

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
 Data File : VD060394.D  
 Acq On : 16 Nov 2018 13:21  
 Operator : JC/SY  
 Sample : J5911-04  
 Misc : 5.06g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FDSB-08(20-22)

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\82D110618S.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      | 3.743    | 219        | 225      | 240       | rVB   | 172914      | 522121     | 9.29%        | 0.903%     |
| 2      | 4.540    | 300        | 306      | 313       | rBV   | 42098       | 120649     | 2.15%        | 0.209%     |
| 3      | 5.662    | 413        | 420      | 433       | rBV3  | 20370       | 75969      | 1.35%        | 0.131%     |
| 4      | 6.341    | 483        | 489      | 493       | rBV   | 804085      | 2022154    | 36.00%       | 3.496%     |
| 5      | 6.429    | 493        | 498      | 515       | rVB   | 1634933     | 4449754    | 79.21%       | 7.693%     |
| 6      | 6.803    | 530        | 536      | 553       | rBV   | 555740      | 1391466    | 24.77%       | 2.406%     |
| 7      | 7.463    | 597        | 603      | 622       | rBV   | 2267904     | 5244917    | 93.36%       | 9.068%     |
| 8      | 9.470    | 802        | 807      | 822       | rVB   | 2200298     | 4939378    | 87.92%       | 8.540%     |
| 9      | 10.208   | 877        | 882      | 889       | rBV   | 34376       | 85684      | 1.53%        | 0.148%     |
| 10     | 10.789   | 937        | 941      | 945       | rBV   | 33728       | 64868      | 1.15%        | 0.112%     |
| 11     | 11.301   | 988        | 993      | 1005      | rVB   | 3213191     | 5617847    | 100.00%      | 9.713%     |
| 12     | 11.891   | 1050       | 1053     | 1057      | rBV3  | 35276       | 88289      | 1.57%        | 0.153%     |
| 13     | 11.970   | 1057       | 1061     | 1066      | rVV5  | 22143       | 62888      | 1.12%        | 0.109%     |
| 14     | 12.107   | 1071       | 1075     | 1078      | rVV   | 130021      | 222313     | 3.96%        | 0.384%     |
| 15     | 12.216   | 1078       | 1086     | 1089      | rVV3  | 101184      | 301181     | 5.36%        | 0.521%     |
| 16     | 12.363   | 1097       | 1101     | 1105      | rBV3  | 64454       | 146775     | 2.61%        | 0.254%     |
| 17     | 12.442   | 1105       | 1109     | 1113      | rBV   | 2154600     | 3345592    | 59.55%       | 5.784%     |
| 18     | 12.580   | 1117       | 1123     | 1128      | rBV2  | 193425      | 456800     | 8.13%        | 0.790%     |
| 19     | 12.698   | 1132       | 1135     | 1139      | rBV3  | 34954       | 80330      | 1.43%        | 0.139%     |
| 20     | 12.796   | 1139       | 1145     | 1147      | rBV4  | 110202      | 287530     | 5.12%        | 0.497%     |
| 21     | 12.836   | 1147       | 1149     | 1152      | rVB   | 108427      | 176890     | 3.15%        | 0.306%     |
| 22     | 12.973   | 1161       | 1163     | 1166      | rBV3  | 89493       | 165289     | 2.94%        | 0.286%     |
| 23     | 13.023   | 1166       | 1168     | 1170      | rBV2  | 39945       | 58198      | 1.04%        | 0.101%     |
| 24     | 13.062   | 1170       | 1172     | 1175      | rVB4  | 58961       | 93103      | 1.66%        | 0.161%     |
| 25     | 13.121   | 1175       | 1178     | 1181      | rVB3  | 95292       | 174100     | 3.10%        | 0.301%     |
| 26     | 13.190   | 1181       | 1185     | 1187      | rBV2  | 91252       | 155754     | 2.77%        | 0.269%     |
| 27     | 13.229   | 1187       | 1189     | 1194      | rBV4  | 165460      | 316062     | 5.63%        | 0.546%     |
| 28     | 13.298   | 1194       | 1196     | 1198      | rVV   | 177922      | 257897     | 4.59%        | 0.446%     |
| 29     | 13.387   | 1201       | 1205     | 1211      | rBV   | 3593323     | 5292142    | 94.20%       | 9.150%     |
| 30     | 13.515   | 1216       | 1218     | 1221      | rVB2  | 54991       | 73861      | 1.31%        | 0.128%     |
| 31     | 13.564   | 1221       | 1223     | 1228      | rVB6  | 78533       | 176690     | 3.15%        | 0.305%     |
| 32     | 13.633   | 1228       | 1230     | 1231      | rBV   | 50231       | 67188      | 1.20%        | 0.116%     |
| 33     | 13.672   | 1231       | 1234     | 1237      | rBV4  | 158108      | 329661     | 5.87%        | 0.570%     |
| 34     | 13.751   | 1240       | 1242     | 1244      | rBV   | 122287      | 165775     | 2.95%        | 0.287%     |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FDSB-08(20-22)

## 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\82D110618S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.800 | 1244 | 1247 | 1250 | rVB3 | 144954  | 236049  | 4.20%  | 0.408% |
| 36 | 13.879 | 1252 | 1255 | 1256 | rBV2 | 172374  | 279289  | 4.97%  | 0.483% |
| 37 | 13.908 | 1256 | 1258 | 1261 | rVB  | 190115  | 275670  | 4.91%  | 0.477% |
| 38 | 13.967 | 1261 | 1264 | 1266 | rBV2 | 101294  | 189417  | 3.37%  | 0.327% |
| 39 | 14.026 | 1268 | 1270 | 1272 | rVB2 | 88226   | 75652   | 1.35%  | 0.131% |
| 40 | 14.085 | 1272 | 1276 | 1278 | rVB2 | 212204  | 369212  | 6.57%  | 0.638% |
| 41 | 14.135 | 1278 | 1281 | 1283 | rBV2 | 318079  | 502305  | 8.94%  | 0.868% |
| 42 | 14.174 | 1283 | 1285 | 1290 | rVB3 | 411232  | 749087  | 13.33% | 1.295% |
| 43 | 14.282 | 1292 | 1296 | 1299 | rBV4 | 330750  | 573270  | 10.20% | 0.991% |
| 44 | 14.331 | 1299 | 1301 | 1303 | rBV3 | 142821  | 254412  | 4.53%  | 0.440% |
| 45 | 14.361 | 1303 | 1304 | 1309 | rVB3 | 166613  | 324212  | 5.77%  | 0.561% |
| 46 | 14.440 | 1309 | 1312 | 1315 | rBV4 | 214739  | 439788  | 7.83%  | 0.760% |
| 47 | 14.528 | 1315 | 1321 | 1325 | rBV4 | 585039  | 1792783 | 31.91% | 3.100% |
| 48 | 14.587 | 1325 | 1327 | 1331 | rVB4 | 261624  | 412207  | 7.34%  | 0.713% |
| 49 | 14.656 | 1331 | 1334 | 1336 | rBV3 | 329041  | 574010  | 10.22% | 0.992% |
| 50 | 14.696 | 1336 | 1338 | 1341 | rVV3 | 118506  | 265022  | 4.72%  | 0.458% |
| 51 | 14.764 | 1341 | 1345 | 1348 | rVV3 | 190322  | 558174  | 9.94%  | 0.965% |
| 52 | 14.833 | 1350 | 1352 | 1355 | rVV3 | 314138  | 608991  | 10.84% | 1.053% |
| 53 | 14.892 | 1355 | 1358 | 1360 | rVV3 | 496255  | 930588  | 16.56% | 1.609% |
| 54 | 14.922 | 1360 | 1361 | 1363 | rVV2 | 552429  | 702184  | 12.50% | 1.214% |
| 55 | 14.991 | 1366 | 1368 | 1374 | rVV2 | 1701824 | 3261765 | 58.06% | 5.639% |
| 56 | 15.079 | 1374 | 1377 | 1380 | rVV4 | 562805  | 1249685 | 22.24% | 2.161% |
| 57 | 15.148 | 1382 | 1384 | 1385 | rVV  | 252060  | 346199  | 6.16%  | 0.599% |
| 58 | 15.178 | 1385 | 1387 | 1388 | rVV  | 247061  | 301752  | 5.37%  | 0.522% |
| 59 | 15.207 | 1388 | 1390 | 1392 | rVV2 | 262024  | 457094  | 8.14%  | 0.790% |
| 60 | 15.276 | 1395 | 1397 | 1399 | rVV2 | 401015  | 583268  | 10.38% | 1.008% |
| 61 | 15.335 | 1399 | 1403 | 1404 | rVV4 | 343681  | 690929  | 12.30% | 1.195% |
| 62 | 15.365 | 1404 | 1406 | 1408 | rVV2 | 400511  | 577151  | 10.27% | 0.998% |
| 63 | 15.434 | 1410 | 1413 | 1416 | rVV4 | 206304  | 419326  | 7.46%  | 0.725% |
| 64 | 15.483 | 1416 | 1418 | 1420 | rVB  | 157708  | 201166  | 3.58%  | 0.348% |
| 65 | 15.591 | 1425 | 1429 | 1431 | rVV2 | 506812  | 985926  | 17.55% | 1.705% |
| 66 | 15.630 | 1431 | 1433 | 1437 | rVV2 | 280216  | 486028  | 8.65%  | 0.840% |
| 67 | 15.699 | 1437 | 1440 | 1442 | rVV  | 292193  | 493788  | 8.79%  | 0.854% |
| 68 | 15.729 | 1442 | 1443 | 1447 | rVB2 | 145527  | 218734  | 3.89%  | 0.378% |
| 69 | 15.916 | 1459 | 1462 | 1465 | rVB4 | 147871  | 255157  | 4.54%  | 0.441% |
| 70 | 16.113 | 1480 | 1482 | 1485 | rVB2 | 65086   | 107865  | 1.92%  | 0.186% |
| 71 | 16.624 | 1530 | 1534 | 1537 | rVB4 | 30806   | 62009   | 1.10%  | 0.107% |

