

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
 Data File : VD062022.D  
 Acq On : 25 Apr 2019 5:52  
 Operator : VA/AP  
 Sample : K2200-07  
 Misc : 6.48g/5ml/MSVOA D/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-042319-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\82D042319S.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      | 1.570    | 13         | 15       | 36        | rVB   | 115110      | 339481     | 18.99%       | 1.015%     |
| 2      | 3.233    | 178        | 184      | 190       | rBV   | 18795       | 49032      | 2.74%        | 0.147%     |
| 3      | 3.834    | 238        | 245      | 252       | rBV2  | 60938       | 184064     | 10.30%       | 0.550%     |
| 4      | 6.935    | 554        | 560      | 567       | rBV   | 270346      | 767423     | 42.93%       | 2.295%     |
| 5      | 7.063    | 567        | 573      | 588       | rVB   | 445549      | 1318832    | 73.78%       | 3.944%     |
| 6      | 7.467    | 608        | 614      | 626       | rBV   | 178847      | 479922     | 26.85%       | 1.435%     |
| 7      | 8.225    | 686        | 691      | 711       | rBV   | 548676      | 1484060    | 83.02%       | 4.438%     |
| 8      | 10.420   | 908        | 914      | 922       | rBV   | 530978      | 1142273    | 63.90%       | 3.416%     |
| 9      | 12.182   | 1090       | 1093     | 1097      | rVB3  | 12382       | 25691      | 1.44%        | 0.077%     |
| 10     | 12.320   | 1103       | 1107     | 1108      | rBV   | 12623       | 21568      | 1.21%        | 0.065%     |
| 11     | 12.369   | 1108       | 1112     | 1119      | rVB   | 775749      | 1356084    | 75.86%       | 4.056%     |
| 12     | 12.536   | 1125       | 1129     | 1134      | rVB4  | 14243       | 34951      | 1.96%        | 0.105%     |
| 13     | 12.635   | 1134       | 1139     | 1140      | rBV2  | 12427       | 21504      | 1.20%        | 0.064%     |
| 14     | 12.704   | 1144       | 1146     | 1148      | rVV   | 32213       | 50792      | 2.84%        | 0.152%     |
| 15     | 12.743   | 1148       | 1150     | 1155      | rVB3  | 43323       | 79754      | 4.46%        | 0.239%     |
| 16     | 13.009   | 1173       | 1177     | 1179      | rBV3  | 48658       | 96899      | 5.42%        | 0.290%     |
| 17     | 13.048   | 1179       | 1181     | 1184      | rVV   | 109745      | 164523     | 9.20%        | 0.492%     |
| 18     | 13.097   | 1184       | 1186     | 1189      | rVB   | 27602       | 36872      | 2.06%        | 0.110%     |
| 19     | 13.225   | 1193       | 1199     | 1202      | rBV2  | 88655       | 151044     | 8.45%        | 0.452%     |
| 20     | 13.314   | 1202       | 1208     | 1215      | rBV4  | 115144      | 288291     | 16.13%       | 0.862%     |
| 21     | 13.403   | 1215       | 1217     | 1221      | rVB   | 36854       | 60262      | 3.37%        | 0.180%     |
| 22     | 13.491   | 1221       | 1226     | 1228      | rBV4  | 57862       | 146787     | 8.21%        | 0.439%     |
| 23     | 13.560   | 1228       | 1233     | 1237      | rBV2  | 676191      | 1084500    | 60.67%       | 3.243%     |
| 24     | 13.609   | 1237       | 1238     | 1242      | rVB4  | 18784       | 31564      | 1.77%        | 0.094%     |
| 25     | 13.668   | 1242       | 1244     | 1246      | rBV   | 119475      | 150217     | 8.40%        | 0.449%     |
| 26     | 13.718   | 1246       | 1249     | 1253      | rVB   | 108365      | 154418     | 8.64%        | 0.462%     |
| 27     | 13.777   | 1253       | 1255     | 1257      | rVB   | 47984       | 49759      | 2.78%        | 0.149%     |
| 28     | 13.855   | 1257       | 1263     | 1264      | rBV2  | 109331      | 241247     | 13.50%       | 0.721%     |
| 29     | 13.885   | 1264       | 1266     | 1268      | rBV   | 170375      | 210927     | 11.80%       | 0.631%     |
| 30     | 13.934   | 1268       | 1271     | 1274      | rVV   | 447912      | 585459     | 32.75%       | 1.751%     |
| 31     | 13.974   | 1274       | 1275     | 1278      | rVB2  | 102763      | 113599     | 6.36%        | 0.340%     |
| 32     | 14.033   | 1278       | 1281     | 1283      | rBV3  | 34950       | 51784      | 2.90%        | 0.155%     |
| 33     | 14.092   | 1283       | 1287     | 1289      | rBV   | 303150      | 530717     | 29.69%       | 1.587%     |
| 34     | 14.121   | 1289       | 1290     | 1292      | rVB   | 108766      | 96442      | 5.40%        | 0.288%     |

