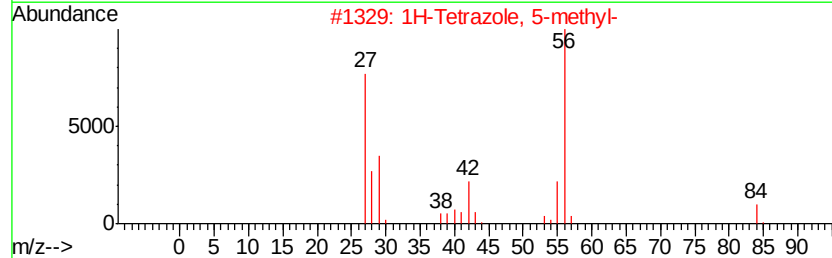
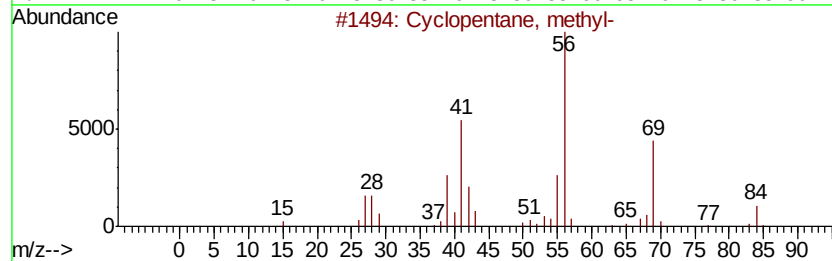
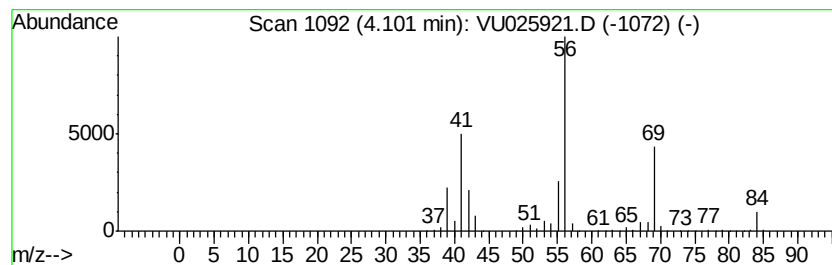
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 7

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 4.10 | 49.65 ug/l | 3943290 | Pentafluorobenzene | 4.99 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 94   |
| 2    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 72   |
| 3    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 64   |
| 4    |    | Cyclohexane             | 84 | C6H12   | 000110-82-7 | 56   |
| 5    |    | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 47   |



