

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
 Data File : VU027484.D  
 Acq On : 06 Oct 2018 03:18  
 Operator : MD/SY  
 Sample : J5268-03DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-10DL

## 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\82U100118W.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         | 1.402       | 64            | 71          | 80           | rBV      | 18308          | 19126         | 2.43%           | 0.194%        |
| 2         | 1.759       | 172           | 182         | 204          | rBV      | 290356         | 383678        | 48.84%          | 3.901%        |
| 3         | 1.948       | 232           | 241         | 256          | rVB      | 78069          | 110244        | 14.03%          | 1.121%        |
| 4         | 2.051       | 263           | 273         | 284          | rBV      | 11355          | 15447         | 1.97%           | 0.157%        |
| 5         | 2.186       | 307           | 315         | 335          | rVB2     | 21779          | 34238         | 4.36%           | 0.348%        |
| 6         | 2.305       | 340           | 352         | 370          | rVB2     | 15003          | 29484         | 3.75%           | 0.300%        |
| 7         | 2.646       | 445           | 458         | 466          | rBV8     | 5179           | 12327         | 1.57%           | 0.125%        |
| 8         | 2.710       | 466           | 478         | 481          | rVV2     | 43676          | 73665         | 9.38%           | 0.749%        |
| 9         | 2.746       | 483           | 489         | 498          | rVV      | 80873          | 154807        | 19.71%          | 1.574%        |
| 10        | 2.794       | 498           | 504         | 524          | rVB4     | 42639          | 92345         | 11.76%          | 0.939%        |
| 11        | 3.000       | 552           | 568         | 589          | rBV      | 65634          | 141331        | 17.99%          | 1.437%        |
| 12        | 3.193       | 615           | 628         | 644          | rVB4     | 11200          | 25394         | 3.23%           | 0.258%        |
| 13        | 3.305       | 652           | 663         | 680          | rVB2     | 10621          | 23067         | 2.94%           | 0.235%        |
| 14        | 3.424       | 684           | 700         | 712          | rBV3     | 7218           | 16672         | 2.12%           | 0.170%        |
| 15        | 3.505       | 712           | 725         | 731          | rBV6     | 5403           | 12625         | 1.61%           | 0.128%        |
| 16        | 3.559       | 731           | 742         | 757          | rVB2     | 24297          | 54511         | 6.94%           | 0.554%        |
| 17        | 3.659       | 759           | 773         | 786          | rBV3     | 17160          | 39683         | 5.05%           | 0.404%        |
| 18        | 3.739       | 786           | 798         | 812          | rVV5     | 7677           | 19453         | 2.48%           | 0.198%        |
| 19        | 3.897       | 832           | 847         | 866          | rVB4     | 20592          | 51539         | 6.56%           | 0.524%        |
| 20        | 3.997       | 866           | 878         | 890          | rVB4     | 3968           | 9077          | 1.16%           | 0.092%        |
| 21        | 4.096       | 891           | 909         | 927          | rBV2     | 97887          | 264884        | 33.72%          | 2.693%        |
| 22        | 4.186       | 928           | 937         | 960          | rVB7     | 10201          | 29727         | 3.78%           | 0.302%        |
| 23        | 4.781       | 1113          | 1122        | 1138         | rVB3     | 20592          | 47285         | 6.02%           | 0.481%        |
| 24        | 4.887       | 1138          | 1155        | 1171         | rBV      | 105043         | 240153        | 30.57%          | 2.442%        |
| 25        | 4.987       | 1171          | 1186        | 1205         | rVV3     | 194099         | 479599        | 61.06%          | 4.877%        |
| 26        | 5.083       | 1205          | 1216        | 1236         | rVB8     | 15548          | 49952         | 6.36%           | 0.508%        |
| 27        | 5.225       | 1245          | 1260        | 1274         | rBV7     | 9295           | 29418         | 3.75%           | 0.299%        |
| 28        | 5.312       | 1274          | 1287        | 1311         | rVB      | 129139         | 277058        | 35.27%          | 2.817%        |
| 29        | 5.485       | 1329          | 1341        | 1348         | rBV3     | 13936          | 30564         | 3.89%           | 0.311%        |
| 30        | 5.624       | 1374          | 1384        | 1400         | rVB5     | 12376          | 29293         | 3.73%           | 0.298%        |
| 31        | 5.887       | 1453          | 1466        | 1479         | rBV      | 222908         | 445917        | 56.77%          | 4.534%        |
| 32        | 6.225       | 1556          | 1571        | 1586         | rVB6     | 11996          | 27506         | 3.50%           | 0.280%        |
| 33        | 6.414       | 1609          | 1630        | 1645         | rBV3     | 40635          | 98809         | 12.58%          | 1.005%        |
| 34        | 6.643       | 1692          | 1701        | 1714         | rVB3     | 5389           | 10388         | 1.32%           | 0.106%        |

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 MW-10DL

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 Sampling : 1  
 Start Thrs: 0.2  
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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\82U100118W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 6.832  | 1744 | 1760 | 1762 | rBV7 | 6898   | 12770  | 1.63%   | 0.130% |
| 36 | 6.926  | 1775 | 1789 | 1801 | rVB7 | 5939   | 13450  | 1.71%   | 0.137% |
| 37 | 7.064  | 1811 | 1832 | 1843 | rBV6 | 14143  | 35749  | 4.55%   | 0.364% |
| 38 | 7.434  | 1936 | 1947 | 1961 | rVB2 | 11896  | 22235  | 2.83%   | 0.226% |
| 39 | 7.566  | 1966 | 1988 | 2004 | rBV  | 432888 | 785505 | 100.00% | 7.987% |
| 40 | 7.640  | 2004 | 2011 | 2026 | rVB  | 23933  | 42652  | 5.43%   | 0.434% |
| 41 | 8.096  | 2145 | 2153 | 2165 | rVB4 | 5304   | 9153   | 1.17%   | 0.093% |
| 42 | 8.183  | 2169 | 2180 | 2188 | rBV2 | 4556   | 10070  | 1.28%   | 0.102% |
| 43 | 9.090  | 2449 | 2462 | 2481 | rBV  | 334539 | 563359 | 71.72%  | 5.729% |
| 44 | 9.250  | 2498 | 2512 | 2535 | rVB  | 355729 | 577762 | 73.55%  | 5.875% |
| 45 | 9.376  | 2539 | 2551 | 2578 | rVB  | 344679 | 563284 | 71.71%  | 5.728% |
| 46 | 9.781  | 2662 | 2677 | 2693 | rBV  | 124820 | 198410 | 25.26%  | 2.018% |
| 47 | 10.167 | 2787 | 2797 | 2810 | rBV2 | 19997  | 30587  | 3.89%   | 0.311% |
| 48 | 10.308 | 2829 | 2841 | 2858 | rBV  | 325330 | 512491 | 65.24%  | 5.211% |
| 49 | 10.588 | 2916 | 2928 | 2947 | rBV  | 44103  | 76148  | 9.69%   | 0.774% |
| 50 | 10.681 | 2947 | 2957 | 2962 | rBV  | 76348  | 124953 | 15.91%  | 1.271% |
| 51 | 10.774 | 2976 | 2986 | 2999 | rVB  | 53733  | 82372  | 10.49%  | 0.838% |
| 52 | 10.971 | 3036 | 3047 | 3064 | rBV  | 84840  | 133159 | 16.95%  | 1.354% |
| 53 | 11.151 | 3090 | 3103 | 3116 | rBV  | 225131 | 340320 | 43.32%  | 3.461% |
| 54 | 11.485 | 3195 | 3207 | 3223 | rBV  | 423989 | 659018 | 83.90%  | 6.701% |
| 55 | 11.572 | 3224 | 3234 | 3248 | rVB  | 63231  | 96899  | 12.34%  | 0.985% |
| 56 | 11.765 | 3282 | 3294 | 3316 | rBV  | 311186 | 531189 | 67.62%  | 5.401% |
| 57 | 11.871 | 3317 | 3327 | 3342 | rVB6 | 21683  | 43942  | 5.59%   | 0.447% |
| 58 | 11.983 | 3350 | 3362 | 3373 | rVV3 | 9842   | 15135  | 1.93%   | 0.154% |
| 59 | 12.057 | 3375 | 3385 | 3397 | rVB2 | 9709   | 14421  | 1.84%   | 0.147% |
| 60 | 12.147 | 3402 | 3413 | 3419 | rBV  | 20709  | 32489  | 4.14%   | 0.330% |
| 61 | 12.250 | 3432 | 3445 | 3452 | rBV  | 41150  | 64705  | 8.24%   | 0.658% |
| 62 | 12.286 | 3452 | 3456 | 3467 | rVB  | 20877  | 28140  | 3.58%   | 0.286% |
| 63 | 12.353 | 3467 | 3477 | 3497 | rBV  | 77846  | 128232 | 16.32%  | 1.304% |
| 64 | 12.546 | 3525 | 3537 | 3549 | rBV4 | 5401   | 9709   | 1.24%   | 0.099% |
| 65 | 12.652 | 3557 | 3570 | 3578 | rBV  | 21110  | 31697  | 4.04%   | 0.322% |
| 66 | 12.704 | 3578 | 3586 | 3598 | rVB  | 19718  | 28574  | 3.64%   | 0.291% |
| 67 | 12.964 | 3658 | 3667 | 3683 | rVB  | 53897  | 83775  | 10.67%  | 0.852% |
| 68 | 13.125 | 3705 | 3717 | 3729 | rBV2 | 118740 | 184056 | 23.43%  | 1.872% |
| 69 | 13.186 | 3729 | 3736 | 3746 | rVB4 | 8964   | 14725  | 1.87%   | 0.150% |
| 70 | 13.289 | 3760 | 3768 | 3786 | rVB4 | 16620  | 27629  | 3.52%   | 0.281% |
| 71 | 13.456 | 3811 | 3820 | 3829 | rBV3 | 12757  | 20382  | 2.59%   | 0.207% |

