

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
 Data File : VX004830.D  
 Acq On : 28 Sep 2018 19:12  
 Operator : JC/MD  
 Sample : J5130-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA18-JBW-7333

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\82X092618W.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         | 1.404       | 37            | 41          | 46           | rBV      | 850558         | 840485        | 3.05%           | 0.913%        |
| 2         | 1.788       | 98            | 104         | 126          | rVB      | 18867191       | 27591830      | 100.00%         | 29.967%       |
| 3         | 2.001       | 134           | 139         | 152          | rVB2     | 1555132        | 2523825       | 9.15%           | 2.741%        |
| 4         | 2.843       | 267           | 277         | 282          | rBV      | 3102350        | 7110162       | 25.77%          | 7.722%        |
| 5         | 2.885       | 282           | 284         | 302          | rVB      | 1346455        | 2575574       | 9.33%           | 2.797%        |
| 6         | 3.166       | 321           | 330         | 344          | rBV      | 891455         | 2025399       | 7.34%           | 2.200%        |
| 7         | 3.519       | 378           | 388         | 399          | rBV      | 355738         | 832473        | 3.02%           | 0.904%        |
| 8         | 4.300       | 503           | 516         | 524          | rBV      | 615890         | 1875724       | 6.80%           | 2.037%        |
| 9         | 4.397       | 524           | 532         | 546          | rVB      | 655158         | 1907077       | 6.91%           | 2.071%        |
| 10        | 5.507       | 700           | 714         | 718          | rBV      | 177710         | 514811        | 1.87%           | 0.559%        |
| 11        | 5.580       | 718           | 726         | 735          | rVV2     | 613332         | 2151266       | 7.80%           | 2.336%        |
| 12        | 5.665       | 735           | 740         | 743          | rVV      | 247905         | 634489        | 2.30%           | 0.689%        |
| 13        | 5.726       | 743           | 750         | 771          | rVV      | 654514         | 2140187       | 7.76%           | 2.324%        |
| 14        | 5.933       | 773           | 784         | 797          | rVV5     | 259723         | 919699        | 3.33%           | 0.999%        |
| 15        | 6.068       | 798           | 806         | 812          | rVV      | 192363         | 507140        | 1.84%           | 0.551%        |
| 16        | 6.141       | 812           | 818         | 828          | rVV      | 236339         | 632254        | 2.29%           | 0.687%        |
| 17        | 6.257       | 828           | 837         | 842          | rVV2     | 184008         | 538271        | 1.95%           | 0.585%        |
| 18        | 6.348       | 842           | 852         | 863          | rVV      | 2556399        | 7894739       | 28.61%          | 8.574%        |
| 19        | 6.452       | 863           | 869         | 902          | rVB2     | 267754         | 837787        | 3.04%           | 0.910%        |
| 20        | 6.860       | 926           | 936         | 957          | rBV      | 373109         | 931743        | 3.38%           | 1.012%        |
| 21        | 7.464       | 1022          | 1035        | 1046         | rBV      | 912190         | 2160837       | 7.83%           | 2.347%        |
| 22        | 7.573       | 1046          | 1053        | 1058         | rVV      | 248417         | 533186        | 1.93%           | 0.579%        |
| 23        | 7.634       | 1058          | 1063        | 1068         | rVV      | 322382         | 750256        | 2.72%           | 0.815%        |
| 24        | 7.677       | 1068          | 1070        | 1075         | rVV      | 178340         | 323792        | 1.17%           | 0.352%        |
| 25        | 7.732       | 1075          | 1079        | 1091         | rVB      | 147742         | 302364        | 1.10%           | 0.328%        |
| 26        | 8.055       | 1121          | 1132        | 1144         | rBV      | 1419559        | 2987593       | 10.83%          | 3.245%        |
| 27        | 8.177       | 1144          | 1152        | 1160         | rVV      | 1944013        | 3912271       | 14.18%          | 4.249%        |
| 28        | 8.256       | 1160          | 1165        | 1175         | rVB      | 297174         | 575828        | 2.09%           | 0.625%        |
| 29        | 8.677       | 1226          | 1234        | 1236         | rBV2     | 406765         | 798098        | 2.89%           | 0.867%        |
| 30        | 8.713       | 1236          | 1240        | 1248         | rVB      | 876875         | 1547519       | 5.61%           | 1.681%        |
| 31        | 9.043       | 1288          | 1294        | 1301         | rBV      | 207455         | 343186        | 1.24%           | 0.373%        |
| 32        | 9.622       | 1385          | 1389        | 1394         | rBV      | 210916         | 297776        | 1.08%           | 0.323%        |
| 33        | 10.116      | 1464          | 1470        | 1477         | rBV      | 774153         | 1118482       | 4.05%           | 1.215%        |
| 34        | 10.250      | 1487          | 1492        | 1501         | rBV      | 615463         | 876085        | 3.18%           | 0.951%        |

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Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

## 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\_X\METHOD\82X092618W.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |       |        |
|----|--------|------|------|------|------|---------|---------|-------|--------|
| 35 | 10.359 | 1501 | 1510 | 1517 | rBV  | 1366328 | 1946668 | 7.06% | 2.114% |
| 36 | 11.018 | 1613 | 1618 | 1632 | rBV  | 290027  | 385298  | 1.40% | 0.418% |
| 37 | 11.140 | 1632 | 1638 | 1643 | rBV  | 834669  | 1086742 | 3.94% | 1.180% |
| 38 | 11.359 | 1669 | 1674 | 1681 | rBV  | 333833  | 416134  | 1.51% | 0.452% |
| 39 | 11.432 | 1681 | 1686 | 1688 | rVV  | 387693  | 533258  | 1.93% | 0.579% |
| 40 | 11.457 | 1688 | 1690 | 1694 | rVV  | 398051  | 425279  | 1.54% | 0.462% |
| 41 | 11.506 | 1694 | 1698 | 1707 | rVB  | 490049  | 593230  | 2.15% | 0.644% |
| 42 | 11.670 | 1719 | 1725 | 1734 | rBV  | 439320  | 558038  | 2.02% | 0.606% |
| 43 | 11.810 | 1743 | 1748 | 1758 | rVB  | 1130780 | 1419508 | 5.14% | 1.542% |
| 44 | 12.079 | 1787 | 1792 | 1798 | rVV  | 1108113 | 1469057 | 5.32% | 1.595% |
| 45 | 12.146 | 1798 | 1803 | 1812 | rVB  | 316896  | 399184  | 1.45% | 0.434% |
| 46 | 12.323 | 1830 | 1832 | 1836 | rVV  | 247207  | 276434  | 1.00% | 0.300% |
| 47 | 12.371 | 1836 | 1840 | 1850 | rVB3 | 285546  | 447800  | 1.62% | 0.486% |
| 48 | 12.761 | 1899 | 1904 | 1911 | rBV4 | 158434  | 327066  | 1.19% | 0.355% |
| 49 | 14.840 | 2240 | 2245 | 2254 | rBV  | 203131  | 279177  | 1.01% | 0.303% |