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 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\82D042319S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 14.200 | 1292 | 1298 | 1301 | rBV  | 184171  | 319892  | 17.90%  | 0.957% |
| 36 | 14.239 | 1301 | 1302 | 1303 | rBV  | 48983   | 49556   | 2.77%   | 0.148% |
| 37 | 14.328 | 1309 | 1311 | 1312 | rBV  | 65826   | 81595   | 4.56%   | 0.244% |
| 38 | 14.377 | 1313 | 1316 | 1320 | rVV5 | 129853  | 285904  | 15.99%  | 0.855% |
| 39 | 14.436 | 1320 | 1322 | 1325 | rVV2 | 249252  | 420273  | 23.51%  | 1.257% |
| 40 | 14.486 | 1325 | 1327 | 1328 | rVV2 | 89636   | 150447  | 8.42%   | 0.450% |
| 41 | 14.525 | 1328 | 1331 | 1333 | rVV  | 998276  | 1452142 | 81.24%  | 4.343% |
| 42 | 14.564 | 1333 | 1335 | 1339 | rVV  | 841073  | 1129971 | 63.21%  | 3.379% |
| 43 | 14.653 | 1339 | 1344 | 1346 | rVV3 | 136402  | 346582  | 19.39%  | 1.037% |
| 44 | 14.712 | 1346 | 1350 | 1351 | rVV  | 422597  | 585038  | 32.73%  | 1.750% |
| 45 | 14.732 | 1351 | 1352 | 1355 | rVV  | 342614  | 459312  | 25.70%  | 1.374% |
| 46 | 14.781 | 1355 | 1357 | 1359 | rVV  | 499487  | 728166  | 40.74%  | 2.178% |
| 47 | 14.810 | 1359 | 1360 | 1363 | rVV3 | 275473  | 377866  | 21.14%  | 1.130% |
| 48 | 14.860 | 1363 | 1365 | 1367 | rVV2 | 109880  | 221684  | 12.40%  | 0.663% |
| 49 | 14.919 | 1367 | 1371 | 1373 | rVV2 | 326278  | 686456  | 38.40%  | 2.053% |
| 50 | 14.948 | 1373 | 1374 | 1376 | rVV  | 145186  | 176599  | 9.88%   | 0.528% |
| 51 | 14.978 | 1376 | 1377 | 1378 | rVV  | 168906  | 185498  | 10.38%  | 0.555% |
| 52 | 15.007 | 1378 | 1380 | 1383 | rVV3 | 276112  | 571964  | 32.00%  | 1.711% |
| 53 | 15.057 | 1383 | 1385 | 1387 | rVV  | 538476  | 713525  | 39.92%  | 2.134% |
| 54 | 15.096 | 1387 | 1389 | 1391 | rVV  | 182012  | 284932  | 15.94%  | 0.852% |
| 55 | 15.145 | 1391 | 1394 | 1399 | rVV2 | 461695  | 1077914 | 60.30%  | 3.224% |
| 56 | 15.224 | 1399 | 1402 | 1405 | rVV4 | 191572  | 486402  | 27.21%  | 1.455% |
| 57 | 15.273 | 1405 | 1407 | 1410 | rVV2 | 336027  | 686109  | 38.38%  | 2.052% |
| 58 | 15.322 | 1410 | 1412 | 1413 | rVV  | 197308  | 288918  | 16.16%  | 0.864% |
| 59 | 15.342 | 1413 | 1414 | 1416 | rVV  | 240578  | 341447  | 19.10%  | 1.021% |
| 60 | 15.381 | 1416 | 1418 | 1420 | rVV  | 445312  | 546692  | 30.58%  | 1.635% |
| 61 | 15.431 | 1420 | 1423 | 1425 | rVV2 | 337260  | 557300  | 31.18%  | 1.667% |
| 62 | 15.470 | 1425 | 1427 | 1430 | rVV3 | 188856  | 406803  | 22.76%  | 1.217% |
| 63 | 15.529 | 1430 | 1433 | 1434 | rVV2 | 141453  | 310800  | 17.39%  | 0.930% |
| 64 | 15.568 | 1434 | 1437 | 1440 | rVV3 | 263230  | 704619  | 39.42%  | 2.107% |
| 65 | 15.637 | 1442 | 1444 | 1445 | rVV  | 179870  | 265148  | 14.83%  | 0.793% |
| 66 | 15.677 | 1445 | 1448 | 1453 | rVV2 | 1007739 | 1787543 | 100.00% | 5.346% |
| 67 | 15.736 | 1453 | 1454 | 1457 | rVV2 | 177316  | 316026  | 17.68%  | 0.945% |
| 68 | 15.795 | 1457 | 1460 | 1464 | rVV  | 728879  | 1281697 | 71.70%  | 3.833% |
| 69 | 15.913 | 1464 | 1472 | 1473 | rVV2 | 187417  | 770966  | 43.13%  | 2.306% |
| 70 | 15.933 | 1473 | 1474 | 1476 | rVV  | 265324  | 327113  | 18.30%  | 0.978% |
| 71 | 16.002 | 1476 | 1481 | 1483 | rVV2 | 236554  | 653952  | 36.58%  | 1.956% |

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 EO-02-042319-A

## 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\82D042319S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 16.051 | 1483 | 1486 | 1487 | rVV3 | 94508  | 202847 | 11.35% | 0.607% |
| 73 | 16.110 | 1490 | 1492 | 1494 | rVV3 | 72091  | 154521 | 8.64%  | 0.462% |
| 74 | 16.149 | 1494 | 1496 | 1497 | rVV2 | 89655  | 144344 | 8.07%  | 0.432% |
| 75 | 16.179 | 1497 | 1499 | 1501 | rVV  | 198537 | 276381 | 15.46% | 0.827% |
| 76 | 16.238 | 1501 | 1505 | 1507 | rVV  | 177616 | 389248 | 21.78% | 1.164% |
| 77 | 16.297 | 1509 | 1511 | 1516 | rVV4 | 51216  | 126924 | 7.10%  | 0.380% |
| 78 | 16.366 | 1516 | 1518 | 1521 | rVV2 | 62810  | 119711 | 6.70%  | 0.358% |
| 79 | 16.415 | 1521 | 1523 | 1526 | rVV3 | 32654  | 69844  | 3.91%  | 0.209% |
| 80 | 16.484 | 1526 | 1530 | 1531 | rVV2 | 42350  | 87697  | 4.91%  | 0.262% |
| 81 | 16.513 | 1531 | 1533 | 1537 | rVV  | 91950  | 134488 | 7.52%  | 0.402% |
| 82 | 16.573 | 1537 | 1539 | 1543 | rVV3 | 11984  | 27509  | 1.54%  | 0.082% |
| 83 | 16.632 | 1543 | 1545 | 1548 | rVV2 | 20310  | 29448  | 1.65%  | 0.088% |
| 84 | 16.730 | 1552 | 1555 | 1558 | rVB2 | 23157  | 36770  | 2.06%  | 0.110% |

