# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

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\82D041519S.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 | 1.569 | 12 | 15 | 28 | rVB2 | 86610 | 256849 | 18.13% | 2.137% |
| 2 | 1.854 | 40 | 44 | 51 | rBV | 36332 | 67519 | 4.77% | 0.562% |
| 3 | 2.651 | 121 | 125 | 129 | rVB2 | 6242 | 15255 | 1.08% | 0.127% |
| 4 | 3.232 | 178 | 184 | 194 | rBV | 28113 | 77022 | 5.44% | 0.641% |
| 5 | 3.400 | 197 | 201 | 206 | rBV | 27237 | 59858 | 4.22% | 0.498% |
| 6 | 3.833 | 240 | 245 | 259 | rBV | 101335 | 316312 | 22.32% | 2.632% |
| 7 | 4.246 | 283 | 287 | 293 | rBV4 | 8348 | 25392 | 1.79% | 0.211% |
| 8 | 4.719 | 330 | 335 | 342 | rVB3 | 11308 | 36105 | 2.55% | 0.300% |
| 9 | 6.077 | 466 | 473 | 478 | rBV4 | 8764 | 31175 | 2.20% | 0.259% |
| 10 | 6.944 | 554 | 561 | 567 | rBV | 147590 | 422765 | 29.84% | 3.517% |
| 11 | 7.062 | 567 | 573 | 588 | rVB | 407403 | 1170688 | 82.62% | 9.740% |
| 12 | 7.465 | 609 | 614 | 631 | rVB | 193509 | 538551 | 38.01% | 4.481% |
| 13 | 8.233 | 686 | 692 | 706 | rBV | 562883 | 1416909 | 100.00% | 11.788% |
| 14 | 10.419 | 909 | 914 | 921 | rBV | 579427 | 1379594 | 97.37% | 11.478% |
| 15 | 10.517 | 921 | 924 | 930 | rVB | 88563 | 182434 | 12.88% | 1.518% |
| 16 | 11.265 | 994 | 1000 | 1004 | rBB2 | 7107 | 16619 | 1.17% | 0.138% |
| 17 | 12.378 | 1109 | 1113 | 1120 | rVB | 648409 | 1136811 | 80.23% | 9.458% |
| 18 | 12.525 | 1125 | 1128 | 1133 | rVB | 9110 | 17516 | 1.24% | 0.146% |
| 19 | 12.703 | 1141 | 1146 | 1150 | rVB3 | 6965 | 16781 | 1.18% | 0.140% |
| 20 | 13.008 | 1174 | 1177 | 1179 | rBV3 | 10700 | 21180 | 1.49% | 0.176% |
| 21 | 13.057 | 1179 | 1182 | 1185 | rVB | 21493 | 30282 | 2.14% | 0.252% |
| 22 | 13.224 | 1192 | 1199 | 1203 | rBV3 | 12282 | 29687 | 2.10% | 0.247% |
| 23 | 13.333 | 1203 | 1210 | 1215 | rVV7 | 18097 | 55934 | 3.95% | 0.465% |
| 24 | 13.480 | 1220 | 1225 | 1230 | rBV3 | 7680 | 16523 | 1.17% | 0.137% |
| 25 | 13.559 | 1230 | 1233 | 1237 | rBV | 451252 | 634582 | 44.79% | 5.280% |
| 26 | 13.717 | 1246 | 1249 | 1254 | rVB2 | 53284 | 72715 | 5.13% | 0.605% |
| 27 | 13.825 | 1257 | 1260 | 1261 | rBV2 | 11319 | 18297 | 1.29% | 0.152% |
| 28 | 13.894 | 1264 | 1267 | 1269 | rBV3 | 20222 | 35937 | 2.54% | 0.299% |
| 29 | 13.933 | 1269 | 1271 | 1274 | rVV | 60761 | 88034 | 6.21% | 0.732% |
| 30 | 13.972 | 1274 | 1275 | 1278 | rVB2 | 21262 | 23068 | 1.63% | 0.192% |
| 31 | 14.032 | 1278 | 1281 | 1283 | rBV3 | 11553 | 16625 | 1.17% | 0.138% |
| 32 | 14.091 | 1283 | 1287 | 1289 | rBV | 38406 | 62588 | 4.42% | 0.521% |
| 33 | 14.209 | 1296 | 1299 | 1301 | rBV2 | 9022 | 19811 | 1.40% | 0.165% |
| 34 | 14.248 | 1301 | 1303 | 1310 | rVB5 | 21423 | 58386 | 4.12% | 0.486% |

LSC Area Percent Report

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Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

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\82D041519S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.366 | 1310 | 1315 | 1320 | rBV6 | 18546 | 68975 | 4.87% | 0.574% |
| 36 | 14.445 | 1320 | 1323 | 1325 | rVV | 35190 | 54088 | 3.82% | 0.450% |
| 37 | 14.524 | 1328 | 1331 | 1333 | rVV | 424155 | 549221 | 38.76% | 4.569% |
| 38 | 14.563 | 1333 | 1335 | 1338 | rVV | 193395 | 232513 | 16.41% | 1.934% |
| 39 | 14.652 | 1340 | 1344 | 1346 | rVV5 | 20929 | 50161 | 3.54% | 0.417% |
| 40 | 14.711 | 1346 | 1350 | 1352 | rVV3 | 35659 | 60393 | 4.26% | 0.502% |
| 41 | 14.740 | 1352 | 1353 | 1355 | rVV | 21586 | 17274 | 1.22% | 0.144% |
| 42 | 14.780 | 1355 | 1357 | 1359 | rVV | 124310 | 169420 | 11.96% | 1.410% |
| 43 | 14.809 | 1359 | 1360 | 1363 | rVV3 | 73605 | 99371 | 7.01% | 0.827% |
| 44 | 14.918 | 1367 | 1371 | 1373 | rVV | 47516 | 91371 | 6.45% | 0.760% |
| 45 | 14.977 | 1376 | 1377 | 1378 | rVV | 17077 | 18714 | 1.32% | 0.156% |
| 46 | 15.006 | 1378 | 1380 | 1383 | rVV | 49263 | 77836 | 5.49% | 0.648% |
| 47 | 15.055 | 1383 | 1385 | 1388 | rVV | 78083 | 108732 | 7.67% | 0.905% |
| 48 | 15.095 | 1388 | 1389 | 1391 | rVV2 | 21842 | 25542 | 1.80% | 0.213% |
| 49 | 15.144 | 1391 | 1394 | 1398 | rVV3 | 104285 | 177966 | 12.56% | 1.481% |
| 50 | 15.223 | 1398 | 1402 | 1405 | rVV3 | 36937 | 87084 | 6.15% | 0.725% |
| 51 | 15.272 | 1405 | 1407 | 1411 | rVV3 | 105582 | 174924 | 12.35% | 1.455% |
| 52 | 15.351 | 1413 | 1415 | 1416 | rVV | 75344 | 93100 | 6.57% | 0.775% |
| 53 | 15.380 | 1416 | 1418 | 1421 | rVV | 158545 | 186965 | 13.20% | 1.556% |
| 54 | 15.429 | 1421 | 1423 | 1426 | rVV2 | 83507 | 128692 | 9.08% | 1.071% |
| 55 | 15.469 | 1426 | 1427 | 1431 | rVV2 | 37838 | 77345 | 5.46% | 0.643% |
| 56 | 15.538 | 1431 | 1434 | 1437 | rVV2 | 30887 | 66832 | 4.72% | 0.556% |
| 57 | 15.587 | 1437 | 1439 | 1442 | rVV2 | 35364 | 55949 | 3.95% | 0.465% |
| 58 | 15.636 | 1442 | 1444 | 1445 | rVV | 38315 | 48252 | 3.41% | 0.401% |
| 59 | 15.676 | 1445 | 1448 | 1450 | rVV | 269752 | 378312 | 26.70% | 3.147% |
| 60 | 15.744 | 1453 | 1455 | 1457 | rVV2 | 31314 | 42180 | 2.98% | 0.351% |
| 61 | 15.804 | 1457 | 1461 | 1464 | rVV2 | 76454 | 139831 | 9.87% | 1.163% |
| 62 | 15.853 | 1464 | 1466 | 1468 | rVV2 | 15118 | 26413 | 1.86% | 0.220% |
| 63 | 15.931 | 1468 | 1474 | 1476 | rVV3 | 49759 | 129901 | 9.17% | 1.081% |
| 64 | 16.000 | 1476 | 1481 | 1483 | rVV2 | 51000 | 99577 | 7.03% | 0.828% |
| 65 | 16.050 | 1483 | 1486 | 1487 | rVV2 | 10634 | 19841 | 1.40% | 0.165% |
| 66 | 16.109 | 1490 | 1492 | 1495 | rBV3 | 14440 | 23639 | 1.67% | 0.197% |
| 67 | 16.178 | 1497 | 1499 | 1501 | rVB | 26145 | 28203 | 1.99% | 0.235% |
| 68 | 16.237 | 1501 | 1505 | 1507 | rBV2 | 26389 | 43050 | 3.04% | 0.358% |

