

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\  
 Data File : VD059491.D  
 Acq On : 29 Jun 2018 14:56  
 Operator : VA/AP  
 Sample : J3248-07  
 Misc : 6.67g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

## 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\82D062518S.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         | 1.208       | 92            | 100         | 103          | rBV      | 1120776        | 2907911       | 74.17%          | 14.423%       |
| 2         | 1.257       | 103           | 105         | 124          | rVB      | 1355914        | 3920542       | 100.00%         | 19.446%       |
| 3         | 2.596       | 238           | 241         | 251          | rVB      | 26363          | 73258         | 1.87%           | 0.363%        |
| 4         | 3.059       | 283           | 288         | 295          | rVB      | 28306          | 74452         | 1.90%           | 0.369%        |
| 5         | 3.718       | 349           | 355         | 363          | rBV4     | 14720          | 44493         | 1.13%           | 0.221%        |
| 6         | 4.831       | 463           | 468         | 474          | rBV2     | 16145          | 49241         | 1.26%           | 0.244%        |
| 7         | 5.540       | 533           | 540         | 544          | rBV      | 340239         | 884545        | 22.56%          | 4.387%        |
| 8         | 5.628       | 544           | 549         | 566          | rVB      | 593048         | 1636876       | 41.75%          | 8.119%        |
| 9         | 6.002       | 581           | 587         | 602          | rBV      | 225573         | 595758        | 15.20%          | 2.955%        |
| 10        | 6.681       | 650           | 656         | 668          | rBV      | 762270         | 1864658       | 47.56%          | 9.249%        |
| 11        | 8.700       | 855           | 861         | 868          | rBV      | 619910         | 1336288       | 34.08%          | 6.628%        |
| 12        | 10.678      | 1058          | 1062        | 1075         | rBV      | 1042993        | 1921353       | 49.01%          | 9.530%        |
| 13        | 11.929      | 1185          | 1189        | 1197         | rBV      | 836160         | 1208723       | 30.83%          | 5.995%        |
| 14        | 12.086      | 1201          | 1205        | 1209         | rBV      | 28751          | 51256         | 1.31%           | 0.254%        |
| 15        | 12.903      | 1285          | 1288        | 1297         | rBV      | 1419780        | 1753809       | 44.73%          | 8.699%        |
| 16        | 14.065      | 1403          | 1406        | 1408         | rBV      | 86882          | 115009        | 2.93%           | 0.570%        |
| 17        | 14.193      | 1416          | 1419        | 1424         | rVB4     | 36538          | 73510         | 1.87%           | 0.365%        |
| 18        | 14.321      | 1424          | 1432        | 1435         | rBV3     | 42373          | 131174        | 3.35%           | 0.651%        |
| 19        | 14.390      | 1435          | 1439        | 1441         | rVB3     | 34245          | 59482         | 1.52%           | 0.295%        |
| 20        | 14.567      | 1453          | 1457        | 1459         | rVB3     | 72881          | 113260        | 2.89%           | 0.562%        |
| 21        | 14.626      | 1459          | 1463        | 1468         | rBV3     | 75371          | 157438        | 4.02%           | 0.781%        |
| 22        | 14.724      | 1472          | 1473        | 1475         | rVV      | 45354          | 52106         | 1.33%           | 0.258%        |
| 23        | 14.862      | 1484          | 1487        | 1489         | rBV3     | 53650          | 92659         | 2.36%           | 0.460%        |
| 24        | 14.892      | 1489          | 1490        | 1495         | rVB      | 105574         | 121232        | 3.09%           | 0.601%        |
| 25        | 14.961      | 1495          | 1497        | 1499         | rBV      | 60712          | 78251         | 2.00%           | 0.388%        |
| 26        | 15.000      | 1499          | 1501        | 1504         | rBV      | 57851          | 87563         | 2.23%           | 0.434%        |
| 27        | 15.098      | 1508          | 1511        | 1514         | rBV      | 119526         | 171475        | 4.37%           | 0.851%        |
| 28        | 15.226      | 1520          | 1524        | 1527         | rBV2     | 113178         | 212806        | 5.43%           | 1.056%        |
| 29        | 15.276      | 1527          | 1529        | 1531         | rVV3     | 45166          | 63461         | 1.62%           | 0.315%        |
| 30        | 15.345      | 1534          | 1536        | 1538         | rVV3     | 36640          | 45257         | 1.15%           | 0.224%        |
| 31        | 15.394      | 1538          | 1541        | 1543         | rVV4     | 44848          | 90159         | 2.30%           | 0.447%        |
| 32        | 15.433      | 1543          | 1545        | 1547         | rVV3     | 31079          | 43861         | 1.12%           | 0.218%        |
| 33        | 15.482      | 1547          | 1550        | 1554         | rVV2     | 49554          | 73250         | 1.87%           | 0.363%        |
| 34        | 15.738      | 1572          | 1576        | 1578         | rBV2     | 33390          | 56194         | 1.43%           | 0.279%        |

