

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\  
 Data File : VD060253.D  
 Acq On : 31 Oct 2018 20:38  
 Operator : VA/AP  
 Sample : J5377-01  
 Misc : 5.63g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-200036

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\_D\METHOD\82D100118S.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         | 3.156       | 162           | 166         | 181          | rVB      | 25819          | 99235         | 1.20%           | 0.217%        |
| 2         | 3.727       | 219           | 224         | 238          | rVB      | 150791         | 431620        | 5.24%           | 0.942%        |
| 3         | 6.335       | 482           | 489         | 493          | rBV      | 828633         | 2170176       | 26.33%          | 4.736%        |
| 4         | 6.414       | 493           | 497         | 511          | rVB      | 1468874        | 3840941       | 46.61%          | 8.382%        |
| 5         | 6.788       | 530           | 535         | 549          | rBV      | 644379         | 1625305       | 19.72%          | 3.547%        |
| 6         | 7.447       | 596           | 602         | 619          | rBV      | 1975360        | 4810186       | 58.37%          | 10.497%       |
| 7         | 9.464       | 801           | 807         | 814          | rBV      | 2325825        | 5089205       | 61.76%          | 11.106%       |
| 8         | 10.202      | 876           | 882         | 890          | rBV      | 80480          | 211764        | 2.57%           | 0.462%        |
| 9         | 10.783      | 937           | 941         | 945          | rBV      | 57531          | 113990        | 1.38%           | 0.249%        |
| 10        | 11.285      | 988           | 992         | 1004         | rBV      | 3038504        | 5050225       | 61.28%          | 11.021%       |
| 11        | 11.433      | 1004          | 1007        | 1014         | rVB      | 116314         | 195722        | 2.38%           | 0.427%        |
| 12        | 11.570      | 1014          | 1021        | 1023         | rBV      | 48384          | 129098        | 1.57%           | 0.282%        |
| 13        | 11.934      | 1056          | 1058        | 1062         | rVB2     | 55831          | 100482        | 1.22%           | 0.219%        |
| 14        | 12.102      | 1069          | 1075        | 1078         | rBV4     | 33892          | 87158         | 1.06%           | 0.190%        |
| 15        | 12.190      | 1078          | 1084        | 1090         | rVB4     | 31129          | 90433         | 1.10%           | 0.197%        |
| 16        | 12.426      | 1105          | 1108        | 1113         | rBV      | 2148519        | 3337681       | 40.50%          | 7.284%        |
| 17        | 12.584      | 1120          | 1124        | 1128         | rVB2     | 60480          | 124446        | 1.51%           | 0.272%        |
| 18        | 12.800      | 1143          | 1146        | 1152         | rVB6     | 42475          | 121120        | 1.47%           | 0.264%        |
| 19        | 13.292      | 1193          | 1196        | 1201         | rVB      | 66942          | 93883         | 1.14%           | 0.205%        |
| 20        | 13.371      | 1201          | 1204        | 1213         | rBV      | 3226085        | 4669795       | 56.67%          | 10.191%       |
| 21        | 13.568      | 1220          | 1224        | 1229         | rBV      | 5861052        | 8240667       | 100.00%         | 17.984%       |
| 22        | 13.725      | 1237          | 1240        | 1245         | rVB      | 347696         | 500063        | 6.07%           | 1.091%        |
| 23        | 13.942      | 1260          | 1262        | 1264         | rBV2     | 153270         | 217846        | 2.64%           | 0.475%        |
| 24        | 13.991      | 1264          | 1267        | 1270         | rVB      | 564418         | 747344        | 9.07%           | 1.631%        |
| 25        | 14.158      | 1278          | 1284        | 1286         | rBV      | 113011         | 157668        | 1.91%           | 0.344%        |
| 26        | 14.247      | 1289          | 1293        | 1300         | rVV2     | 124813         | 275248        | 3.34%           | 0.601%        |
| 27        | 14.414      | 1308          | 1310        | 1315         | rVB      | 230351         | 301893        | 3.66%           | 0.659%        |
| 28        | 14.523      | 1319          | 1321        | 1324         | rVB2     | 294932         | 348459        | 4.23%           | 0.760%        |
| 29        | 14.641      | 1330          | 1333        | 1338         | rBV      | 1119084        | 1405173       | 17.05%          | 3.067%        |
| 30        | 14.975      | 1363          | 1367        | 1371         | rVB      | 309389         | 424914        | 5.16%           | 0.927%        |
| 31        | 15.723      | 1439          | 1443        | 1445         | rBV      | 64640          | 88505         | 1.07%           | 0.193%        |
| 32        | 15.772      | 1445          | 1448        | 1451         | rVB      | 227175         | 323678        | 3.93%           | 0.706%        |
| 33        | 15.910      | 1458          | 1462        | 1466         | rBV      | 295337         | 398464        | 4.84%           | 0.870%        |