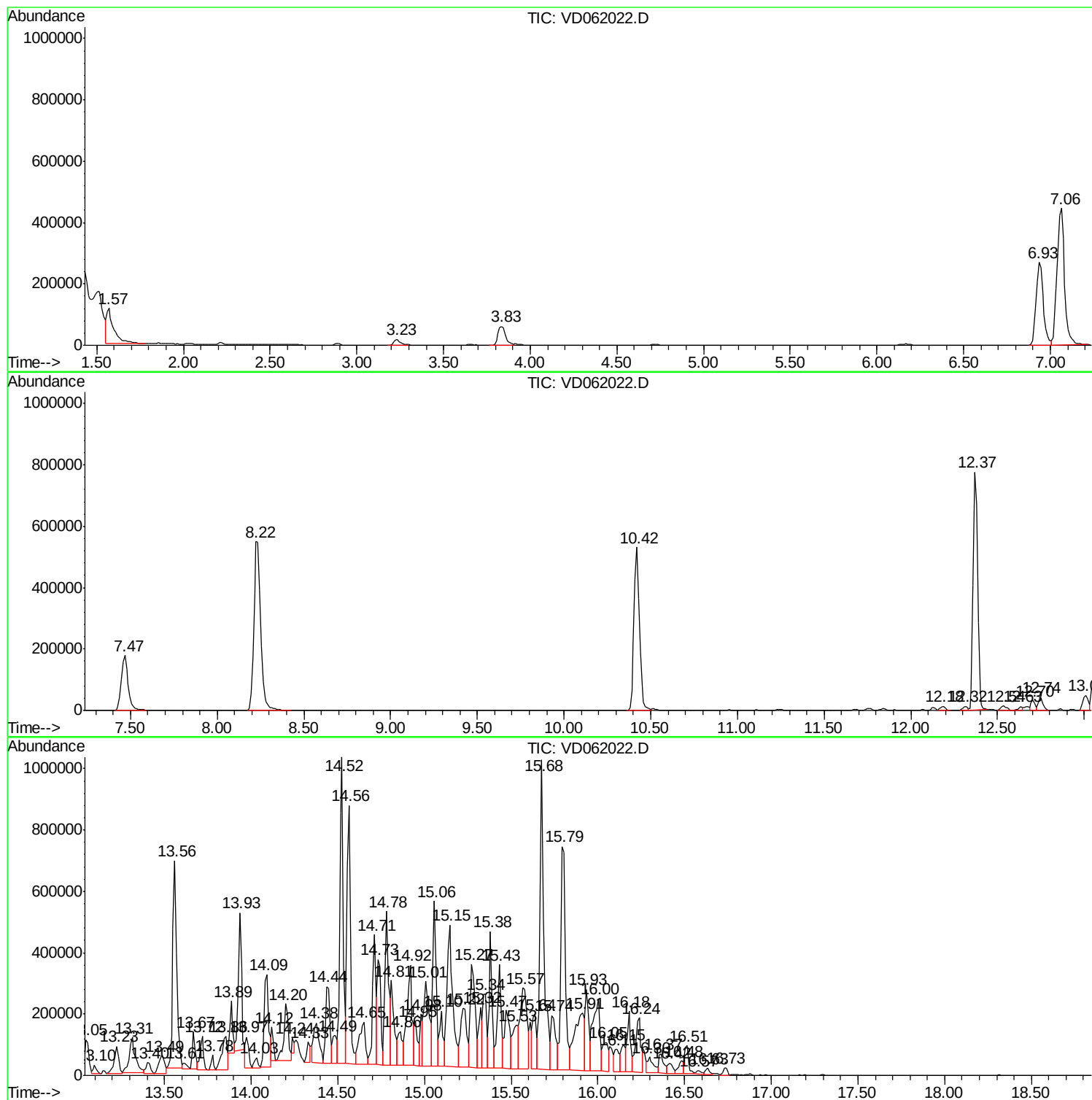
Sum of corrected areas: 33437325

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
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ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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



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ALS Vial : 42 Sample Multiplier: 1

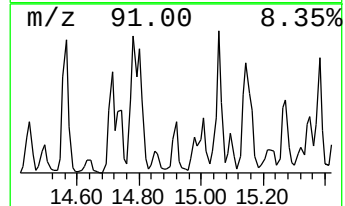
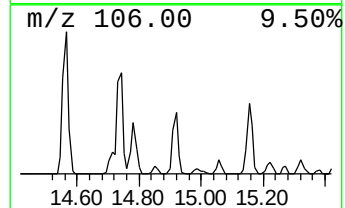
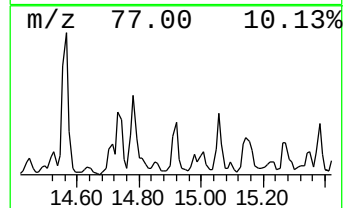
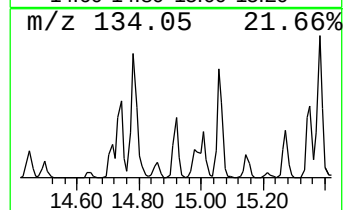
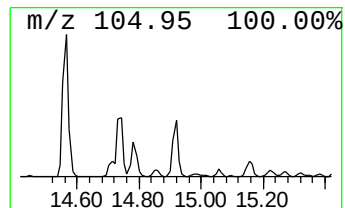
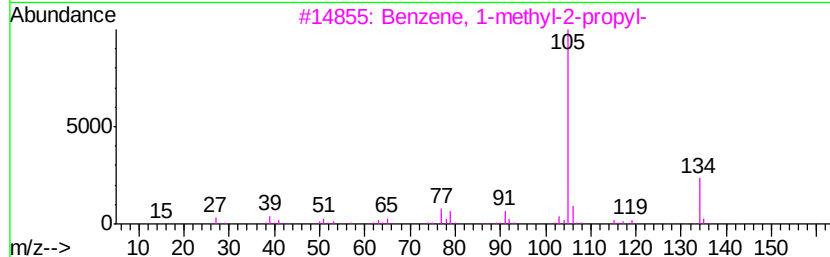
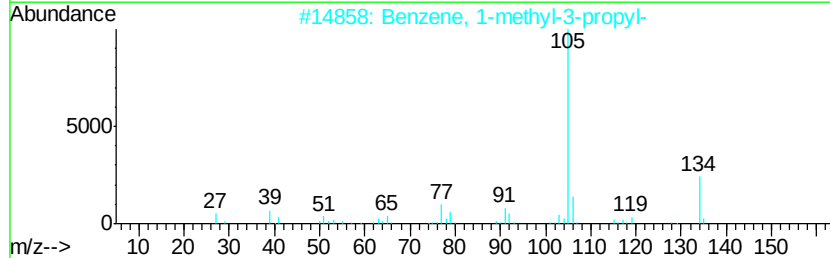
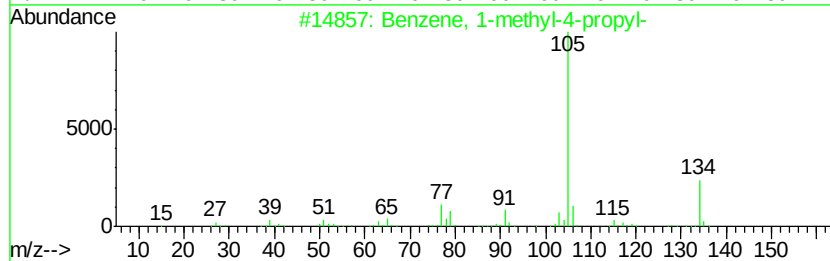
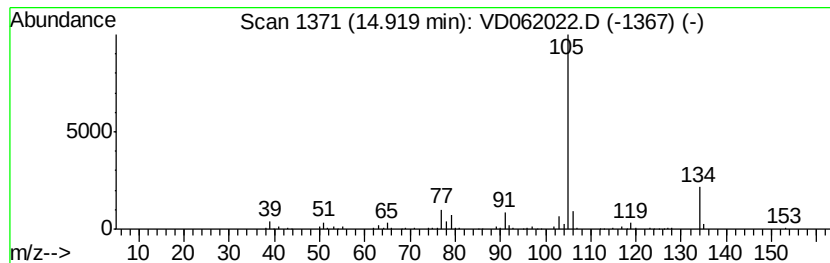
Instrument :  
MSVOA\_D  
ClientSampleID :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-methyl-4-propyl- Concentration Rank 8

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.92   | 23.64 ug/l                          | 686456       | 1,4-Dichlorobenzene-d4 | 14.52     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1-methyl-4-propyl-         | 134 C10H14   | 001074-55-1            | 94        |
| 2       | Benzene, 1-methyl-3-propyl-         | 134 C10H14   | 001074-43-7            | 94        |
| 3       | Benzene, 1-methyl-2-propyl-         | 134 C10H14   | 001074-17-5            | 91        |
| 4       | Benzene, (1-methylpropyl)-          | 134 C10H14   | 000135-98-8            | 91        |
| 5       | Benzeneacetaldehyde, .alpha.-met... | 134 C9H10O   | 000093-53-8            | 86        |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

