LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

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\82D031122S.M
Title : SW846 8260

Signal : TIC: VD072221.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.962 | 502 | 517 | 527 | rBV6 | 49597 | 181401 | 5.87% | 0.702% |
| 2 | 5.997 | 683 | 693 | 702 | rBV4 | 20300 | 65140 | 2.11% | 0.252% |
| 3 | 6.920 | 840 | 850 | 860 | rVB4 | 27315 | 79830 | 2.58% | 0.309% |
| 4 | 7.732 | 976 | 988 | 994 | rBV7 | 14949 | 44737 | 1.45% | 0.173% |
| 5 | 7.909 | 1008 | 1018 | 1023 | rBV | 361049 | 836372 | 27.04% | 3.238% |
| 6 | 7.973 | 1023 | 1029 | 1038 | rVV | 728357 | 1656539 | 53.56% | 6.414% |
| 7 | 8.061 | 1038 | 1044 | 1056 | rVB2 | 114561 | 285807 | 9.24% | 1.107% |
| 8 | 8.244 | 1068 | 1075 | 1080 | rBV5 | 15137 | 31999 | 1.03% | 0.124% |
| 9 | 8.326 | 1080 | 1089 | 1099 | rVB | 303894 | 678214 | 21.93% | 2.626% |
| 10 | 8.450 | 1101 | 1110 | 1118 | rBV3 | 32574 | 82558 | 2.67% | 0.320% |
| 11 | 8.861 | 1169 | 1180 | 1192 | rBV | 1006580 | 2091627 | 67.63% | 8.099% |
| 12 | 9.320 | 1248 | 1258 | 1268 | rBV5 | 165866 | 528476 | 17.09% | 2.046% |
| 13 | 9.403 | 1268 | 1272 | 1279 | rVB | 77251 | 147492 | 4.77% | 0.571% |
| 14 | 9.626 | 1297 | 1310 | 1317 | rBV | 214043 | 493591 | 15.96% | 1.911% |
| 15 | 9.773 | 1324 | 1335 | 1345 | rBV4 | 63612 | 134021 | 4.33% | 0.519% |
| 16 | 9.908 | 1351 | 1358 | 1362 | rBV3 | 43814 | 88481 | 2.86% | 0.343% |
| 17 | 9.955 | 1362 | 1366 | 1373 | rVB5 | 39250 | 76050 | 2.46% | 0.294% |
| 18 | 10.091 | 1382 | 1389 | 1394 | rBV2 | 99158 | 199148 | 6.44% | 0.771% |
| 19 | 10.144 | 1394 | 1398 | 1406 | rVB3 | 24982 | 47004 | 1.52% | 0.182% |
| 20 | 10.232 | 1406 | 1413 | 1414 | rBV3 | 44766 | 80270 | 2.60% | 0.311% |
| 21 | 10.332 | 1423 | 1430 | 1446 | rBV | 1686283 | 3092662 | 100.00% | 11.975% |
| 22 | 10.503 | 1452 | 1459 | 1469 | rVB3 | 94044 | 262067 | 8.47% | 1.015% |
| 23 | 10.632 | 1469 | 1481 | 1484 | rBV3 | 114635 | 251927 | 8.15% | 0.975% |
| 24 | 10.673 | 1484 | 1488 | 1495 | rVV | 227010 | 407923 | 13.19% | 1.579% |
| 25 | 10.767 | 1498 | 1504 | 1509 | rVV6 | 62918 | 147759 | 4.78% | 0.572% |
| 26 | 10.814 | 1509 | 1512 | 1516 | rVV2 | 46144 | 80946 | 2.62% | 0.313% |
| 27 | 10.855 | 1516 | 1519 | 1524 | rVB3 | 75051 | 112361 | 3.63% | 0.435% |
| 28 | 10.908 | 1524 | 1528 | 1532 | rBV4 | 23177 | 42996 | 1.39% | 0.166% |
| 29 | 10.944 | 1532 | 1534 | 1541 | rVB3 | 25959 | 47984 | 1.55% | 0.186% |
| 30 | 11.044 | 1541 | 1551 | 1560 | rBV | 148377 | 382300 | 12.36% | 1.480% |
| 31 | 11.120 | 1560 | 1564 | 1567 | rBV4 | 48765 | 91145 | 2.95% | 0.353% |
| 32 | 11.155 | 1567 | 1570 | 1576 | rVB2 | 77172 | 119084 | 3.85% | 0.461% |
| 33 | 11.238 | 1576 | 1584 | 1589 | rBV3 | 200317 | 425929 | 13.77% | 1.649% |
| 34 | 11.291 | 1589 | 1593 | 1597 | rVV3 | 87397 | 155959 | 5.04% | 0.604% |
| 35 | 11.338 | 1597 | 1601 | 1606 | rVV3 | 124599 | 225562 | 7.29% | 0.873% |
| 36 | 11.391 | 1606 | 1610 | 1614 | rVB2 | 45745 | 70616 | 2.28% | 0.273% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