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ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

## 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\82U100118W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 13.511 | 3829 | 3837 | 3844 | rBV6 | 10203  | 15967  | 2.03%  | 0.162% |
| 73 | 13.610 | 3862 | 3868 | 3875 | rVB2 | 11019  | 13869  | 1.77%  | 0.141% |
| 74 | 13.742 | 3896 | 3909 | 3934 | rBV  | 131846 | 215747 | 27.47% | 2.194% |
| 75 | 13.864 | 3937 | 3947 | 3961 | rVB  | 8956   | 14609  | 1.86%  | 0.149% |
| 76 | 14.154 | 4029 | 4037 | 4048 | rVB3 | 7317   | 10155  | 1.29%  | 0.103% |
| 77 | 14.337 | 4085 | 4094 | 4104 | rBV4 | 4390   | 8200   | 1.04%  | 0.083% |
| 78 | 14.884 | 4255 | 4264 | 4277 | rBV3 | 7155   | 13619  | 1.73%  | 0.138% |
| 79 | 15.067 | 4311 | 4321 | 4335 | rBV3 | 7297   | 13633  | 1.74%  | 0.139% |

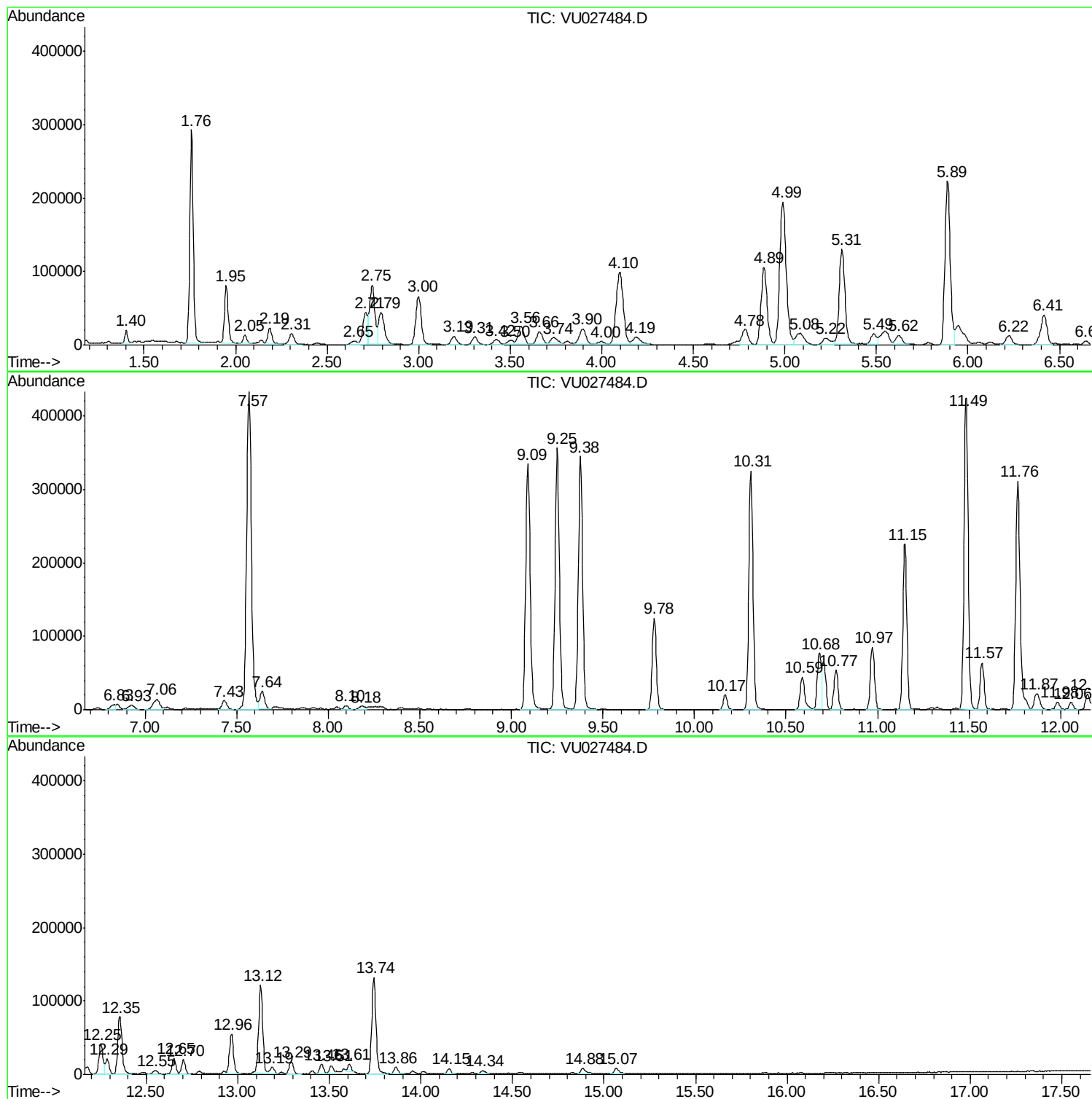
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
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Sample : J5268-03DL 10X  
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Instrument :  
MSVOA\_U  
ClientSampled :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

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



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Sample : J5268-03DL 10X  
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ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

