LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-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_F\METHODS\82F053019S.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 | 1.124 | 57 | 60 | 68 | rBV3 | 31042 | 97530 | 3.67% | 0.264% |
| 2 | 2.356 | 181 | 185 | 192 | rVB4 | 40268 | 133956 | 5.04% | 0.362% |
| 3 | 2.504 | 198 | 200 | 204 | rBV4 | 13651 | 32545 | 1.23% | 0.088% |
| 4 | 3.086 | 256 | 259 | 263 | rBV6 | 8744 | 31817 | 1.20% | 0.086% |
| 5 | 3.135 | 263 | 264 | 271 | rVB2 | 28040 | 60618 | 2.28% | 0.164% |
| 6 | 4.239 | 368 | 376 | 378 | rBV | 16545 | 45844 | 1.73% | 0.124% |
| 7 | 4.328 | 379 | 385 | 397 | rVB2 | 346960 | 1045500 | 39.37% | 2.827% |
| 8 | 4.840 | 433 | 437 | 443 | rVB4 | 14037 | 45900 | 1.73% | 0.124% |
| 9 | 5.067 | 450 | 460 | 473 | rBV2 | 791793 | 2617063 | 98.56% | 7.076% |
| 10 | 5.797 | 528 | 534 | 543 | rBV | 992632 | 2644318 | 99.58% | 7.149% |
| 11 | 7.482 | 699 | 705 | 708 | rVB7 | 10583 | 28401 | 1.07% | 0.077% |
| 12 | 7.729 | 724 | 730 | 734 | rBV | 818271 | 1854228 | 69.83% | 5.013% |
| 13 | 7.798 | 734 | 737 | 742 | rVB | 95152 | 213359 | 8.04% | 0.577% |
| 14 | 9.927 | 947 | 953 | 962 | rBV | 1184786 | 2655338 | 100.00% | 7.179% |
| 15 | 10.045 | 963 | 965 | 970 | rVB5 | 14133 | 28402 | 1.07% | 0.077% |
| 16 | 10.282 | 985 | 989 | 993 | rVB4 | 14193 | 33141 | 1.25% | 0.090% |
| 17 | 10.824 | 1042 | 1044 | 1048 | rVB3 | 16398 | 33559 | 1.26% | 0.091% |
| 18 | 11.218 | 1081 | 1084 | 1086 | rVV4 | 20147 | 39342 | 1.48% | 0.106% |
| 19 | 11.248 | 1086 | 1087 | 1092 | rVB5 | 16605 | 28081 | 1.06% | 0.076% |
| 20 | 11.366 | 1096 | 1099 | 1102 | rVV3 | 22291 | 37496 | 1.41% | 0.101% |
| 21 | 11.504 | 1109 | 1113 | 1124 | rBV | 659649 | 1126841 | 42.44% | 3.047% |
| 22 | 11.642 | 1124 | 1127 | 1129 | rVV3 | 33252 | 58247 | 2.19% | 0.157% |
| 23 | 11.681 | 1129 | 1131 | 1134 | rVV2 | 20785 | 34096 | 1.28% | 0.092% |
| 24 | 11.740 | 1134 | 1137 | 1139 | rVV | 88067 | 127610 | 4.81% | 0.345% |
| 25 | 11.800 | 1139 | 1143 | 1147 | rVV | 55818 | 124647 | 4.69% | 0.337% |
| 26 | 11.908 | 1150 | 1154 | 1157 | rVB2 | 48361 | 80682 | 3.04% | 0.218% |
| 27 | 12.066 | 1167 | 1170 | 1172 | rBV3 | 64956 | 101307 | 3.82% | 0.274% |
| 28 | 12.095 | 1172 | 1173 | 1176 | rVB | 49366 | 55473 | 2.09% | 0.150% |
| 29 | 12.214 | 1183 | 1185 | 1188 | rBV3 | 18535 | 36940 | 1.39% | 0.100% |
| 30 | 12.273 | 1188 | 1191 | 1196 | rVB | 179994 | 298808 | 11.25% | 0.808% |
| 31 | 12.371 | 1197 | 1201 | 1205 | rBV5 | 18886 | 48764 | 1.84% | 0.132% |
| 32 | 12.440 | 1205 | 1208 | 1211 | rBV3 | 47449 | 98923 | 3.73% | 0.267% |
| 33 | 12.490 | 1211 | 1213 | 1215 | rVV3 | 55935 | 106503 | 4.01% | 0.288% |
| 34 | 12.519 | 1215 | 1216 | 1218 | rVV2 | 59006 | 71064 | 2.68% | 0.192% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-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_F\METHODS\82F053019S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.618 | 1222 | 1226 | 1230 | rBV | 1212285 | 1965476 | 74.02% | 5.314% |
| 36 | 12.677 | 1230 | 1232 | 1235 | rVV | 203560 | 268743 | 10.12% | 0.727% |
| 37 | 12.785 | 1240 | 1243 | 1246 | rBV2 | 152918 | 285457 | 10.75% | 0.772% |
| 38 | 12.835 | 1246 | 1248 | 1250 | rVV | 159856 | 267882 | 10.09% | 0.724% |
| 39 | 12.874 | 1250 | 1252 | 1259 | rVB3 | 293081 | 706277 | 26.60% | 1.910% |
| 40 | 12.992 | 1261 | 1264 | 1266 | rBV2 | 63712 | 110720 | 4.17% | 0.299% |
| 41 | 13.061 | 1269 | 1271 | 1275 | rVB | 148579 | 231571 | 8.72% | 0.626% |
| 42 | 13.150 | 1275 | 1280 | 1284 | rBV3 | 198613 | 605705 | 22.81% | 1.638% |
| 43 | 13.209 | 1284 | 1286 | 1288 | rVV | 213562 | 294969 | 11.11% | 0.797% |
| 44 | 13.259 | 1289 | 1291 | 1292 | rVV | 161494 | 219582 | 8.27% | 0.594% |
| 45 | 13.288 | 1292 | 1294 | 1298 | rVV3 | 161013 | 390272 | 14.70% | 1.055% |
| 46 | 13.347 | 1298 | 1300 | 1303 | rVV2 | 102071 | 199421 | 7.51% | 0.539% |
| 47 | 13.387 | 1303 | 1304 | 1307 | rVV2 | 59980 | 84004 | 3.16% | 0.227% |
| 48 | 13.436 | 1307 | 1309 | 1311 | rVV | 151577 | 174303 | 6.56% | 0.471% |
| 49 | 13.475 | 1311 | 1313 | 1314 | rVV2 | 97590 | 136283 | 5.13% | 0.368% |
| 50 | 13.544 | 1317 | 1320 | 1322 | rVV2 | 152344 | 244115 | 9.19% | 0.660% |
| 51 | 13.594 | 1322 | 1325 | 1327 | rVV | 256943 | 401832 | 15.13% | 1.086% |
| 52 | 13.633 | 1327 | 1329 | 1331 | rVV3 | 107178 | 165785 | 6.24% | 0.448% |
| 53 | 13.663 | 1331 | 1332 | 1333 | rVV | 65657 | 60080 | 2.26% | 0.162% |
| 54 | 13.692 | 1333 | 1335 | 1338 | rVB2 | 60901 | 68272 | 2.57% | 0.185% |
| 55 | 13.761 | 1338 | 1342 | 1345 | rBV2 | 662049 | 1114265 | 41.96% | 3.013% |
| 56 | 13.811 | 1345 | 1347 | 1350 | rVV3 | 152613 | 278795 | 10.50% | 0.754% |
| 57 | 13.860 | 1350 | 1352 | 1353 | rVV | 150440 | 183744 | 6.92% | 0.497% |
| 58 | 13.899 | 1353 | 1356 | 1360 | rVV3 | 797777 | 1502078 | 56.57% | 4.061% |
| 59 | 13.968 | 1360 | 1363 | 1365 | rVV2 | 213270 | 359091 | 13.52% | 0.971% |
| 60 | 14.018 | 1365 | 1368 | 1371 | rVV | 498757 | 678585 | 25.56% | 1.835% |
| 61 | 14.126 | 1373 | 1379 | 1382 | rVV | 238655 | 513822 | 19.35% | 1.389% |
| 62 | 14.195 | 1382 | 1386 | 1389 | rVV4 | 364545 | 829437 | 31.24% | 2.242% |
| 63 | 14.264 | 1391 | 1393 | 1399 | rVV4 | 351880 | 599292 | 22.57% | 1.620% |
| 64 | 14.343 | 1399 | 1401 | 1403 | rVV3 | 96353 | 128314 | 4.83% | 0.347% |
| 65 | 14.402 | 1404 | 1407 | 1408 | rVV3 | 66456 | 121819 | 4.59% | 0.329% |
| 66 | 14.451 | 1409 | 1412 | 1415 | rVV3 | 317566 | 615633 | 23.18% | 1.664% |
| 67 | 14.501 | 1415 | 1417 | 1425 | rVV4 | 433424 | 1073748 | 40.44% | 2.903% |
| 68 | 14.599 | 1425 | 1427 | 1429 | rVV3 | 121120 | 186179 | 7.01% | 0.503% |
| 69 | 14.639 | 1429 | 1431 | 1434 | rVV2 | 293083 | 434002 | 16.34% | 1.173% |
| 70 | 14.688 | 1434 | 1436 | 1438 | rVV3 | 41373 | 67530 | 2.54% | 0.183% |
| 71 | 14.777 | 1442 | 1445 | 1450 | rVB | 970550 | 1373649 | 51.73% | 3.714% |