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Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

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\82D110618S.M  
Title : SW846 8260

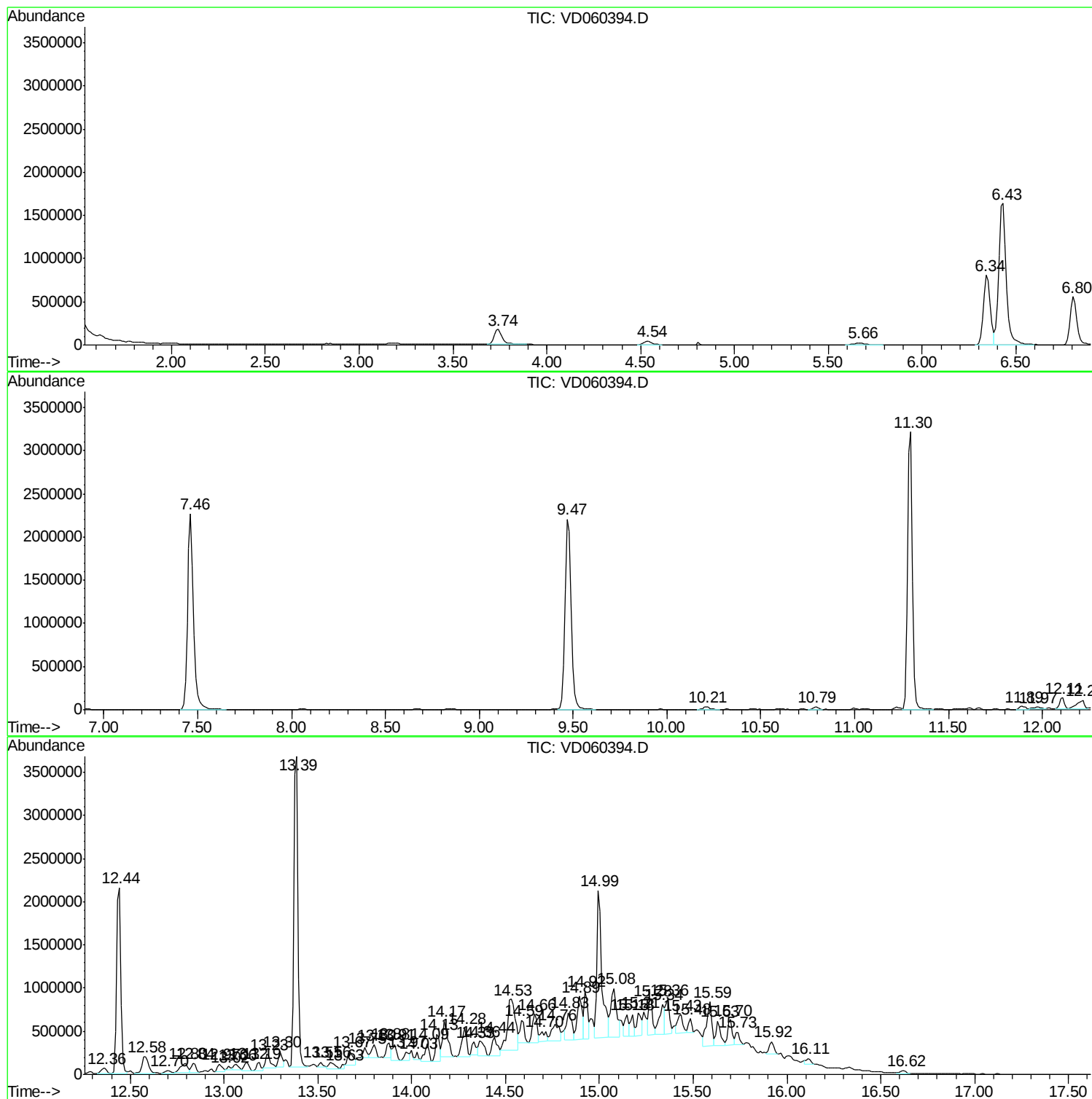
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
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Instrument :  
MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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



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Instrument :  
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FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

