LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

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_X\METHOD\82X012220W.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 | 1.070 | 25 | 30 | 62 | rBV | 17598383 | 41176586 | 100.00% | 43.062% |
| 2 | 3.027 | 339 | 351 | 369 | rBV | 6262995 | 13629770 | 33.10% | 14.254% |
| 3 | 4.685 | 607 | 623 | 635 | rBV | 4331659 | 14012189 | 34.03% | 14.654% |
| 4 | 5.106 | 681 | 692 | 711 | rBV | 1425969 | 4273757 | 10.38% | 4.469% |
| 5 | 5.490 | 743 | 755 | 767 | rBV | 245192 | 702531 | 1.71% | 0.735% |
| 6 | 5.649 | 767 | 781 | 794 | rVB | 438385 | 1225370 | 2.98% | 1.281% |
| 7 | 6.051 | 836 | 847 | 856 | rBV2 | 264198 | 707776 | 1.72% | 0.740% |
| 8 | 6.850 | 969 | 978 | 991 | rVB | 673753 | 1557488 | 3.78% | 1.629% |
| 9 | 8.709 | 1276 | 1283 | 1289 | rBV | 1444427 | 2191664 | 5.32% | 2.292% |
| 10 | 9.428 | 1392 | 1401 | 1407 | rBV | 581551 | 883736 | 2.15% | 0.924% |
| 11 | 10.105 | 1502 | 1512 | 1524 | rBV | 1462571 | 2205628 | 5.36% | 2.307% |
| 12 | 10.355 | 1548 | 1553 | 1558 | rVB | 295503 | 420874 | 1.02% | 0.440% |
| 13 | 11.129 | 1674 | 1680 | 1686 | rBV | 1191287 | 1606212 | 3.90% | 1.680% |
| 14 | 12.074 | 1828 | 1835 | 1842 | rBV | 1586925 | 2175099 | 5.28% | 2.275% |
| 15 | 12.153 | 1842 | 1848 | 1852 | rBV2 | 345699 | 535927 | 1.30% | 0.560% |
| 16 | 12.812 | 1949 | 1956 | 1961 | rBV | 651088 | 916535 | 2.23% | 0.958% |
| 17 | 12.958 | 1968 | 1980 | 1985 | rBV | 3448264 | 4464018 | 10.84% | 4.668% |
| 18 | 13.525 | 2068 | 2073 | 2077 | rBV3 | 595909 | 856440 | 2.08% | 0.896% |
| 19 | 13.641 | 2087 | 2092 | 2101 | rBV2 | 1141199 | 1528097 | 3.71% | 1.598% |
| 20 | 14.153 | 2168 | 2176 | 2187 | rBV2 | 330837 | 552723 | 1.34% | 0.578% |

