

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
 Data File : VD061608.D  
 Acq On : 5 Apr 2019 7:04  
 Operator : VA/AP  
 Sample : K2193-01  
 Misc : 5.65g/5ml/MSVOA D/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HR-06-040319-A

## 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\82D032719S.M  
 Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 1.505    | 5          | 8        | 17        | rVB   | 197817      | 623117     | 52.86%       | 3.230%     |
| 2      | 2.194    | 75         | 78       | 89        | rVB   | 18899       | 46235      | 3.92%        | 0.240%     |
| 3      | 3.208    | 176        | 181      | 187       | rBV   | 14912       | 41749      | 3.54%        | 0.216%     |
| 4      | 3.799    | 235        | 241      | 249       | rBV   | 22602       | 63870      | 5.42%        | 0.331%     |
| 5      | 6.899    | 549        | 556      | 563       | rBV   | 95221       | 266669     | 22.62%       | 1.382%     |
| 6      | 7.018    | 563        | 568      | 579       | rVB   | 93141       | 261630     | 22.20%       | 1.356%     |
| 7      | 7.431    | 603        | 610      | 622       | rBB   | 72666       | 208808     | 17.71%       | 1.082%     |
| 8      | 8.189    | 681        | 687      | 699       | rBV   | 137814      | 349281     | 29.63%       | 1.811%     |
| 9      | 10.384   | 905        | 910      | 916       | rBB   | 37030       | 81978      | 6.95%        | 0.425%     |
| 10     | 12.343   | 1106       | 1109     | 1117      | rVV   | 133970      | 218701     | 18.55%       | 1.134%     |
| 11     | 12.619   | 1133       | 1137     | 1140      | rBV4  | 6474        | 16103      | 1.37%        | 0.083%     |
| 12     | 12.678   | 1140       | 1143     | 1146      | rVV   | 17860       | 32331      | 2.74%        | 0.168%     |
| 13     | 12.737   | 1146       | 1149     | 1153      | rVB   | 11313       | 17597      | 1.49%        | 0.091%     |
| 14     | 12.983   | 1170       | 1174     | 1177      | rBV2  | 34916       | 68184      | 5.78%        | 0.353%     |
| 15     | 13.033   | 1177       | 1179     | 1181      | rVV3  | 14321       | 20232      | 1.72%        | 0.105%     |
| 16     | 13.072   | 1181       | 1183     | 1187      | rVV2  | 21594       | 38722      | 3.28%        | 0.201%     |
| 17     | 13.131   | 1187       | 1189     | 1191      | rVV   | 9665        | 13116      | 1.11%        | 0.068%     |
| 18     | 13.200   | 1191       | 1196     | 1200      | rVV2  | 58924       | 120207     | 10.20%       | 0.623%     |
| 19     | 13.288   | 1200       | 1205     | 1213      | rVV3  | 68403       | 205864     | 17.46%       | 1.067%     |
| 20     | 13.387   | 1213       | 1215     | 1218      | rVV2  | 19066       | 31647      | 2.68%        | 0.164%     |
| 21     | 13.466   | 1218       | 1223     | 1226      | rVV3  | 38959       | 107372     | 9.11%        | 0.557%     |
| 22     | 13.535   | 1226       | 1230     | 1234      | rVV2  | 249855      | 437361     | 37.10%       | 2.267%     |
| 23     | 13.594   | 1234       | 1236     | 1239      | rVV3  | 23549       | 50108      | 4.25%        | 0.260%     |
| 24     | 13.653   | 1239       | 1242     | 1244      | rVV   | 57463       | 100587     | 8.53%        | 0.521%     |
| 25     | 13.692   | 1244       | 1246     | 1254      | rVV3  | 79683       | 167632     | 14.22%       | 0.869%     |
| 26     | 13.810   | 1254       | 1258     | 1261      | rVV3  | 47357       | 113127     | 9.60%        | 0.586%     |
| 27     | 13.869   | 1261       | 1264     | 1266      | rVV2  | 81868       | 170660     | 14.48%       | 0.885%     |
| 28     | 13.919   | 1266       | 1269     | 1271      | rVV2  | 180485      | 335523     | 28.46%       | 1.739%     |
| 29     | 13.958   | 1271       | 1273     | 1276      | rVV   | 77197       | 130911     | 11.11%       | 0.679%     |
| 30     | 14.007   | 1276       | 1278     | 1280      | rVV3  | 33177       | 57839      | 4.91%        | 0.300%     |
| 31     | 14.066   | 1280       | 1284     | 1286      | rVV   | 113361      | 242466     | 20.57%       | 1.257%     |
| 32     | 14.106   | 1286       | 1288     | 1290      | rVV   | 109742      | 180811     | 15.34%       | 0.937%     |
| 33     | 14.155   | 1290       | 1293     | 1294      | rVV2  | 60461       | 122780     | 10.42%       | 0.636%     |
| 34     | 14.184   | 1294       | 1296     | 1299      | rVV   | 156963      | 255493     | 21.67%       | 1.324%     |

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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\82D032719S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 14.243 | 1299 | 1302 | 1307 | rVV4 | 83329  | 232984  | 19.77%  | 1.208% |
| 36 | 14.312 | 1307 | 1309 | 1311 | rVV2 | 62764  | 122584  | 10.40%  | 0.635% |
| 37 | 14.361 | 1311 | 1314 | 1318 | rVV3 | 94275  | 259165  | 21.99%  | 1.343% |
| 38 | 14.421 | 1318 | 1320 | 1323 | rVV2 | 206969 | 371837  | 31.54%  | 1.928% |
| 39 | 14.470 | 1323 | 1325 | 1326 | rVV3 | 90964  | 156819  | 13.30%  | 0.813% |
| 40 | 14.499 | 1326 | 1328 | 1330 | rVV  | 371806 | 566442  | 48.05%  | 2.936% |
| 41 | 14.549 | 1330 | 1333 | 1336 | rVV  | 679674 | 1042795 | 88.47%  | 5.406% |
| 42 | 14.608 | 1336 | 1339 | 1343 | rVV4 | 90807  | 290779  | 24.67%  | 1.507% |
| 43 | 14.696 | 1343 | 1348 | 1349 | rVV2 | 129094 | 278697  | 23.64%  | 1.445% |
| 44 | 14.716 | 1349 | 1350 | 1352 | rVV  | 93874  | 130608  | 11.08%  | 0.677% |
| 45 | 14.765 | 1352 | 1355 | 1357 | rVV  | 469759 | 679430  | 57.64%  | 3.522% |
| 46 | 14.795 | 1357 | 1358 | 1361 | rVV2 | 196984 | 299776  | 25.43%  | 1.554% |
| 47 | 14.834 | 1361 | 1362 | 1365 | rVV  | 121175 | 210257  | 17.84%  | 1.090% |
| 48 | 14.903 | 1365 | 1369 | 1371 | rVV2 | 201274 | 471167  | 39.97%  | 2.442% |
| 49 | 14.932 | 1371 | 1372 | 1374 | rVV  | 122638 | 148902  | 12.63%  | 0.772% |
| 50 | 15.001 | 1374 | 1379 | 1381 | rVV2 | 117327 | 338027  | 28.68%  | 1.752% |
| 51 | 15.041 | 1381 | 1383 | 1385 | rVV  | 301044 | 429466  | 36.43%  | 2.226% |
| 52 | 15.080 | 1385 | 1387 | 1389 | rVV  | 134845 | 222026  | 18.84%  | 1.151% |
| 53 | 15.129 | 1389 | 1392 | 1396 | rVV2 | 301958 | 660374  | 56.02%  | 3.423% |
| 54 | 15.198 | 1396 | 1399 | 1402 | rVV4 | 145288 | 358292  | 30.40%  | 1.857% |
| 55 | 15.257 | 1402 | 1405 | 1408 | rVV2 | 283918 | 561957  | 47.67%  | 2.913% |
| 56 | 15.326 | 1408 | 1412 | 1414 | rVV2 | 173548 | 401944  | 34.10%  | 2.084% |
| 57 | 15.366 | 1414 | 1416 | 1418 | rVV  | 179000 | 254423  | 21.58%  | 1.319% |
| 58 | 15.415 | 1418 | 1421 | 1423 | rVV2 | 245624 | 404623  | 34.33%  | 2.097% |
| 59 | 15.454 | 1423 | 1425 | 1429 | rVV2 | 187223 | 429319  | 36.42%  | 2.226% |
| 60 | 15.513 | 1429 | 1431 | 1435 | rVV3 | 129503 | 332726  | 28.23%  | 1.725% |
| 61 | 15.572 | 1435 | 1437 | 1440 | rVV2 | 110337 | 235152  | 19.95%  | 1.219% |
| 62 | 15.622 | 1440 | 1442 | 1443 | rVV  | 101206 | 154047  | 13.07%  | 0.799% |
| 63 | 15.661 | 1443 | 1446 | 1451 | rVV2 | 587166 | 1178763 | 100.00% | 6.110% |
| 64 | 15.720 | 1451 | 1452 | 1455 | rVV2 | 154369 | 251065  | 21.30%  | 1.301% |
| 65 | 15.779 | 1455 | 1458 | 1463 | rVV2 | 254232 | 574913  | 48.77%  | 2.980% |
| 66 | 15.848 | 1463 | 1465 | 1467 | rVV3 | 69564  | 148088  | 12.56%  | 0.768% |
| 67 | 15.917 | 1467 | 1472 | 1474 | rVV2 | 196687 | 501160  | 42.52%  | 2.598% |
| 68 | 15.986 | 1474 | 1479 | 1481 | rVV2 | 206947 | 500792  | 42.48%  | 2.596% |
| 69 | 16.025 | 1481 | 1483 | 1485 | rVV3 | 68377  | 145284  | 12.33%  | 0.753% |
| 70 | 16.055 | 1485 | 1486 | 1488 | rVV  | 66936  | 87854   | 7.45%   | 0.455% |
| 71 | 16.094 | 1488 | 1490 | 1492 | rVV2 | 63947  | 106897  | 9.07%   | 0.554% |