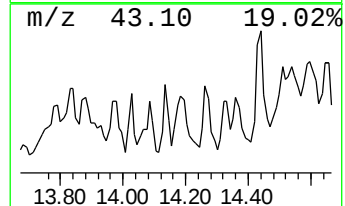
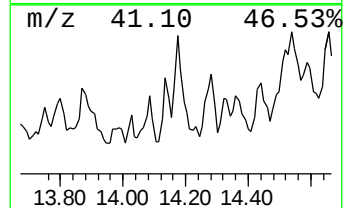
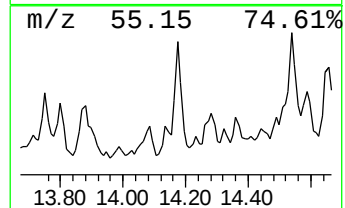
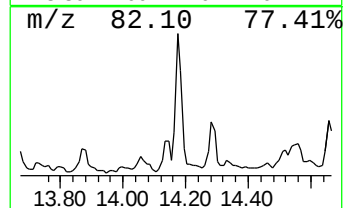
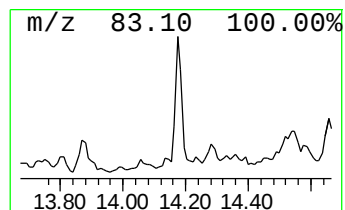
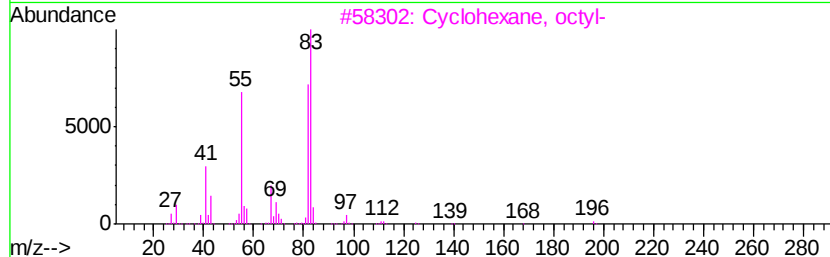
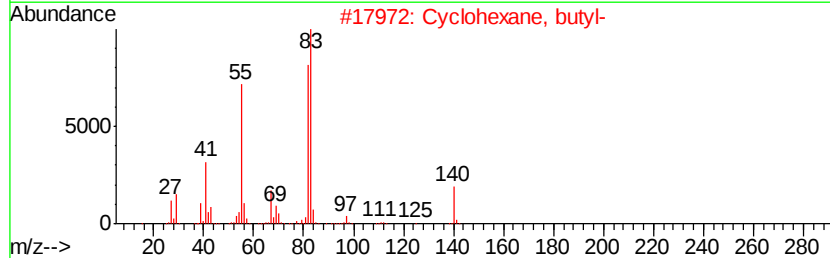
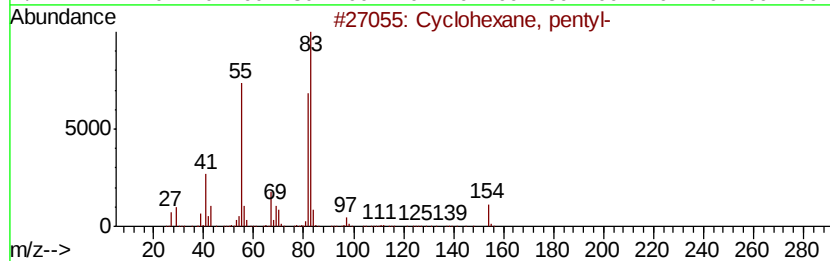
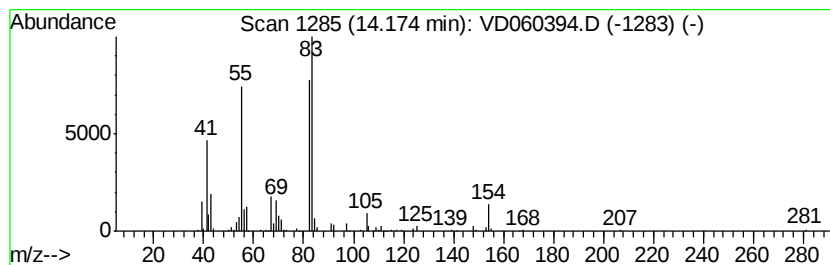
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Cyclohexane, pentyl- Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.17 | 7.08 ug/l | 749087 | 1,4-Dichlorobenzene-d4 | 13.39 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-                   | 154 | C11H22  | 004292-92-6 | 94   |
| 2    |    | Cyclohexane, butyl-                    | 140 | C10H20  | 001678-93-9 | 86   |
| 3    |    | Cyclohexane, octyl-                    | 196 | C14H28  | 001795-15-9 | 86   |
| 4    |    | Cyclohexane, 1,1'-(1,4-butanediol-...) | 222 | C16H30  | 006165-44-2 | 78   |
| 5    |    | Cyclohexane, decyl-                    | 224 | C16H32  | 001795-16-0 | 78   |



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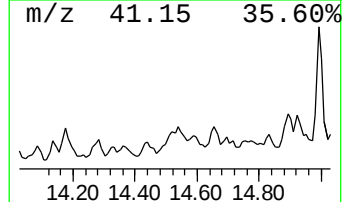
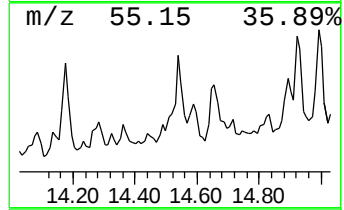
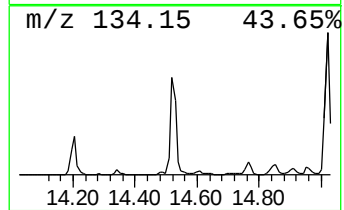
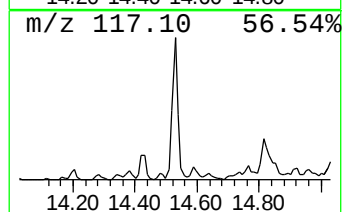
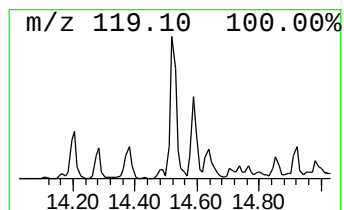
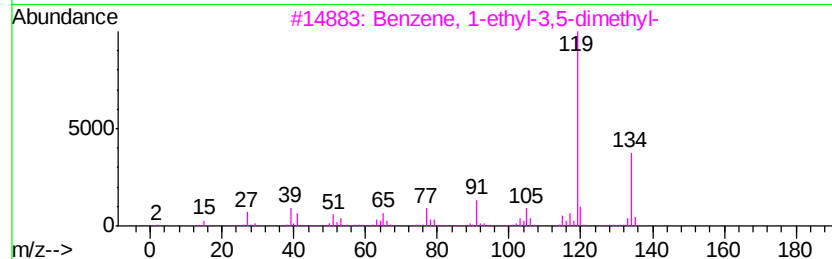
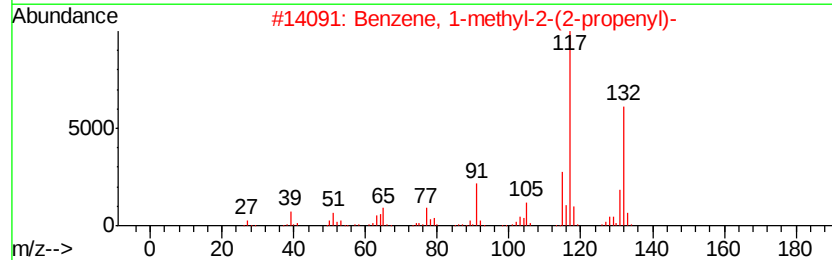
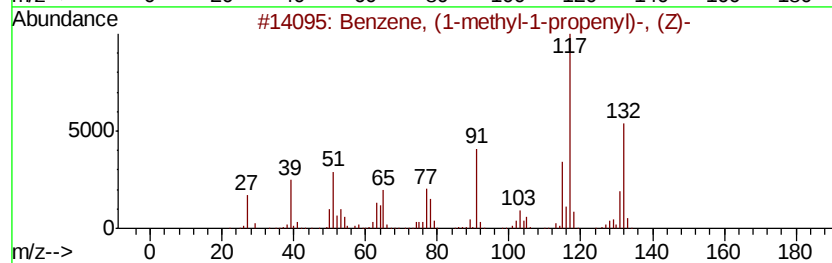
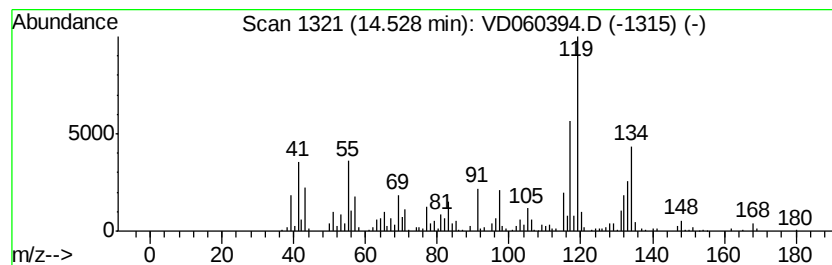
Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, (1-methyl-1-propen... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.    |             |      |
|---------|-------------------------------------|--------------|------------------------|---------|-------------|------|
| 14.53   | 16.94 ug/l                          | 1792780      | 1,4-Dichlorobenzene-d4 | 13.39   |             |      |
| Hit# of | 5                                   | Tentative ID | MW                     | MolForm | CAS#        | Qual |
| 1       | Benzene, (1-methyl-1-propenyl)-,... | 132          | C10H12                 |         | 000767-99-7 | 62   |
| 2       | Benzene, 1-methyl-2-(2-propenyl)-   | 132          | C10H12                 |         | 001587-04-8 | 60   |
| 3       | Benzene, 1-ethyl-3,5-dimethyl-      | 134          | C10H14                 |         | 000934-74-7 | 55   |
| 4       | Benzene, 4-ethyl-1,2-dimethyl-      | 134          | C10H14                 |         | 000934-80-5 | 55   |
| 5       | Benzene, 1-ethyl-2,3-dimethyl-      | 134          | C10H14                 |         | 000933-98-2 | 55   |



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FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

