

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
 Data File : VX007200.D  
 Acq On : 24 Jan 2019 13:42  
 Operator : JC/SP  
 Sample : K1227-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW038-190122

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\_X\METHOD\82X010819W.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         | 1.623       | 67            | 77          | 81           | rBV3     | 33068          | 83348         | 1.26%           | 0.177%        |
| 2         | 1.788       | 99            | 104         | 116          | rVB      | 1337950        | 1871572       | 28.40%          | 3.968%        |
| 3         | 2.398       | 198           | 204         | 211          | rBV      | 52315          | 101917        | 1.55%           | 0.216%        |
| 4         | 2.843       | 268           | 277         | 294          | rBV      | 1594317        | 3577571       | 54.29%          | 7.585%        |
| 5         | 3.172       | 323           | 331         | 342          | rVB      | 200365         | 454802        | 6.90%           | 0.964%        |
| 6         | 4.306       | 503           | 517         | 530          | rBV      | 715877         | 2165509       | 32.86%          | 4.591%        |
| 7         | 4.556       | 543           | 558         | 560          | rBV5     | 56008          | 158825        | 2.41%           | 0.337%        |
| 8         | 5.507       | 700           | 714         | 723          | rBV2     | 305745         | 886953        | 13.46%          | 1.881%        |
| 9         | 5.665       | 730           | 740         | 743          | rBV      | 514721         | 1305929       | 19.82%          | 2.769%        |
| 10        | 5.726       | 743           | 750         | 768          | rVB      | 1221099        | 3828365       | 58.10%          | 8.117%        |
| 11        | 5.952       | 777           | 787         | 797          | rVB2     | 74281          | 228308        | 3.46%           | 0.484%        |
| 12        | 6.068       | 797           | 806         | 817          | rBV      | 314922         | 800340        | 12.15%          | 1.697%        |
| 13        | 6.257       | 827           | 837         | 841          | rBV      | 99712          | 267200        | 4.05%           | 0.567%        |
| 14        | 6.348       | 842           | 852         | 865          | rVV      | 2195150        | 6589665       | 100.00%         | 13.972%       |
| 15        | 6.452       | 865           | 869         | 878          | rVB4     | 34766          | 85465         | 1.30%           | 0.181%        |
| 16        | 6.860       | 927           | 936         | 952          | rBV      | 781926         | 1822131       | 27.65%          | 3.863%        |
| 17        | 7.214       | 985           | 994         | 999          | rBV2     | 46257          | 100337        | 1.52%           | 0.213%        |
| 18        | 7.452       | 1023          | 1033        | 1044         | rVB3     | 110613         | 291265        | 4.42%           | 0.618%        |
| 19        | 7.573       | 1044          | 1053        | 1058         | rBV      | 231340         | 465565        | 7.07%           | 0.987%        |
| 20        | 7.634       | 1058          | 1063        | 1067         | rVV      | 168738         | 373372        | 5.67%           | 0.792%        |
| 21        | 7.677       | 1067          | 1070        | 1079         | rVB      | 190876         | 369566        | 5.61%           | 0.784%        |
| 22        | 7.848       | 1089          | 1098        | 1106         | rVB2     | 61212          | 125493        | 1.90%           | 0.266%        |
| 23        | 8.055       | 1120          | 1132        | 1143         | rBV      | 1610348        | 3146021       | 47.74%          | 6.670%        |
| 24        | 8.177       | 1143          | 1152        | 1160         | rBV      | 2213623        | 4282592       | 64.99%          | 9.080%        |
| 25        | 8.256       | 1160          | 1165        | 1170         | rBV      | 132990         | 215950        | 3.28%           | 0.458%        |
| 26        | 8.451       | 1192          | 1197        | 1202         | rVV2     | 47816          | 88768         | 1.35%           | 0.188%        |
| 27        | 8.677       | 1225          | 1234        | 1236         | rBV      | 341242         | 563643        | 8.55%           | 1.195%        |
| 28        | 8.713       | 1236          | 1240        | 1255         | rVB      | 1624685        | 2584451       | 39.22%          | 5.480%        |
| 29        | 8.842       | 1255          | 1261        | 1265         | rBV      | 56263          | 95079         | 1.44%           | 0.202%        |
| 30        | 9.037       | 1288          | 1293        | 1301         | rVB      | 80459          | 130605        | 1.98%           | 0.277%        |
| 31        | 9.165       | 1306          | 1314        | 1319         | rVB2     | 44627          | 89818         | 1.36%           | 0.190%        |
| 32        | 10.116      | 1464          | 1470        | 1479         | rBV2     | 1546497        | 2784239       | 42.25%          | 5.903%        |
| 33        | 10.658      | 1545          | 1559        | 1565         | rBV7     | 27208          | 88079         | 1.34%           | 0.187%        |
| 34        | 11.067      | 1621          | 1626        | 1632         | rVB      | 57219          | 93182         | 1.41%           | 0.198%        |

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Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

## 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\_X\METHOD\82X010819W.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.140 | 1632 | 1638 | 1642 | rBV  | 1335458 | 1759312 | 26.70% | 3.730% |
| 36 | 11.670 | 1716 | 1725 | 1732 | rBV4 | 40746   | 71631   | 1.09%  | 0.152% |
| 37 | 11.768 | 1734 | 1741 | 1745 | rBV  | 75658   | 97472   | 1.48%  | 0.207% |
| 38 | 11.920 | 1758 | 1766 | 1768 | rBV  | 104190  | 148397  | 2.25%  | 0.315% |
| 39 | 11.945 | 1768 | 1770 | 1775 | rVB  | 111089  | 122650  | 1.86%  | 0.260% |
| 40 | 12.079 | 1787 | 1792 | 1804 | rVB  | 1794630 | 2245015 | 34.07% | 4.760% |
| 41 | 12.231 | 1812 | 1817 | 1822 | rBV  | 224529  | 277240  | 4.21%  | 0.588% |
| 42 | 12.298 | 1822 | 1828 | 1834 | rVB  | 184624  | 245659  | 3.73%  | 0.521% |
| 43 | 12.365 | 1834 | 1839 | 1848 | rVB3 | 54585   | 103805  | 1.58%  | 0.220% |
| 44 | 12.463 | 1849 | 1855 | 1860 | rBV  | 49569   | 67609   | 1.03%  | 0.143% |
| 45 | 12.670 | 1877 | 1889 | 1891 | rBV  | 253866  | 321012  | 4.87%  | 0.681% |
| 46 | 12.701 | 1891 | 1894 | 1899 | rVV  | 185455  | 248646  | 3.77%  | 0.527% |
| 47 | 12.755 | 1899 | 1903 | 1910 | rVV2 | 470421  | 701814  | 10.65% | 1.488% |
| 48 | 12.896 | 1918 | 1926 | 1932 | rBV  | 165083  | 219276  | 3.33%  | 0.465% |
| 49 | 12.975 | 1937 | 1939 | 1945 | rVB  | 69733   | 88633   | 1.35%  | 0.188% |
| 50 | 13.091 | 1952 | 1958 | 1964 | rVB3 | 45283   | 70302   | 1.07%  | 0.149% |
| 51 | 13.347 | 1995 | 2000 | 2005 | rVB2 | 135748  | 188085  | 2.85%  | 0.399% |
| 52 | 13.700 | 2052 | 2058 | 2060 | rVV2 | 40618   | 71024   | 1.08%  | 0.151% |

