

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX101218\  
 Data File : VX005290.D  
 Acq On : 12 Oct 2018 13:51  
 Operator : JC/MD  
 Sample : J5369-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CONCRETE-PILE

## 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\82X101218W.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         | 1.635       | 67            | 79          | 85           | rVB6     | 12972          | 32446         | 2.78%           | 0.354%        |
| 2         | 2.446       | 207           | 212         | 218          | rVB      | 17200          | 27014         | 2.32%           | 0.295%        |
| 3         | 2.782       | 261           | 267         | 273          | rBV      | 6483           | 12720         | 1.09%           | 0.139%        |
| 4         | 2.855       | 273           | 279         | 289          | rVB      | 70596          | 133425        | 11.45%          | 1.455%        |
| 5         | 5.501       | 701           | 713         | 728          | rBV      | 139820         | 406757        | 34.89%          | 4.435%        |
| 6         | 5.665       | 728           | 740         | 767          | rVV      | 273214         | 752157        | 64.52%          | 8.202%        |
| 7         | 6.068       | 795           | 806         | 826          | rBV2     | 177920         | 449416        | 38.55%          | 4.900%        |
| 8         | 6.458       | 859           | 870         | 889          | rBV      | 118482         | 291630        | 25.02%          | 3.180%        |
| 9         | 6.860       | 927           | 936         | 956          | rBV      | 358151         | 891095        | 76.44%          | 9.717%        |
| 10        | 7.884       | 1096          | 1104        | 1120         | rBV      | 138280         | 244998        | 21.02%          | 2.671%        |
| 11        | 8.713       | 1233          | 1240        | 1249         | rVV      | 716694         | 1165699       | 100.00%         | 12.711%       |
| 12        | 8.780       | 1249          | 1251        | 1264         | rVB2     | 17213          | 34721         | 2.98%           | 0.379%        |
| 13        | 9.408       | 1350          | 1354        | 1358         | rVB2     | 14633          | 18873         | 1.62%           | 0.206%        |
| 14        | 9.543       | 1371          | 1376        | 1381         | rBV      | 73919          | 103312        | 8.86%           | 1.127%        |
| 15        | 9.640       | 1388          | 1392        | 1399         | rVB      | 20658          | 29077         | 2.49%           | 0.317%        |
| 16        | 9.975       | 1441          | 1447        | 1459         | rBV      | 79112          | 111683        | 9.58%           | 1.218%        |
| 17        | 10.116      | 1463          | 1470        | 1485         | rVV      | 727638         | 1023594       | 87.81%          | 11.161%       |
| 18        | 10.359      | 1504          | 1510        | 1517         | rBV      | 22398          | 31505         | 2.70%           | 0.344%        |
| 19        | 10.701      | 1561          | 1566        | 1573         | rBV3     | 10216          | 16443         | 1.41%           | 0.179%        |
| 20        | 11.140      | 1632          | 1638        | 1648         | rBV      | 580500         | 765264        | 65.65%          | 8.345%        |
| 21        | 11.432      | 1679          | 1686        | 1689         | rBV2     | 7286           | 12555         | 1.08%           | 0.137%        |
| 22        | 11.506      | 1694          | 1698        | 1709         | rVB2     | 10124          | 14036         | 1.20%           | 0.153%        |
| 23        | 11.810      | 1743          | 1748        | 1752         | rVB      | 20105          | 26486         | 2.27%           | 0.289%        |
| 24        | 12.079      | 1786          | 1792        | 1799         | rVV      | 785803         | 975259        | 83.66%          | 10.634%       |
| 25        | 12.140      | 1799          | 1802        | 1807         | rVB      | 9309           | 11995         | 1.03%           | 0.131%        |
| 26        | 12.298      | 1818          | 1828        | 1836         | rBV4     | 15198          | 26110         | 2.24%           | 0.285%        |
| 27        | 12.377      | 1836          | 1841        | 1847         | rVB5     | 6725           | 15239         | 1.31%           | 0.166%        |
| 28        | 12.469      | 1851          | 1856        | 1861         | rBV      | 47522          | 59493         | 5.10%           | 0.649%        |
| 29        | 13.024      | 1943          | 1947        | 1954         | rBV3     | 13157          | 19606         | 1.68%           | 0.214%        |
| 30        | 13.347      | 1995          | 2000        | 2005         | rVV2     | 18309          | 26667         | 2.29%           | 0.291%        |
| 31        | 13.402      | 2005          | 2009        | 2015         | rVB2     | 15448          | 20679         | 1.77%           | 0.225%        |
| 32        | 13.481      | 2015          | 2022        | 2029         | rVB2     | 22558          | 31567         | 2.71%           | 0.344%        |
| 33        | 13.834      | 2073          | 2080        | 2087         | rBV      | 667461         | 813466        | 69.78%          | 8.870%        |
| 34        | 13.926      | 2087          | 2095        | 2102         | rVV2     | 16084          | 33486         | 2.87%           | 0.365%        |