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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :  
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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\_D\METHOD\82D100118S.M  
Title : SW846 8260

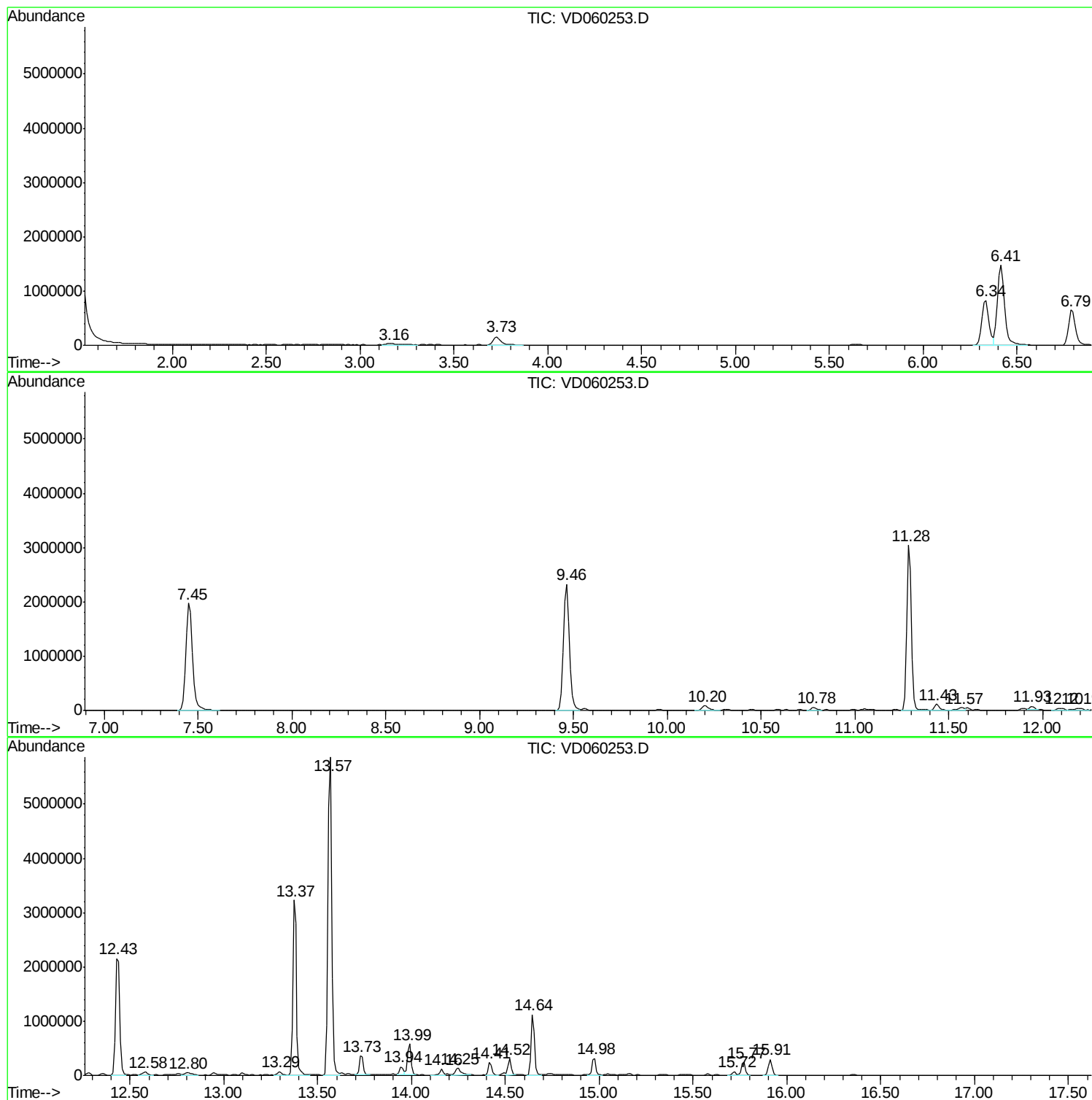
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Misc : 5.63a/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