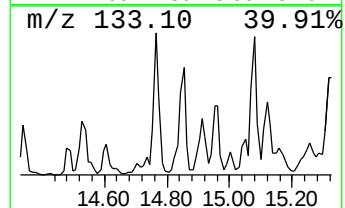
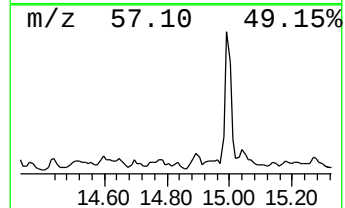
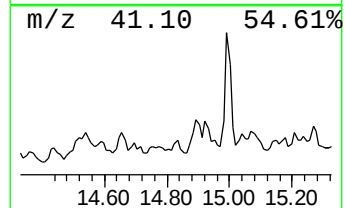
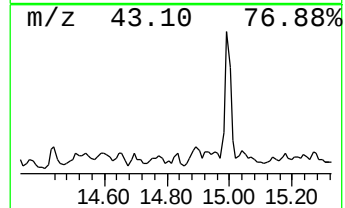
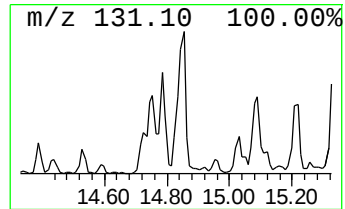
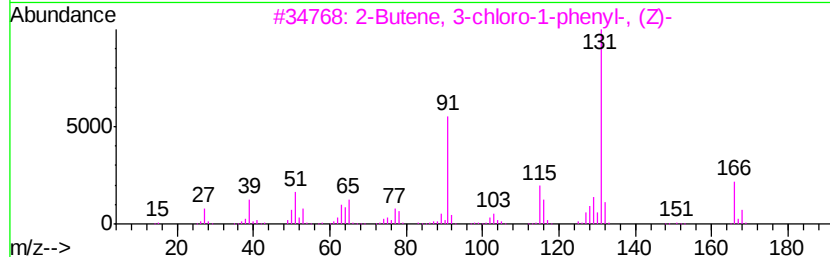
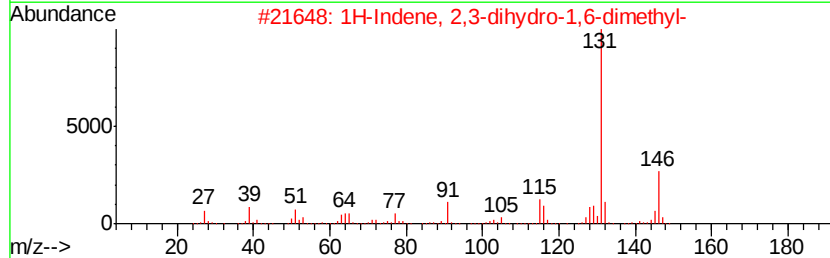
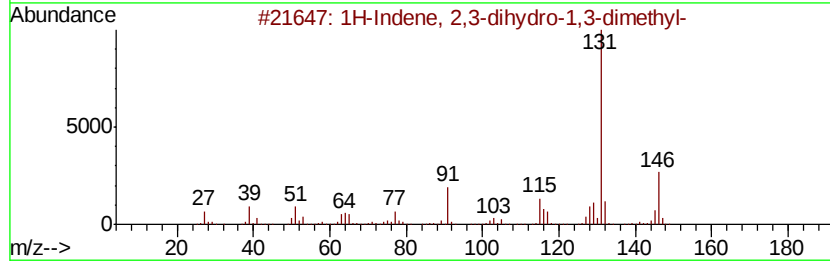
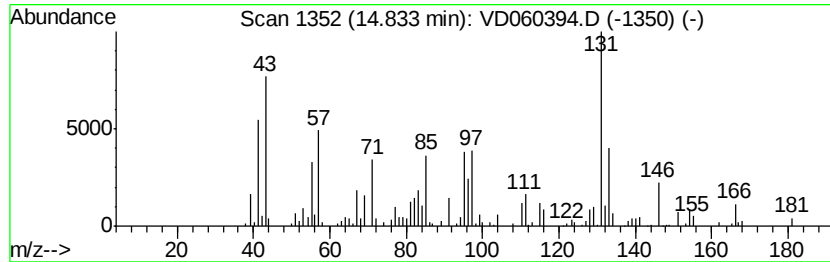
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown14.83 Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.83 | 5.75 ug/l | 608991 | 1,4-Dichlorobenzene-d4 | 13.39 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14   | 004175-53-5 | 42   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14   | 017059-48-2 | 42   |
| 3    |    | 2-Butene, 3-chloro-1-phenyl-, (Z)-  | 166 | C10H11Cl | 016608-68-7 | 38   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 | C11H14   | 027087-54-3 | 30   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14   | 004912-92-9 | 30   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

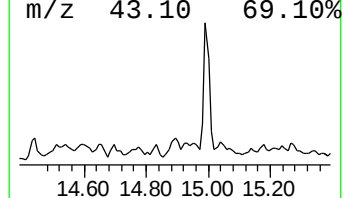
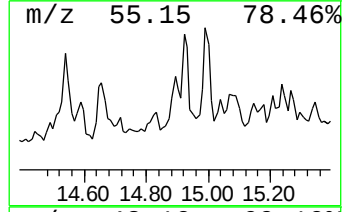
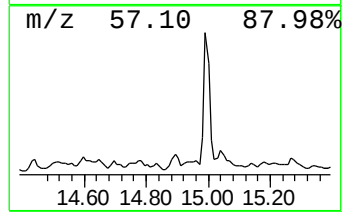
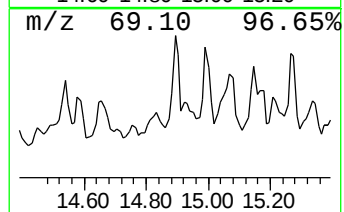
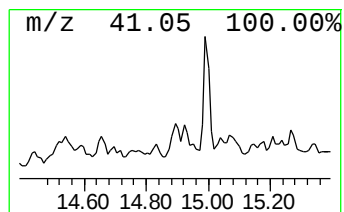
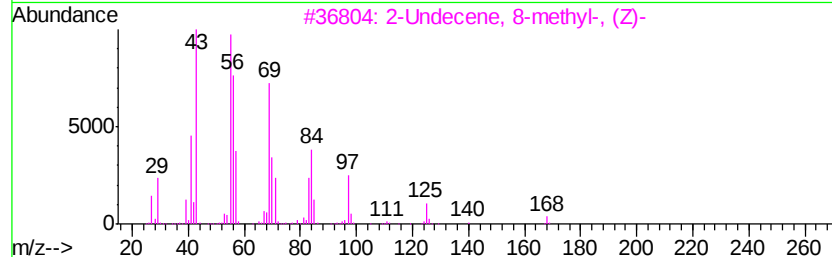
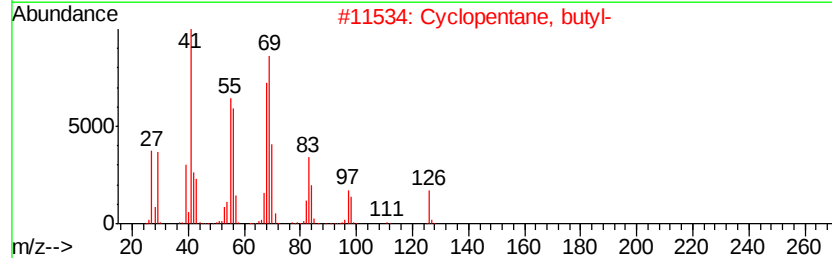
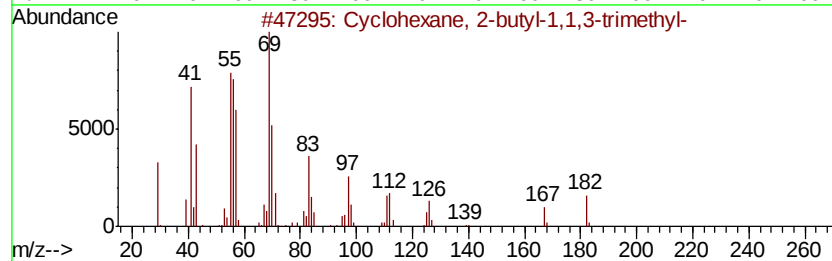
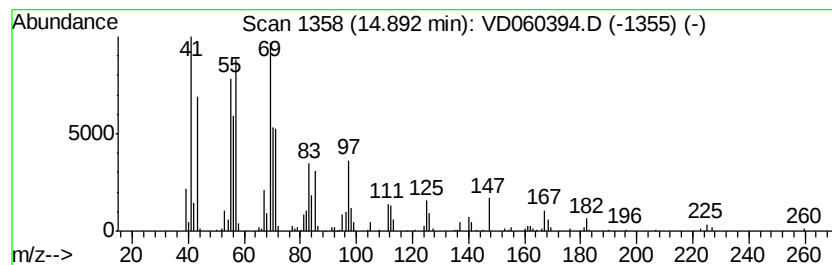
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ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 5