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Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

## 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\82X101218W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.286 | 2148 | 2154 | 2163 | rVB2 | 14972  | 28017  | 2.40%  | 0.306% |
| 36 | 14.542 | 2191 | 2196 | 2201 | rBV2 | 10106  | 14555  | 1.25%  | 0.159% |
| 37 | 14.700 | 2212 | 2222 | 2231 | rVB  | 116387 | 165383 | 14.19% | 1.803% |
| 38 | 14.840 | 2240 | 2245 | 2251 | rBV  | 98960  | 128850 | 11.05% | 1.405% |
| 39 | 15.273 | 2306 | 2316 | 2322 | rBV2 | 15420  | 29167  | 2.50%  | 0.318% |
| 40 | 15.548 | 2353 | 2361 | 2366 | rBV  | 19942  | 35206  | 3.02%  | 0.384% |
| 41 | 15.688 | 2378 | 2384 | 2388 | rBV  | 27778  | 46224  | 3.97%  | 0.504% |
| 42 | 15.724 | 2388 | 2390 | 2396 | rVB  | 12474  | 18014  | 1.55%  | 0.196% |
| 43 | 15.919 | 2411 | 2422 | 2431 | rBV2 | 8663   | 22334  | 1.92%  | 0.244% |
| 44 | 16.176 | 2459 | 2464 | 2471 | rBV2 | 14509  | 23557  | 2.02%  | 0.257% |
| 45 | 16.419 | 2497 | 2504 | 2513 | rBV  | 15435  | 31067  | 2.67%  | 0.339% |