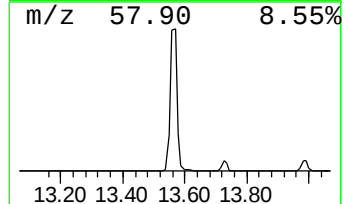
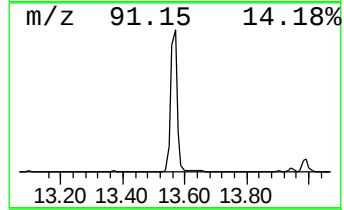
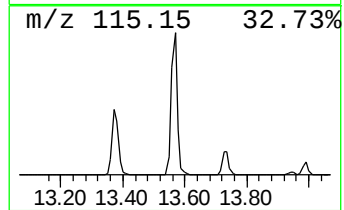
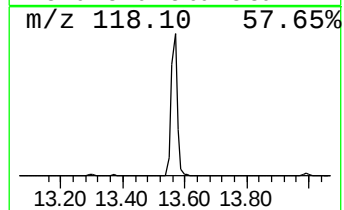
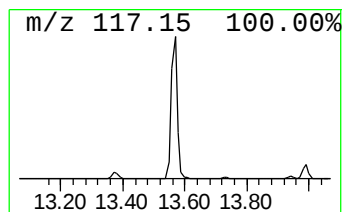
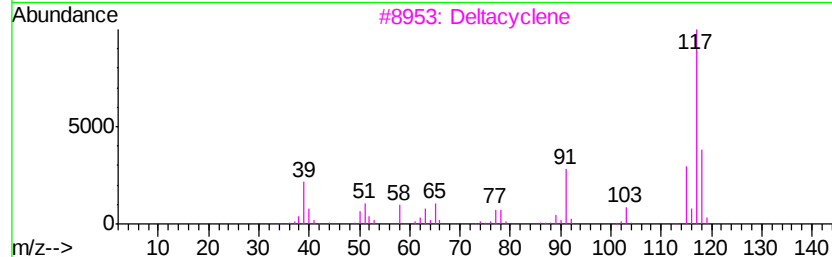
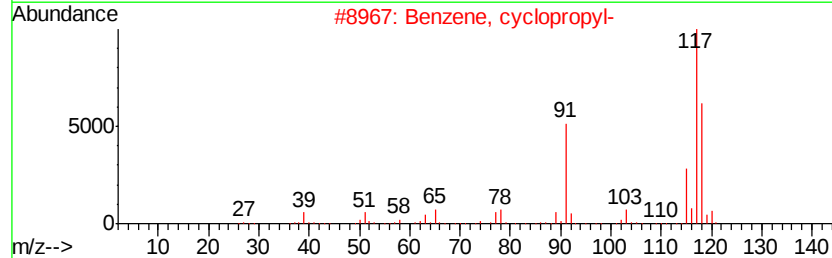
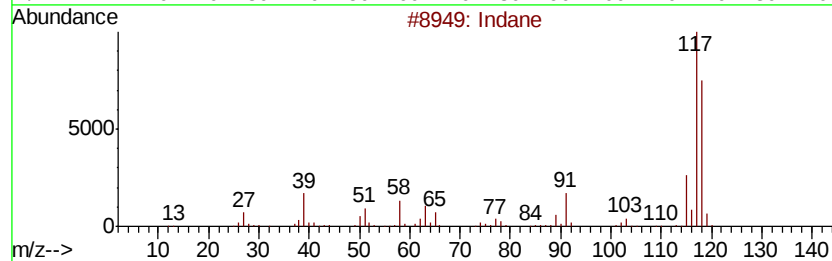
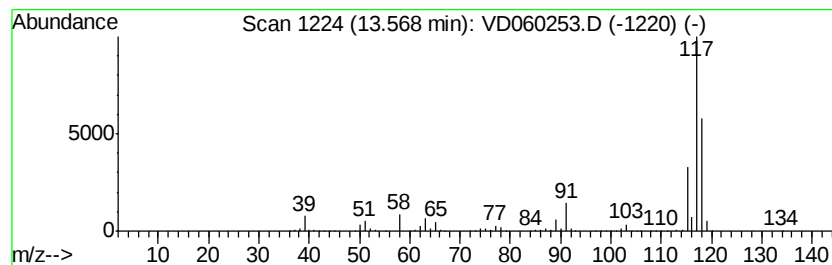
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Indane Concentration Rank 1