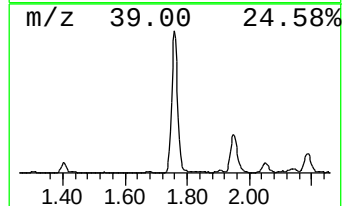
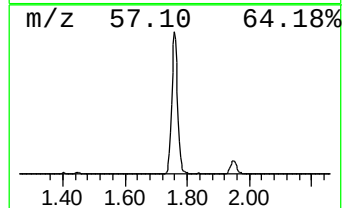
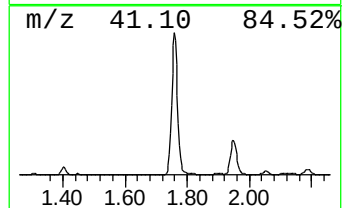
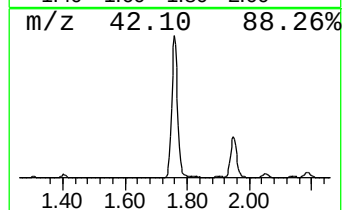
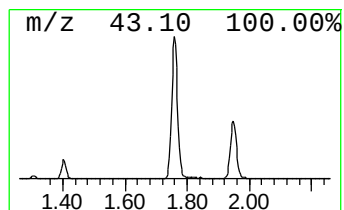
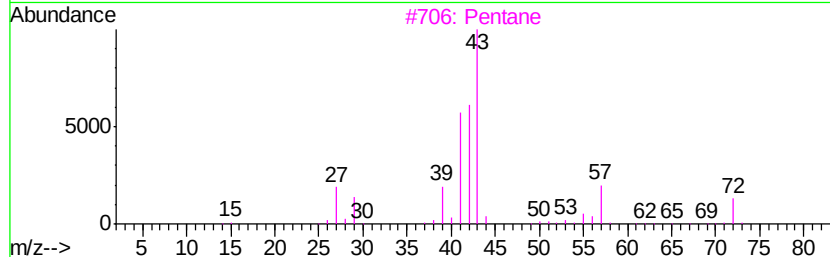
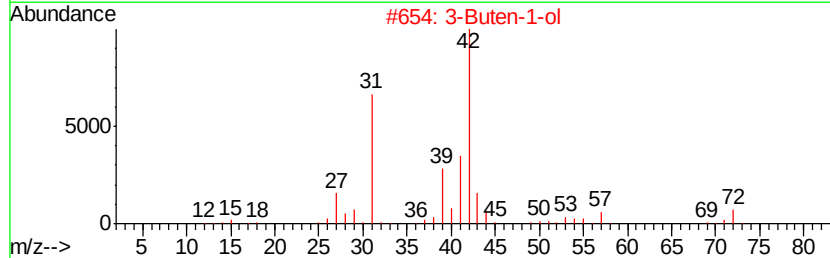
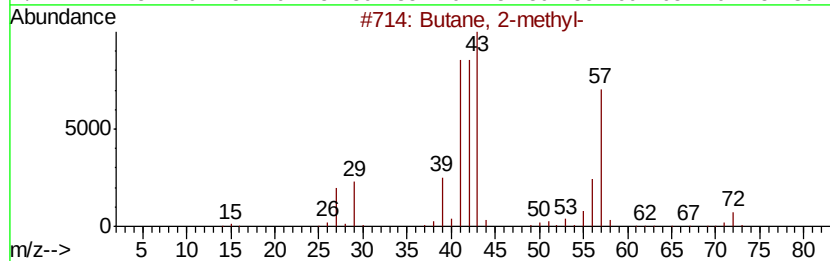
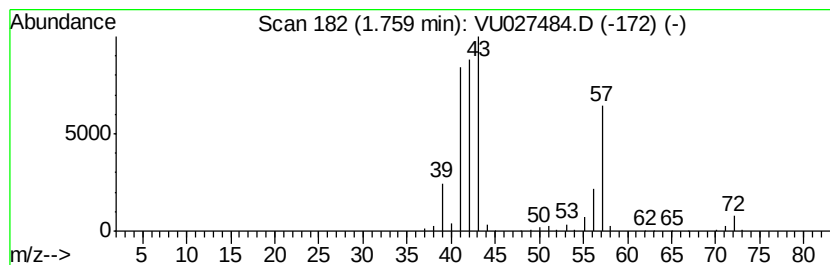
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 1.76 | 40.00 ug/l | 383678 | Pentafluorobenzene | 4.99 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl-    | 72 | C5H12   | 000078-78-4 | 94   |
| 2    |    | 3-Buten-1-ol         | 72 | C4H8O   | 000627-27-0 | 47   |
| 3    |    | Pentane              | 72 | C5H12   | 000109-66-0 | 36   |
| 4    |    | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 25   |
| 5    |    | 1-Butene             | 56 | C4H8    | 000106-98-9 | 10   |



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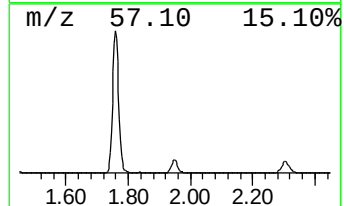
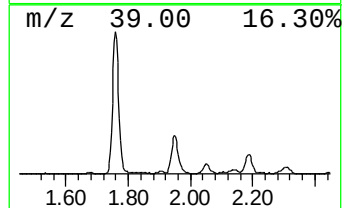
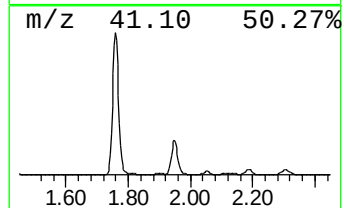
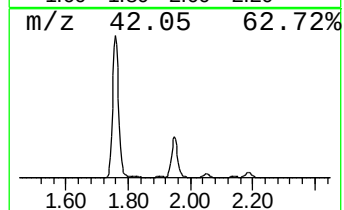
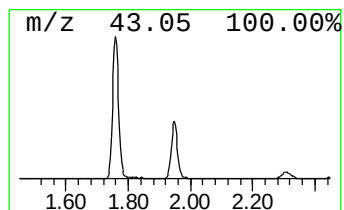
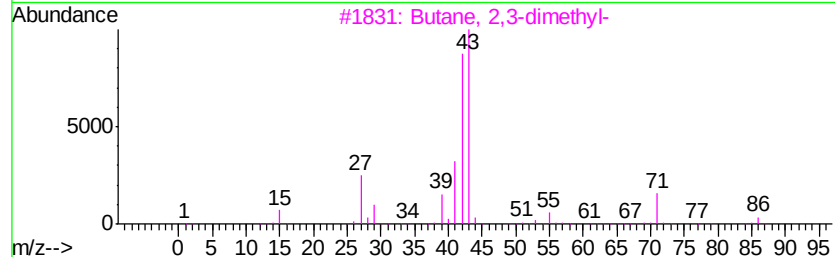
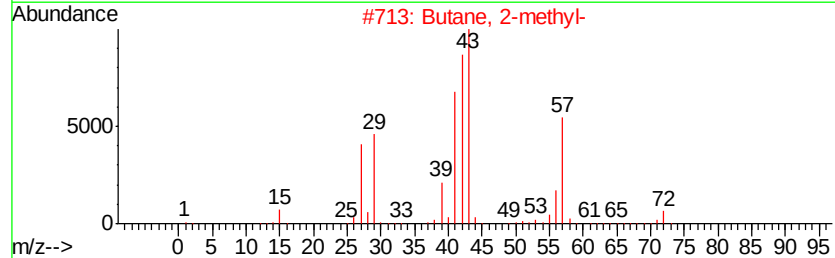
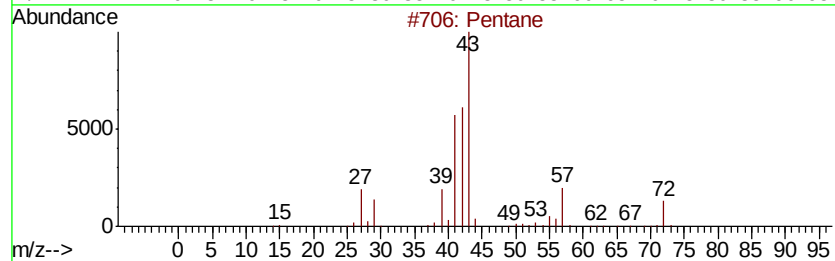
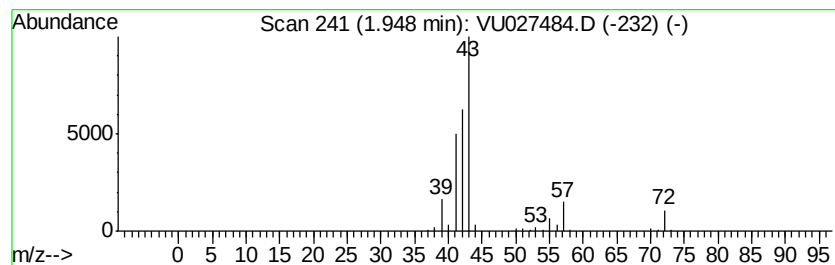
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Pentane Concentration Rank 7