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------------|------------------------|----------------|
| 14.89   | 8.79 ug/l | 930588                              | 1,4-Dichlorobenzene-d4 | 13.39          |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |           | Cyclohexane, 2-butyl-1,1,3-trime... | 182 C13H26             | 054676-39-0 89 |
| 2       |           | Cyclopentane, butyl-                | 126 C9H18              | 002040-95-1 64 |
| 3       |           | 2-Undecene, 8-methyl-, (Z)-         | 168 C12H24             | 074630-44-7 62 |
| 4       |           | Cyclohexane, 2-propyl-1,1,3-trim... | 168 C12H24             | 081983-70-2 58 |
| 5       |           | Cyclopentane, 1-pentyl-2-propyl-    | 182 C13H26             | 062199-51-3 53 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

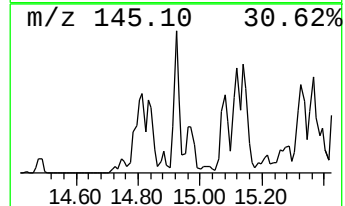
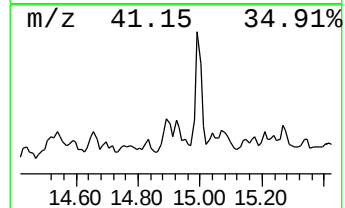
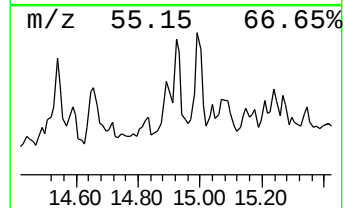
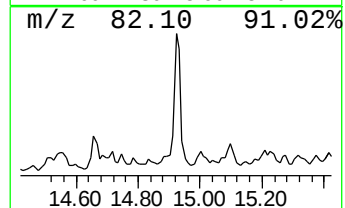
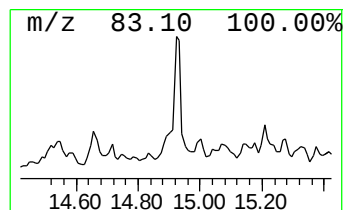
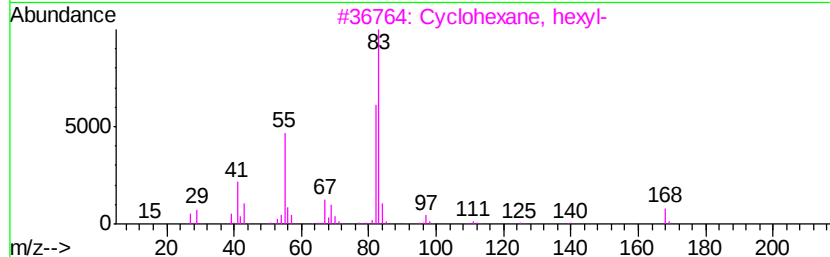
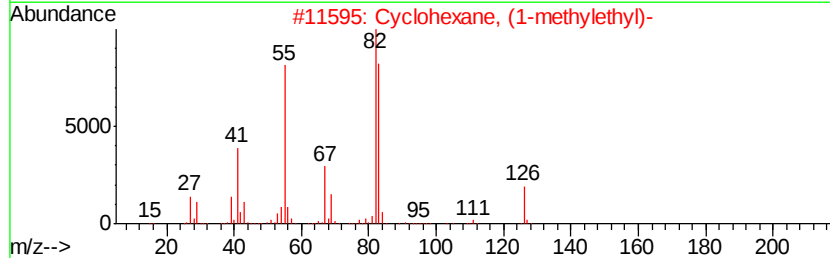
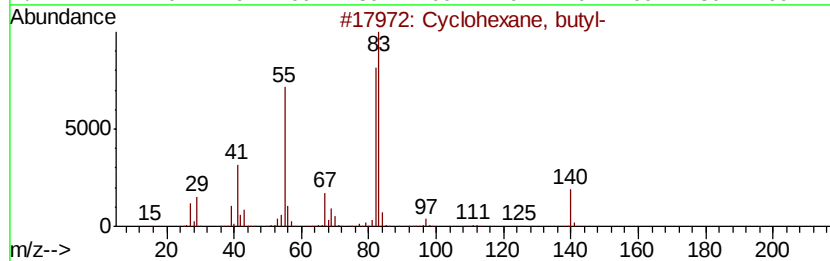
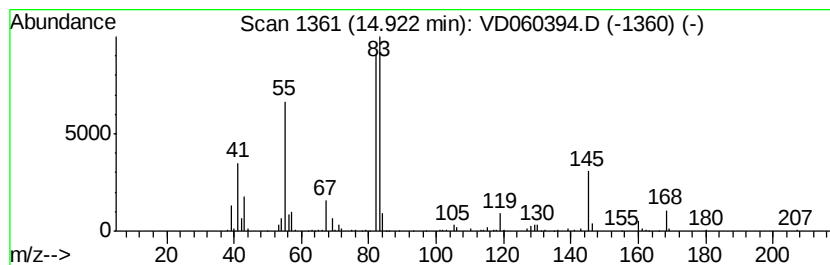
Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Cyclohexane, butyl- Concentration Rank 7

| R.T.    | EstConc   | Area                          | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------|------------------------|----------------|
| 14.92   | 6.63 ug/l | 702184                        | 1,4-Dichlorobenzene-d4 | 13.39          |
| Hit# of | 5         | Tentative ID                  | MW MolForm             | CAS# Qual      |
| 1       |           | Cyclohexane, butyl-           | 140 C10H20             | 001678-93-9 59 |
| 2       |           | Cyclohexane, (1-methylethyl)- | 126 C9H18              | 000696-29-7 53 |
| 3       |           | Cyclohexane, hexyl-           | 168 C12H24             | 004292-75-5 50 |
| 4       |           | Heptylcyclohexane             | 182 C13H26             | 005617-41-4 50 |
| 5       |           | Cyclohexane, octyl-           | 196 C14H28             | 001795-15-9 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