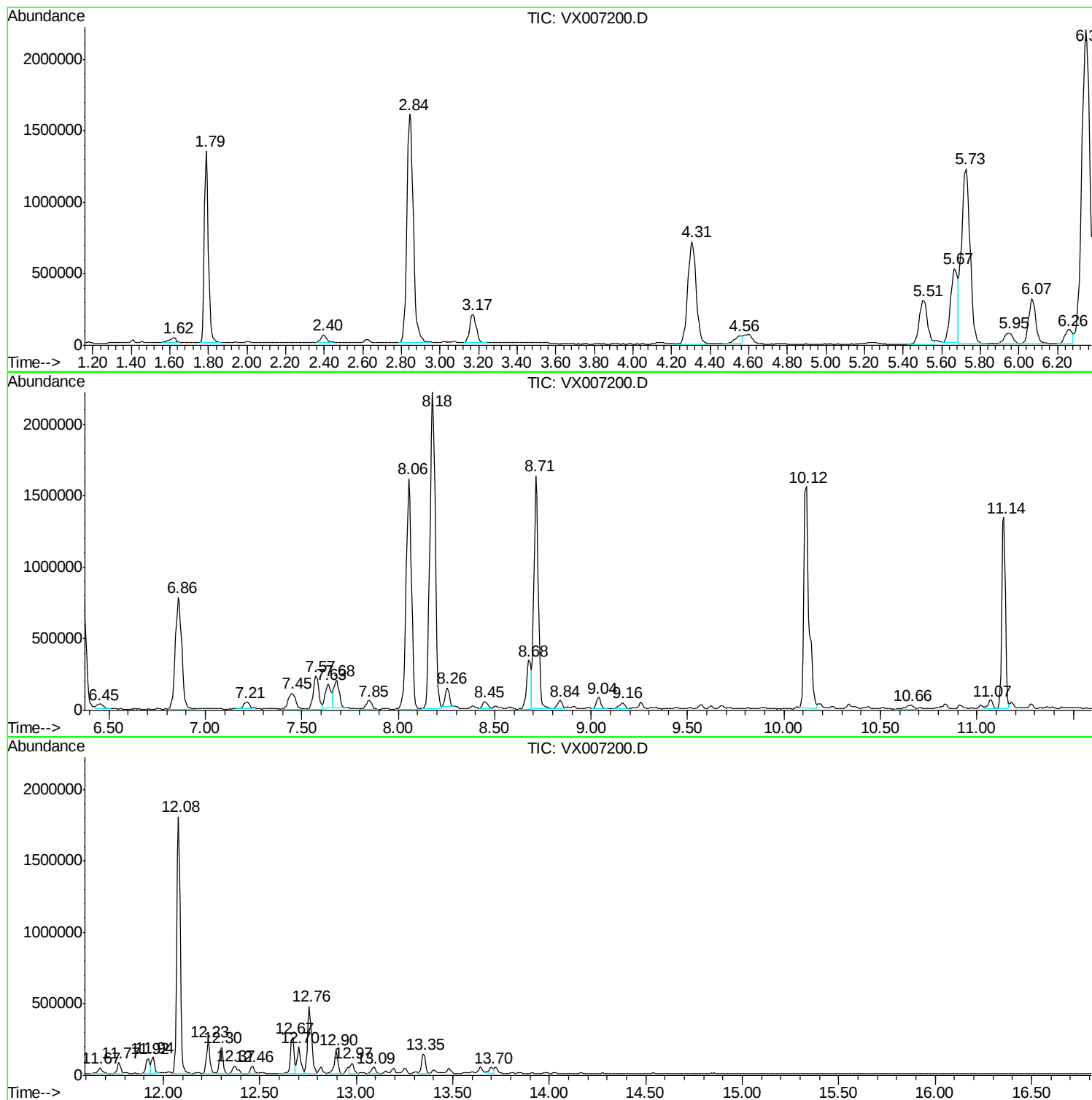
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

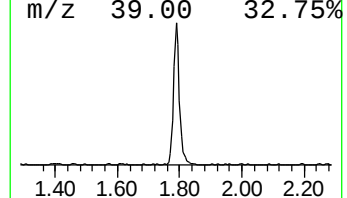
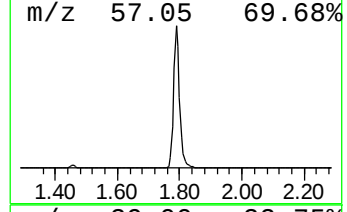
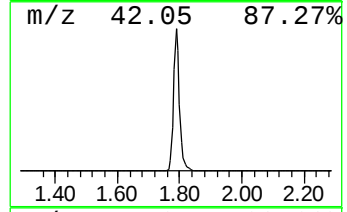
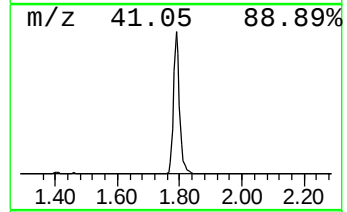
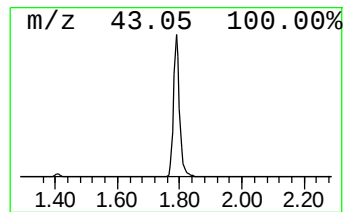
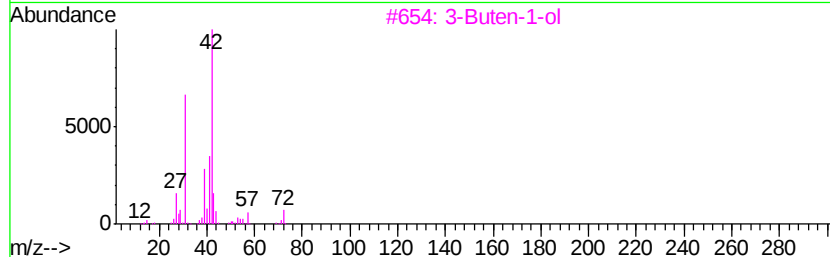
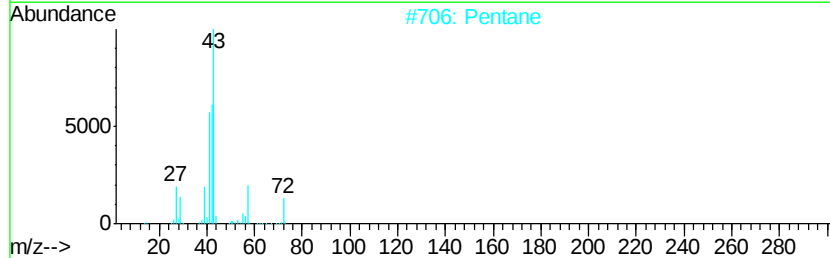
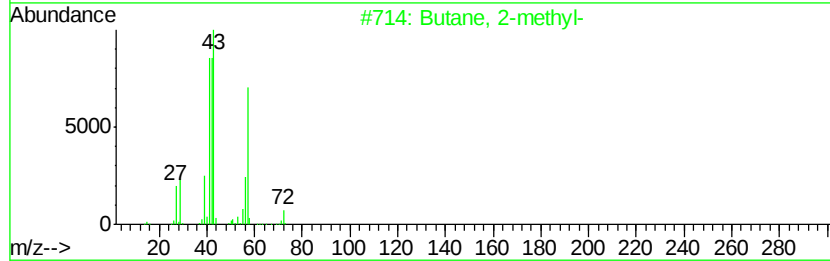
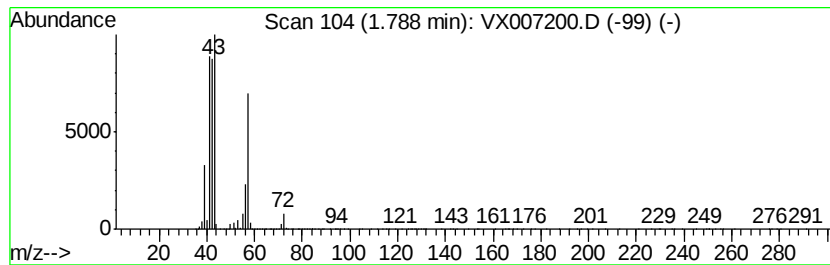
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methyl- Concentration Rank 7