Sum of corrected areas: 12019471

LSC Report - Integrated Chromatogram

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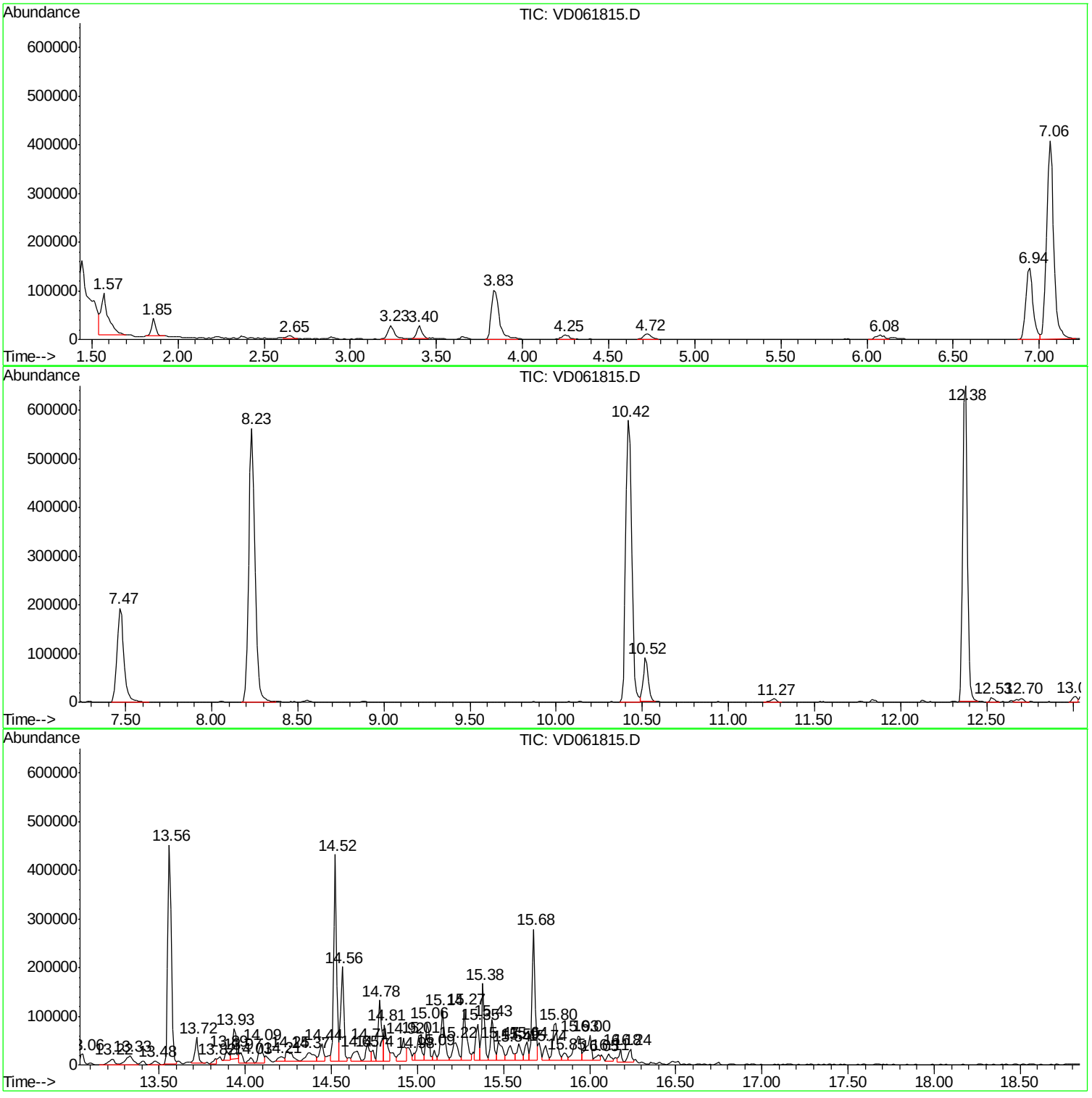
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

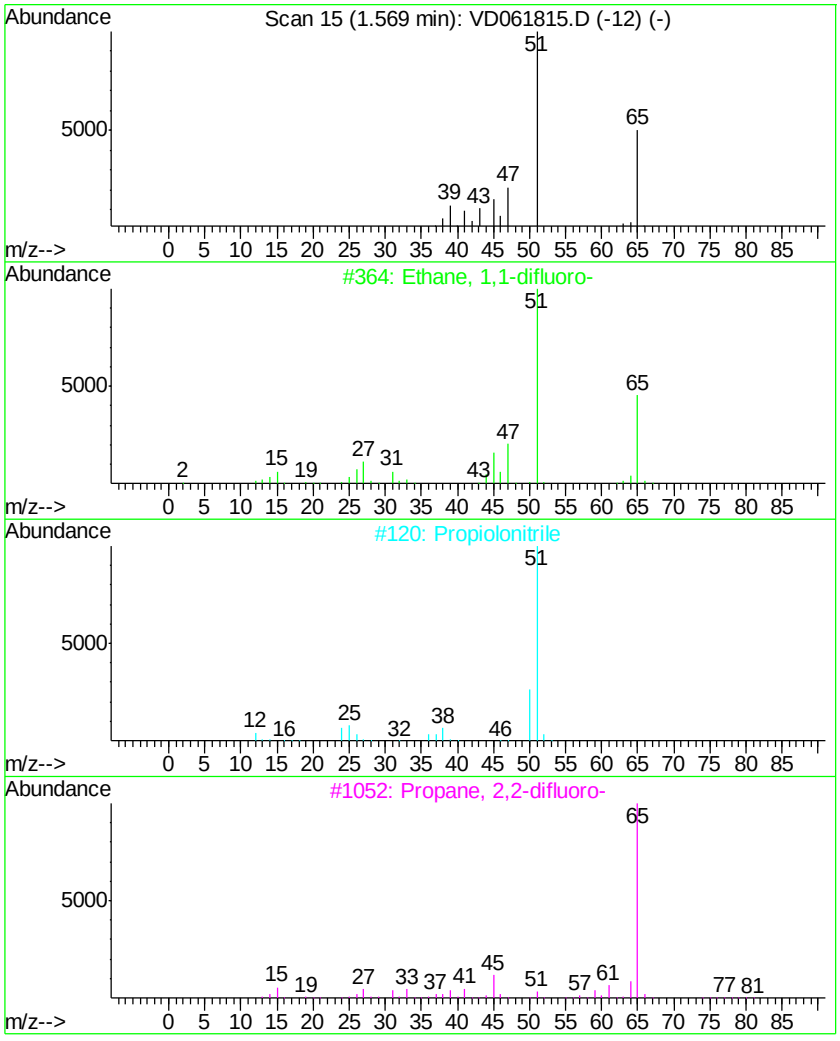
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