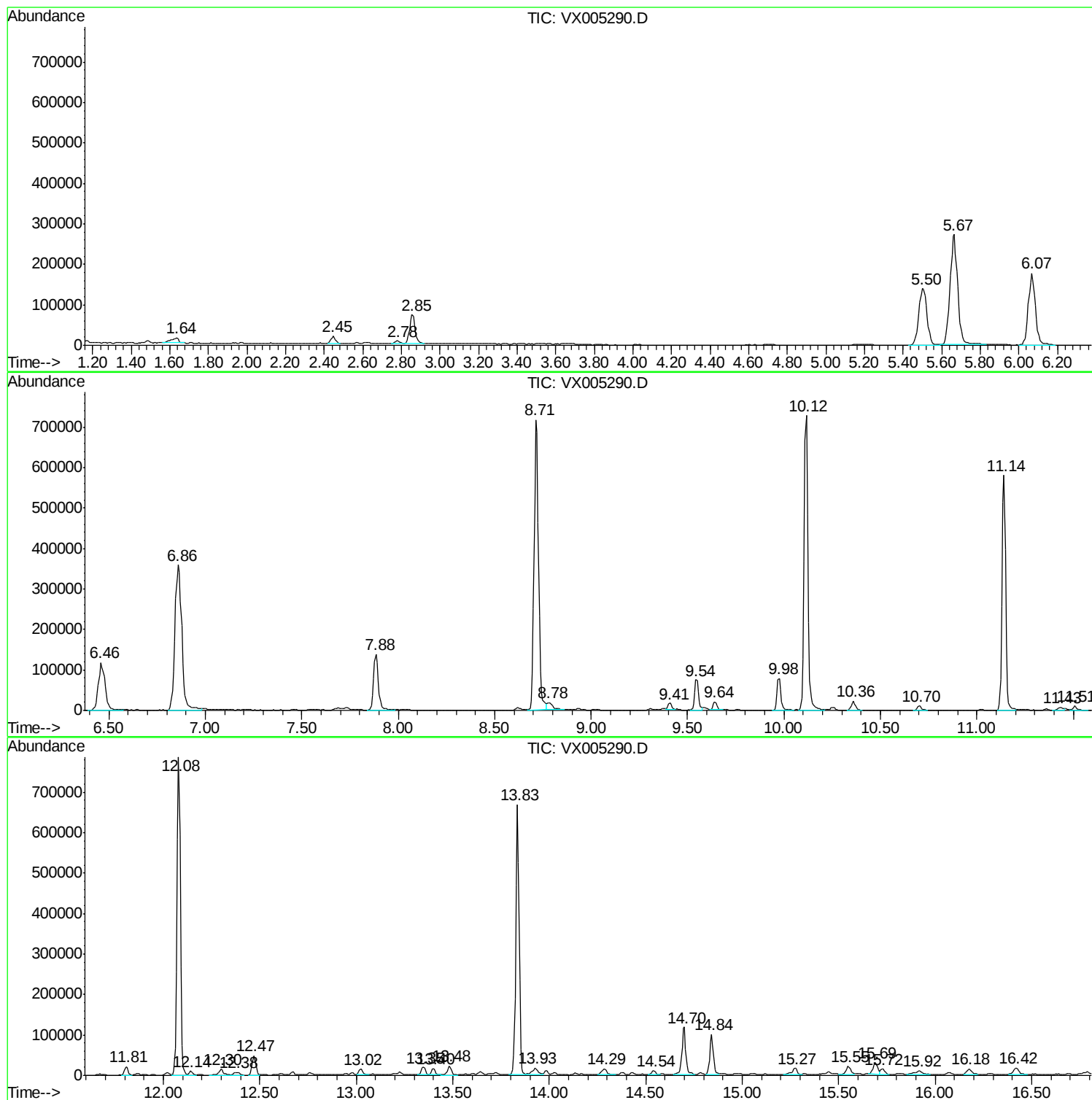
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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MSVOA\_X  
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CONCRETE-PILE