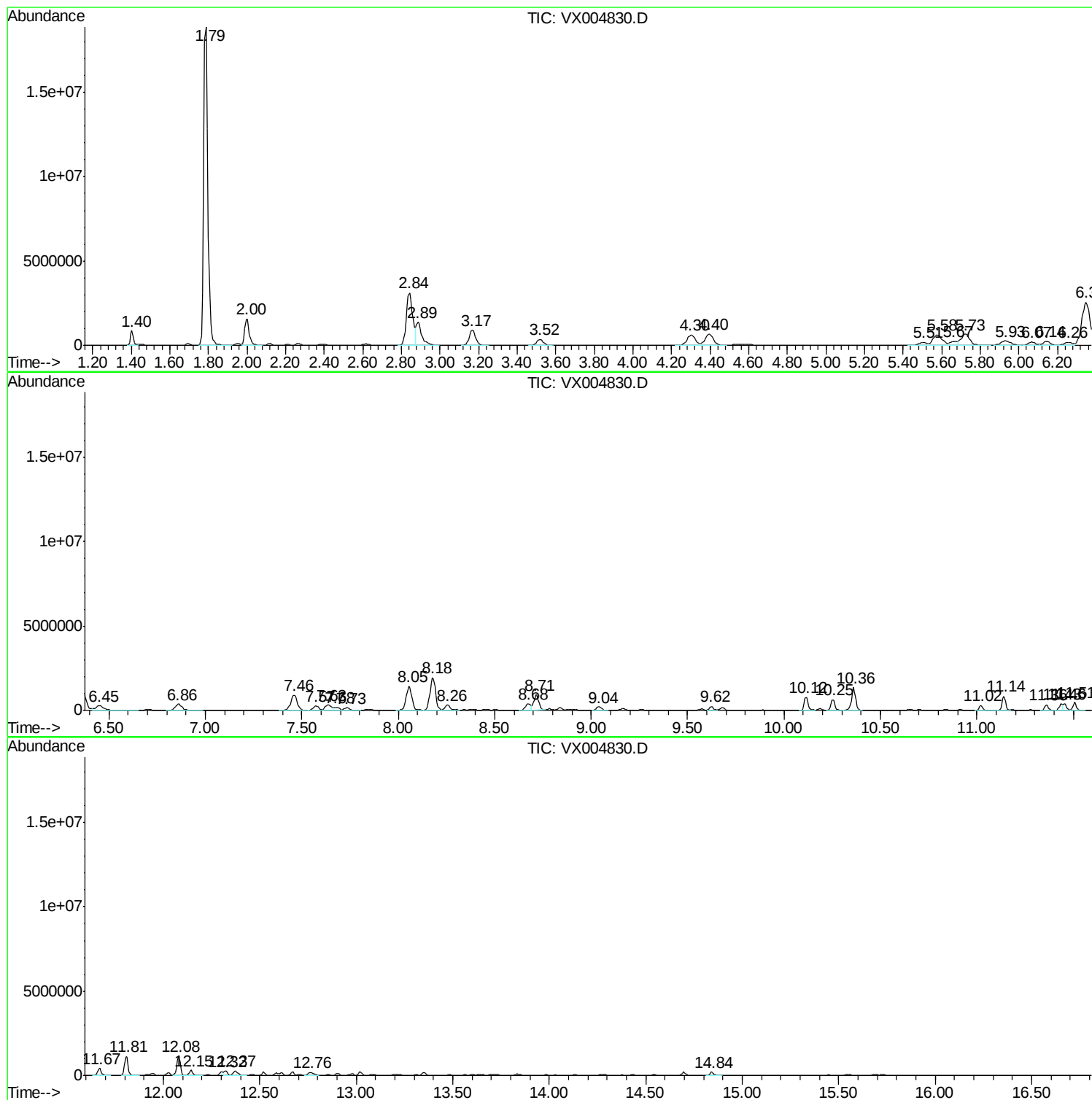
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

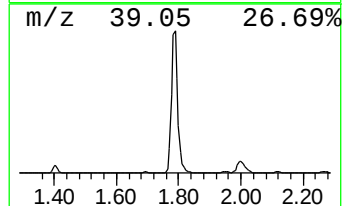
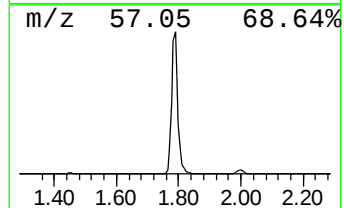
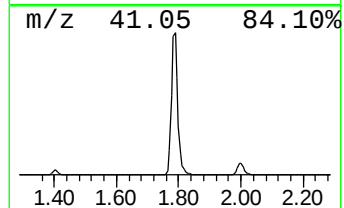
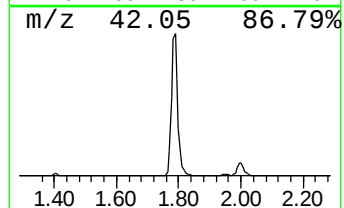
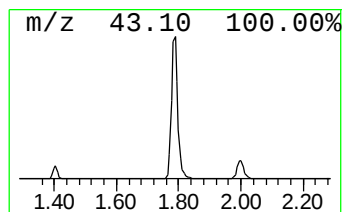
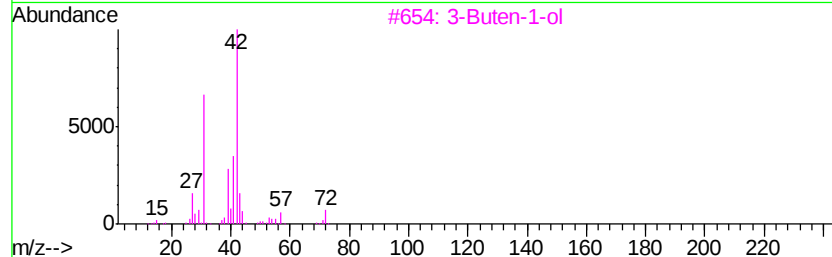
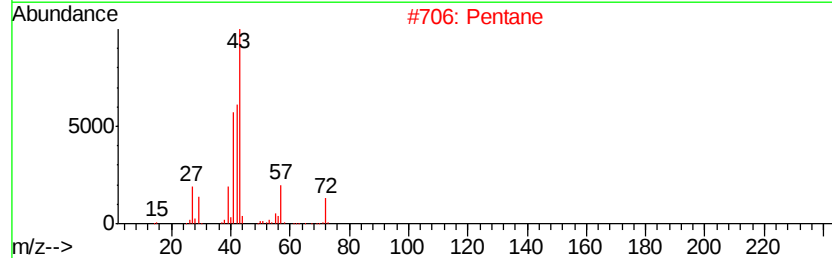
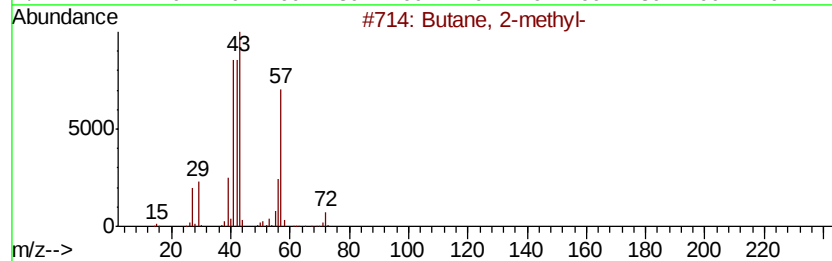
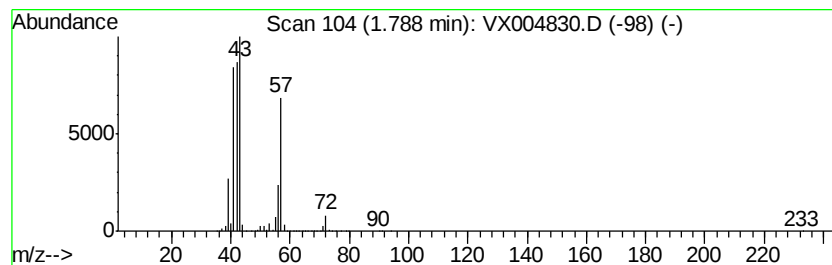
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc      | Area     | Relative to ISTD   | R.T. |
|------|--------------|----------|--------------------|------|
| 1.79 | 2174.33 ug/l | 27591800 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl-    | 72 | C5H12   | 000078-78-4 | 94   |
| 2    |    | Pentane              | 72 | C5H12   | 000109-66-0 | 39   |
| 3    |    | 3-Buten-1-ol         | 72 | C4H8O   | 000627-27-0 | 28   |
| 4    |    | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 9    |
| 5    |    | 1-Butene             | 56 | C4H8    | 000106-98-9 | 9    |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-JBW-7333