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\82D031122S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.444 | 1614 | 1619 | 1627 | rVB | 169915 | 304975 | 9.86% | 1.181% |
| 38 | 11.638 | 1645 | 1652 | 1663 | rBV | 1663000 | 2884285 | 93.26% | 11.168% |
| 39 | 11.773 | 1670 | 1675 | 1679 | rBV2 | 74809 | 97418 | 3.15% | 0.377% |
| 40 | 11.826 | 1679 | 1684 | 1688 | rBV3 | 71334 | 119730 | 3.87% | 0.464% |
| 41 | 11.885 | 1689 | 1694 | 1695 | rBV3 | 63075 | 94212 | 3.05% | 0.365% |
| 42 | 11.979 | 1705 | 1710 | 1717 | rBV4 | 56869 | 122798 | 3.97% | 0.475% |
| 43 | 12.044 | 1717 | 1721 | 1722 | rBV3 | 26701 | 32548 | 1.05% | 0.126% |
| 44 | 12.144 | 1730 | 1738 | 1745 | rBV4 | 210415 | 513342 | 16.60% | 1.988% |
| 45 | 12.232 | 1750 | 1753 | 1761 | rVB5 | 75485 | 152830 | 4.94% | 0.592% |
| 46 | 12.308 | 1761 | 1766 | 1768 | rBV3 | 72989 | 122594 | 3.96% | 0.475% |
| 47 | 12.349 | 1768 | 1773 | 1783 | rVB6 | 169947 | 498846 | 16.13% | 1.932% |
| 48 | 12.620 | 1812 | 1819 | 1826 | rVB | 1392972 | 2360708 | 76.33% | 9.141% |
| 49 | 12.702 | 1826 | 1833 | 1838 | rBV7 | 68205 | 160012 | 5.17% | 0.620% |
| 50 | 12.785 | 1842 | 1847 | 1854 | rVB3 | 216328 | 407307 | 13.17% | 1.577% |
| 51 | 12.867 | 1854 | 1861 | 1867 | rBV7 | 68698 | 188490 | 6.09% | 0.730% |
| 52 | 12.949 | 1867 | 1875 | 1889 | rVB7 | 99285 | 399030 | 12.90% | 1.545% |
| 53 | 13.091 | 1894 | 1899 | 1902 | rVB3 | 50692 | 67101 | 2.17% | 0.260% |
| 54 | 13.173 | 1910 | 1913 | 1925 | rVB9 | 57325 | 169421 | 5.48% | 0.656% |
| 55 | 13.561 | 1972 | 1979 | 1990 | rVB | 1826051 | 2971408 | 96.08% | 11.505% |
| 56 | 13.702 | 1999 | 2003 | 2008 | rVB4 | 36471 | 58089 | 1.88% | 0.225% |
| 57 | 13.885 | 2029 | 2034 | 2039 | rBV4 | 55003 | 88750 | 2.87% | 0.344% |
| 58 | 14.085 | 2061 | 2068 | 2081 | rVB9 | 45676 | 148902 | 4.81% | 0.577% |
| 59 | 14.391 | 2116 | 2120 | 2126 | rBV9 | 28966 | 48888 | 1.58% | 0.189% |
| 60 | 14.555 | 2145 | 2148 | 2153 | rVB7 | 24119 | 36209 | 1.17% | 0.140% |
| 61 | 15.349 | 2277 | 2283 | 2291 | rVB10 | 16987 | 32438 | 1.05% | 0.126% |