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MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

## Integration Parameters: RTEINT.P

Integrator: RTE  
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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\82D032719S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 16.133 | 1492 | 1494 | 1495 | rVV2 | 47860  | 71114  | 6.03%  | 0.369% |
| 73 | 16.163 | 1495 | 1497 | 1499 | rVV  | 113409 | 148662 | 12.61% | 0.771% |
| 74 | 16.222 | 1499 | 1503 | 1505 | rVV  | 107325 | 217542 | 18.46% | 1.128% |
| 75 | 16.281 | 1507 | 1509 | 1511 | rVV3 | 18777  | 33768  | 2.86%  | 0.175% |
| 76 | 16.350 | 1514 | 1516 | 1518 | rVV2 | 11632  | 20343  | 1.73%  | 0.105% |
| 77 | 16.389 | 1518 | 1520 | 1524 | rVV5 | 13241  | 25115  | 2.13%  | 0.130% |
| 78 | 16.468 | 1524 | 1528 | 1533 | rVV2 | 18272  | 36184  | 3.07%  | 0.188% |

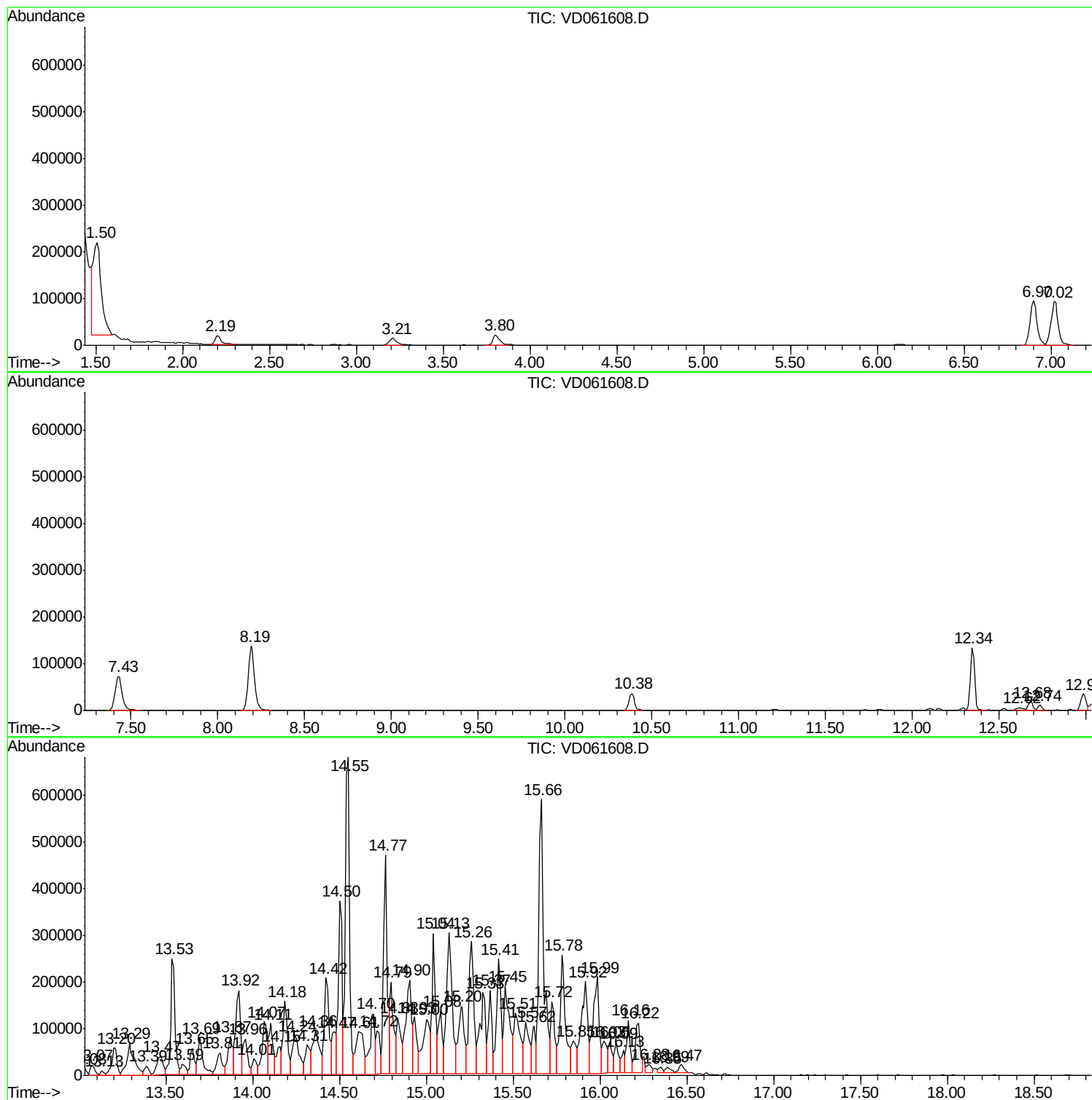
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
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Instrument :  
MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

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



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Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