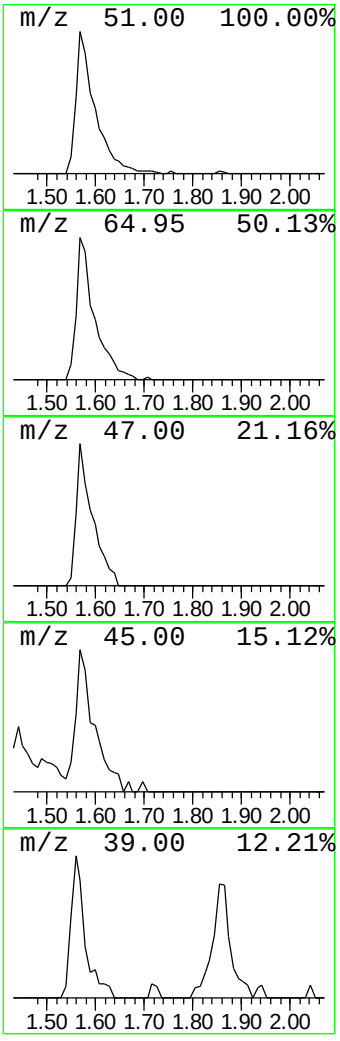
**********

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.57 | 10.97 ug/l | 256849 | Pentafluorobenzene | 7.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1-difluoro- | 66 | C2H4F2 | 000075-37-6 | 91 |
| 2 | Propiolonitrile | 51 | C3HN | 001070-71-9 | 3 |
| 3 | Propane, 2,2-difluoro- | 80 | C3H6F2 | 000420-45-1 | 2 |
| 4 | Difluoromethane | 52 | CH2F2 | 000075-10-5 | 1 |
| 5 | 2-Chloroethanol | 80 | C2H5ClO | 000107-07-3 | 1 |



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Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

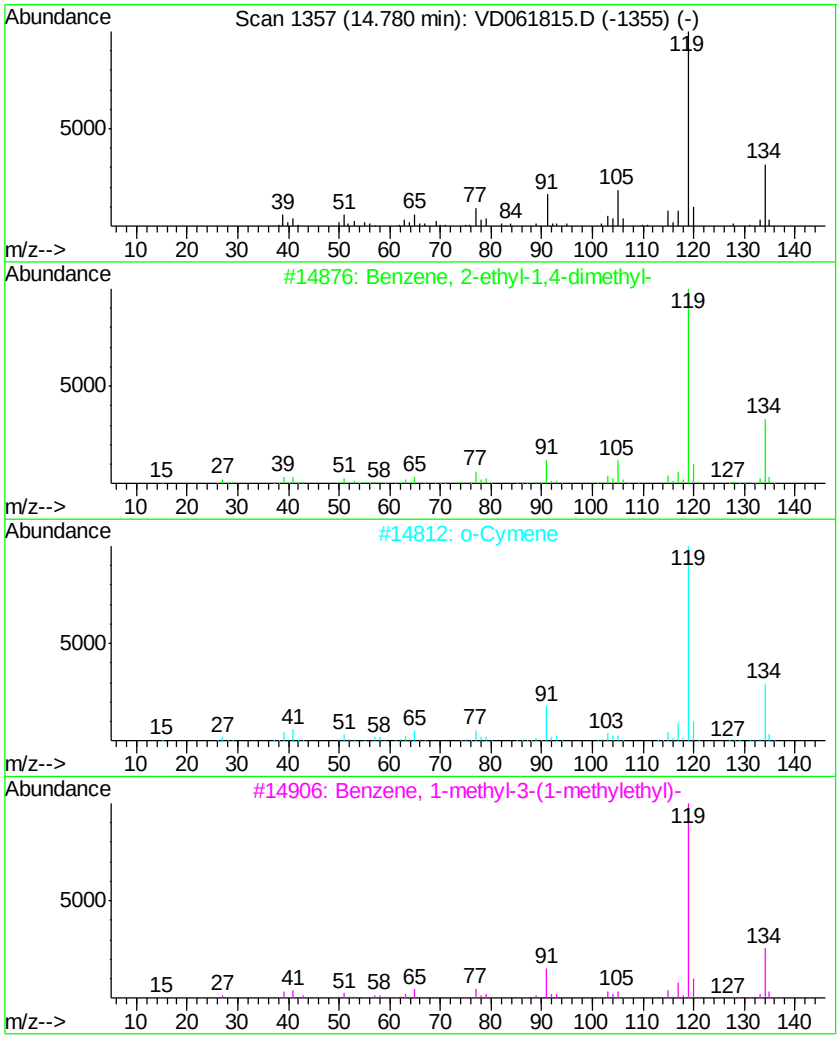
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

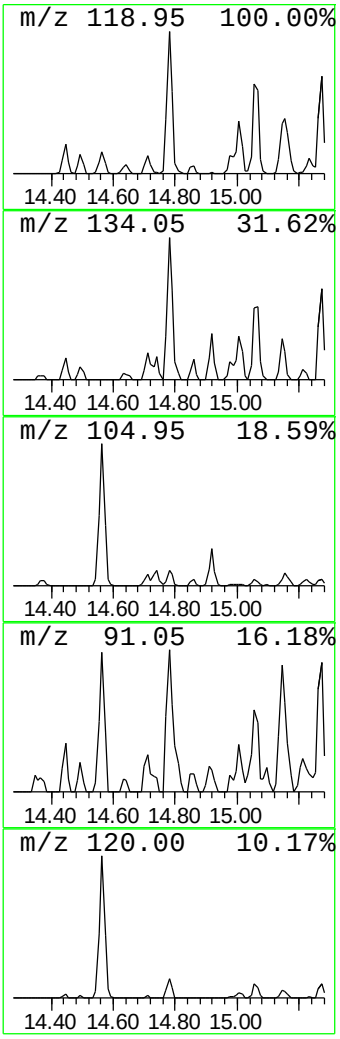
**********

Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.78 | 15.42 ug/l | 169420 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 93 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

