LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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 | 7.038 | 860 | 870 | 893 | rVB2 | 928774 | 3918407 | 1.37% | 0.173% |
| 2 | 7.996 | 1010 | 1033 | 1043 | rBV5 | 4503456 | 19823881 | 6.95% | 0.877% |
| 3 | 8.202 | 1059 | 1068 | 1087 | rBV3 | 2598759 | 11276015 | 3.95% | 0.499% |
| 4 | 8.479 | 1104 | 1115 | 1119 | rBV3 | 2120328 | 6381702 | 2.24% | 0.282% |
| 5 | 8.543 | 1122 | 1126 | 1132 | rVV2 | 2683552 | 7924192 | 2.78% | 0.351% |
| 6 | 8.614 | 1132 | 1138 | 1173 | rVB2 | 3377887 | 13284274 | 4.66% | 0.588% |
| 7 | 8.879 | 1173 | 1183 | 1206 | rVB | 1383930 | 3846934 | 1.35% | 0.170% |
| 8 | 9.373 | 1251 | 1267 | 1291 | rBV | 33152408 | 137291157 | 48.14% | 6.077% |
| 9 | 9.549 | 1291 | 1297 | 1304 | rVV | 1370743 | 3364841 | 1.18% | 0.149% |
| 10 | 9.643 | 1305 | 1313 | 1329 | rVB2 | 3847401 | 13841259 | 4.85% | 0.613% |
| 11 | 9.790 | 1329 | 1338 | 1355 | rBV2 | 4584902 | 16362939 | 5.74% | 0.724% |
| 12 | 9.937 | 1355 | 1363 | 1365 | rBV2 | 2601082 | 5909241 | 2.07% | 0.262% |
| 13 | 10.002 | 1366 | 1374 | 1388 | rVV4 | 12632812 | 58412563 | 20.48% | 2.586% |
| 14 | 10.132 | 1389 | 1396 | 1415 | rVB2 | 11714523 | 47570115 | 16.68% | 2.106% |
| 15 | 10.355 | 1425 | 1434 | 1438 | rBV3 | 28839892 | 82454410 | 28.91% | 3.650% |
| 16 | 10.532 | 1457 | 1464 | 1478 | rVB3 | 10106524 | 36948449 | 12.96% | 1.635% |
| 17 | 10.696 | 1479 | 1492 | 1502 | rBV2 | 24165162 | 89000457 | 31.21% | 3.940% |
| 18 | 10.796 | 1503 | 1509 | 1512 | rBV3 | 7646804 | 18088159 | 6.34% | 0.801% |
| 19 | 10.879 | 1519 | 1523 | 1531 | rVB4 | 6856273 | 15339728 | 5.38% | 0.679% |
| 20 | 10.979 | 1532 | 1540 | 1550 | rBV | 28853747 | 117522528 | 41.21% | 5.202% |
| 21 | 11.079 | 1551 | 1557 | 1562 | rBV4 | 12738554 | 35554724 | 12.47% | 1.574% |
| 22 | 11.208 | 1573 | 1579 | 1582 | rBV2 | 35049492 | 80009751 | 28.05% | 3.542% |
| 23 | 11.796 | 1667 | 1679 | 1683 | rBV6 | 70713692 | 285197877 | 100.00% | 12.624% |
| 24 | 13.337 | 1939 | 1941 | 1945 | rVB3 | 64773576 | 67144554 | 23.54% | 2.972% |
| 25 | 13.625 | 1985 | 1990 | 1997 | rVB4 | 105801952 | 250847126 | 87.96% | 11.104% |
| 26 | 13.684 | 1997 | 2000 | 2004 | rVB2 | 21044948 | 28001629 | 9.82% | 1.239% |
| 27 | 13.749 | 2004 | 2011 | 2014 | rBV4 | 70865180 | 141201102 | 49.51% | 6.250% |
| 28 | 13.784 | 2014 | 2017 | 2021 | rVV3 | 52020137 | 73700880 | 25.84% | 3.262% |
| 29 | 13.920 | 2034 | 2040 | 2050 | rVB4 | 114100694 | 243578143 | 85.41% | 10.782% |
| 30 | 14.043 | 2051 | 2061 | 2063 | rBV4 | 36325858 | 78587574 | 27.56% | 3.479% |
| 31 | 14.125 | 2071 | 2075 | 2082 | rVB | 39733759 | 66748067 | 23.40% | 2.955% |
| 32 | 14.190 | 2082 | 2086 | 2089 | rVV | 11786548 | 19331175 | 6.78% | 0.856% |
| 33 | 14.231 | 2089 | 2093 | 2099 | rVB2 | 40280096 | 69157005 | 24.25% | 3.061% |
| 34 | 14.296 | 2099 | 2104 | 2111 | rVB7 | 11971940 | 24808751 | 8.70% | 1.098% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.367 | 2111 | 2116 | 2120 | rBV2 | 11539704 | 18752824 | 6.58% | 0.830% |
| 36 | 14.414 | 2120 | 2124 | 2127 | rVV2 | 10862856 | 16509964 | 5.79% | 0.731% |
| 37 | 14.449 | 2127 | 2130 | 2133 | rVV | 10038943 | 14236421 | 4.99% | 0.630% |
| 38 | 14.484 | 2133 | 2136 | 2140 | rVB | 7705601 | 10747467 | 3.77% | 0.476% |
| 39 | 14.578 | 2147 | 2152 | 2158 | rVB4 | 5178329 | 9744683 | 3.42% | 0.431% |
| 40 | 14.667 | 2164 | 2167 | 2172 | rVB | 2279226 | 3535312 | 1.24% | 0.156% |
| 41 | 14.825 | 2188 | 2194 | 2201 | rBV2 | 4203797 | 9104079 | 3.19% | 0.403% |
| 42 | 15.408 | 2286 | 2293 | 2306 | rVB | 2191808 | 4105551 | 1.44% | 0.182% |