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 1.79 | 71.66 ug/l | 1871570 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 91   |
| 2    |    | Pentane           | 72 | C5H12   | 000109-66-0 | 36   |
| 3    |    | 3-Buten-1-ol      | 72 | C4H8O   | 000627-27-0 | 28   |
| 4    |    | 1-Butene          | 56 | C4H8    | 000106-98-9 | 9    |
| 5    |    | Azetidine         | 57 | C3H7N   | 000503-29-7 | 9    |



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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

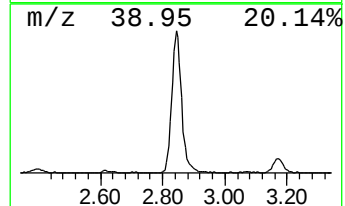
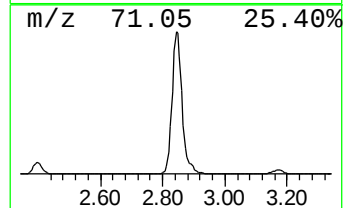
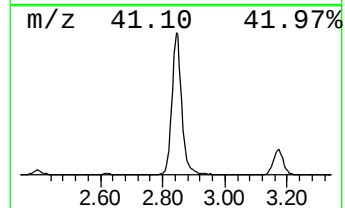
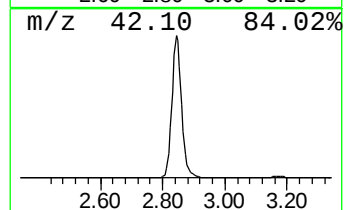
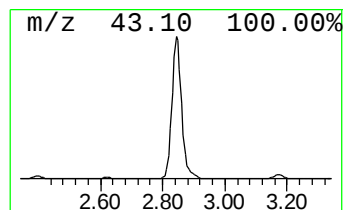
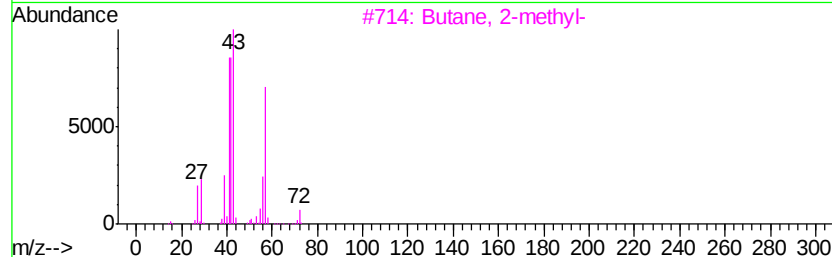
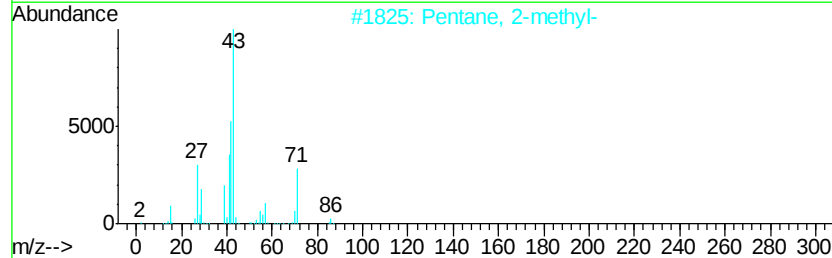
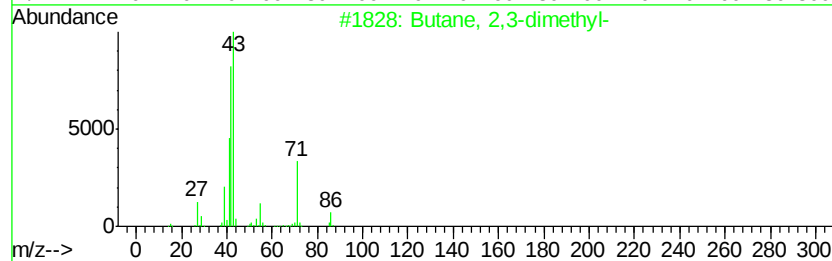
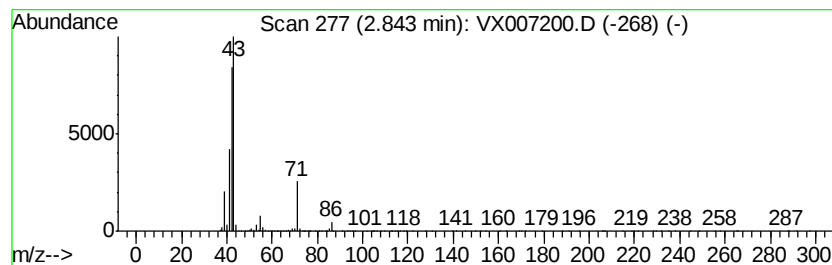
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 3

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.84 | 136.97 ug/l | 3577570 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2,3-dimethyl-         | 86  | C6H14   | 000079-29-8 | 91   |
| 2    |    | Pentane, 2-methyl-            | 86  | C6H14   | 000107-83-5 | 50   |
| 3    |    | Butane, 2-methyl-             | 72  | C5H12   | 000078-78-4 | 36   |
| 4    |    | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 10   |
| 5    |    | Furan, tetrahydro-2-methyl-   | 86  | C5H10O  | 000096-47-9 | 9    |



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Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