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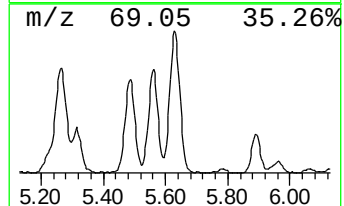
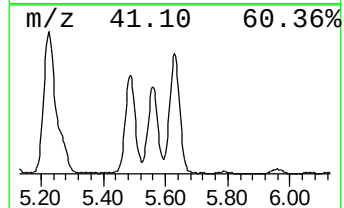
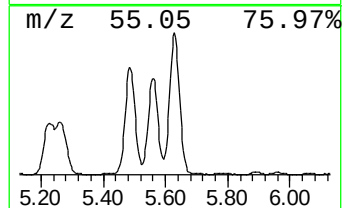
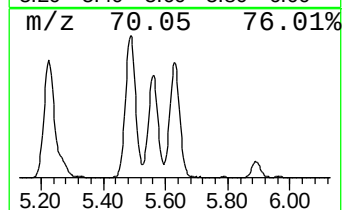
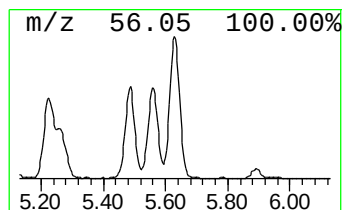
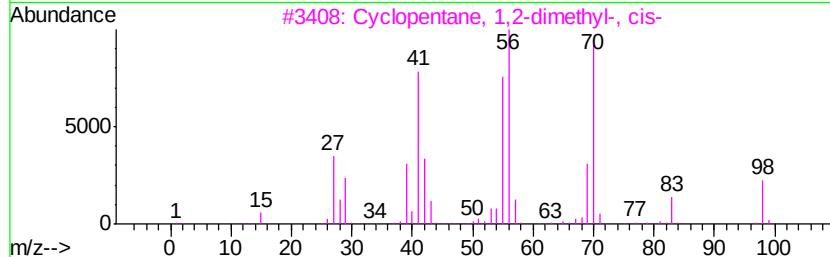
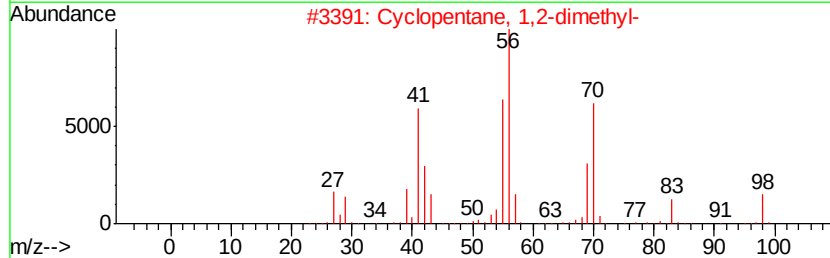
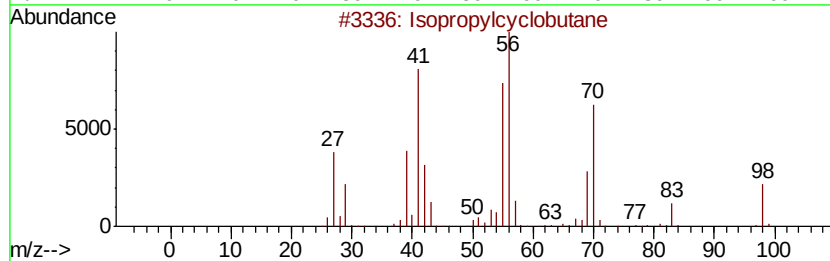
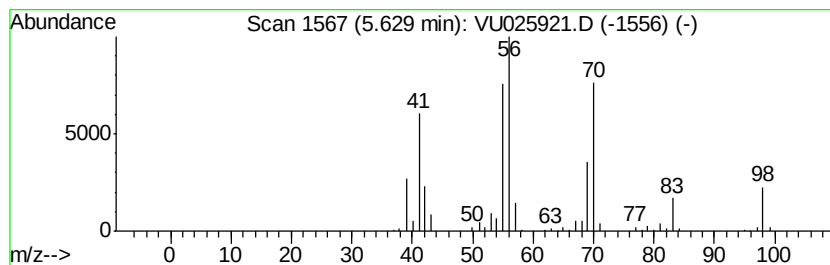
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Isopropylcyclobutane Concentration Rank 10

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 5.63 | 36.29 ug/l | 564921 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|----|---------|-------------|------|
| 1    | 5  | Isopropylcvclobutane                | 98 | C7H14   | 000872-56-0 | 94   |
| 2    |    | Cyclopentane, 1,2-dimethyl-         | 98 | C7H14   | 002452-99-5 | 91   |
| 3    |    | Cyclopentane, 1,2-dimethyl-, cis-   | 98 | C7H14   | 001192-18-3 | 91   |
| 4    |    | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14   | 000822-50-4 | 91   |
| 5    |    | 1-Heptene                           | 98 | C7H14   | 000592-76-7 | 80   |