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 1.95 | 11.49 ug/l | 110244 | Pentafluorobenzene | 4.99 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | Pentane                   | 72 | C5H12   | 000109-66-0 | 91   |
| 2    |    | Butane, 2-methyl-         | 72 | C5H12   | 000078-78-4 | 45   |
| 3    |    | Butane, 2,3-dimethyl-     | 86 | C6H14   | 000079-29-8 | 36   |
| 4    |    | Diaziridine,3,3-dimethyl- | 72 | C3H8N2  | 004901-76-2 | 9    |
| 5    |    | Oxirane, ethyl-           | 72 | C4H8O   | 000106-88-7 | 9    |



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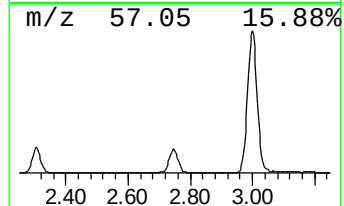
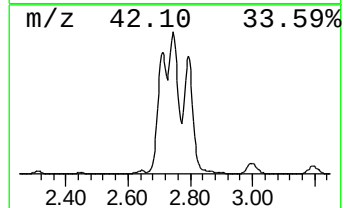
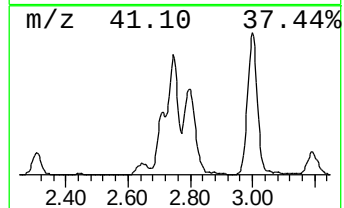
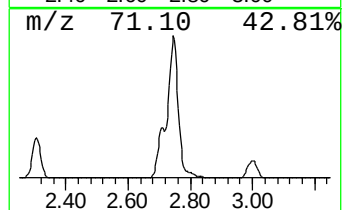
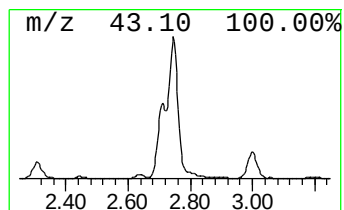
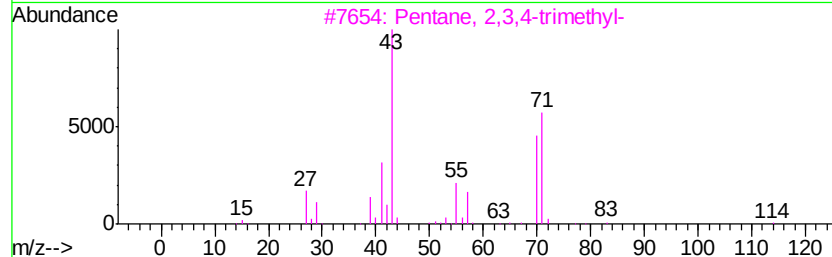
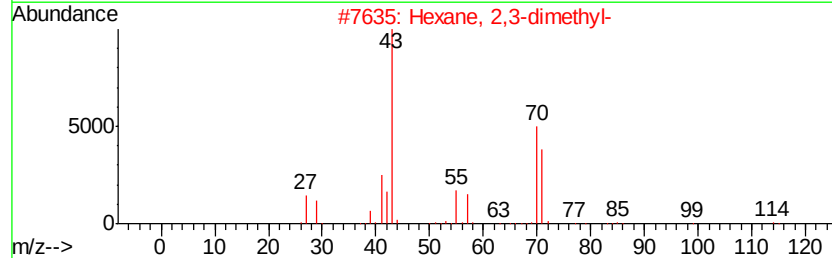
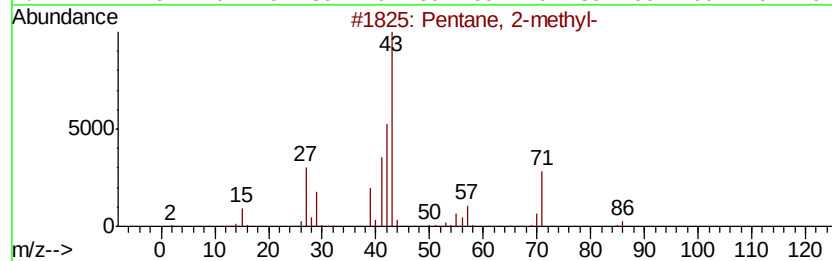
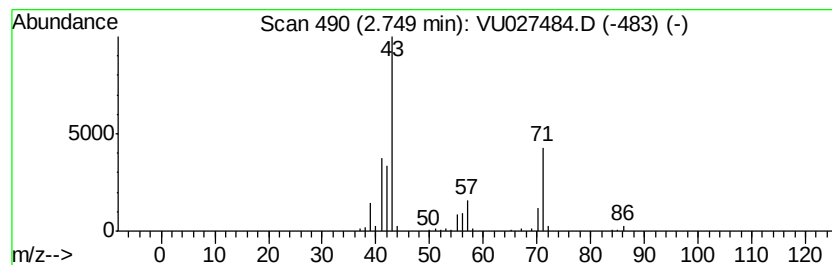
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Quant Title : SW846 8260

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

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Peak Number 3 Pentane, 2-methyl- Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 2.75 | 16.14 ug/l | 154807 | Pentafluorobenzene | 4.99 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-        | 86  | C6H14   | 000107-83-5 | 59   |
| 2    |    | Hexane, 2,3-dimethyl-     | 114 | C8H18   | 000584-94-1 | 42   |
| 3    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 33   |
| 4    |    | Pentane, 3,3-dimethyl-    | 100 | C7H16   | 000562-49-2 | 28   |
| 5    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 28   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

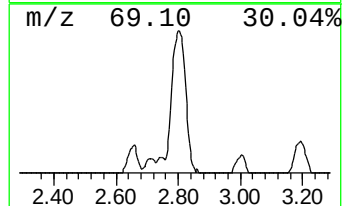
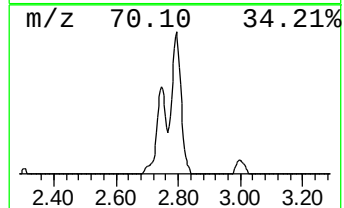
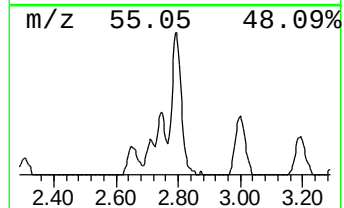
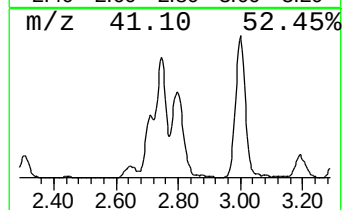
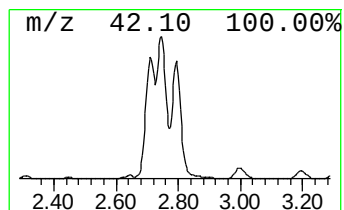
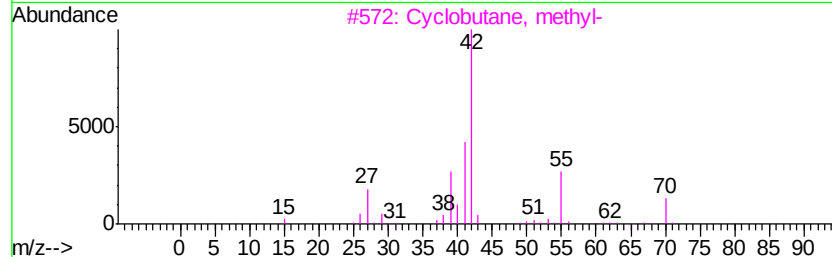
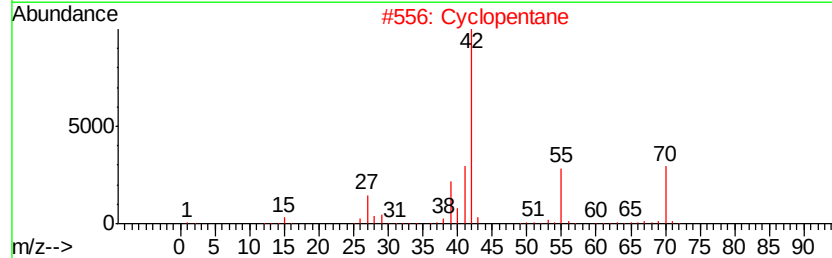
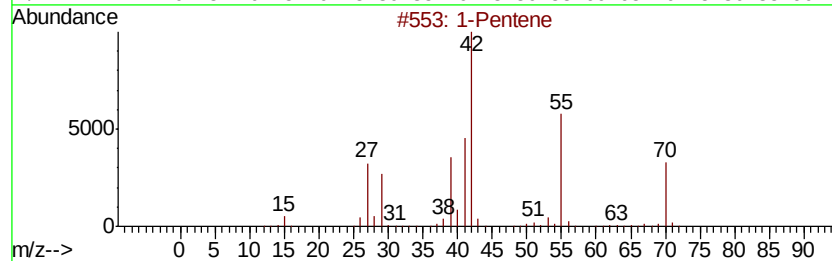
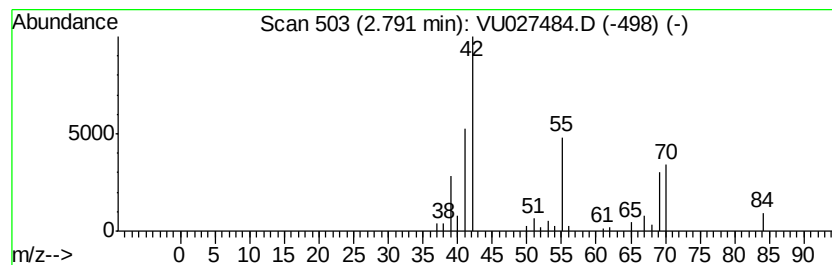
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Quant Title : SW846 8260

