

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
 Data File : VD062691.D  
 Acq On : 13 Jun 2019 13:50  
 Operator : VA/AP  
 Sample : K3285-01  
 Misc : 6.70g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 M-1-OW(0-10)

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\82D060719S.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         | 1.496       | 3             | 7           | 28           | rVB      | 608350         | 2184264       | 56.94%          | 3.180%        |
| 2         | 1.850       | 40            | 43          | 47           | rVB2     | 20700          | 44993         | 1.17%           | 0.065%        |
| 3         | 3.248       | 179           | 185         | 190          | rBV3     | 15108          | 49913         | 1.30%           | 0.073%        |
| 4         | 3.829       | 239           | 244         | 253          | rBV      | 34991          | 102178        | 2.66%           | 0.149%        |
| 5         | 6.939       | 553           | 560         | 567          | rBV2     | 484163         | 1374165       | 35.82%          | 2.000%        |
| 6         | 7.058       | 567           | 572         | 586          | rVB      | 671063         | 1940049       | 50.57%          | 2.824%        |
| 7         | 7.471       | 608           | 614         | 629          | rBV      | 348840         | 990332        | 25.82%          | 1.442%        |
| 8         | 8.229       | 684           | 691         | 706          | rBV      | 789389         | 2017157       | 52.58%          | 2.936%        |
| 9         | 10.424      | 908           | 914         | 921          | rBV      | 965442         | 2196581       | 57.26%          | 3.198%        |
| 10        | 11.241      | 992           | 997         | 1003         | rBV      | 27865          | 69639         | 1.82%           | 0.101%        |
| 11        | 12.127      | 1084          | 1087        | 1090         | rBV2     | 77374          | 152005        | 3.96%           | 0.221%        |
| 12        | 12.186      | 1090          | 1093        | 1097         | rVB4     | 47965          | 110144        | 2.87%           | 0.160%        |
| 13        | 12.314      | 1100          | 1106        | 1109         | rBV      | 74859          | 149707        | 3.90%           | 0.218%        |
| 14        | 12.373      | 1109          | 1112        | 1117         | rVB      | 1391828        | 2184224       | 56.94%          | 3.180%        |
| 15        | 12.452      | 1117          | 1120        | 1126         | rVB4     | 27252          | 68501         | 1.79%           | 0.100%        |
| 16        | 12.551      | 1126          | 1130        | 1134         | rBV      | 152502         | 325061        | 8.47%           | 0.473%        |
| 17        | 12.649      | 1134          | 1140        | 1143         | rBV6     | 148422         | 566141        | 14.76%          | 0.824%        |
| 18        | 12.708      | 1143          | 1146        | 1148         | rVV      | 406023         | 742793        | 19.36%          | 1.081%        |
| 19        | 12.748      | 1148          | 1150        | 1158         | rVB2     | 1054874        | 1724077       | 44.94%          | 2.510%        |
| 20        | 12.856      | 1158          | 1161        | 1165         | rBV2     | 139432         | 256871        | 6.70%           | 0.374%        |
| 21        | 12.935      | 1165          | 1169        | 1172         | rBV4     | 31367          | 60049         | 1.57%           | 0.087%        |
| 22        | 13.013      | 1172          | 1177        | 1180         | rBV2     | 710616         | 1532644       | 39.95%          | 2.231%        |
| 23        | 13.053      | 1180          | 1181        | 1183         | rVV2     | 169644         | 220358        | 5.74%           | 0.321%        |
| 24        | 13.102      | 1183          | 1186        | 1189         | rVV      | 229635         | 432745        | 11.28%          | 0.630%        |
| 25        | 13.151      | 1189          | 1191        | 1193         | rVV3     | 84737          | 130790        | 3.41%           | 0.190%        |
| 26        | 13.230      | 1193          | 1199        | 1202         | rVV2     | 897972         | 1810855       | 47.20%          | 2.636%        |
| 27        | 13.319      | 1202          | 1208        | 1215         | rVV3     | 936771         | 2867301       | 74.74%          | 4.174%        |
| 28        | 13.407      | 1215          | 1217        | 1221         | rVV      | 347057         | 603631        | 15.74%          | 0.879%        |
| 29        | 13.486      | 1221          | 1225        | 1228         | rVV3     | 365682         | 976190        | 25.45%          | 1.421%        |
| 30        | 13.565      | 1228          | 1233        | 1237         | rVV2     | 1786043        | 3701022       | 96.48%          | 5.388%        |
| 31        | 13.624      | 1237          | 1239        | 1241         | rVV2     | 304921         | 511198        | 13.33%          | 0.744%        |
| 32        | 13.673      | 1241          | 1244        | 1246         | rVV      | 640484         | 1076151       | 28.05%          | 1.567%        |
| 33        | 13.722      | 1246          | 1249        | 1256         | rVV2     | 808962         | 1603878       | 41.81%          | 2.335%        |
| 34        | 13.830      | 1256          | 1260        | 1263         | rVV2     | 420740         | 974298        | 25.40%          | 1.418%        |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 M-1-OW(0-10)