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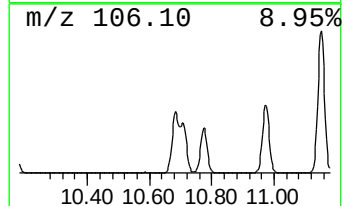
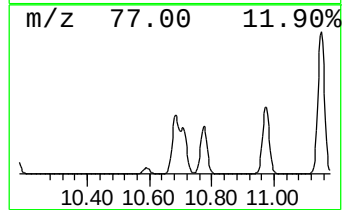
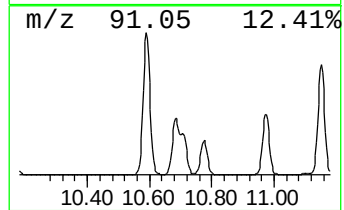
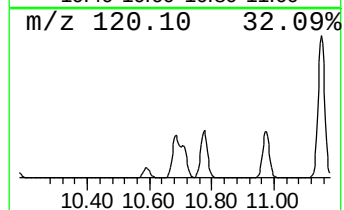
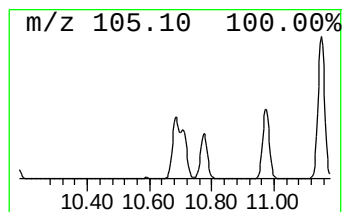
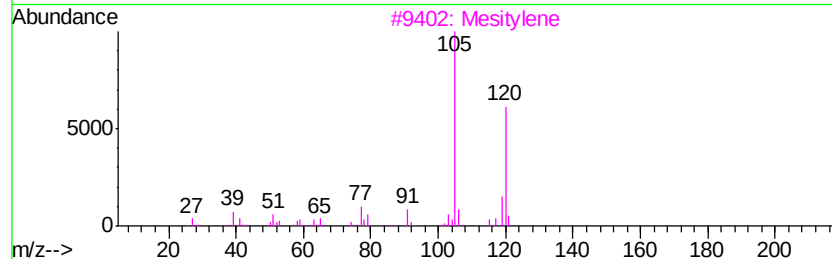
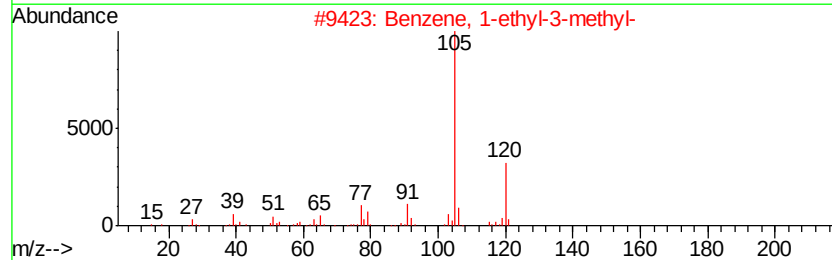
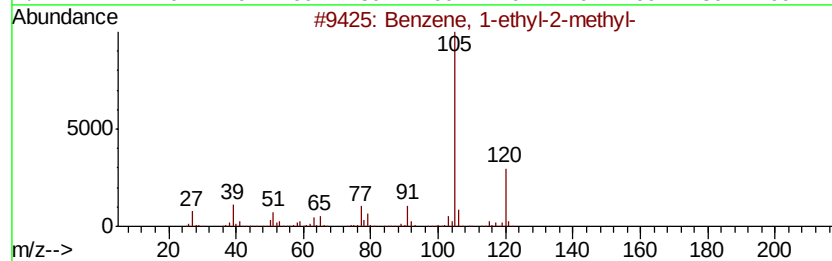
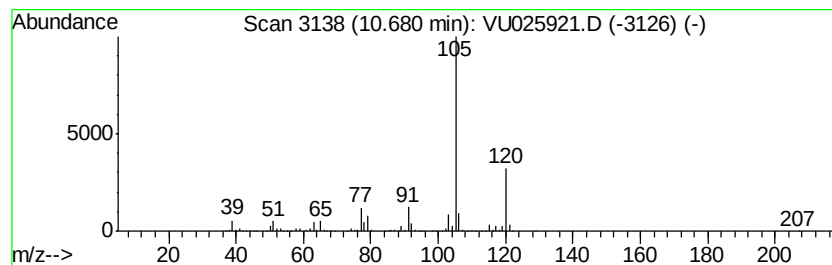
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Quant Title : SW846 8260

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

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

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 10.68 | 127.88 ug/l | 3971790 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