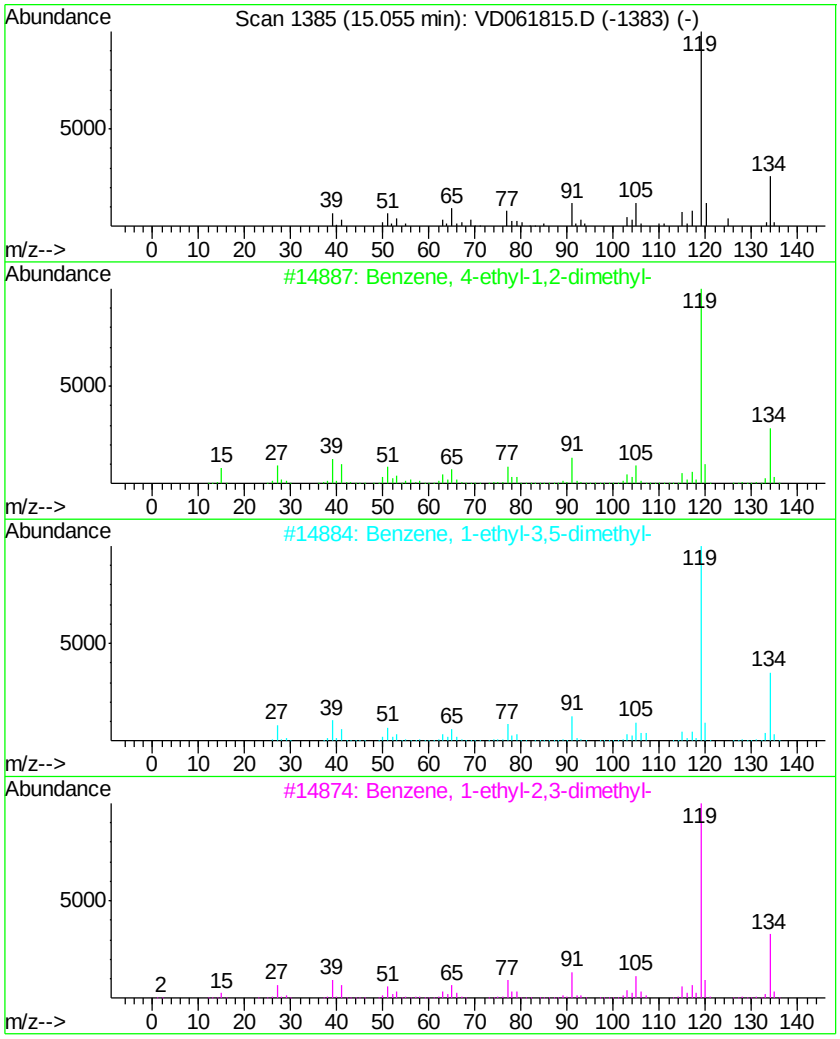
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

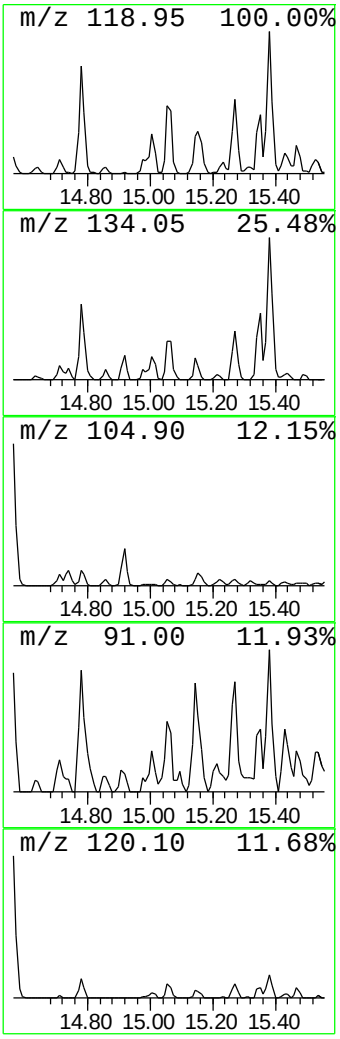
**********

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.06 | 9.90 ug/l | 108732 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 90 |
| 2 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 90 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 90 |
| 4 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 87 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 87 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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Acq On : 16 Apr 2019 17:03
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Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
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**Instrument :** MSVOA_D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

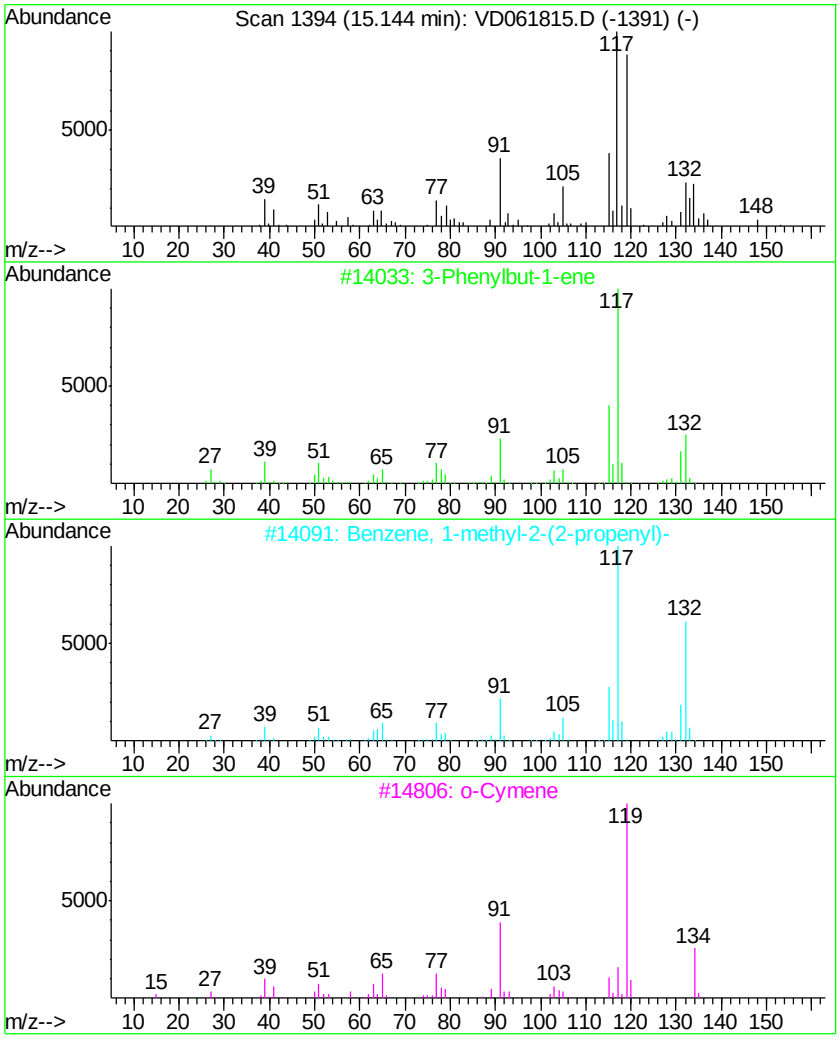
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