Sum of corrected areas: 95622420

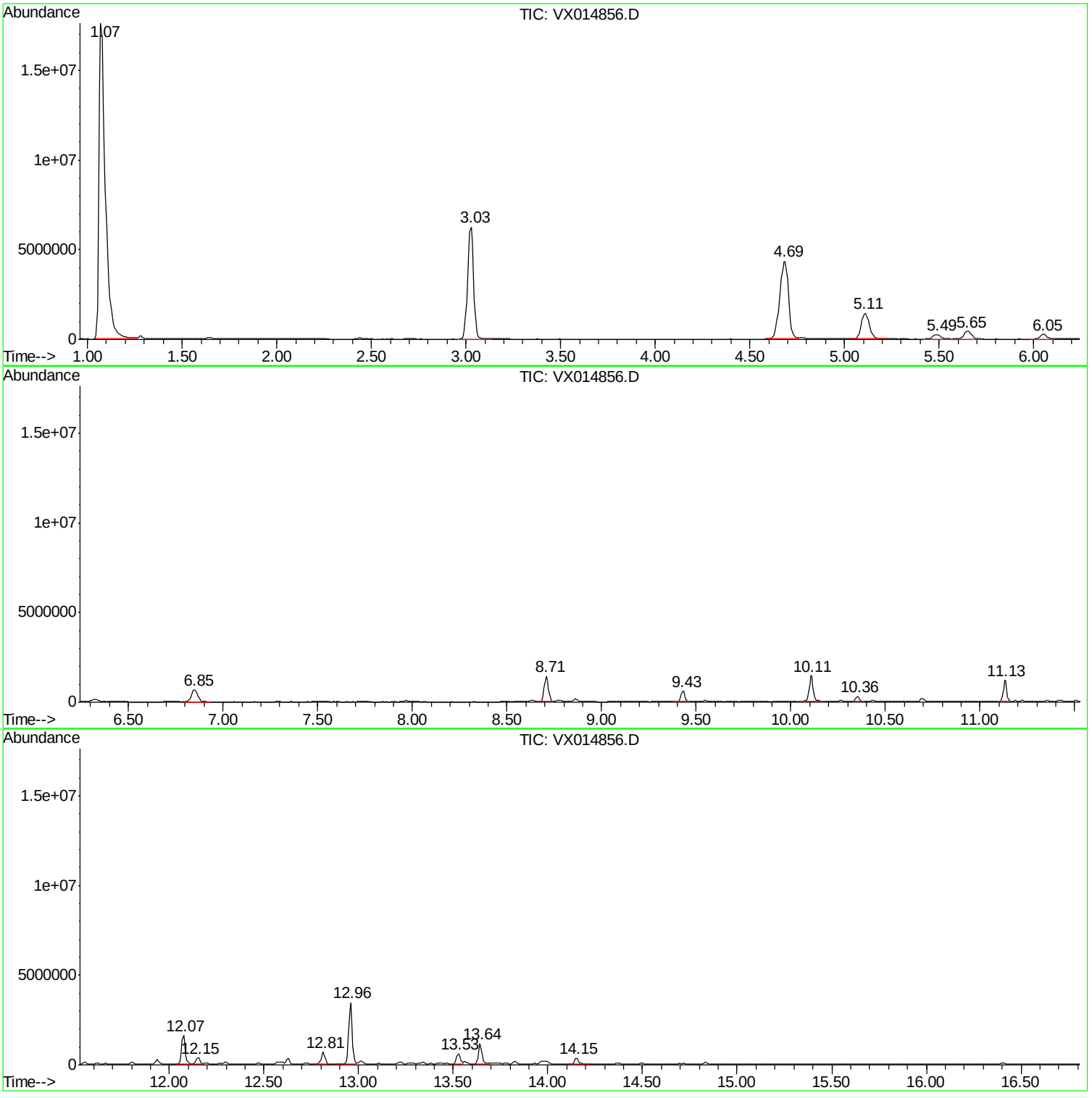
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.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_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

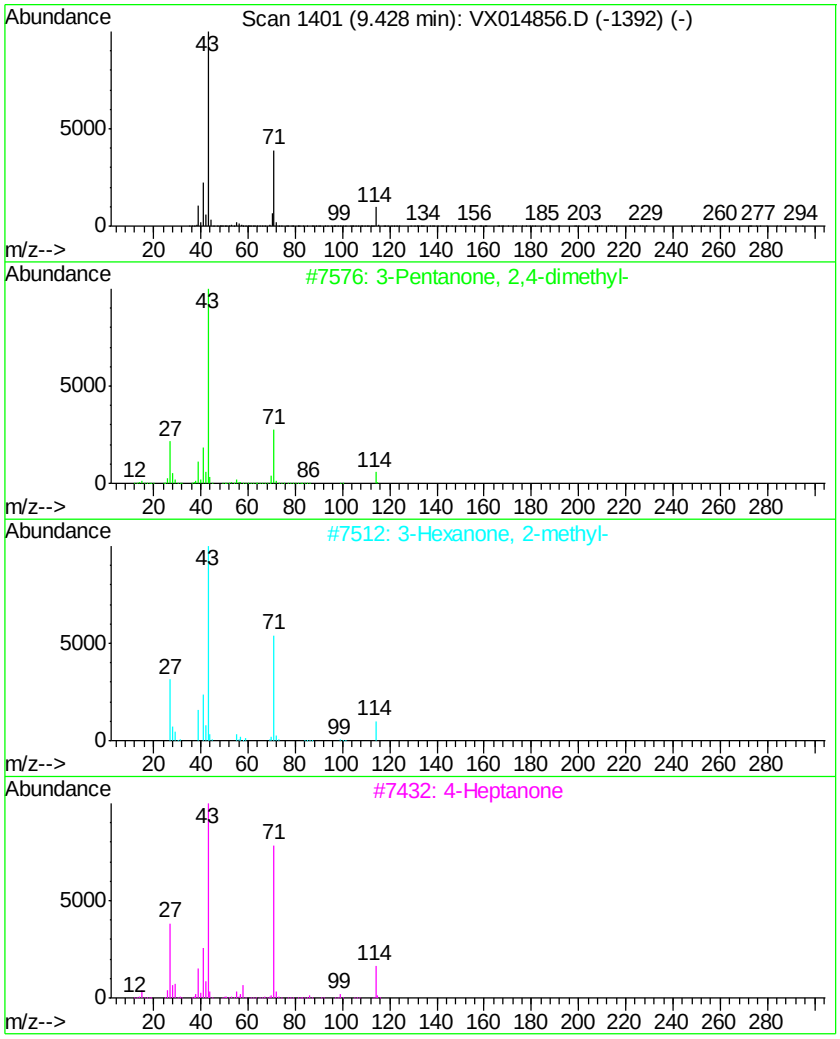
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