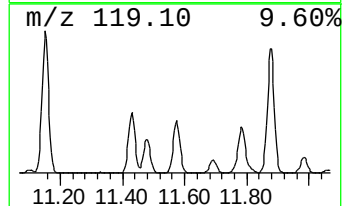
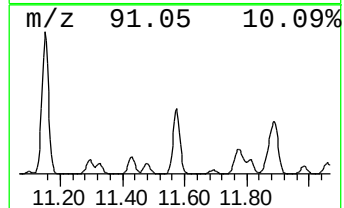
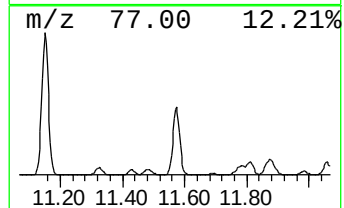
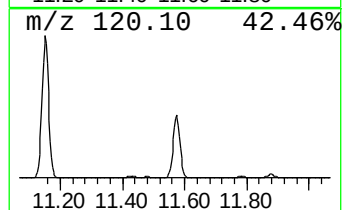
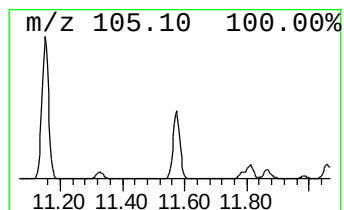
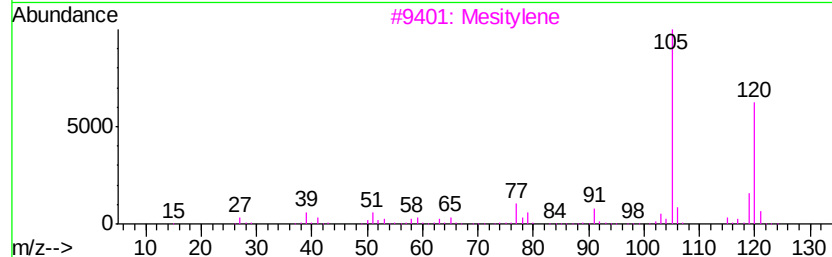
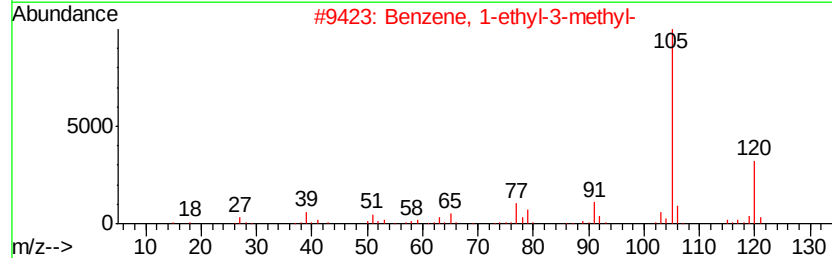
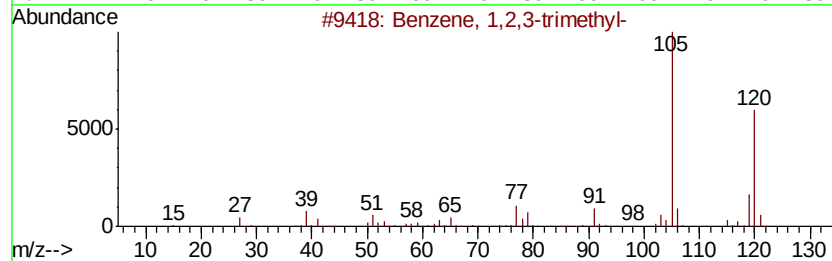
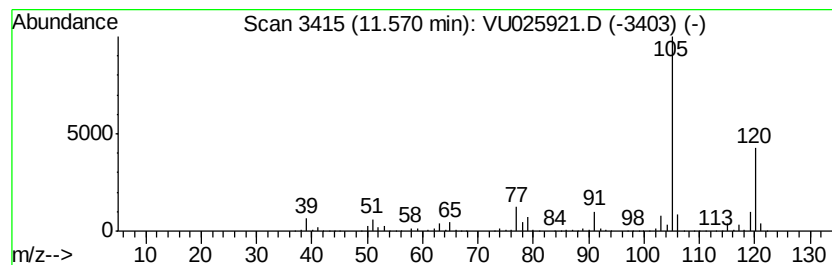
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 11.57 | 141.55 ug/l | 4396610 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