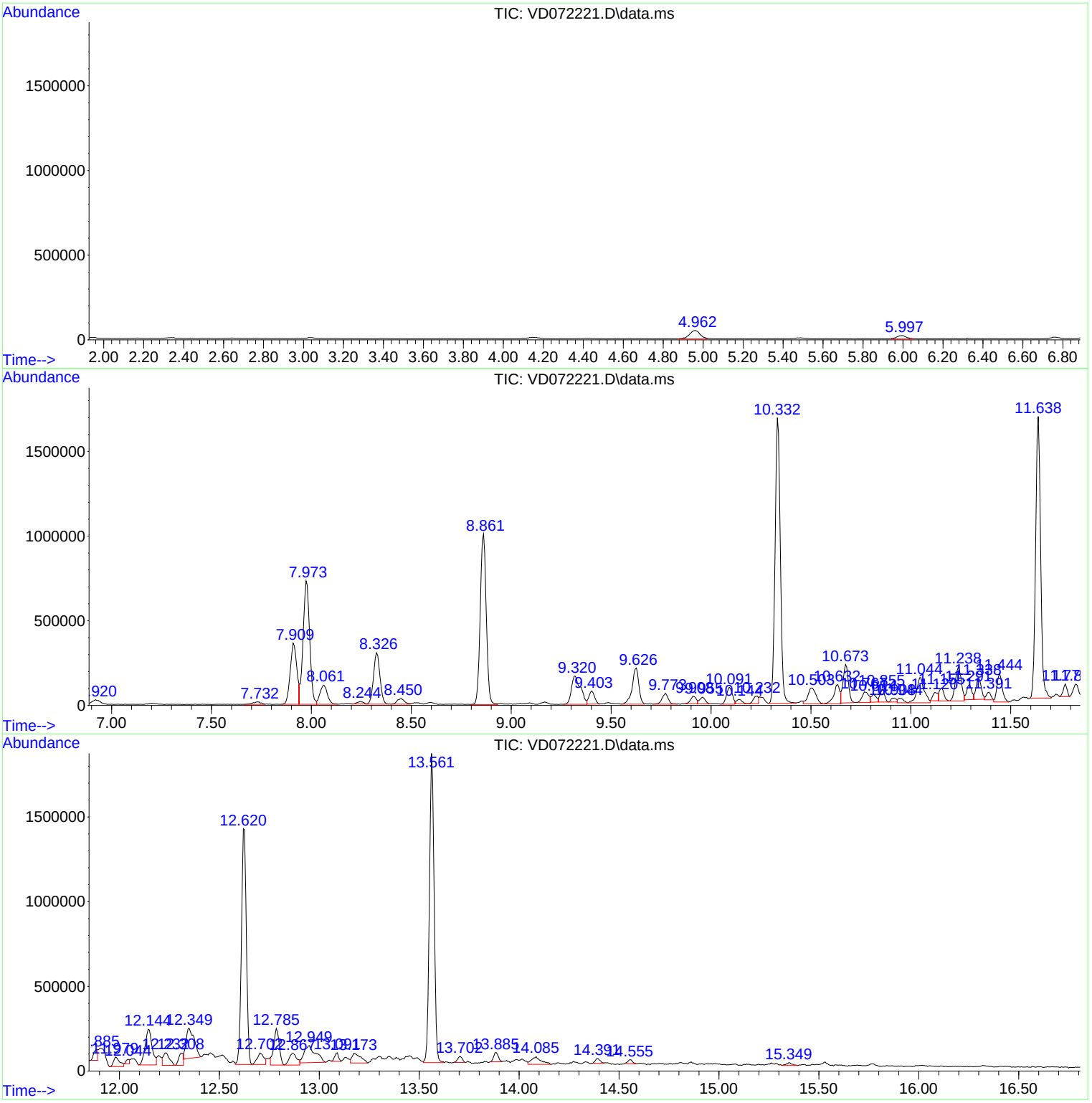
Sum of corrected areas: 25826308

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

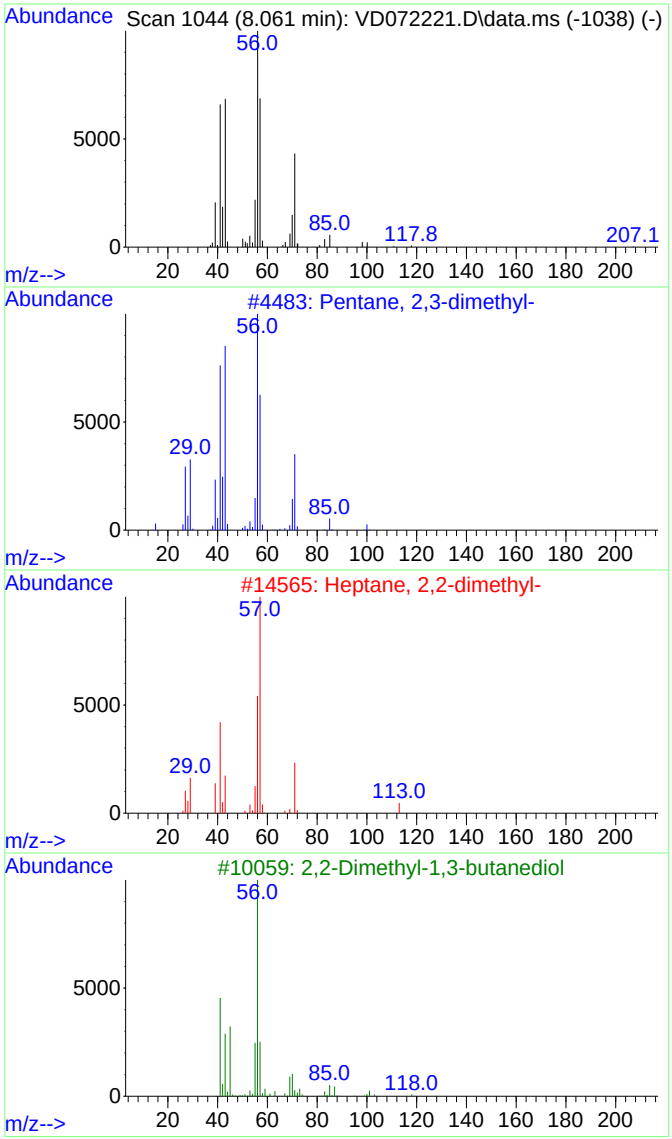
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

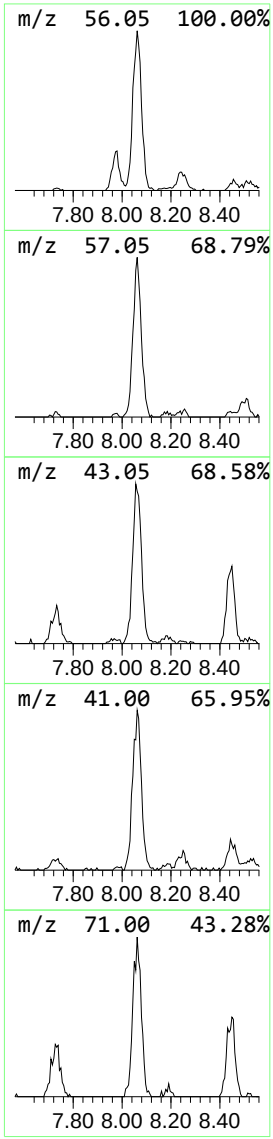
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.061 | 8.63 ug/l | 285807 | Pentafluorobenzene | 7.973 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Heptane, 2,2-dimethyl- | 128 | C9H20 | 001071-26-7 | 59 |
| 3 | 2,2-Dimethyl-1,3-butanediol | 118 | C6H14O2 | 000076-35-7 | 50 |
| 4 | 1-Pentene, 2,4-dimethyl- | 98 | C7H14 | 002213-32-3 | 50 |
| 5 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

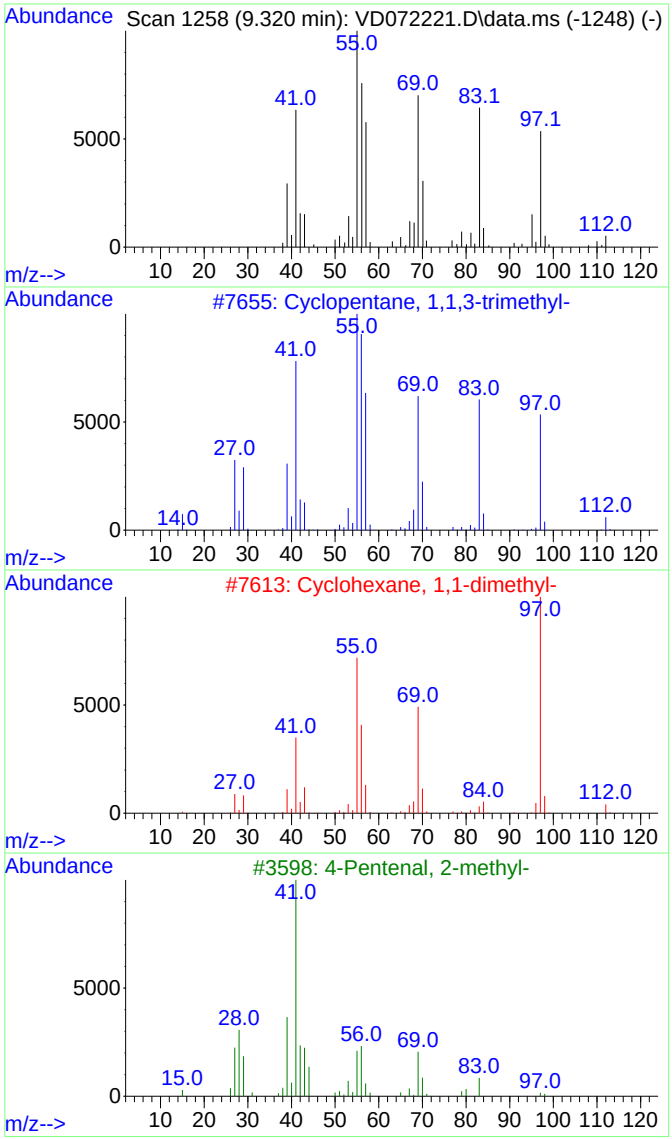
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

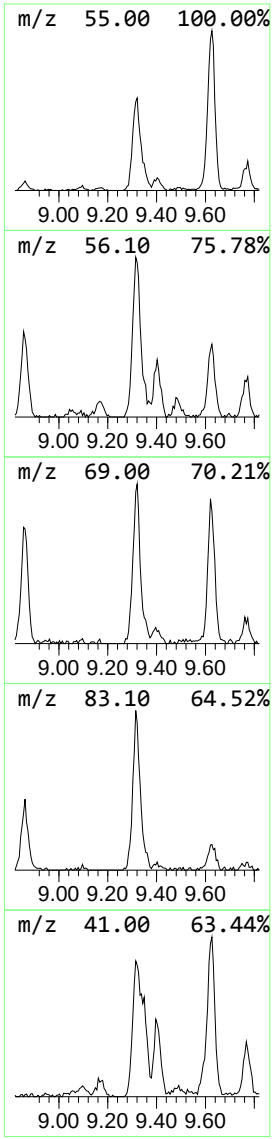
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.320 | 12.63 ug/l | 528476 | 1,4-Difluorobenzene | 8.861 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 95 |
| 2 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 53 |
| 3 | 4-Pentenal, 2-methyl- | 98 | C6H10O | 005187-71-3 | 50 |
| 4 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 49 |
| 5 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