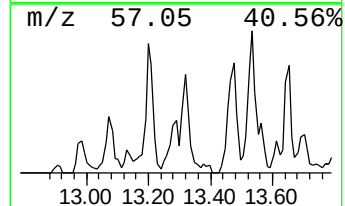
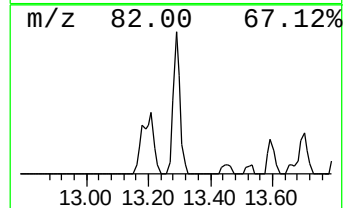
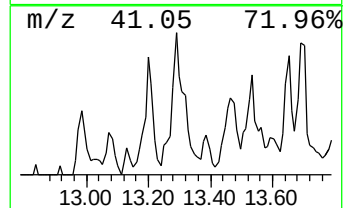
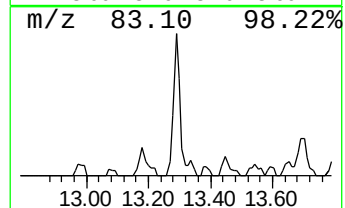
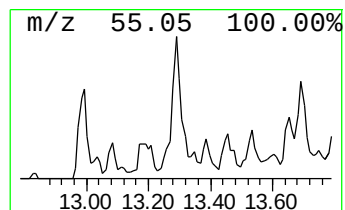
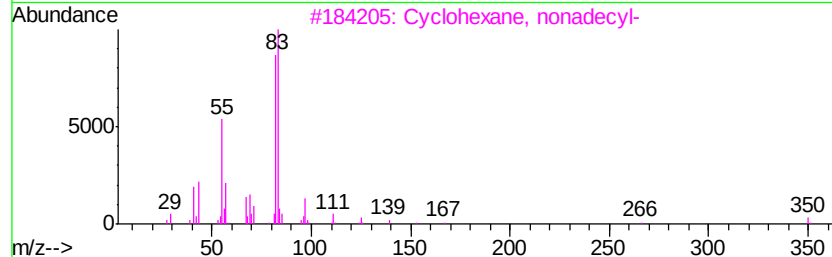
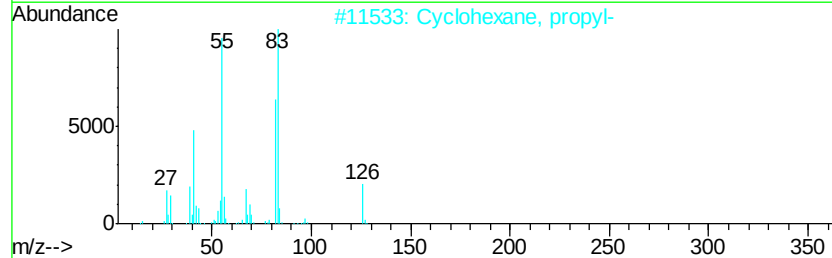
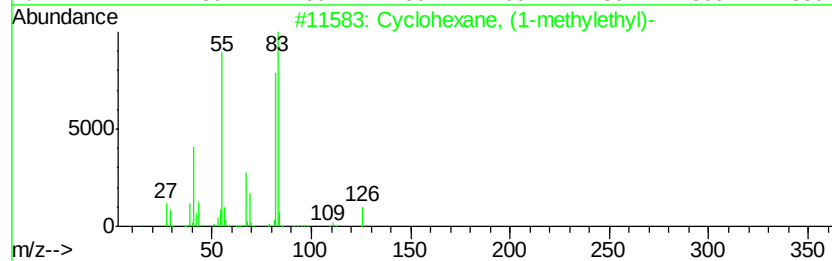
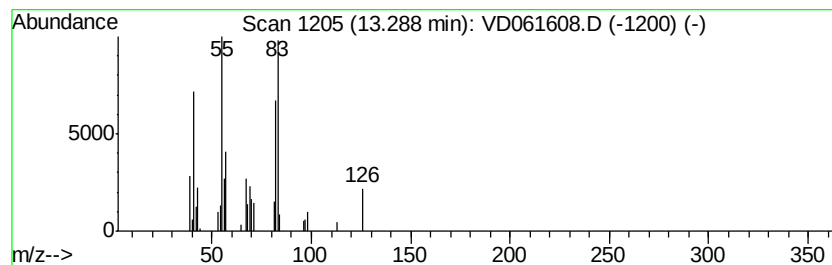
Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Cyclohexane, (1-methylethyl)- Concentration Rank 7

| R.T.    | EstConc    | Area                          | Relative to ISTD | R.T.    |             |      |
|---------|------------|-------------------------------|------------------|---------|-------------|------|
| 13.29   | 47.07 ug/l | 205864                        | Chlorobenzene-d5 | 12.34   |             |      |
| Hit# of | 5          | Tentative ID                  | MW               | MolForm | CAS#        | Qual |
| 1       |            | Cyclohexane, (1-methylethyl)- | 126              | C9H18   | 000696-29-7 | 87   |
| 2       |            | Cyclohexane, propyl-          | 126              | C9H18   | 001678-92-8 | 74   |
| 3       |            | Cyclohexane, nonadecyl-       | 350              | C25H50  | 022349-03-7 | 59   |
| 4       |            | Cyclohexane, tetradecyl-      | 280              | C20H40  | 001795-18-2 | 59   |
| 5       |            | Cyclohexane, octyl-           | 196              | C14H28  | 001795-15-9 | 59   |