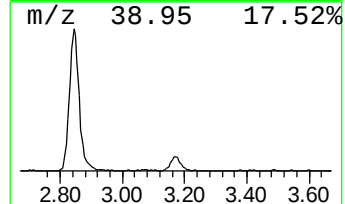
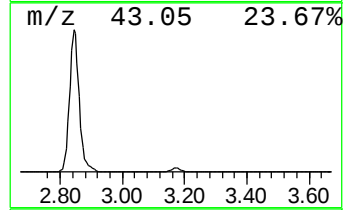
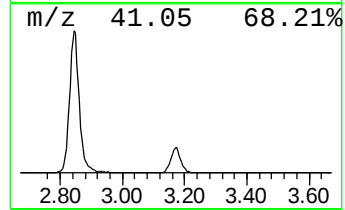
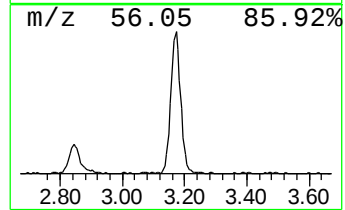
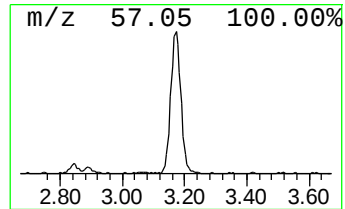
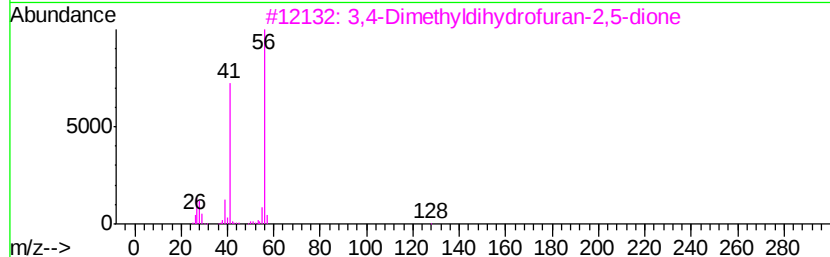
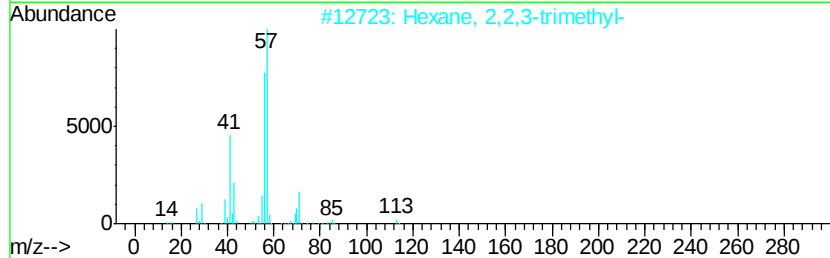
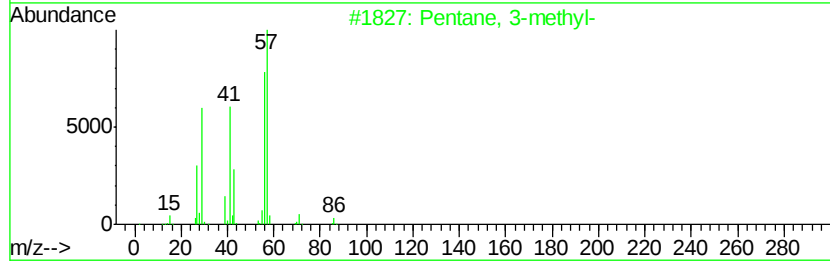
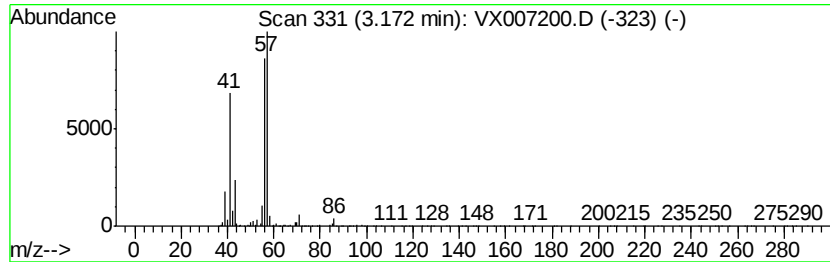
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Pentane, 3-methyl- Concentration Rank 8

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 3.17 | 17.41 ug/l | 454802 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-                 | 86  | C6H14   | 000096-14-0 | 91   |
| 2    |    | Hexane, 2,2,3-trimethyl-           | 128 | C9H20   | 016747-25-4 | 78   |
| 3    |    | 3,4-Dimethyldihydrofuran-2,5-dione | 128 | C6H8O3  | 007475-92-5 | 50   |
| 4    |    | Pentane, 2,2,4,4-tetramethyl-      | 128 | C9H20   | 001070-87-7 | 42   |
| 5    |    | Pentane, 3-ethyl-2,2-dimethyl-     | 128 | C9H20   | 016747-32-3 | 40   |



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ALS Vial : 7 Sample Multiplier: 1

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MSVOA\_X  
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ST008MW038-190122

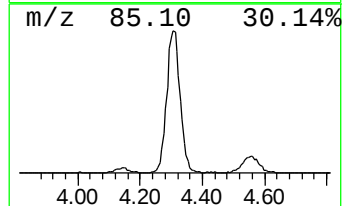
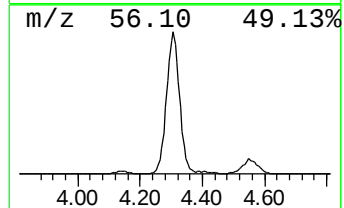
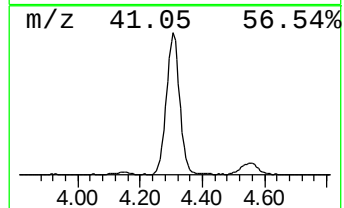
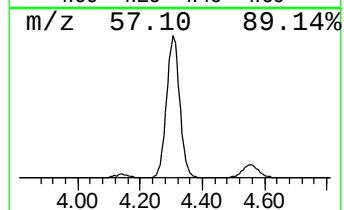
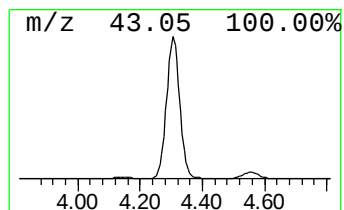
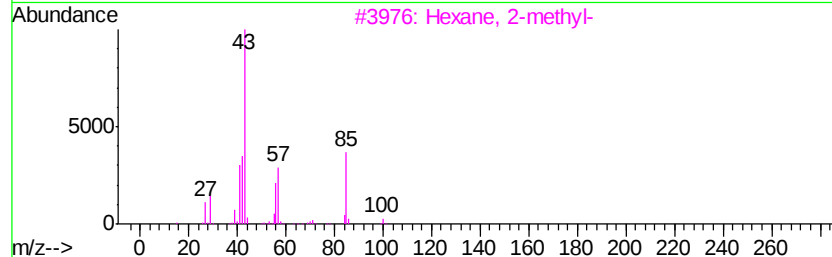
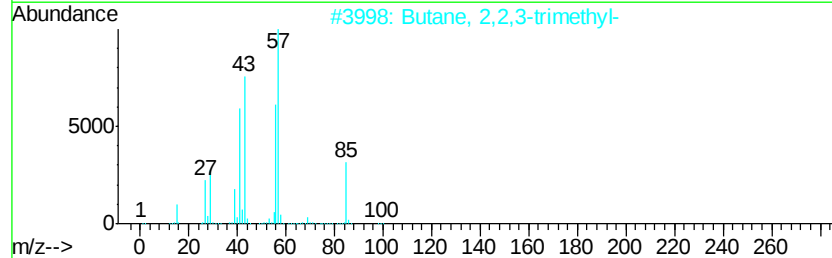
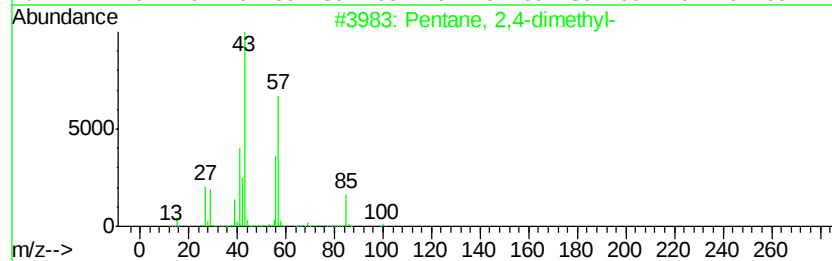
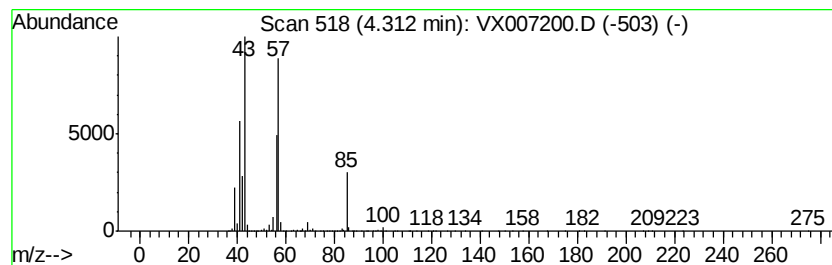
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 6

