LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

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\82D091318S.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 | 1.945 | 40 | 43 | 54 | rVB | 36456 | 116996 | 3.15% | 0.215% |
| 2 | 3.145 | 160 | 165 | 172 | rBV | 22954 | 62109 | 1.67% | 0.114% |
| 3 | 3.706 | 216 | 222 | 231 | rVB | 108637 | 289800 | 7.81% | 0.533% |
| 4 | 4.504 | 296 | 303 | 308 | rBV2 | 16716 | 46405 | 1.25% | 0.085% |
| 5 | 5.635 | 410 | 418 | 432 | rBV2 | 35786 | 136292 | 3.67% | 0.251% |
| 6 | 6.314 | 480 | 487 | 491 | rBV | 656002 | 1711667 | 46.15% | 3.147% |
| 7 | 6.393 | 491 | 495 | 512 | rVB | 1149011 | 2966870 | 80.00% | 5.455% |
| 8 | 6.767 | 525 | 533 | 549 | rBV2 | 523783 | 1416128 | 38.18% | 2.604% |
| 9 | 7.426 | 595 | 600 | 617 | rBV | 1546821 | 3708691 | 100.00% | 6.819% |
| 10 | 9.444 | 799 | 805 | 823 | rBV | 1530744 | 3364276 | 90.71% | 6.186% |
| 11 | 10.182 | 875 | 880 | 887 | rBV | 191510 | 516624 | 13.93% | 0.950% |
| 12 | 10.772 | 936 | 940 | 944 | rBV2 | 51385 | 102510 | 2.76% | 0.188% |
| 13 | 11.038 | 963 | 967 | 969 | rBV2 | 19908 | 38772 | 1.05% | 0.071% |
| 14 | 11.077 | 969 | 971 | 976 | rVB2 | 26551 | 55057 | 1.48% | 0.101% |
| 15 | 11.215 | 979 | 985 | 987 | rBV | 80733 | 155164 | 4.18% | 0.285% |
| 16 | 11.274 | 987 | 991 | 1004 | rVB | 2037156 | 3506688 | 94.55% | 6.448% |
| 17 | 11.520 | 1013 | 1016 | 1021 | rBV5 | 23657 | 81557 | 2.20% | 0.150% |
| 18 | 11.589 | 1021 | 1023 | 1025 | rVV | 52670 | 91268 | 2.46% | 0.168% |
| 19 | 11.638 | 1025 | 1028 | 1032 | rVB3 | 43738 | 103523 | 2.79% | 0.190% |
| 20 | 11.737 | 1035 | 1038 | 1042 | rBV4 | 23606 | 42341 | 1.14% | 0.078% |
| 21 | 11.884 | 1048 | 1053 | 1056 | rBV3 | 73747 | 196484 | 5.30% | 0.361% |
| 22 | 11.963 | 1059 | 1061 | 1065 | rVV3 | 38937 | 83363 | 2.25% | 0.153% |
| 23 | 12.091 | 1069 | 1074 | 1077 | rVV3 | 262371 | 489194 | 13.19% | 0.899% |
| 24 | 12.199 | 1077 | 1085 | 1088 | rVV2 | 291583 | 736246 | 19.85% | 1.354% |
| 25 | 12.268 | 1090 | 1092 | 1096 | rVB2 | 80229 | 129515 | 3.49% | 0.238% |
| 26 | 12.347 | 1096 | 1100 | 1103 | rBV3 | 157861 | 383826 | 10.35% | 0.706% |
| 27 | 12.425 | 1103 | 1108 | 1112 | rVB2 | 1475111 | 2443195 | 65.88% | 4.492% |
| 28 | 12.484 | 1112 | 1114 | 1116 | rBV2 | 53676 | 71060 | 1.92% | 0.131% |
| 29 | 12.524 | 1116 | 1118 | 1120 | rVV | 228243 | 300132 | 8.09% | 0.552% |
| 30 | 12.573 | 1120 | 1123 | 1130 | rVB2 | 373336 | 770001 | 20.76% | 1.416% |
| 31 | 12.681 | 1130 | 1134 | 1138 | rBV3 | 135819 | 296071 | 7.98% | 0.544% |
| 32 | 12.780 | 1138 | 1144 | 1146 | rBV4 | 282578 | 756762 | 20.41% | 1.391% |
| 33 | 12.819 | 1146 | 1148 | 1152 | rVB | 484801 | 827584 | 22.31% | 1.522% |
| 34 | 12.888 | 1152 | 1155 | 1156 | rBV2 | 54057 | 90249 | 2.43% | 0.166% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

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\82D091318S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.917 | 1156 | 1158 | 1159 | rVV | 73956 | 87065 | 2.35% | 0.160% |
| 36 | 12.957 | 1159 | 1162 | 1166 | rVV4 | 162904 | 421691 | 11.37% | 0.775% |
| 37 | 13.016 | 1166 | 1168 | 1169 | rVV | 138983 | 198176 | 5.34% | 0.364% |
| 38 | 13.055 | 1169 | 1172 | 1174 | rVV | 764425 | 1208266 | 32.58% | 2.222% |
| 39 | 13.104 | 1174 | 1177 | 1182 | rVV4 | 212173 | 468496 | 12.63% | 0.861% |
| 40 | 13.173 | 1182 | 1184 | 1186 | rVV | 132072 | 220857 | 5.96% | 0.406% |
| 41 | 13.223 | 1186 | 1189 | 1193 | rVV3 | 463075 | 918760 | 24.77% | 1.689% |
| 42 | 13.282 | 1193 | 1195 | 1201 | rVV3 | 546292 | 1246321 | 33.61% | 2.292% |
| 43 | 13.370 | 1201 | 1204 | 1208 | rVV | 1999499 | 3161553 | 85.25% | 5.813% |
| 44 | 13.429 | 1208 | 1210 | 1212 | rVV | 271519 | 381331 | 10.28% | 0.701% |
| 45 | 13.498 | 1214 | 1217 | 1220 | rVV2 | 354285 | 539487 | 14.55% | 0.992% |
| 46 | 13.557 | 1220 | 1223 | 1227 | rVB2 | 222833 | 386165 | 10.41% | 0.710% |
| 47 | 13.626 | 1227 | 1230 | 1231 | rBV | 125501 | 191844 | 5.17% | 0.353% |
| 48 | 13.655 | 1231 | 1233 | 1236 | rVV3 | 460952 | 787845 | 21.24% | 1.449% |
| 49 | 13.754 | 1236 | 1243 | 1245 | rVV2 | 337806 | 1285901 | 34.67% | 2.364% |
| 50 | 13.793 | 1245 | 1247 | 1251 | rVV3 | 295382 | 613283 | 16.54% | 1.128% |
| 51 | 13.862 | 1251 | 1254 | 1256 | rVV3 | 381465 | 838165 | 22.60% | 1.541% |
| 52 | 13.902 | 1256 | 1258 | 1260 | rVV2 | 287355 | 437922 | 11.81% | 0.805% |
| 53 | 13.941 | 1260 | 1262 | 1263 | rVV | 124835 | 212011 | 5.72% | 0.390% |
| 54 | 13.980 | 1263 | 1266 | 1271 | rVV3 | 307835 | 844804 | 22.78% | 1.553% |
| 55 | 14.069 | 1271 | 1275 | 1277 | rVV4 | 186629 | 397049 | 10.71% | 0.730% |
| 56 | 14.128 | 1277 | 1281 | 1282 | rVV4 | 362194 | 553896 | 14.94% | 1.018% |
| 57 | 14.157 | 1282 | 1284 | 1286 | rVV2 | 554722 | 907800 | 24.48% | 1.669% |
| 58 | 14.187 | 1286 | 1287 | 1289 | rVV2 | 325831 | 429535 | 11.58% | 0.790% |
| 59 | 14.226 | 1289 | 1291 | 1293 | rVB | 289822 | 365032 | 9.84% | 0.671% |
| 60 | 14.275 | 1293 | 1296 | 1299 | rBV2 | 427211 | 733635 | 19.78% | 1.349% |
| 61 | 14.315 | 1299 | 1300 | 1302 | rVV2 | 90348 | 109443 | 2.95% | 0.201% |
| 62 | 14.354 | 1302 | 1304 | 1305 | rVV | 78702 | 101070 | 2.73% | 0.186% |
| 63 | 14.423 | 1309 | 1311 | 1314 | rVV4 | 134570 | 304363 | 8.21% | 0.560% |
| 64 | 14.472 | 1314 | 1316 | 1318 | rVV | 176603 | 247488 | 6.67% | 0.455% |
| 65 | 14.512 | 1318 | 1320 | 1325 | rVV3 | 482381 | 1101193 | 29.69% | 2.025% |
| 66 | 14.581 | 1325 | 1327 | 1330 | rVV | 511673 | 805107 | 21.71% | 1.480% |
| 67 | 14.649 | 1330 | 1334 | 1336 | rVV4 | 208761 | 442483 | 11.93% | 0.814% |
| 68 | 14.708 | 1336 | 1340 | 1341 | rVV3 | 93526 | 212701 | 5.74% | 0.391% |
| 69 | 14.768 | 1341 | 1346 | 1348 | rVV4 | 259236 | 776060 | 20.93% | 1.427% |
| 70 | 14.836 | 1348 | 1353 | 1355 | rVV4 | 335657 | 792058 | 21.36% | 1.456% |
| 71 | 14.886 | 1356 | 1358 | 1363 | rVV3 | 302370 | 760917 | 20.52% | 1.399% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