## 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\82D060719S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 13.929 | 1263 | 1270 | 1272 | rVV3 | 1024757 | 2840560 | 74.05%  | 4.135% |
| 36 | 13.968 | 1272 | 1274 | 1278 | rVV  | 2551751 | 3836211 | 100.00% | 5.585% |
| 37 | 14.037 | 1278 | 1281 | 1282 | rVV2 | 317357  | 591480  | 15.42%  | 0.861% |
| 38 | 14.067 | 1282 | 1284 | 1286 | rVV  | 336585  | 487860  | 12.72%  | 0.710% |
| 39 | 14.126 | 1286 | 1290 | 1293 | rVV2 | 656734  | 1640363 | 42.76%  | 2.388% |
| 40 | 14.175 | 1293 | 1295 | 1296 | rVV2 | 310193  | 526021  | 13.71%  | 0.766% |
| 41 | 14.205 | 1296 | 1298 | 1301 | rVV  | 933501  | 1514571 | 39.48%  | 2.205% |
| 42 | 14.264 | 1301 | 1304 | 1306 | rVV3 | 483364  | 1112850 | 29.01%  | 1.620% |
| 43 | 14.333 | 1309 | 1311 | 1312 | rVV  | 323362  | 503012  | 13.11%  | 0.732% |
| 44 | 14.382 | 1312 | 1316 | 1320 | rVV4 | 564823  | 1970326 | 51.36%  | 2.868% |
| 45 | 14.441 | 1320 | 1322 | 1324 | rVV  | 1071722 | 1658196 | 43.22%  | 2.414% |
| 46 | 14.480 | 1324 | 1326 | 1328 | rVV2 | 408710  | 735233  | 19.17%  | 1.070% |
| 47 | 14.520 | 1328 | 1330 | 1335 | rVV  | 1972689 | 3688077 | 96.14%  | 5.369% |
| 48 | 14.588 | 1335 | 1337 | 1339 | rVV  | 532190  | 952994  | 24.84%  | 1.387% |
| 49 | 14.648 | 1339 | 1343 | 1346 | rVV3 | 563519  | 1632437 | 42.55%  | 2.376% |
| 50 | 14.697 | 1346 | 1348 | 1351 | rVV3 | 216348  | 513675  | 13.39%  | 0.748% |
| 51 | 14.736 | 1351 | 1352 | 1354 | rVV2 | 177470  | 267435  | 6.97%   | 0.389% |
| 52 | 14.776 | 1354 | 1356 | 1357 | rVV  | 213799  | 289788  | 7.55%   | 0.422% |
| 53 | 14.815 | 1357 | 1360 | 1365 | rVV2 | 827590  | 1788041 | 46.61%  | 2.603% |
| 54 | 14.894 | 1365 | 1368 | 1371 | rVV2 | 931288  | 1540252 | 40.15%  | 2.242% |
| 55 | 14.943 | 1371 | 1373 | 1377 | rVV2 | 242355  | 497699  | 12.97%  | 0.725% |
| 56 | 15.022 | 1377 | 1381 | 1390 | rVV8 | 182292  | 786267  | 20.50%  | 1.145% |
| 57 | 15.130 | 1390 | 1392 | 1396 | rVV4 | 97643   | 185653  | 4.84%   | 0.270% |
| 58 | 15.228 | 1399 | 1402 | 1405 | rVB3 | 136173  | 259213  | 6.76%   | 0.377% |
| 59 | 15.287 | 1405 | 1408 | 1410 | rBV3 | 218302  | 304969  | 7.95%   | 0.444% |
| 60 | 15.327 | 1410 | 1412 | 1414 | rVV  | 182956  | 228590  | 5.96%   | 0.333% |
| 61 | 15.356 | 1414 | 1415 | 1417 | rVB  | 54378   | 56291   | 1.47%   | 0.082% |
| 62 | 15.396 | 1417 | 1419 | 1421 | rBV2 | 129395  | 150177  | 3.91%   | 0.219% |
| 63 | 15.435 | 1421 | 1423 | 1426 | rVV3 | 96330   | 177283  | 4.62%   | 0.258% |
| 64 | 15.474 | 1426 | 1427 | 1430 | rVB2 | 45685   | 58174   | 1.52%   | 0.085% |
| 65 | 15.612 | 1435 | 1441 | 1443 | rBV3 | 71736   | 163940  | 4.27%   | 0.239% |
| 66 | 15.652 | 1443 | 1445 | 1448 | rBV  | 640687  | 750624  | 19.57%  | 1.093% |
| 67 | 15.711 | 1448 | 1451 | 1453 | rVV3 | 64878   | 135608  | 3.53%   | 0.197% |
| 68 | 15.750 | 1453 | 1455 | 1458 | rVV2 | 187966  | 218391  | 5.69%   | 0.318% |
| 69 | 15.809 | 1458 | 1461 | 1464 | rVV3 | 182819  | 268114  | 6.99%   | 0.390% |
| 70 | 15.937 | 1472 | 1474 | 1475 | rBV2 | 48569   | 61869   | 1.61%   | 0.090% |
| 71 | 15.986 | 1477 | 1479 | 1480 | rVV2 | 48005   | 61474   | 1.60%   | 0.089% |

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

## 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\82D060719S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 16.026 | 1480 | 1483 | 1484 | rVV2 | 95980  | 194528 | 5.07%  | 0.283% |
| 73 | 16.055 | 1484 | 1486 | 1487 | rVV  | 180609 | 231791 | 6.04%  | 0.337% |
| 74 | 16.085 | 1487 | 1489 | 1493 | rVV2 | 225986 | 323339 | 8.43%  | 0.471% |
| 75 | 16.144 | 1493 | 1495 | 1499 | rVV2 | 321257 | 489709 | 12.77% | 0.713% |
| 76 | 16.213 | 1500 | 1502 | 1508 | rVB6 | 131217 | 318330 | 8.30%  | 0.463% |
| 77 | 16.321 | 1508 | 1513 | 1516 | rBV  | 384251 | 578761 | 15.09% | 0.843% |
| 78 | 16.390 | 1516 | 1520 | 1522 | rBV4 | 63865  | 155051 | 4.04%  | 0.226% |
| 79 | 16.725 | 1551 | 1554 | 1558 | rVV2 | 67649  | 141204 | 3.68%  | 0.206% |
| 80 | 16.784 | 1558 | 1560 | 1564 | rVB4 | 31275  | 56711  | 1.48%  | 0.083% |

Sum of corrected areas: 68693047



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Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

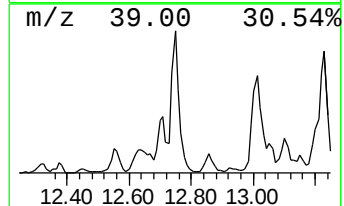
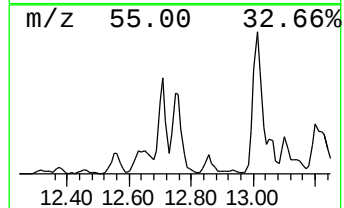
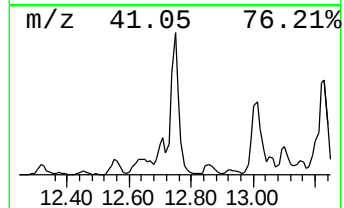
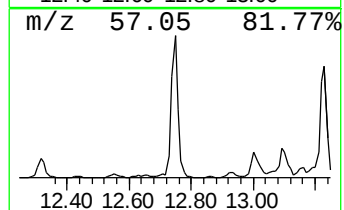
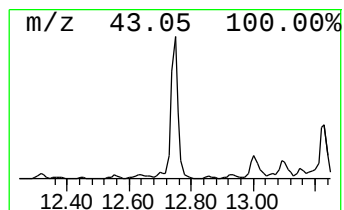
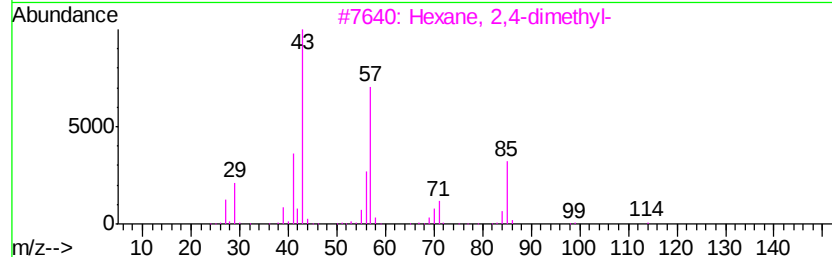
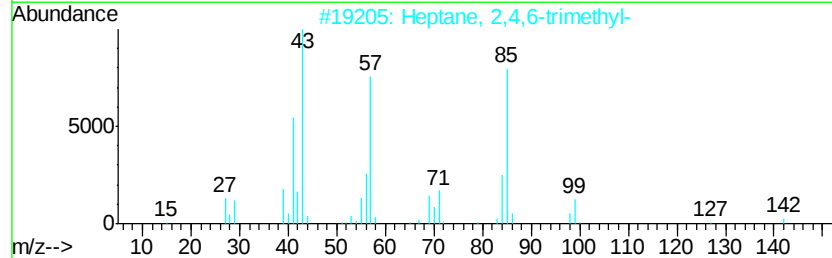
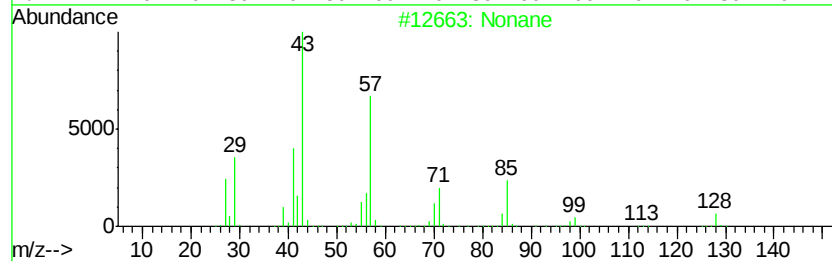
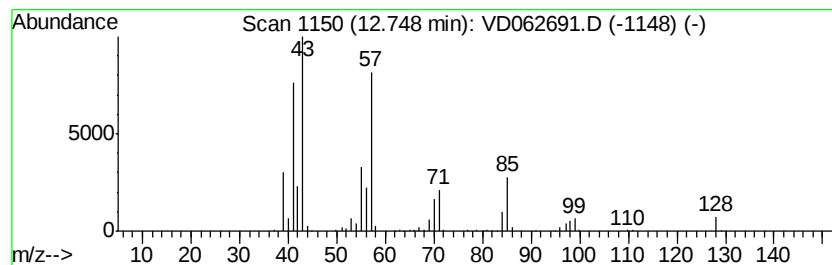
Instrument :  
MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Nonane Concentration Rank 5