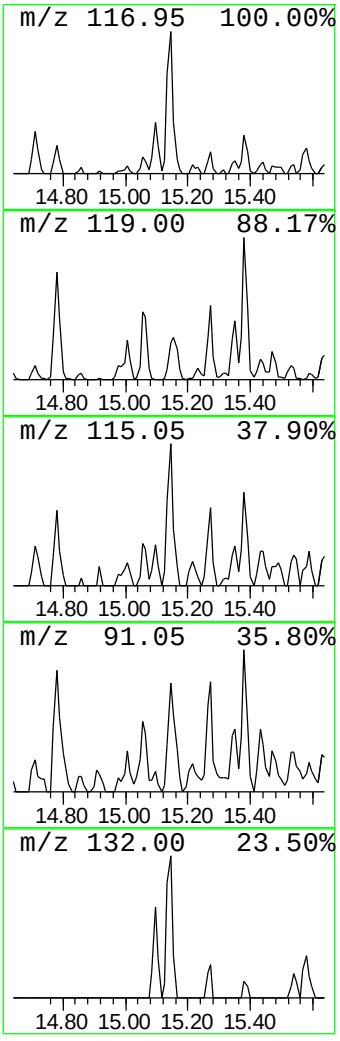
**********

Peak Number 4 3-Phenylbut-1-ene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.14 | 16.20 ug/l | 177966 | 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 | 50 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 46 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 46 |
| 4 | Benzene, tert-butyl- | 134 | C10H14 | 000098-06-6 | 42 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 41 |



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Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

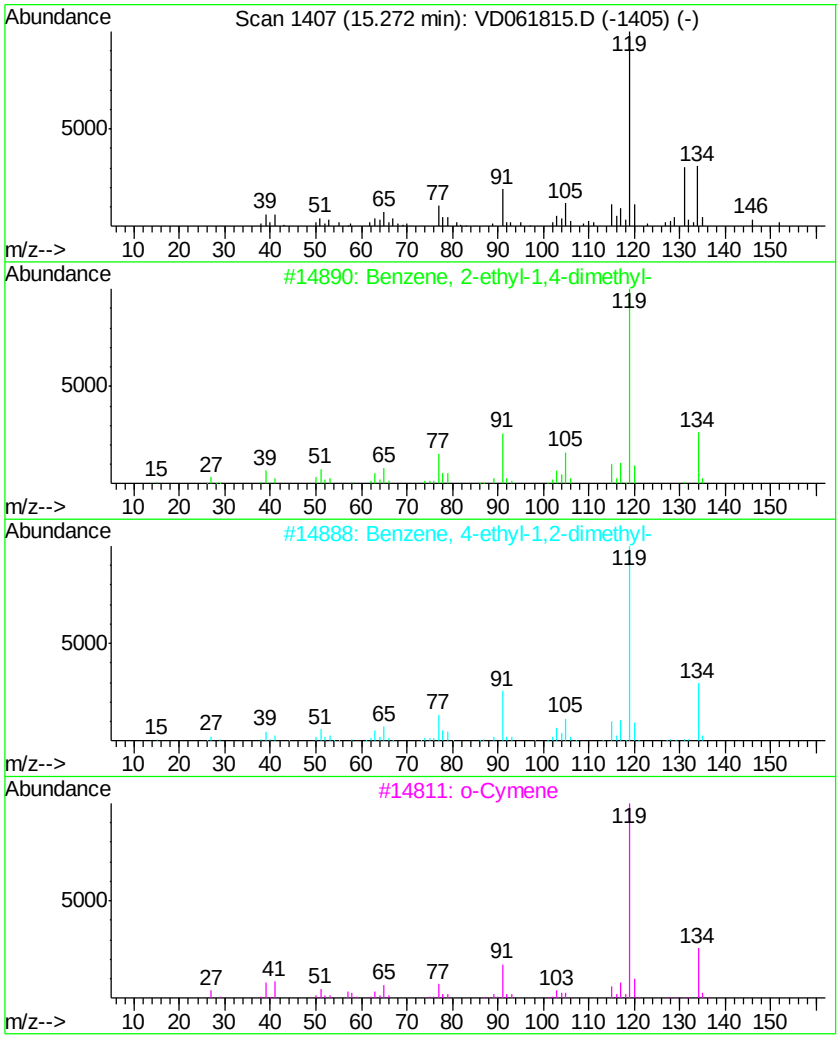
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

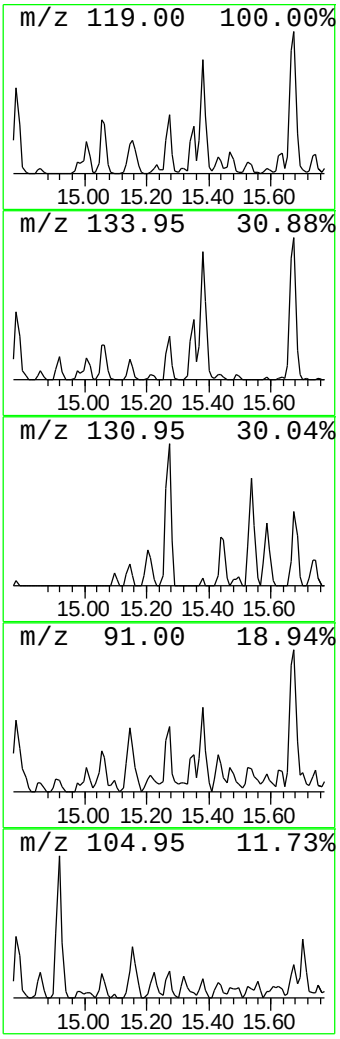
**********

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.27 | 15.92 ug/l | 174924 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 93 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 93 |



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Acq On : 16 Apr 2019 17:03
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Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

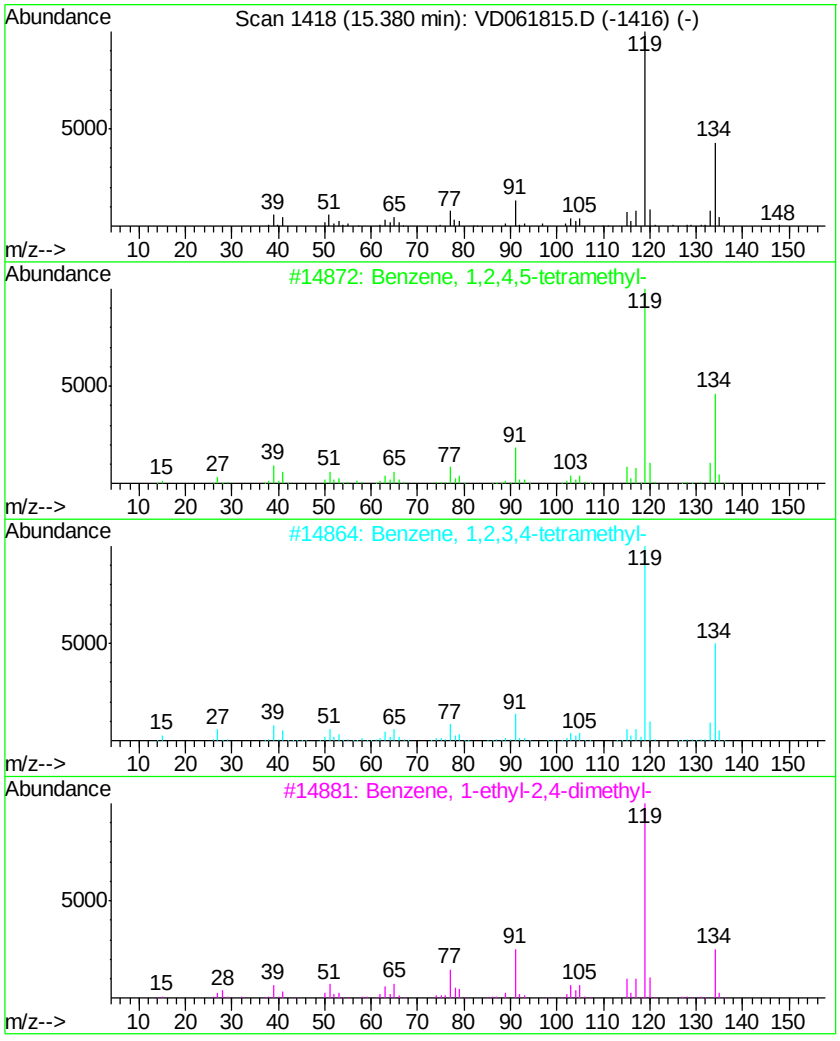
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