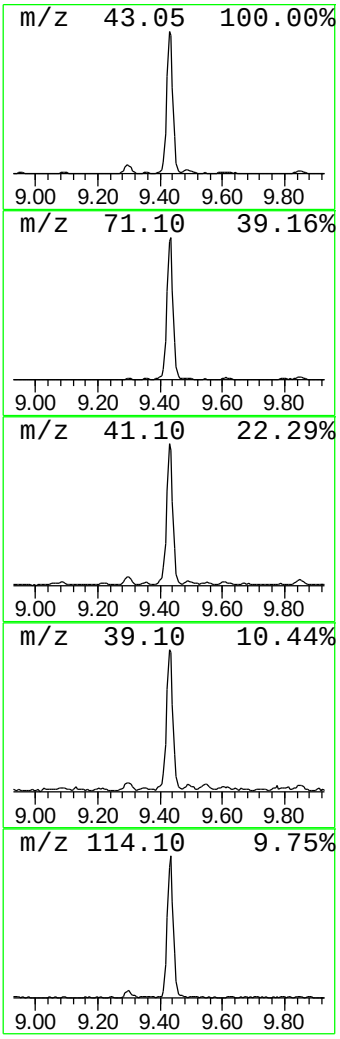
**********

Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.43 | 20.03 ug/l | 883736 | Chlorobenzene-d5 | 10.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 90 |
| 2 | 3-Hexanone, 2-methyl- | 114 | C7H14O | 007379-12-6 | 90 |
| 3 | 4-Heptanone | 114 | C7H14O | 000123-19-3 | 59 |
| 4 | 2,3-Hexanedione | 114 | C6H10O2 | 003848-24-6 | 50 |
| 5 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 39 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

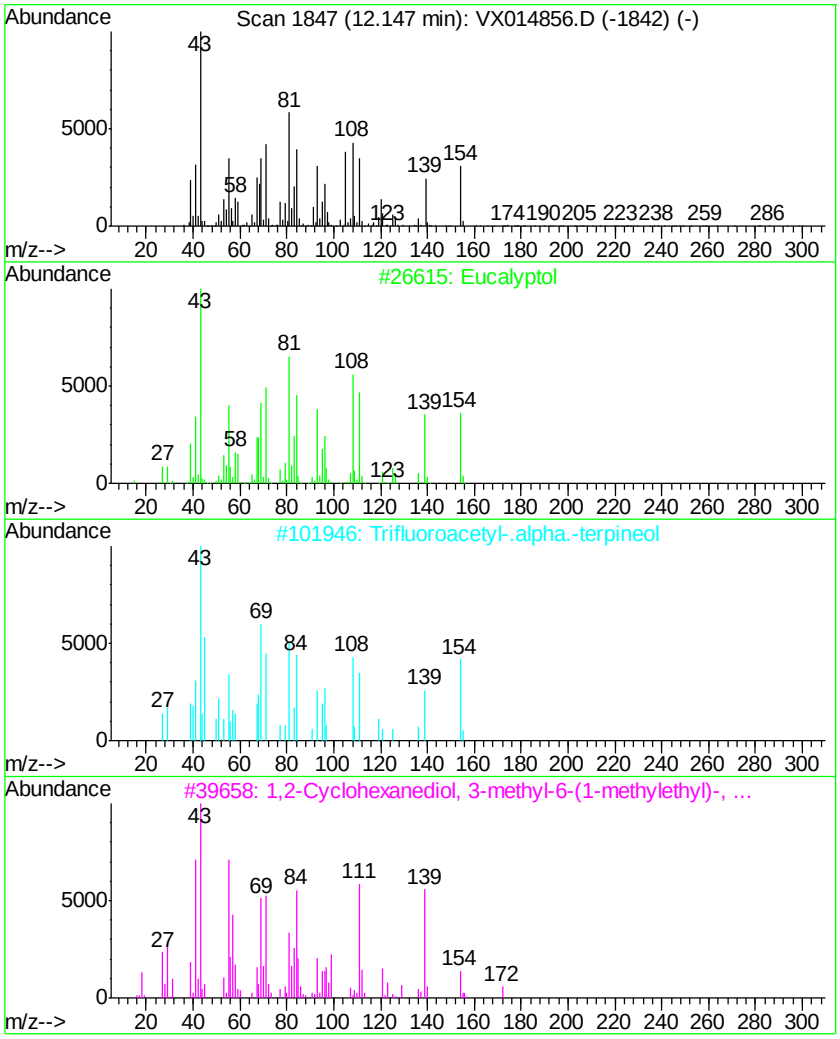
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