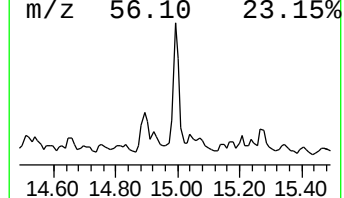
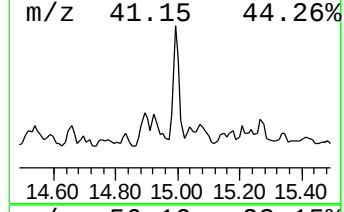
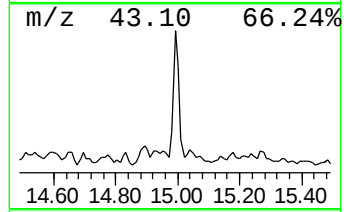
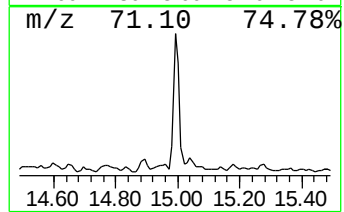
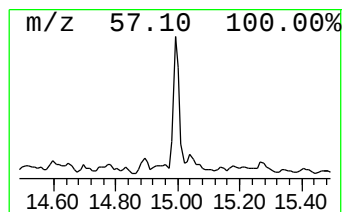
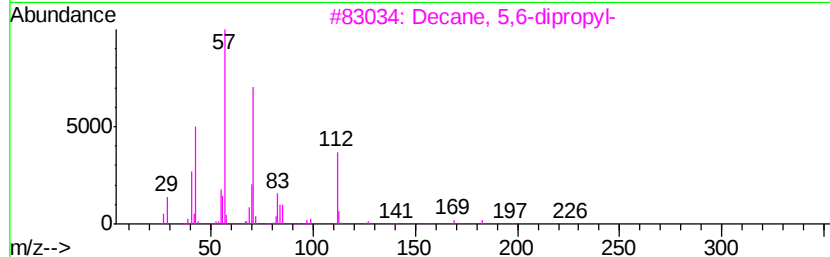
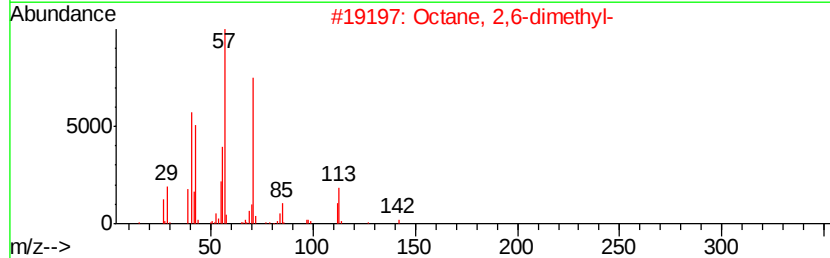
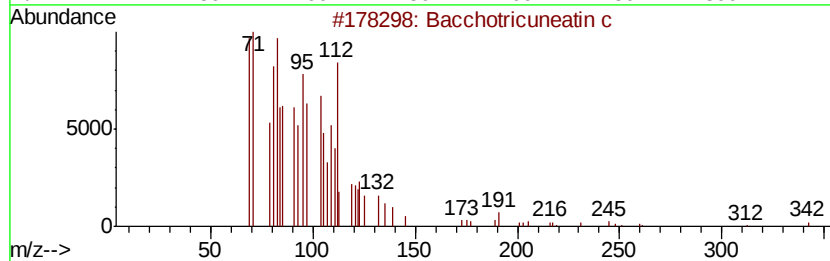
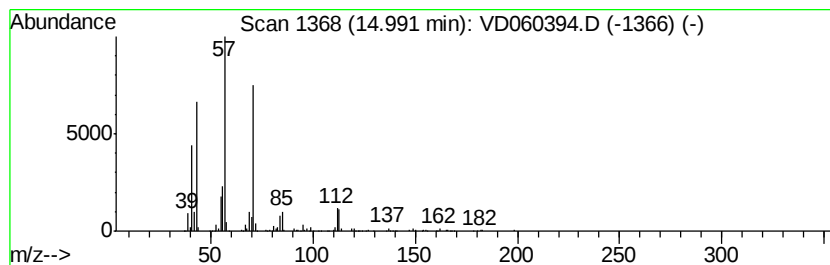
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Bacchotricuneatin c Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 14.99 | 30.82 ug/l | 3261770 | 1,4-Dichlorobenzene-d4 | 13.39 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------|-----|----------|-------------|------|
| 1       |   | Bacchotricuneatin c     | 342 | C20H22O5 | 066563-30-2 | 74   |
| 2       |   | Octane, 2,6-dimethyl-   | 142 | C10H22   | 002051-30-1 | 72   |
| 3       |   | Decane, 5,6-dipropyl-   | 226 | C16H34   | 119209-20-0 | 72   |
| 4       |   | Tridecane, 5-propyl-    | 226 | C16H34   | 055045-11-9 | 64   |
| 5       |   | Dodecane, 4,6-dimethyl- | 198 | C14H30   | 061141-72-8 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

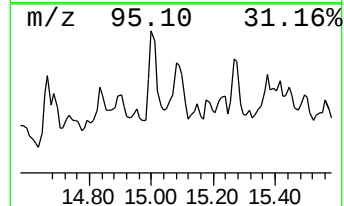
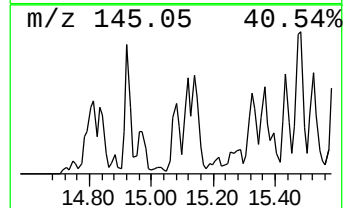
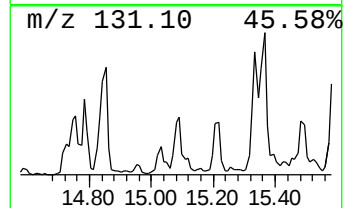
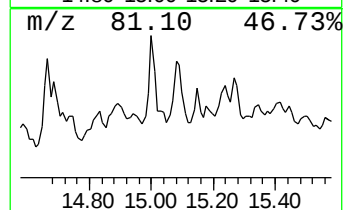
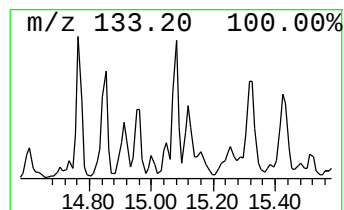
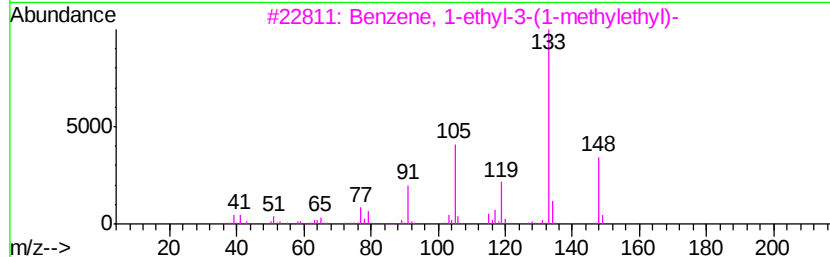
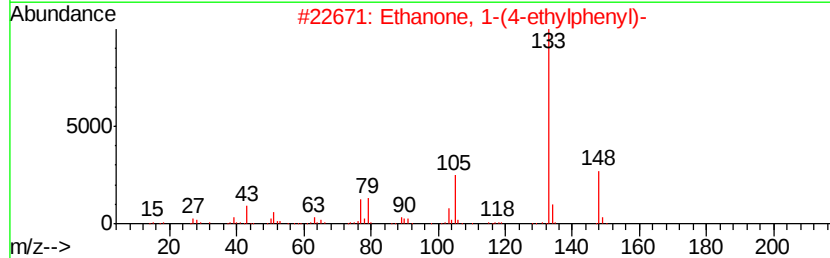
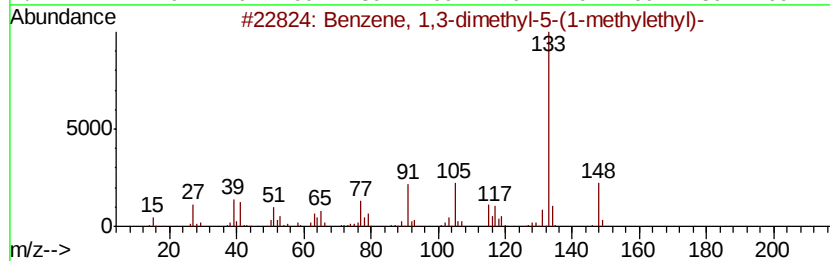
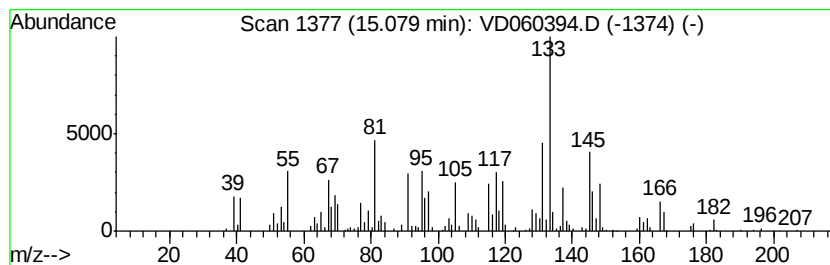
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown15.08 Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.08 | 11.81 ug/l | 1249690 | 1,4-Dichlorobenzene-d4 | 13.39 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-dimethyl-5-(1-methyl-... | 148 | C11H16  | 004706-90-5 | 38   |
| 2    |    | Ethanone, 1-(4-ethylphenyl)-          | 148 | C10H12O | 000937-30-4 | 35   |
| 3    |    | Benzene, 1-ethyl-3-(1-methylethyl)-   | 148 | C11H16  | 004920-99-4 | 30   |
| 4    |    | 1-Propanone, 3-cyclopentyl-1-(2,...   | 230 | C16H22O | 055191-11-2 | 22   |
| 5    |    | Benzene, 1,4-dimethyl-2-(1-methyl-... | 148 | C11H16  | 004132-72-3 | 22   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