Sum of corrected areas: 2259165910

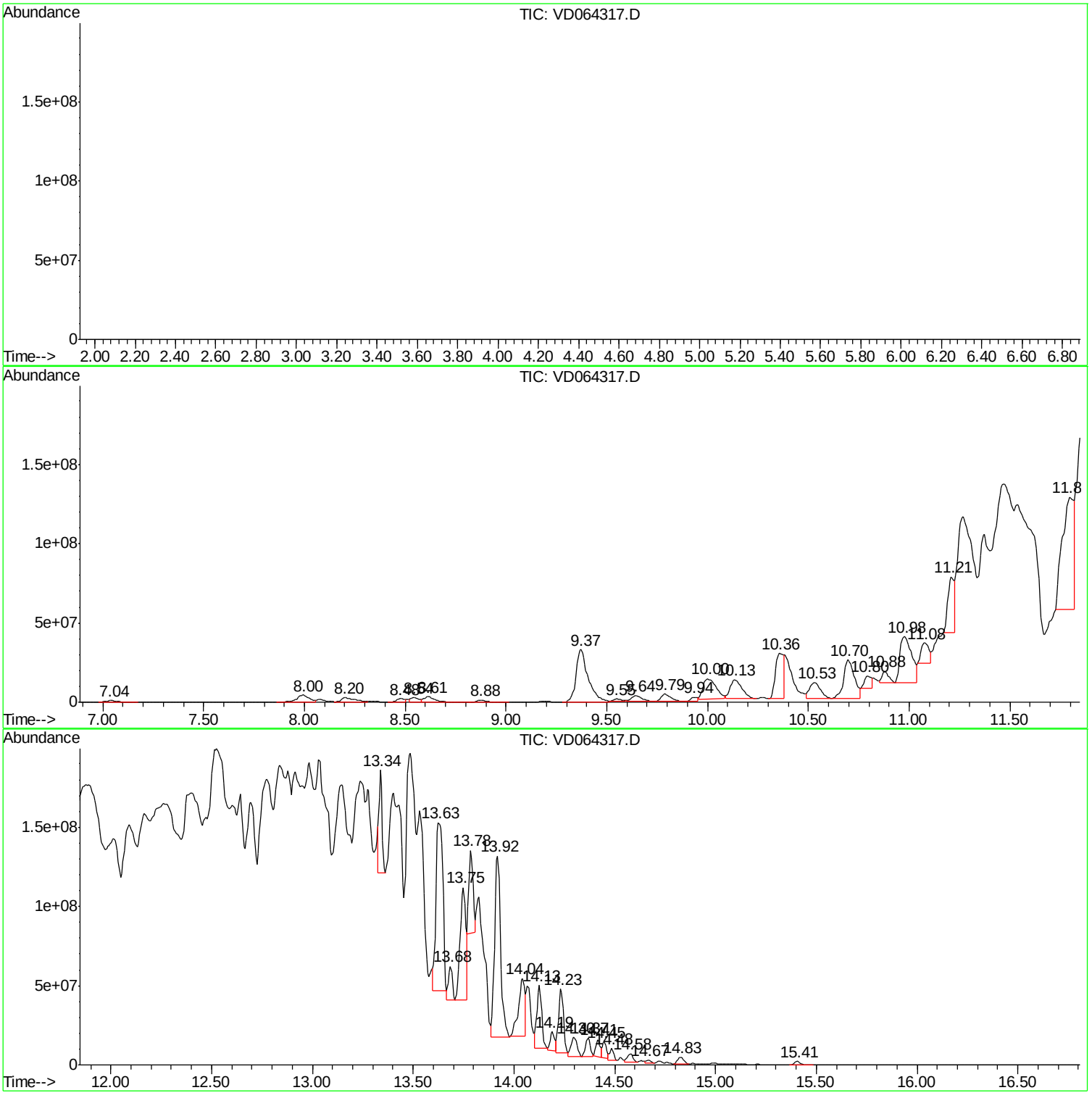
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

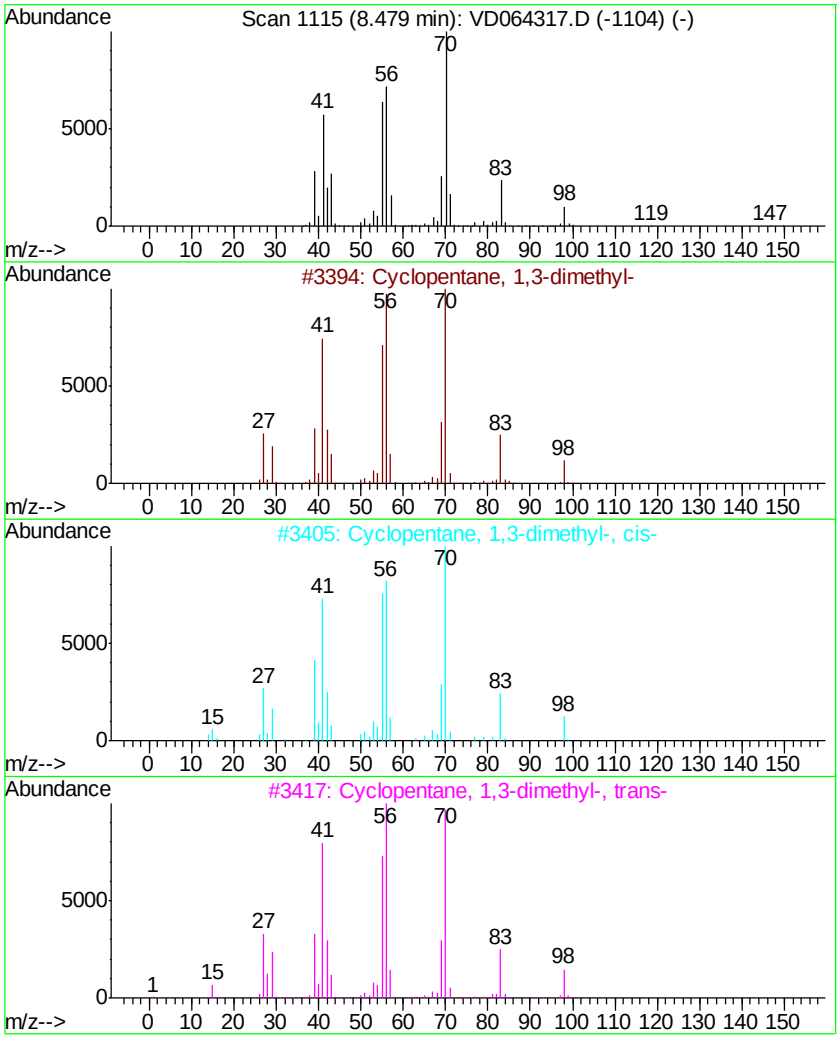
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

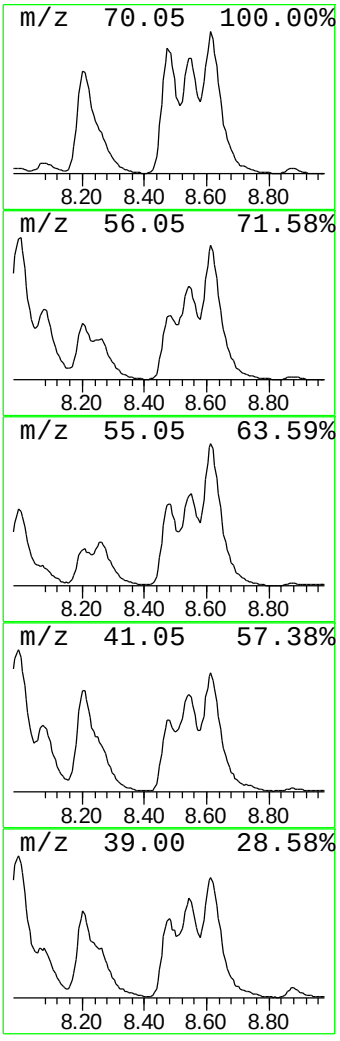
**********

Peak Number 1 Cyclopentane, 1,3-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.48 | 82.95 ug/l | 6381700 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 95 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 95 |
| 3 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 76 |
| 4 | Cyclobutanone, 2,2-dimethyl- | 98 | C6H10O | 001192-14-9 | 72 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