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\82D091318S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.984 | 1365 | 1368 | 1371 | rVV2 | 485115 | 847202 | 22.84% | 1.558% |
| 73 | 15.063 | 1371 | 1376 | 1379 | rVV4 | 338034 | 843144 | 22.73% | 1.550% |
| 74 | 15.132 | 1382 | 1383 | 1385 | rVV2 | 179660 | 273471 | 7.37% | 0.503% |
| 75 | 15.201 | 1388 | 1390 | 1391 | rVV | 152533 | 229712 | 6.19% | 0.422% |
| 76 | 15.230 | 1391 | 1393 | 1394 | rVV2 | 180498 | 276541 | 7.46% | 0.508% |
| 77 | 15.260 | 1394 | 1396 | 1399 | rVV3 | 245377 | 456990 | 12.32% | 0.840% |
| 78 | 15.319 | 1399 | 1402 | 1407 | rVV5 | 242842 | 657066 | 17.72% | 1.208% |
| 79 | 15.417 | 1410 | 1412 | 1415 | rVV2 | 119989 | 218122 | 5.88% | 0.401% |
| 80 | 15.466 | 1415 | 1417 | 1420 | rVV2 | 105779 | 215550 | 5.81% | 0.396% |
| 81 | 15.574 | 1424 | 1428 | 1431 | rVB5 | 193348 | 341737 | 9.21% | 0.628% |
| 82 | 15.624 | 1431 | 1433 | 1437 | rVB5 | 53823 | 103346 | 2.79% | 0.190% |
| 83 | 15.683 | 1437 | 1439 | 1441 | rBV3 | 60003 | 114813 | 3.10% | 0.211% |
| 84 | 15.899 | 1459 | 1461 | 1464 | rVB3 | 110262 | 163200 | 4.40% | 0.300% |
| 85 | 16.598 | 1526 | 1532 | 1536 | rVB5 | 29334 | 69418 | 1.87% | 0.128% |