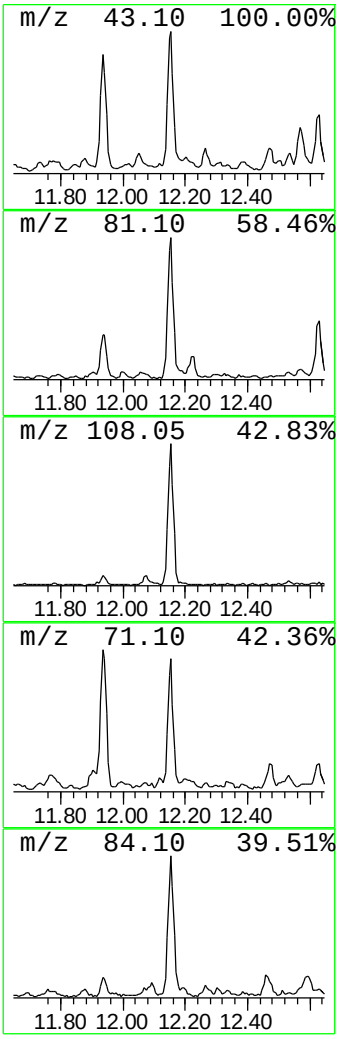
**********

Peak Number 4 Eucalyptol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.15 | 12.32 ug/l | 535927 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 99 |
| 2 | Trifluoroacetyl-.alpha.-terpineol | 250 | C12H17F3O2 | 1000058-17-6 | 83 |
| 3 | 1,2-Cyclohexanediol, 3-methyl-6-... | 172 | C10H20O2 | 042962-93-6 | 45 |
| 4 | 2-Oxabicyclo[2.2.2]octan-6-ol, 1... | 170 | C10H18O2 | 018679-48-6 | 35 |
| 5 | exo-2-Hydroxycineole | 170 | C10H18O2 | 092999-78-5 | 25 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

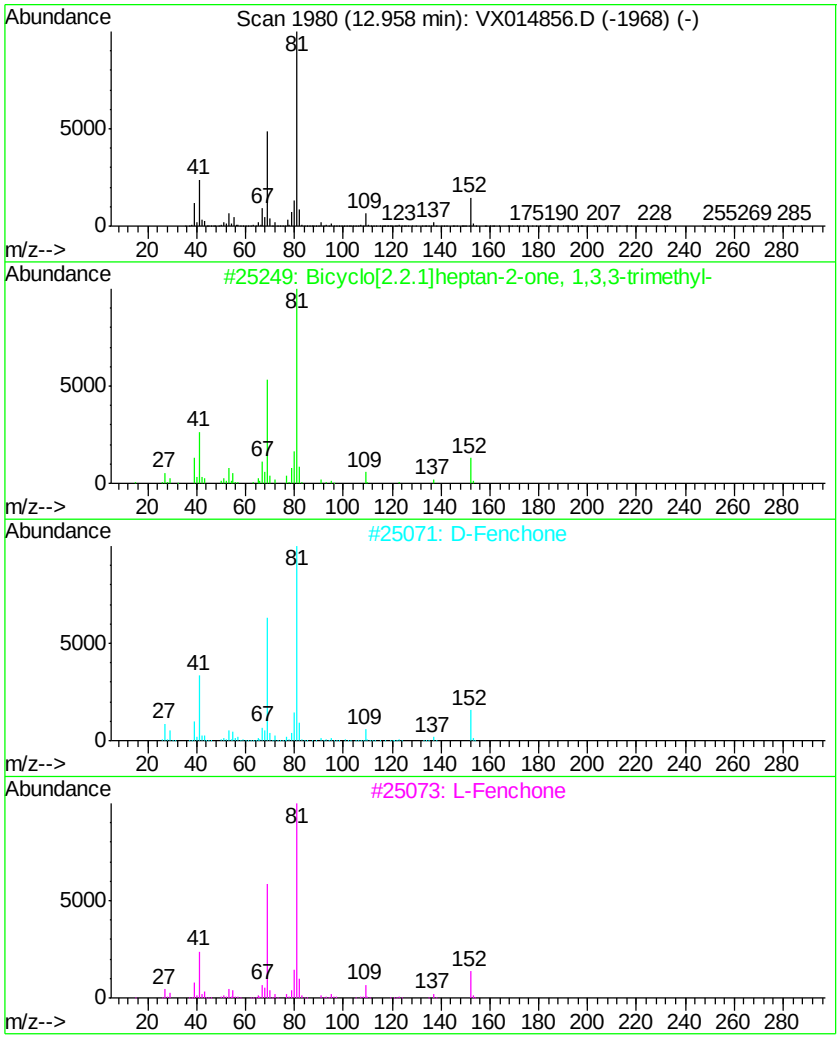
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