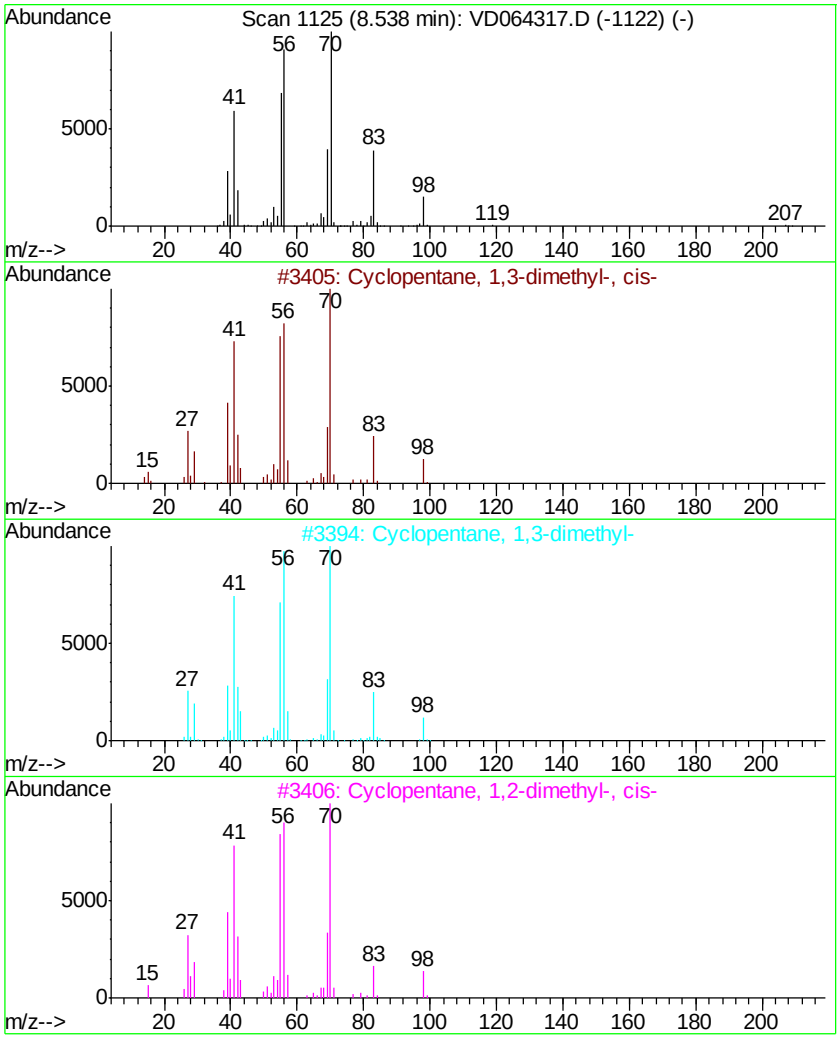
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

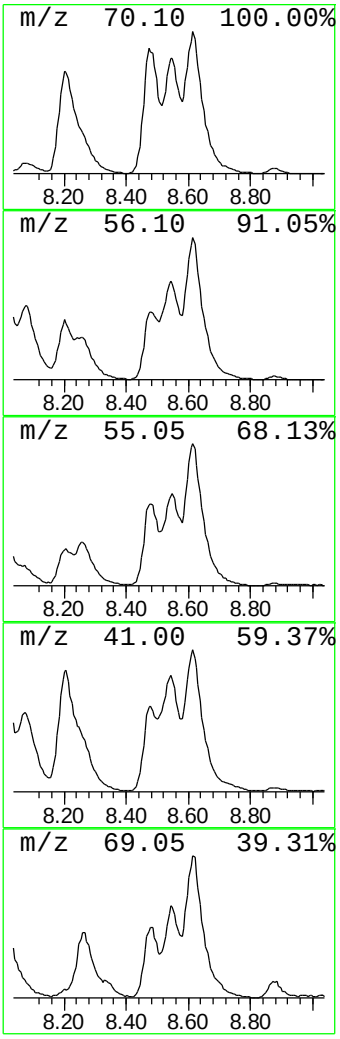
**********

Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.54 | 102.99 ug/l | 7924190 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 87 |
| 2 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 86 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 80 |
| 4 | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3 | 004160-82-1 | 59 |
| 5 | 1-Hexene, 5-methyl- | 98 | C7H14 | 003524-73-0 | 58 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

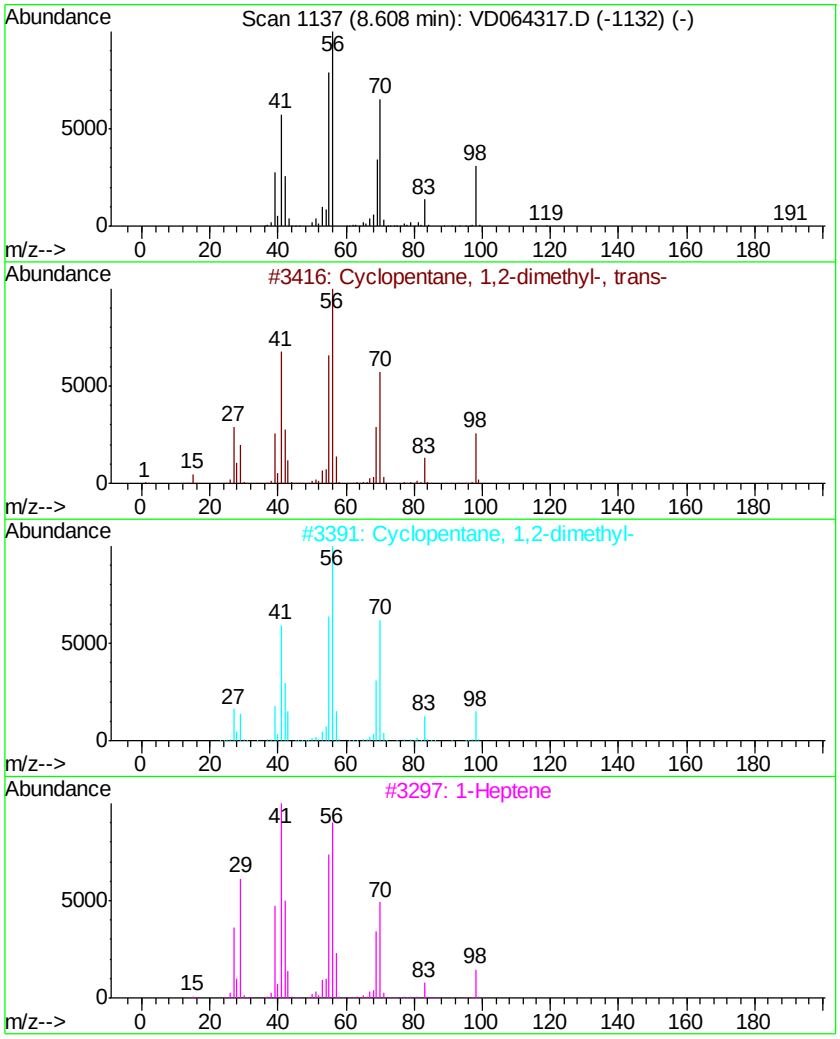
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