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

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Peak Number 4 1-Pentene Concentration Rank 10

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 2.79 | 9.63 ug/l | 92345 | Pentafluorobenzene | 4.99 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 64   |
| 2    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 64   |
| 3    |    |   | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 64   |
| 4    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 59   |
| 5    |    |   | 1-Pentene, 3-methyl- | 84 | C6H12   | 000760-20-3 | 14   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

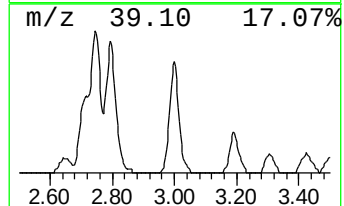
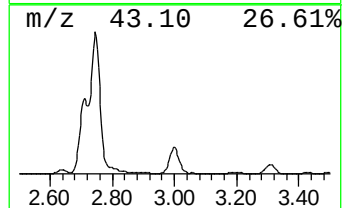
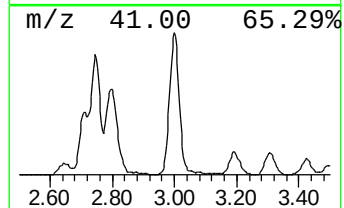
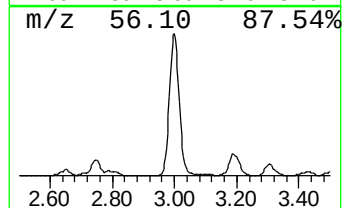
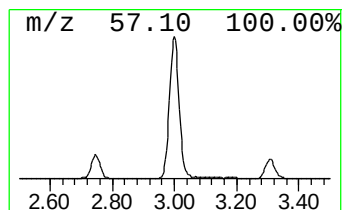
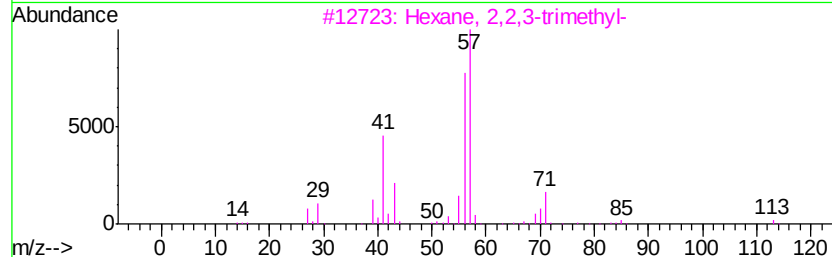
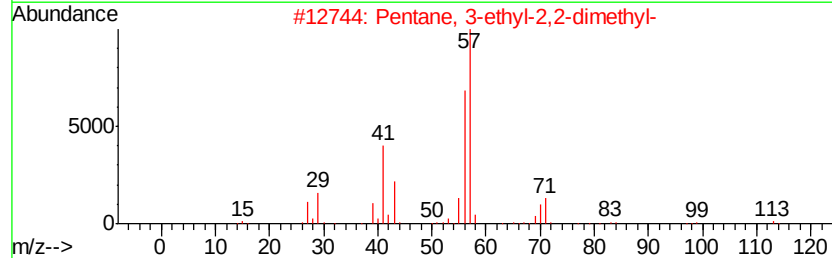
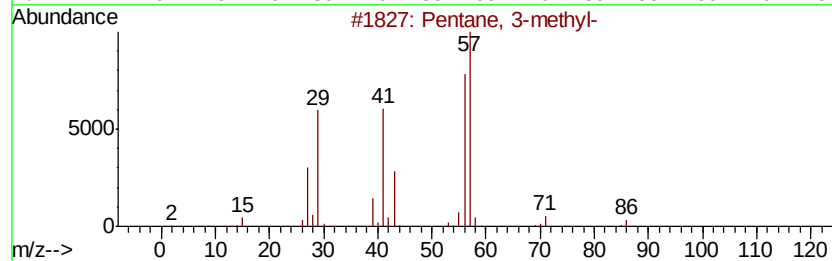
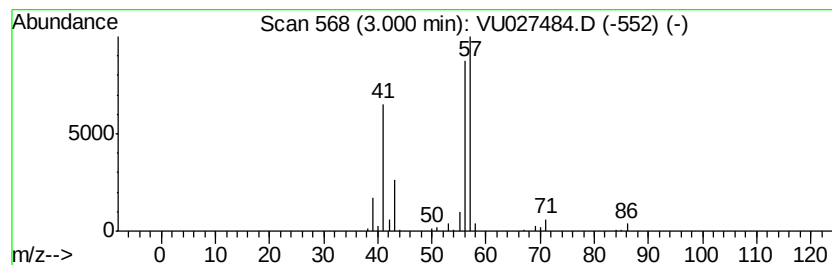
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Quant Title : SW846 8260

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

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Peak Number 5 Pentane, 3-methyl- Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 3.00 | 14.73 ug/l | 141331 | Pentafluorobenzene | 4.99 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-             | 86  | C6H14   | 000096-14-0 | 91   |
| 2    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 64   |
| 3    |    | Hexane, 2,2,3-trimethyl-       | 128 | C9H20   | 016747-25-4 | 64   |
| 4    |    | n-Hexane                       | 86  | C6H14   | 000110-54-3 | 47   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl-  | 128 | C9H20   | 001070-87-7 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