LSC Area Percent Report

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Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-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_F\METHODS\82F053019S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.865 | 1452 | 1454 | 1455 | rBV | 84445 | 98916 | 3.73% | 0.267% |
| 73 | 14.915 | 1455 | 1459 | 1461 | rVV3 | 162992 | 382140 | 14.39% | 1.033% |
| 74 | 14.974 | 1464 | 1465 | 1468 | rVB2 | 82899 | 113150 | 4.26% | 0.306% |
| 75 | 15.033 | 1468 | 1471 | 1474 | rBV2 | 518895 | 811885 | 30.58% | 2.195% |
| 76 | 15.151 | 1479 | 1483 | 1485 | rVV | 582339 | 1022587 | 38.51% | 2.765% |
| 77 | 15.200 | 1485 | 1488 | 1492 | rVV4 | 243979 | 589450 | 22.20% | 1.594% |
| 78 | 15.279 | 1494 | 1496 | 1497 | rVV | 93686 | 139868 | 5.27% | 0.378% |
| 79 | 15.319 | 1497 | 1500 | 1503 | rVV2 | 263369 | 542324 | 20.42% | 1.466% |
| 80 | 15.388 | 1503 | 1507 | 1510 | rVV3 | 246546 | 657102 | 24.75% | 1.777% |
| 81 | 15.447 | 1510 | 1513 | 1518 | rVV | 156006 | 338179 | 12.74% | 0.914% |
| 82 | 15.536 | 1520 | 1522 | 1523 | rVV2 | 49539 | 79016 | 2.98% | 0.214% |
| 83 | 15.565 | 1523 | 1525 | 1527 | rVV2 | 67239 | 123841 | 4.66% | 0.335% |
| 84 | 15.634 | 1530 | 1532 | 1533 | rVV2 | 42344 | 59429 | 2.24% | 0.161% |
| 85 | 15.683 | 1533 | 1537 | 1542 | rVV | 221653 | 499451 | 18.81% | 1.350% |
| 86 | 15.752 | 1542 | 1544 | 1549 | rVV4 | 53577 | 113787 | 4.29% | 0.308% |
| 87 | 15.831 | 1549 | 1552 | 1553 | rVV3 | 28643 | 51772 | 1.95% | 0.140% |
| 88 | 15.861 | 1553 | 1555 | 1558 | rVB3 | 45686 | 79111 | 2.98% | 0.214% |
| 89 | 15.979 | 1564 | 1567 | 1569 | rBV3 | 45533 | 98832 | 3.72% | 0.267% |
| 90 | 16.028 | 1569 | 1572 | 1578 | rVB5 | 56018 | 169263 | 6.37% | 0.458% |

Sum of corrected areas: 36987178

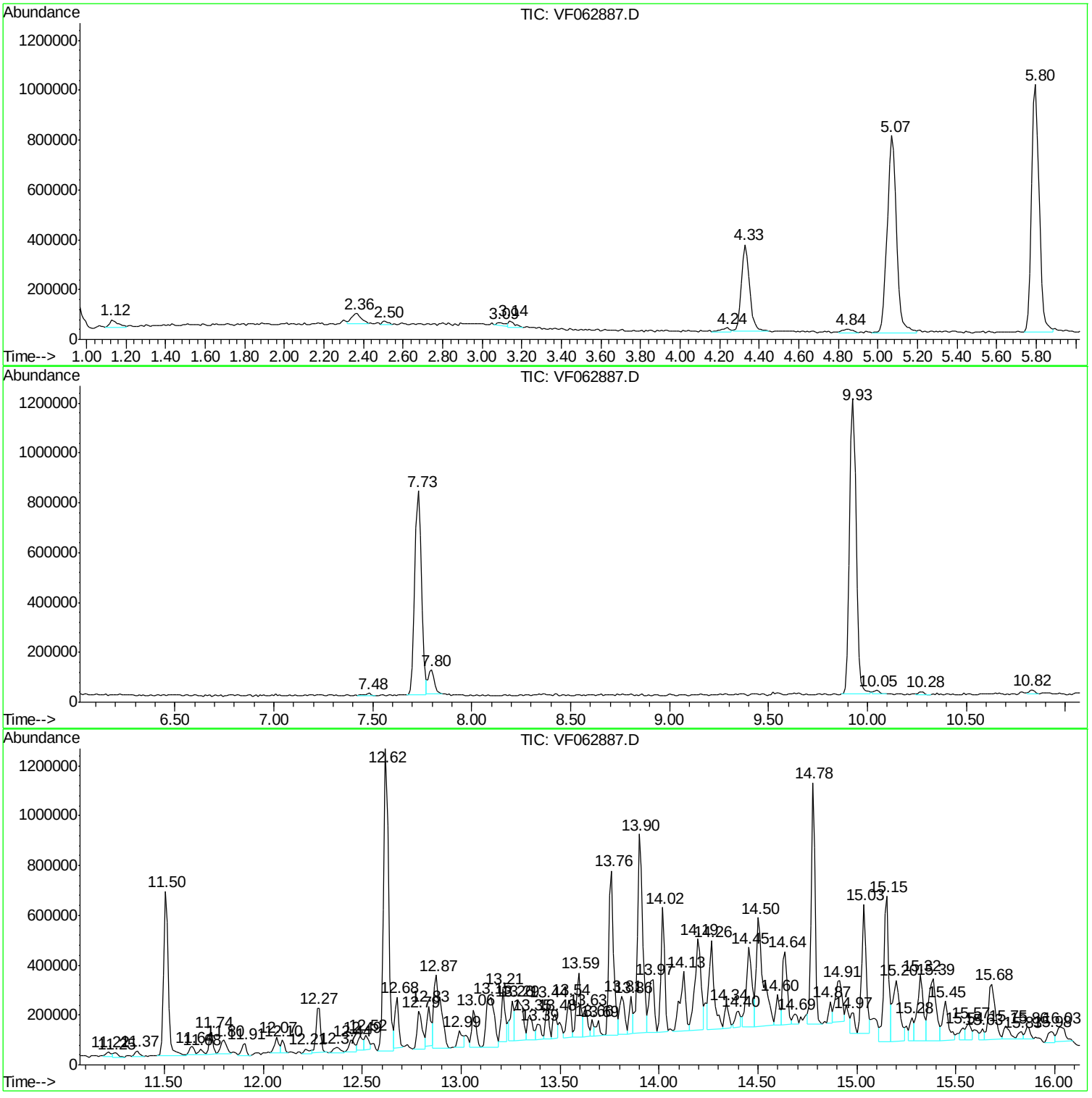
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