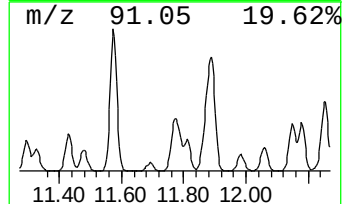
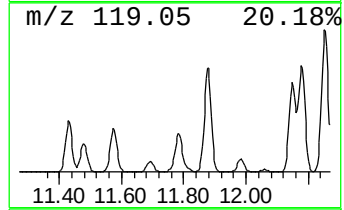
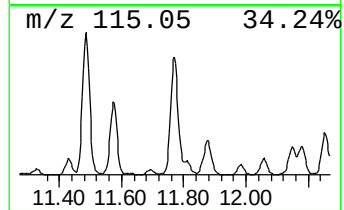
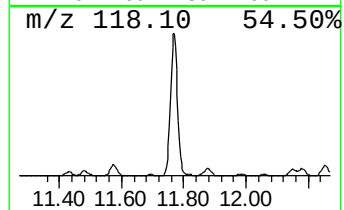
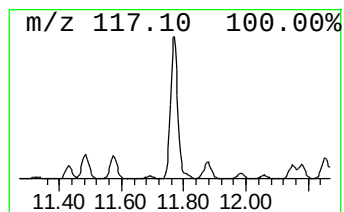
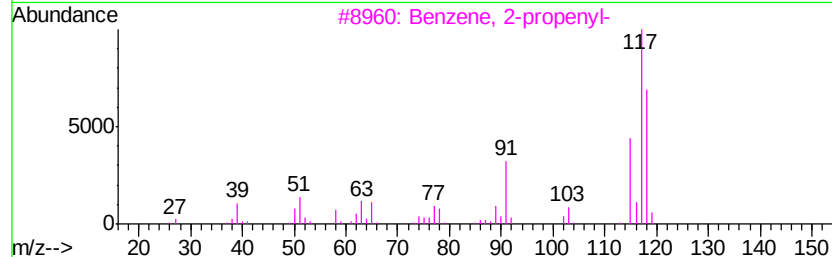
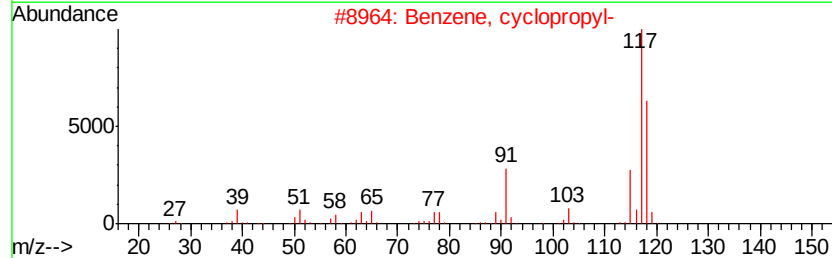
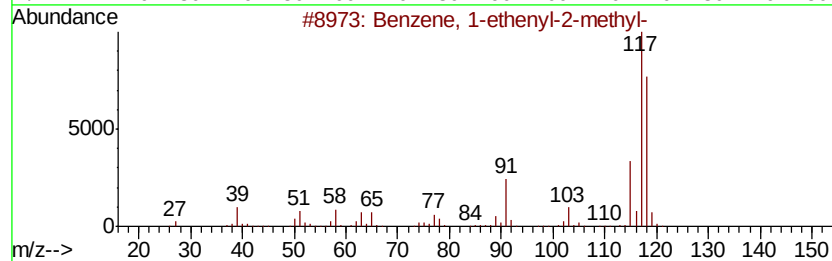
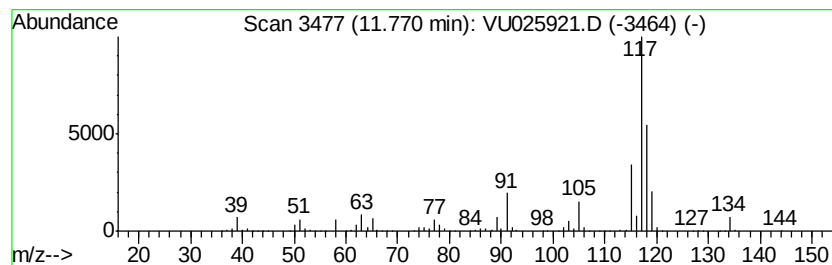
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-ethenyl-2-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 11.77 | 48.09 ug/l | 1493600 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 91   |
| 2    |    | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 91   |
| 3    |    | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 70   |