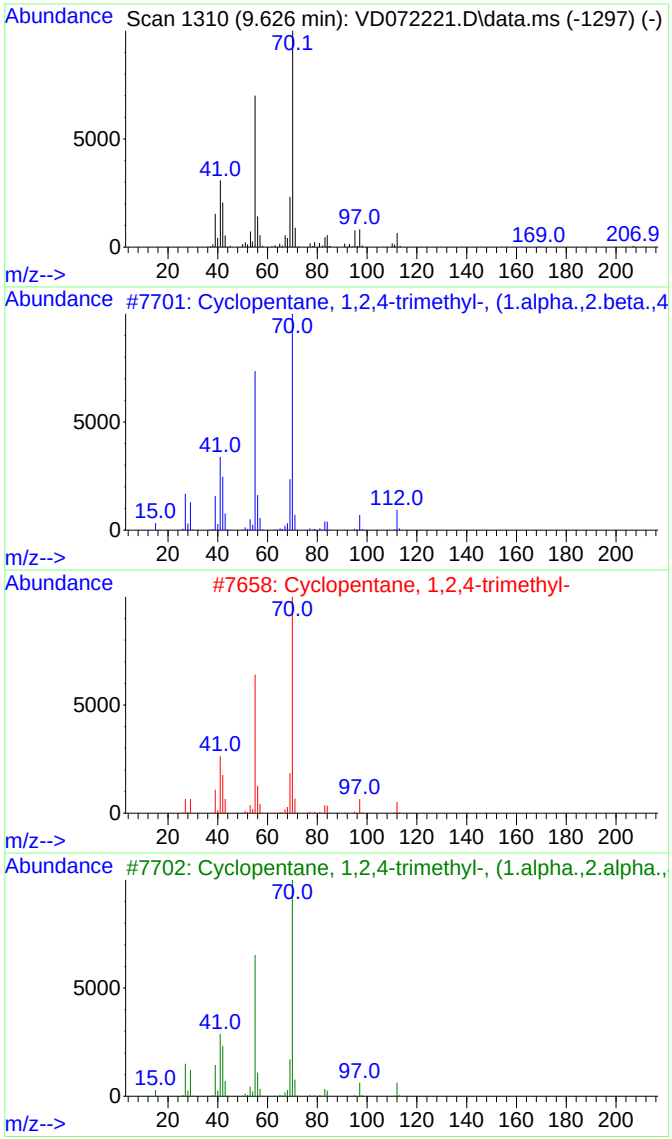
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

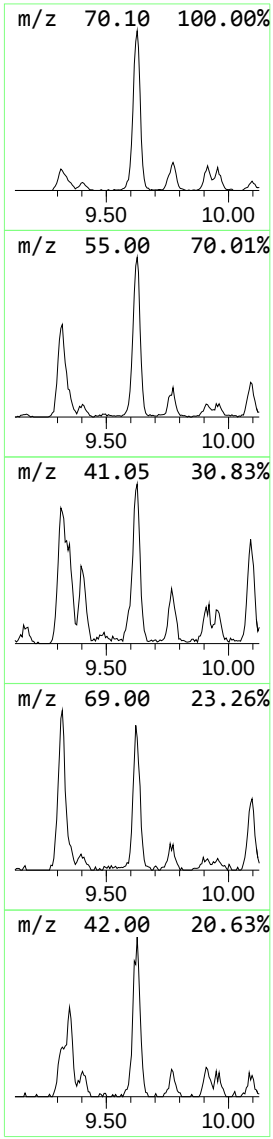
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane, 1,2,4-trimeth... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.626 | 11.80 ug/l | 493591 | 1,4-Difluorobenzene | 8.861 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 93 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 90 |
| 3 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 90 |
| 4 | Heptane, 3-methylene- | 112 | C8H16 | 001632-16-2 | 72 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

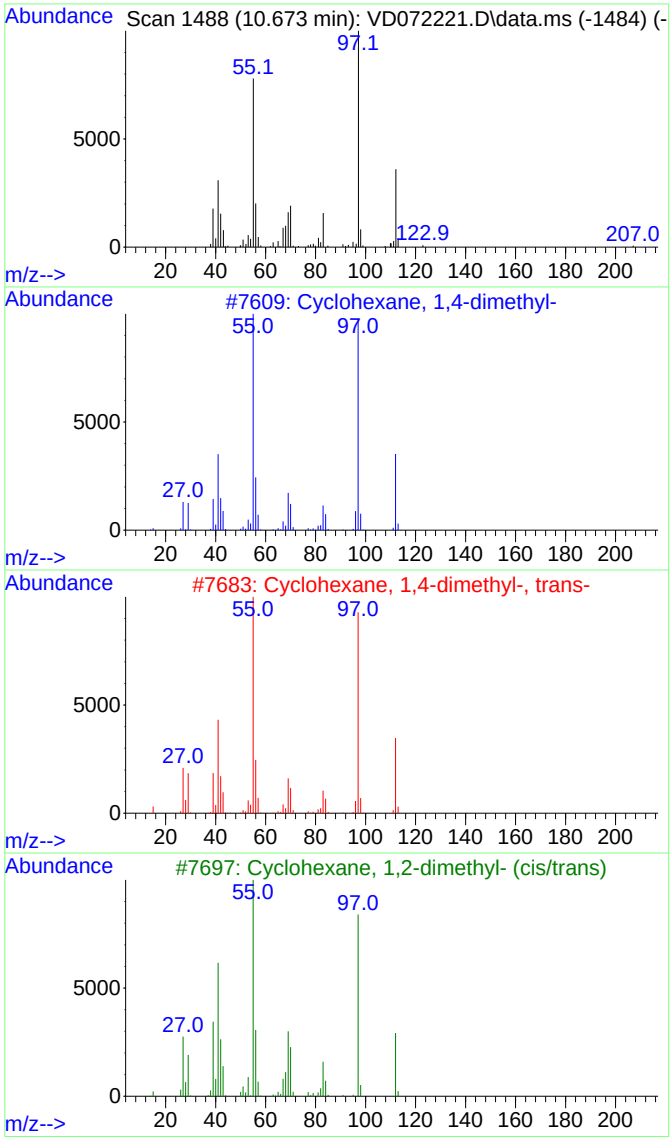
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