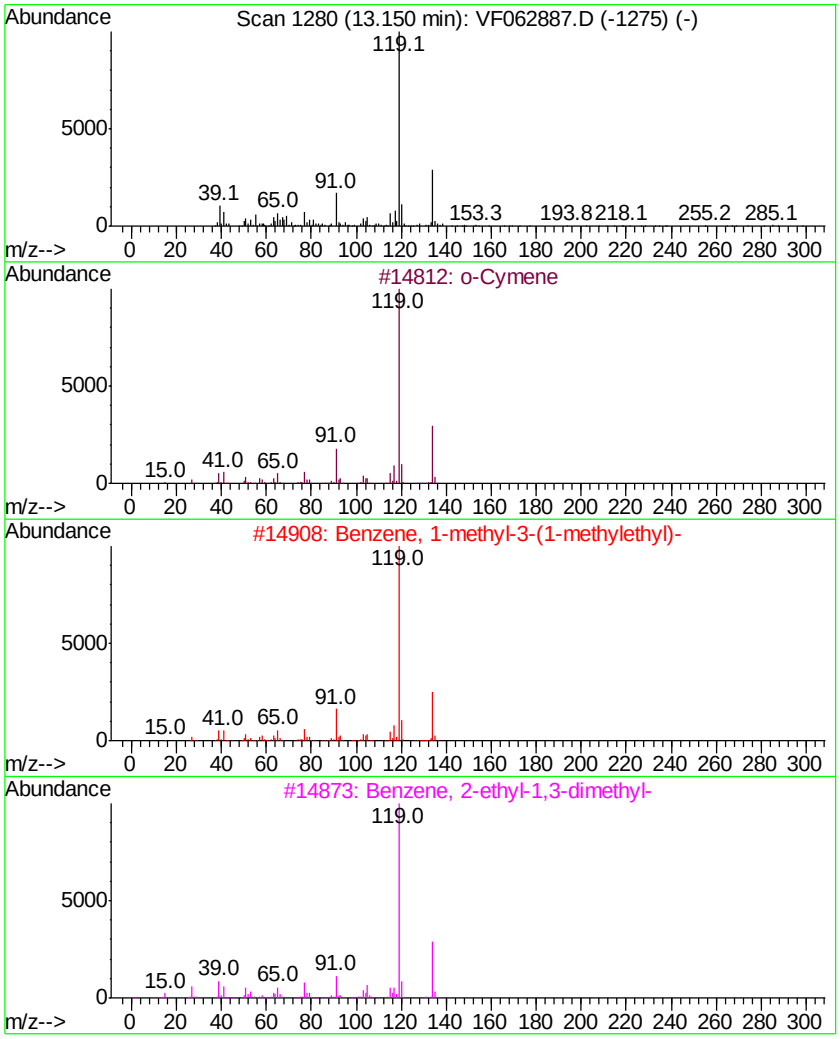
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

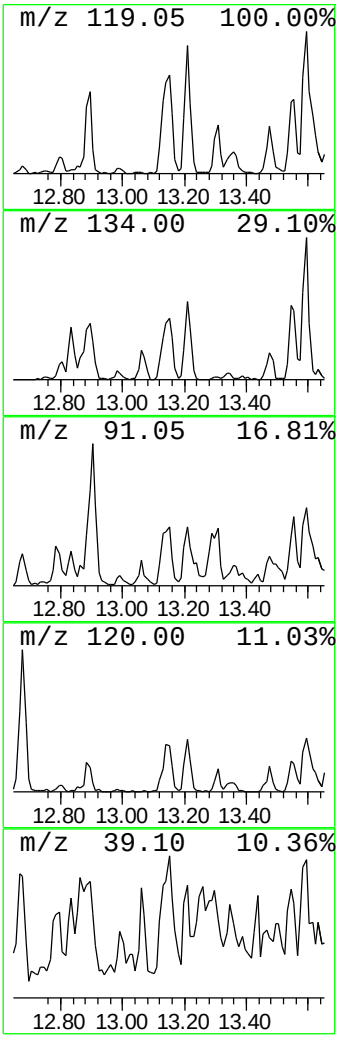
**********

Peak Number 1 o-Cymene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.15 | 15.41 ug/l | 605705 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 94 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 91 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