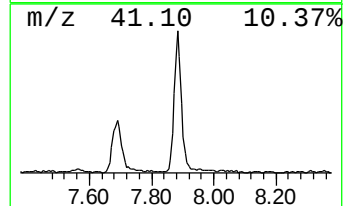
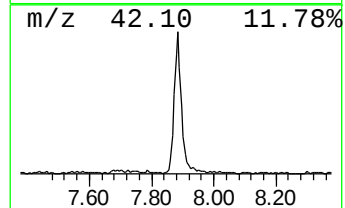
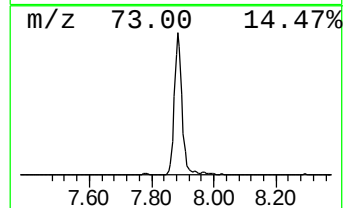
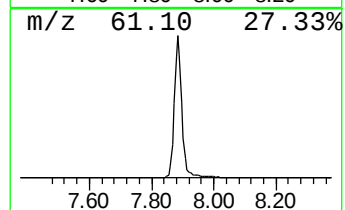
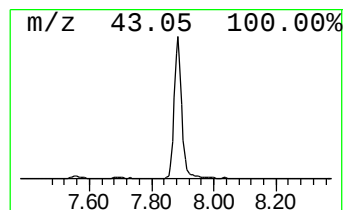
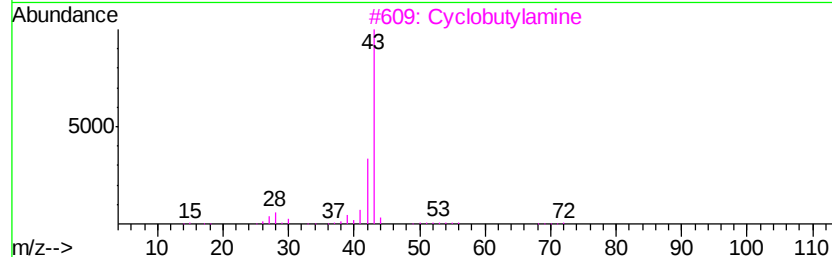
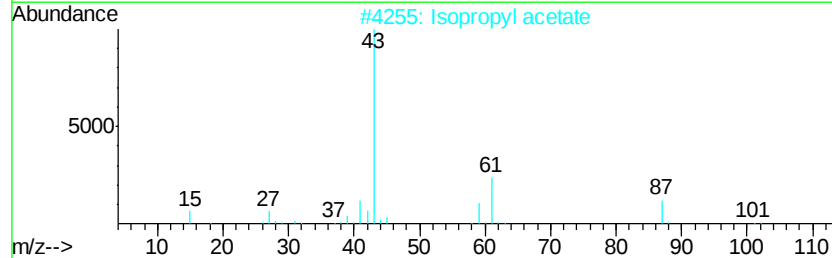
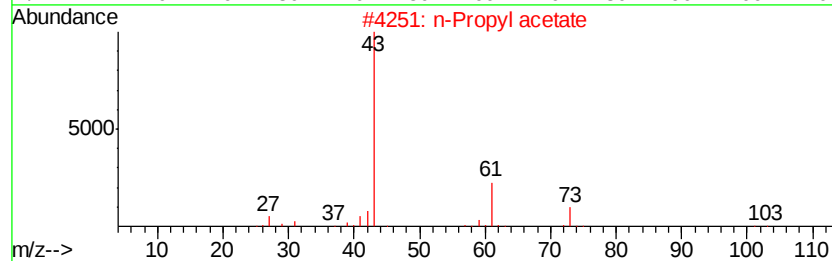
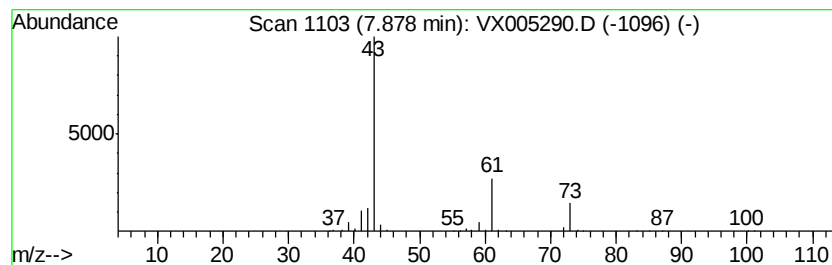
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260

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

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Peak Number 1 n-Propyl acetate Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD    | R.T. |
|------|------------|--------|---------------------|------|
| 7.88 | 13.75 ug/l | 244998 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | n-Propyl acetate  | 102 | C5H10O2 | 000109-60-4 | 78   |
| 2    |    | Isopropyl acetate | 102 | C5H10O2 | 000108-21-4 | 36   |
| 3    |    | Cyclobutylamine   | 71  | C4H9N   | 002516-34-9 | 9    |
| 4    |    | Isobutyl acetate  | 116 | C6H12O2 | 000110-19-0 | 9    |
| 5    |    | Isobutane         | 58  | C4H10   | 000075-28-5 | 7    |



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ClientSampleId :  
CONCRETE-PILE