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.    |             |      |
|---------|---------------------------|--------------|------------------|---------|-------------|------|
| 12.75   | 39.47 ug/l                | 1724080      | Chlorobenzene-d5 | 12.37   |             |      |
| Hit# of | 5                         | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Nonane                    |              | 128              | C9H20   | 000111-84-2 | 91   |
| 2       | Heptane, 2,4,6-trimethyl- |              | 142              | C10H22  | 002613-61-8 | 53   |
| 3       | Hexane, 2,4-dimethyl-     |              | 114              | C8H18   | 000589-43-5 | 50   |
| 4       | Octane                    |              | 114              | C8H18   | 000111-65-9 | 50   |
| 5       | Octane, 2,4,6-trimethyl-  |              | 156              | C11H24  | 062016-37-9 | 47   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

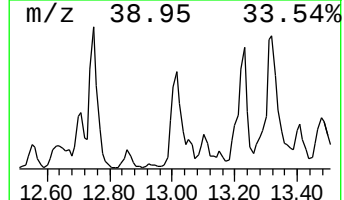
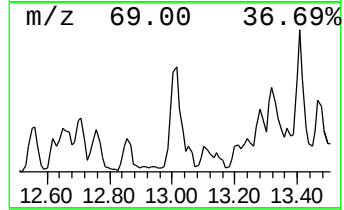
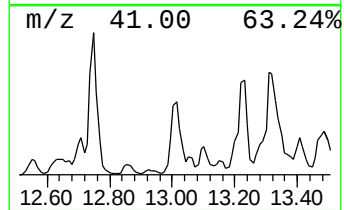
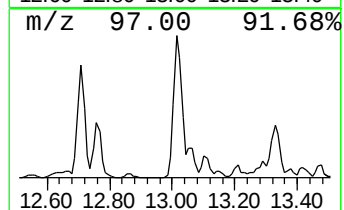
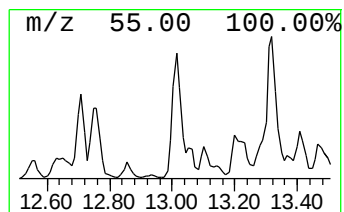
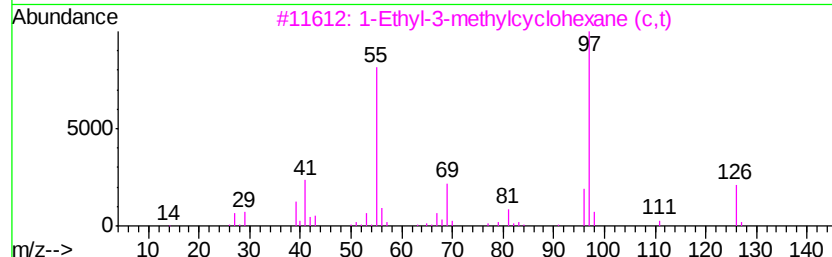
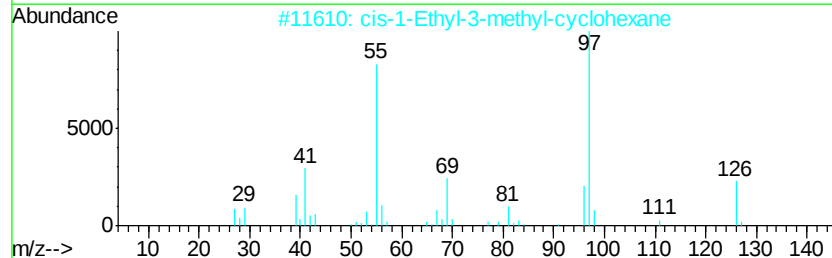
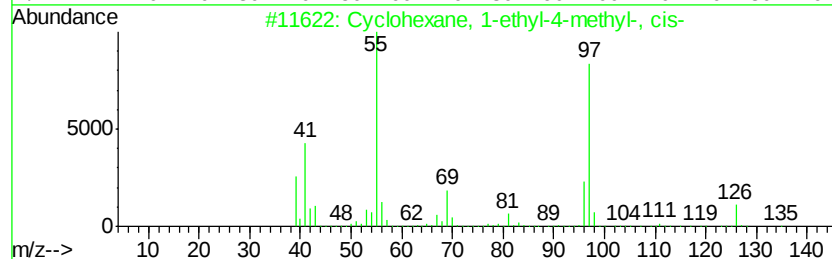
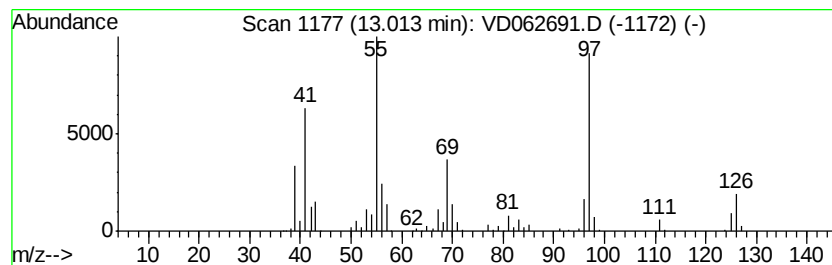
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.01 | 35.08 ug/l | 1532640 | Chlorobenzene-d5 | 12.37 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 74   |
| 2    |    | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 74   |
| 3    |    | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 74   |
| 4    |    | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 72   |
| 5    |    | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 72   |



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Instrument :  
MSVOA\_D  
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M-1-OW(0-10)

