LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
Data File : VV008297.D
Acq On : 16 Oct 2018 14:29
Operator : SY/MD
Sample : J5406-09
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0AK3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR101518WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.225 | 37 | 42 | 46 | rBV | 9493 | 8158 | 2.39% | 0.312% |
| 2 | 1.319 | 64 | 71 | 82 | rVB | 40835 | 44177 | 12.96% | 1.689% |
| 3 | 1.586 | 147 | 154 | 166 | rVB | 32202 | 36260 | 10.64% | 1.387% |
| 4 | 2.132 | 315 | 324 | 336 | rBV | 65550 | 93407 | 27.40% | 3.572% |
| 5 | 3.003 | 587 | 595 | 606 | rVB2 | 13694 | 27009 | 7.92% | 1.033% |
| 6 | 3.984 | 882 | 900 | 928 | rBV | 35657 | 132519 | 38.88% | 5.067% |
| 7 | 4.405 | 1015 | 1031 | 1052 | rBV | 49727 | 118415 | 34.74% | 4.528% |
| 8 | 4.811 | 1148 | 1157 | 1174 | rVB6 | 1615 | 4035 | 1.18% | 0.154% |
| 9 | 5.100 | 1230 | 1247 | 1266 | rBV2 | 129375 | 296996 | 87.13% | 11.357% |
| 10 | 5.601 | 1394 | 1403 | 1405 | rBV4 | 2671 | 3572 | 1.05% | 0.137% |
| 11 | 5.666 | 1411 | 1423 | 1440 | rVB | 105544 | 204694 | 60.05% | 7.827% |
| 12 | 5.952 | 1501 | 1512 | 1523 | rVB4 | 7640 | 14640 | 4.30% | 0.560% |
| 13 | 6.122 | 1550 | 1565 | 1585 | rBV | 72125 | 144978 | 42.53% | 5.544% |
| 14 | 6.634 | 1714 | 1724 | 1738 | rVB8 | 3807 | 8288 | 2.43% | 0.317% |
| 15 | 7.035 | 1837 | 1849 | 1870 | rBV2 | 36300 | 66013 | 19.37% | 2.524% |
| 16 | 7.199 | 1884 | 1900 | 1916 | rVB2 | 26360 | 53425 | 15.67% | 2.043% |
| 17 | 7.363 | 1938 | 1951 | 1966 | rBV | 142472 | 251862 | 73.89% | 9.631% |
| 18 | 7.669 | 2033 | 2046 | 2059 | rBV | 21722 | 38232 | 11.22% | 1.462% |
| 19 | 8.148 | 2180 | 2195 | 2231 | rBV5 | 127436 | 340858 | 100.00% | 13.034% |
| 20 | 8.293 | 2235 | 2240 | 2251 | rVB5 | 2058 | 3947 | 1.16% | 0.151% |
| 21 | 8.900 | 2416 | 2429 | 2445 | rBV | 145688 | 243289 | 71.38% | 9.303% |
| 22 | 9.180 | 2506 | 2516 | 2524 | rBV6 | 4422 | 8177 | 2.40% | 0.313% |
| 23 | 10.264 | 2843 | 2853 | 2864 | rBV | 39751 | 64507 | 18.92% | 2.467% |
| 24 | 11.299 | 3164 | 3175 | 3202 | rVB | 106872 | 198834 | 58.33% | 7.603% |
| 25 | 11.585 | 3251 | 3264 | 3279 | rBV3 | 13827 | 29861 | 8.76% | 1.142% |
| 26 | 11.675 | 3282 | 3292 | 3311 | rVB | 101735 | 178983 | 52.51% | 6.844% |