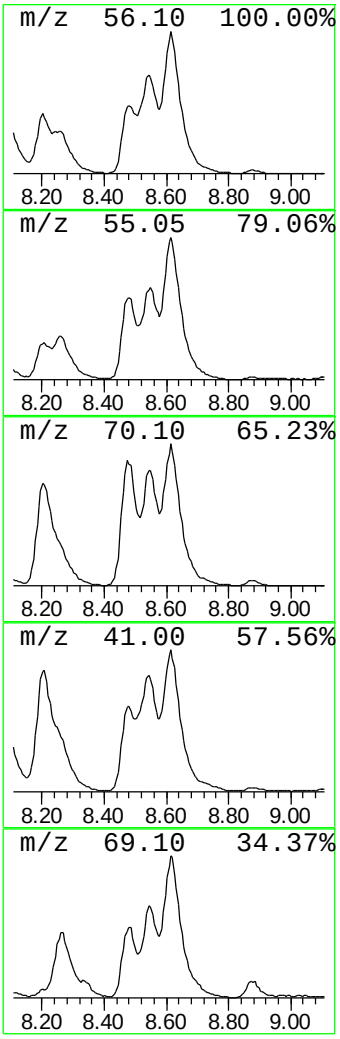
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane, 1,2-dimethyl-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.61 | 172.66 ug/l | 13284300 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 91 |
| 2 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 91 |
| 3 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 91 |
| 4 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 90 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 83 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

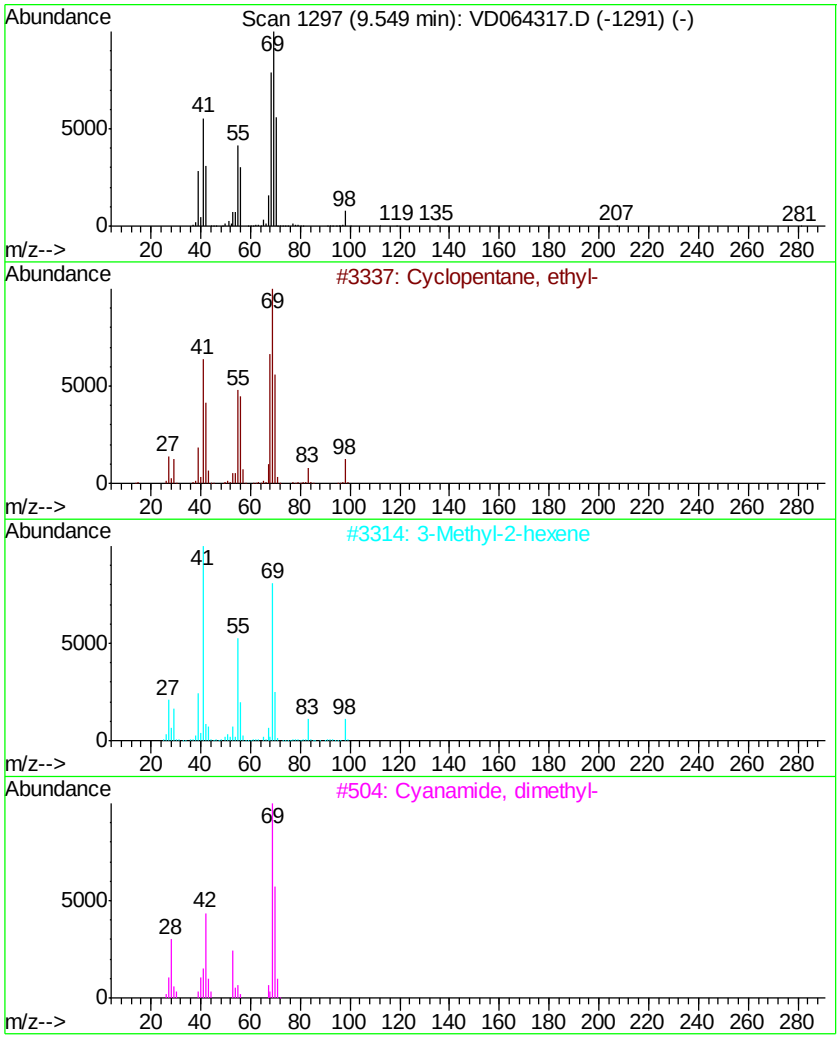
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

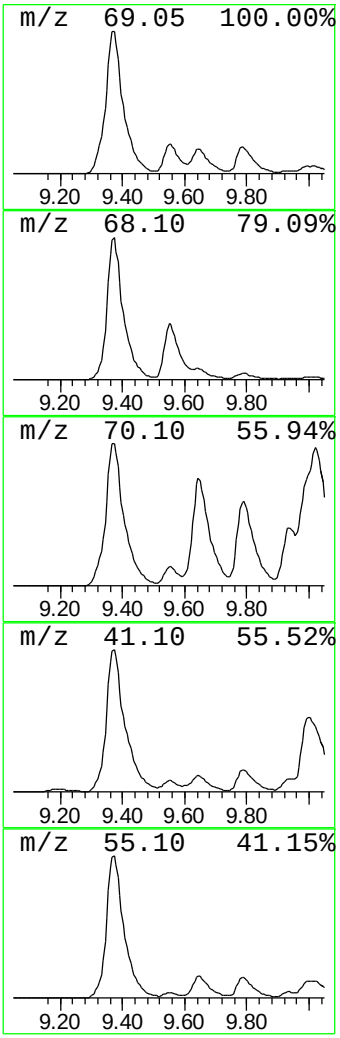
**********

Peak Number 4 Cyclopentane, ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.55 | 43.73 ug/l | 3364840 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 72 |
| 2 | 3-Methyl-2-hexene | 98 | C7H14 | 017618-77-8 | 43 |
| 3 | Cyanamide, dimethyl- | 70 | C3H6N2 | 001467-79-4 | 43 |
| 4 | Cyclopentane, butyl- | 126 | C9H18 | 002040-95-1 | 38 |
| 5 | Cyclopentane, (1-methylethyl)- | 112 | C8H16 | 003875-51-2 | 37 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