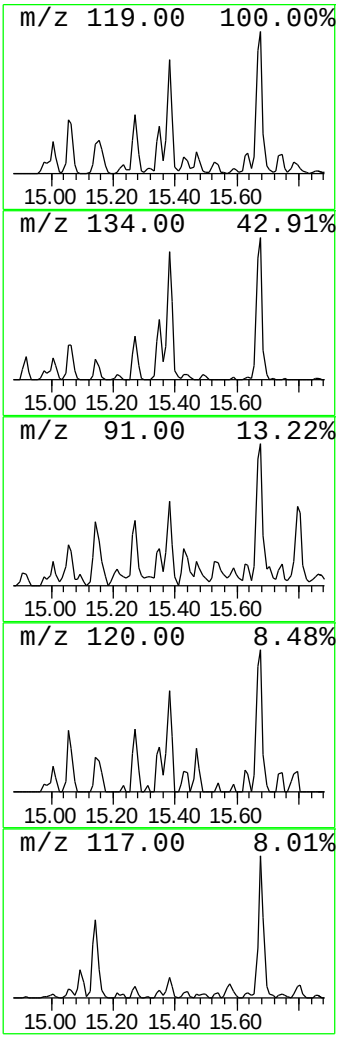
**********

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.38 | 17.02 ug/l | 186965 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 94 |
| 4 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

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

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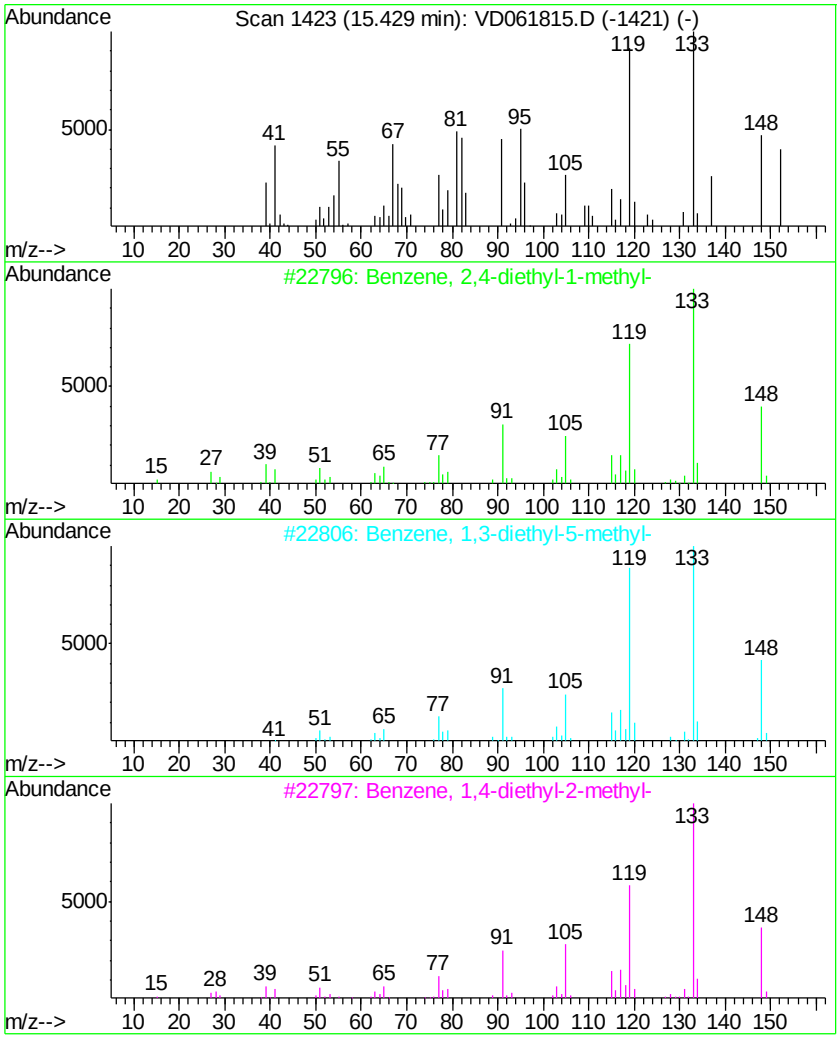
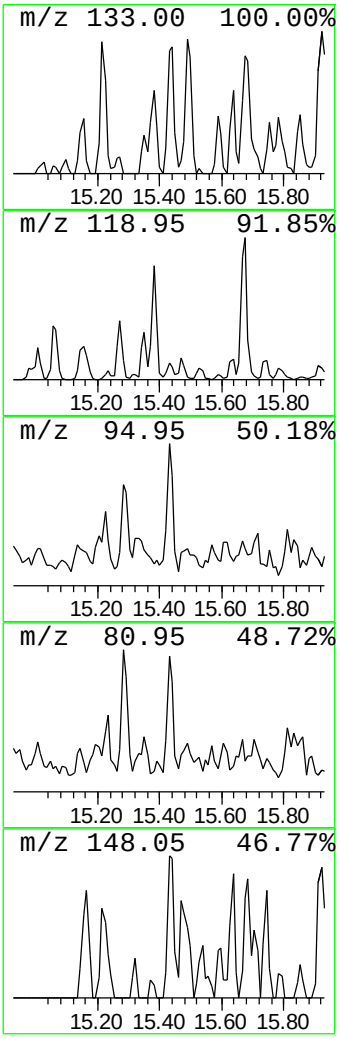
Peak Number 7 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.43 | 11.72 ug/l | 128692 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 50 |
| 2 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 50 |
| 3 | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16 | 013632-94-5 | 30 |
| 4 | 3,4-Dihydro-2-quinoxalinol | 148 | C8H8N2O | 1000332-36-8 | 18 |
| 5 | 5H-Cyclopentapyrazine, 6,7-dihyd... | 148 | C9H12N2 | 038917-61-2 | 18 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