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 4.31 | 82.91 ug/l | 2165510 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,4-dimethyl-   | 100 | C7H16   | 000108-08-7 | 90   |
| 2    |    | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 64   |
| 3    |    | Hexane, 2-methyl-        | 100 | C7H16   | 000591-76-4 | 64   |
| 4    |    | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2 | 59   |
| 5    |    | n-Hexane                 | 86  | C6H14   | 000110-54-3 | 53   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

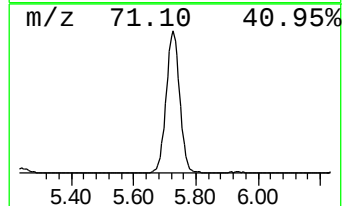
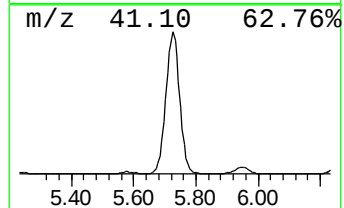
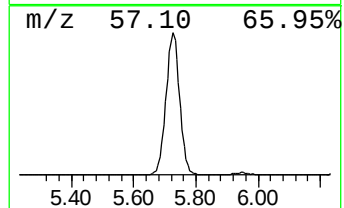
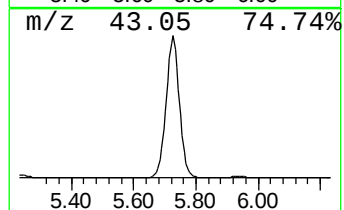
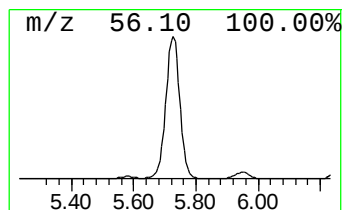
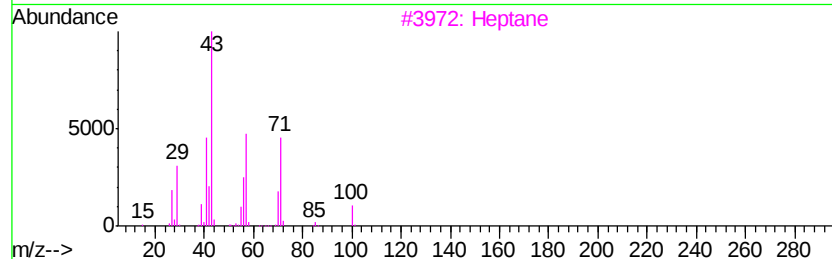
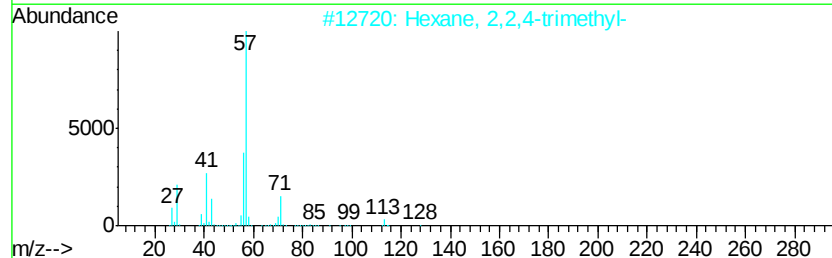
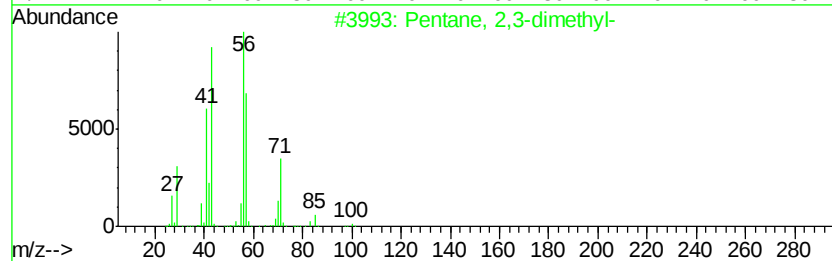
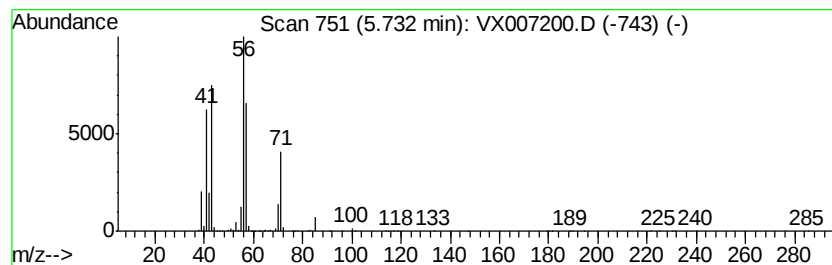
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Quant Title : SW846 8260

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

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Peak Number 5 Pentane, 2,3-dimethyl- Concentration Rank 2

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 5.73 | 146.58 ug/l | 3828370 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl-   | 100 | C7H16   | 000565-59-3 | 91   |
| 2    |    | Hexane, 2,2,4-trimethyl- | 128 | C9H20   | 016747-26-5 | 38   |
| 3    |    | Heptane                  | 100 | C7H16   | 000142-82-5 | 38   |
| 4    |    | Propane, 1-isocyanato-   | 85  | C4H7NO  | 000110-78-1 | 38   |
| 5    |    | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 37   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

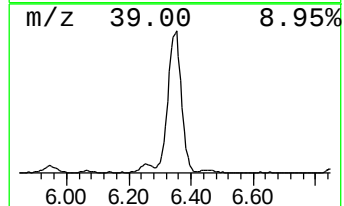
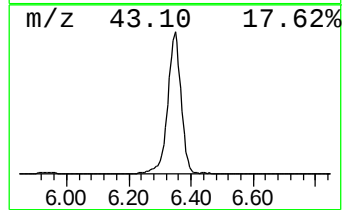
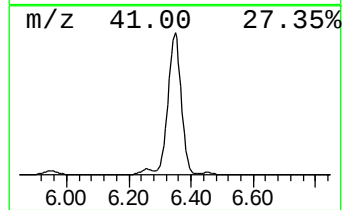
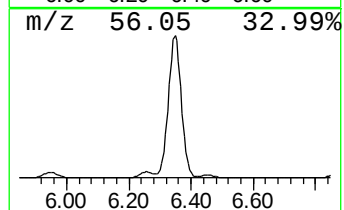
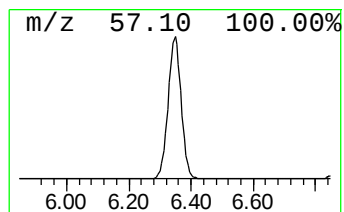
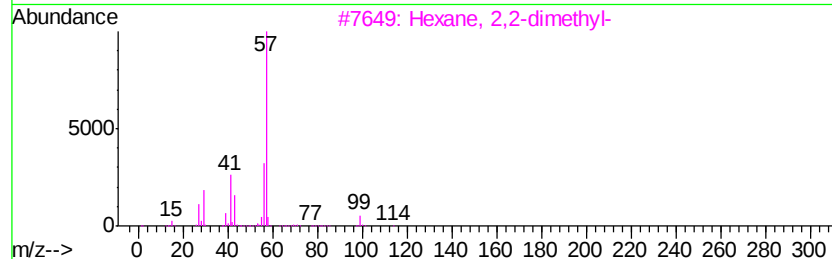
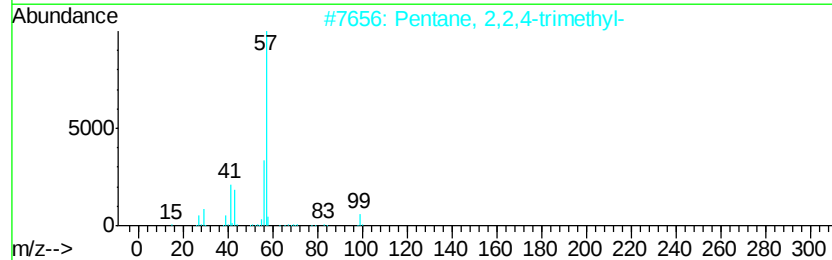
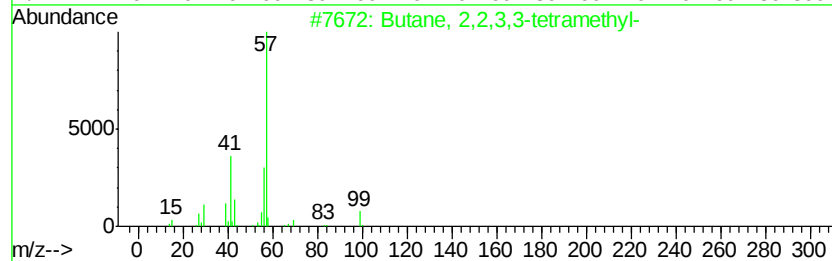
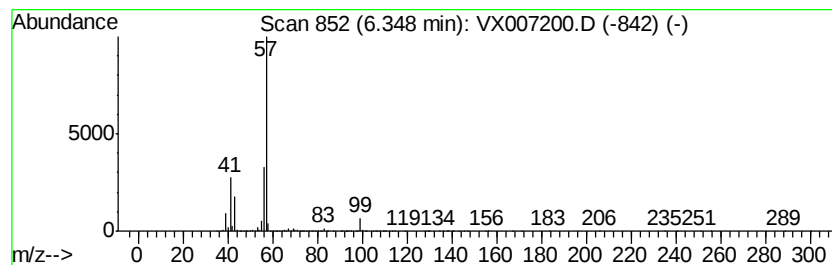
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 6.35 | 180.82 ug/l | 6589670 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2,2,3,3-tetramethyl-  | 114 | C8H18   | 000594-82-1 | 78   |
| 2    |    | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 72   |
| 3    |    | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 72   |
| 4    |    | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 64   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