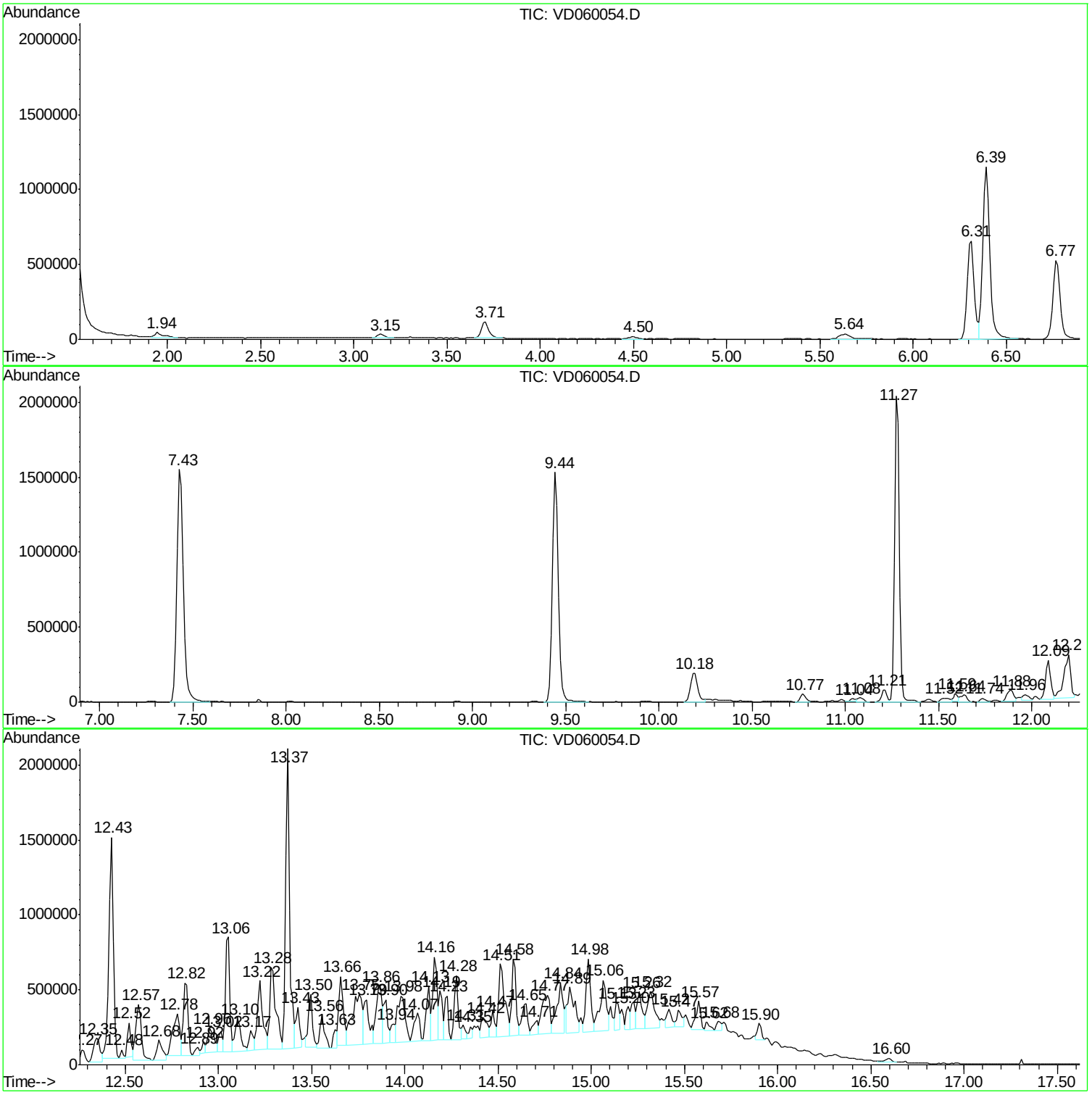
Sum of corrected areas: 54386505

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

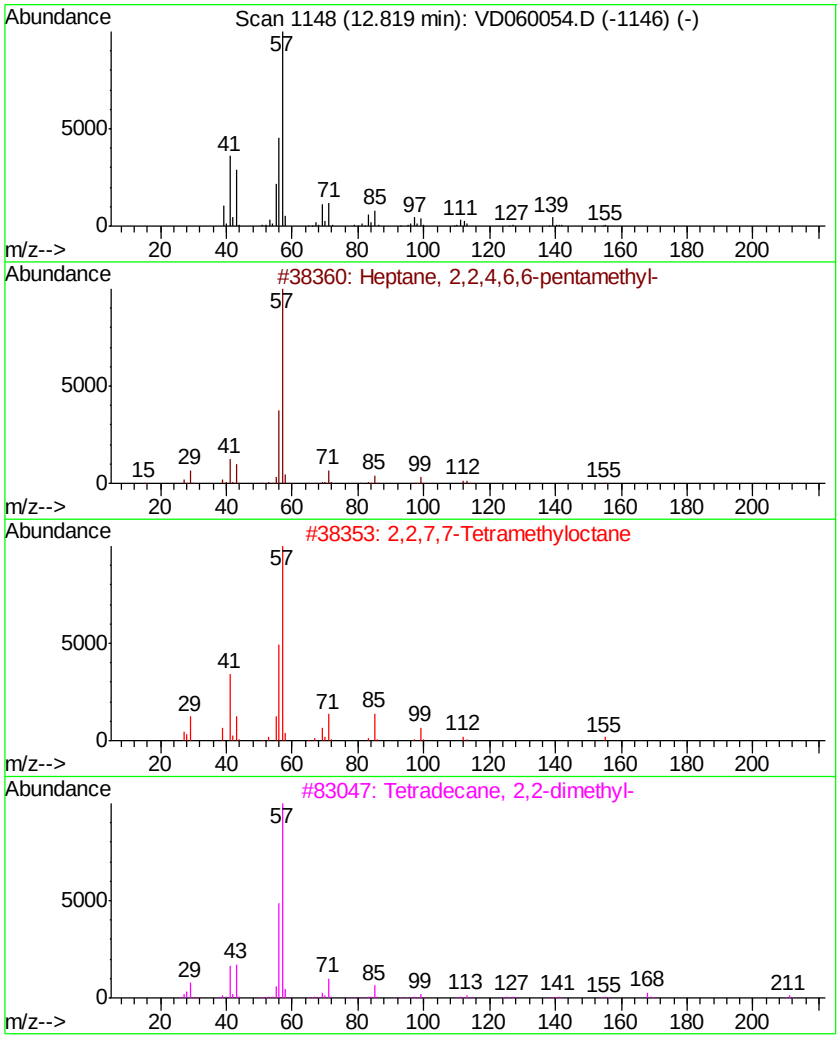
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

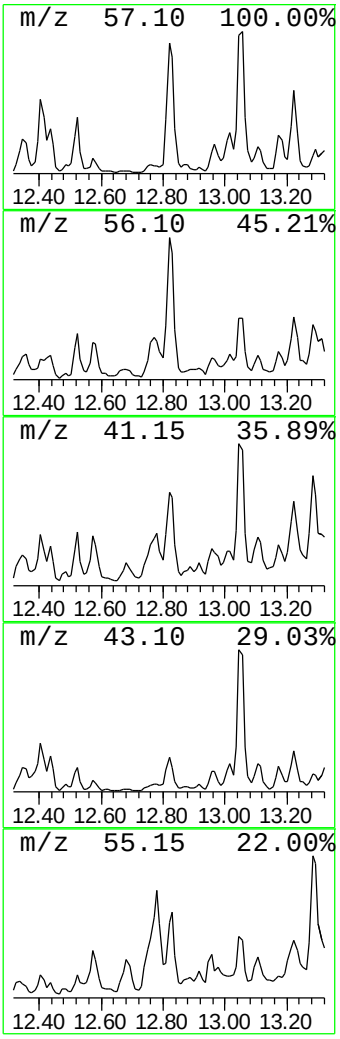
**********

Peak Number 1 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.82 | 13.09 ug/l | 827584 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26 | 013475-82-6 | 64 |
| 2 | 2,2,7,7-Tetramethyloctane | 170 | C12H26 | 001071-31-4 | 64 |
| 3 | Tetradecane, 2,2-dimethyl- | 226 | C16H34 | 059222-86-5 | 64 |
| 4 | Decane, 2,2,8-trimethyl- | 184 | C13H28 | 062238-01-1 | 64 |
| 5 | Decane, 2,2-dimethyl- | 170 | C12H26 | 017302-37-3 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

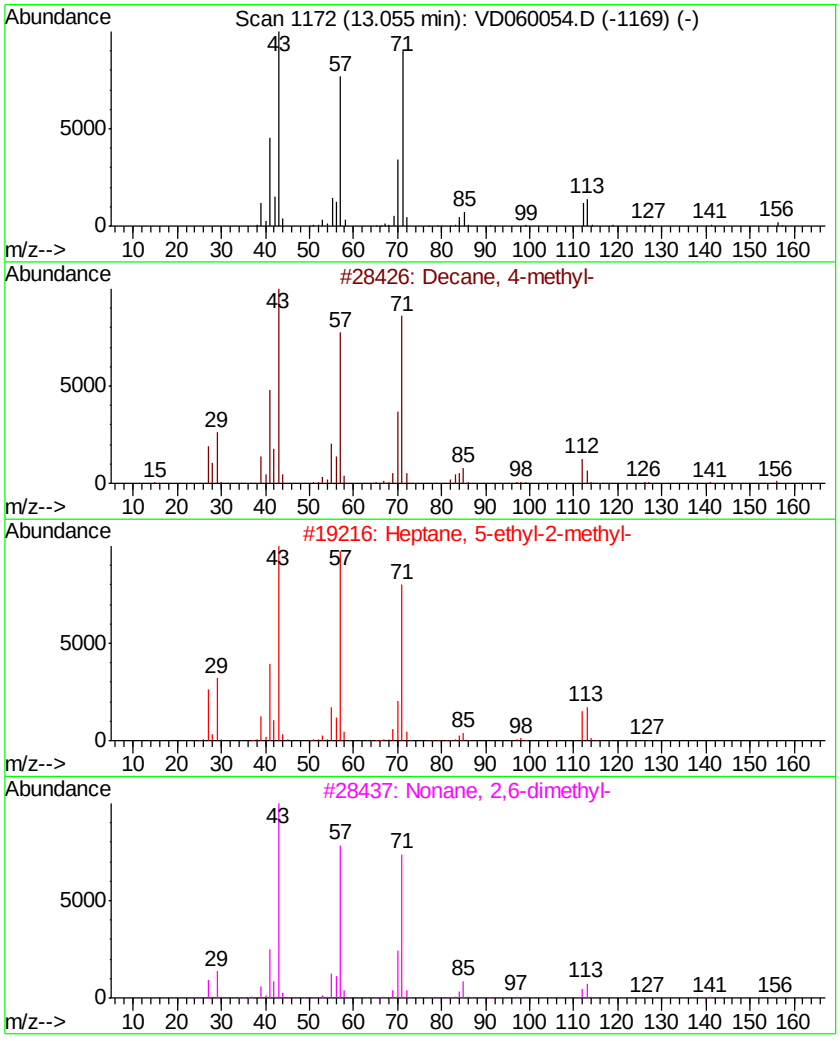
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