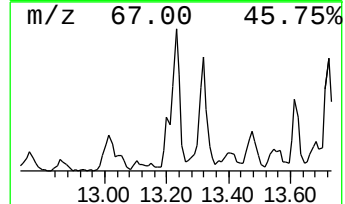
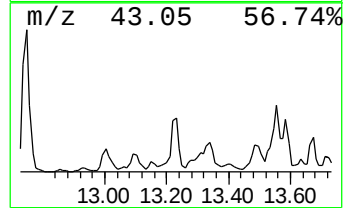
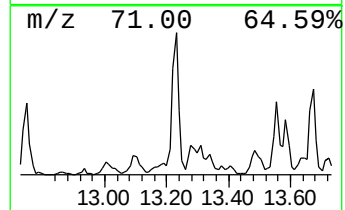
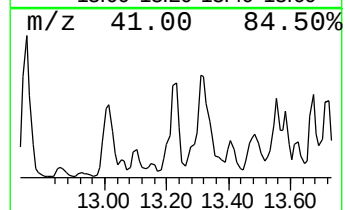
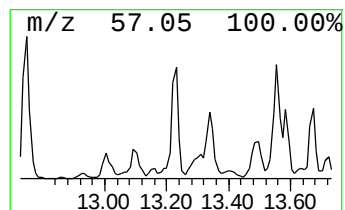
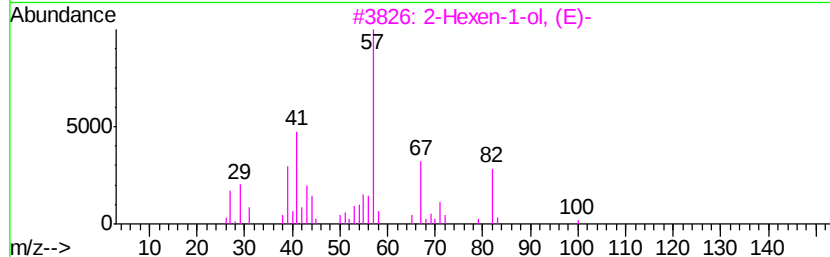
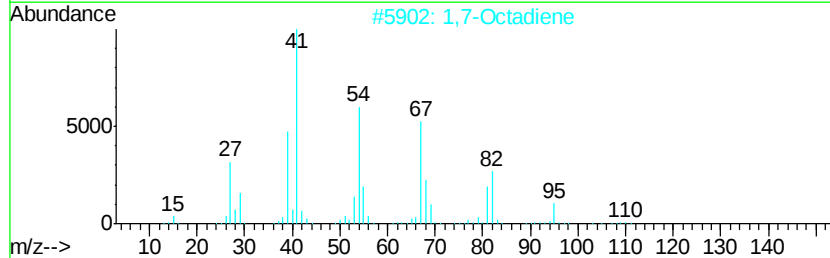
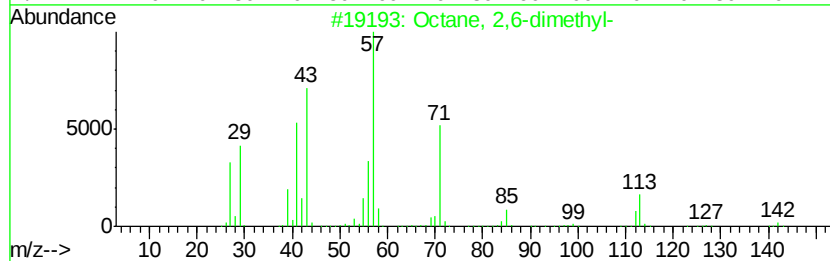
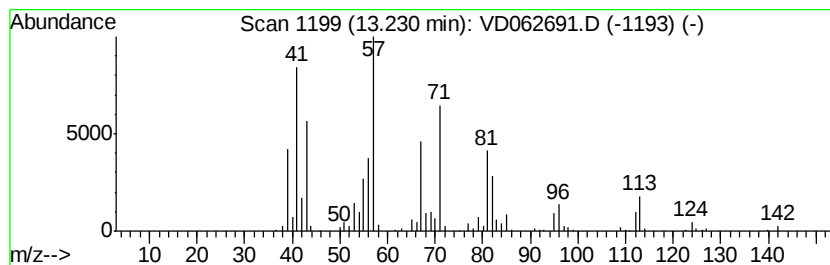
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Quant Title : SW846 8260

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

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Peak Number 4 unknown13.23 Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.23 | 41.45 ug/l | 1810860 | Chlorobenzene-d5 | 12.37 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 46   |
| 2    |    |   | 1,7-Octadiene                       | 110 | C8H14     | 003710-30-3  | 41   |
| 3    |    |   | 2-Hexen-1-ol, (E)-                  | 100 | C6H12O    | 000928-95-0  | 35   |
| 4    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 35   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl hep... | 432 | C25H52O3S | 1000309-20-0 | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

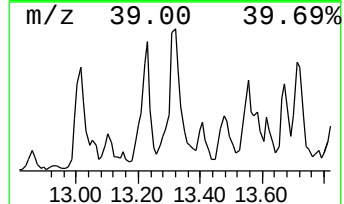
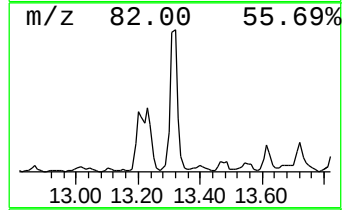
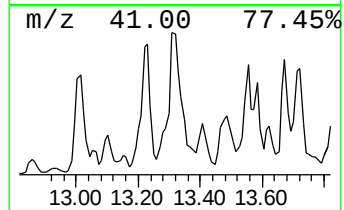
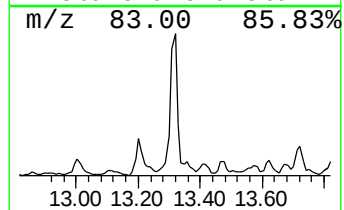
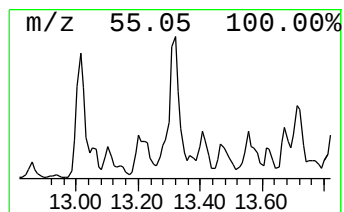
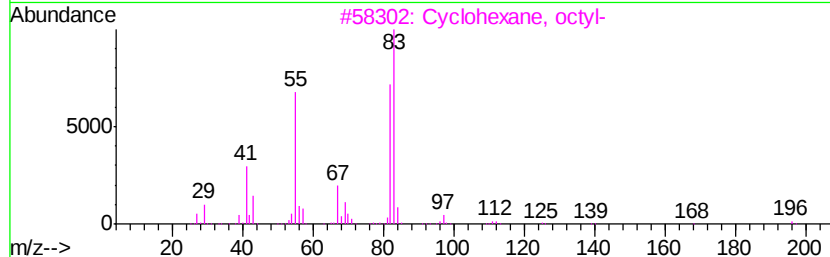
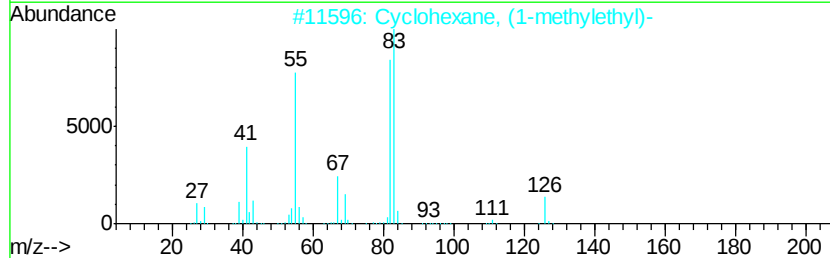
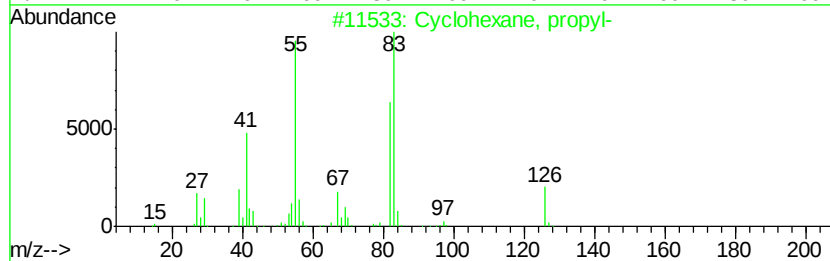
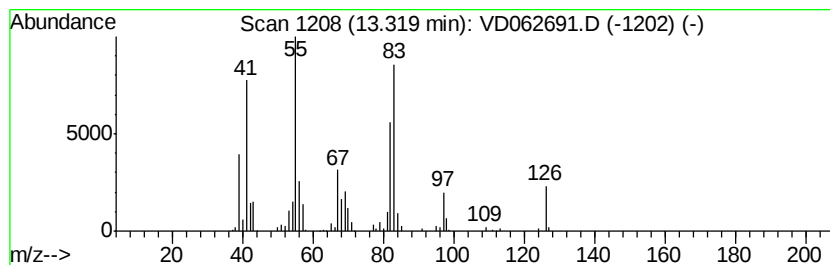
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Quant Title : SW846 8260