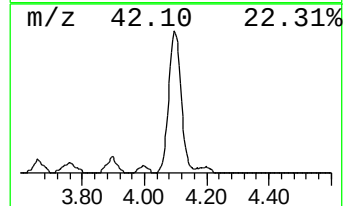
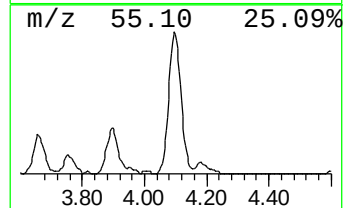
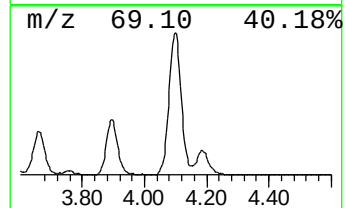
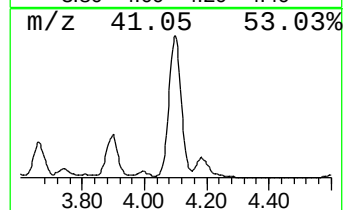
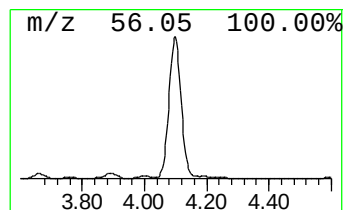
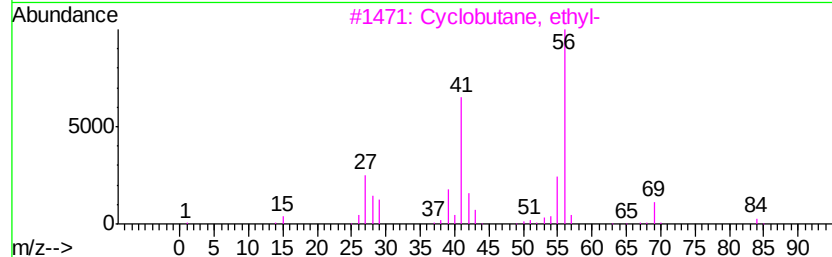
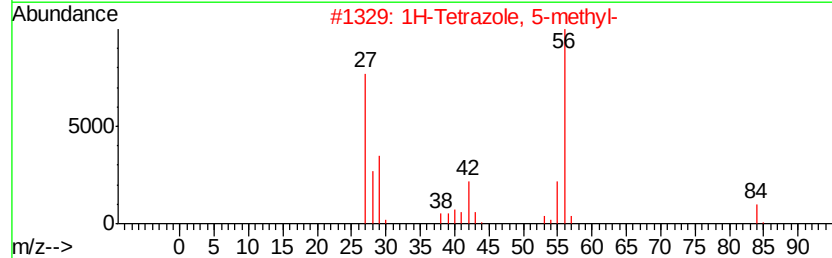
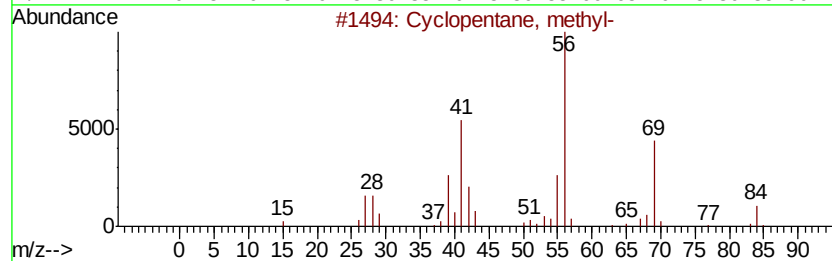
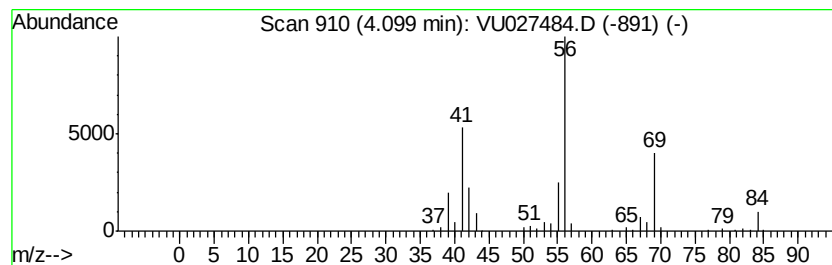
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 4.10 | 27.62 ug/l | 264884 | Pentafluorobenzene | 4.99 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm | CAS#         | Qual |
|---------|---|------------------------------|-----|---------|--------------|------|
| 1       |   | 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  | 72   |
| 4       |   | Aziridine, 1-(2-buten-2-yl)- | 97  | C6H11N  | 1000158-95-2 | 56   |
| 5       |   | Cyclobutane, butyl-          | 112 | C8H16   | 013152-44-8  | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

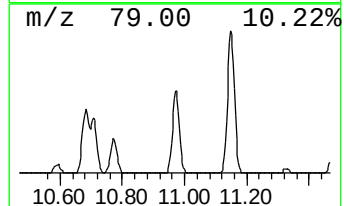
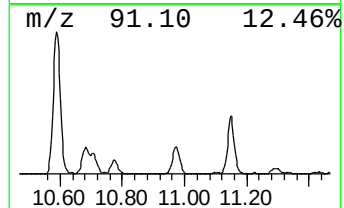
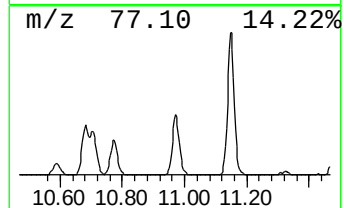
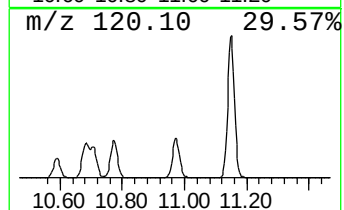
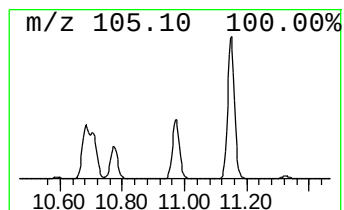
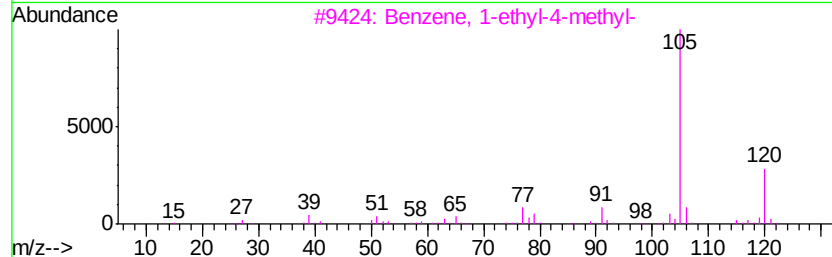
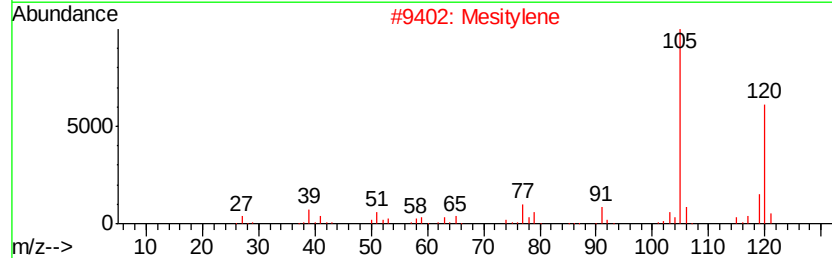
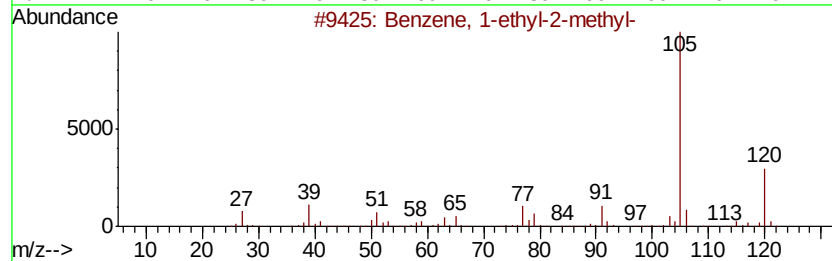
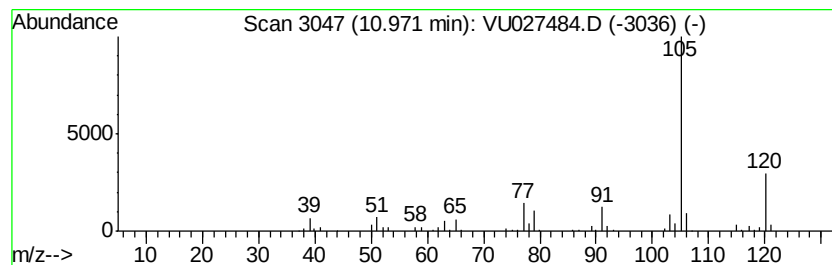
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 10.97 | 10.10 ug/l | 133159 | 1,4-Dichlorobenzene-d4 | 11.48 |