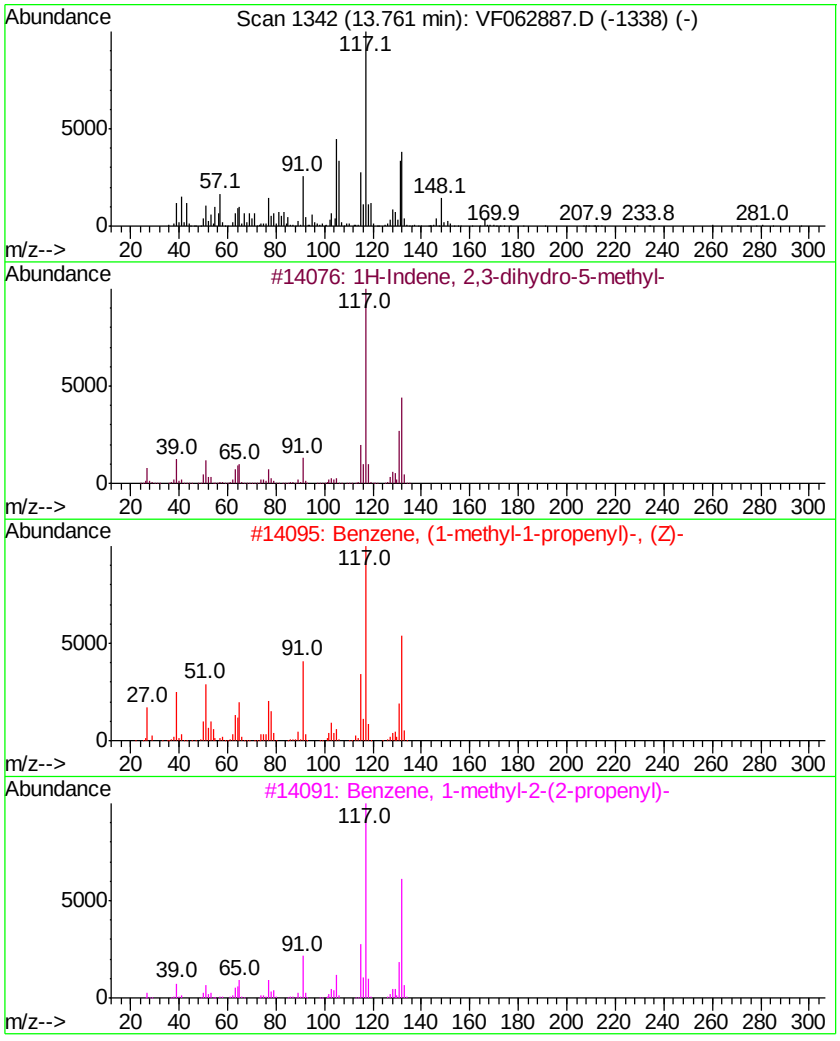
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

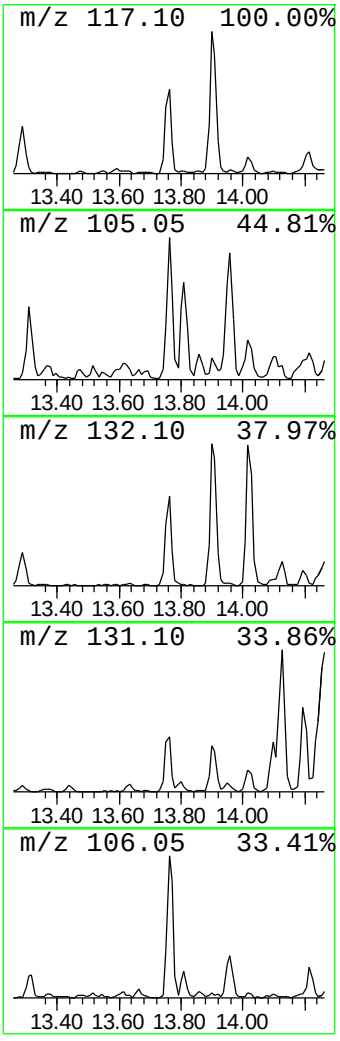
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.76 | 28.35 ug/l | 1114270 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 93 |
| 2 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 89 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 76 |
| 4 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 76 |
| 5 | 3a,6-Methano-3aH-indene, 2,3,6,7... | 132 | C10H12 | 098640-29-0 | 70 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

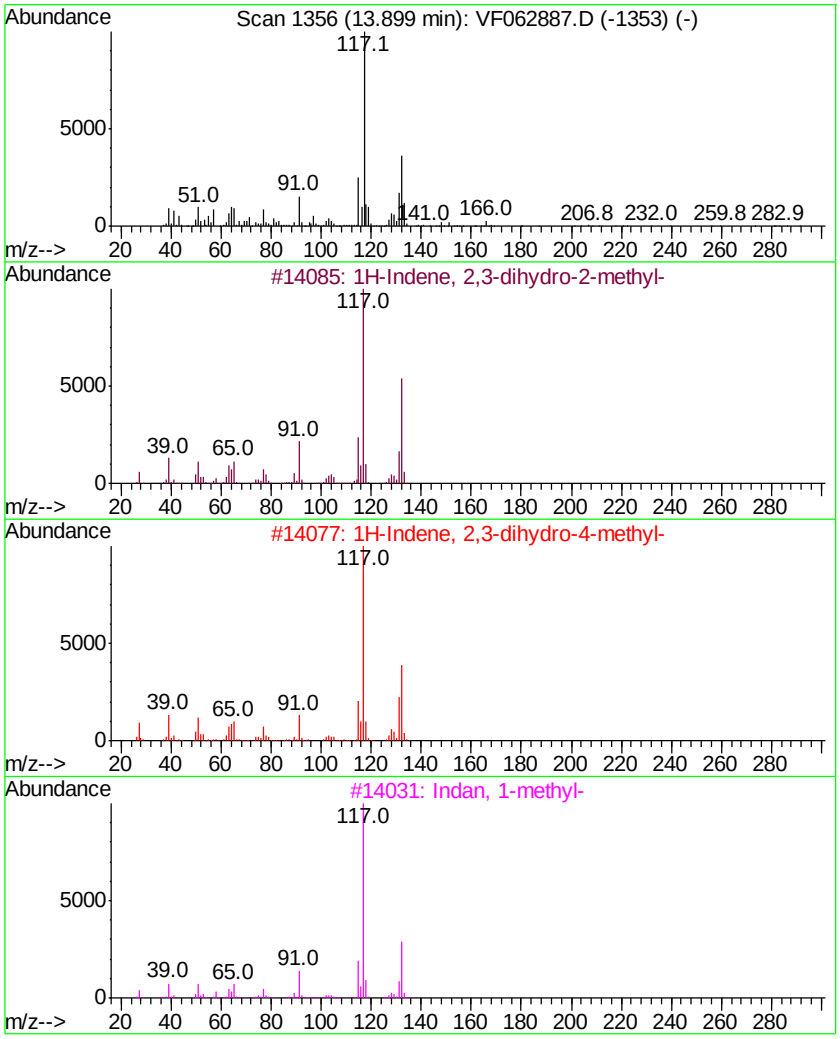
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

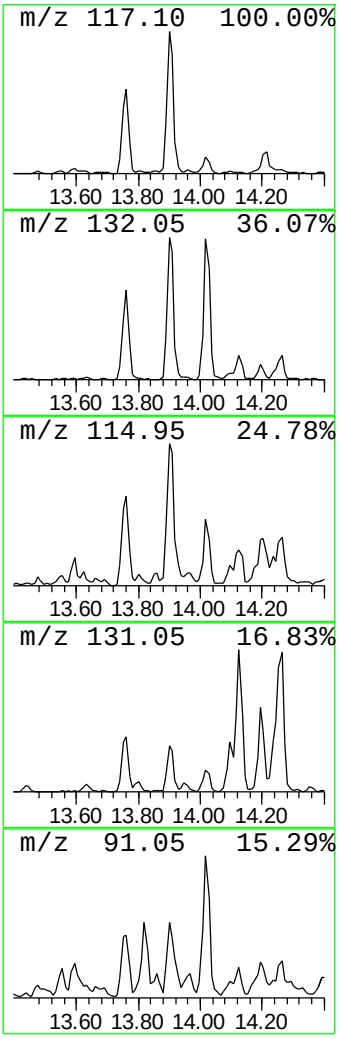
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.90 | 38.21 ug/l | 1502080 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 87 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 4 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 81 |
| 5 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 74 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