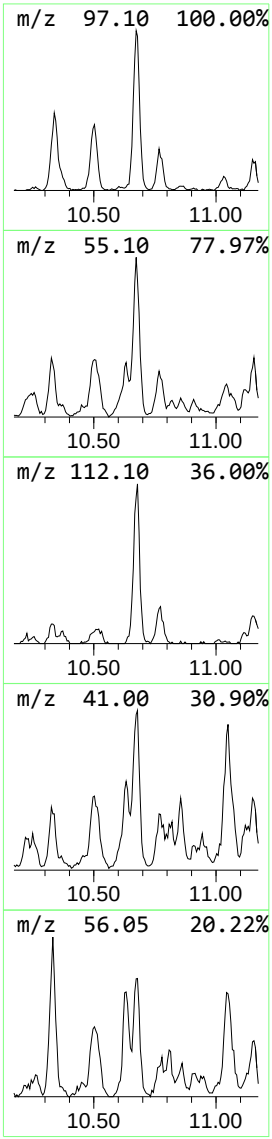
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclohexane, 1,4-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.673 | 7.07 ug/l | 407923 | Chlorobenzene-d5 | 11.638 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 90 |
| 2 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 90 |
| 3 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 90 |
| 4 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 90 |
| 5 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 86 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

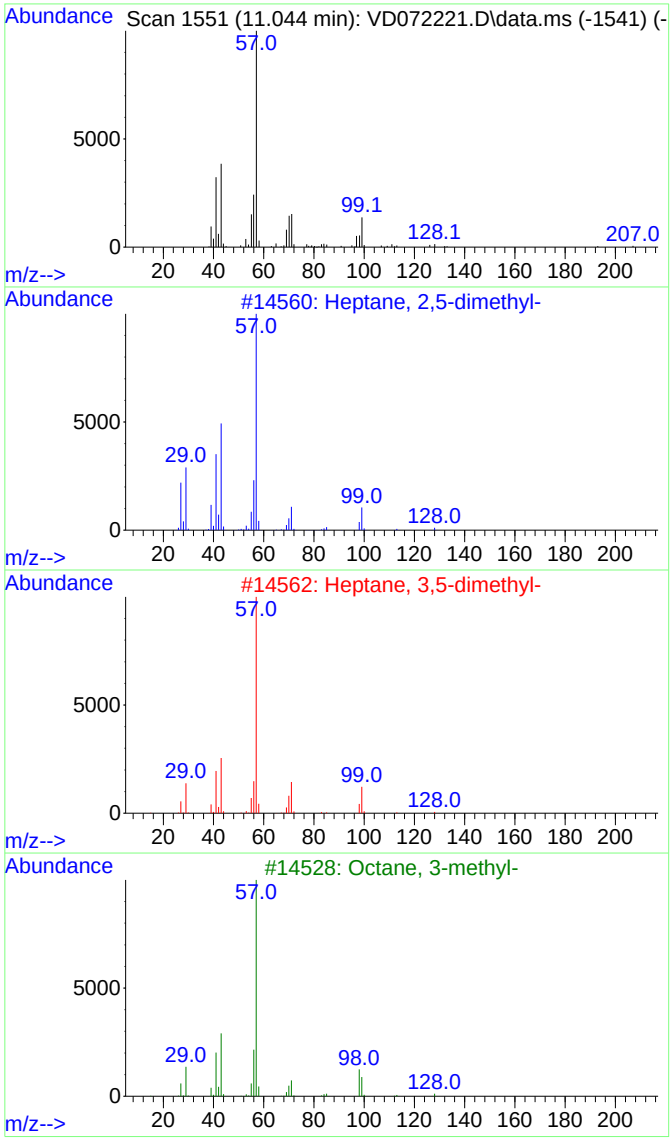
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

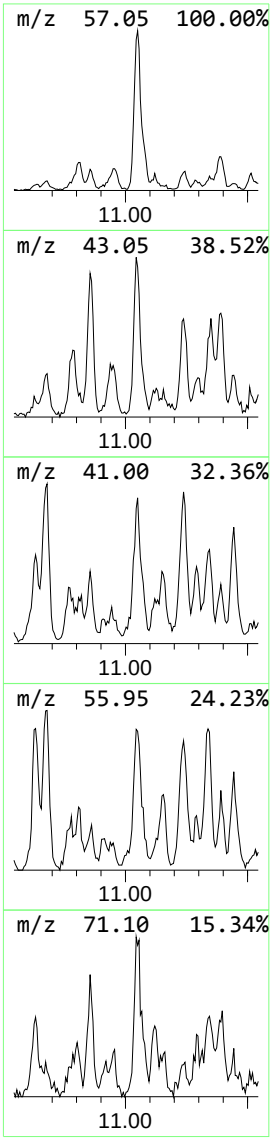
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Heptane, 2,5-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.044 | 6.63 ug/l | 382300 | Chlorobenzene-d5 | 11.638 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,5-dimethyl- | 128 | C9H20 | 002216-30-0 | 74 |
| 2 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 64 |
| 3 | Octane, 3-methyl- | 128 | C9H20 | 002216-33-3 | 64 |
| 4 | Decane, 2,5-dimethyl- | 170 | C12H26 | 017312-50-4 | 50 |
| 5 | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

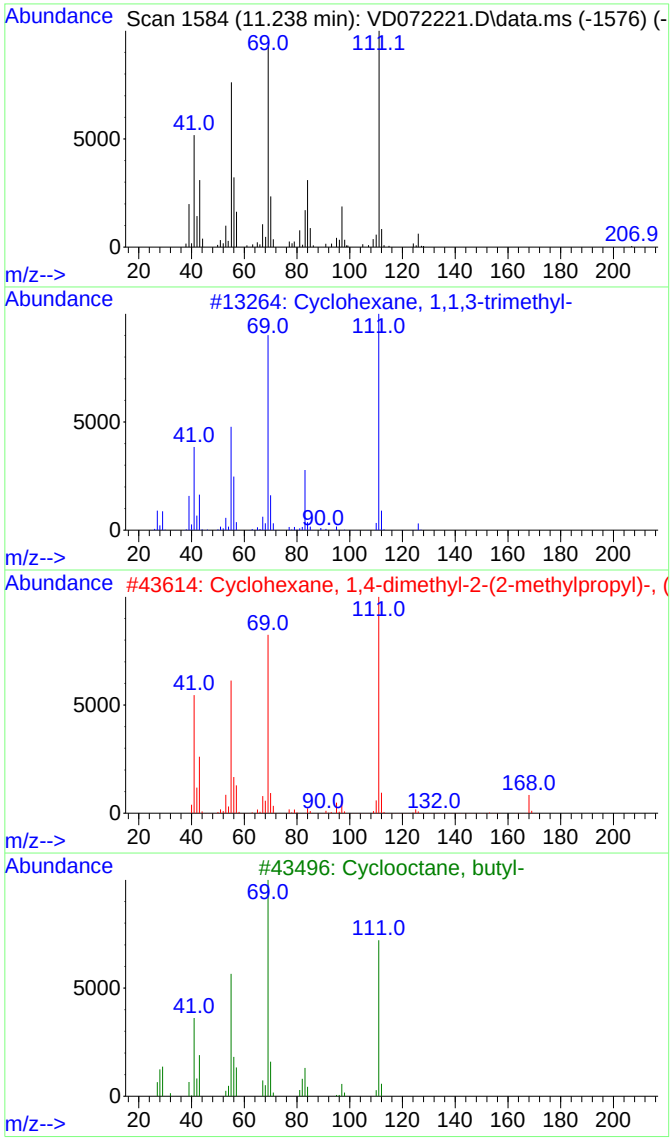
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