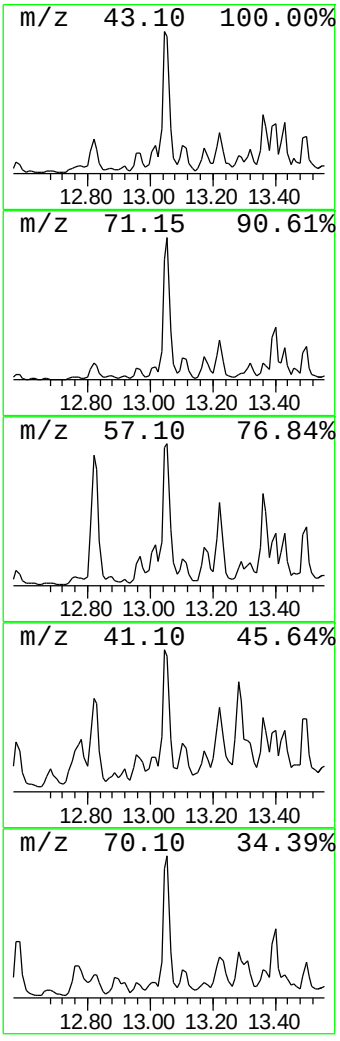
**********

Peak Number 2 Decane, 4-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.06 | 19.11 ug/l | 1208270 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 4-methyl- | 156 | C11H24 | 002847-72-5 | 94 |
| 2 | Heptane, 5-ethyl-2-methyl- | 142 | C10H22 | 013475-78-0 | 78 |
| 3 | Nonane, 2,6-dimethyl- | 156 | C11H24 | 017302-28-2 | 78 |
| 4 | Heptane, 2,5,5-trimethyl- | 142 | C10H22 | 001189-99-7 | 72 |
| 5 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

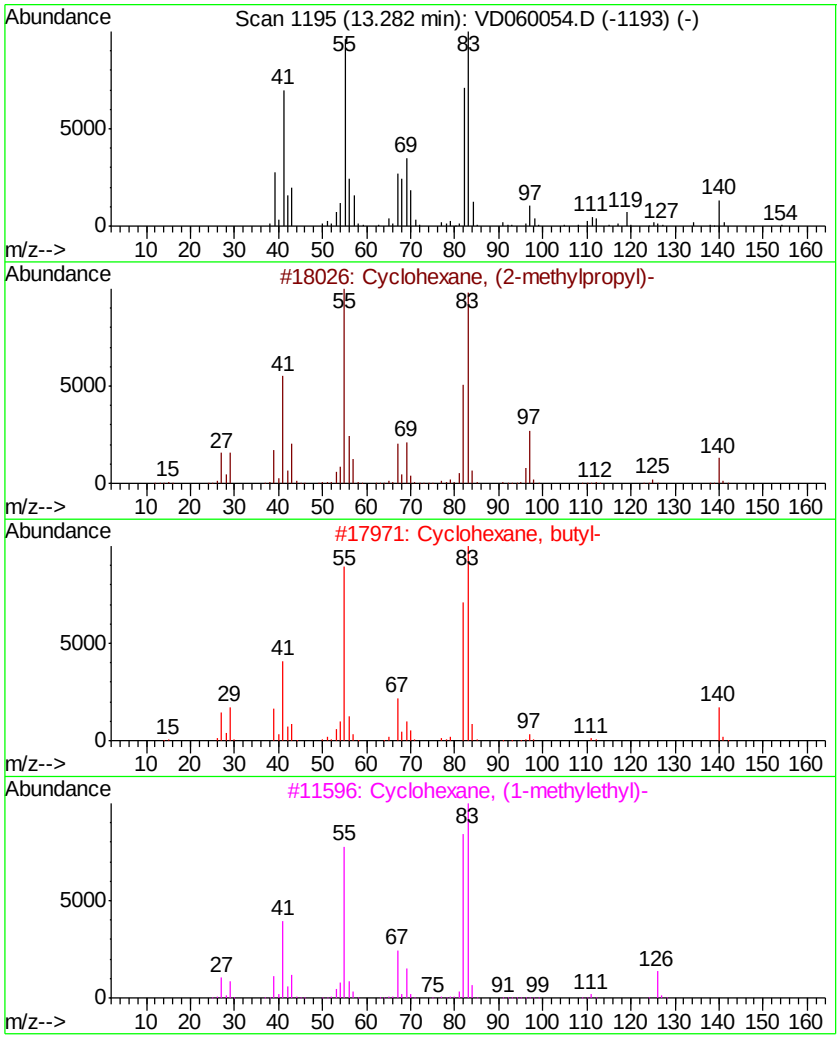
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

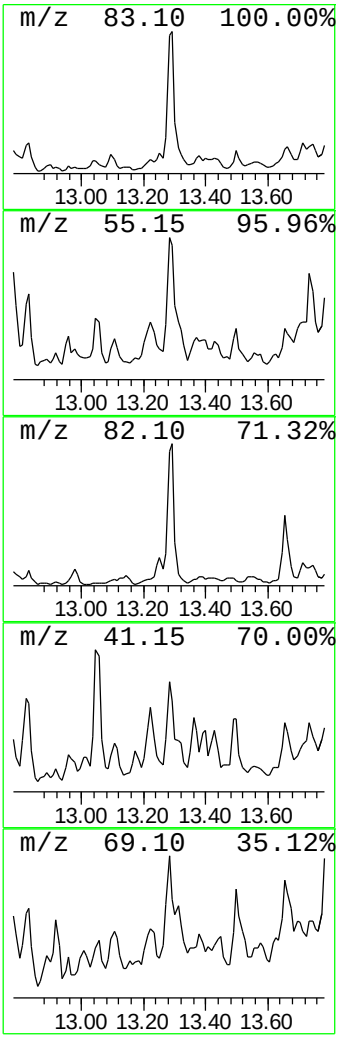
**********

Peak Number 3 Cyclohexane, (2-methylpropyl)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.28 | 19.71 ug/l | 1246320 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 87 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 72 |
| 3 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 64 |
| 4 | Cyclohexane, (1-methylpropyl)- | 140 | C10H20 | 007058-01-7 | 53 |
| 5 | Cyclohexanone, 3,3,5-trimethyl- | 140 | C9H16O | 000873-94-9 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

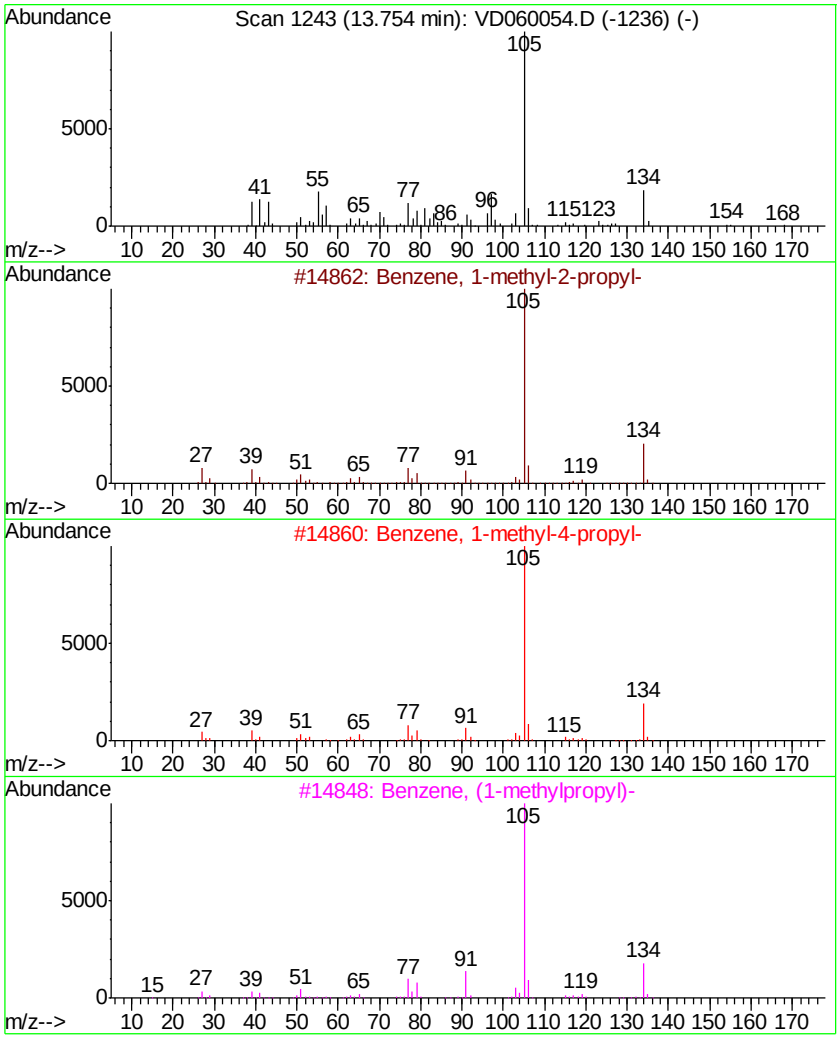
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