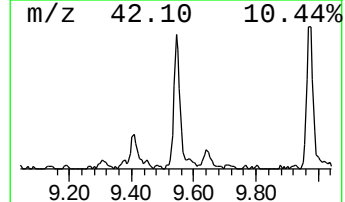
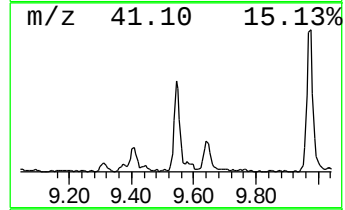
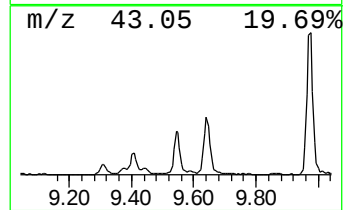
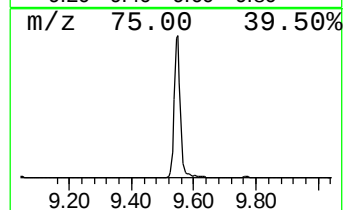
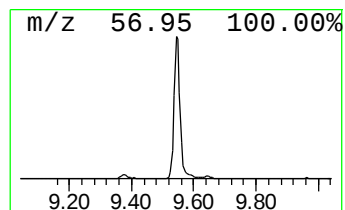
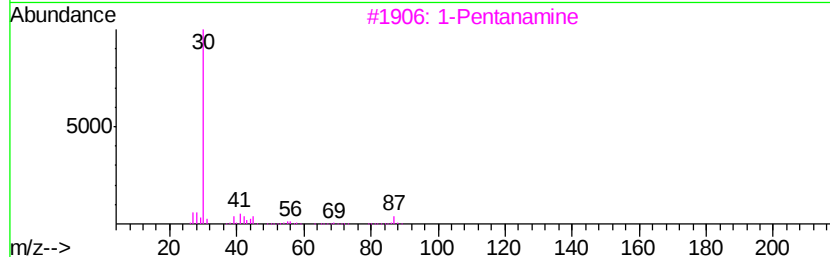
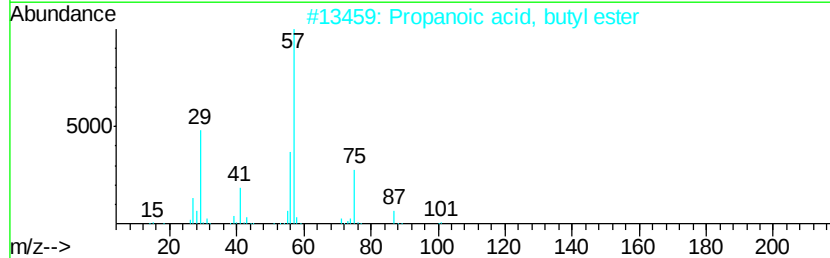
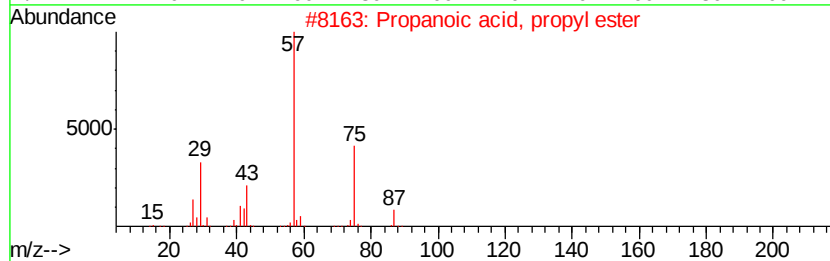
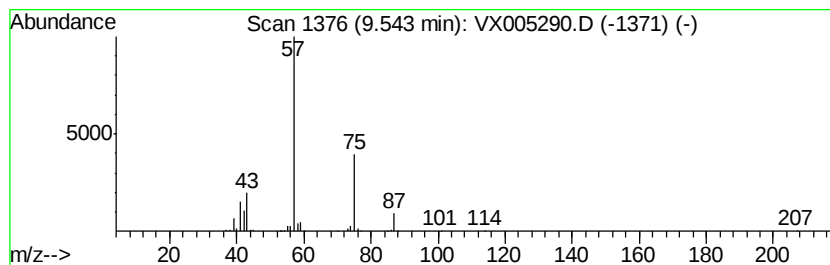
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Propanoic acid, propyl ester Concentration Rank 5