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

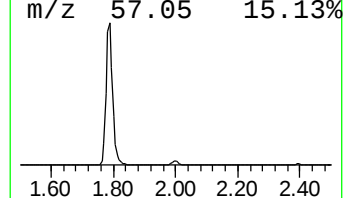
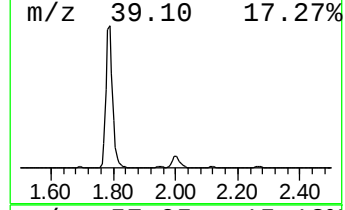
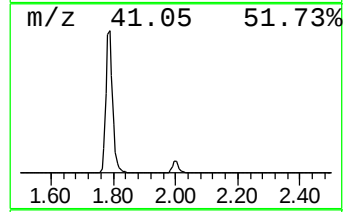
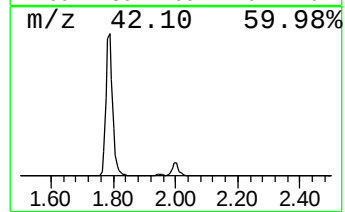
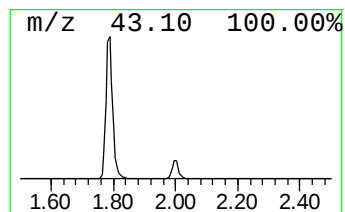
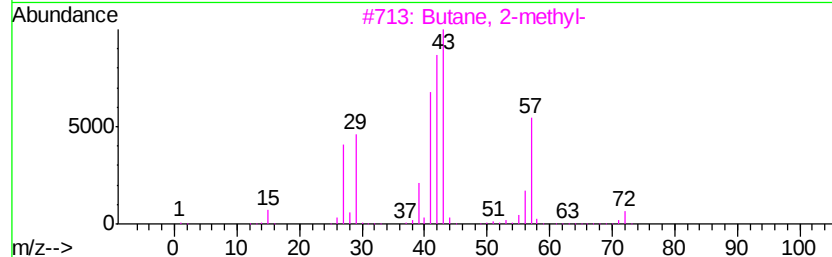
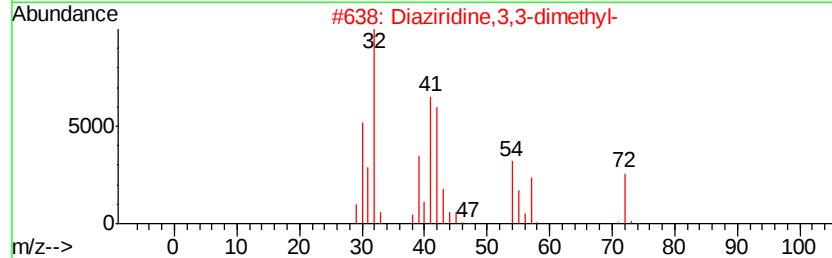
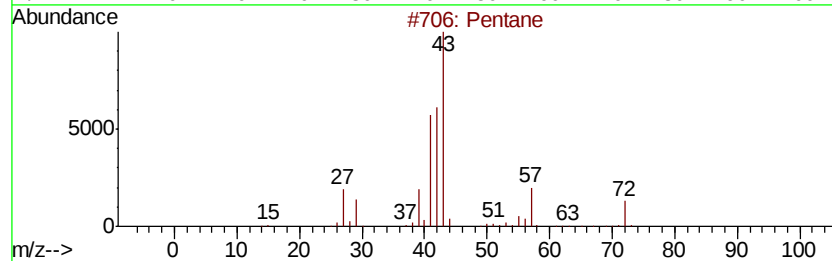
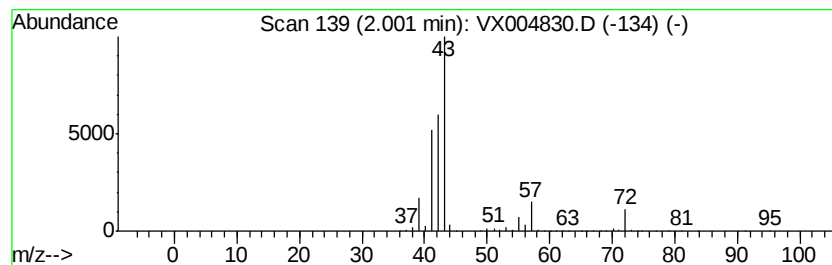
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Pentane Concentration Rank 6

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.00 | 198.89 ug/l | 2523830 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID              | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------|----|---------|-------------|------|
| 1    | 5  | Pentane                   | 72 | C5H12   | 000109-66-0 | 91   |
| 2    |    | Diaziridine,3,3-dimethyl- | 72 | C3H8N2  | 004901-76-2 | 38   |
| 3    |    | Butane, 2-methyl-         | 72 | C5H12   | 000078-78-4 | 36   |
| 4    |    | Oxirane, ethyl-           | 72 | C4H8O   | 000106-88-7 | 9    |
| 5    |    | 1-Pentanol                | 88 | C5H12O  | 000071-41-0 | 9    |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