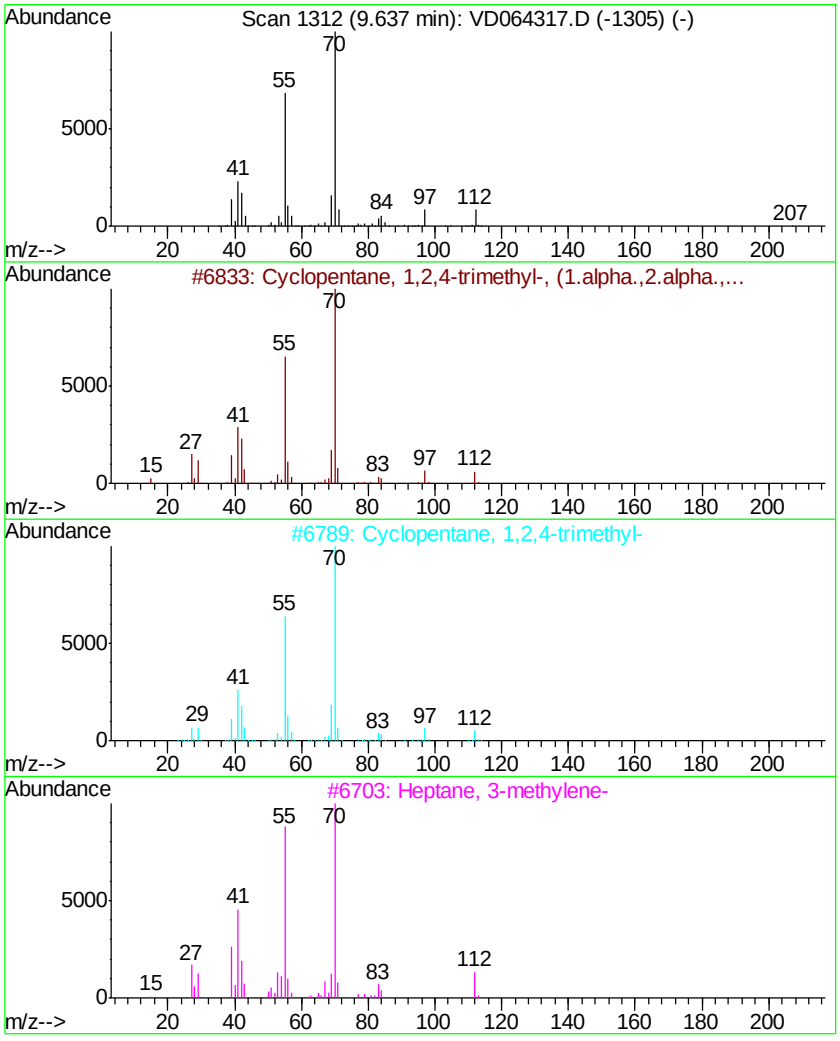
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

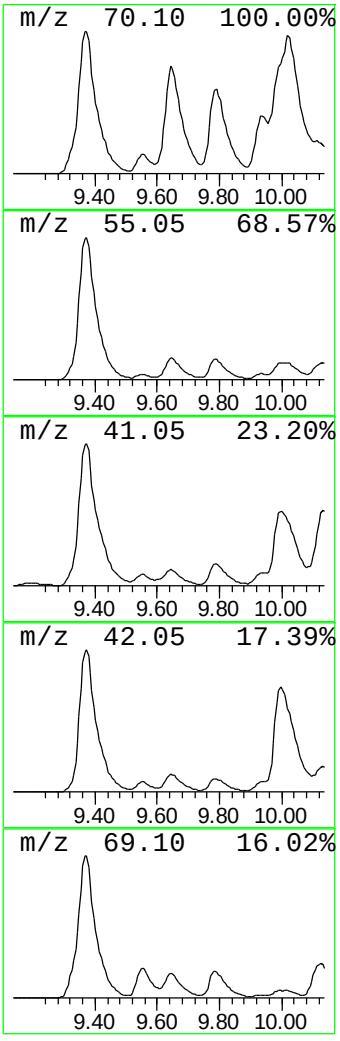
**********

Peak Number 5 Cyclopentane, 1,2,4-trimeth... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.64 | 179.90 ug/l | 13841300 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 91 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 91 |
| 3 | Heptane, 3-methylene- | 112 | C8H16 | 001632-16-2 | 78 |
| 4 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 72 |
| 5 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 70 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

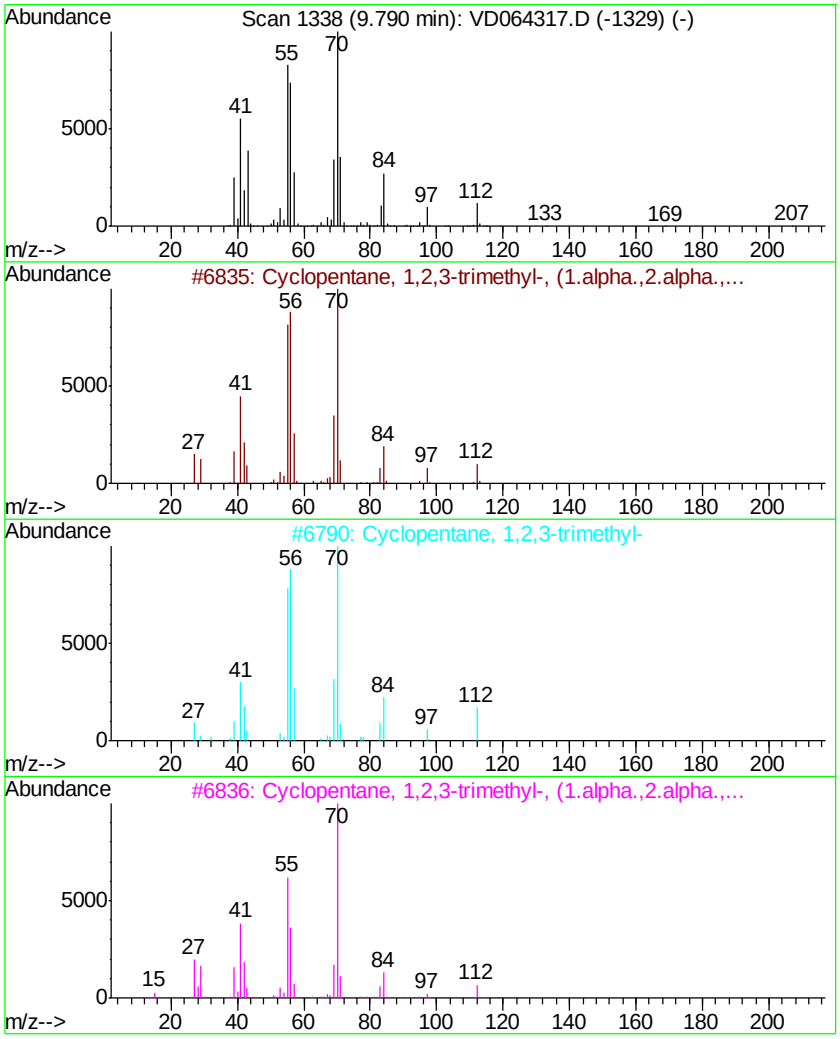
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