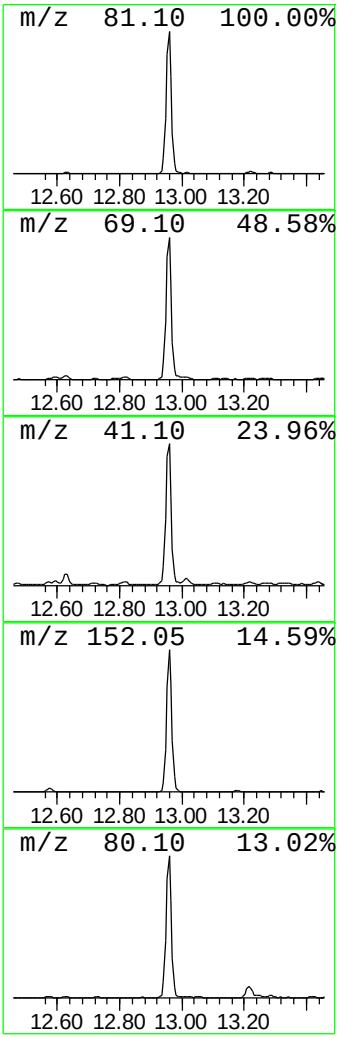
**********

Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.96 | 102.62 ug/l | 4464020 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 95 |
| 2 | D-Fenchone | 152 | C10H16O | 004695-62-9 | 94 |
| 3 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 94 |
| 4 | Formic acid, cis-4-methylcyclohe... | 142 | C8H14O2 | 1000368-24-7 | 36 |
| 5 | Cyclohexane, 1,3-dichloro-, trans- | 152 | C6H10Cl2 | 024955-62-2 | 36 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

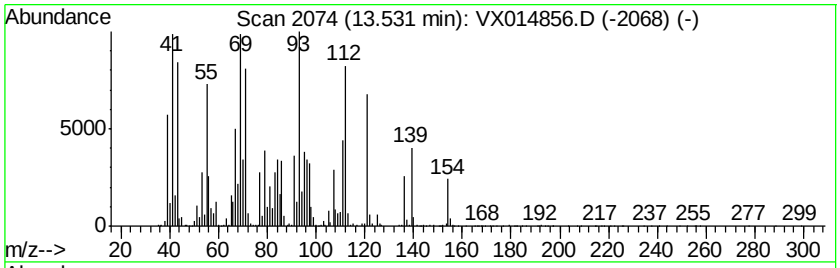
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

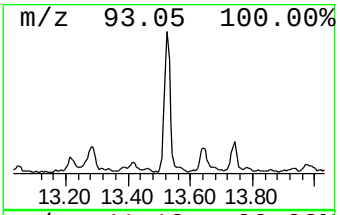
**********

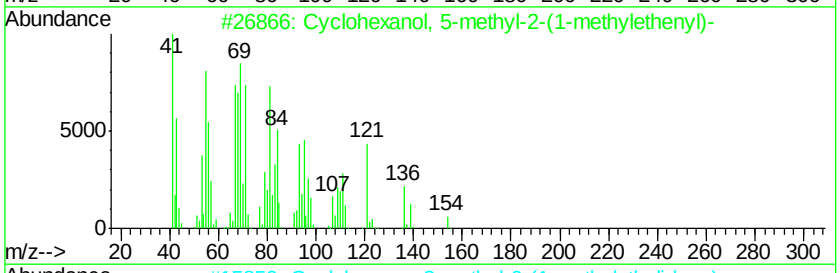
Peak Number 7 unknown13.53 Concentration Rank 7