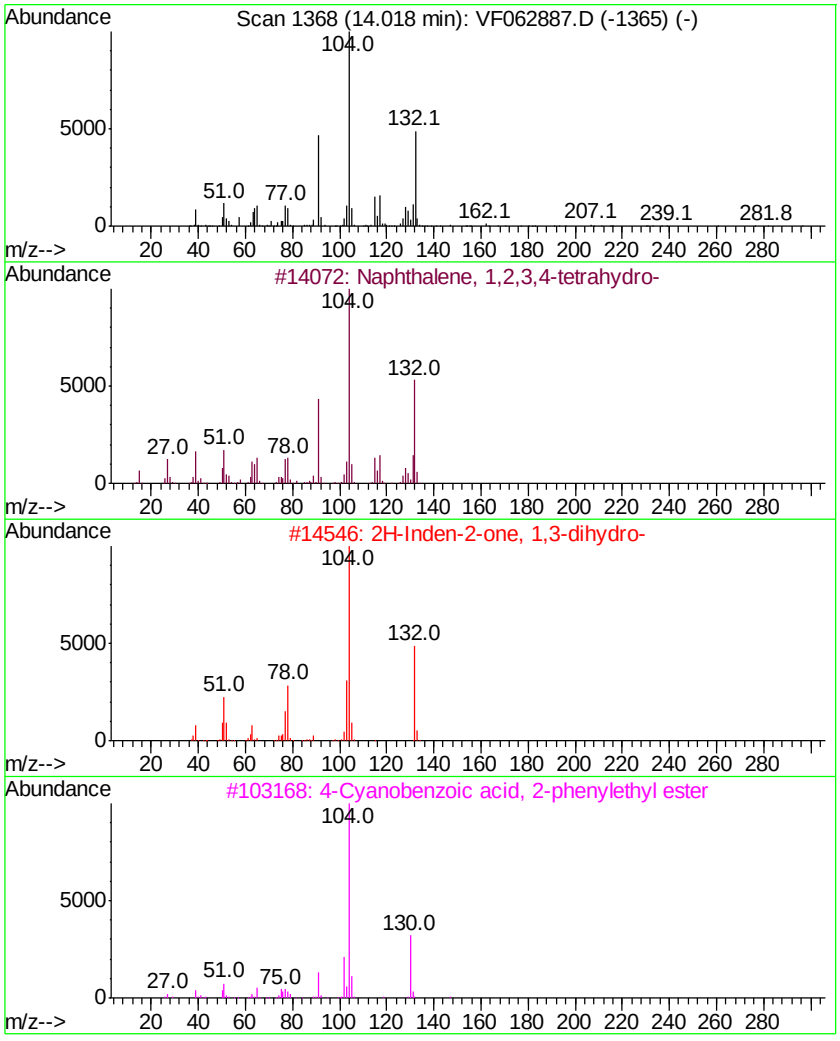
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

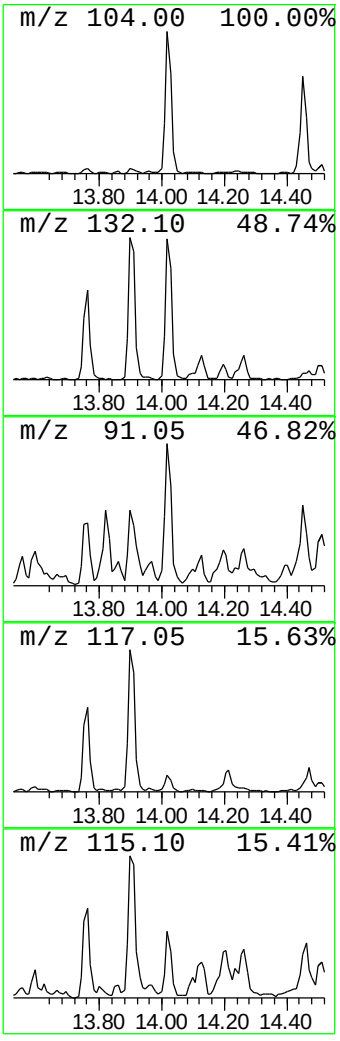
**********

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.02 | 17.26 ug/l | 678585 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro- | 132 | C10H12 | 000119-64-2 | 96 |
| 2 | 2H-Inden-2-one, 1,3-dihydro- | 132 | C9H8O | 000615-13-4 | 58 |
| 3 | 4-Cyanobenzoic acid, 2-phenyleth... | 251 | C16H13NO2 | 131786-46-4 | 38 |
| 4 | Benzene, 1,1'-(1,2-cyclobutanedi... | 208 | C16H16 | 007694-30-6 | 35 |
| 5 | 2-Furanone, 4-phenyltetrahydro | 162 | C10H10O2 | 1000197-38-4 | 32 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

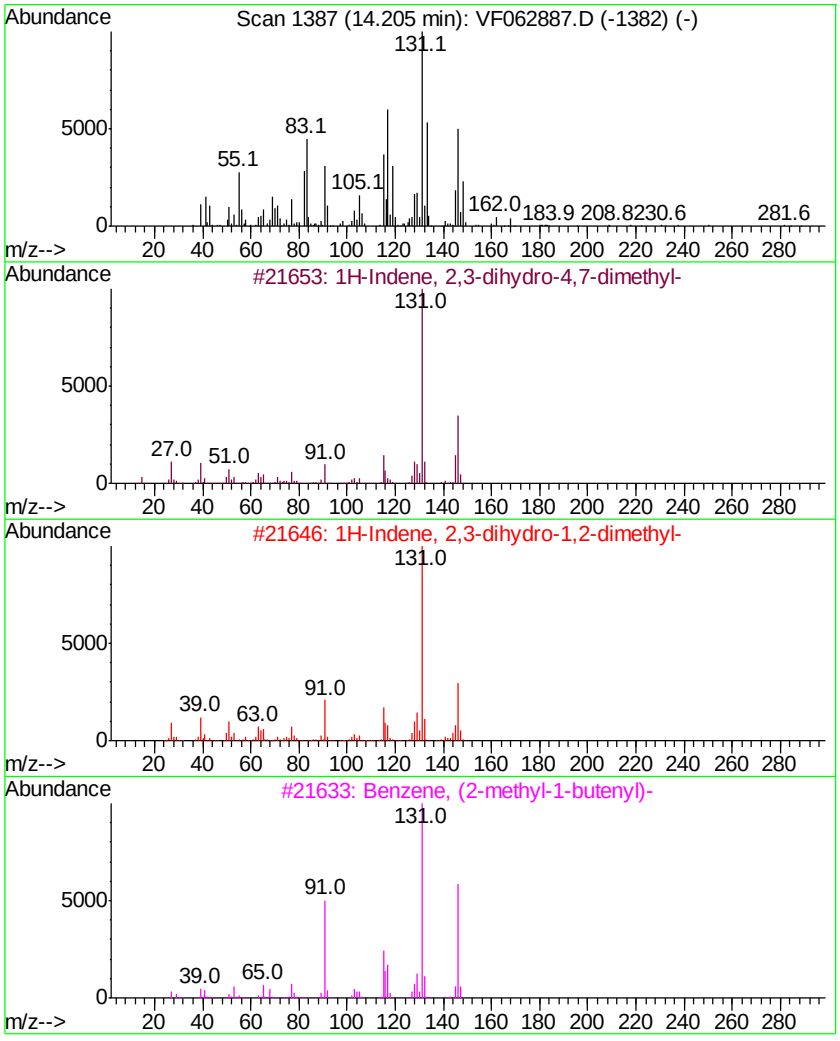
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