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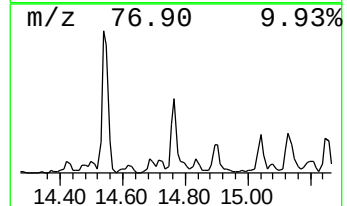
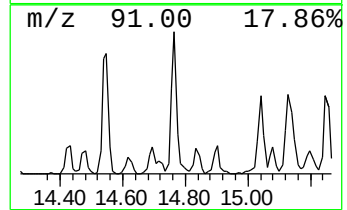
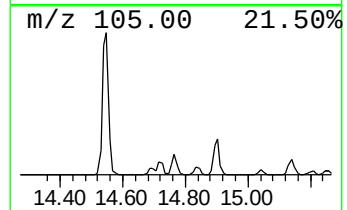
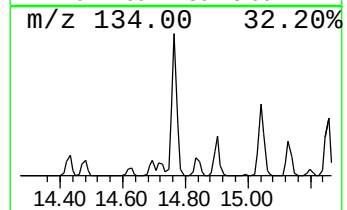
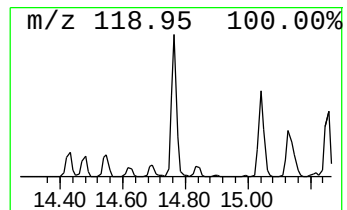
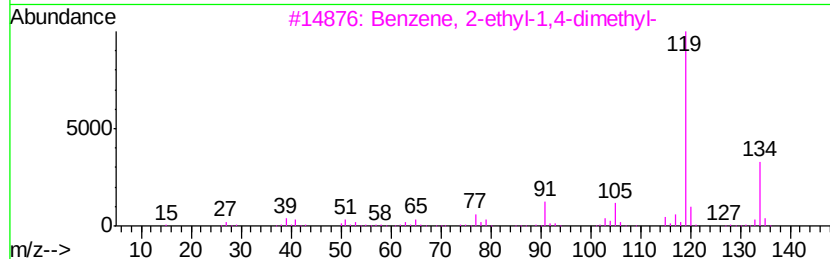
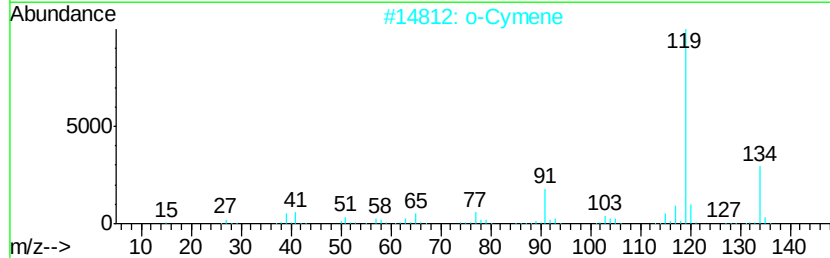
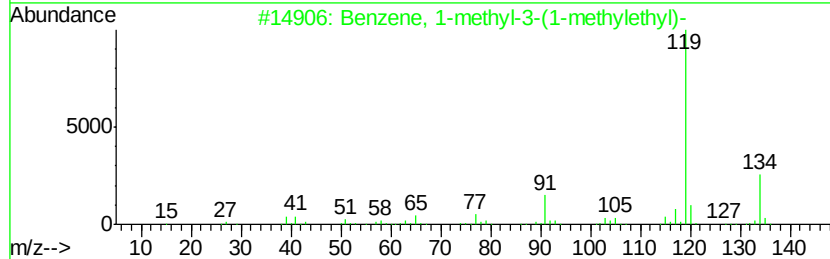
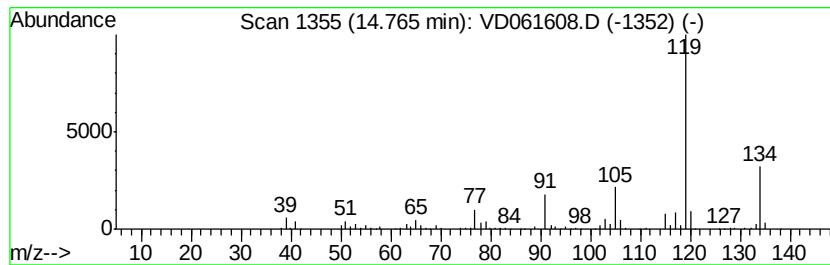
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-methyl-3-(1-meth... Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.77   | 59.97 ug/l                          | 679430       | 1,4-Dichlorobenzene-d4 | 14.50     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14   | 000535-77-3            | 95        |
| 2       | o-Cymene                            | 134 C10H14   | 000527-84-4            | 95        |
| 3       | Benzene, 2-ethyl-1,4-dimethyl-      | 134 C10H14   | 001758-88-9            | 93        |
| 4       | p-Cymene                            | 134 C10H14   | 000099-87-6            | 91        |
| 5       | Benzene, 1-ethyl-2,3-dimethyl-      | 134 C10H14   | 000933-98-2            | 91        |



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Quant Title : SW846 8260

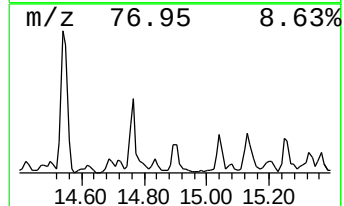
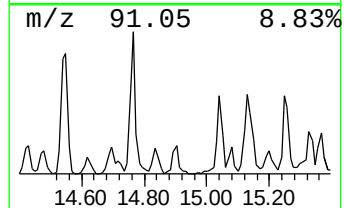
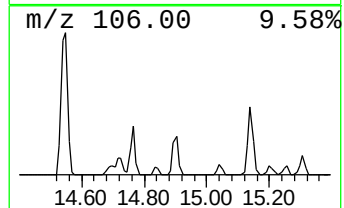
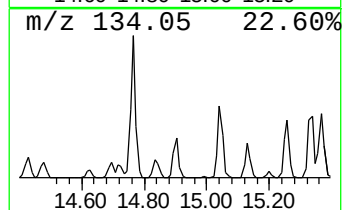
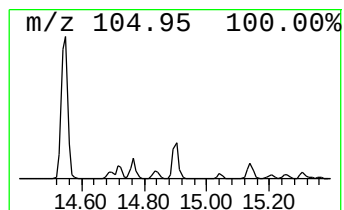
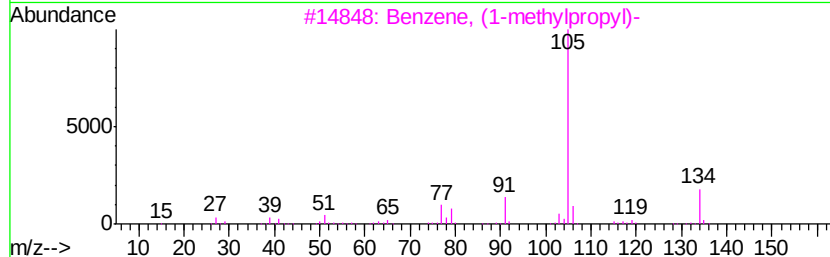
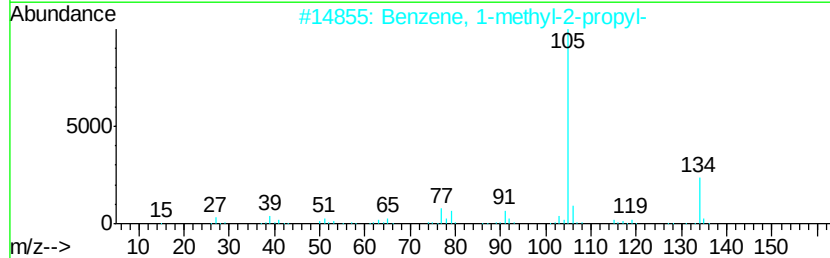
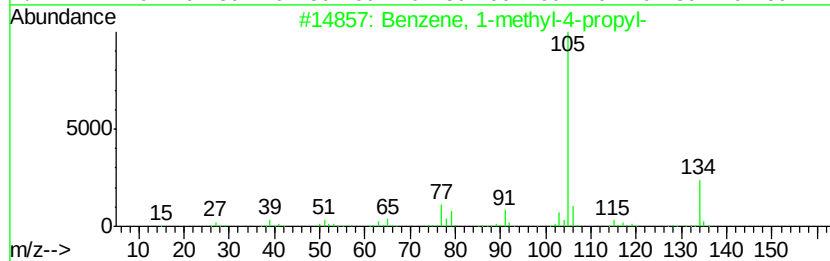
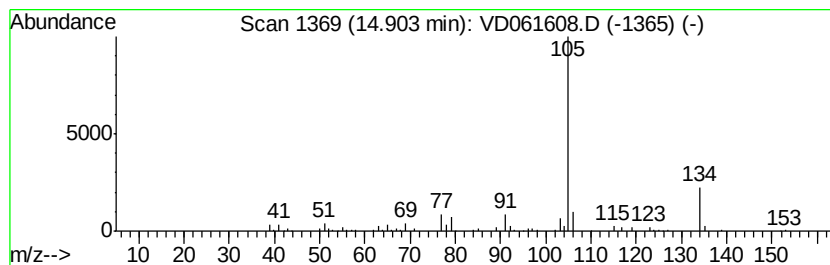
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1-methyl-4-propyl- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.90 | 41.59 ug/l | 471167 | 1,4-Dichlorobenzene-d4 | 14.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-propyl-         | 134 | C10H14  | 001074-55-1 | 94   |
| 2    |    | Benzene, 1-methyl-2-propyl-         | 134 | C10H14  | 001074-17-5 | 93   |
| 3    |    | Benzene, (1-methylpropyl)-          | 134 | C10H14  | 000135-98-8 | 90   |
| 4    |    | Benzene, 1-methyl-3-propyl-         | 134 | C10H14  | 001074-43-7 | 83   |
| 5    |    | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O  | 000093-53-8 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