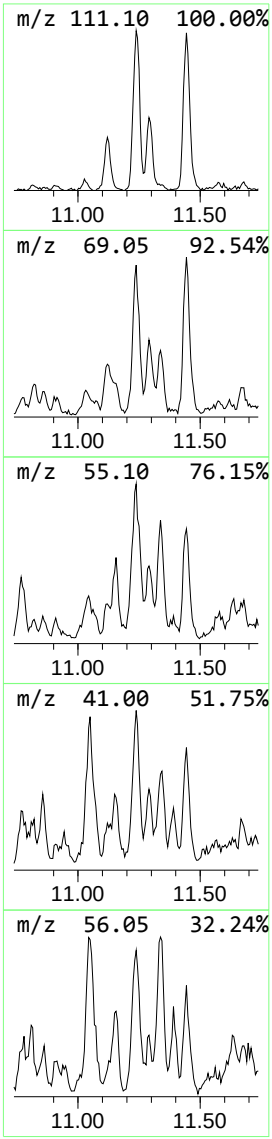
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.238 | 7.38 ug/l | 425929 | Chlorobenzene-d5 | 11.638 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 80 |
| 2 | Cyclohexane, 1,4-dimethyl-2-(2-m... | 168 | C12H24 | 054411-17-5 | 64 |
| 3 | Cyclooctane, butyl- | 168 | C12H24 | 016538-93-5 | 64 |
| 4 | Cyclopropane, 1,1,2-trimethyl- | 84 | C6H12 | 004127-45-1 | 38 |
| 5 | Isocytosine | 111 | C4H5N3O | 000108-53-2 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

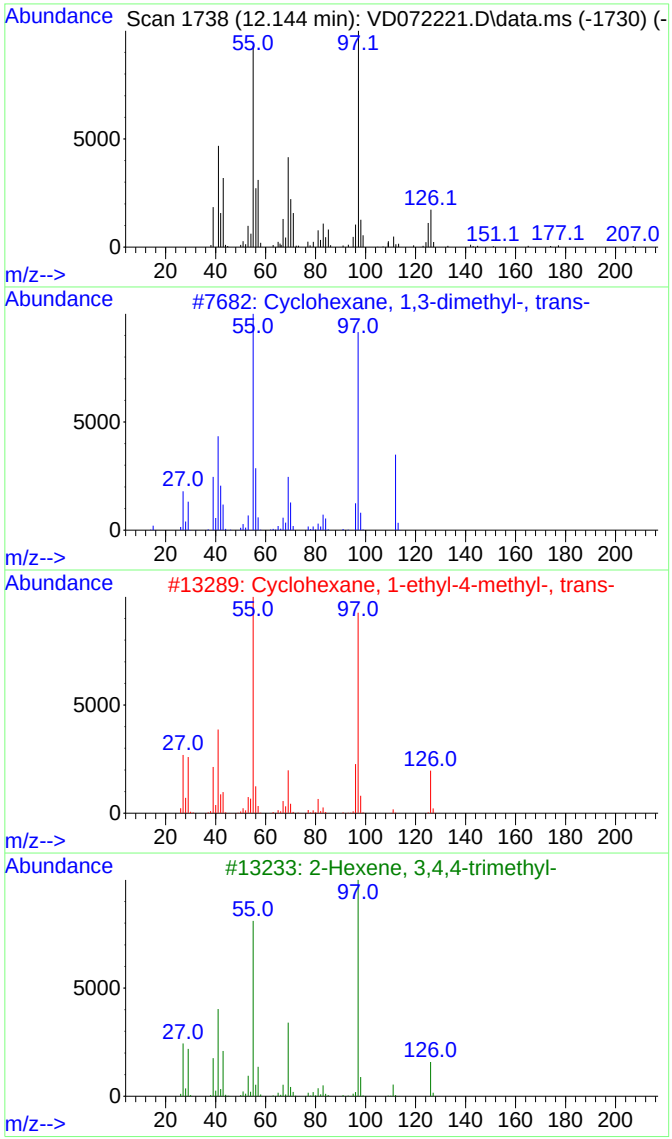
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

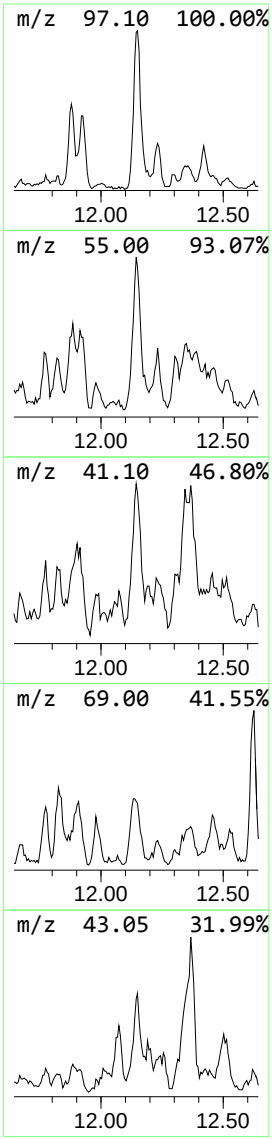
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.144 | 8.90 ug/l | 513342 | Chlorobenzene-d5 | 11.638 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 59 |
| 2 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 006236-88-0 | 58 |
| 3 | 2-Hexene, 3,4,4-trimethyl- | 126 | C9H18 | 053941-19-8 | 58 |
| 4 | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18 | 004926-78-7 | 58 |
| 5 | Cyclohexane, 1-ethyl-2-methyl- | 126 | C9H18 | 003728-54-9 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