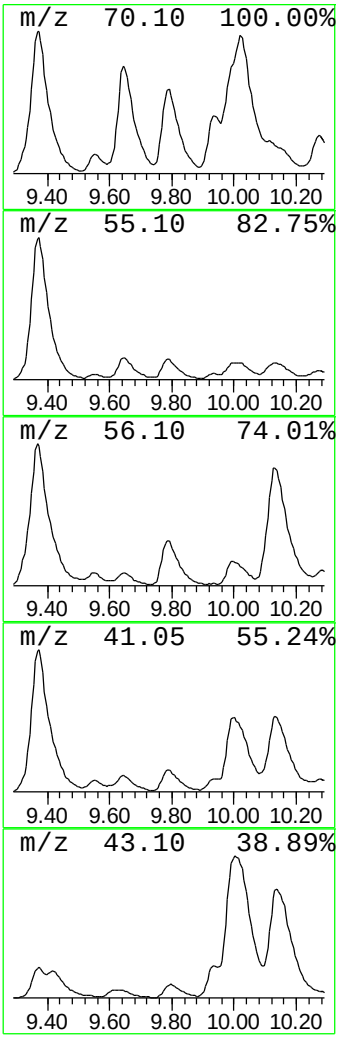
**********

Peak Number 6 Cyclopentane, 1,2,3-trimeth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.79 | 212.68 ug/l | 16362900 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 93 |
| 2 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 90 |
| 3 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 52 |
| 4 | 1-Heptene, 6-methyl- | 112 | C8H16 | 005026-76-6 | 49 |
| 5 | Cyclopentane, 1-ethyl-2-methyl-,... | 112 | C8H16 | 000930-89-2 | 49 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

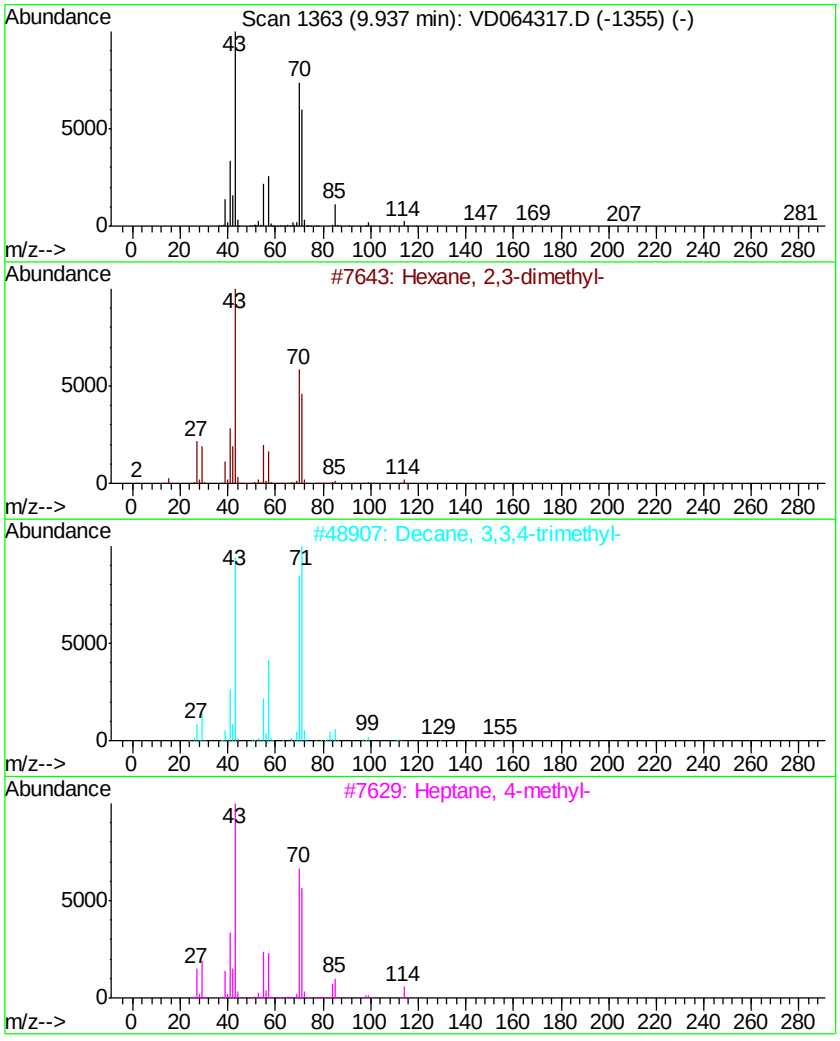
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

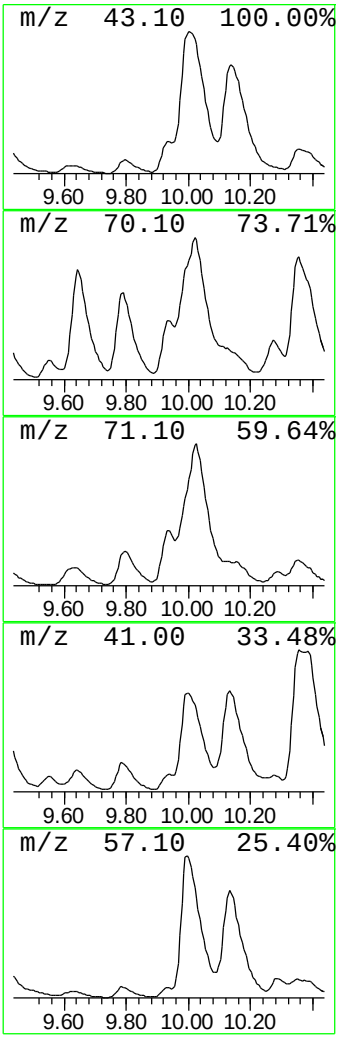
**********

Peak Number 7 Hexane, 2,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.94 | 76.80 ug/l | 5909240 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 86 |
| 2 | Decane, 3,3,4-trimethyl- | 184 | C13H28 | 049622-18-6 | 78 |
| 3 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 74 |
| 4 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 72 |
| 5 | Pentane, 3-ethyl-2-methyl- | 114 | C8H18 | 000609-26-7 | 59 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