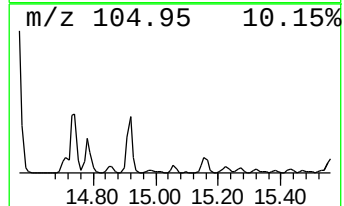
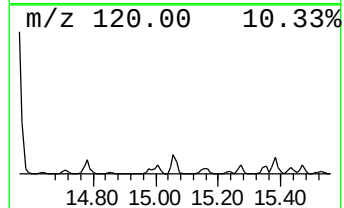
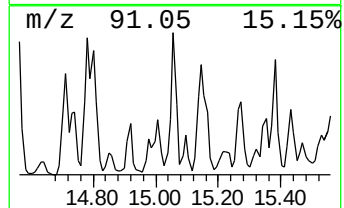
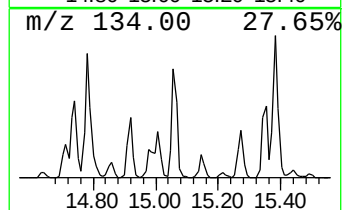
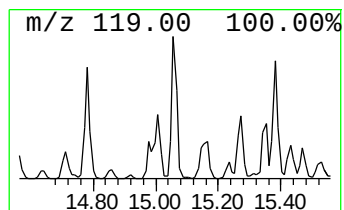
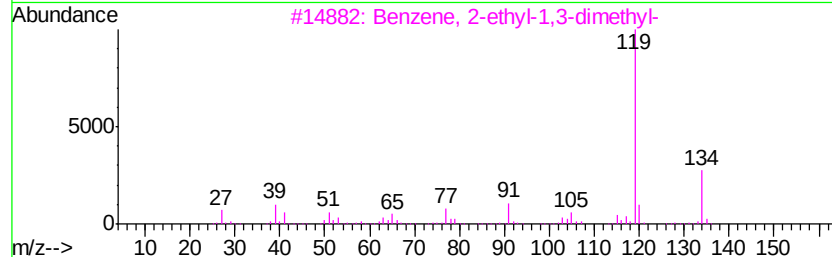
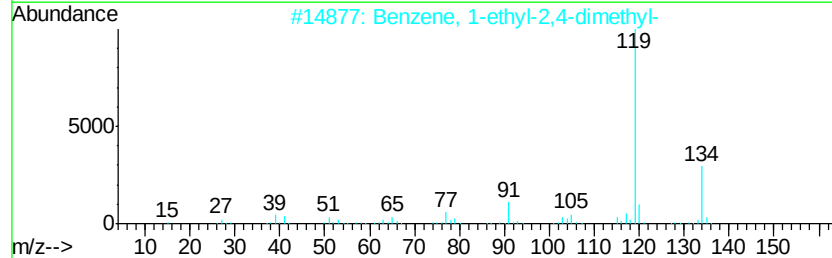
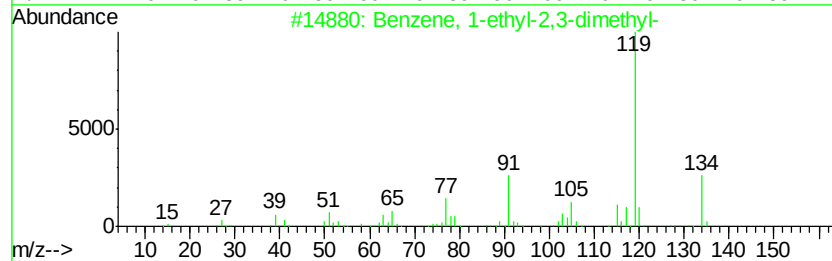
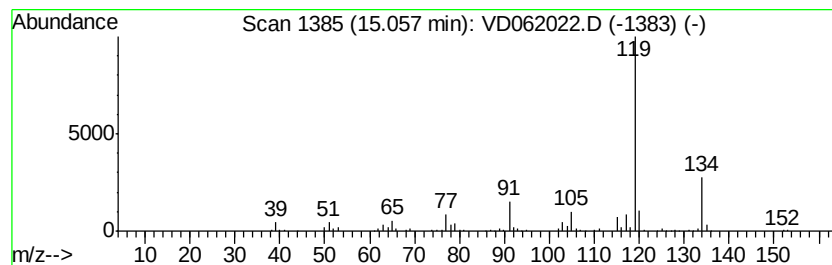
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.06 | 24.57 ug/l | 713525 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 96   |
| 2    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 95   |
| 3    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 95   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |



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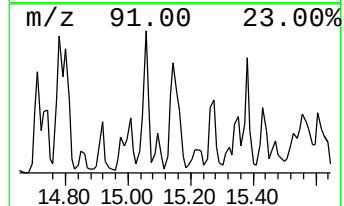
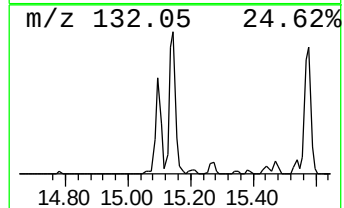
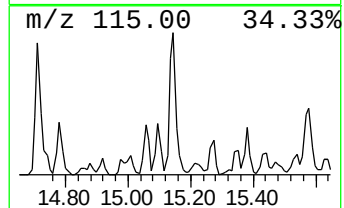
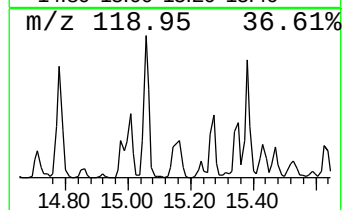
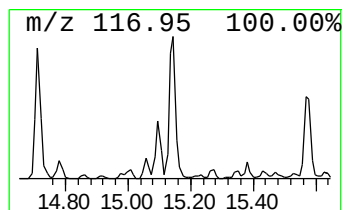
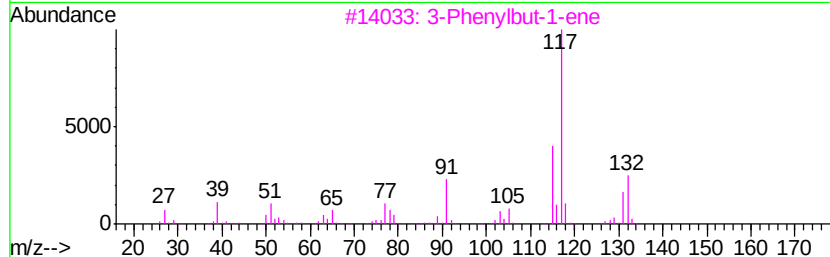
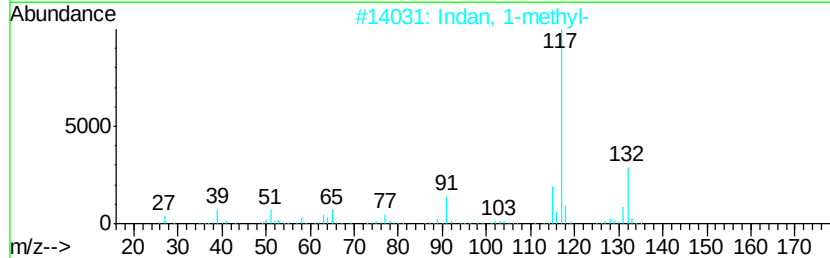
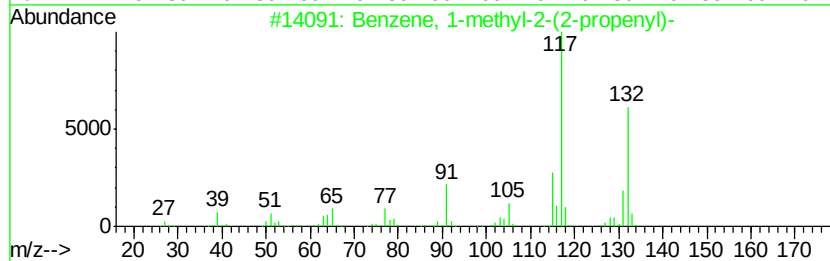
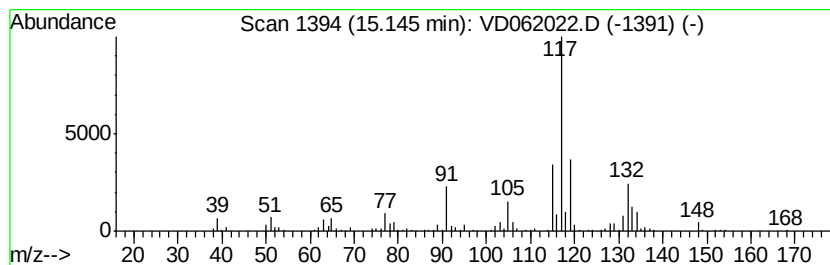
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MSVOA\_D  
ClientSampleID :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