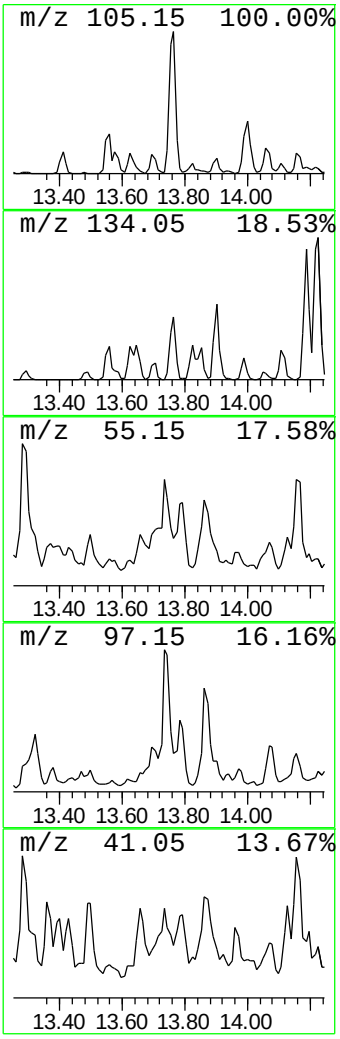
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 20.34 ug/l | 1285900 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 60 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 60 |
| 3 | Benzene, (1-methylpropyl)- | 134 | C10H14 | 000135-98-8 | 53 |
| 4 | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O | 000093-53-8 | 49 |
| 5 | Oxirane, 2-methyl-2-phenyl- | 134 | C9H10O | 002085-88-3 | 46 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

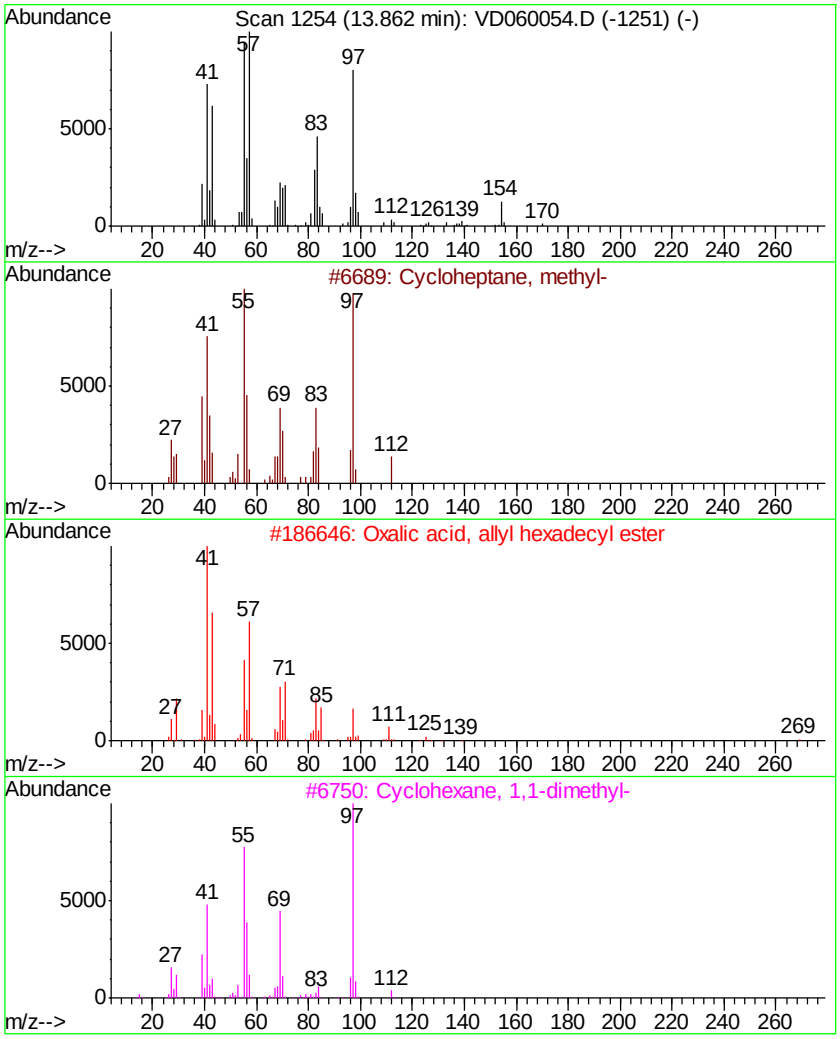
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

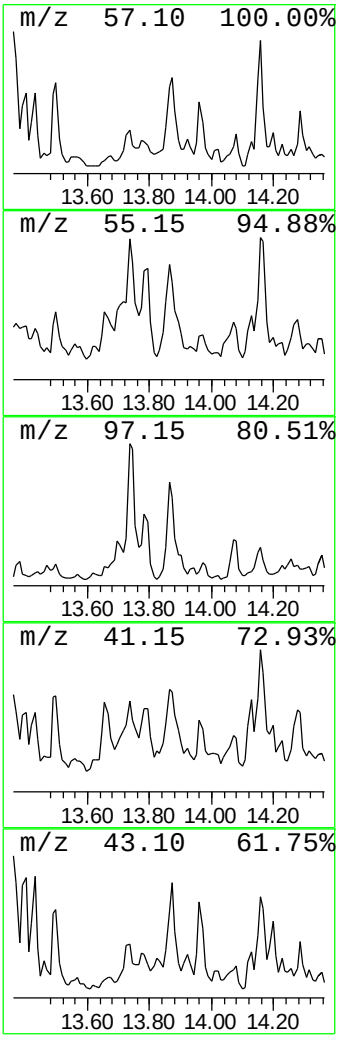
**********

Peak Number 5 unknown13.86 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.86 | 13.26 ug/l | 838165 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 38 |
| 2 | Oxalic acid, allyl hexadecyl ester | 354 | C21H38O4 | 1000309-24-4 | 38 |
| 3 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 38 |
| 4 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 38 |
| 5 | 2-n-Butylacrolein | 112 | C7H12O | 001070-66-2 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