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

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Peak Number 5 Cyclohexane, propyl- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.32 | 65.64 ug/l | 2867300 | Chlorobenzene-d5 | 12.37 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclohexane, propyl-                | 126 | C9H18    | 001678-92-8 | 58   |
| 2    |    | Cyclohexane, (1-methylethyl)-       | 126 | C9H18    | 000696-29-7 | 55   |
| 3    |    | Cyclohexane, octyl-                 | 196 | C14H28   | 001795-15-9 | 50   |
| 4    |    | Acetic acid, mercapto-, cyclohex... | 174 | C8H14O2S | 016849-98-2 | 47   |
| 5    |    | Ethanone, 1-cyclohexyl-             | 126 | C8H14O   | 000823-76-7 | 46   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

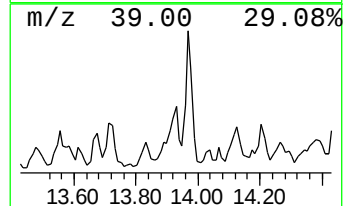
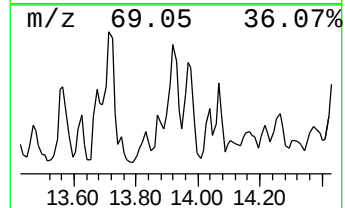
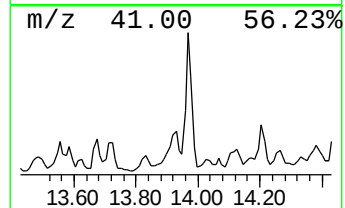
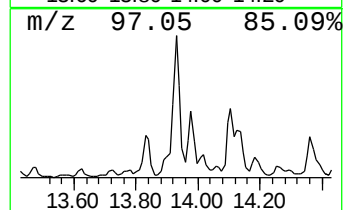
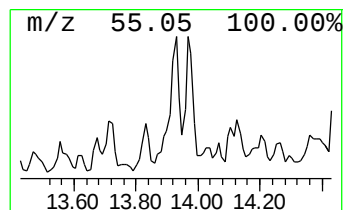
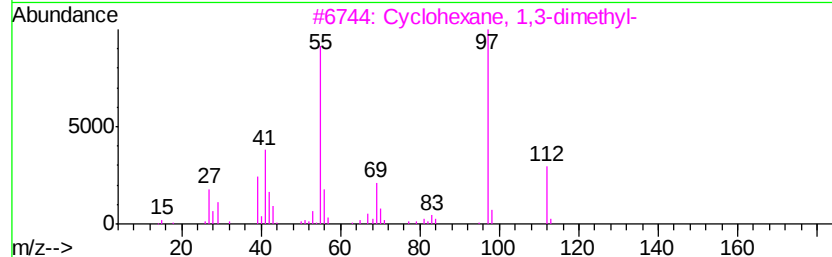
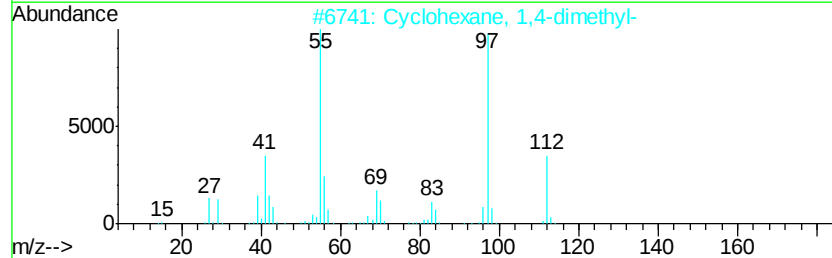
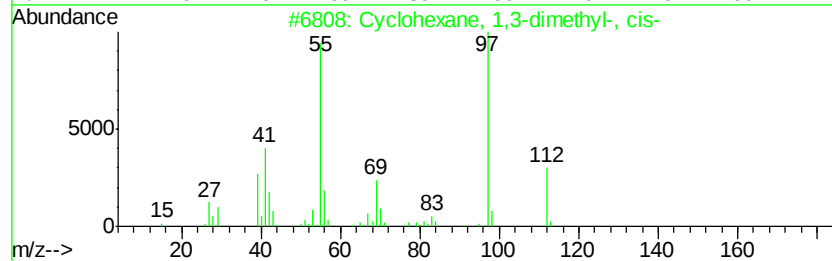
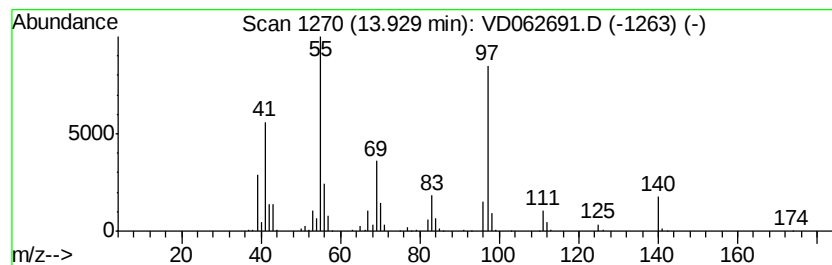
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.93 | 38.51 ug/l | 2840560 | 1,4-Dichlorobenzene-d4 | 14.53 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 81   |
| 2    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 80   |
| 3    |    | Cyclohexane, 1,3-dimethyl-         | 112 | C8H16   | 000591-21-9 | 76   |
| 4    |    | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 72   |
| 5    |    | 3-Hexene, 3-ethyl-2,5-dimethyl-    | 140 | C10H20  | 062338-08-3 | 72   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