| R.T.    | EstConc    | Area                              | Relative to ISTD       | R.T.            |
|---------|------------|-----------------------------------|------------------------|-----------------|
| 15.15   | 37.11 ug/l | 1077910                           | 1,4-Dichlorobenzene-d4 | 14.52           |
| Hit# of | 5          | Tentative ID                      | MW MolForm             | CAS# Qual       |
| 1       |            | Benzene, 1-methyl-2-(2-propenyl)- | 132 C10H12             | 001587-04-8 76  |
| 2       |            | Indan, 1-methyl-                  | 132 C10H12             | 000767-58-8 76  |
| 3       |            | 3-Phenylbut-1-ene                 | 132 C10H12             | 000934-10-1 76  |
| 4       |            | Benzene, (2-methyl-1-propenyl)-   | 132 C10H12             | 000768-49-0 76  |
| 5       |            | Benzene, (2-methylcyclopropyl)-   | 132 C10H12             | 1000327-39-0 70 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

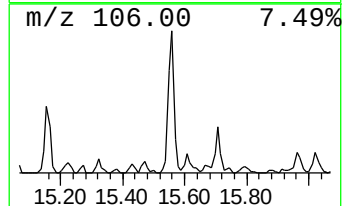
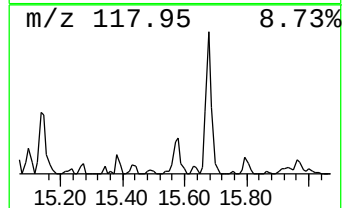
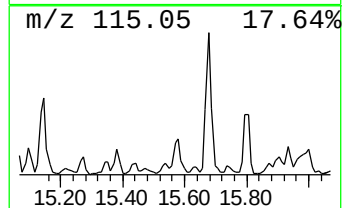
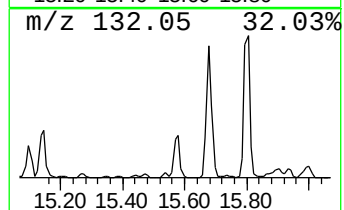
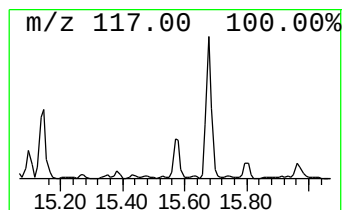
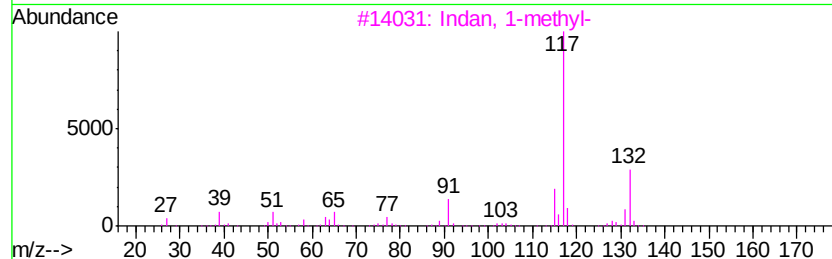
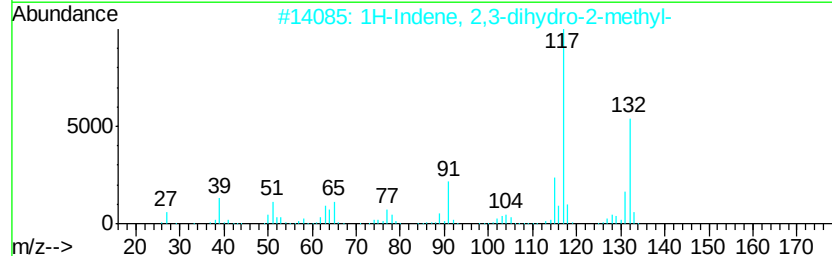
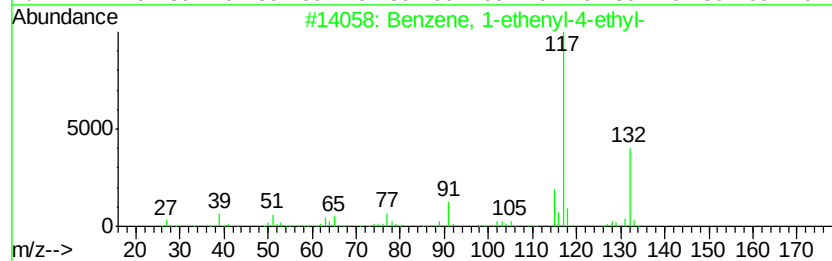
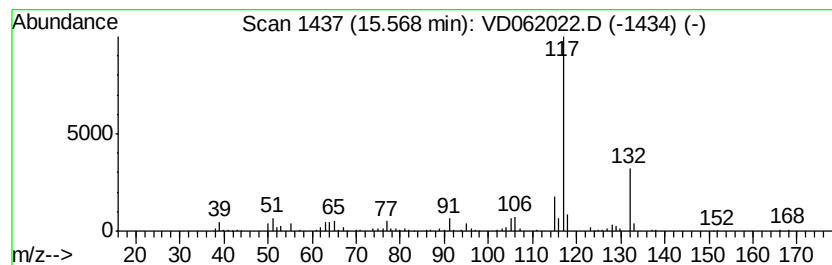
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

| R.T.    | EstConc    | Area                             | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------------|------------------------|----------------|
| 15.57   | 24.26 ug/l | 704619                           | 1,4-Dichlorobenzene-d4 | 14.52          |
| Hit# of | 5          | Tentative ID                     | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1-ethenyl-4-ethyl-      | 132 C10H12             | 003454-07-7 87 |
| 2       |            | 1H-Indene, 2,3-dihydro-2-methyl- | 132 C10H12             | 000824-63-5 86 |
| 3       |            | Indan, 1-methyl-                 | 132 C10H12             | 000767-58-8 83 |
| 4       |            | Benzene, (2-methyl-2-propenyl)-  | 132 C10H12             | 003290-53-7 72 |
| 5       |            | Benzene, 1-ethenyl-3-ethyl-      | 132 C10H12             | 007525-62-4 59 |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