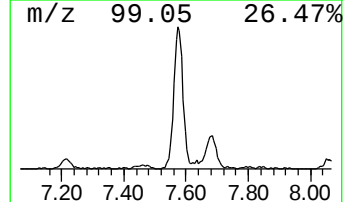
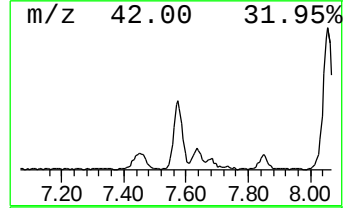
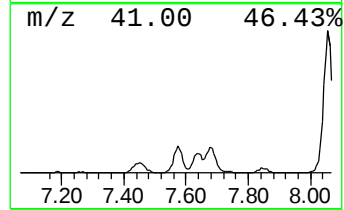
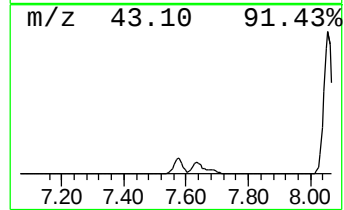
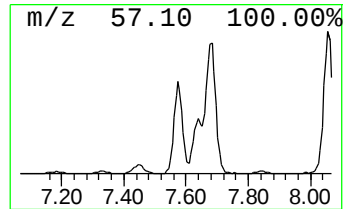
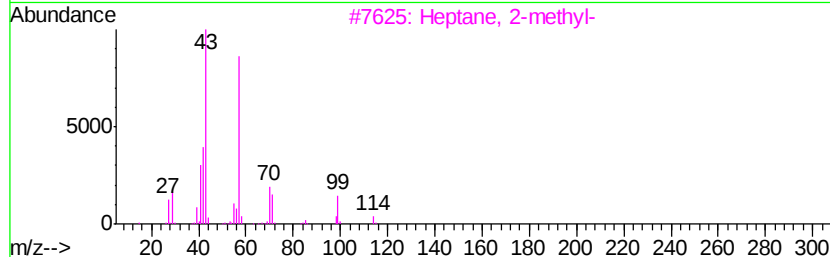
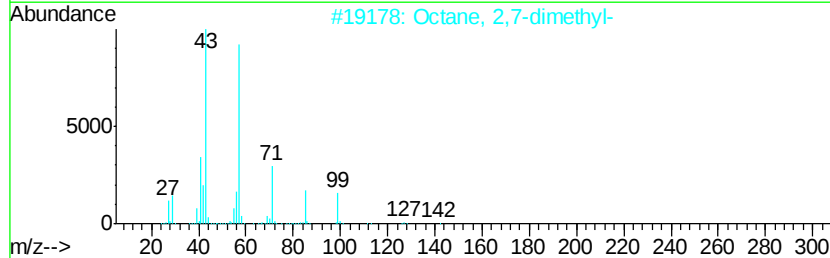
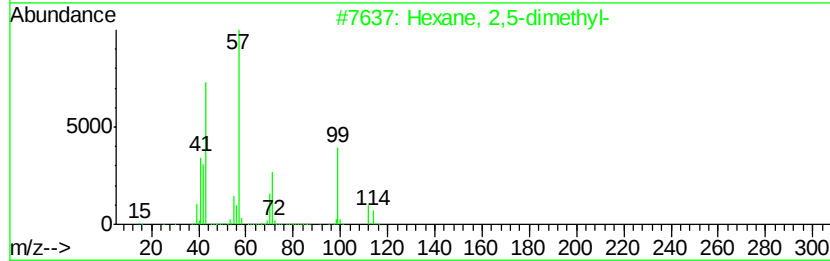
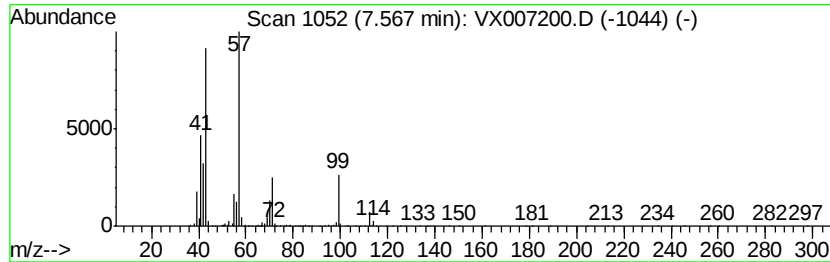
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexane, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.57 | 12.78 ug/l | 465565 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Hexane, 2,5-dimethyl-               | 114 | C8H18    | 000592-13-2  | 94   |
| 2    |    | Octane, 2,7-dimethyl-               | 142 | C10H22   | 001072-16-8  | 53   |
| 3    |    | Heptane, 2-methyl-                  | 114 | C8H18    | 000592-27-8  | 50   |
| 4    |    | Hexanoyl chloride                   | 134 | C6H11ClO | 000142-61-0  | 47   |
| 5    |    | Sulfurous acid, isobutyl pentyl ... | 208 | C9H20O3S | 1000309-13-8 | 47   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