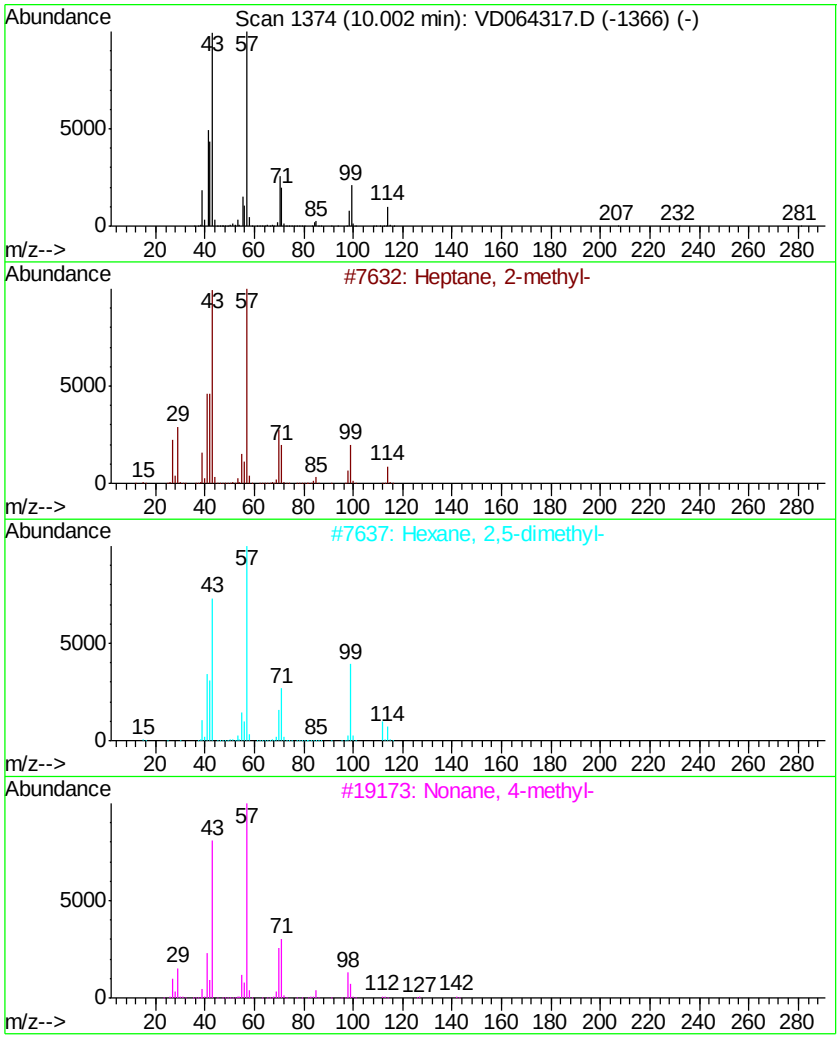
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

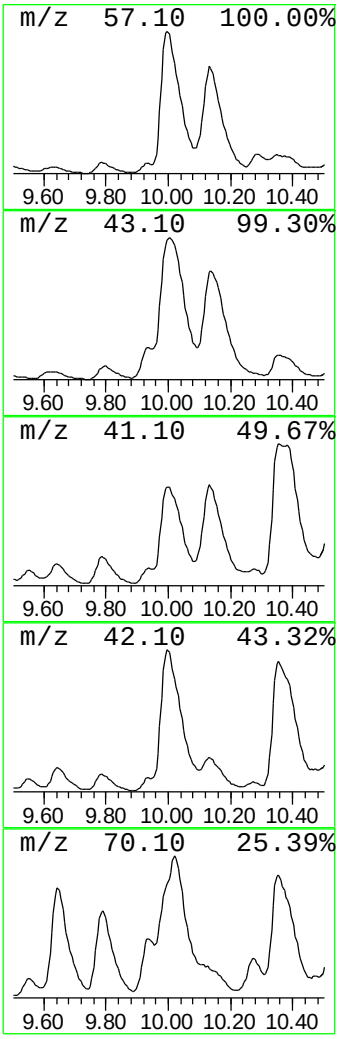
**********

Peak Number 8 Heptane, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.00 | 759.21 ug/l | 58412600 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2-methyl- | 114 | C8H18 | 000592-27-8 | 97 |
| 2 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 78 |
| 3 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 43 |
| 4 | Butane, 1-(ethenyloxy)-3-methyl- | 114 | C7H14O | 039782-38-2 | 38 |
| 5 | 1-Pyrrolidinecarboxaldehyde | 99 | C5H9NO | 003760-54-1 | 38 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

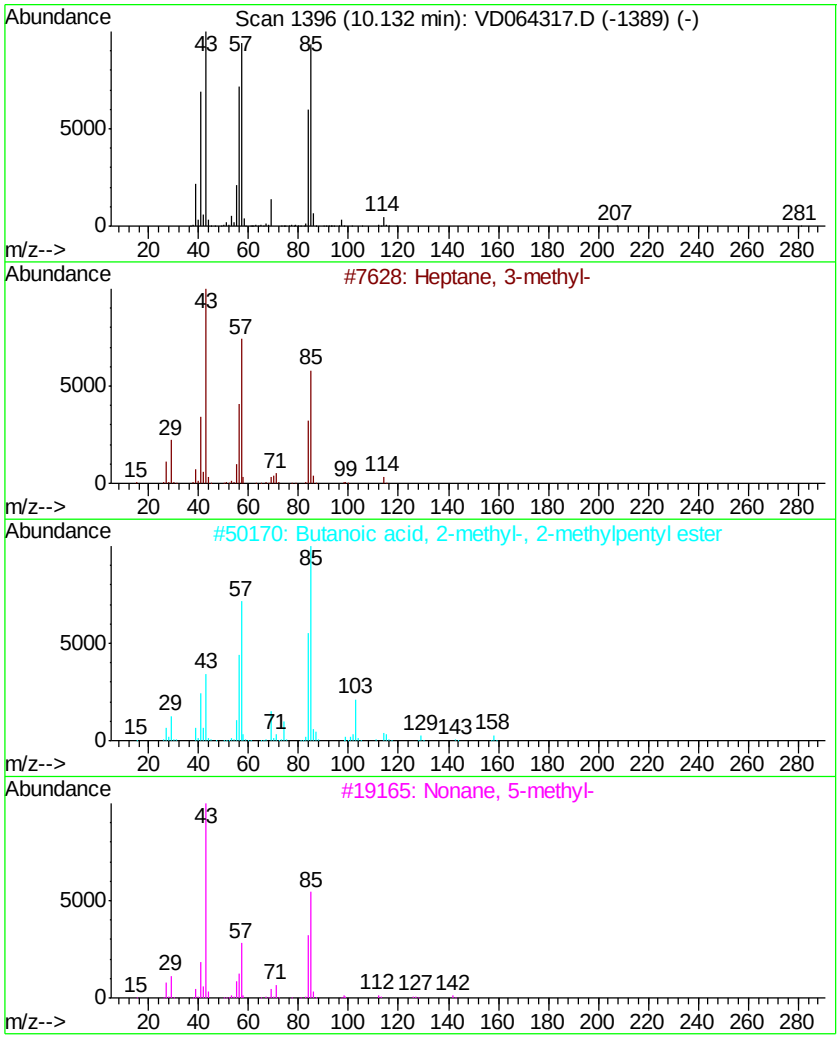
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

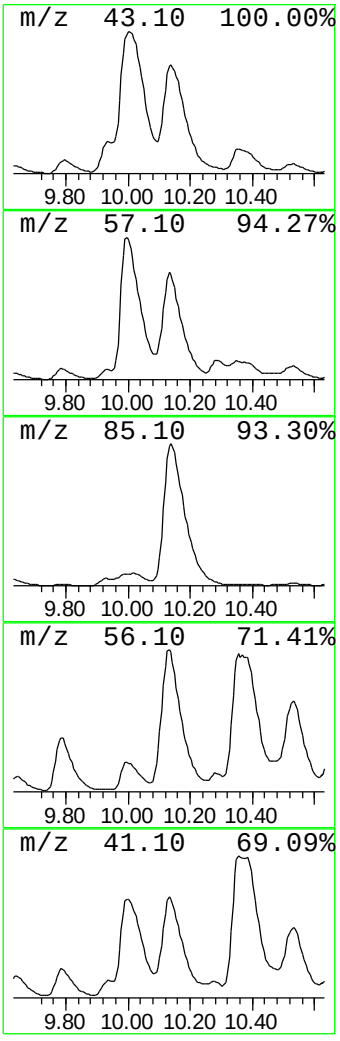
**********

Peak Number 9 Heptane, 3-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.13 | 618.29 ug/l | 47570100 | 1,4-Difluorobenzene | 8.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3-methyl- | 114 | C8H18 | 000589-81-1 | 90 |
| 2 | Butanoic acid, 2-methyl-, 2-meth... | 186 | C11H22O2 | 083783-88-4 | 72 |
| 3 | Nonane, 5-methyl- | 142 | C10H22 | 015869-85-9 | 72 |
| 4 | Heptane, 3,4,5-trimethyl- | 142 | C10H22 | 020278-89-1 | 64 |
| 5 | Hexyl n-valerate | 186 | C11H22O2 | 001117-59-5 | 64 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