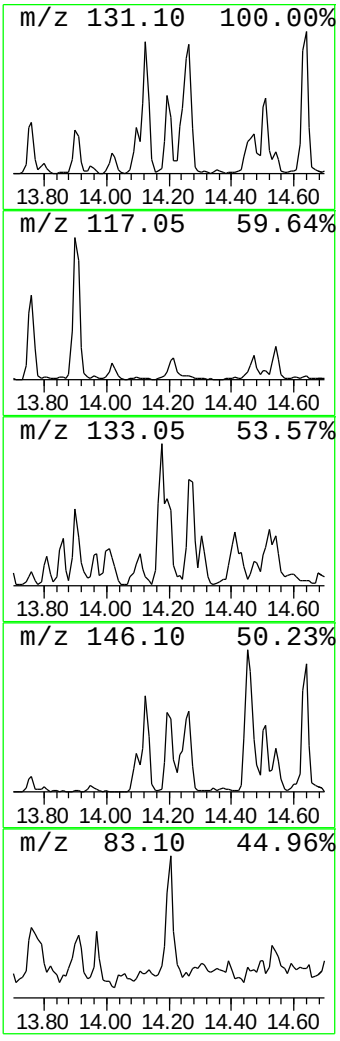
**********

Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.20 | 21.10 ug/l | 829437 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 78 |
| 3 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 78 |
| 4 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 60 |
| 5 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 60 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

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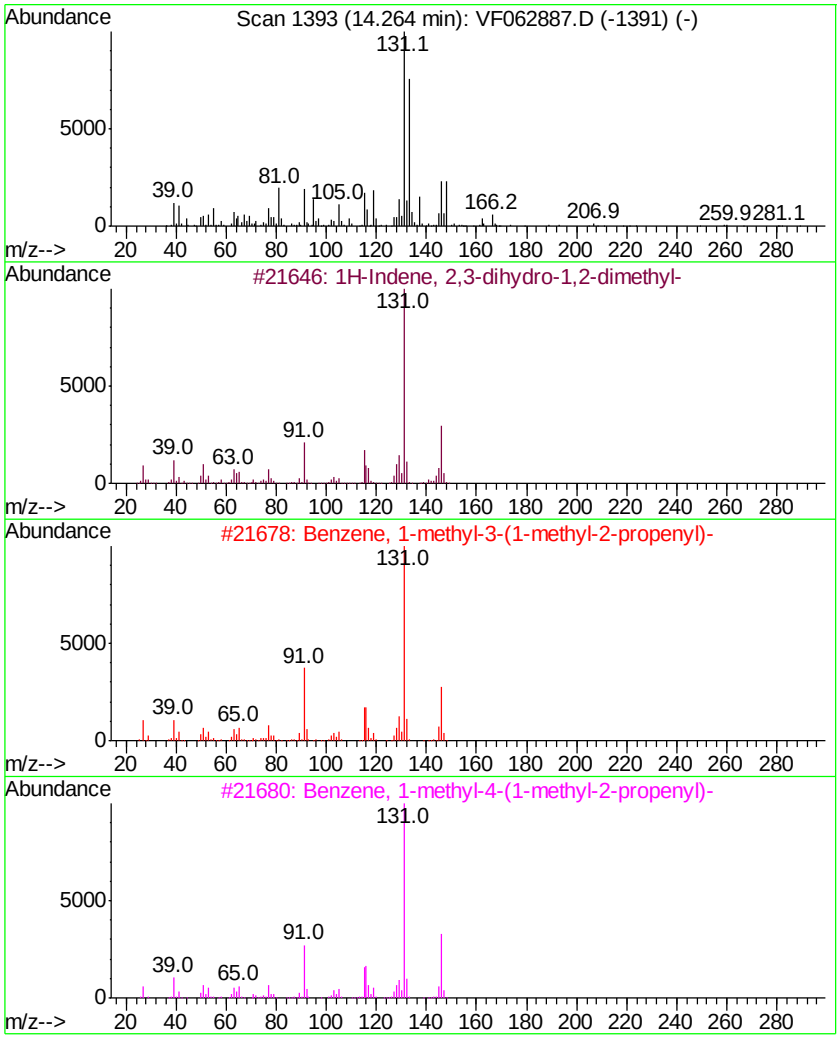
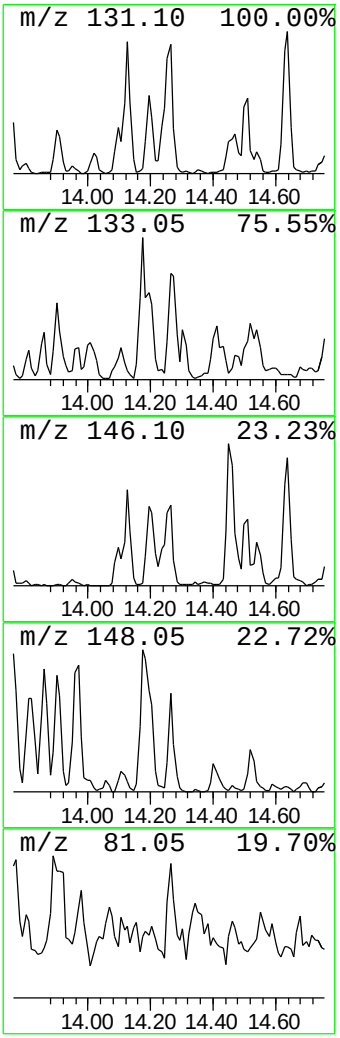
Peak Number 6 unknown14.26 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.26 | 15.25 ug/l | 599292 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 46 |
| 2 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 45 |
| 3 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 43 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 41 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 41 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