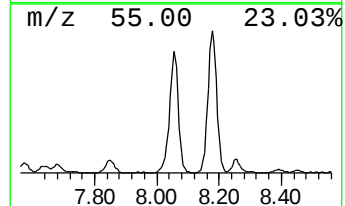
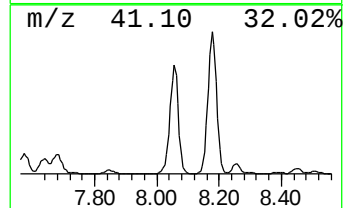
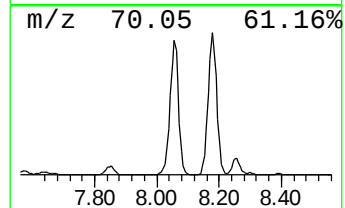
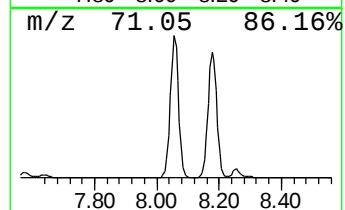
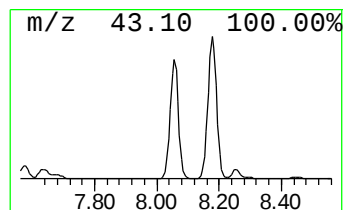
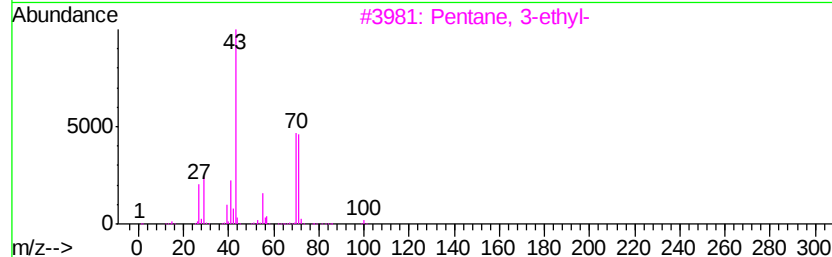
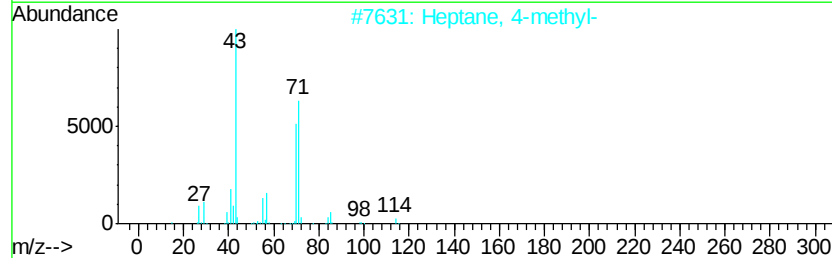
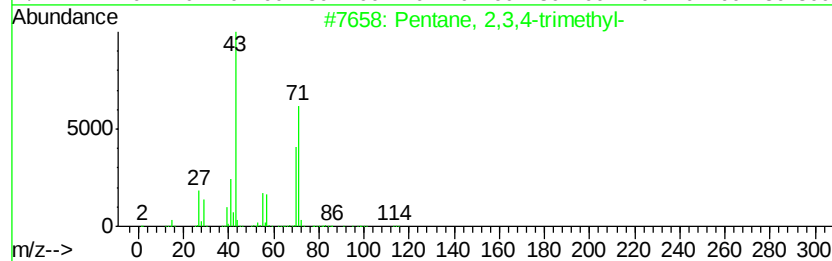
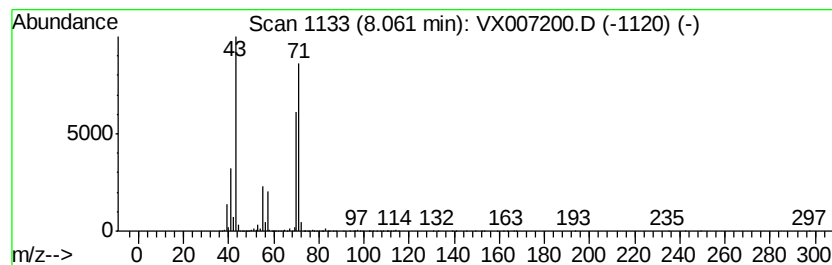
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 5

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.06 | 86.33 ug/l | 3146020 | 1,4-Difluorobenzene | 6.86 |

| Hit# of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---------------------------|-----|---------|-------------|------|
| 1       | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 91   |
| 2       | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 83   |
| 3       | Pentane, 3-ethyl-         | 100 | C7H16   | 000617-78-7 | 83   |
| 4       | 2,4,4-Trimethyl-1-hexene  | 126 | C9H18   | 051174-12-0 | 78   |
| 5       | Hexane, 3,3,4-trimethyl-  | 128 | C9H20   | 016747-31-2 | 74   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

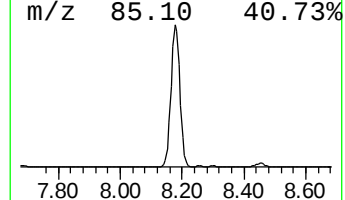
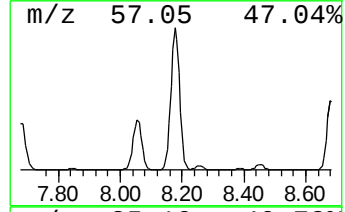
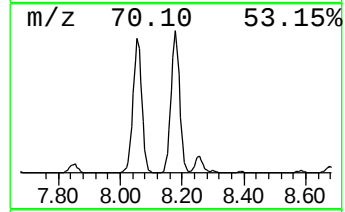
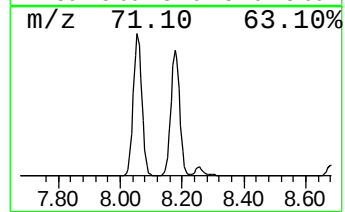
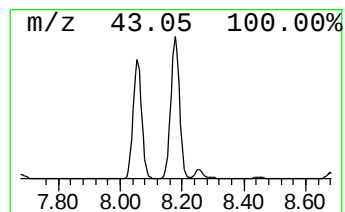
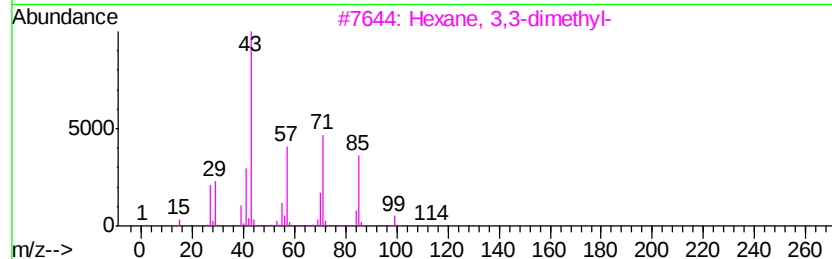
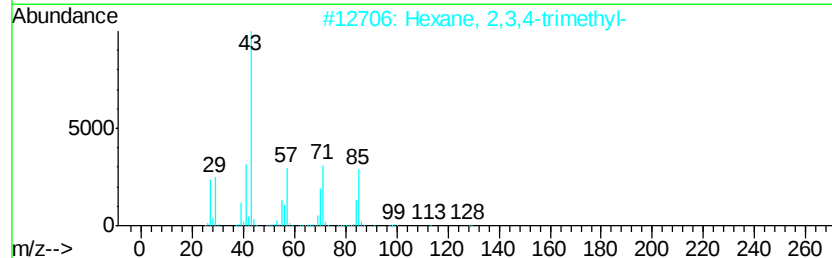
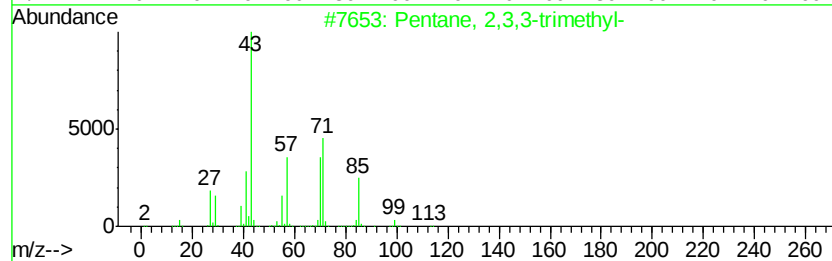
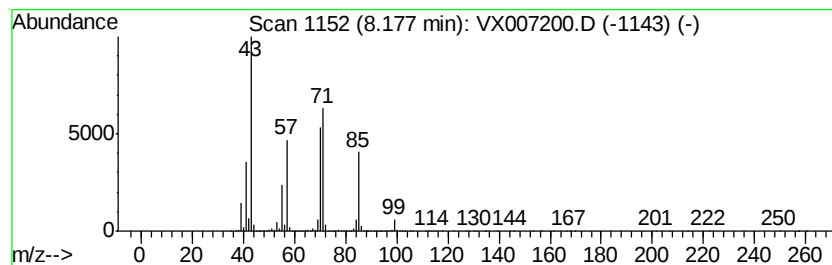
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Pentane, 2,3,3-trimethyl- Concentration Rank 4