Sum of corrected areas: 2615136

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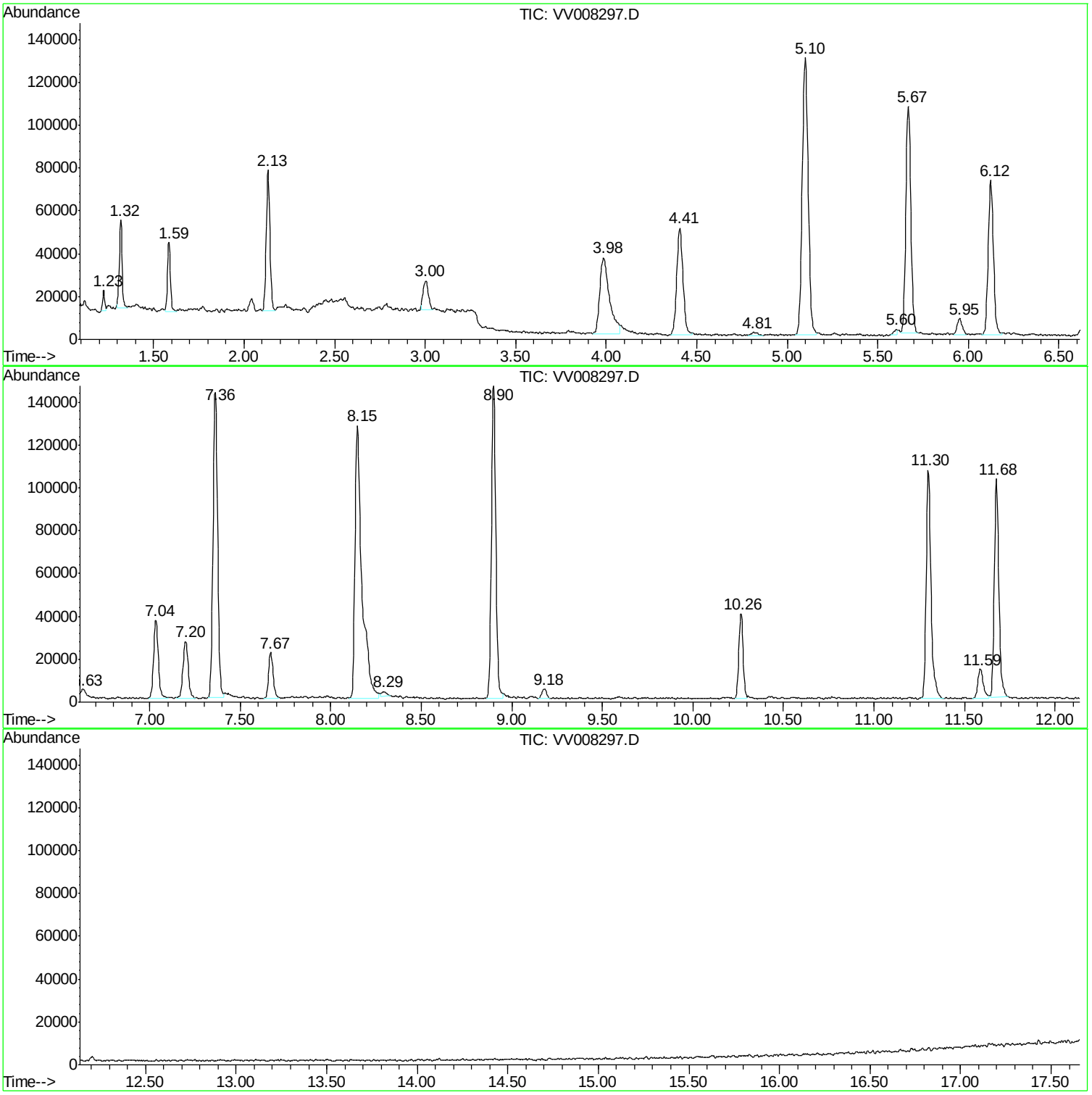
**ClientSampleId :** C0AK3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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Quant Title : TRACE VOA SOM01.0