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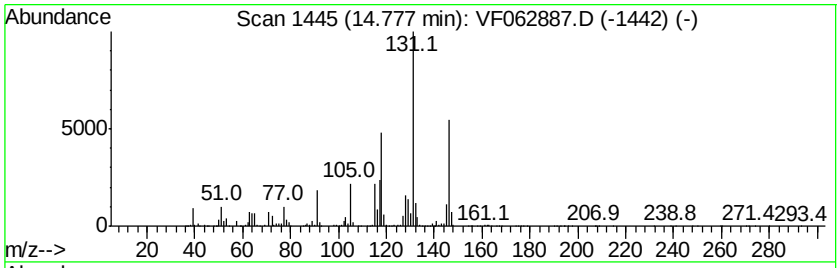
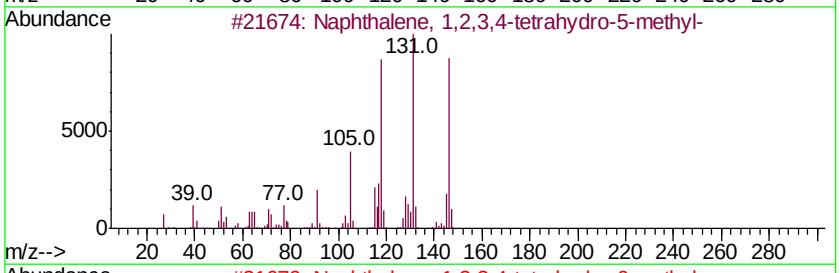
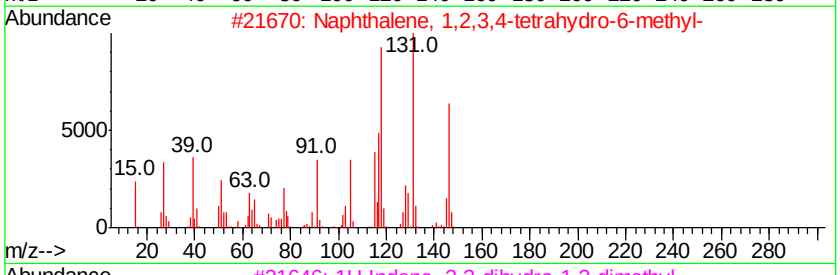
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

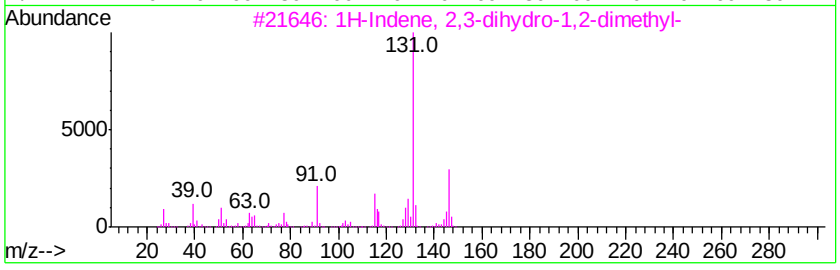
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.78 | 34.94 ug/l | 1373650 | 1,4-Dichlorobenzene-d4 | 12.62 |

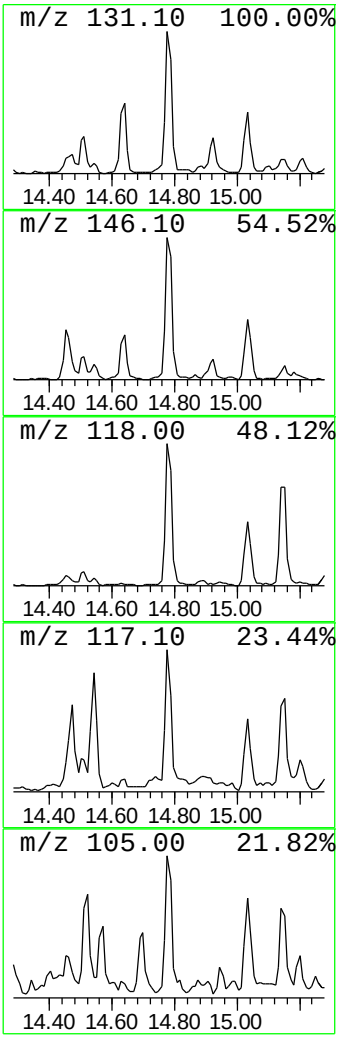
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 83 |
| 4 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 70 |
| 5 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

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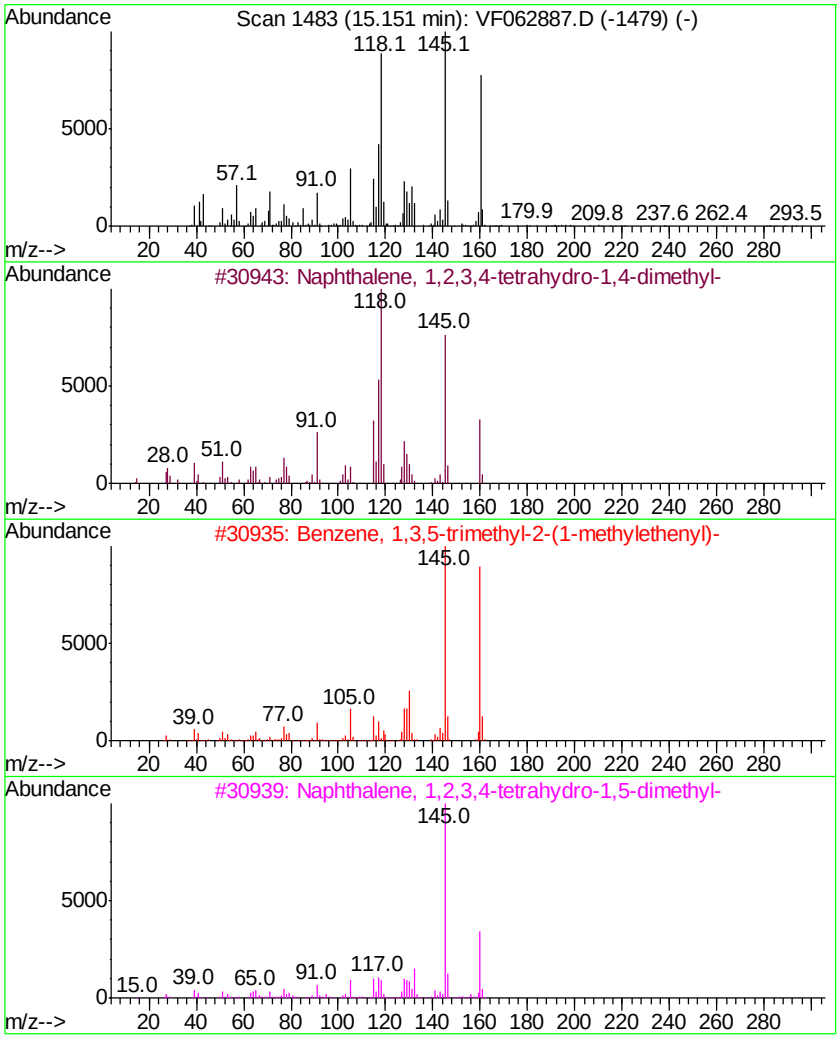
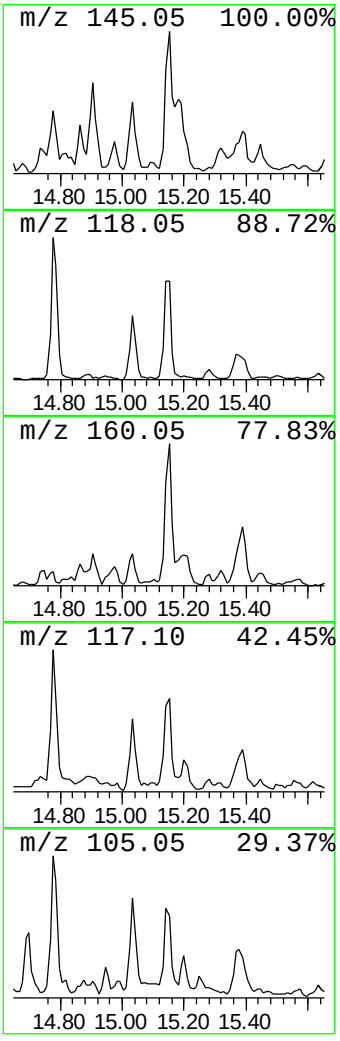
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.15 | 26.01 ug/l | 1022590 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 95 |
| 2 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 78 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 68 |
| 4 | Benzene, (1,3-dimethyl-2-butenyl)- | 160 | C12H16 | 050704-01-3 | 64 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 64 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