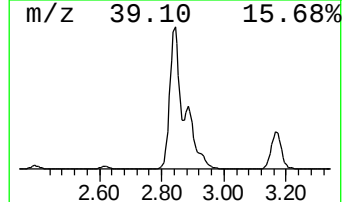
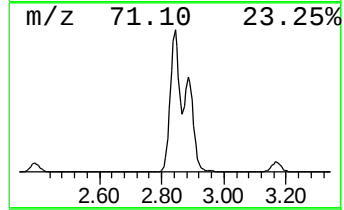
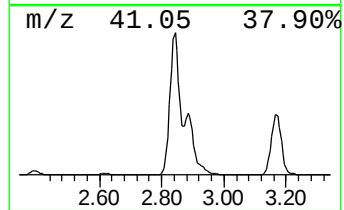
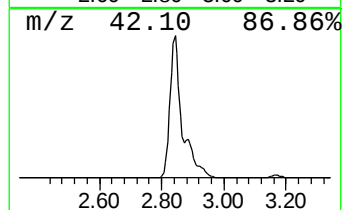
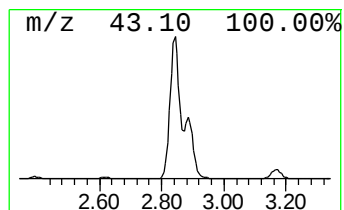
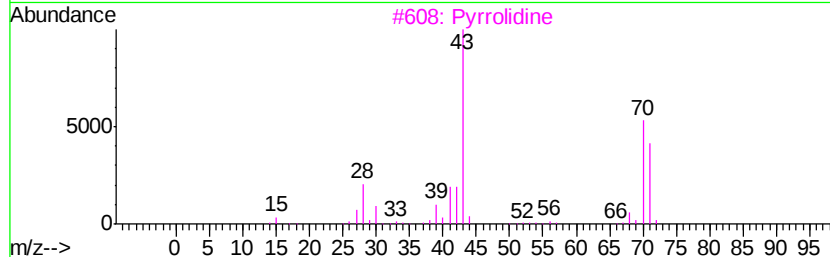
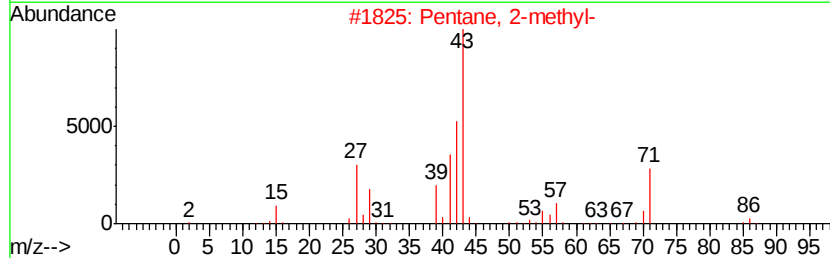
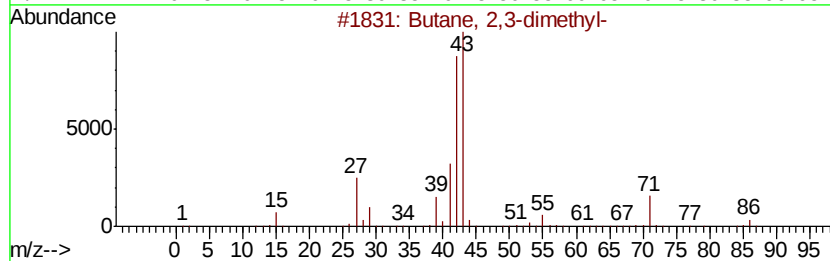
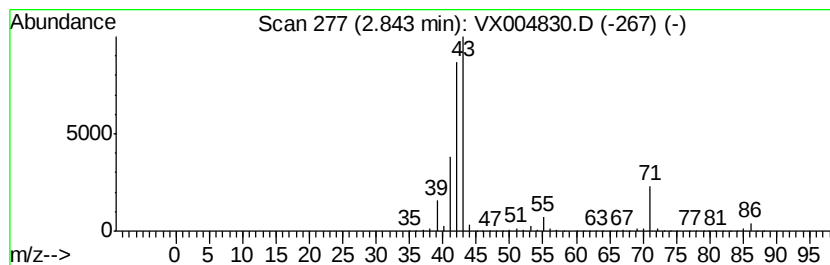
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.84 | 560.31 ug/l | 7110160 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2,3-dimethyl-         | 86  | C6H14   | 000079-29-8 | 90   |
| 2    |    | Pentane, 2-methyl-            | 86  | C6H14   | 000107-83-5 | 47   |
| 3    |    | Pyrrolidine                   | 71  | C4H9N   | 000123-75-1 | 10   |
| 4    |    | Furan, tetrahydro-2-methyl-   | 86  | C5H10O  | 000096-47-9 | 9    |
| 5    |    | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 9    |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-JBW-7333

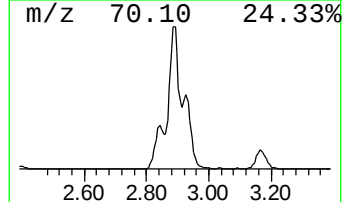
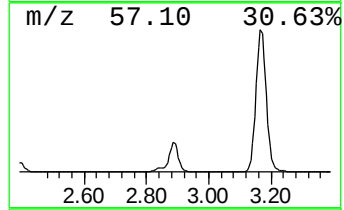
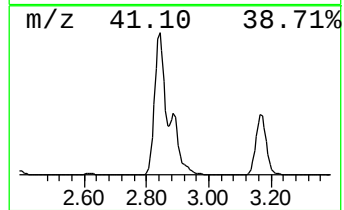
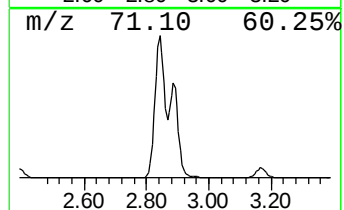
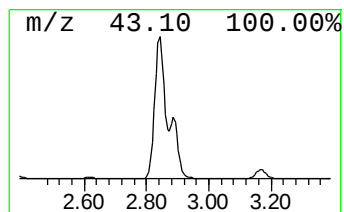
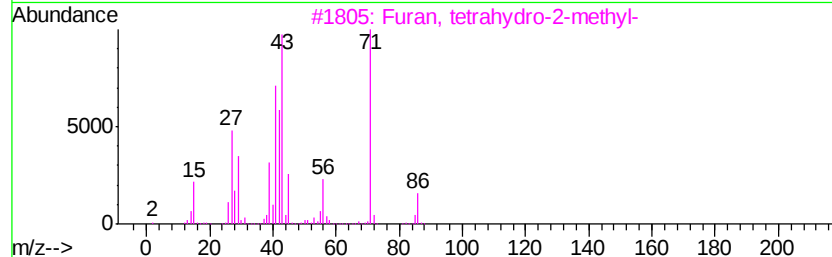
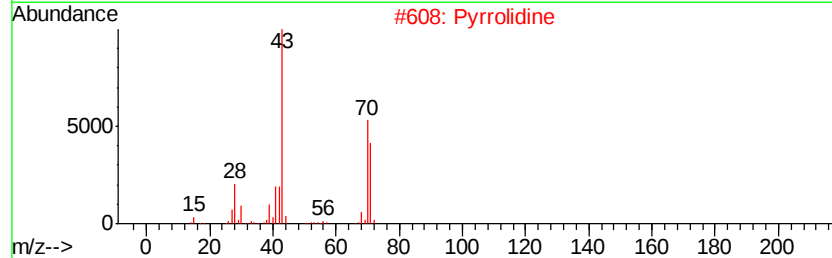
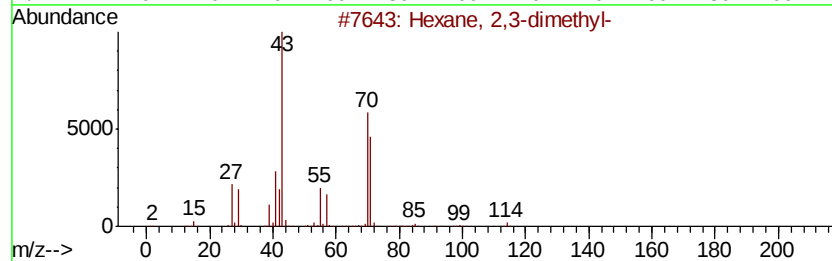
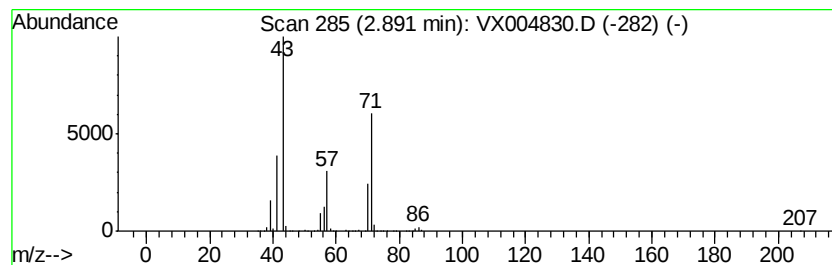
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

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

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Peak Number 4 unknown2.89 Concentration Rank 5

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.89 | 202.96 ug/l | 2575570 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 2,3-dimethyl-       | 114 | C8H18   | 000584-94-1 | 45   |
| 2    |    | Pyrrolidine                 | 71  | C4H9N   | 000123-75-1 | 42   |
| 3    |    | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 38   |
| 4    |    | 1-Heptene, 4-methyl-        | 112 | C8H16   | 013151-05-8 | 38   |
| 5    |    | Pentane, 3,3-dimethyl-      | 100 | C7H16   | 000562-49-2 | 36   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-JBW-7333