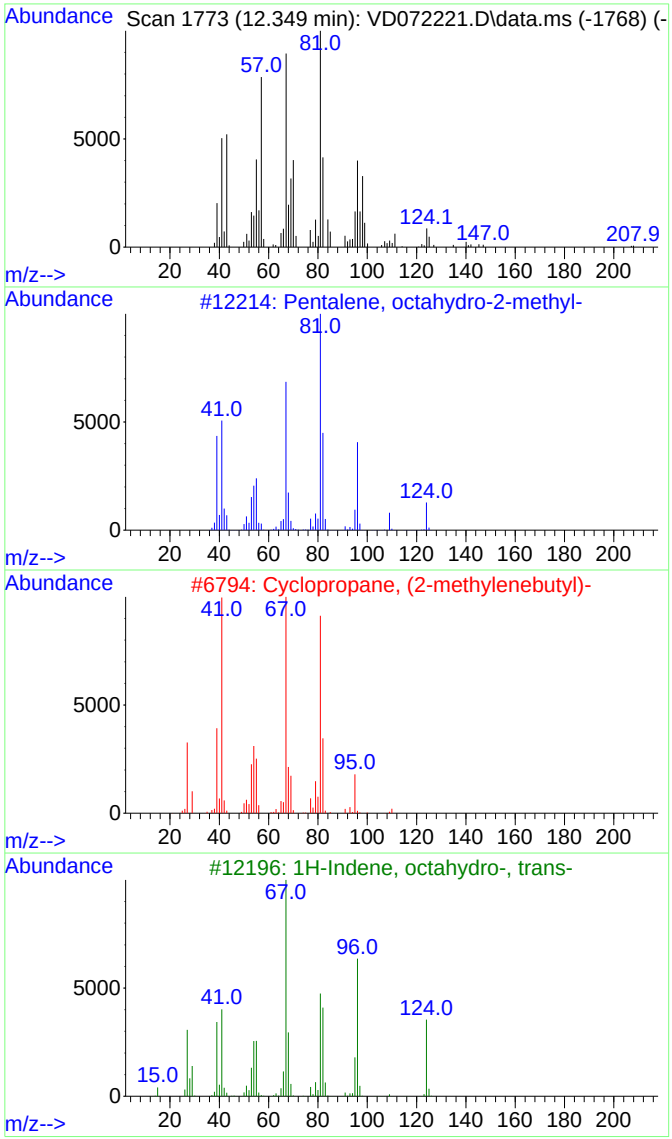
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

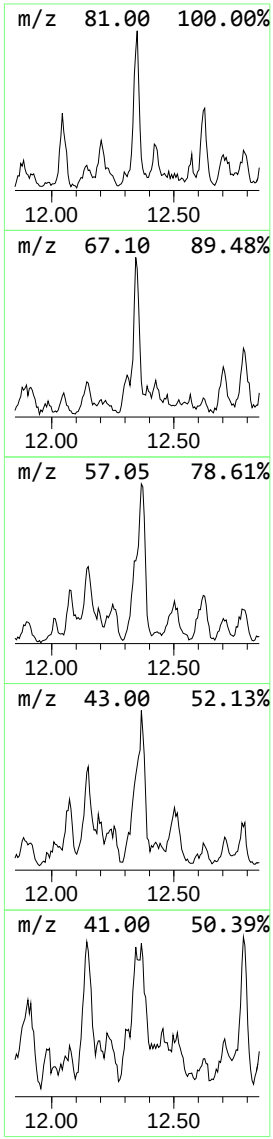
**********

Peak Number 8 unknown12.350 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.350 | 8.65 ug/l | 498846 | Chlorobenzene-d5 | 11.638 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentalene, octahydro-2-methyl- | 124 | C9H16 | 003868-64-2 | 49 |
| 2 | Cyclopropane, (2-methylenebutyl)- | 110 | C8H14 | 074685-56-6 | 49 |
| 3 | 1H-Indene, octahydro-, trans- | 124 | C9H16 | 003296-50-2 | 45 |
| 4 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 43 |
| 5 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

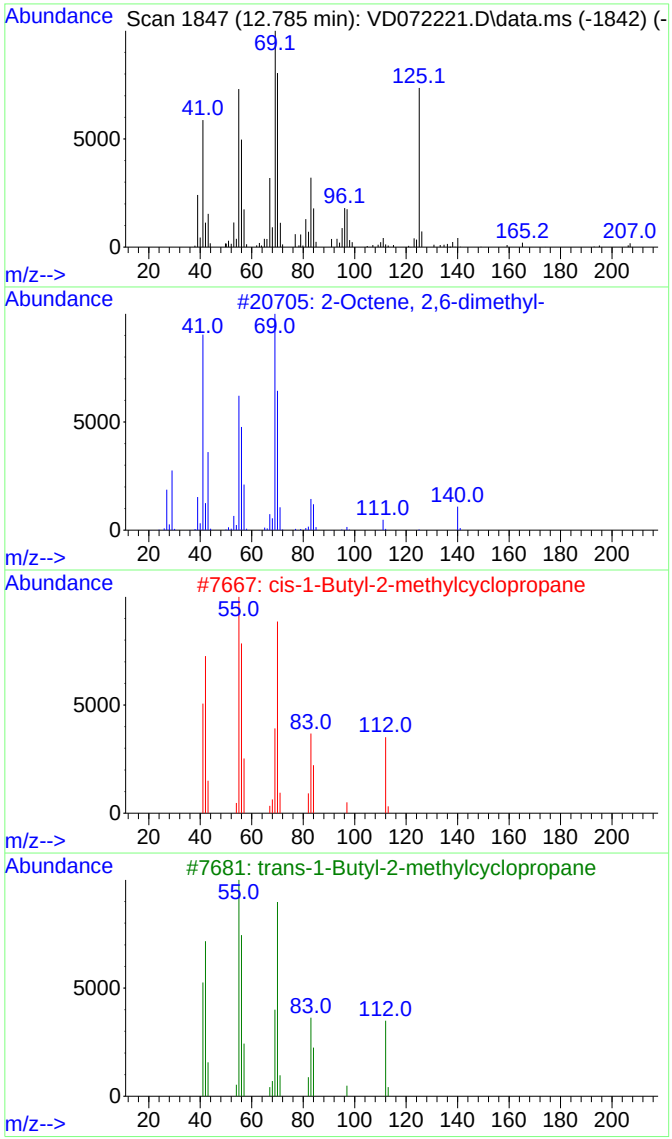
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