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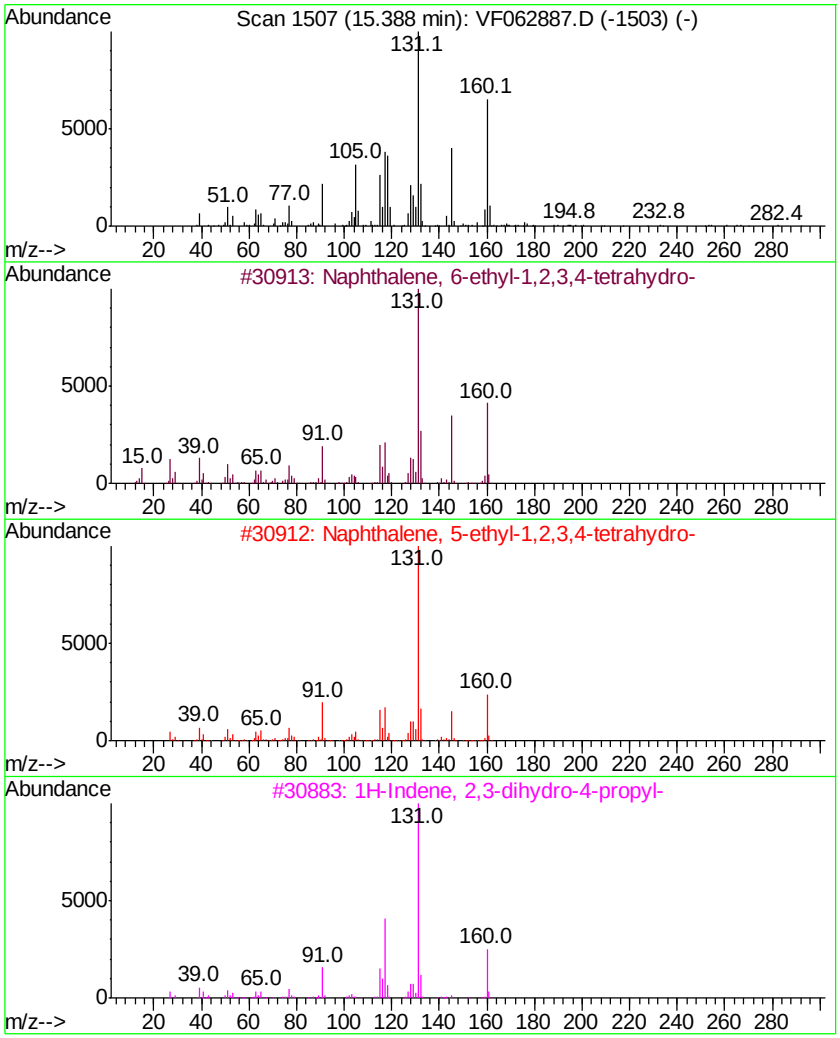
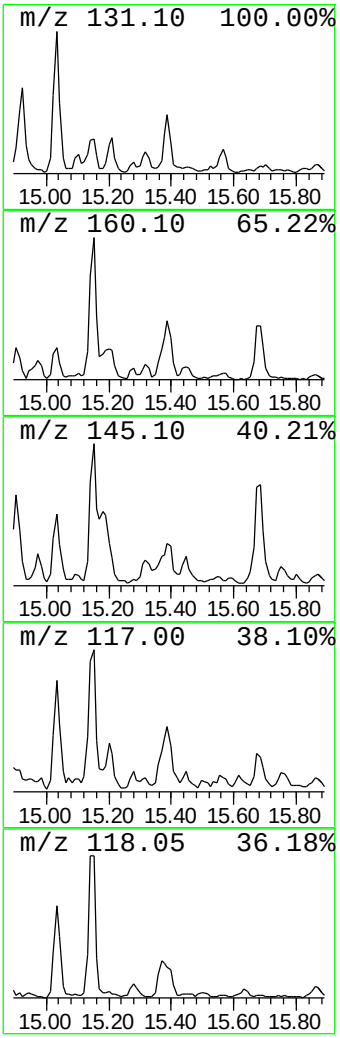
Peak Number 10 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.39 | 16.72 ug/l | 657102 | 1,4-Dichlorobenzene-d4 | 12.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 6-ethyl-1,2,3,4-tet... | 160 | C12H16 | 022531-20-0 | 76 |
| 2 | Naphthalene, 5-ethyl-1,2,3,4-tet... | 160 | C12H16 | 042775-75-7 | 64 |
| 3 | 1H-Indene, 2,3-dihydro-4-propyl- | 160 | C12H16 | 092013-16-6 | 52 |
| 4 | 1H-Pyrrolo[2,3-b]pyridine, 2-n-p... | 160 | C10H12N2 | 1000212-02-1 | 49 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060619\
Data File : VF062887.D
Acq On : 6 Jun 2019 17:23
Operator : FY/SY
Sample : K3160-01
Misc : 6.35g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-060619-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.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 |
| o-Cymene | 13.15 | 15.4 | ug/l | 605705 | 4 | 12.62 | 1965480 | 50.0 |
| 1H-Indene, 2,3-di... | 13.76 | 28.4 | ug/l | 1114270 | 4 | 12.62 | 1965480 | 50.0 |
| 1H-Indene, 2,3-di... | 13.90 | 38.2 | ug/l | 1502080 | 4 | 12.62 | 1965480 | 50.0 |
| Naphthalene, 1,2,... | 14.02 | 17.3 | ug/l | 678585 | 4 | 12.62 | 1965480 | 50.0 |
| 1H-Indene, 2,3-di... | 14.20 | 21.1 | ug/l | 829437 | 4 | 12.62 | 1965480 | 50.0 |
| unknown14.26 | 14.26 | 15.3 | ug/l | 599292 | 4 | 12.62 | 1965480 | 50.0 |
| Naphthalene, 1,2,... | 14.78 | 34.9 | ug/l | 1373650 | 4 | 12.62 | 1965480 | 50.0 |
| Naphthalene, 1,2,... | 15.15 | 26.0 | ug/l | 1022590 | 4 | 12.62 | 1965480 | 50.0 |
| Naphthalene, 6-et... | 15.39 | 16.7 | ug/l | 657102 | 4 | 12.62 | 1965480 | 50.0 |