| R.T. | EstConc   | Area   | Relative to ISTD | R.T.  |
|------|-----------|--------|------------------|-------|
| 9.54 | 5.05 ug/l | 103312 | Chlorobenzene-d5 | 10.12 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propanoic acid, propyl ester     | 116 | C6H12O2 | 000106-36-5 | 83   |
| 2    |    | Propanoic acid, butyl ester      | 130 | C7H14O2 | 000590-01-2 | 45   |
| 3    |    | 1-Pentanamine                    | 87  | C5H13N  | 000110-58-7 | 9    |
| 4    |    | Propanoic acid, 2-propenyl ester | 114 | C6H10O2 | 002408-20-0 | 9    |
| 5    |    | 1-Butanamine, 3-methyl-          | 87  | C5H13N  | 000107-85-7 | 9    |



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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260

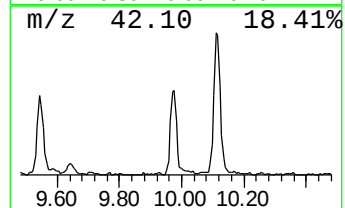
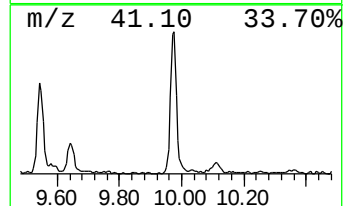
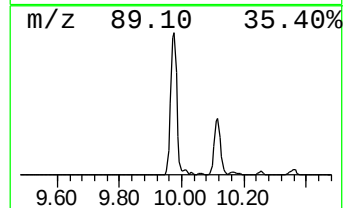
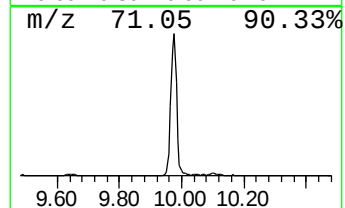