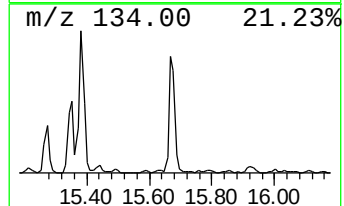
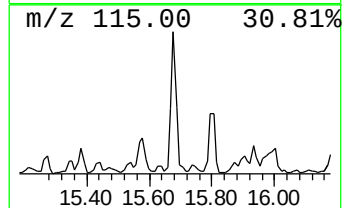
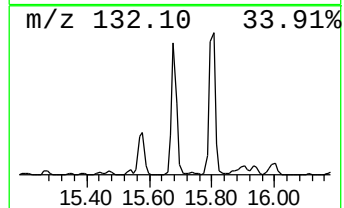
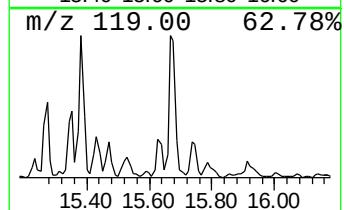
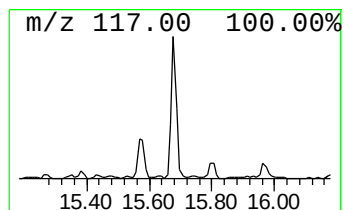
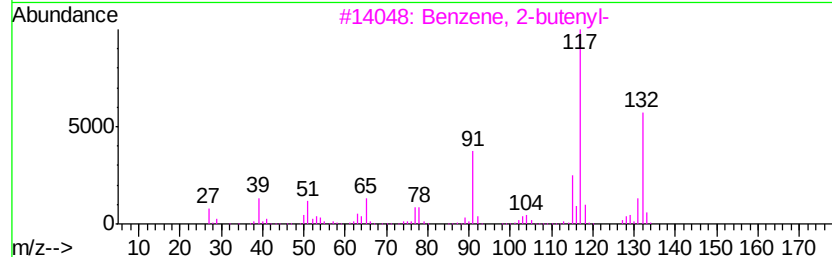
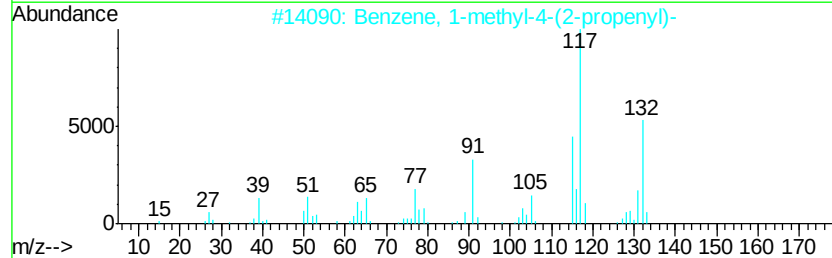
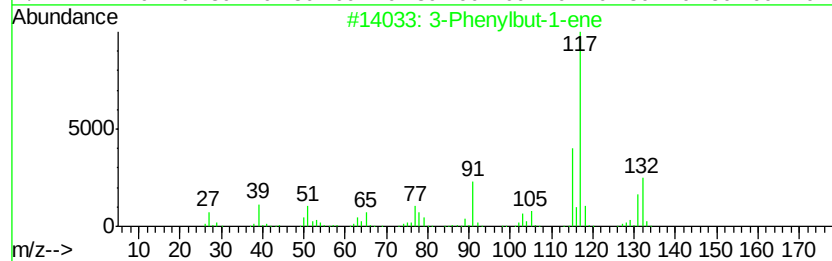
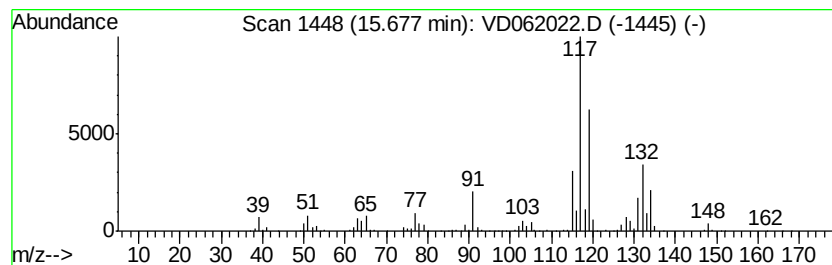
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 3-Phenylbut-1-ene Concentration Rank 1

| R.T.    | EstConc    | Area                              | Relative to ISTD       | R.T.           |
|---------|------------|-----------------------------------|------------------------|----------------|
| 15.68   | 61.55 ug/l | 1787540                           | 1,4-Dichlorobenzene-d4 | 14.52          |
| Hit# of | 5          | Tentative ID                      | MW MolForm             | CAS# Qual      |
| 1       |            | 3-Phenylbut-1-ene                 | 132 C10H12             | 000934-10-1 64 |
| 2       |            | Benzene, 1-methyl-4-(2-propenyl)- | 132 C10H12             | 003333-13-9 64 |
| 3       |            | Benzene, 2-butenyl-               | 132 C10H12             | 001560-06-1 64 |
| 4       |            | Benzene, 1-ethenyl-4-ethyl-       | 132 C10H12             | 003454-07-7 64 |
| 5       |            | Benzene, (2-methyl-1-propenyl)-   | 132 C10H12             | 000768-49-0 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

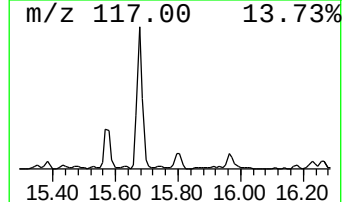
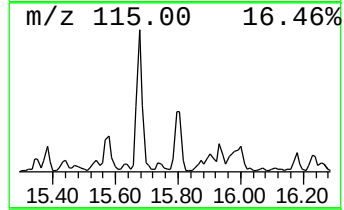
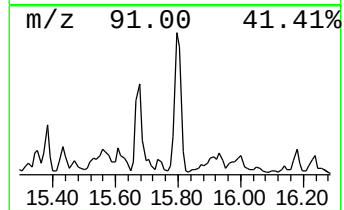
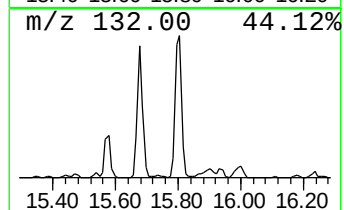
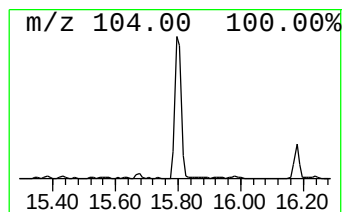
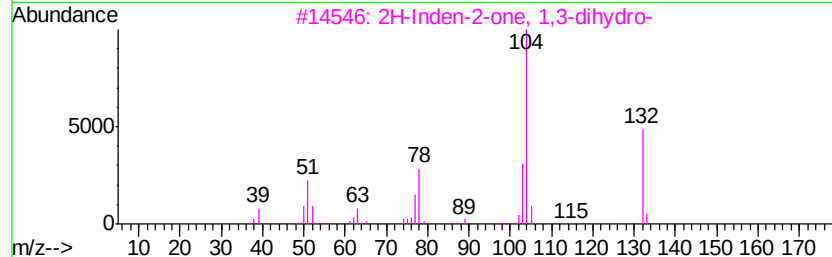
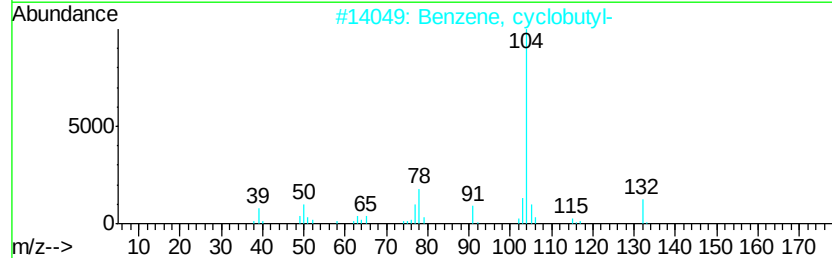
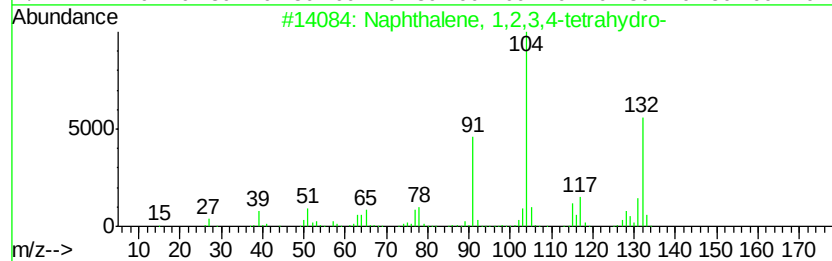
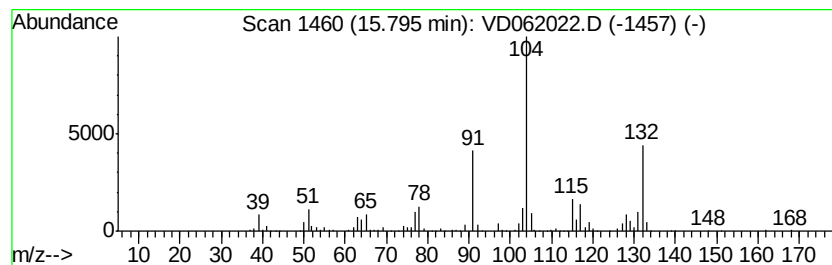
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