| R.T.      | EstConc                          | Area    | Relative to ISTD       | R.T.         |      |
|-----------|----------------------------------|---------|------------------------|--------------|------|
| 13.57     | 88.23 ug/l                       | 8240670 | 1,4-Dichlorobenzene-d4 | 13.38        |      |
| Hit# of 5 | Tentative ID                     | MW      | MolForm                | CAS#         | Qual |
| 1         | Indane                           | 118     | C9H10                  | 000496-11-7  | 91   |
| 2         | Benzene, cyclopropyl-            | 118     | C9H10                  | 000873-49-4  | 83   |
| 3         | Deltacyclene                     | 118     | C9H10                  | 007785-10-6  | 80   |
| 4         | Tetracyclo[3.3.1.0(2,8).0(4,6)]- | 118     | C9H10                  | 1000191-13-7 | 80   |
| 5         | Benzene, 1-ethenyl-4-methyl-     | 118     | C9H10                  | 000622-97-9  | 72   |



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ClientSampleId :  
RBR-200036

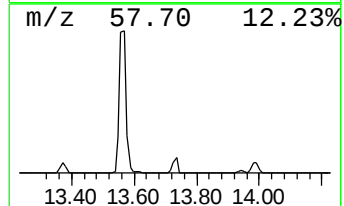
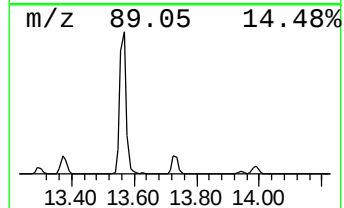
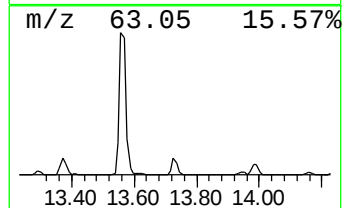
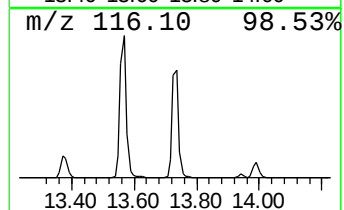
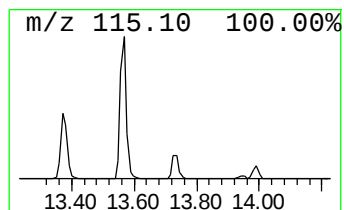
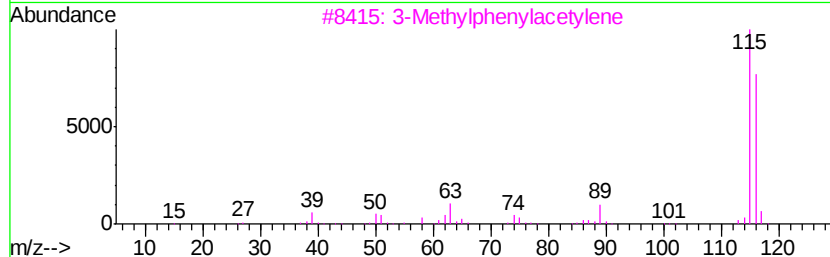
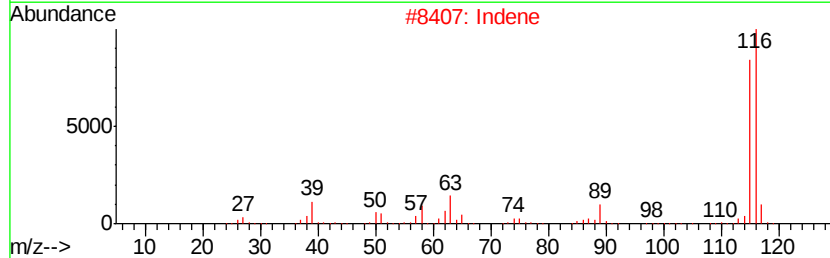
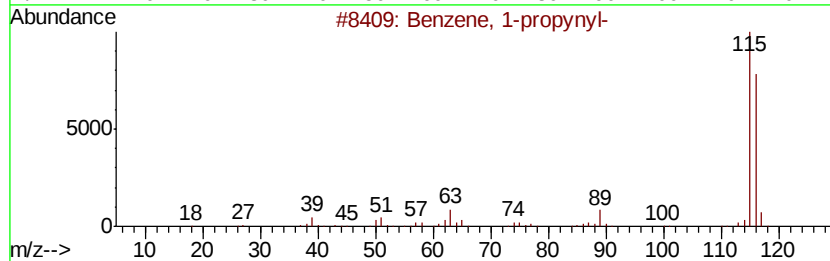
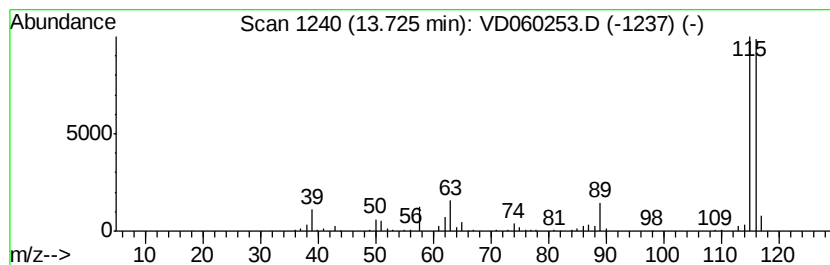
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Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-propynyl- Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.73 | 5.35 ug/l | 500063 | 1,4-Dichlorobenzene-d4 | 13.38 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-propynyl-      | 116 | C9H8    | 000673-32-5 | 94   |
| 2    |    | Indene                    | 116 | C9H8    | 000095-13-6 | 94   |
| 3    |    | 3-Methylphenylacetylene   | 116 | C9H8    | 000766-82-5 | 91   |
| 4    |    | 2-Methylphenylacetylene   | 116 | C9H8    | 000766-47-2 | 91   |
| 5    |    | Benzene, 1,2-propadienyl- | 116 | C9H8    | 002327-99-3 | 90   |