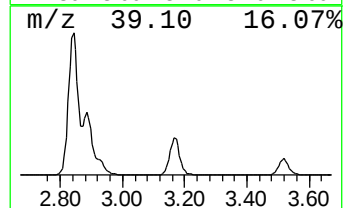
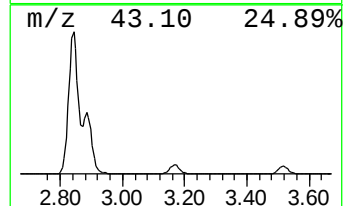
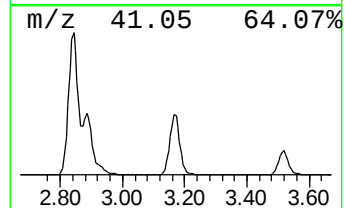
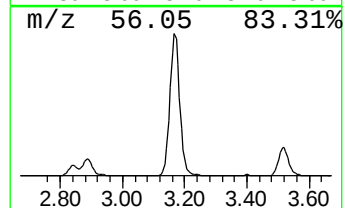
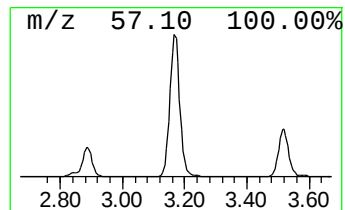
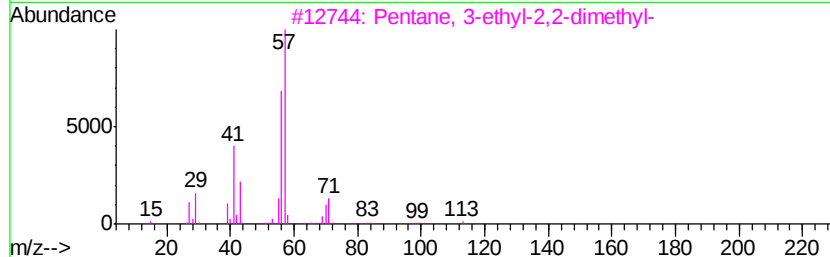
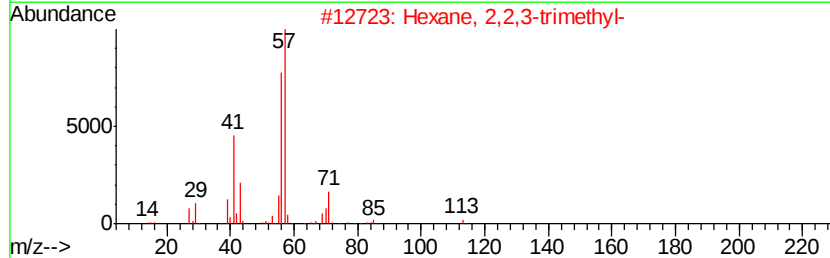
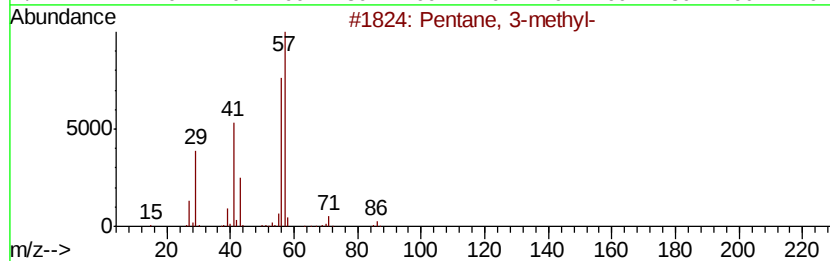
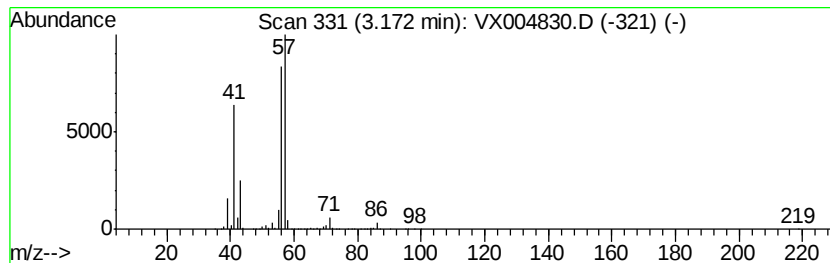
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Pentane, 3-methyl- Concentration Rank 9

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 3.17 | 159.61 ug/l | 2025400 | 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 | 83   |
| 3    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 64   |
| 4    |    | Pentane, 2,2,3-trimethyl-      | 114 | C8H18   | 000564-02-3 | 50   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl-  | 128 | C9H20   | 001070-87-7 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-JBW-7333

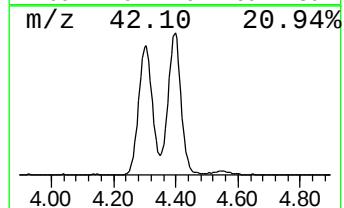
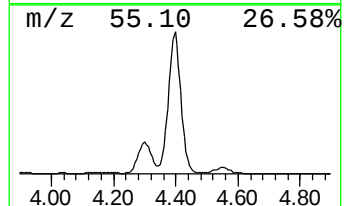
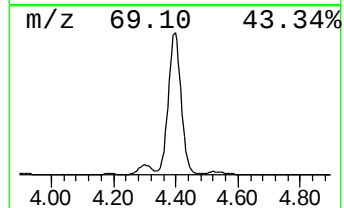
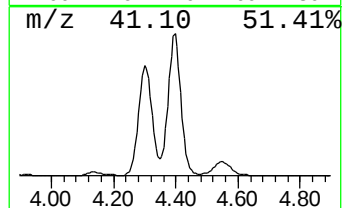
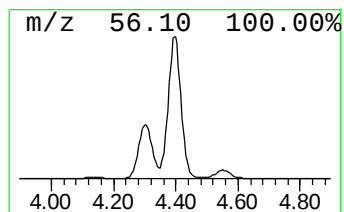
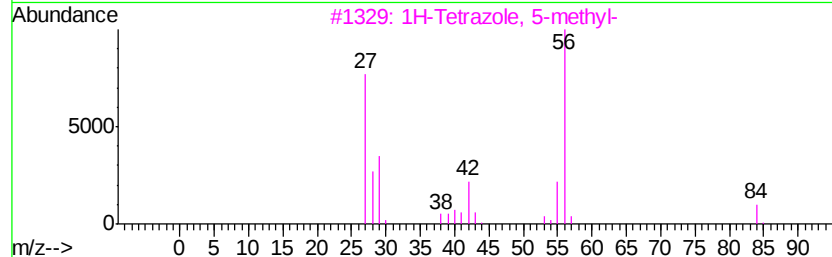
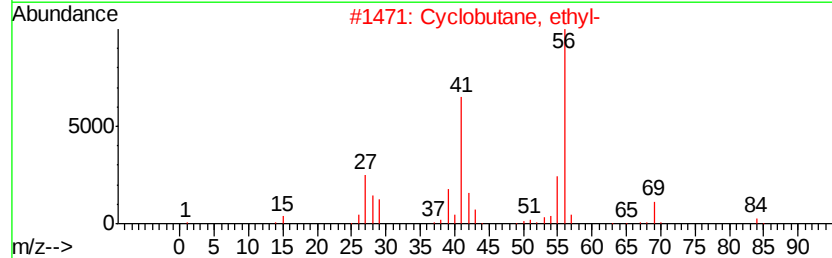
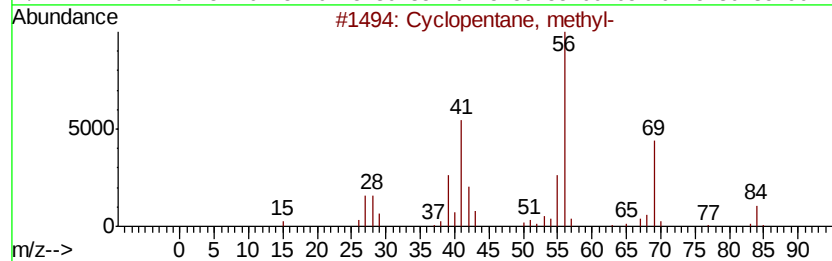
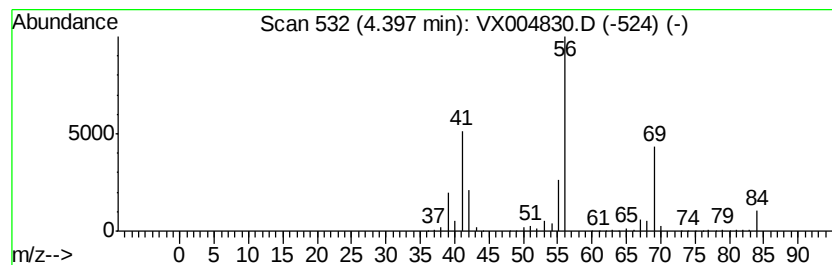
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Quant Title : SW846 8260