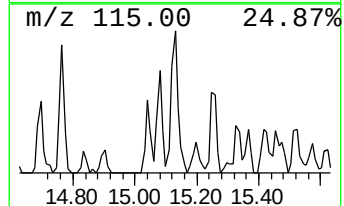
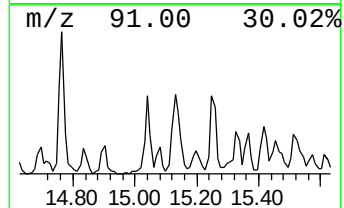
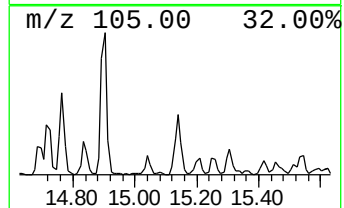
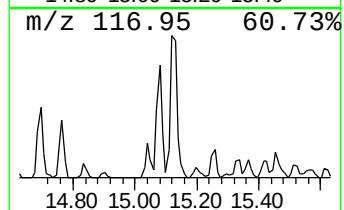
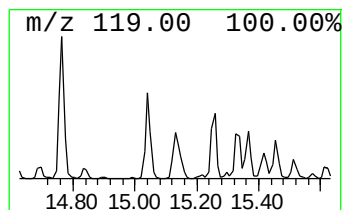
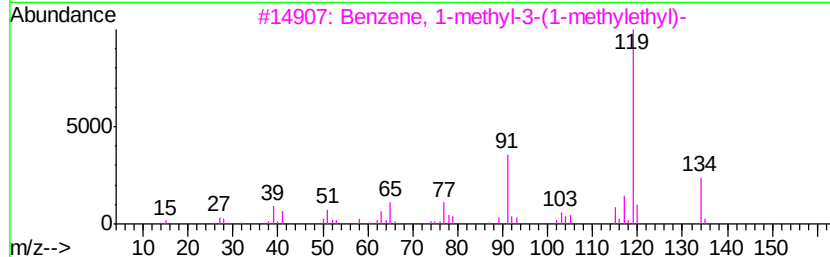
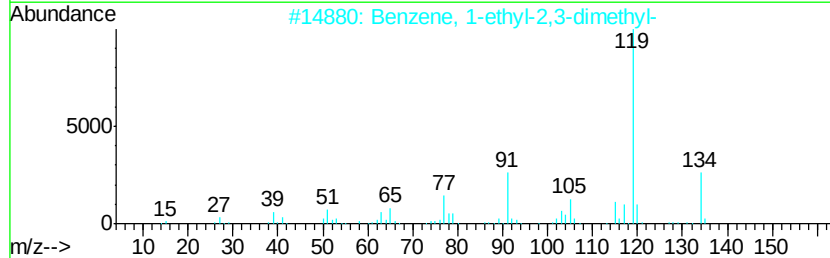
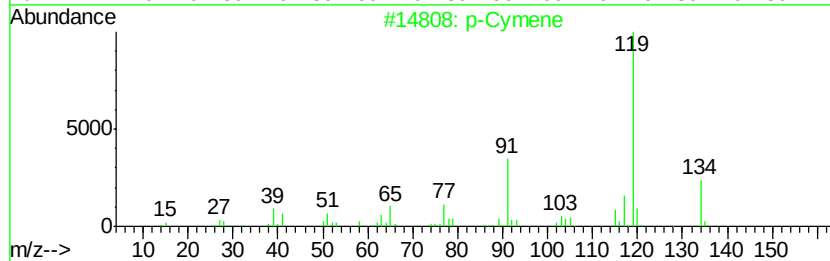
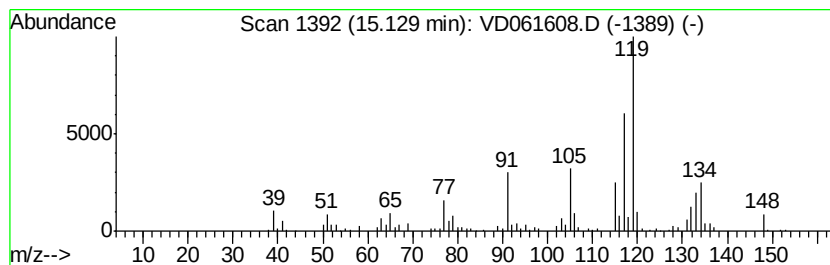
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 p-Cymene Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.13 | 58.29 ug/l | 660374 | 1,4-Dichlorobenzene-d4 | 14.50 |

| Hit# of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------------------|-----|---------|-------------|------|
| 1       | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 55   |
| 2       | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 55   |
| 3       | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 55   |
| 4       | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 53   |
| 5       | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 50   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

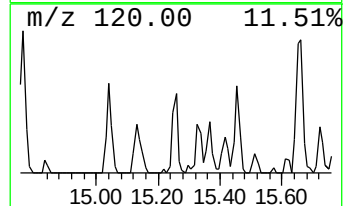
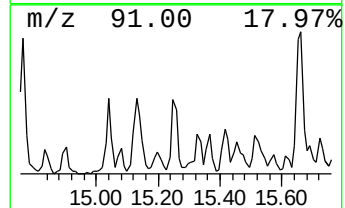
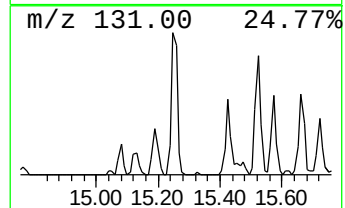
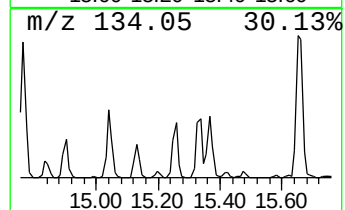
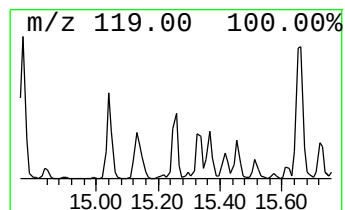
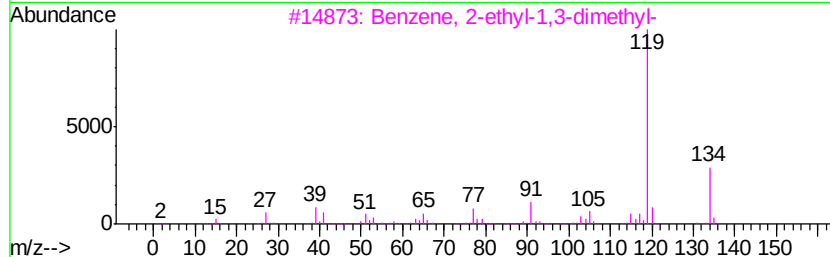
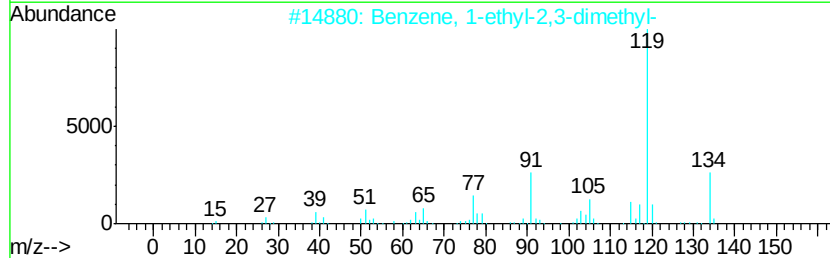
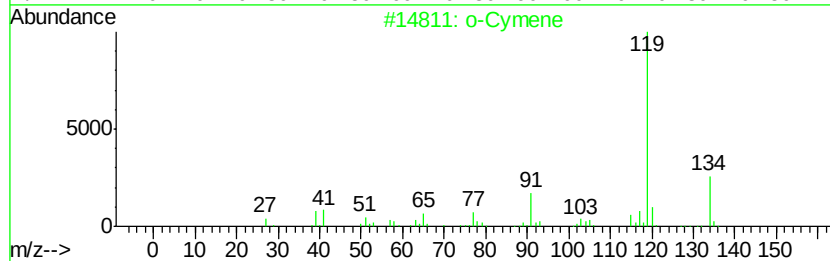
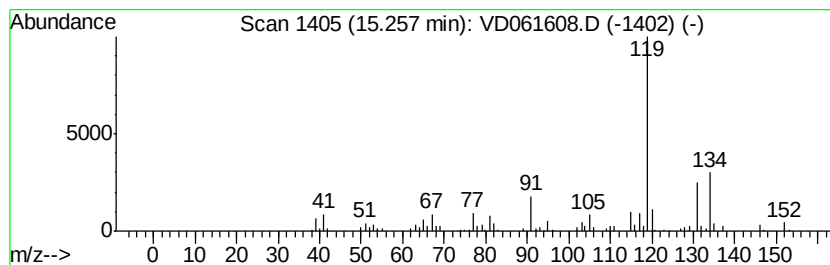
Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 o-Cymene Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.26   | 49.60 ug/l | 561957                              | 1,4-Dichlorobenzene-d4 | 14.50          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | o-Cymene                            | 134 C10H14             | 000527-84-4 94 |
| 2       |            | Benzene, 1-ethyl-2,3-dimethyl-      | 134 C10H14             | 000933-98-2 93 |
| 3       |            | Benzene, 2-ethyl-1,3-dimethyl-      | 134 C10H14             | 002870-04-4 93 |
| 4       |            | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 C10H14             | 076089-59-3 81 |
| 5       |            | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14             | 000095-93-2 81 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