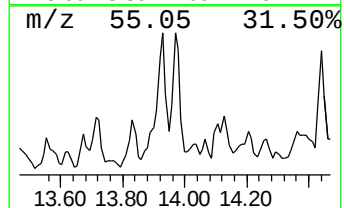
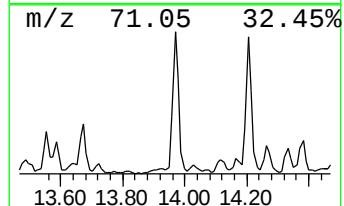
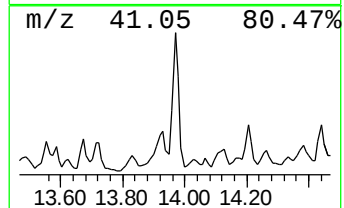
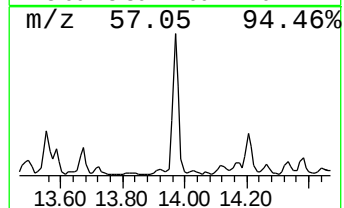
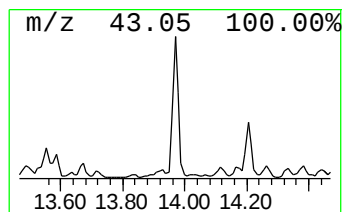
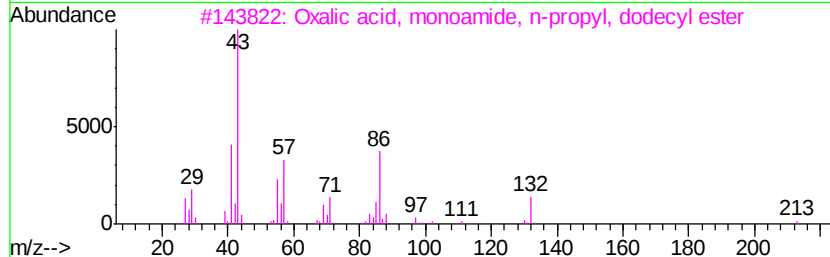
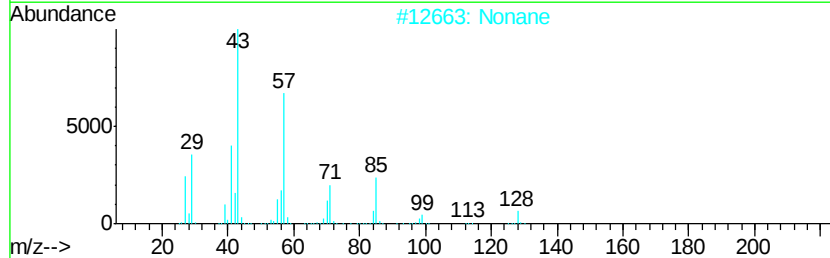
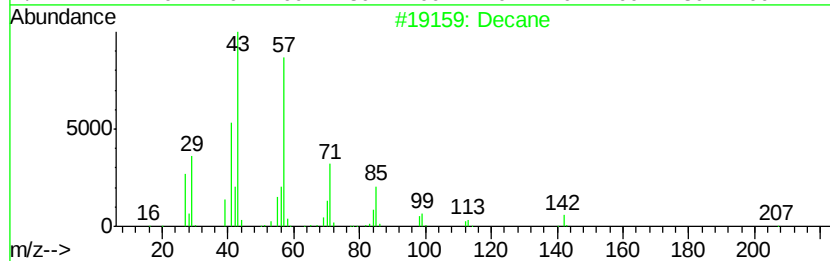
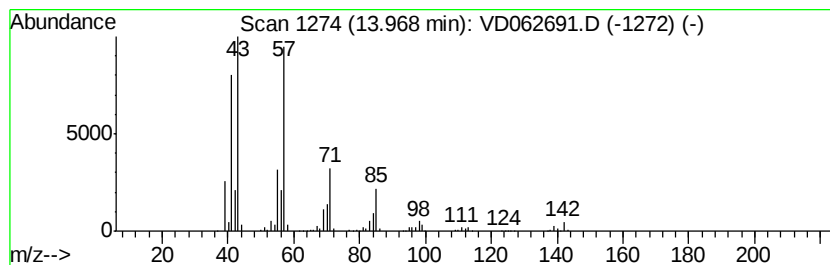
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MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Decane Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.            |
|---------|-------------------------------------|--------------|------------------------|-----------------|
| 13.97   | 52.01 ug/l                          | 3836210      | 1,4-Dichlorobenzene-d4 | 14.53           |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual       |
| 1       | Decane                              |              | 142 C10H22             | 000124-18-5 91  |
| 2       | Nonane                              |              | 128 C9H20              | 000111-84-2 72  |
| 3       | Oxalic acid, monoamide, n-propyl... |              | 299 C17H33N03          | 1000309-65-1 72 |
| 4       | 1-Iodo-2-methylundecane             |              | 296 C12H25I            | 073105-67-6 64  |
| 5       | Octane                              |              | 114 C8H18              | 000111-65-9 59  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

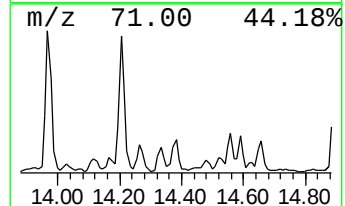
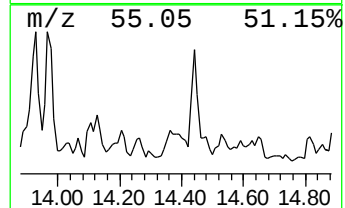
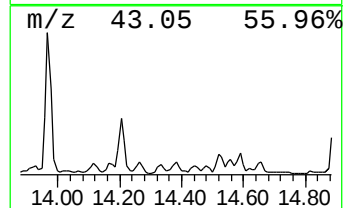
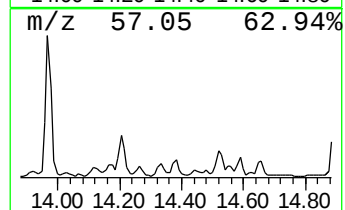
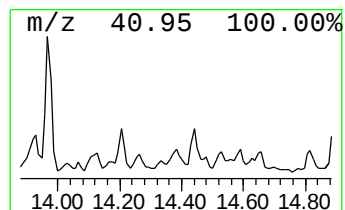
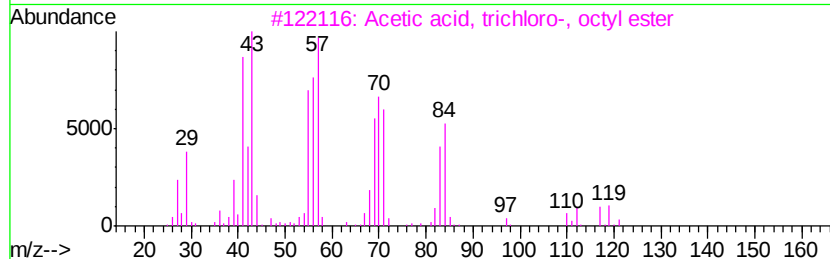
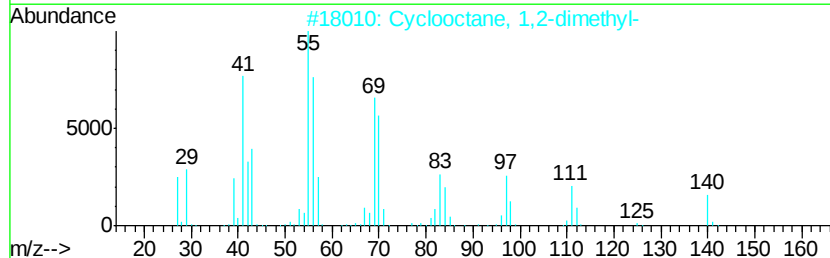
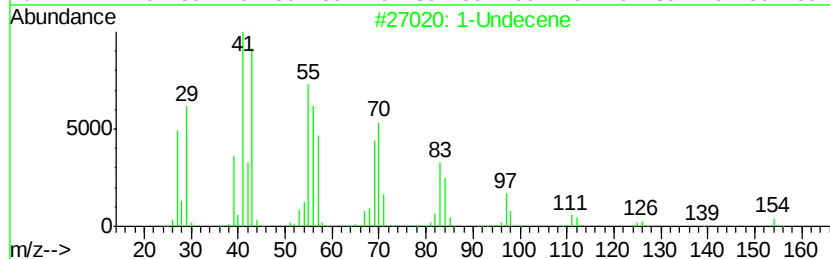
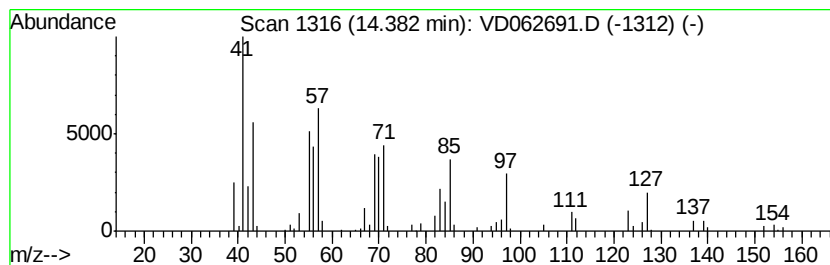
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MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