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 8.18 | 117.52 ug/l | 4282590 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 90   |
| 2    |    | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 74   |
| 3    |    | Hexane, 3,3-dimethyl-     | 114 | C8H18   | 000563-16-6 | 64   |
| 4    |    | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 53   |
| 5    |    | Heptane, 2,4-dimethyl-    | 128 | C9H20   | 002213-23-2 | 52   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

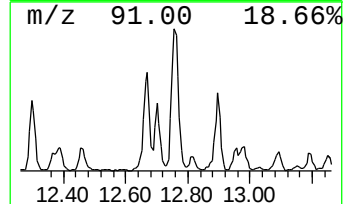
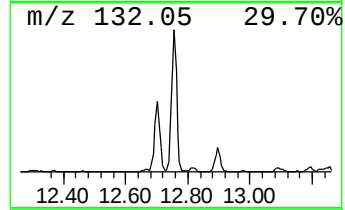
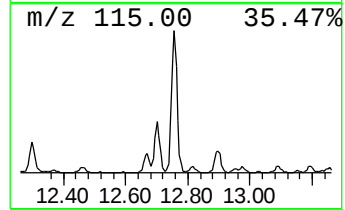
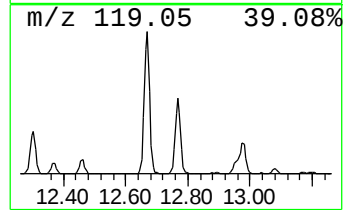
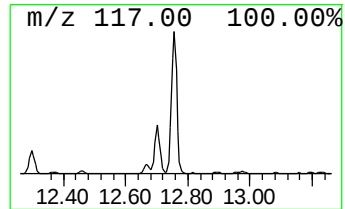
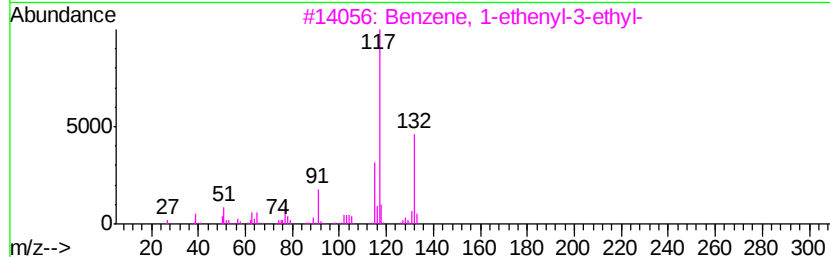
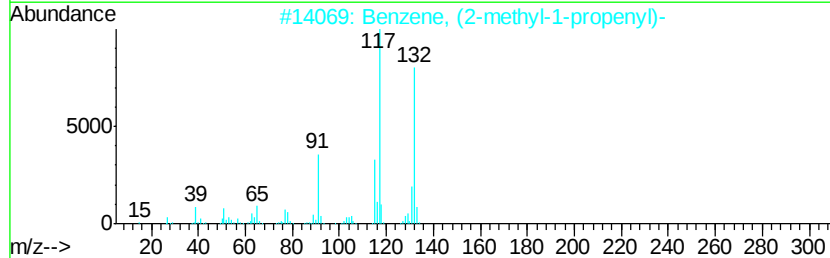
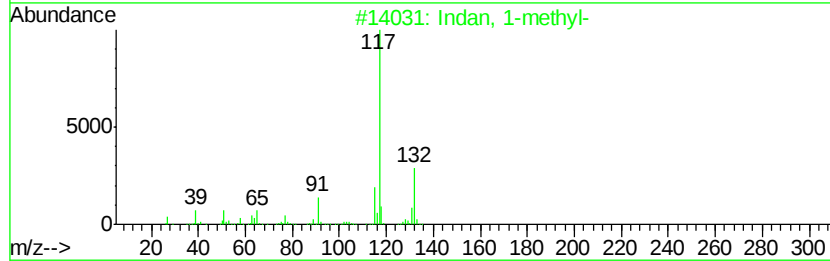
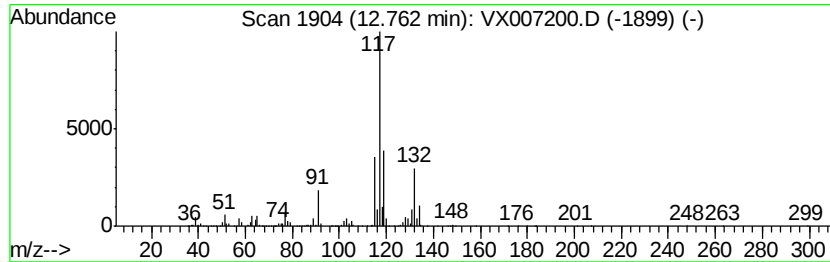
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Indan, 1-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.76 | 15.63 ug/l | 701814 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 93   |
| 2    |    | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 87   |
| 3    |    | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 87   |
| 4    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 86   |
| 5    |    | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 86   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX012419\  
Data File : VX007200.D  
Acq On : 24 Jan 2019 13:42  
Operator : JC/SP  
Sample : K1227-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW038-190122

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.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-    | 1.79  | 71.7    | ug/l  | 1871570  | 1                     | 5.67  | 1305930 | 50.0 |
| Butane, 2,3-dimet... | 2.84  | 137.0   | ug/l  | 3577570  | 1                     | 5.67  | 1305930 | 50.0 |
| Pentane, 3-methyl-   | 3.17  | 17.4    | ug/l  | 454802   | 1                     | 5.67  | 1305930 | 50.0 |
| Pentane, 2,4-dime... | 4.31  | 82.9    | ug/l  | 2165510  | 1                     | 5.67  | 1305930 | 50.0 |
| Pentane, 2,3-dime... | 5.73  | 146.6   | ug/l  | 3828370  | 1                     | 5.67  | 1305930 | 50.0 |
| Butane, 2,2,3,3-t... | 6.35  | 180.8   | ug/l  | 6589670  | 2                     | 6.86  | 1822130 | 50.0 |
| Hexane, 2,5-dimet... | 7.57  | 12.8    | ug/l  | 465565   | 2                     | 6.86  | 1822130 | 50.0 |
| Pentane, 2,3,4-tr... | 8.06  | 86.3    | ug/l  | 3146020  | 2                     | 6.86  | 1822130 | 50.0 |
| Pentane, 2,3,3-tr... | 8.18  | 117.5   | ug/l  | 4282590  | 2                     | 6.86  | 1822130 | 50.0 |
| Indan, 1-methyl-     | 12.76 | 15.6    | ug/l  | 701814   | 4                     | 12.08 | 2245020 | 50.0 |