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

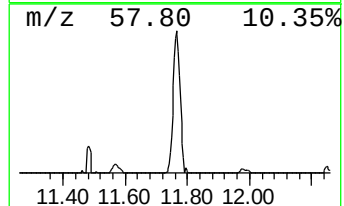
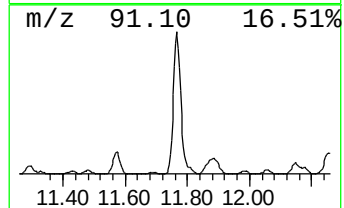
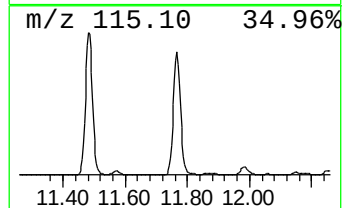
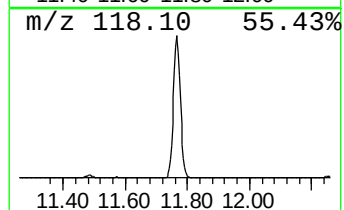
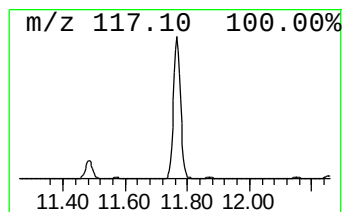
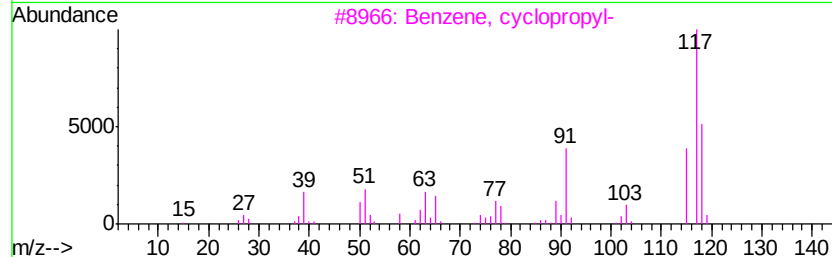
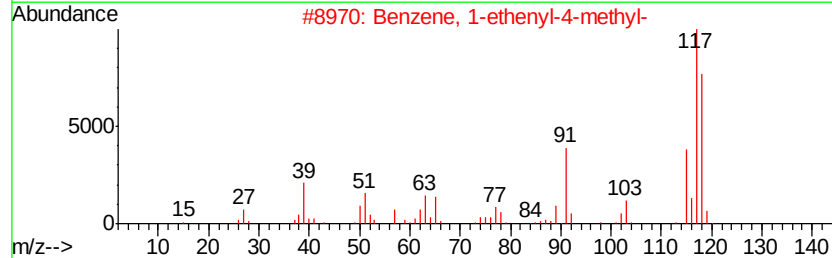
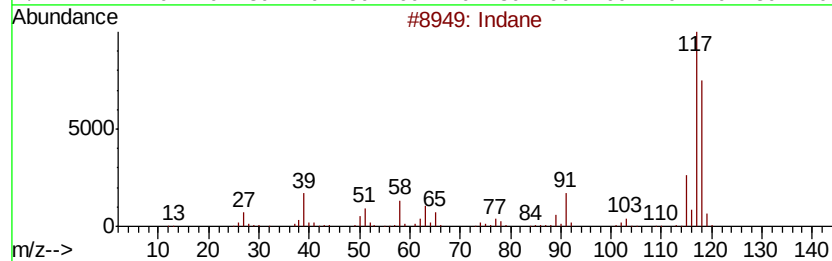
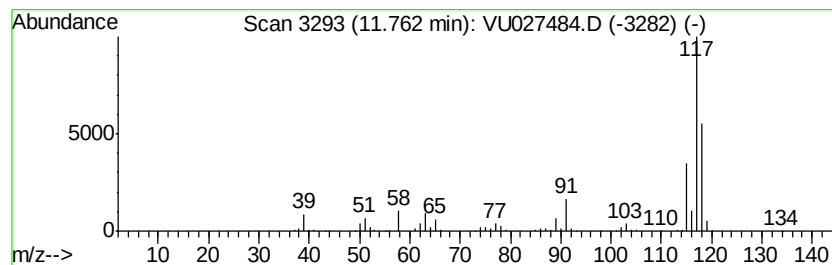
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

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

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Peak Number 8 Indane Concentration Rank 1

| R.T.    | EstConc                           | Area         | Relative to ISTD       | R.T.           |
|---------|-----------------------------------|--------------|------------------------|----------------|
| 11.76   | 40.30 ug/l                        | 531189       | 1,4-Dichlorobenzene-d4 | 11.48          |
| Hit# of | 5                                 | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Indane                            |              | 118 C9H10              | 000496-11-7 96 |
| 2       | Benzene, 1-ethenyl-4-methyl-      |              | 118 C9H10              | 000622-97-9 83 |
| 3       | Benzene, cyclopropyl-             |              | 118 C9H10              | 000873-49-4 68 |
| 4       | Deltacyclene                      |              | 118 C9H10              | 007785-10-6 68 |
| 5       | 7-Methylenecycloocta-1,3,5-triene |              | 118 C9H10              | 002570-13-0 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
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Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

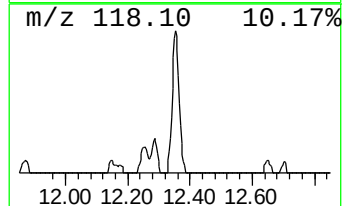
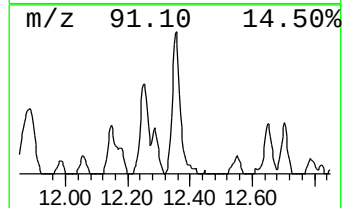
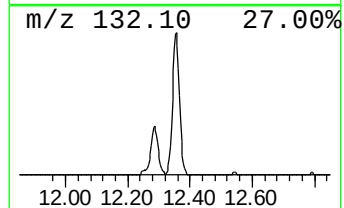
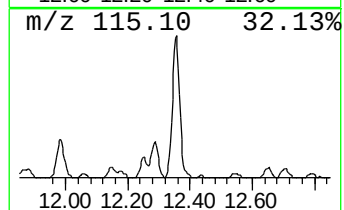
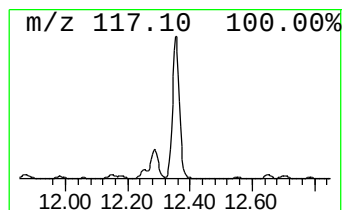
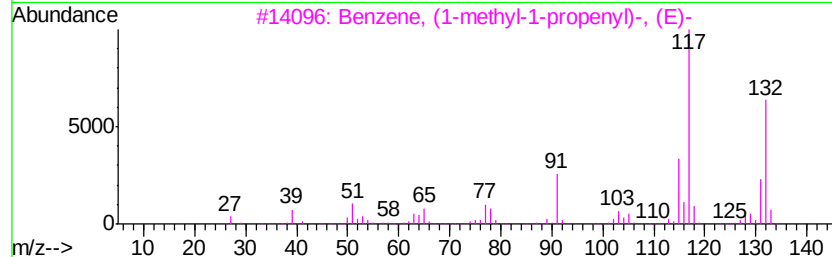
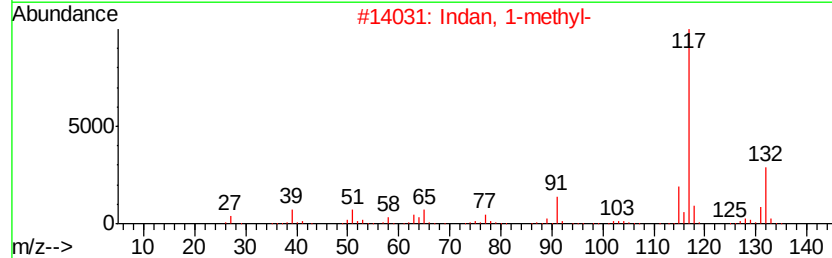
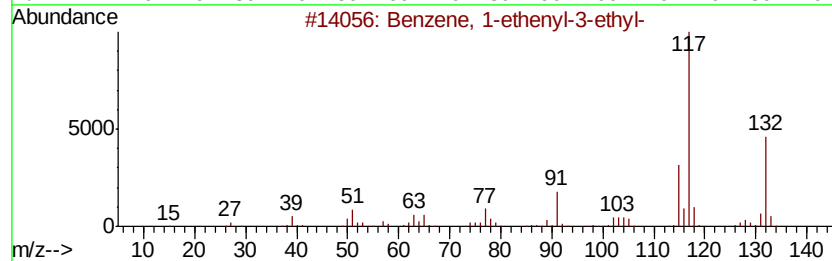
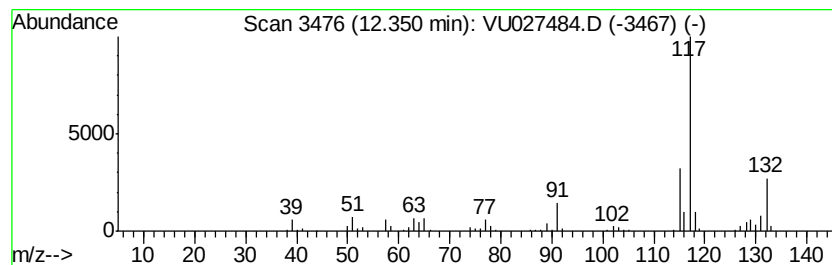
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