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Misc : 5.63g/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

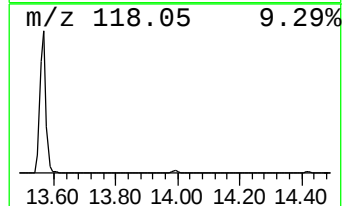
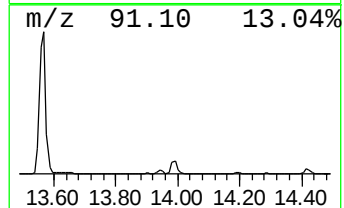
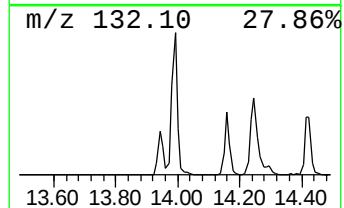
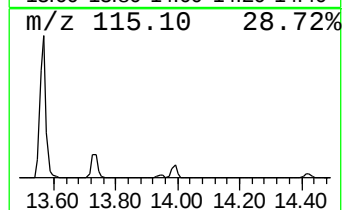
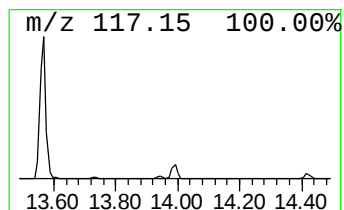
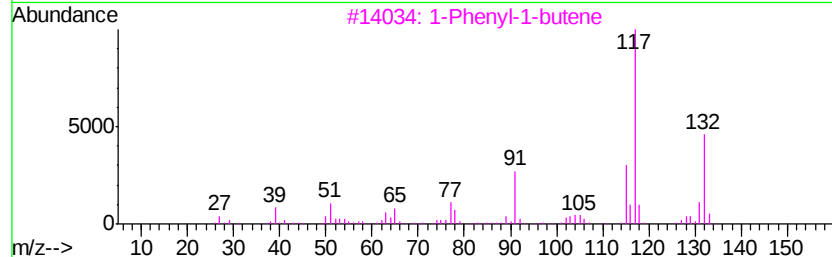
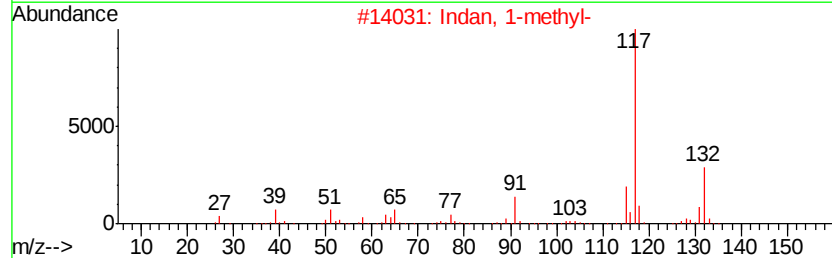
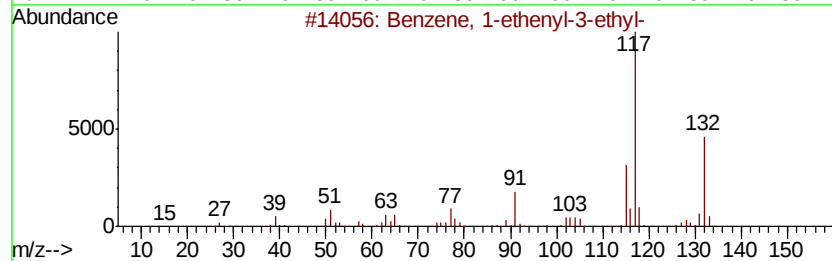
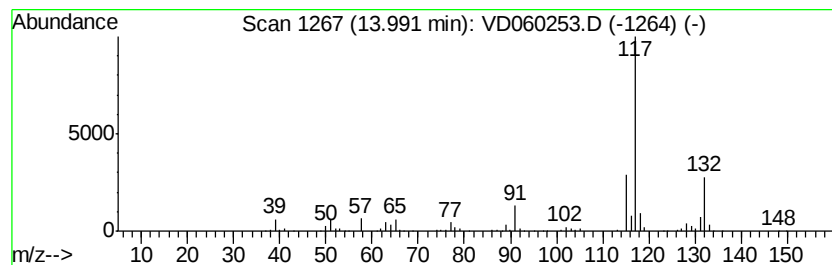
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MSVOA\_D  
ClientSampleId :  
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Quant Title : SW846 8260