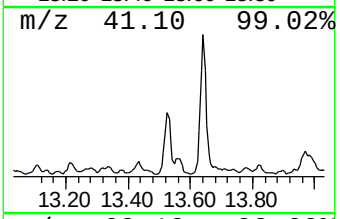
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.53 | 19.69 ug/l | 856440 | 1,4-Dichlorobenzene-d4 | 12.07 |

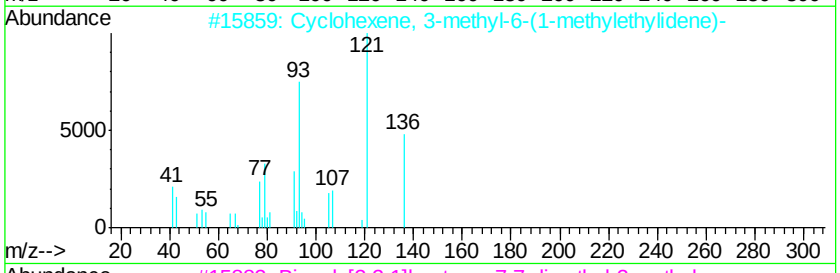
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 5-methyl-2-(1-meth... | 154 | C10H18O | 007786-67-6 | 41 |
| 2 | Cyclohexene, 3-methyl-6-(1-methy... | 136 | C10H16 | 000586-63-0 | 25 |
| 3 | Bicyclo[2.2.1]heptane, 7,7-dimet... | 136 | C10H16 | 000471-84-1 | 20 |
| 4 | Cyclohexene, 1-methyl-3-(1-methy... | 136 | C10H16 | 000499-03-6 | 18 |
| 5 | Camphene | 136 | C10H16 | 000079-92-5 | 15 |