| R.T.      | EstConc                          | Area    | Relative to ISTD       | R.T.        |      |
|-----------|----------------------------------|---------|------------------------|-------------|------|
| 15.79     | 44.13 ug/l                       | 1281700 | 1,4-Dichlorobenzene-d4 | 14.52       |      |
| Hit# of 5 | Tentative ID                     | MW      | MolForm                | CAS#        | Qual |
| 1         | Naphthalene, 1,2,3,4-tetrahydro- | 132     | C10H12                 | 000119-64-2 | 96   |
| 2         | Benzene, cyclobutyl-             | 132     | C10H12                 | 004392-30-7 | 59   |
| 3         | 2H-Inden-2-one, 1,3-dihydro-     | 132     | C9H8O                  | 000615-13-4 | 58   |
| 4         | 2-Methylbenzyl cyanide           | 131     | C9H9N                  | 022364-68-7 | 46   |
| 5         | 2-Azetidinone, 4-phenyl-         | 147     | C9H9NO                 | 005661-55-2 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

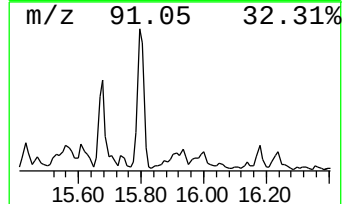
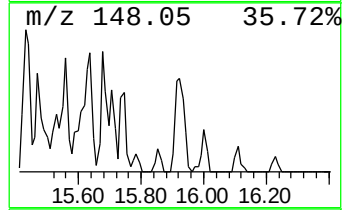
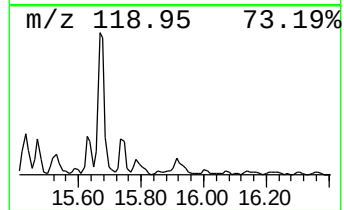
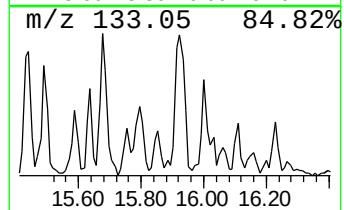
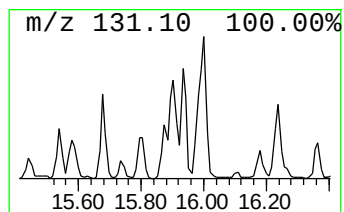
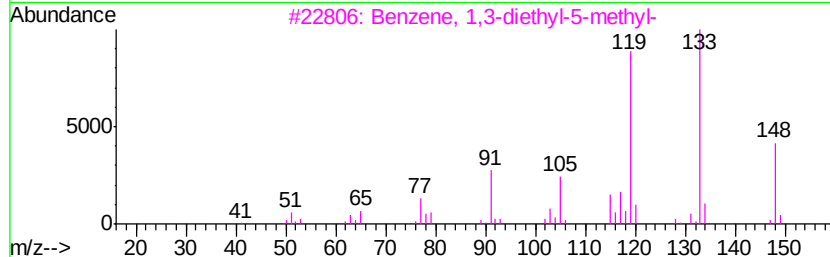
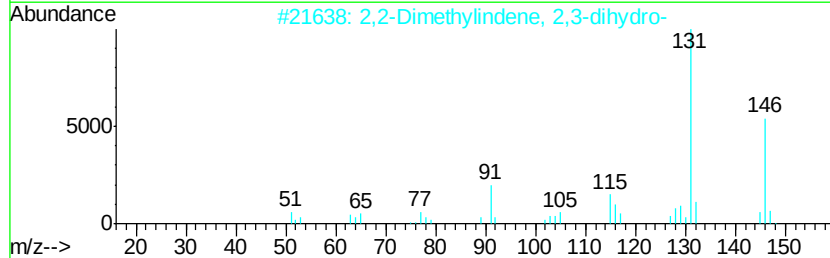
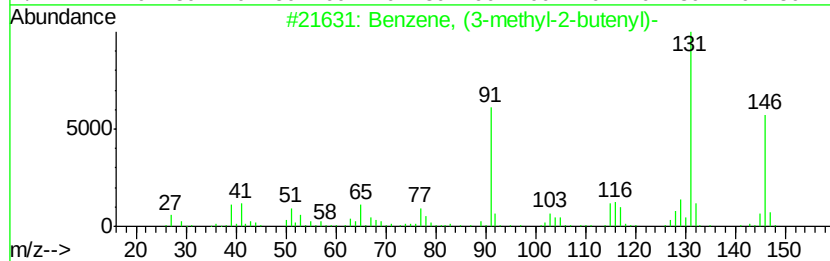
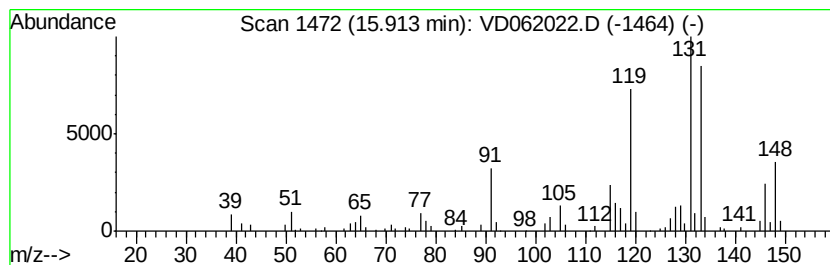
Instrument :  
MSVOA\_D  
ClientSampled :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.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 4