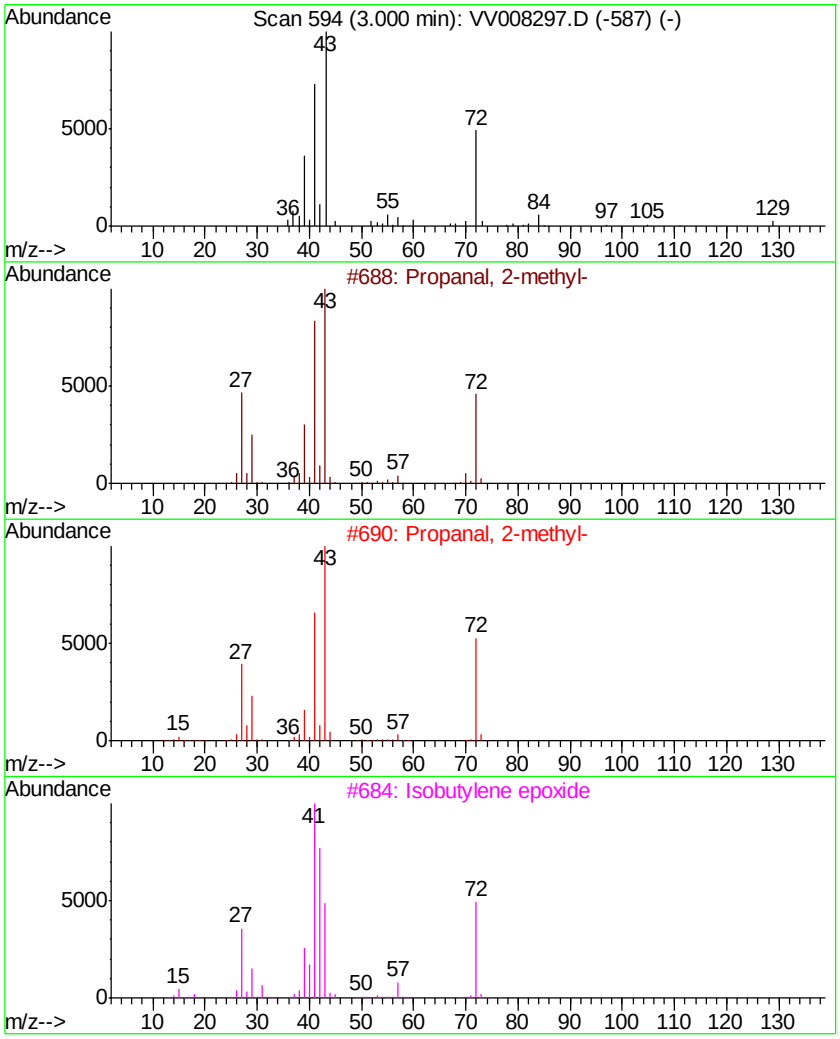
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

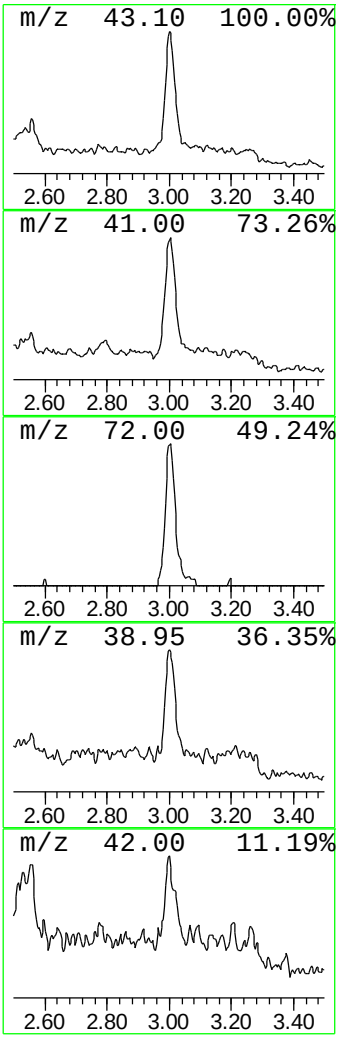
**********

Peak Number 1 Propanal, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.00 | 0.66 ug/L | 27009 | 1,4-Difluorobenzene | 5.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 72 |
| 2 | Propanal, 2-methyl- | 72 | C4H8O | 000078-84-2 | 72 |
| 3 | Isobutylene epoxide | 72 | C4H8O | 000558-30-5 | 50 |
| 4 | 2-Propenoic acid, 3-phenyl-, 2-m... | 202 | C13H14O2 | 054889-46-2 | 25 |
| 5 | Isobutylene epoxide | 72 | C4H8O | 000558-30-5 | 9 |



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**Instrument :** MSVOA_V
**ClientSampleId :** C0AK3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