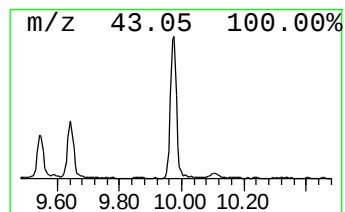
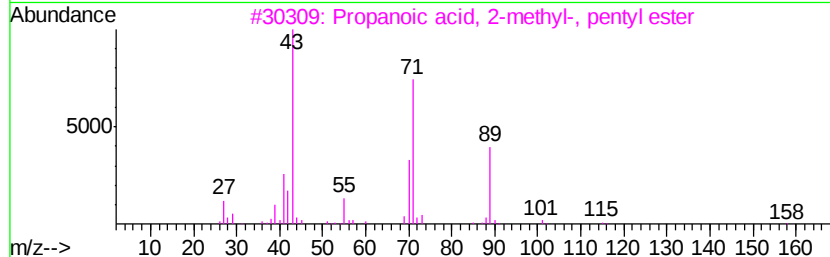
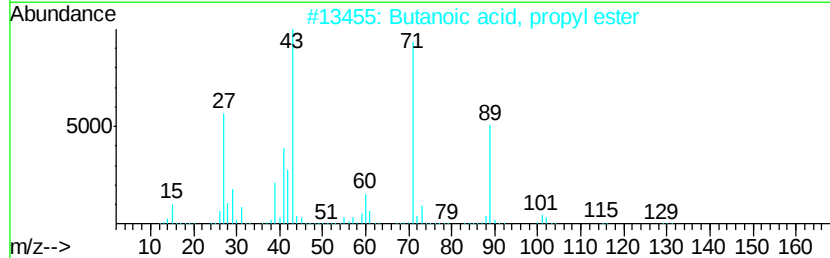
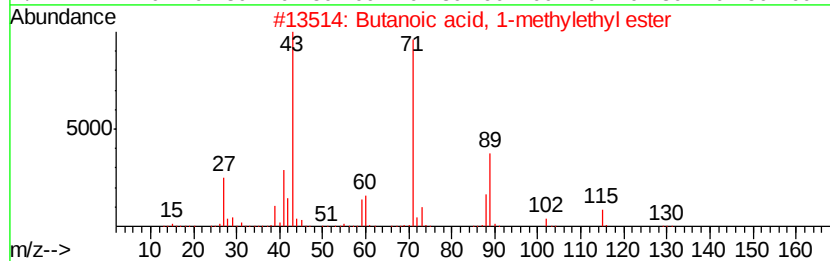
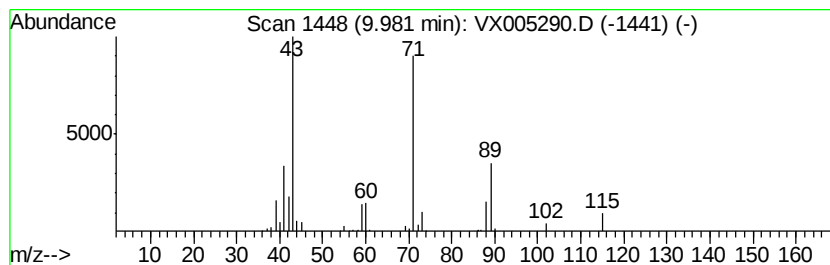
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Butanoic acid, 1-methylethy... Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD | R.T.  |
|------|-----------|--------|------------------|-------|
| 9.98 | 5.46 ug/l | 111683 | Chlorobenzene-d5 | 10.12 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butanoic acid, 1-methylethyl ester   | 130 | C7H14O2 | 000638-11-9 | 90   |
| 2    |    | Butanoic acid, propyl ester          | 130 | C7H14O2 | 000105-66-8 | 59   |
| 3    |    | Propanoic acid, 2-methyl-, pentyl... | 158 | C9H18O2 | 002445-72-9 | 50   |
| 4    |    | Butanoic acid, butyl ester           | 144 | C8H16O2 | 000109-21-7 | 45   |
| 5    |    | Butanoic acid, 2-methylpropyl ester  | 144 | C8H16O2 | 000539-90-2 | 42   |