| 4    |    | (Z)-1-Phenylpropene          | 118 | C9H10   | 000766-90-5 | 64   |
| 5    |    | Indane                       | 118 | C9H10   | 000496-11-7 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

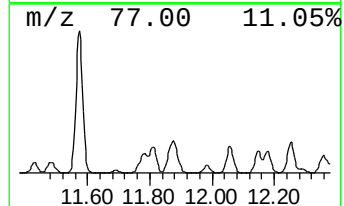
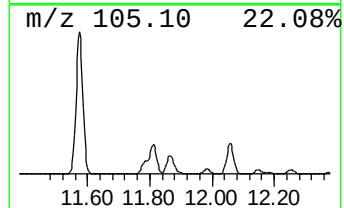
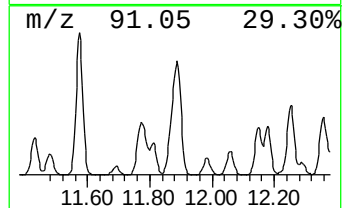
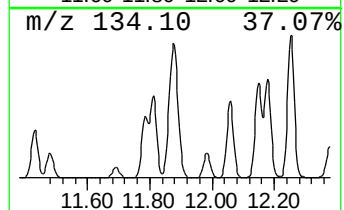
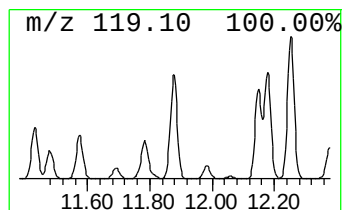
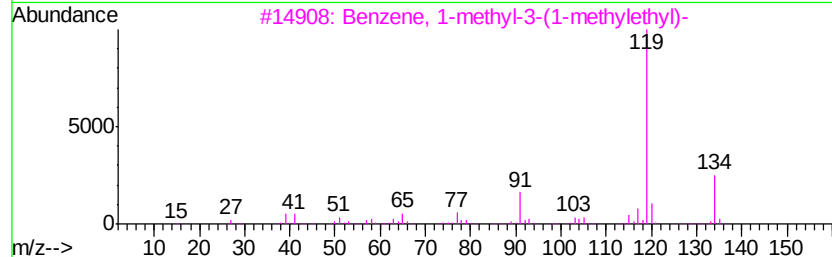
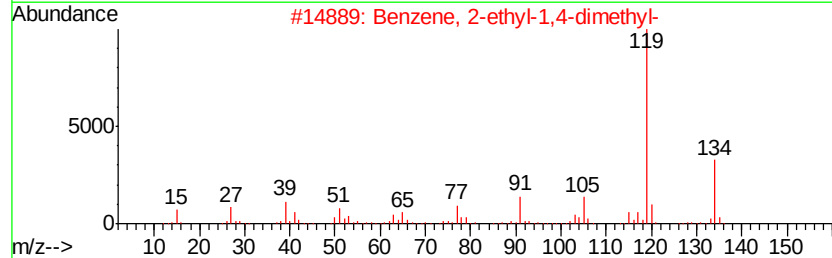
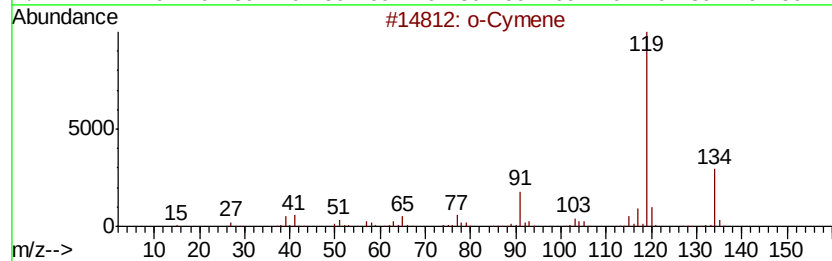
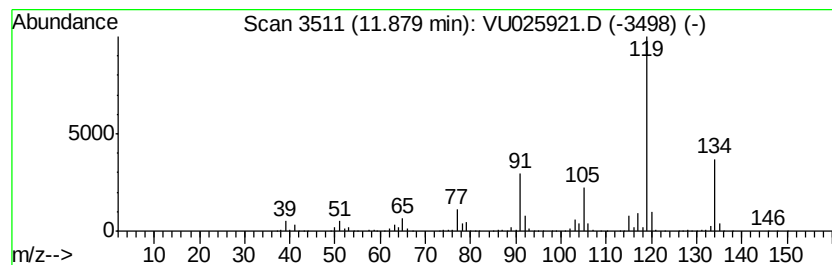
Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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