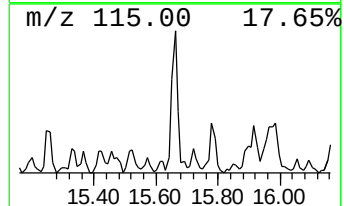
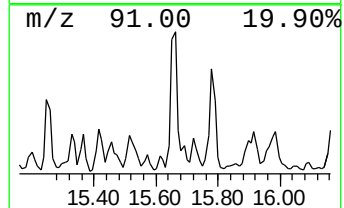
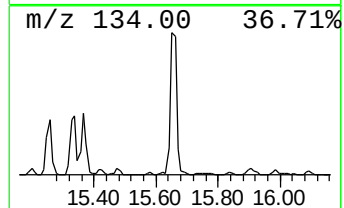
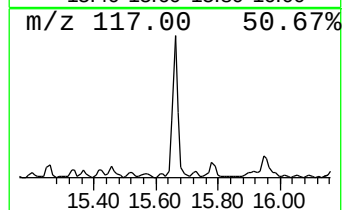
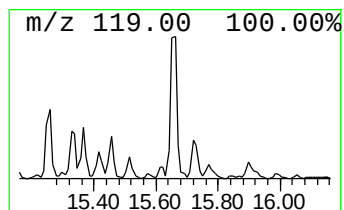
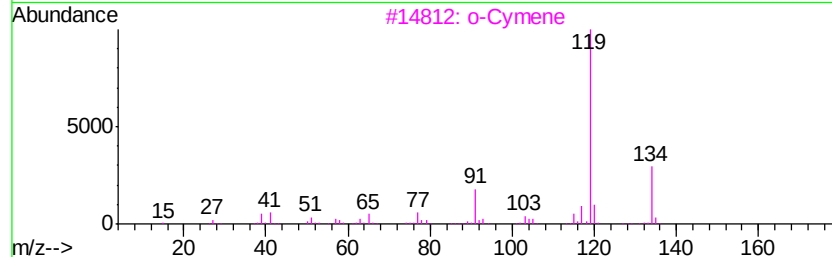
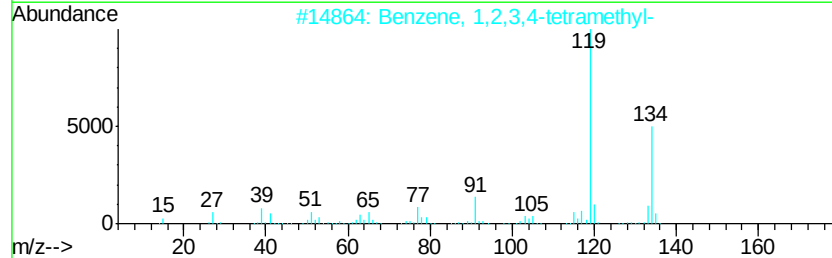
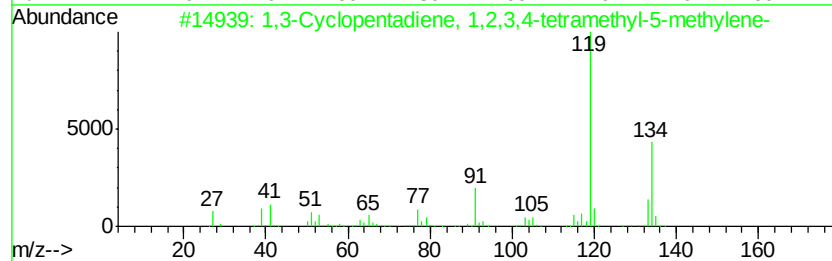
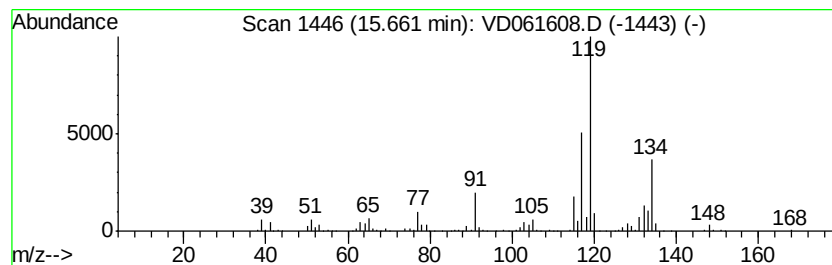
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 15.66 | 104.05 ug/l | 1178760 | 1,4-Dichlorobenzene-d4 | 14.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 70   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 70   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 64   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 64   |
| 5    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