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

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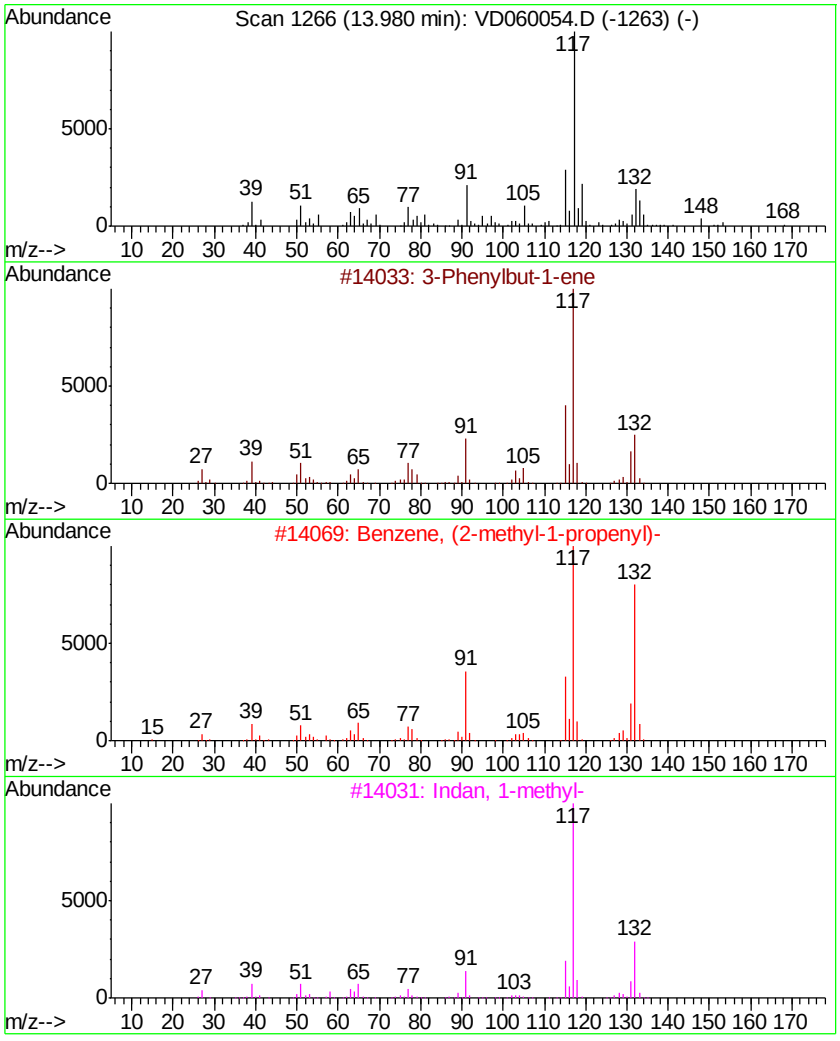
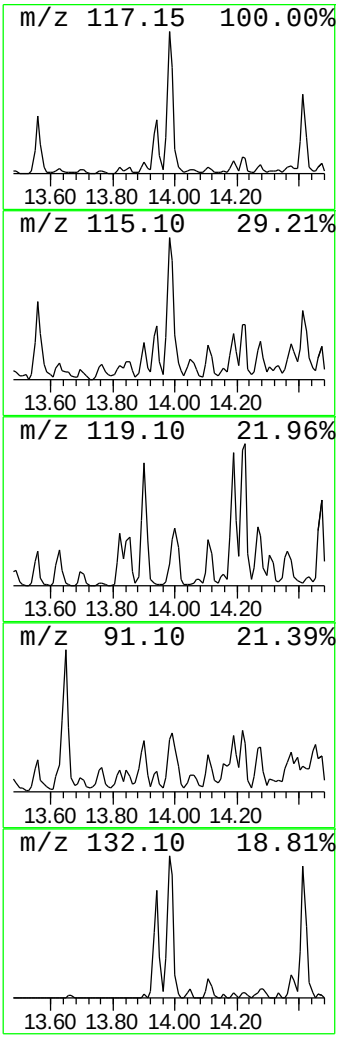
Peak Number 6 3-Phenylbut-1-ene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.98 | 13.36 ug/l | 844804 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 76 |
| 2 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 76 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 70 |
| 4 | Benzene, (2-methylcyclopropyl)- | 132 | C10H12 | 1000327-39-0 | 62 |
| 5 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 58 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

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

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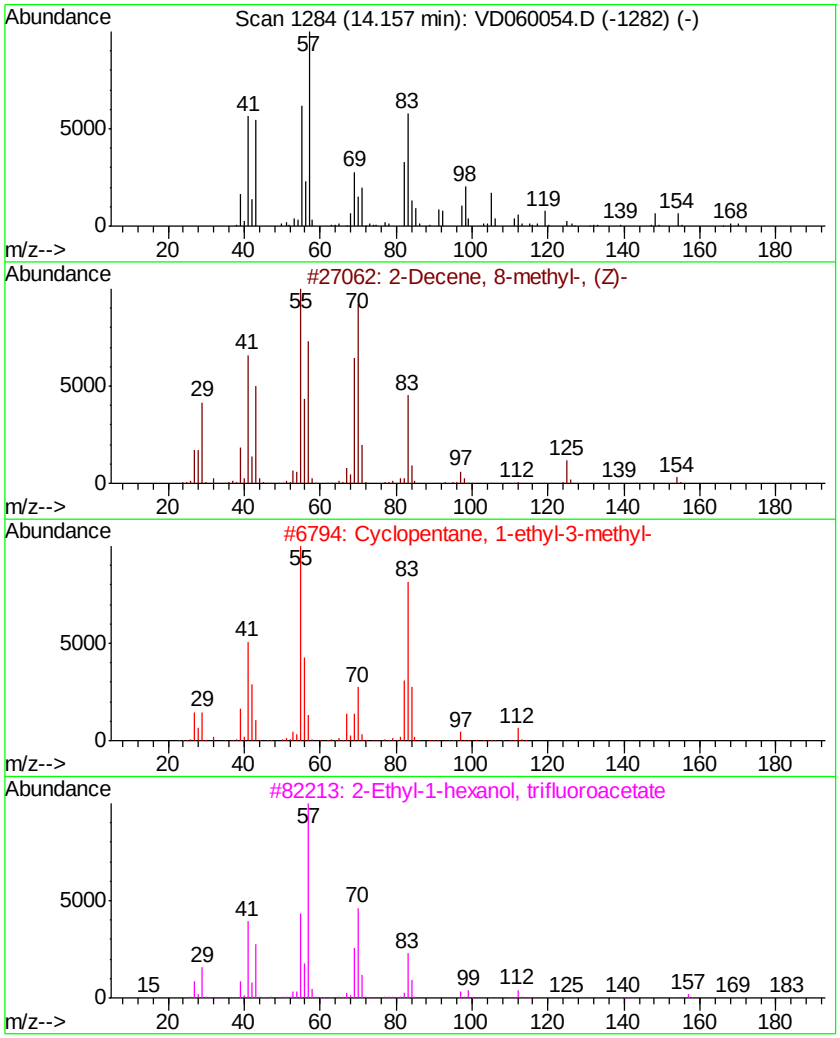
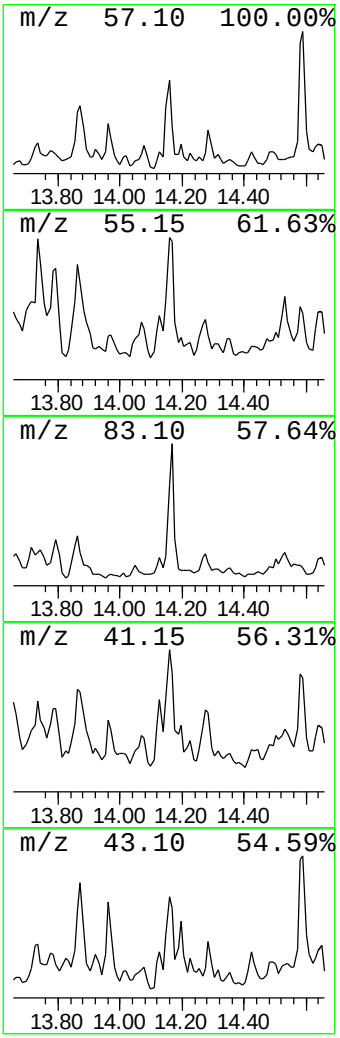
Peak Number 7 unknown14.16 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.16 | 14.36 ug/l | 907800 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Decene, 8-methyl-, (Z)- | 154 | C11H22 | 074630-25-4 | 49 |
| 2 | Cyclopentane, 1-ethyl-3-methyl- | 112 | C8H16 | 003726-47-4 | 43 |
| 3 | 2-Ethyl-1-hexanol, trifluoroacetate | 226 | C10H17F3O2 | 1000365-19-6 | 38 |
| 4 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 38 |
| 5 | Decane, 2,5,6-trimethyl- | 184 | C13H28 | 062108-23-0 | 38 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