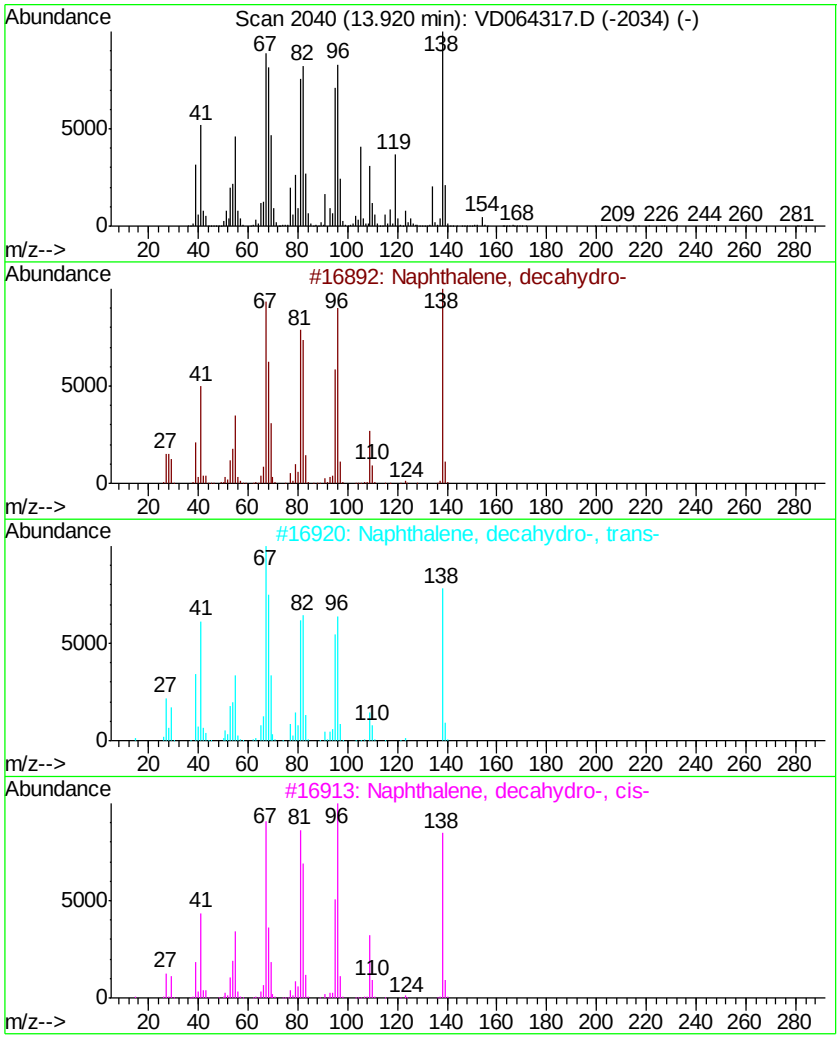
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

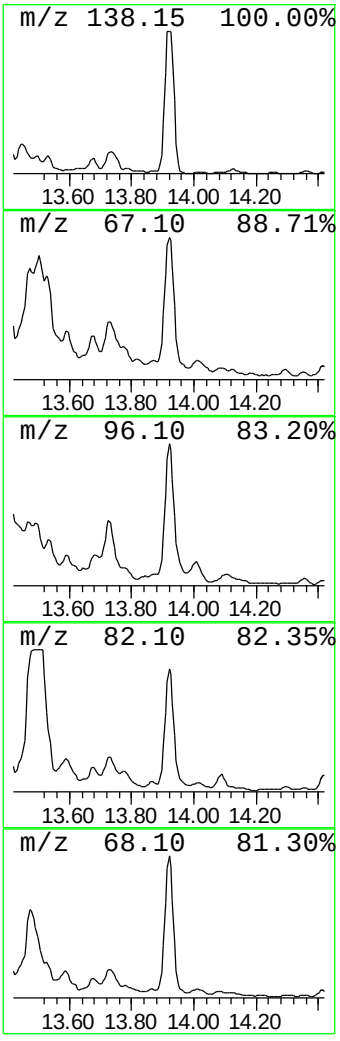
**********

Peak Number 10 Naphthalene, decahydro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.92 | 48.55 ug/l | 243578000 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 96 |
| 2 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 94 |
| 3 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 93 |
| 4 | Spiro[4.5]decane | 138 | C10H18 | 000176-63-6 | 81 |
| 5 | 1,1'-Bicyclopentyl | 138 | C10H18 | 001636-39-1 | 60 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
Data File : VD064317.D
Acq On : 20 Nov 2019 17:13
Operator : VA/SY
Sample : K5957-04
Misc : 5.20G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MW-2-(20-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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 |
| Cyclopentane, 1,3... | 8.48 | 83.0 | ug/l | 6381700 | 2 | 8.88 | 3846930 | 50.0 |
| Cyclopentane, 1,3... | 8.54 | 103.0 | ug/l | 7924190 | 2 | 8.88 | 3846930 | 50.0 |
| Cyclopentane, 1,2... | 8.61 | 172.7 | ug/l | 13284300 | 2 | 8.88 | 3846930 | 50.0 |
| Cyclopentane, ethyl- | 9.55 | 43.7 | ug/l | 3364840 | 2 | 8.88 | 3846930 | 50.0 |
| Cyclopentane, 1,2... | 9.64 | 179.9 | ug/l | 13841300 | 2 | 8.88 | 3846930 | 50.0 |
| Cyclopentane, 1,2... | 9.79 | 212.7 | ug/l | 16362900 | 2 | 8.88 | 3846930 | 50.0 |
| Hexane, 2,3-dimet... | 9.94 | 76.8 | ug/l | 5909240 | 2 | 8.88 | 3846930 | 50.0 |
| Heptane, 2-methyl- | 10.00 | 759.2 | ug/l | 58412600 | 2 | 8.88 | 3846930 | 50.0 |
| Heptane, 3-methyl- | 10.13 | 618.3 | ug/l | 47570100 | 2 | 8.88 | 3846930 | 50.0 |
| Naphthalene, deca... | 13.92 | 48.5 | ug/l | 243578000 | 4 | 13.58 | 250847000 | 50.0 |