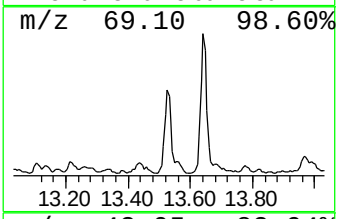


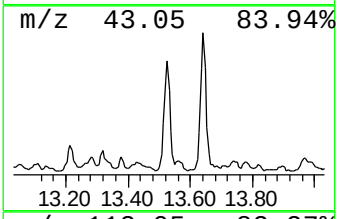



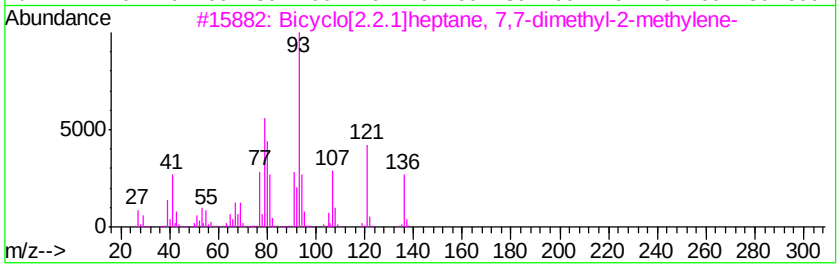



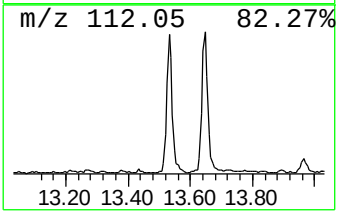



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

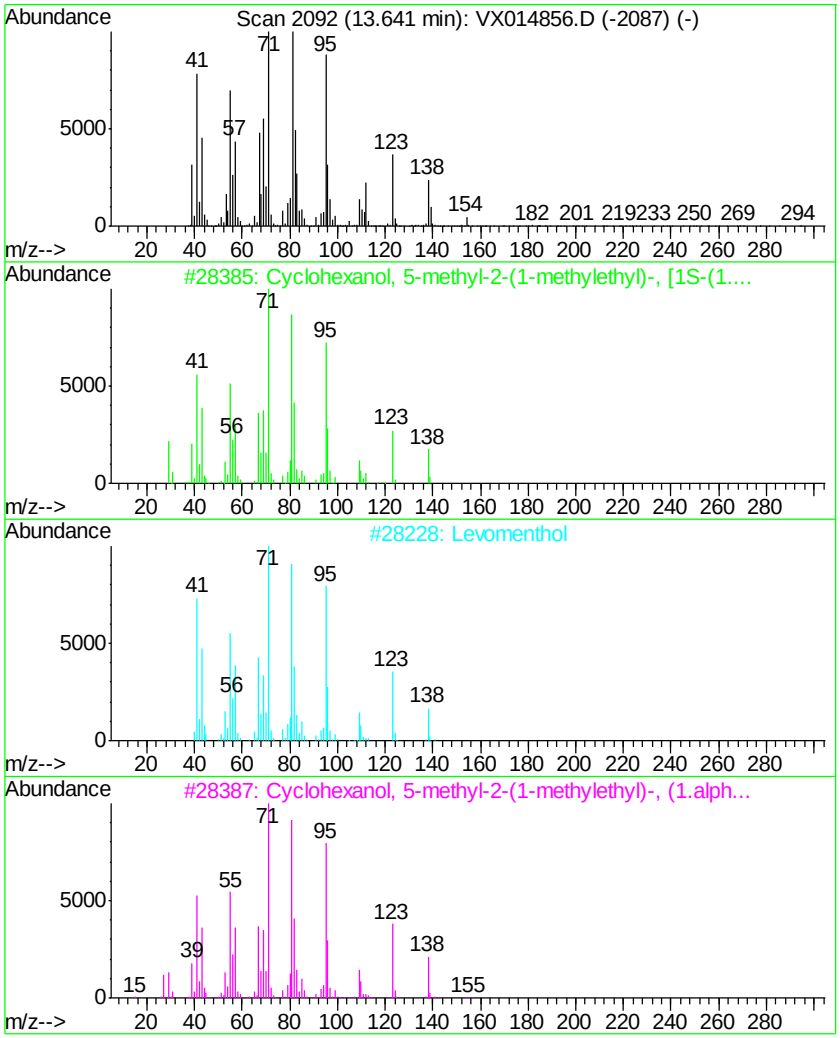
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

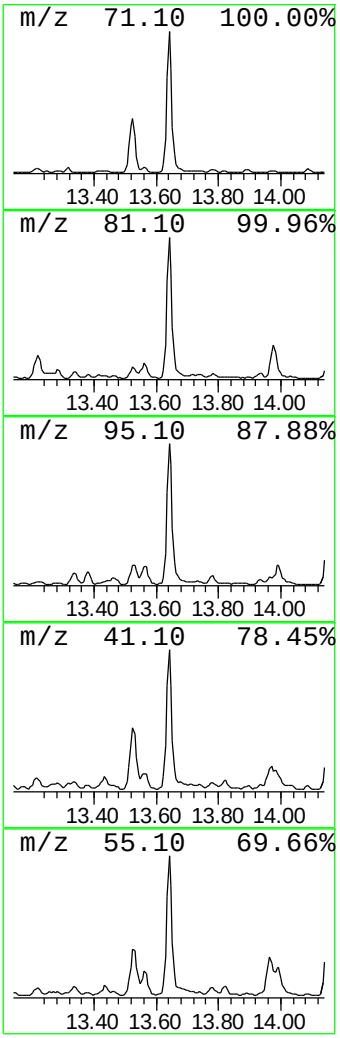
**********

Peak Number 8 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 35.13 ug/l | 1528100 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 002216-52-6 | 91 |
| 2 | Levomenthol | 156 | C10H20O | 002216-51-5 | 90 |
| 3 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 015356-70-4 | 90 |
| 4 | dl-Menthol | 156 | C10H20O | 000089-78-1 | 87 |
| 5 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 001490-04-6 | 87 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260