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

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Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.            |
|---------|-----------|-------------------------------------|------------------------|-----------------|
| 12.35   | 9.73 ug/l | 128232                              | 1,4-Dichlorobenzene-d4 | 11.48           |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |           | Benzene, 1-ethenyl-3-ethyl-         | 132 C10H12             | 007525-62-4 91  |
| 2       |           | Indan, 1-methyl-                    | 132 C10H12             | 000767-58-8 90  |
| 3       |           | Benzene, (1-methyl-1-propenyl)-,... | 132 C10H12             | 000768-00-3 83  |
| 4       |           | Benzene, (2-methylcyclopropyl)-     | 132 C10H12             | 1000327-39-0 83 |
| 5       |           | Benzene, 1-methyl-2-(2-propenyl)-   | 132 C10H12             | 001587-04-8 80  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260

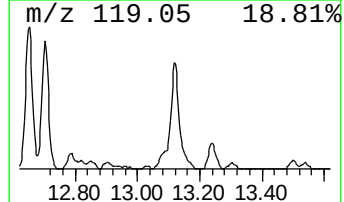
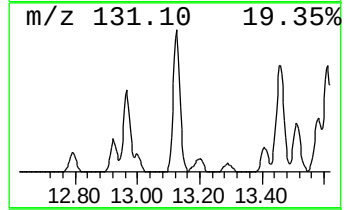
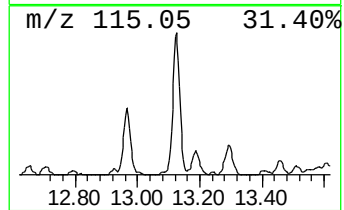
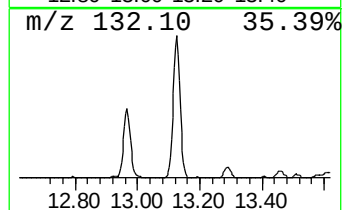
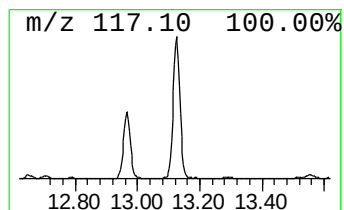
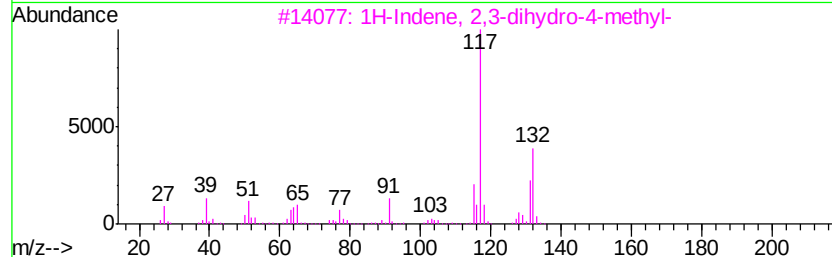
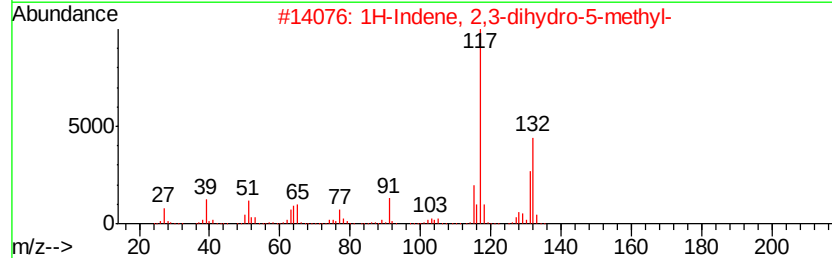
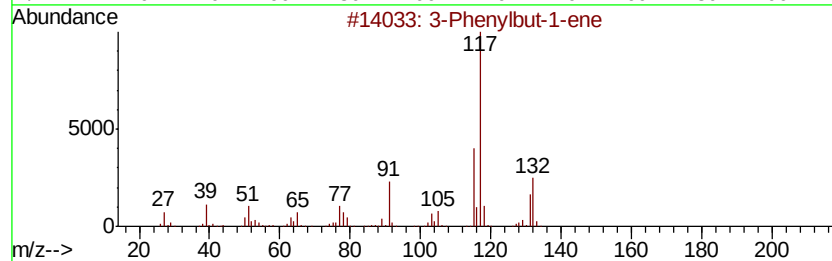
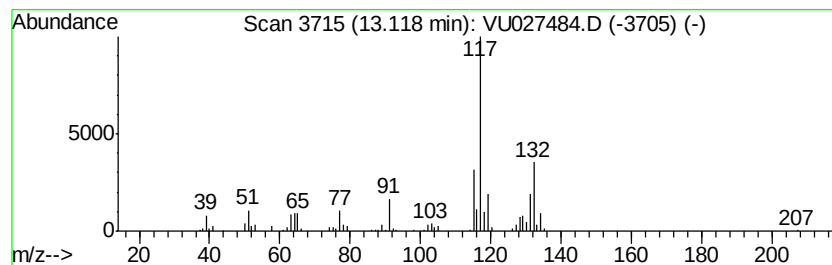
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 3-Phenylbut-1-ene Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.12 | 13.96 ug/l | 184056 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 90   |
| 2    |    | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 87   |
| 3    |    | 1H-Indene, 2,3-dihydro-4-methyl-    | 132 | C10H12  | 000824-22-6 | 87   |
| 4    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 86   |
| 5    |    | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 81   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU100618\  
Data File : VU027484.D  
Acq On : 06 Oct 2018 03:18  
Operator : MD/SY  
Sample : J5268-03DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-10DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.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 |
| Butane, 2-methyl-    | 1.76  | 40.0    | ug/l  | 383678   | 1                     | 4.99  | 479599 | 50.0 |
| Pentane              | 1.95  | 11.5    | ug/l  | 110244   | 1                     | 4.99  | 479599 | 50.0 |
| Pentane, 2-methyl-   | 2.75  | 16.1    | ug/l  | 154807   | 1                     | 4.99  | 479599 | 50.0 |
| 1-Pentene            | 2.79  | 9.6     | ug/l  | 92345    | 1                     | 4.99  | 479599 | 50.0 |
| Pentane, 3-methyl-   | 3.00  | 14.7    | ug/l  | 141331   | 1                     | 4.99  | 479599 | 50.0 |
| Cyclopentane, met... | 4.10  | 27.6    | ug/l  | 264884   | 1                     | 4.99  | 479599 | 50.0 |
| Benzene, 1-ethyl-... | 10.97 | 10.1    | ug/l  | 133159   | 4                     | 11.48 | 659018 | 50.0 |
| Indane               | 11.76 | 40.3    | ug/l  | 531189   | 4                     | 11.48 | 659018 | 50.0 |
| Benzene, 1-etheny... | 12.35 | 9.7     | ug/l  | 128232   | 4                     | 11.48 | 659018 | 50.0 |
| 3-Phenylbut-1-ene    | 13.12 | 14.0    | ug/l  | 184056   | 4                     | 11.48 | 659018 | 50.0 |