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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :  
CONCRETE-PILE

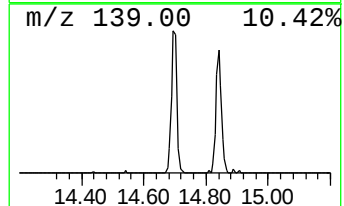
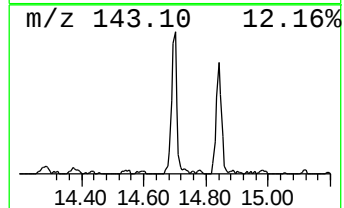
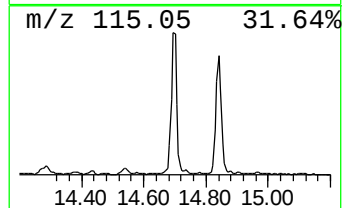
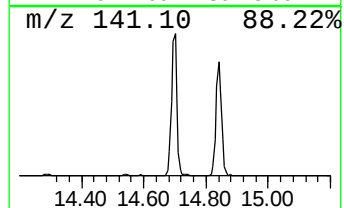
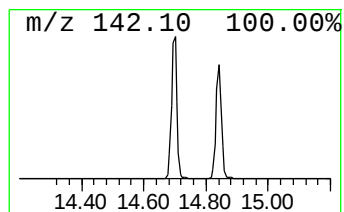
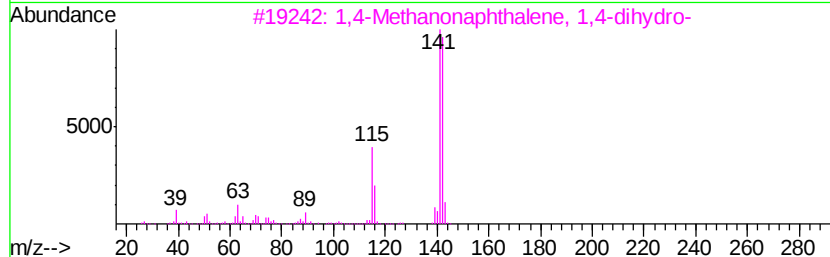
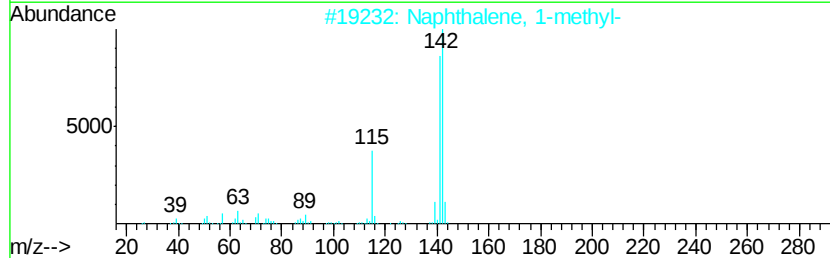
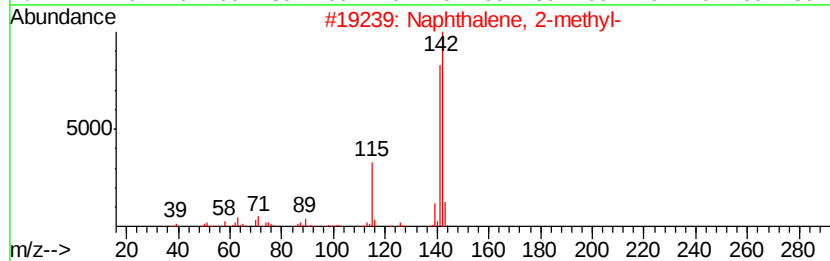
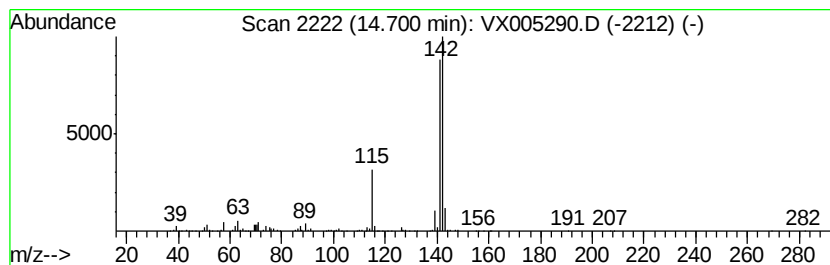
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 2-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.70 | 8.48 ug/l | 165383 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX101218\  
Data File : VX005290.D  
Acq On : 12 Oct 2018 13:51  
Operator : JC/MD  
Sample : J5369-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.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 |
| n-Propyl acetate     | 7.88  | 13.8    | ug/l  | 244998   | 2                     | 6.86  | 891095  | 50.0 |
| Propanoic acid, p... | 9.54  | 5.0     | ug/l  | 103312   | 3                     | 10.12 | 1023590 | 50.0 |
| Butanoic acid, 1-... | 9.98  | 5.5     | ug/l  | 111683   | 3                     | 10.12 | 1023590 | 50.0 |
| Naphthalene, 2-me... | 14.70 | 8.5     | ug/l  | 165383   | 4                     | 12.08 | 975259  | 50.0 |