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

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Peak Number 8 unknown14.38 Concentration Rank 8

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.38   | 26.71 ug/l | 1970330                             | 1,4-Dichlorobenzene-d4 | 14.53          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       | 1          | Undecene                            | 154 C11H22             | 000821-95-4 49 |
| 2       |            | Cyclooctane, 1,2-dimethyl-          | 140 C10H20             | 013151-94-5 49 |
| 3       |            | Acetic acid, trichloro-, octyl e... | 274 C10H17Cl3O2        | 016958-78-4 49 |
| 4       |            | 1-Decene                            | 140 C10H20             | 000872-05-9 45 |
| 5       |            | Hexane, 1-(hexyloxy)-3-methyl-      | 200 C13H28O            | 074421-18-4 43 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

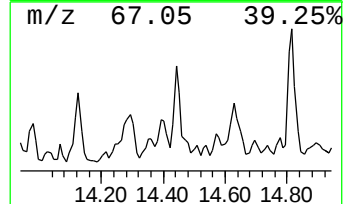
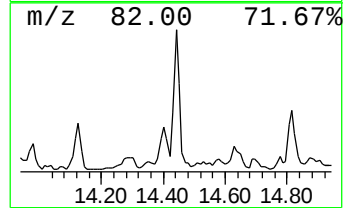
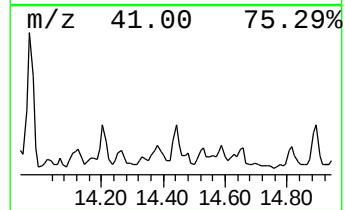
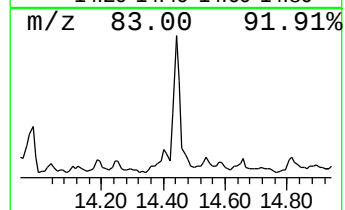
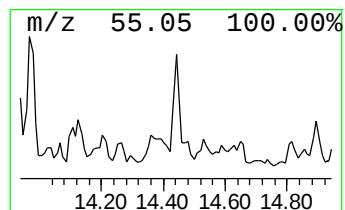
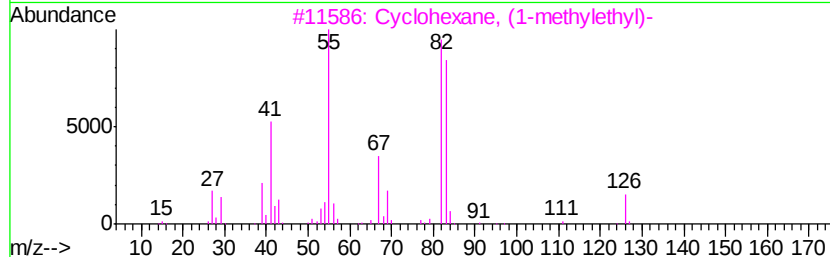
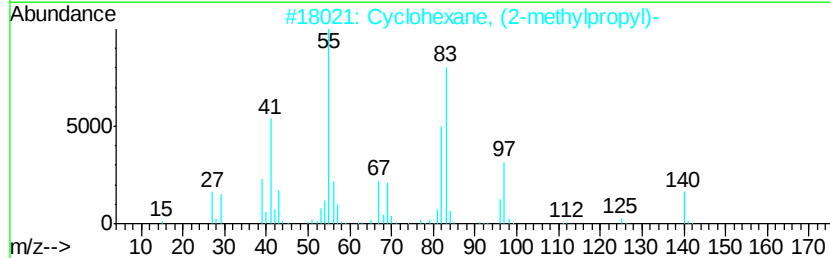
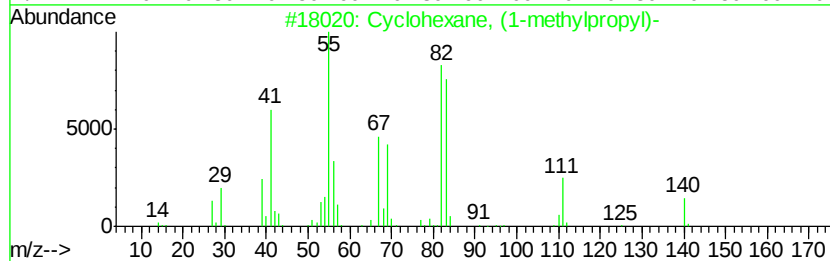
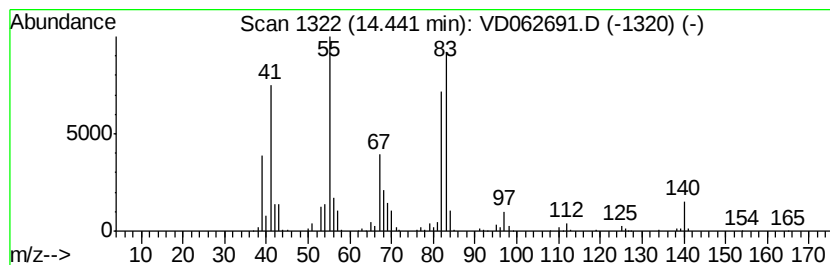
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MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Cyclohexane, (1-methylpropyl)- Concentration Rank 10

| R.T.    | EstConc    | Area                           | Relative to ISTD       | R.T.           |
|---------|------------|--------------------------------|------------------------|----------------|
| 14.44   | 22.48 ug/l | 1658200                        | 1,4-Dichlorobenzene-d4 | 14.53          |
| Hit# of | 5          | Tentative ID                   | MW MolForm             | CAS# Qual      |
| 1       |            | Cyclohexane, (1-methylpropyl)- | 140 C10H20             | 007058-01-7 70 |
| 2       |            | Cyclohexane, (2-methylpropyl)- | 140 C10H20             | 001678-98-4 60 |
| 3       |            | Cyclohexane, (1-methylethyl)-  | 126 C9H18              | 000696-29-7 53 |
| 4       |            | Cyclohexane, butyl-            | 140 C10H20             | 001678-93-9 52 |
| 5       |            | 1-Pentene, 2,3,3-trimethyl-    | 112 C8H16              | 000560-23-6 38 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