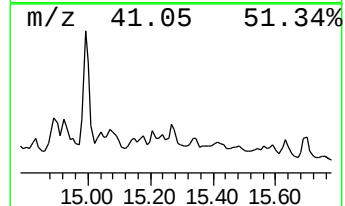
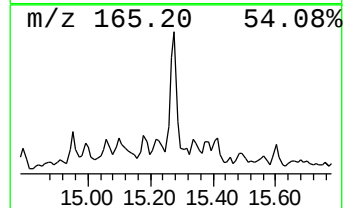
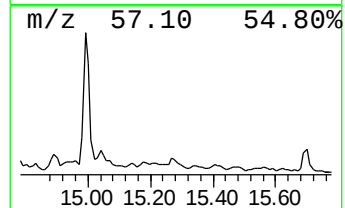
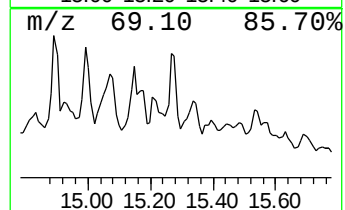
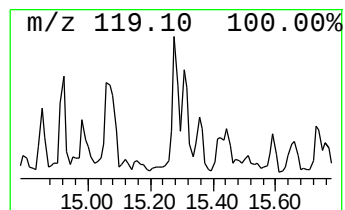
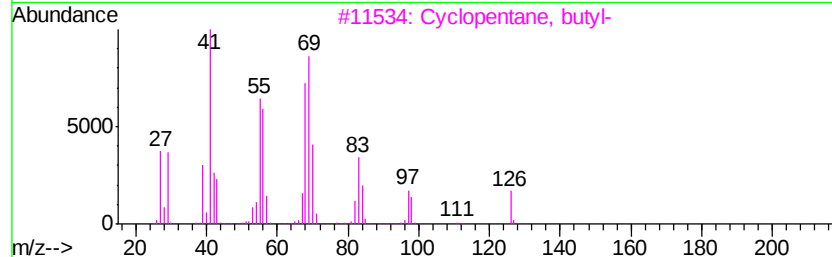
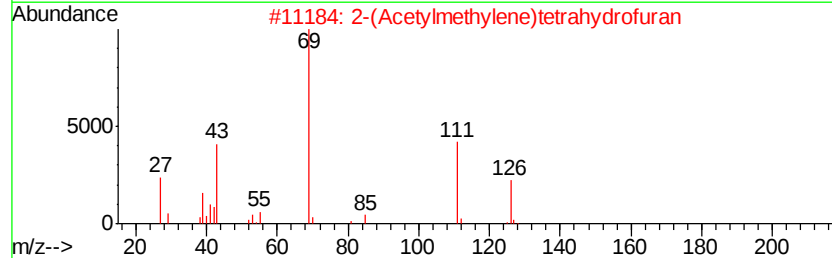
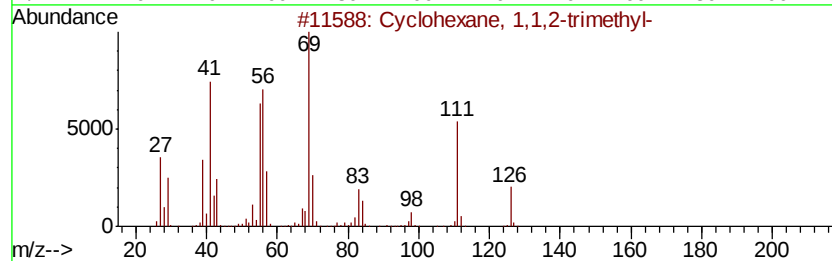
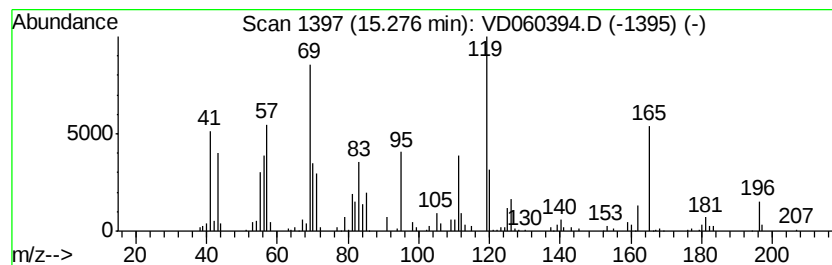
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MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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

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Peak Number 8 unknown15.28 Concentration Rank 10

| R.T.      | EstConc                            | Area   | Relative to ISTD       | R.T.        |      |
|-----------|------------------------------------|--------|------------------------|-------------|------|
| 15.28     | 5.51 ug/l                          | 583268 | 1,4-Dichlorobenzene-d4 | 13.39       |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm                | CAS#        | Qual |
| 1         | Cvclohexane, 1,1,2-trimethyl-      | 126    | C9H18                  | 007094-26-0 | 38   |
| 2         | 2-(Acetylmethylene)tetrahydrofuran | 126    | C7H10O2                | 112595-65-0 | 18   |
| 3         | Cvclopentane, butyl-               | 126    | C9H18                  | 002040-95-1 | 14   |
| 4         | Cvclopentane, 1,2-dibutyl-         | 182    | C13H26                 | 062199-52-4 | 14   |
| 5         | 2-Methyl-2-octene                  | 126    | C9H18                  | 016993-86-5 | 14   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

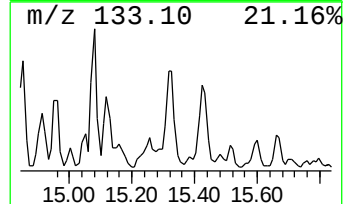
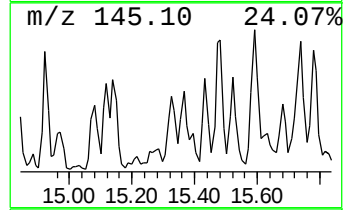
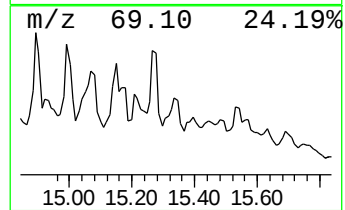
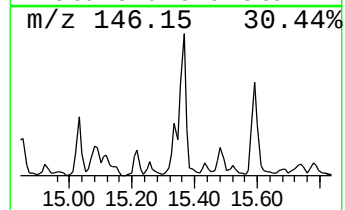
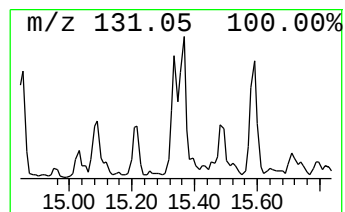
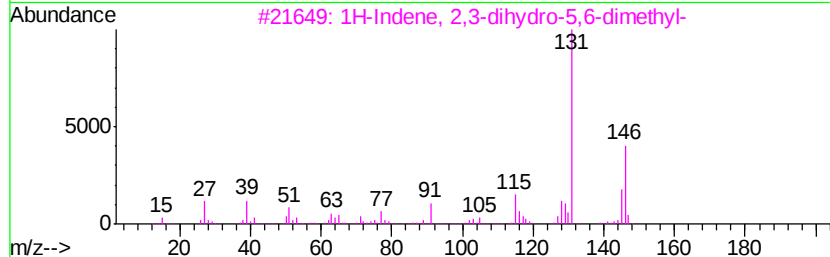
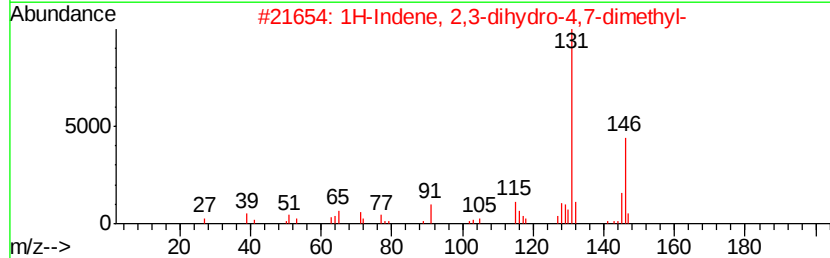
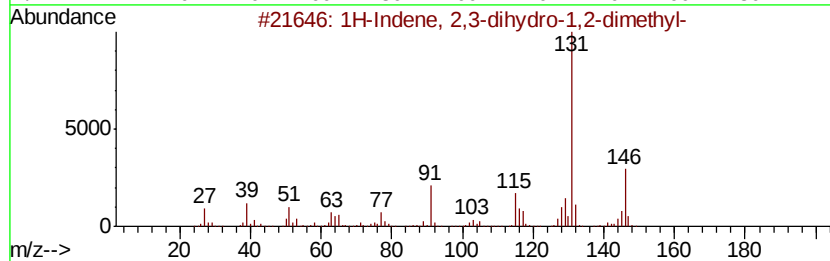
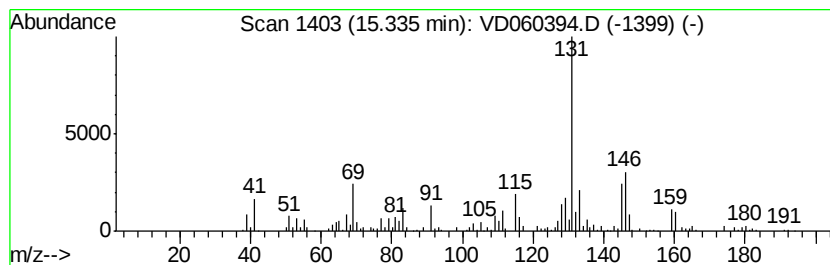
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.34 | 6.53 ug/l | 690929 | 1,4-Dichlorobenzene-d4 | 13.39 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 64   |
| 2    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 64   |
| 3    |    | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14  | 001075-22-5 | 64   |
| 4    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 58   |
| 5    |    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