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

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

| R.T.    | EstConc   | Area                            | Relative to ISTD       | R.T.           |
|---------|-----------|---------------------------------|------------------------|----------------|
| 13.99   | 8.00 ug/l | 747344                          | 1,4-Dichlorobenzene-d4 | 13.38          |
| Hit# of | 5         | Tentative ID                    | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, 1-ethenyl-3-ethyl-     | 132 C10H12             | 007525-62-4 90 |
| 2       |           | Indan, 1-methyl-                | 132 C10H12             | 000767-58-8 87 |
| 3       |           | 1-Phenyl-1-butene               | 132 C10H12             | 000824-90-8 87 |
| 4       |           | Benzene, 1-ethenyl-4-ethyl-     | 132 C10H12             | 003454-07-7 87 |
| 5       |           | Benzene, (2-methyl-2-propenyl)- | 132 C10H12             | 003290-53-7 87 |



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ALS Vial : 15 Sample Multiplier: 1

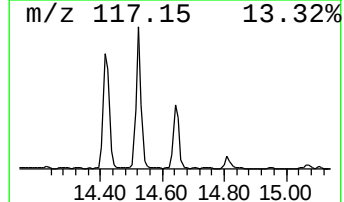
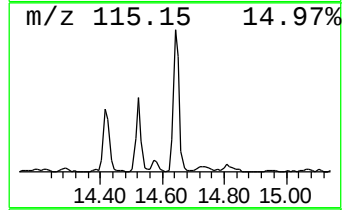
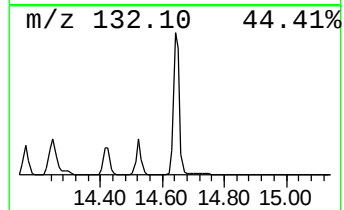
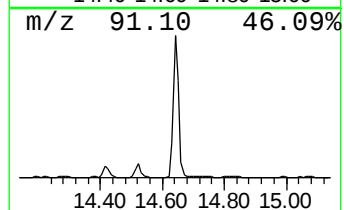
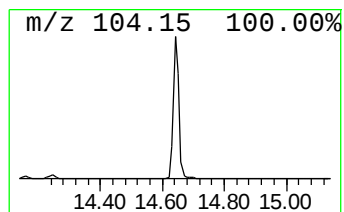
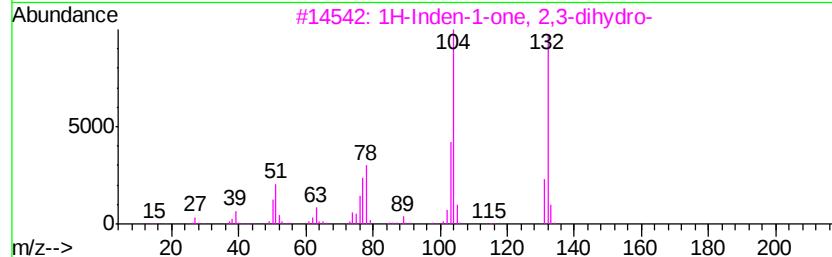