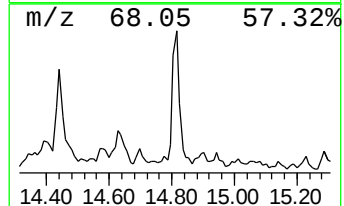
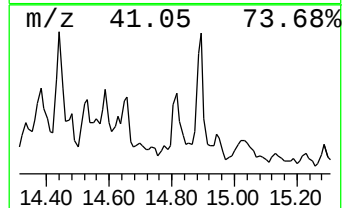
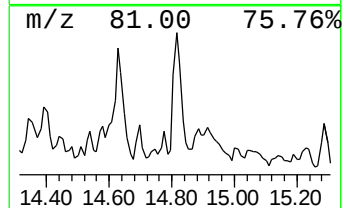
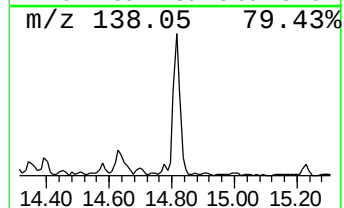
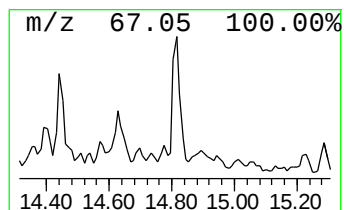
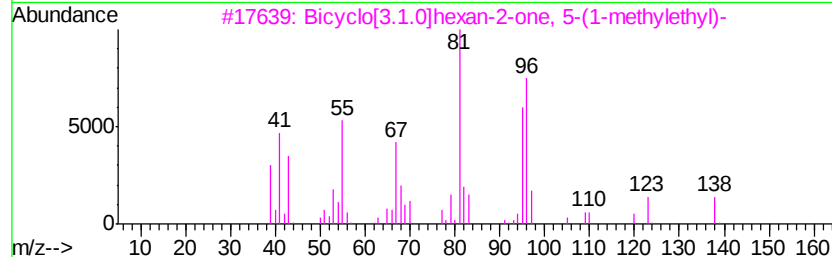
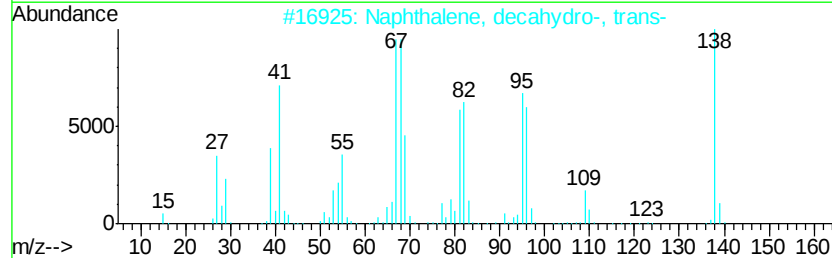
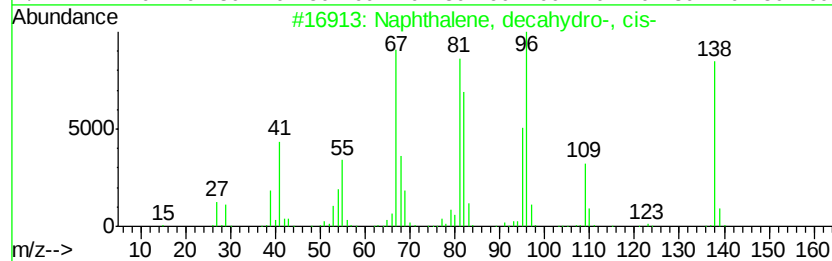
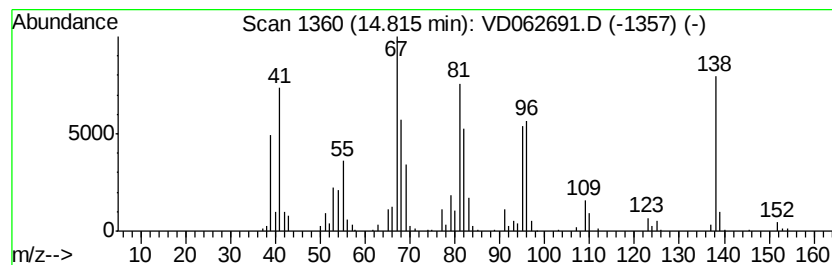
Instrument :  
MSVOA\_D  
ClientSampled :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Naphthalene, decahydro-, cis- Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.81   | 24.24 ug/l | 1788040                             | 1,4-Dichlorobenzene-d4 | 14.53          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, decahydro-, cis-       | 138 C10H18             | 000493-01-6 90 |
| 2       |            | Naphthalene, decahydro-, trans-     | 138 C10H18             | 000493-02-7 86 |
| 3       |            | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 C9H14O             | 000513-20-2 76 |
| 4       |            | Naphthalene, decahydro-             | 138 C10H18             | 000091-17-8 76 |
| 5       |            | Bicyclo[2.2.1]heptane, 1,7,7-tri... | 138 C10H18             | 000464-15-3 68 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD061319\  
Data File : VD062691.D  
Acq On : 13 Jun 2019 13:50  
Operator : VA/AP  
Sample : K3285-01  
Misc : 6.70g/5ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
M-1-OW(0-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.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 |
| Nonane               | 12.75 | 39.5    | ug/l  | 1724080  | 3                     | 12.37 | 2184220 | 50.0 |
| Cyclohexane, 1-et... | 13.01 | 35.1    | ug/l  | 1532640  | 3                     | 12.37 | 2184220 | 50.0 |
| unknown13.23         | 13.23 | 41.5    | ug/l  | 1810860  | 3                     | 12.37 | 2184220 | 50.0 |
| Cyclohexane, propyl- | 13.32 | 65.6    | ug/l  | 2867300  | 3                     | 12.37 | 2184220 | 50.0 |
| Cyclohexane, 1,3-... | 13.93 | 38.5    | ug/l  | 2840560  | 4                     | 14.53 | 3688080 | 50.0 |
| Decane               | 13.97 | 52.0    | ug/l  | 3836210  | 4                     | 14.53 | 3688080 | 50.0 |
| unknown14.38         | 14.38 | 26.7    | ug/l  | 1970330  | 4                     | 14.53 | 3688080 | 50.0 |
| Cyclohexane, (1-m... | 14.44 | 22.5    | ug/l  | 1658200  | 4                     | 14.53 | 3688080 | 50.0 |
| Naphthalene, deca... | 14.81 | 24.2    | ug/l  | 1788040  | 4                     | 14.53 | 3688080 | 50.0 |