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Peak Number 7 o-Cymene Concentration Rank 6

| R.T.    | EstConc    | Area                                 | Relative to ISTD       | R.T.           |
|---------|------------|--------------------------------------|------------------------|----------------|
| 11.88   | 55.65 ug/l | 1728590                              | 1,4-Dichlorobenzene-d4 | 11.49          |
| Hit# of | 5          | Tentative ID                         | MW MolForm             | CAS# Qual      |
| 1       |            | o-Cymene                             | 134 C10H14             | 000527-84-4 94 |
| 2       |            | Benzene, 2-ethyl-1,4-dimethyl-       | 134 C10H14             | 001758-88-9 93 |
| 3       |            | Benzene, 1-methyl-3-(1-methylethyl)- | 134 C10H14             | 000535-77-3 93 |
| 4       |            | Benzene, 4-ethyl-1,2-dimethyl-       | 134 C10H14             | 000934-80-5 93 |
| 5       |            | Benzene, 1,2,3,4-tetramethyl-        | 134 C10H14             | 000488-23-3 91 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
FL-0529

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

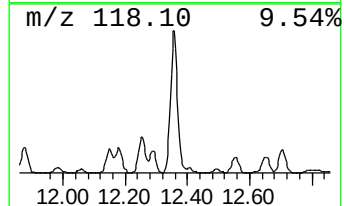
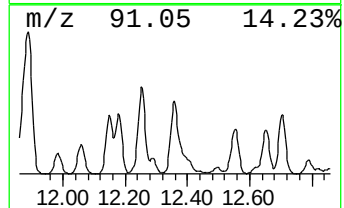
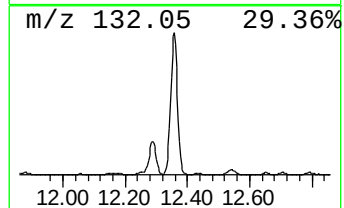
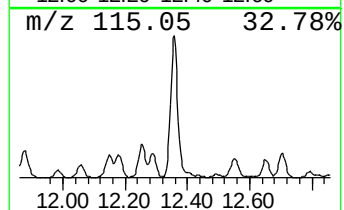
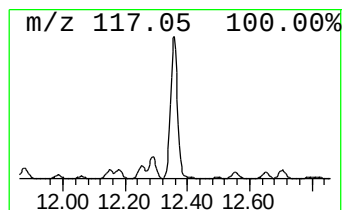
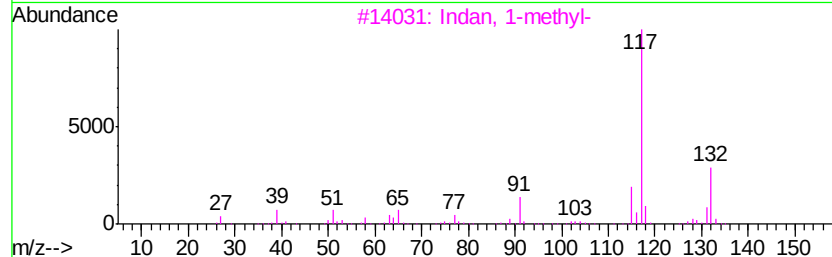
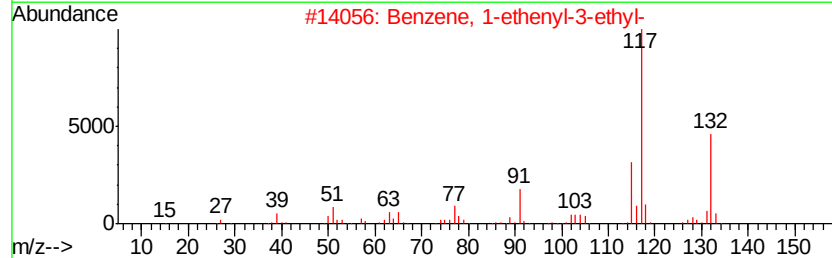
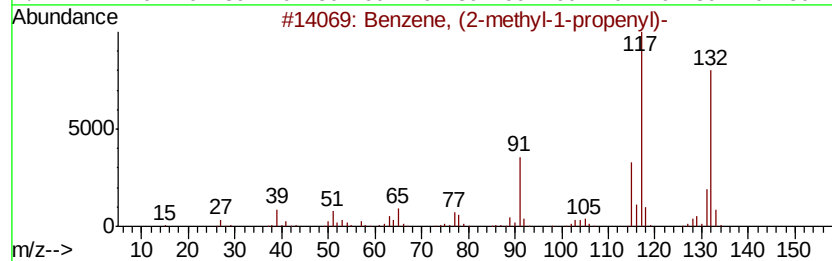
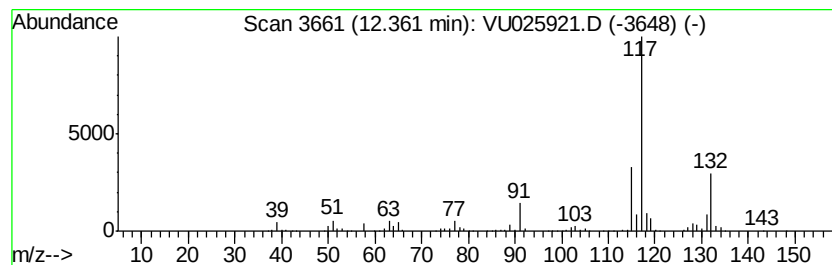
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, (2-methyl-1-propen... Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.36 | 58.67 ug/l | 1822180 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|---------|---|---------------------------------|-----|---------|--------------|------|
| 1       |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0  | 90   |
| 2       |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4  | 90   |
| 3       |   | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8  | 87   |
| 4       |   | Benzene, (2-methylcyclopropyl)- | 132 | C10H12  | 1000327-39-0 | 87   |
| 5       |   | 3-Phenylbut-1-ene               | 132 | C10H12  | 000934-10-1  | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