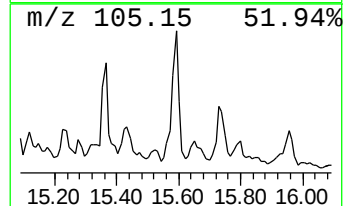
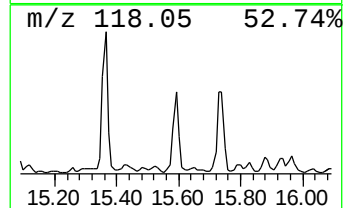
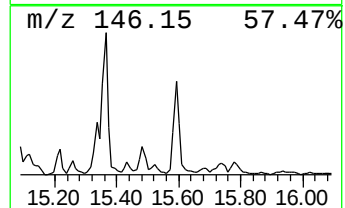
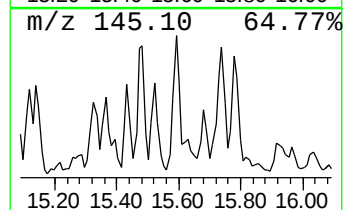
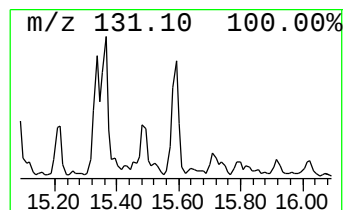
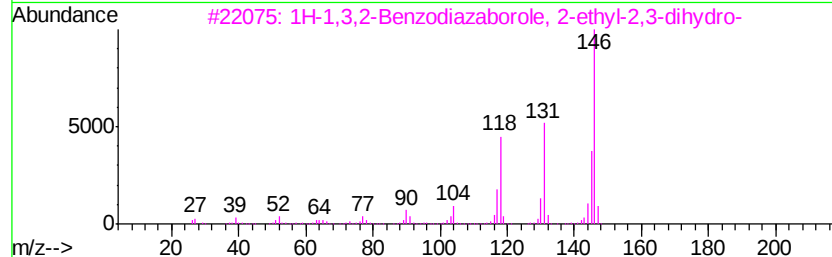
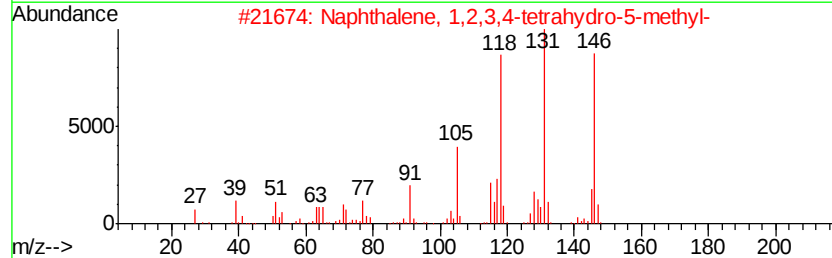
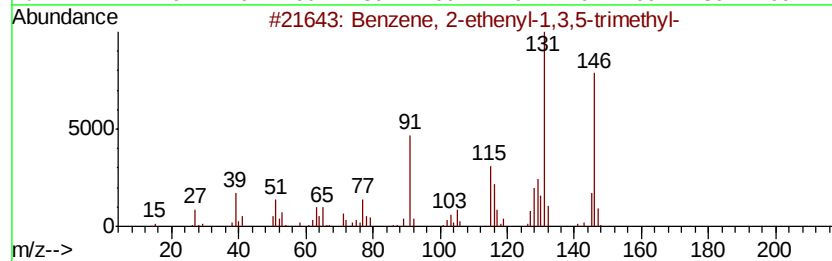
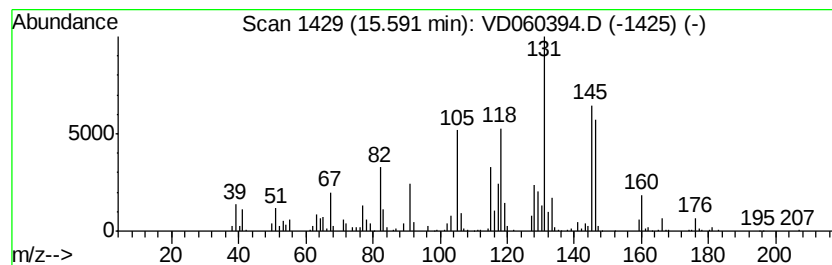
Instrument :  
MSVOA\_D  
ClientSampleID :  
FDSB-08(20-22)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260

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

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Peak Number 10 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 4

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------------|------------------------|----------------|
| 15.59   | 9.32 ug/l | 985926                              | 1,4-Dichlorobenzene-d4 | 13.39          |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |           | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 C11H14             | 000769-25-5 60 |
| 2       |           | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 002809-64-5 58 |
| 3       |           | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 C8H11BN2           | 074663-81-3 58 |
| 4       |           | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001680-51-9 58 |
| 5       |           | 1H-Benzimidazole, 5,6-dimethyl-     | 146 C9H10N2            | 000582-60-5 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD111618\  
Data File : VD060394.D  
Acq On : 16 Nov 2018 13:21  
Operator : JC/SY  
Sample : J5911-04  
Misc : 5.06g/5ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
FDSB-08(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.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, pentyl- | 14.17 | 7.1     | ug/l  | 749087   | 4                     | 13.39 | 5292140 | 50.0 |
| Benzene, (1-methy... | 14.53 | 16.9    | ug/l  | 1792780  | 4                     | 13.39 | 5292140 | 50.0 |
| unknown14.83         | 14.83 | 5.8     | ug/l  | 608991   | 4                     | 13.39 | 5292140 | 50.0 |
| Cyclohexane, 2-bu... | 14.89 | 8.8     | ug/l  | 930588   | 4                     | 13.39 | 5292140 | 50.0 |
| Cyclohexane, butyl-  | 14.92 | 6.6     | ug/l  | 702184   | 4                     | 13.39 | 5292140 | 50.0 |
| Bacchotricuneatin c  | 14.99 | 30.8    | ug/l  | 3261770  | 4                     | 13.39 | 5292140 | 50.0 |
| unknown15.08         | 15.08 | 11.8    | ug/l  | 1249690  | 4                     | 13.39 | 5292140 | 50.0 |
| unknown15.28         | 15.28 | 5.5     | ug/l  | 583268   | 4                     | 13.39 | 5292140 | 50.0 |
| 1H-Indene, 2,3-di... | 15.34 | 6.5     | ug/l  | 690929   | 4                     | 13.39 | 5292140 | 50.0 |
| Benzene, 2-etheny... | 15.59 | 9.3     | ug/l  | 985926   | 4                     | 13.39 | 5292140 | 50.0 |