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

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Peak Number 6 Cyclopentane, methyl- Concentration Rank 10

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 4.40 | 150.28 ug/l | 1907080 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-               | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |    | Cyclobutane, ethyl-                 | 84 | C6H12   | 004806-61-5 | 72   |
| 3    |    | 1H-Tetrazole, 5-methyl-             | 84 | C2H4N4  | 004076-36-2 | 50   |
| 4    |    | 1-Pentene, 2-methyl-                | 84 | C6H12   | 000763-29-1 | 46   |
| 5    |    | Cyclopropane, 1-ethyl-2-methyl-,... | 84 | C6H12   | 019781-68-1 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

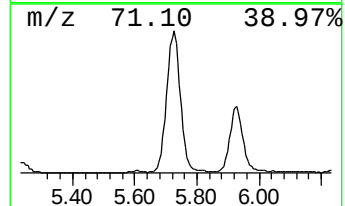
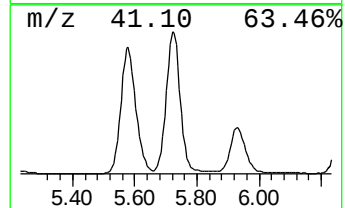
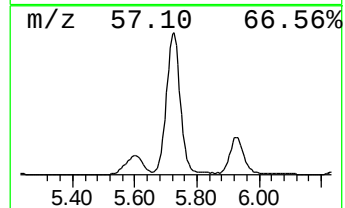
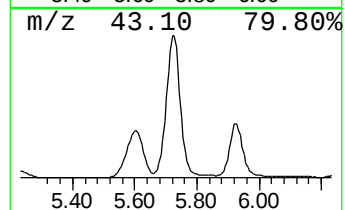
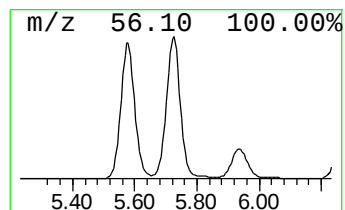
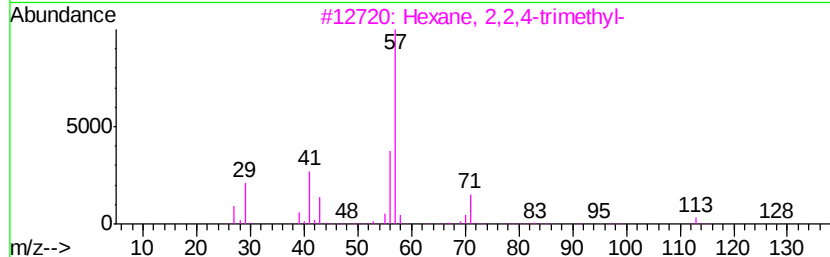
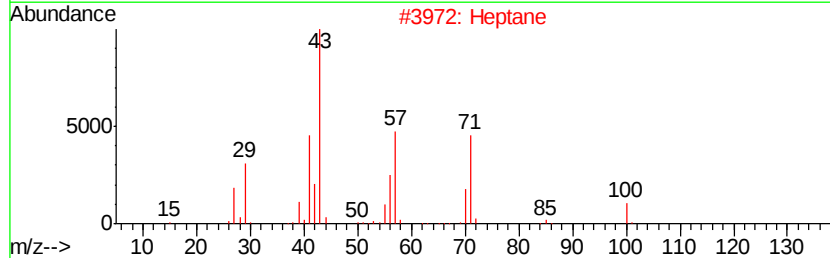
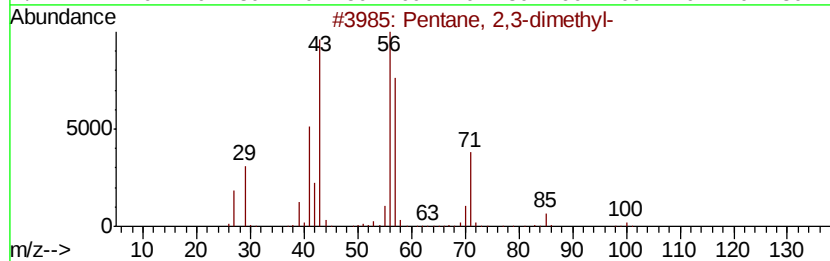
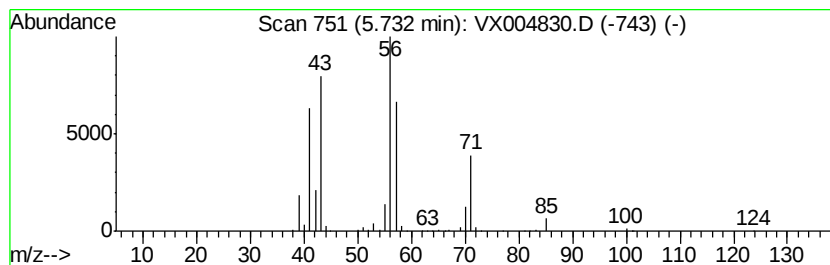
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Quant Title : SW846 8260

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

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Peak Number 7 Pentane, 2,3-dimethyl- Concentration Rank 7

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 5.73 | 168.65 ug/l | 2140190 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3-dimethyl-    | 100 | C7H16   | 000565-59-3 | 91   |
| 2    |    | Heptane                   | 100 | C7H16   | 000142-82-5 | 43   |
| 3    |    | Hexane, 2,2,4-trimethyl-  | 128 | C9H20   | 016747-26-5 | 42   |
| 4    |    | Heptane, 2,2,4-trimethyl- | 142 | C10H22  | 014720-74-2 | 38   |
| 5    |    | Butane, 2,2,3-trimethyl-  | 100 | C7H16   | 000464-06-2 | 37   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