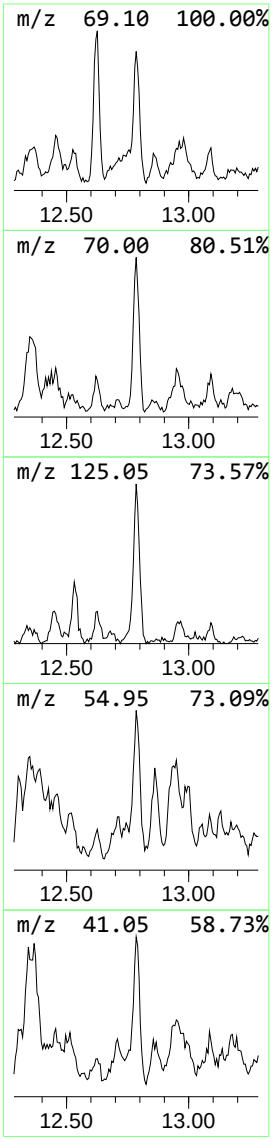
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 2-Octene, 2,6-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.785 | 6.85 ug/l | 407307 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 64 |
| 2 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 46 |
| 3 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 46 |
| 4 | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20 | 050876-32-9 | 43 |
| 5 | Cyclopentane, butyl- | 126 | C9H18 | 002040-95-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

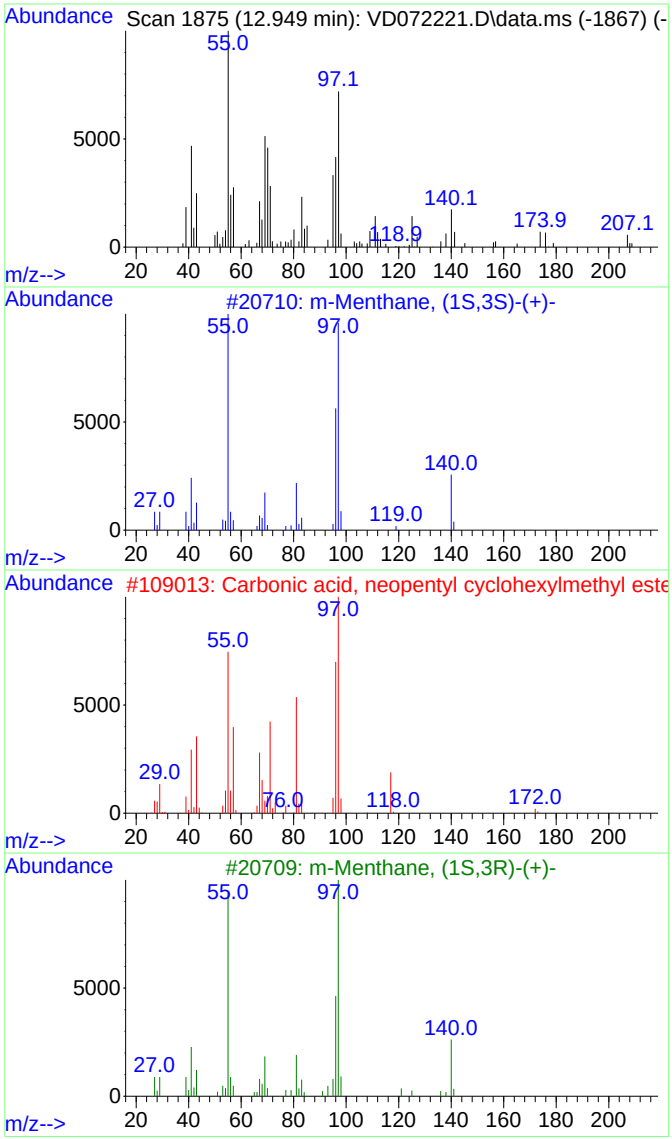
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

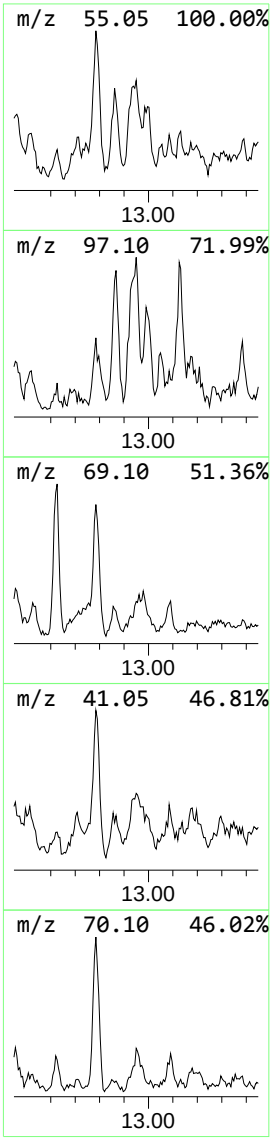
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 unknown12.949 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.949 | 6.71 ug/l | 399030 | 1,4-Dichlorobenzene-d4 | 13.561 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | m-Menthane, (1S,3S)-(+)- | 140 | C10H20 | 013837-67-7 | 38 |
| 2 | Carbonic acid, neopentyl cyclohe... | 228 | C13H24O3 | 1000357-85-8 | 38 |
| 3 | m-Menthane, (1S,3R)-(+)- | 140 | C10H20 | 013837-66-6 | 38 |
| 4 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 006069-98-3 | 38 |
| 5 | 4-Octene, 2,6-dimethyl-, [S-(E)]- | 140 | C10H20 | 062960-76-3 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
Data File : VD072221.D
Acq On : 16 Mar 2022 16:34
Operator : VA/SY
Sample : N1914-01
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
TP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Pentane, 2,3-di... | 8.061 | 8.6 | ug/l | 285807 | 1 | 7.973 | 1656540 | 50.0 |
| Cyclopentane, 1... | 9.320 | 12.6 | ug/l | 528476 | 2 | 8.861 | 2091630 | 50.0 |
| Cyclopentane, 1... | 9.626 | 11.8 | ug/l | 493591 | 2 | 8.861 | 2091630 | 50.0 |
| Cyclohexane, 1,... | 10.673 | 7.1 | ug/l | 407923 | 3 | 11.638 | 2884290 | 50.0 |
| Heptane, 2,5-di... | 11.044 | 6.6 | ug/l | 382300 | 3 | 11.638 | 2884290 | 50.0 |
| Cyclohexane, 1,... | 11.238 | 7.4 | ug/l | 425929 | 3 | 11.638 | 2884290 | 50.0 |
| Cyclohexane, 1,... | 12.144 | 8.9 | ug/l | 513342 | 3 | 11.638 | 2884290 | 50.0 |
| unknown12.350 | 12.350 | 8.7 | ug/l | 498846 | 3 | 11.638 | 2884290 | 50.0 |
| 2-Octene, 2,6-d... | 12.785 | 6.8 | ug/l | 407307 | 4 | 13.561 | 2971410 | 50.0 |
| unknown12.949 | 12.949 | 6.7 | ug/l | 399030 | 4 | 13.561 | 2971410 | 50.0 |