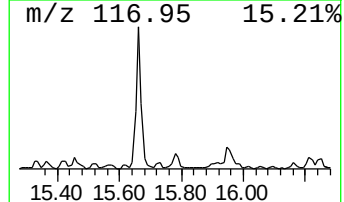
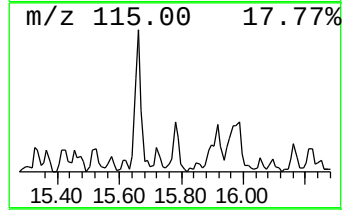
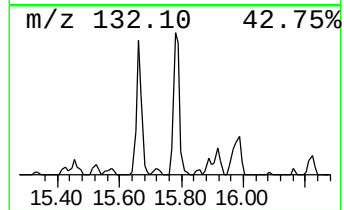
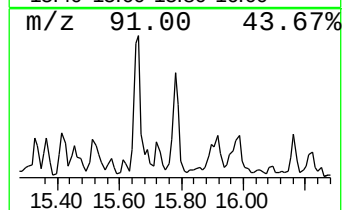
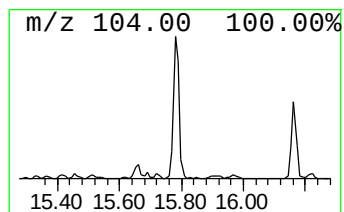
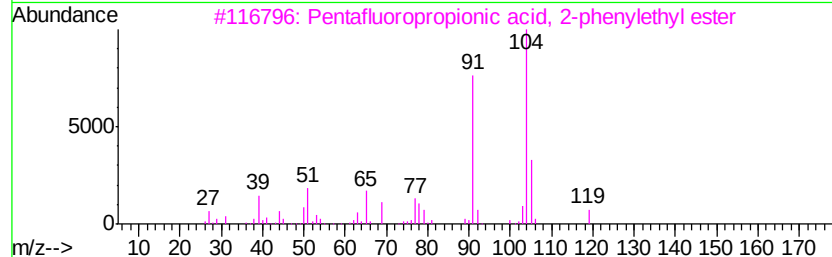
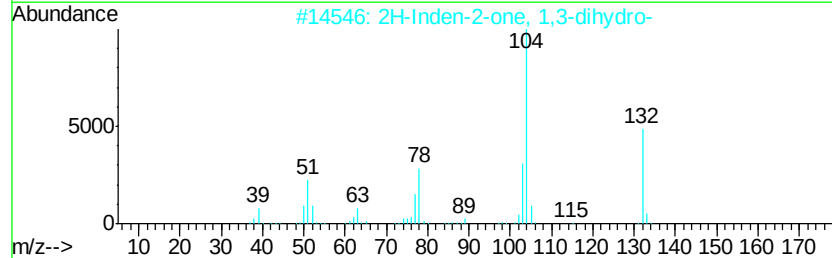
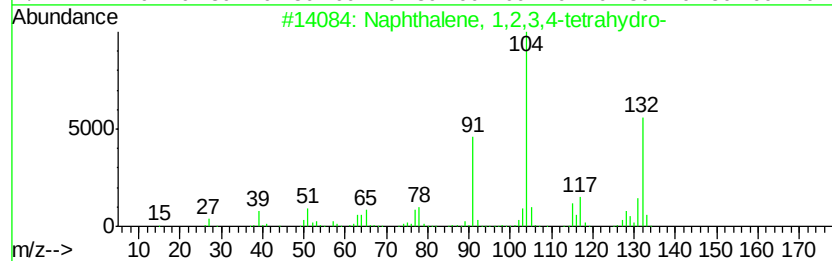
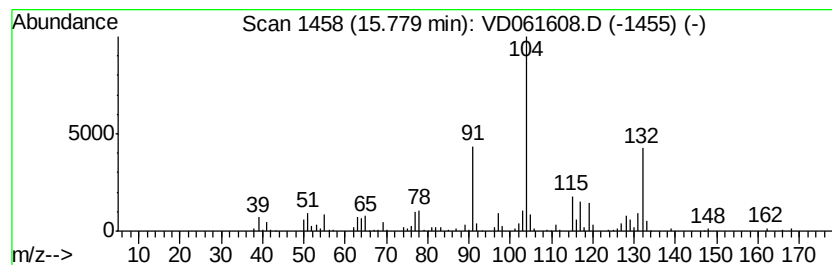
Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

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

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Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 5

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.78   | 50.75 ug/l | 574913                              | 1,4-Dichlorobenzene-d4 | 14.50          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,2,3,4-tetrahydro-    | 132 C10H12             | 000119-64-2 95 |
| 2       |            | 2H-Inden-2-one, 1,3-dihydro-        | 132 C9H8O              | 000615-13-4 52 |
| 3       |            | Pentafluoropropionic acid, 2-phe... | 268 C11H9F5O2          | 081089-48-7 43 |
| 4       |            | Benzene, 3-cyclohexen-1-yl-         | 158 C12H14             | 004994-16-5 43 |
| 5       |            | Isoquinoline, 1,2,3,4-tetrahydro-   | 133 C9H11N             | 000091-21-4 38 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

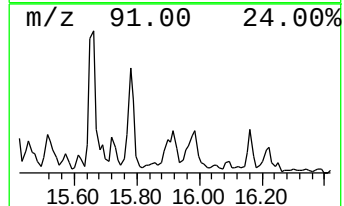
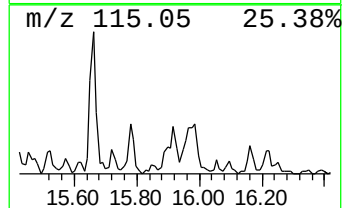
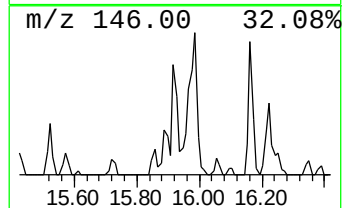
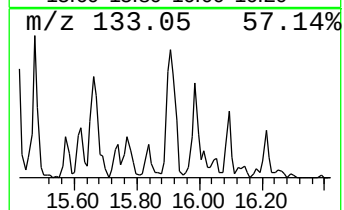
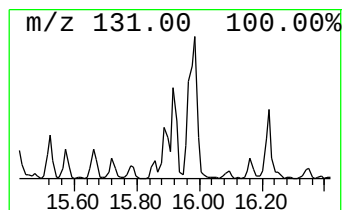
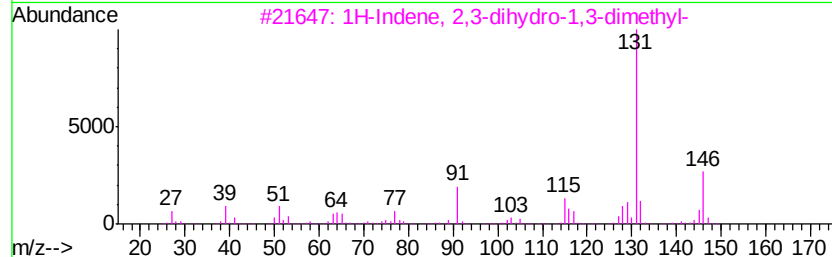
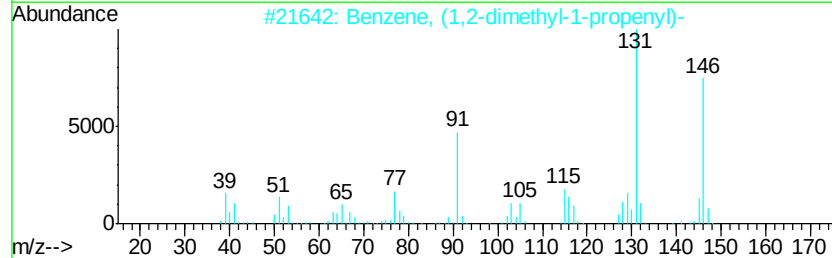
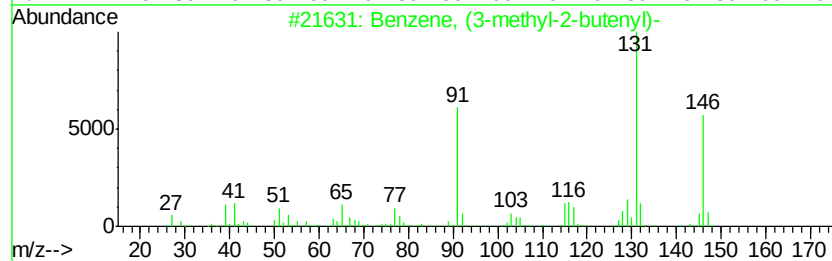
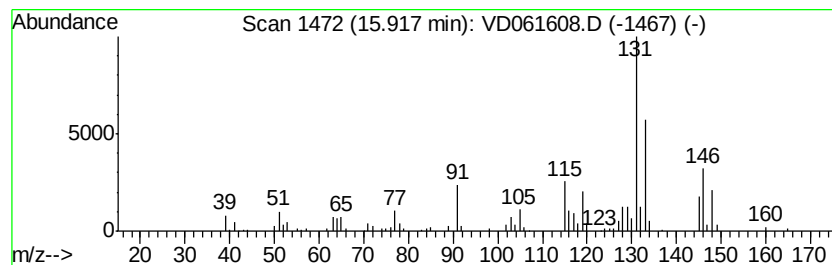
Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.92   | 44.24 ug/l | 501160                              | 1,4-Dichlorobenzene-d4 | 14.50          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (3-methyl-2-butenyl)-      | 146 C11H14             | 004489-84-3 91 |
| 2       |            | Benzene, (1,2-dimethyl-1-propenyl)- | 146 C11H14             | 000769-57-3 90 |
| 3       |            | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 C11H14             | 004175-53-5 90 |
| 4       |            | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 C11H14             | 017057-82-8 70 |
| 5       |            | Benzene, 1-methyl-3-(1-methyl-2-... | 146 C11H14             | 052161-57-6 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260