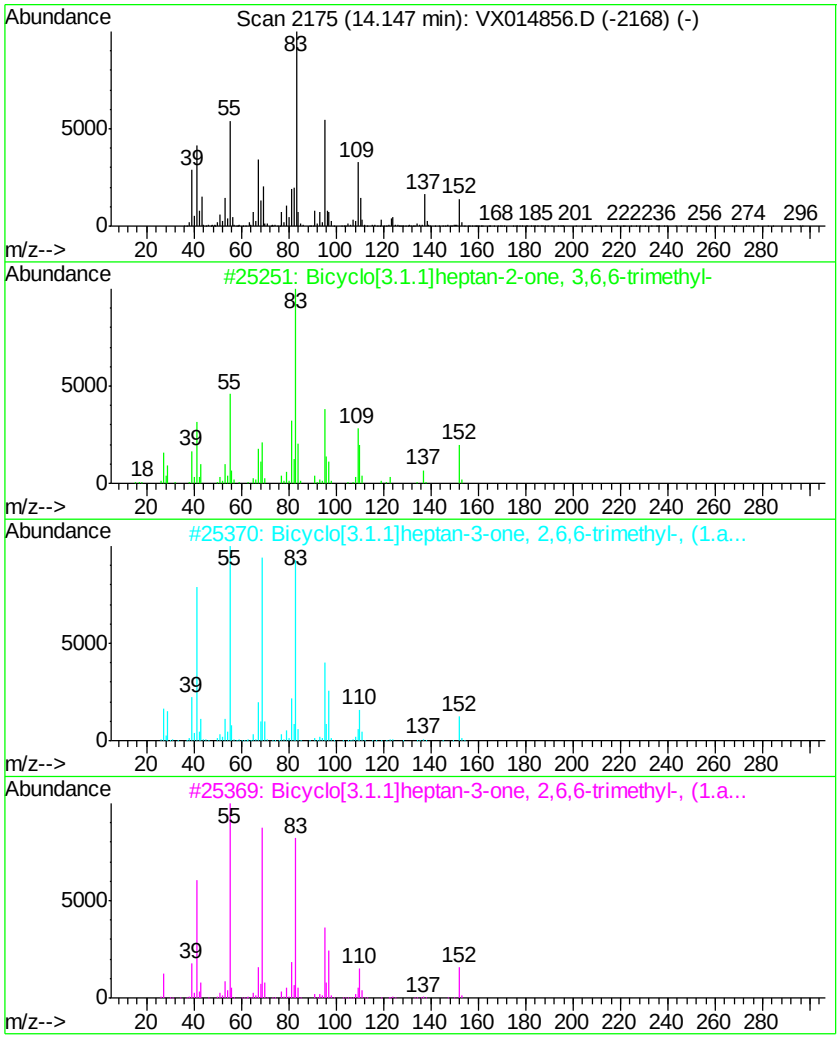
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

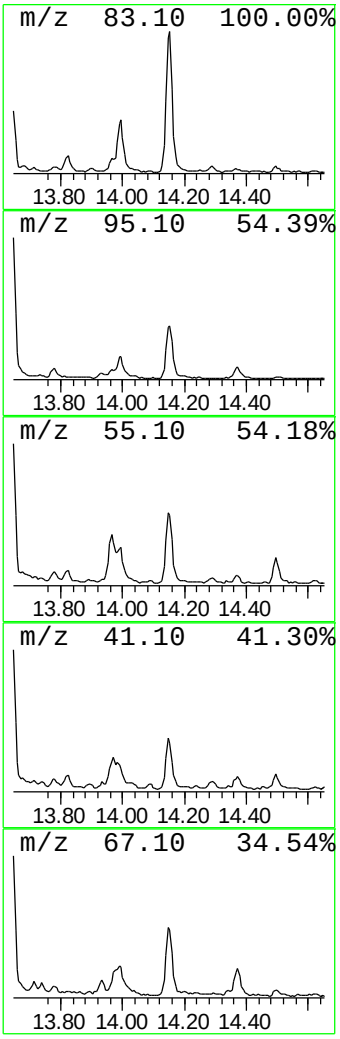
**********

Peak Number 9 Bicyclo[3.1.1]heptan-2-one,... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.15 | 12.71 ug/l | 552723 | 1,4-Dichlorobenzene-d4 | 12.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]heptan-2-one, 3,6,... | 152 | C10H16O | 016022-08-5 | 68 |
| 2 | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 000547-60-4 | 64 |
| 3 | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 015358-88-0 | 49 |
| 4 | Bicyclo[3.1.0]hexan-2-one, 4-met... | 152 | C10H16O | 002506-61-8 | 46 |
| 5 | 2,4-Hexadiene, 2,5-dimethyl- | 110 | C8H14 | 000764-13-6 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
Data File : VX014856.D
Acq On : 06 Feb 2020 18:30
Operator : JC/SP
Sample : L1420-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 400205799-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.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 |
| 3-Pentanone, 2,4-... | 9.43 | 20.0 | ug/l | 883736 | 3 | 10.11 | 2205630 | 50.0 |
| Eucalyptol | 12.15 | 12.3 | ug/l | 535927 | 4 | 12.07 | 2175100 | 50.0 |
| Bicyclo[2.2.1]hep... | 12.96 | 102.6 | ug/l | 4464020 | 4 | 12.07 | 2175100 | 50.0 |
| unknown13.53 | 13.53 | 19.7 | ug/l | 856440 | 4 | 12.07 | 2175100 | 50.0 |
| Cyclohexanol, 5-m... | 13.64 | 35.1 | ug/l | 1528100 | 4 | 12.07 | 2175100 | 50.0 |
| Bicyclo[3.1.1]hep... | 14.15 | 12.7 | ug/l | 552723 | 4 | 12.07 | 2175100 | 50.0 |