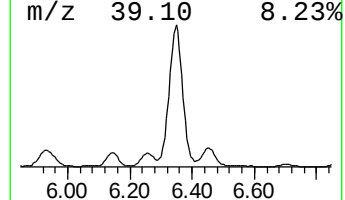
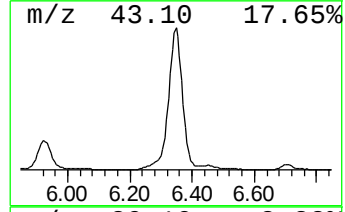
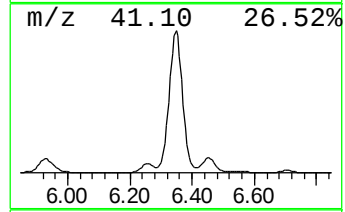
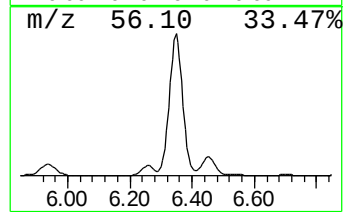
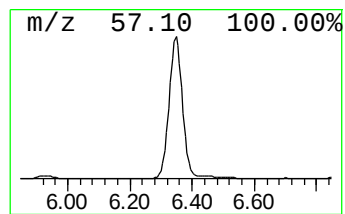
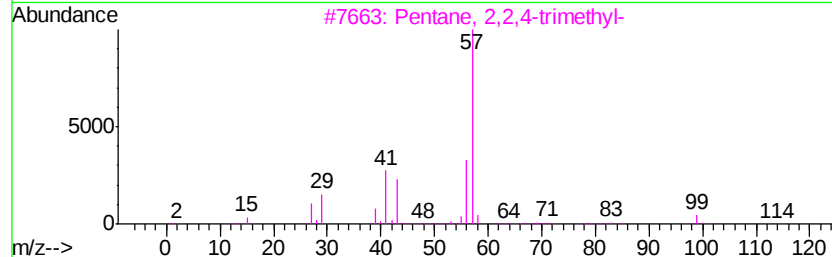
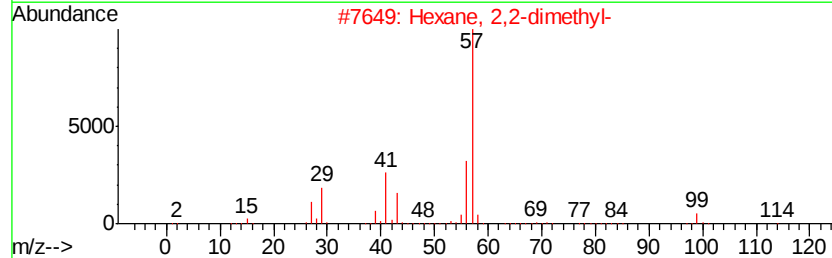
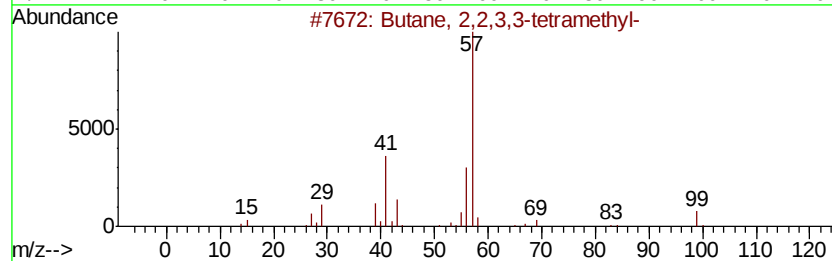
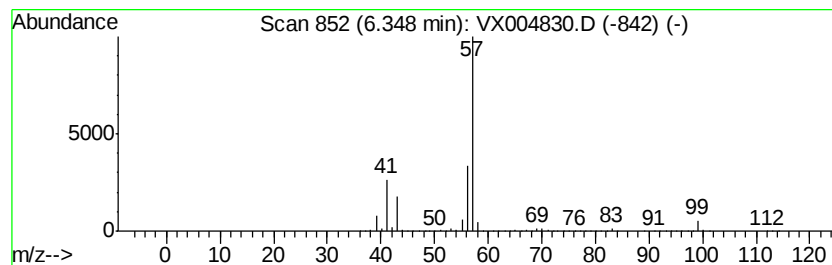
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Butane, 2,2,3,3-tetramethyl- Concentration Rank 3

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 6.35 | 423.65 ug/l | 7894740 | 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 | 72   |
| 2    |    | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 72   |
| 3    |    | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 72   |
| 4    |    | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 59   |
| 5    |    | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 59   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

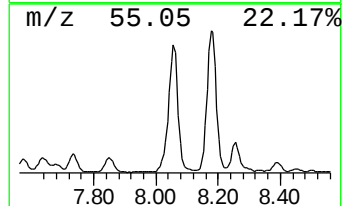
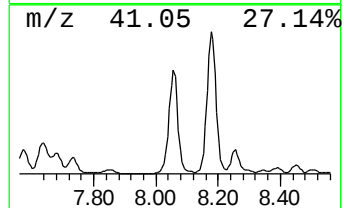
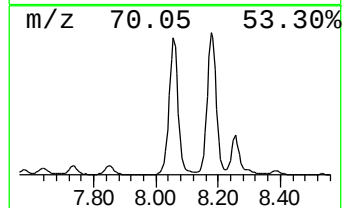
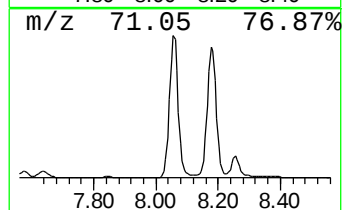
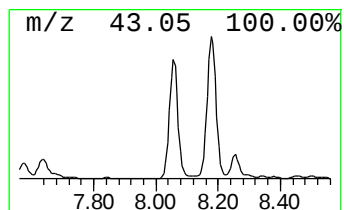
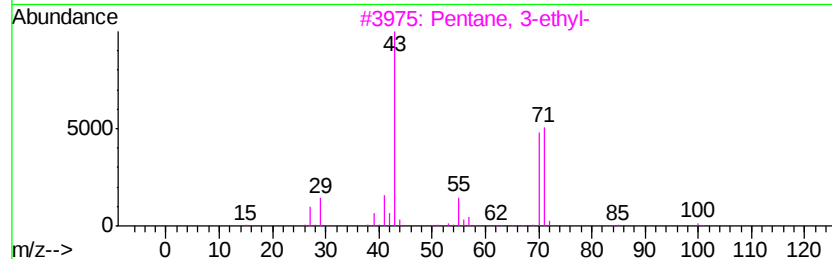
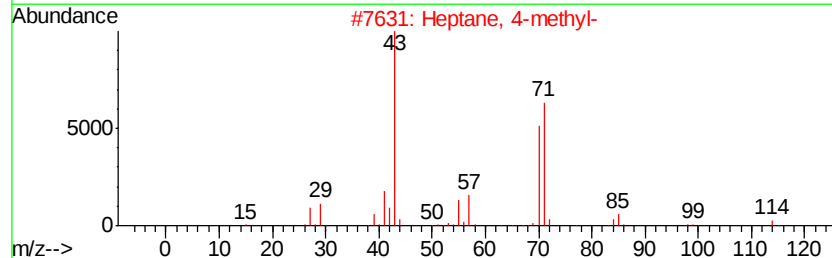
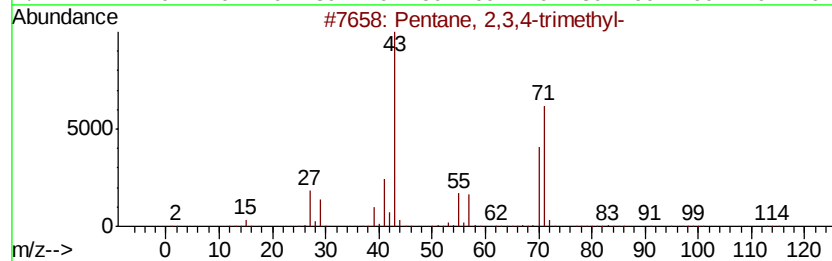
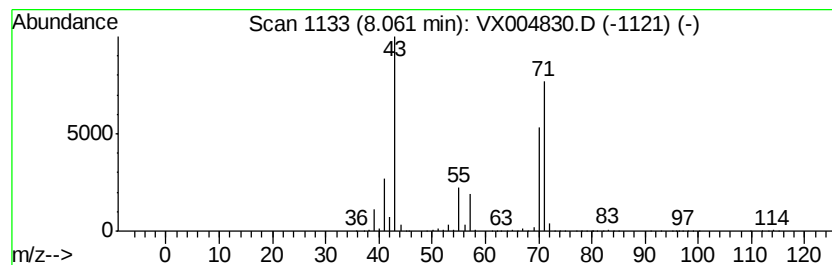
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Quant Title : SW846 8260