## LSC Area Percent Report

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

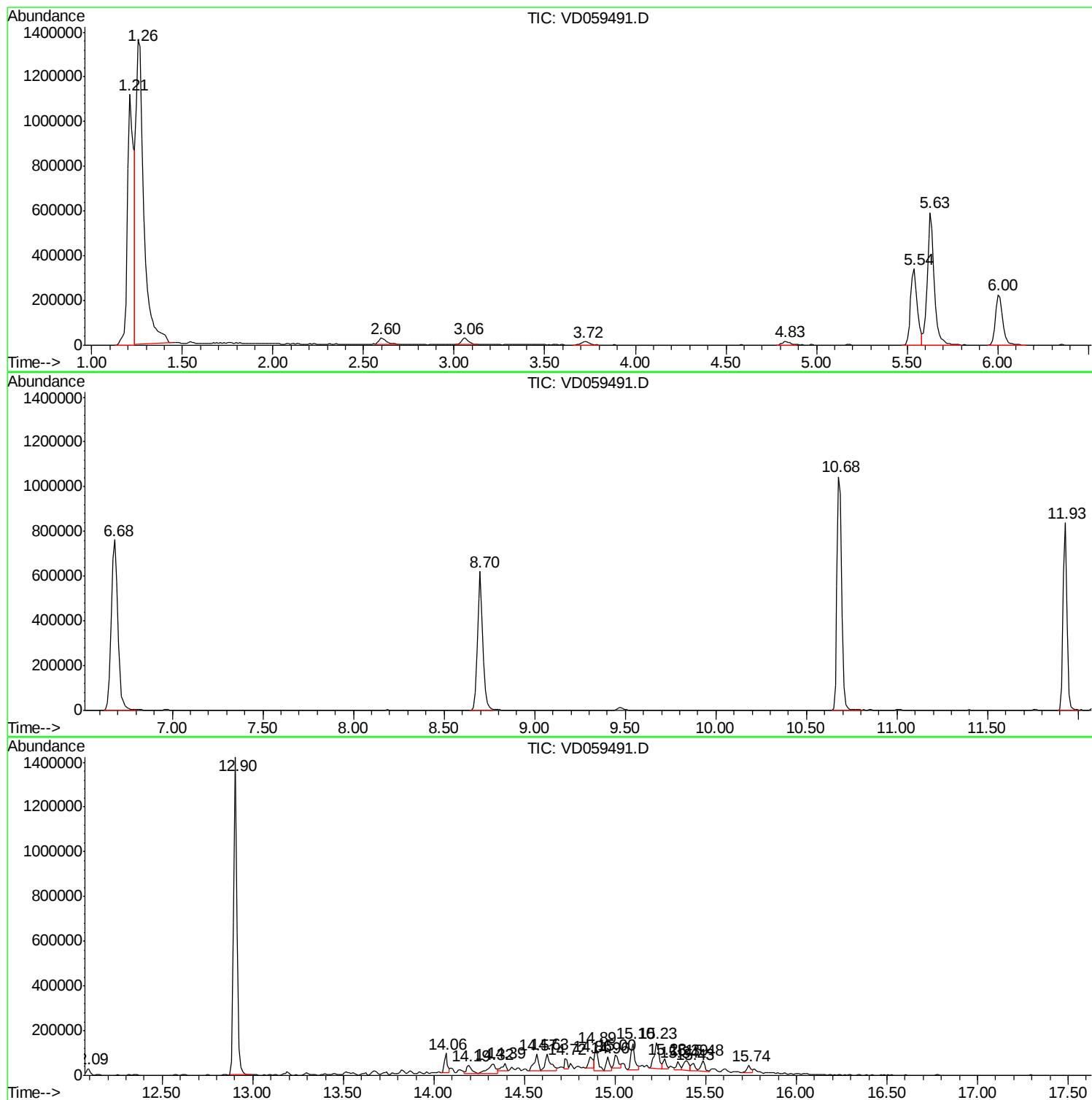
Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D062518S.M  
Title : SW846 8260

Sum of corrected areas: 20161310

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D062518S.M  
Quant Title : SW846 8260