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

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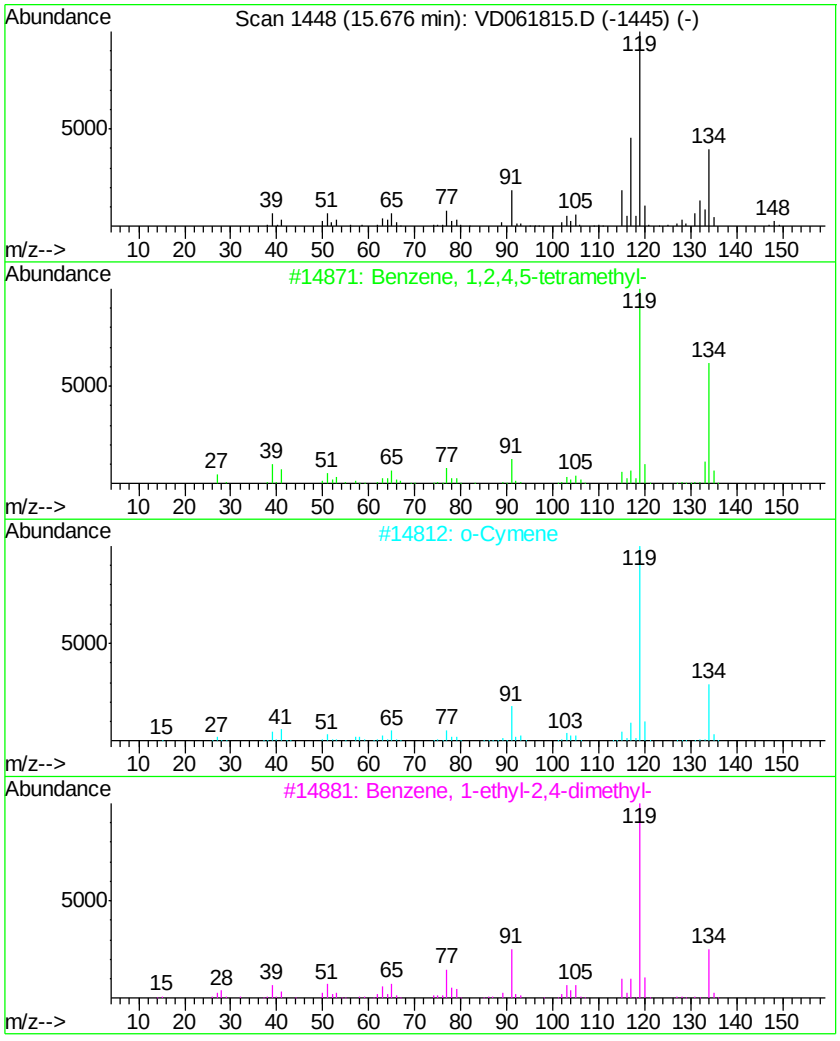
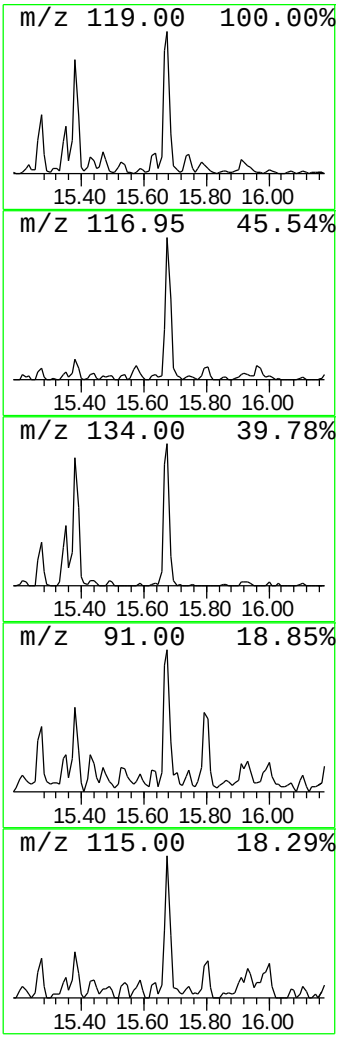
Peak Number 8 o-Cymene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.68 | 34.44 ug/l | 378312 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 76 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 70 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 70 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 70 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 68 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

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

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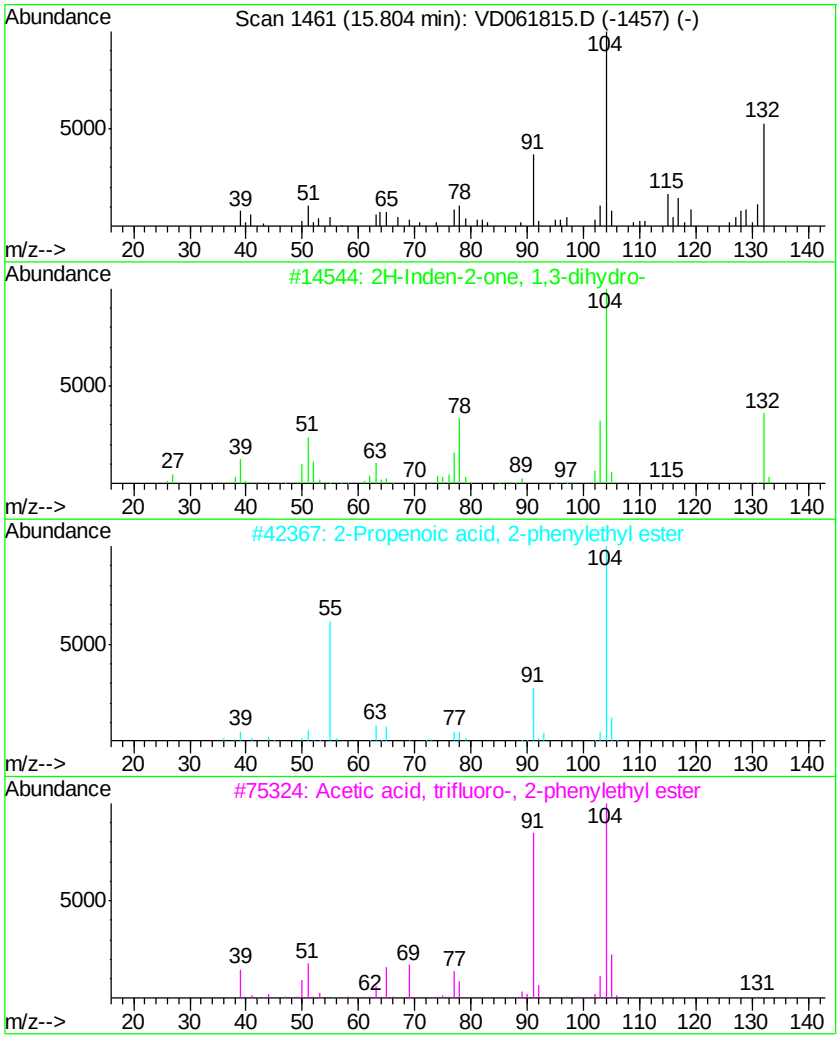
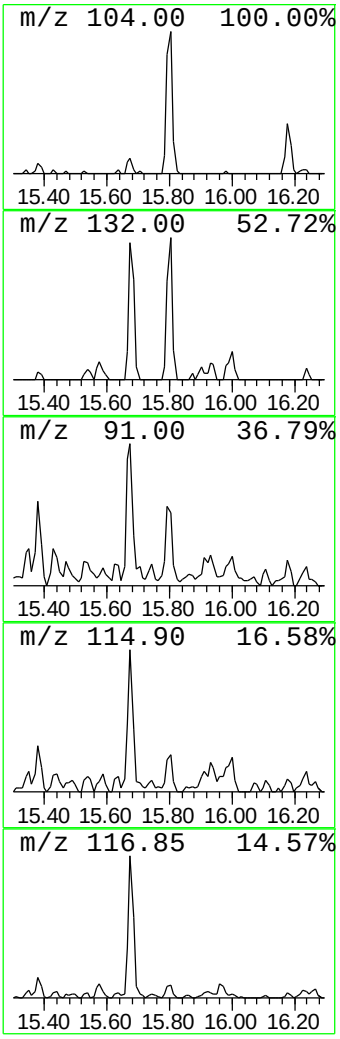
Peak Number 9 2H-Inden-2-one, 1,3-dihydro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.80 | 12.73 ug/l | 139831 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 40 |
| 2 | 2-Propenoic acid, 2-phenylethyl ... | 176 | C11H12O2 | 003530-36-7 | 38 |
| 3 | Acetic acid, trifluoro-, 2-phenyl... | 218 | C10H9F3O2 | 055419-66-4 | 38 |
| 4 | Bromoacetic acid, 2-phenylethyl ... | 242 | C10H11BrO2 | 003785-33-9 | 38 |
| 5 | Acetic acid, 2-phenylethyl ester | 164 | C10H12O2 | 000103-45-7 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260