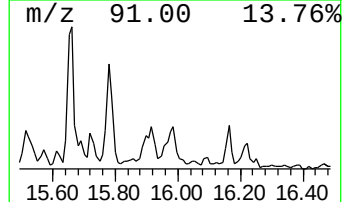
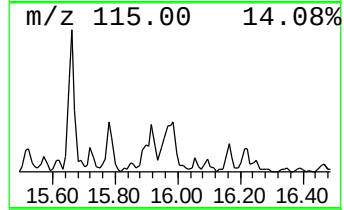
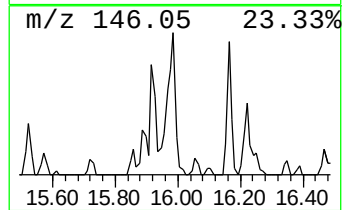
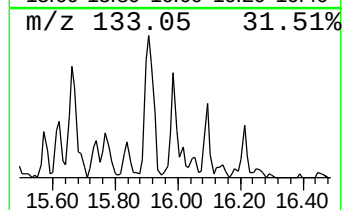
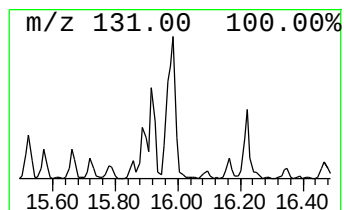
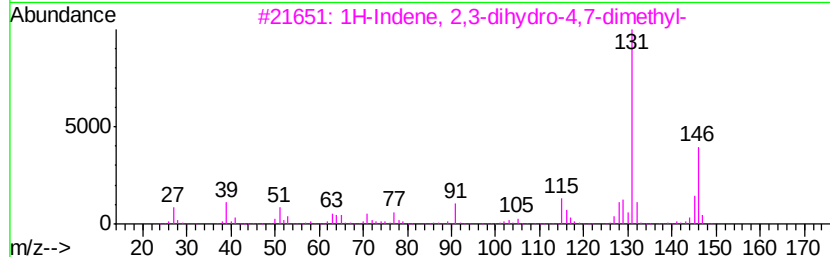
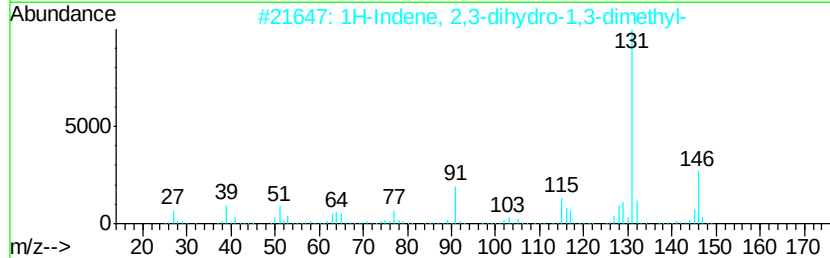
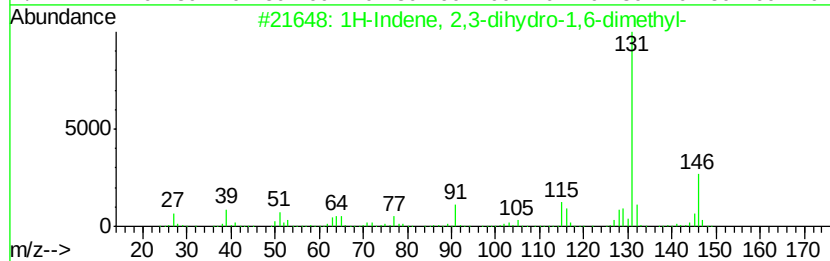
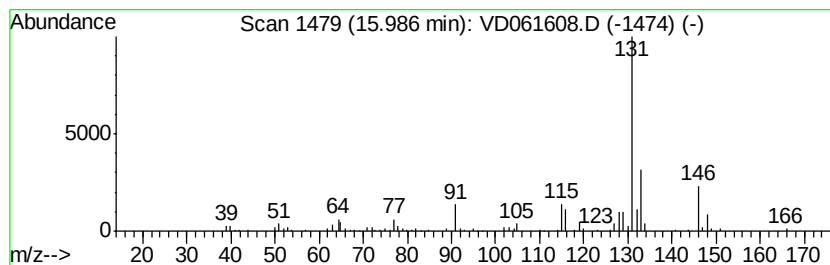
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.99 | 44.21 ug/l | 500792 | 1,4-Dichlorobenzene-d4 | 14.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 93   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 81   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 81   |
| 4    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 81   |
| 5    |    | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14  | 097664-19-2 | 81   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD040419\  
Data File : VD061608.D  
Acq On : 5 Apr 2019 7:04  
Operator : VA/AP  
Sample : K2193-01  
Misc : 5.65g/5ml/MSVOA\_D/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-06-040319-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.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 |
| Cyclohexane, (1-m... | 13.29 | 47.1    | ug/l  | 205864   | 3                     | 12.34 | 218701 | 50.0 |
| Benzene, 1-methyl... | 14.77 | 60.0    | ug/l  | 679430   | 4                     | 14.50 | 566442 | 50.0 |
| Benzene, 1-methyl... | 14.90 | 41.6    | ug/l  | 471167   | 4                     | 14.50 | 566442 | 50.0 |
| p-Cymene             | 15.13 | 58.3    | ug/l  | 660374   | 4                     | 14.50 | 566442 | 50.0 |
| o-Cymene             | 15.26 | 49.6    | ug/l  | 561957   | 4                     | 14.50 | 566442 | 50.0 |
| 1,3-Cyclopentadie... | 15.66 | 104.1   | ug/l  | 1178760  | 4                     | 14.50 | 566442 | 50.0 |
| Naphthalene, 1,2,... | 15.78 | 50.8    | ug/l  | 574913   | 4                     | 14.50 | 566442 | 50.0 |
| Benzene, (3-methy... | 15.92 | 44.2    | ug/l  | 501160   | 4                     | 14.50 | 566442 | 50.0 |
| 1H-Indene, 2,3-di... | 15.99 | 44.2    | ug/l  | 500792   | 4                     | 14.50 | 566442 | 50.0 |