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



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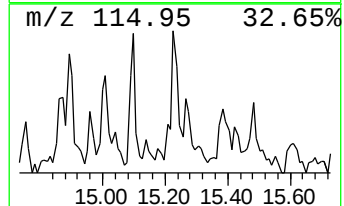
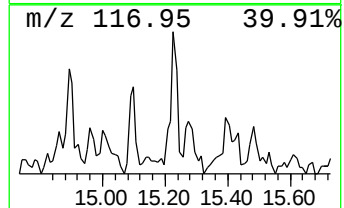
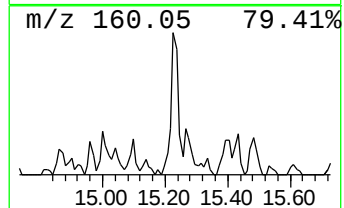
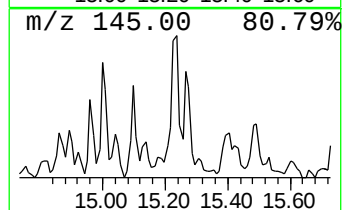
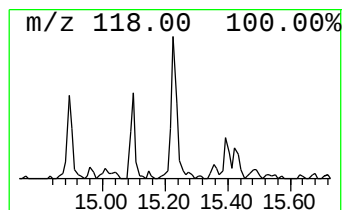
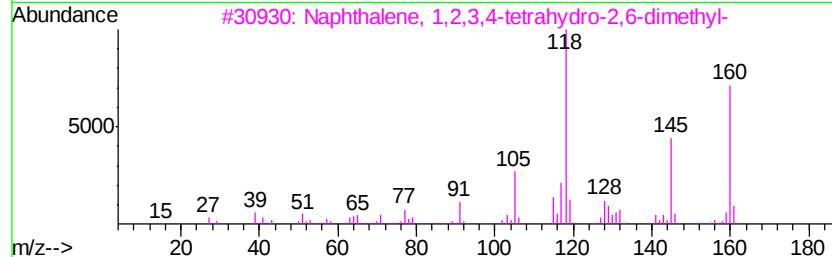
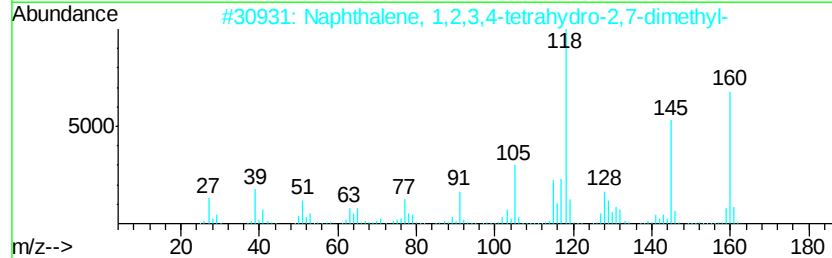
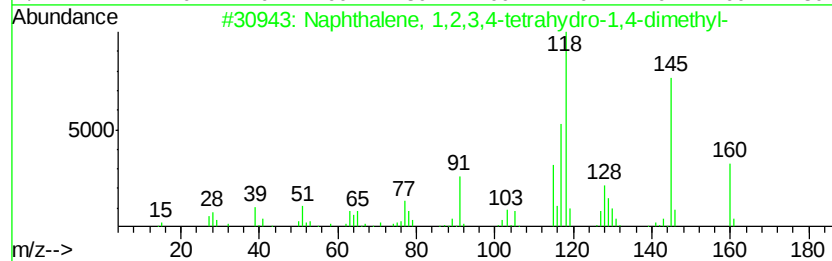
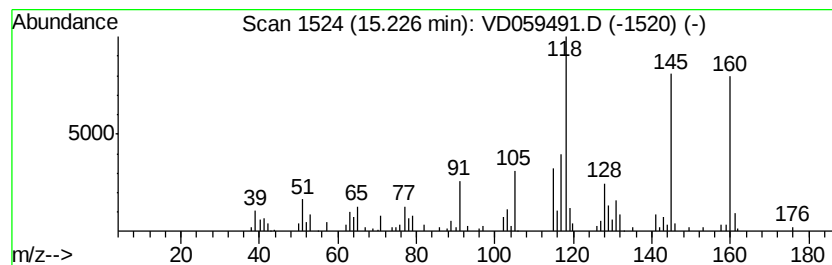
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.23 | 6.07 ug/l | 212806 | 1,4-Dichlorobenzene-d4 | 12.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 004175-54-6 | 93   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 013065-07-1 | 76   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 007524-63-2 | 68   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 001076-61-5 | 53   |
| 5    |    | Benzene, 4-chloro-2-fluoro-1-met... | 160 | C7H6ClFO | 000452-09-5 | 52   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Naphthalene, 1,2,... | 15.23 | 6.1     | ug/l  | 212806   | 4                     | 12.90 | 1753810 | 50.0 |