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

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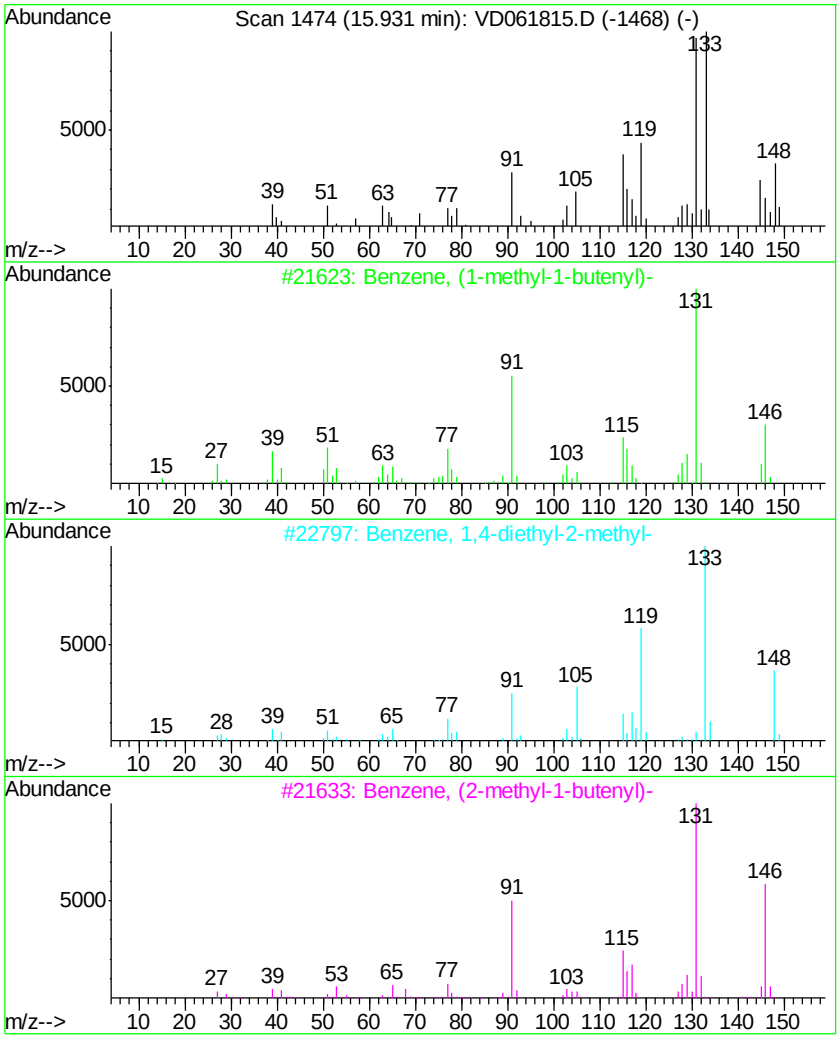
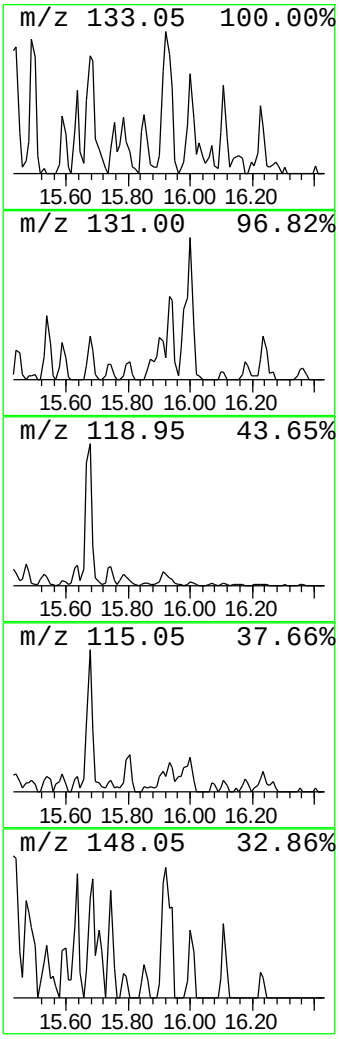
Peak Number 10 Benzene, (1-methyl-1-butenyl)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.93 | 11.83 ug/l | 129901 | 1,4-Dichlorobenzene-d4 | 14.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 80 |
| 2 | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16 | 013632-94-5 | 45 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 42 |
| 4 | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14 | 079209-36-2 | 38 |
| 5 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
Data File : VD061815.D
Acq On : 16 Apr 2019 17:03
Operator : VA/AP
Sample : K2358-10
Misc : 4.88g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** TP-7-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.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 |
| Ethane, 1,1-diflu... | 1.57 | 11.0 | ug/l | 256849 | 1 | 7.06 | 1170690 | 50.0 |
| Benzene, 2-ethyl-... | 14.78 | 15.4 | ug/l | 169420 | 4 | 14.52 | 549221 | 50.0 |
| Benzene, 4-ethyl-... | 15.06 | 9.9 | ug/l | 108732 | 4 | 14.52 | 549221 | 50.0 |
| 3-Phenylbut-1-ene | 15.14 | 16.2 | ug/l | 177966 | 4 | 14.52 | 549221 | 50.0 |
| Benzene, 1-ethyl-... | 15.27 | 15.9 | ug/l | 174924 | 4 | 14.52 | 549221 | 50.0 |
| Benzene, 1,2,4,5-... | 15.38 | 17.0 | ug/l | 186965 | 4 | 14.52 | 549221 | 50.0 |
| Benzene, 2,4-diet... | 15.43 | 11.7 | ug/l | 128692 | 4 | 14.52 | 549221 | 50.0 |
| o-Cymene | 15.68 | 34.4 | ug/l | 378312 | 4 | 14.52 | 549221 | 50.0 |
| 2H-Inden-2-one, 1... | 15.80 | 12.7 | ug/l | 139831 | 4 | 14.52 | 549221 | 50.0 |
| Benzene, (1-methy... | 15.93 | 11.8 | ug/l | 129901 | 4 | 14.52 | 549221 | 50.0 |