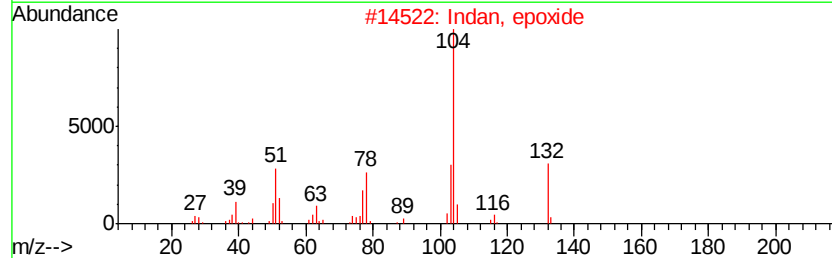
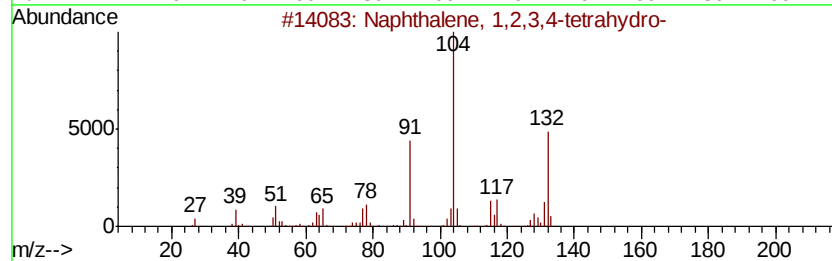
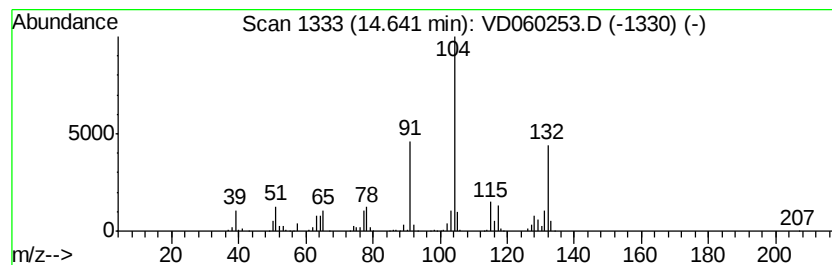
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.64   | 15.05 ug/l | 1405170                             | 1,4-Dichlorobenzene-d4 | 13.38          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-    | 132 C10H12             | 000119-64-2 97 |
| 2       |            | Indan, epoxide                      | 132 C9H8O              | 000768-22-9 58 |
| 3       |            | 1H-Inden-1-one, 2,3-dihydro-        | 132 C9H8O              | 000083-33-0 46 |
| 4       |            | 2H-Inden-2-one, 1,3-dihydro-        | 132 C9H8O              | 000615-13-4 42 |
| 5       |            | 3(2H)-Furanone, dihydro-2,2-dime... | 190 C12H14O2           | 063678-00-2 38 |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Indane               | 13.57 | 88.2    | ug/l  | 8240670  | 4                     | 13.38 | 4669800 | 50.0 |
| Benzene, 1-propynyl- | 13.73 | 5.3     | ug/l  | 500063   | 4                     | 13.38 | 4669800 | 50.0 |
| Benzene, 1-etheny... | 13.99 | 8.0     | ug/l  | 747344   | 4                     | 13.38 | 4669800 | 50.0 |
| Naphthalene, 1,2,... | 14.64 | 15.1    | ug/l  | 1405170  | 4                     | 13.38 | 4669800 | 50.0 |