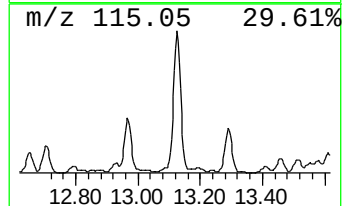
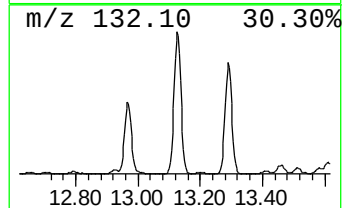
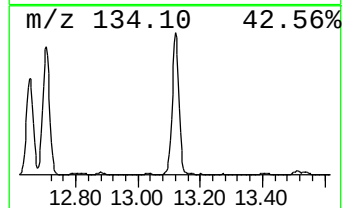
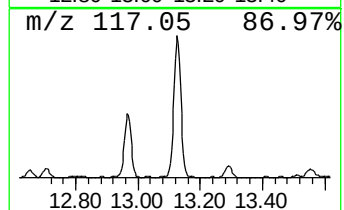
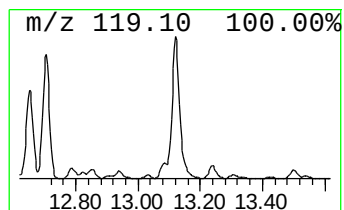
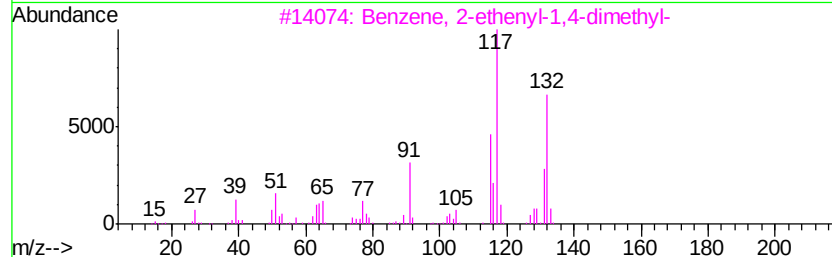
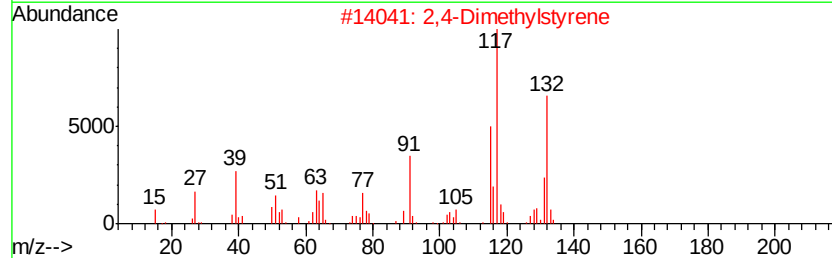
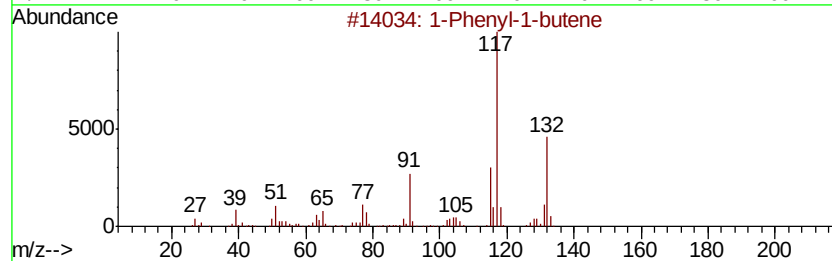
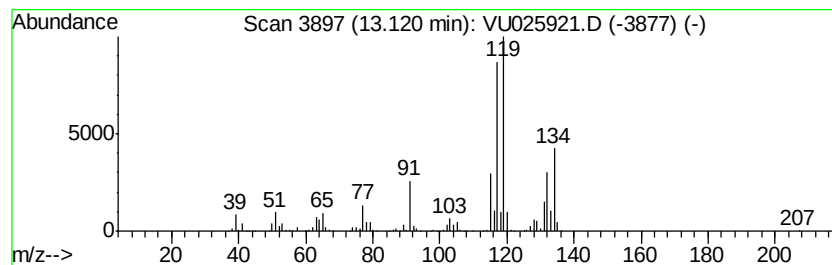
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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

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Peak Number 10 1-Phenyl-1-butene Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.12 | 84.86 ug/l | 2635600 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 86   |
| 2    |    | 2,4-Dimethylstyrene              | 132 | C10H12  | 002234-20-0 | 86   |
| 3    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 80   |
| 4    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 64   |
| 5    |    | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12  | 002039-90-9 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU080618\  
Data File : VU025921.D  
Acq On : 07 Aug 2018 05:48  
Operator : MD/SY  
Sample : J4344-10  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
FL-0529

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260

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... | 4.10  | 49.6    | ug/l  | 3943290  | 1                     | 4.99  | 3971120 | 50.0 |
| Isopropylcyclobutane | 5.63  | 36.3    | ug/l  | 564921   | 2                     | 5.89  | 778319  | 50.0 |
| Benzene, 1-ethyl-... | 10.68 | 127.9   | ug/l  | 3971790  | 4                     | 11.49 | 1552990 | 50.0 |
| Benzene, 1,2,3-tr... | 11.57 | 141.6   | ug/l  | 4396610  | 4                     | 11.49 | 1552990 | 50.0 |
| Benzene, 1-etheny... | 11.77 | 48.1    | ug/l  | 1493600  | 4                     | 11.49 | 1552990 | 50.0 |
| o-Cymene             | 11.88 | 55.6    | ug/l  | 1728590  | 4                     | 11.49 | 1552990 | 50.0 |
| Benzene, (2-methy... | 12.36 | 58.7    | ug/l  | 1822180  | 4                     | 11.49 | 1552990 | 50.0 |
| 1-Phenyl-1-butene    | 13.12 | 84.9    | ug/l  | 2635600  | 4                     | 11.49 | 1552990 | 50.0 |