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

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Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 8

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 8.06 | 160.32 ug/l | 2987590 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | 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 | 78   |
| 4    |    | Hexane, 3,3,4-trimethyl-  | 128 | C9H20   | 016747-31-2 | 72   |
| 5    |    | Pentane, 3,3-dimethyl-    | 100 | C7H16   | 000562-49-2 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FA18-JBW-7333

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260

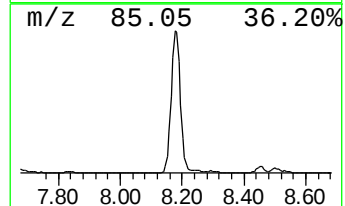
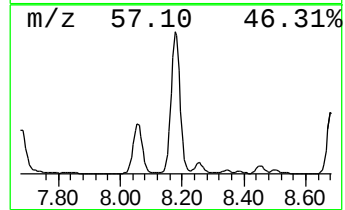
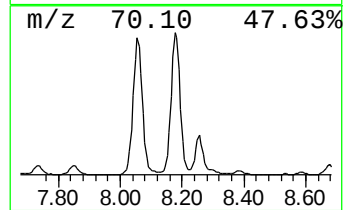
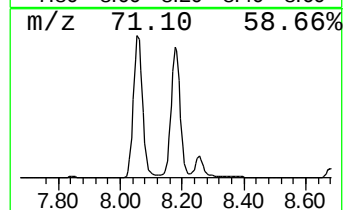
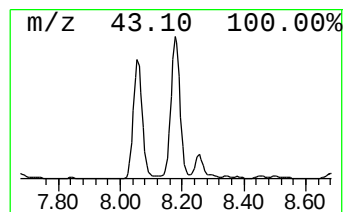
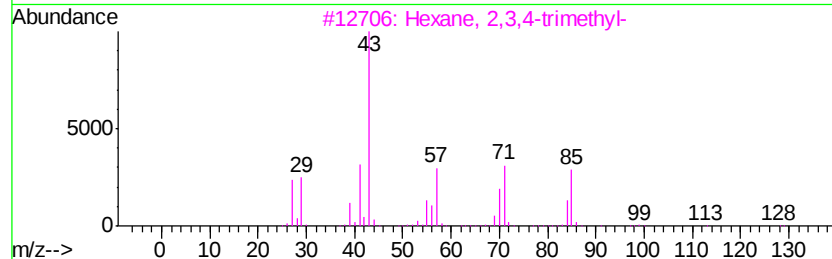
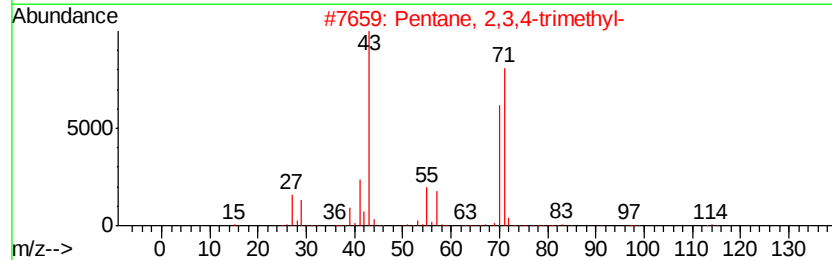
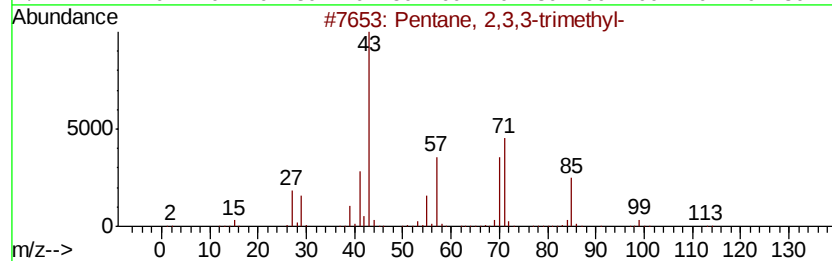
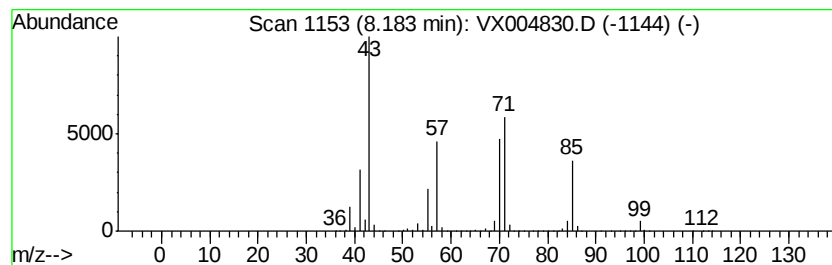
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 4

| R.T. | EstConc     | Area    | Relative to ISTD    | R.T. |
|------|-------------|---------|---------------------|------|
| 8.18 | 209.94 ug/l | 3912270 | 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    |    | Pentane, 2,3,4-trimethyl-          | 114 | C8H18     | 000565-75-3  | 64   |
| 3    |    | Hexane, 2,3,4-trimethyl-           | 128 | C9H20     | 000921-47-1  | 59   |
| 4    |    | Hexane, 3,3-dimethyl-              | 114 | C8H18     | 000563-16-6  | 59   |
| 5    |    | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 53   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX092818\  
Data File : VX004830.D  
Acq On : 28 Sep 2018 19:12  
Operator : JC/MD  
Sample : J5130-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA18-JBW-7333

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.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 | 2174.3  | ug/l  | 27591800 | 1                     | 5.67 | 634489 | 50.0 |
| Pentane              | 2.00 | 198.9   | ug/l  | 2523830  | 1                     | 5.67 | 634489 | 50.0 |
| Butane, 2,3-dimet... | 2.84 | 560.3   | ug/l  | 7110160  | 1                     | 5.67 | 634489 | 50.0 |
| unknown2.89          | 2.89 | 203.0   | ug/l  | 2575570  | 1                     | 5.67 | 634489 | 50.0 |
| Pentane, 3-methyl-   | 3.17 | 159.6   | ug/l  | 2025400  | 1                     | 5.67 | 634489 | 50.0 |
| Cyclopentane, met... | 4.40 | 150.3   | ug/l  | 1907080  | 1                     | 5.67 | 634489 | 50.0 |
| Pentane, 2,3-dime... | 5.73 | 168.7   | ug/l  | 2140190  | 1                     | 5.67 | 634489 | 50.0 |
| Butane, 2,2,3,3-t... | 6.35 | 423.6   | ug/l  | 7894740  | 2                     | 6.86 | 931743 | 50.0 |
| Pentane, 2,3,4-tr... | 8.06 | 160.3   | ug/l  | 2987590  | 2                     | 6.86 | 931743 | 50.0 |
| Pentane, 2,3,3-tr... | 8.18 | 209.9   | ug/l  | 3912270  | 2                     | 6.86 | 931743 | 50.0 |