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.91   | 26.55 ug/l | 770966                              | 1,4-Dichlorobenzene-d4 | 14.52          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (3-methyl-2-butenyl)-      | 146 C11H14             | 004489-84-3 84 |
| 2       |            | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14             | 020836-11-7 81 |
| 3       |            | Benzene, 1,3-diethyl-5-methyl-      | 148 C11H16             | 002050-24-0 60 |
| 4       |            | Benzene, (1-methyl-1-butenyl)-      | 146 C11H14             | 053172-84-2 59 |
| 5       |            | Naphthalene, 1,2,3,4-tetrahydro-... | 146 C11H14             | 001559-81-5 55 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

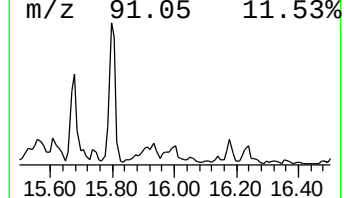
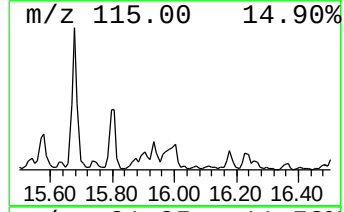
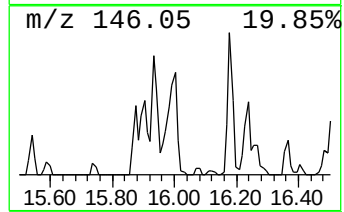
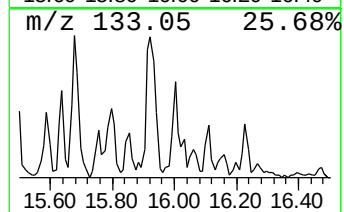
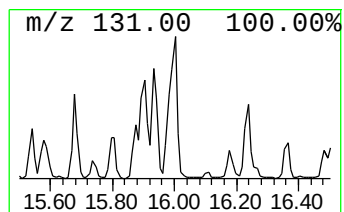
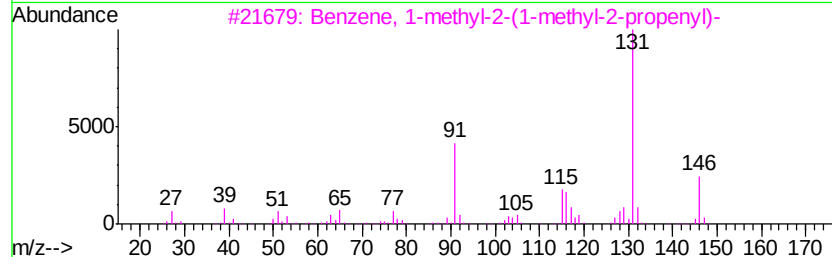
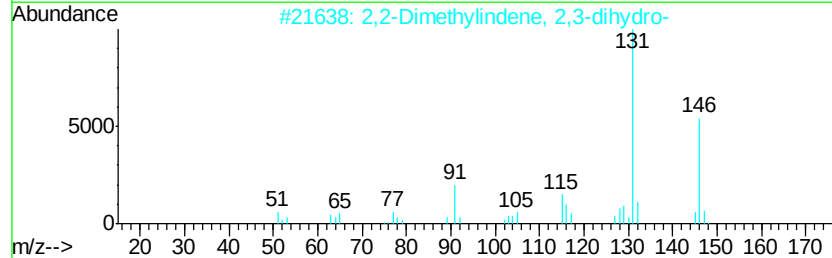
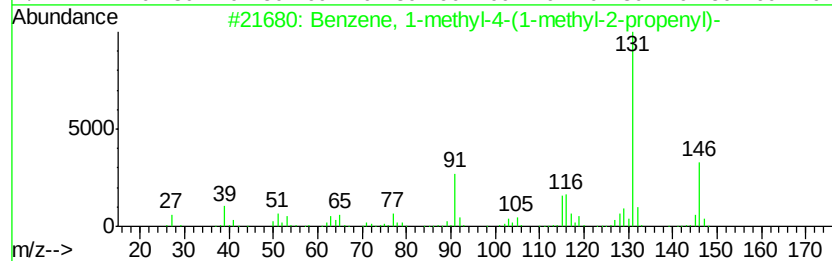
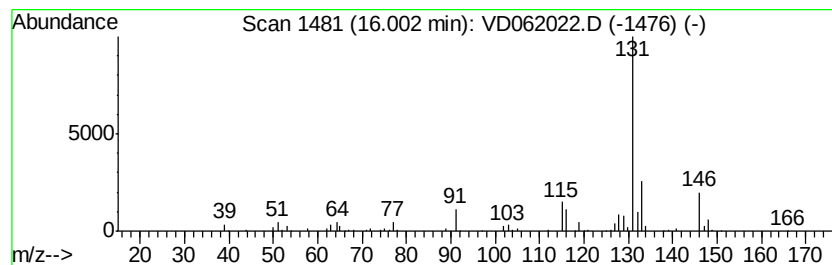
Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 16.00   | 22.52 ug/l | 653952                              | 1,4-Dichlorobenzene-d4 | 14.52          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1-methyl-4-(1-methyl-2-... | 146 C11H14             | 097664-18-1 87 |
| 2       |            | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14             | 020836-11-7 81 |
| 3       |            | Benzene, 1-methyl-2-(1-methyl-2-... | 146 C11H14             | 097664-19-2 81 |
| 4       |            | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14             | 006682-71-9 81 |
| 5       |            | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 C11H14             | 017059-48-2 81 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD042419\  
Data File : VD062022.D  
Acq On : 25 Apr 2019 5:52  
Operator : VA/AP  
Sample : K2200-07  
Misc : 6.48g/5ml/MSVOA\_D/SOIL  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-042319-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.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 |
| Benzene, 1-methyl... | 14.92 | 23.6    | ug/l  | 686456   | 4                     | 14.52 | 1452140 | 50.0 |
| Benzene, 1-ethyl-... | 15.06 | 24.6    | ug/l  | 713525   | 4                     | 14.52 | 1452140 | 50.0 |
| Benzene, 1-methyl... | 15.15 | 37.1    | ug/l  | 1077910  | 4                     | 14.52 | 1452140 | 50.0 |
| Benzene, 1-etheny... | 15.57 | 24.3    | ug/l  | 704619   | 4                     | 14.52 | 1452140 | 50.0 |
| 3-Phenylbut-1-ene    | 15.68 | 61.5    | ug/l  | 1787540  | 4                     | 14.52 | 1452140 | 50.0 |
| Naphthalene, 1,2,... | 15.79 | 44.1    | ug/l  | 1281700  | 4                     | 14.52 | 1452140 | 50.0 |
| Benzene, (3-methy... | 15.91 | 26.6    | ug/l  | 770966   | 4                     | 14.52 | 1452140 | 50.0 |
| Benzene, 1-methyl... | 16.00 | 22.5    | ug/l  | 653952   | 4                     | 14.52 | 1452140 | 50.0 |