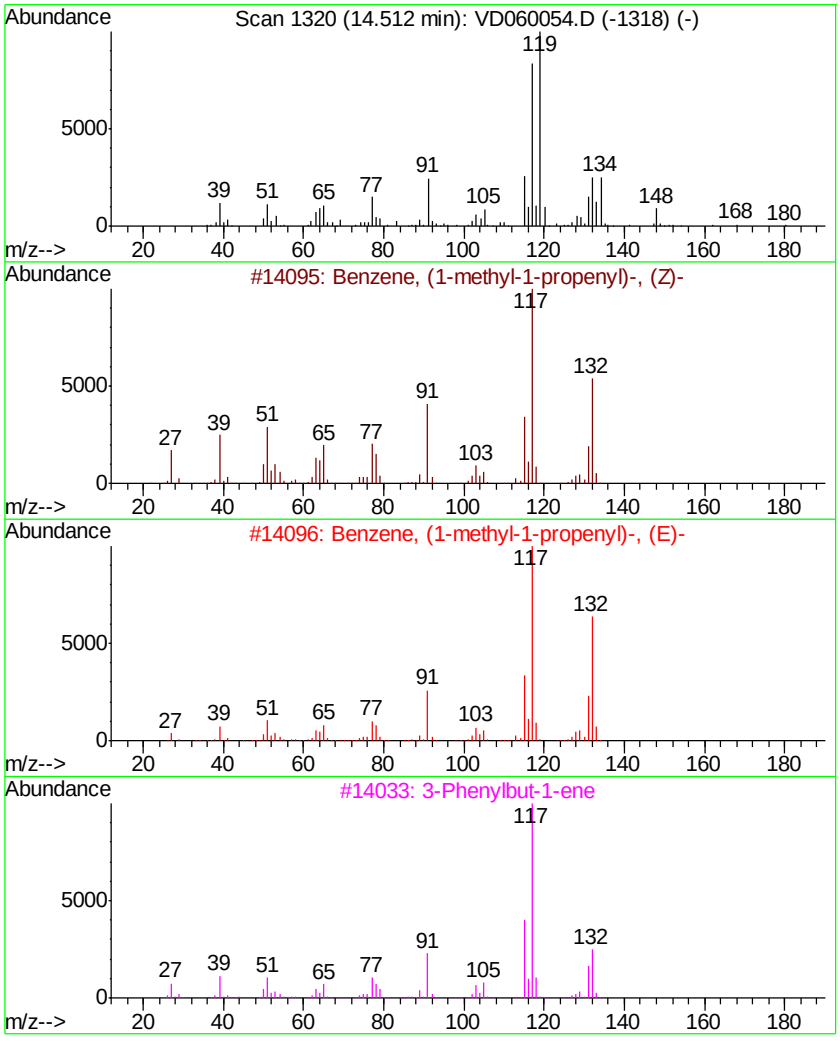
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

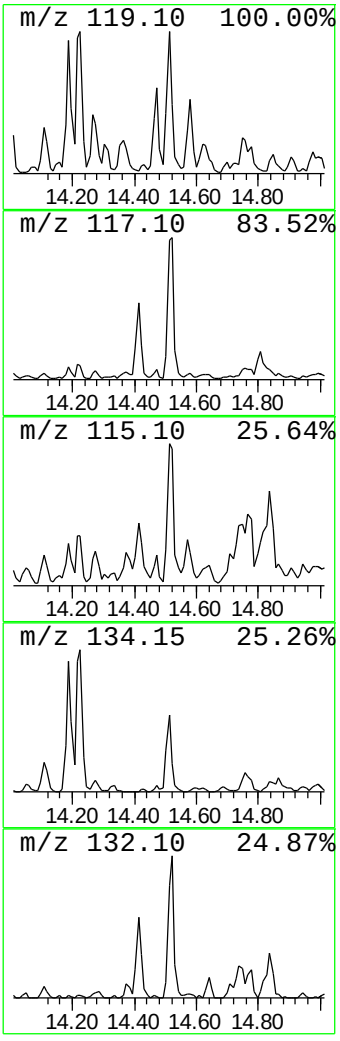
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, (1-methyl-1-propen... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.51 | 17.42 ug/l | 1101190 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 87 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 64 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 50 |
| 4 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 50 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 50 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

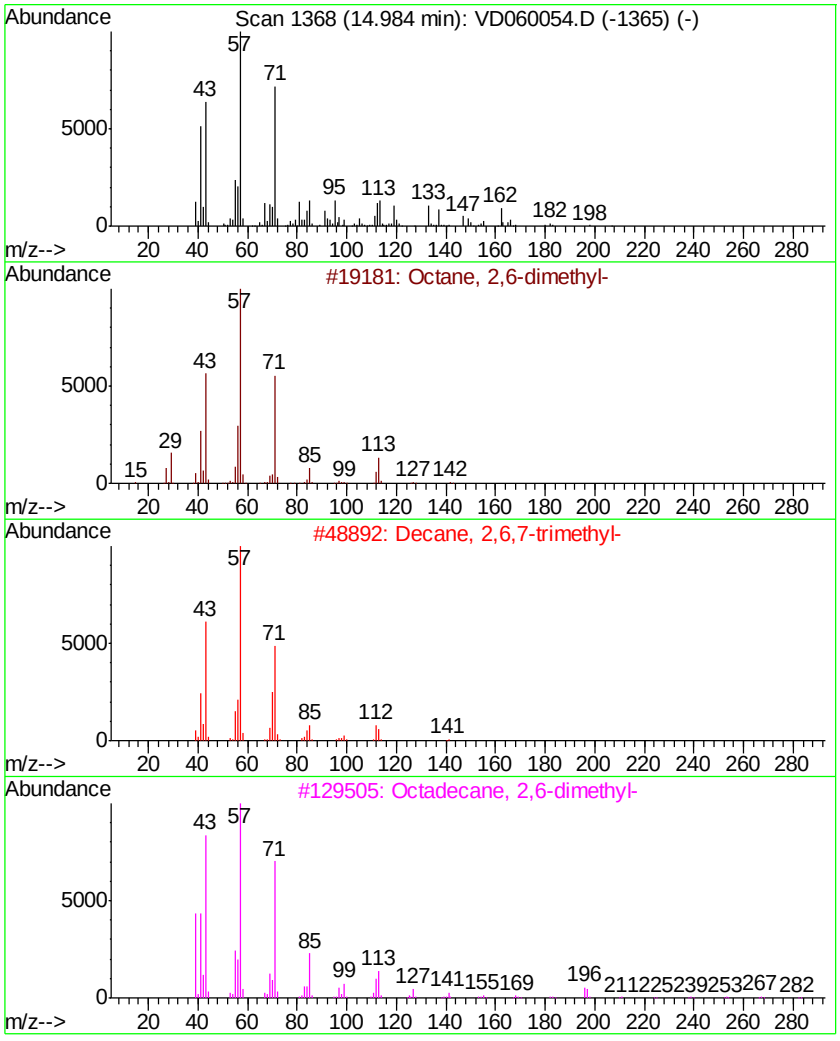
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

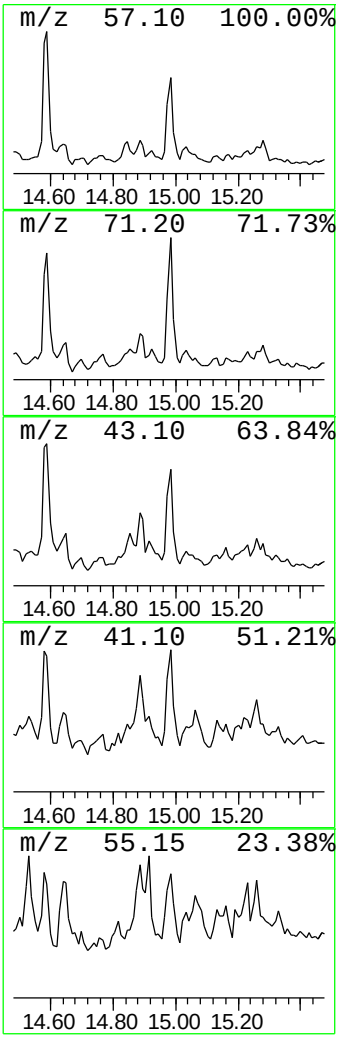
**********

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.98 | 13.40 ug/l | 847202 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 53 |
| 2 | Decane, 2,6,7-trimethyl- | 184 | C13H28 | 062108-25-2 | 53 |
| 3 | Octadecane, 2,6-dimethyl- | 282 | C20H42 | 075163-97-2 | 50 |
| 4 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 50 |
| 5 | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42 | 000504-44-9 | 49 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

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

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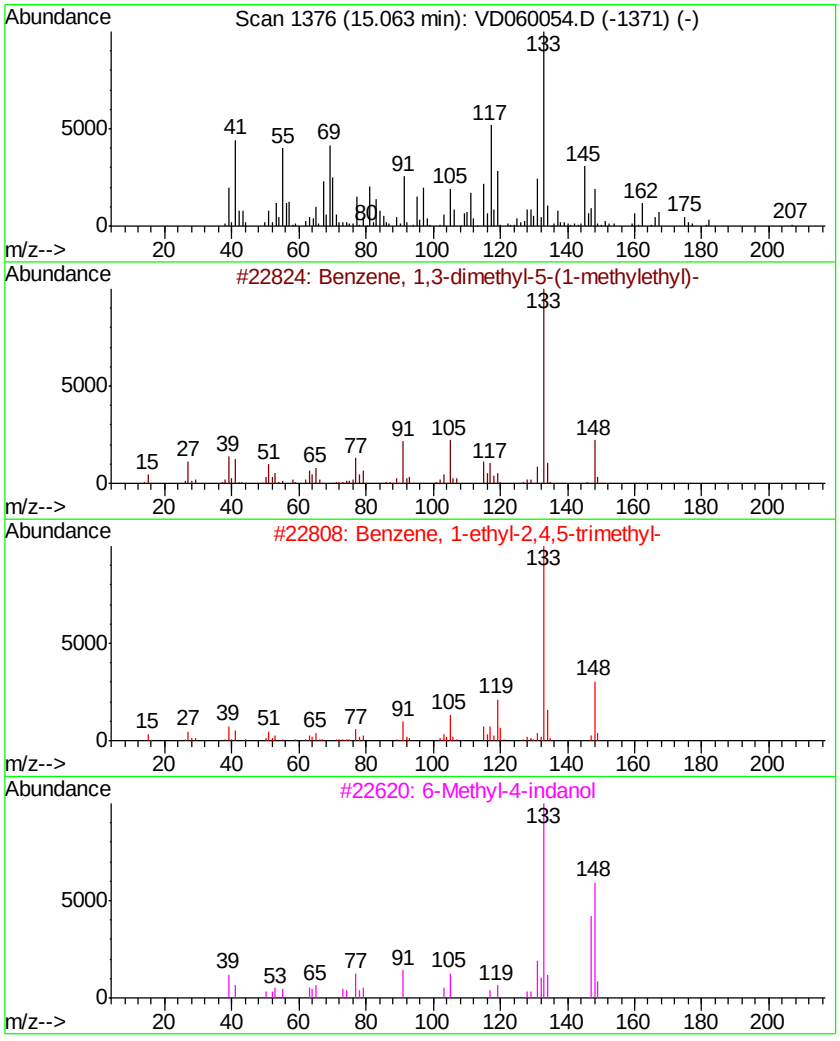
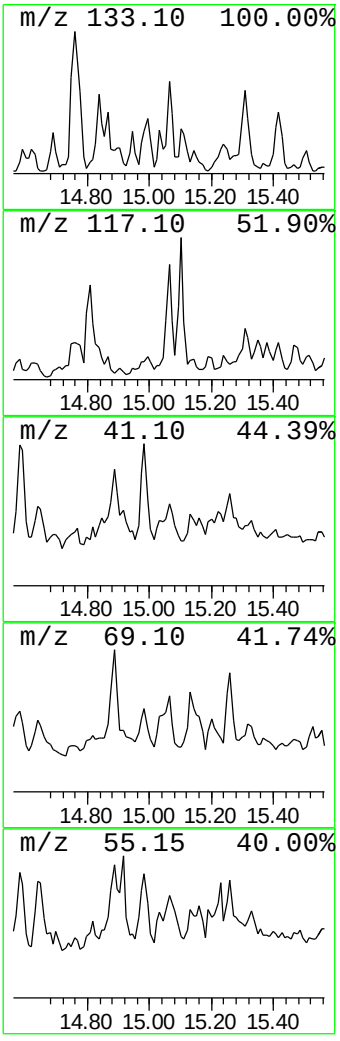
Peak Number 10 unknown15.06 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 13.33 ug/l | 843144 | 1,4-Dichlorobenzene-d4 | 13.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16 | 004706-90-5 | 46 |
| 2 | Benzene, 1-ethyl-2,4,5-trimethyl- | 148 | C11H16 | 017851-27-3 | 43 |
| 3 | 6-Methyl-4-indanol | 148 | C10H12O | 020294-32-0 | 43 |
| 4 | 1,5,6,7-Tetramethylbicyclo[3.2.0... | 148 | C11H16 | 134329-46-7 | 35 |
| 5 | 4-tert-Butyltoluene | 148 | C11H16 | 000098-51-1 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092018\
Data File : VD060054.D
Acq On : 20 Sep 2018 18:08
Operator : VA/AP
Sample : J5017-02
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-091918-N-FL-056

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Heptane, 2,2,4,6,... | 12.82 | 13.1 | ug/l | 827584 | 4 | 13.37 | 3161550 | 50.0 |
| Decane, 4-methyl- | 13.06 | 19.1 | ug/l | 1208270 | 4 | 13.37 | 3161550 | 50.0 |
| Cyclohexane, (2-m... | 13.28 | 19.7 | ug/l | 1246320 | 4 | 13.37 | 3161550 | 50.0 |
| Benzene, 1-methyl... | 13.75 | 20.3 | ug/l | 1285900 | 4 | 13.37 | 3161550 | 50.0 |
| unknown13.86 | 13.86 | 13.3 | ug/l | 838165 | 4 | 13.37 | 3161550 | 50.0 |
| 3-Phenylbut-1-ene | 13.98 | 13.4 | ug/l | 844804 | 4 | 13.37 | 3161550 | 50.0 |
| unknown14.16 | 14.16 | 14.4 | ug/l | 907800 | 4 | 13.37 | 3161550 | 50.0 |
| Benzene, (1-methy... | 14.51 | 17.4 | ug/l | 1101190 | 4 | 13.37 | 3161550 | 50.0 |
| Octane, 2,6-dimet... | 14.98 | 13.4 | ug/l | 847202 | 4 | 13.37 | 3161550 | 50.0 |
| unknown15.06 | 15.06 | 13.3 | ug/l | 843144 | 4 | 13.37 | 3161550 | 50.0 |