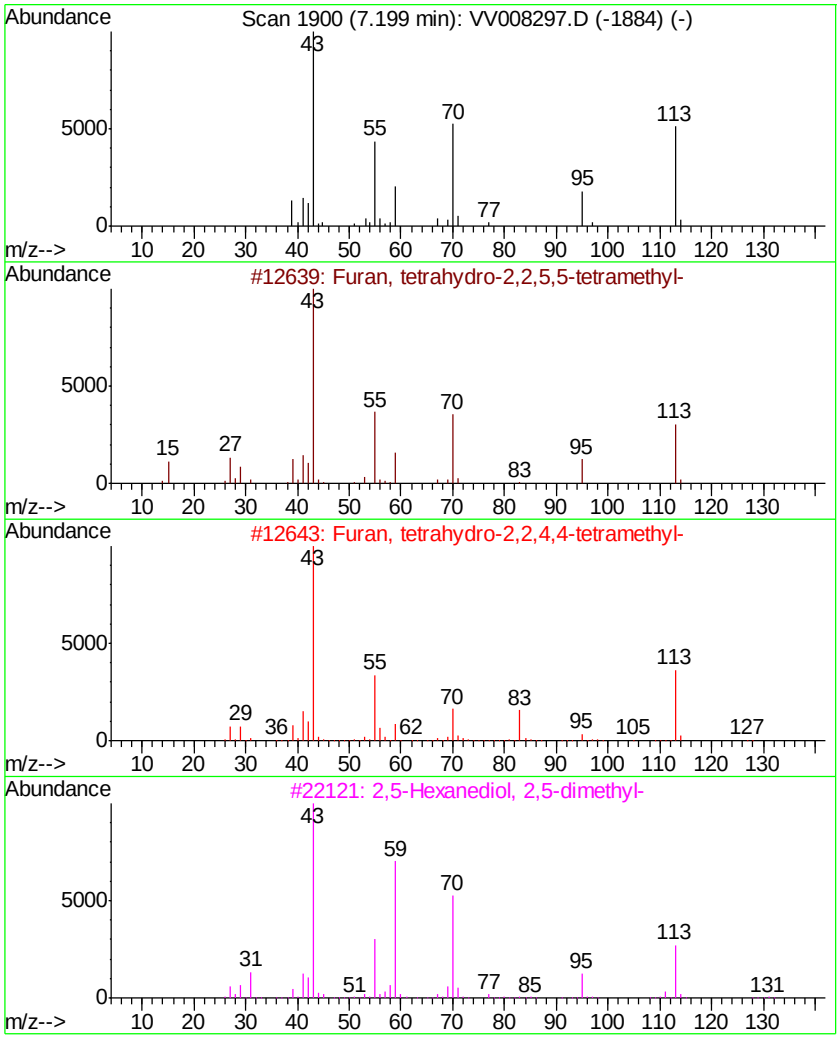
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

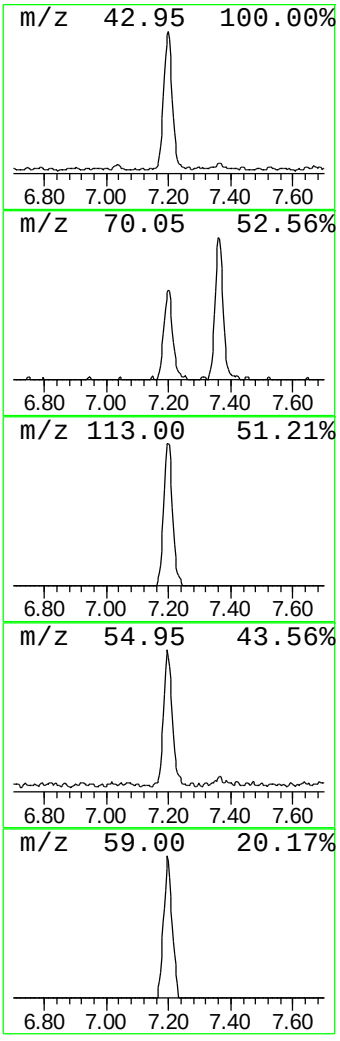
**********

Peak Number 3 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.20 | 1.31 ug/L | 53425 | 1,4-Difluorobenzene | 5.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 83 |
| 2 | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O | 003358-28-9 | 59 |
| 3 | 2,5-Hexanediol, 2,5-dimethyl- | 146 | C8H18O2 | 000110-03-2 | 53 |
| 4 | Furan, tetrahydro-2,2,4,4-tetram... | 128 | C8H16O | 003358-28-9 | 45 |
| 5 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 40 |



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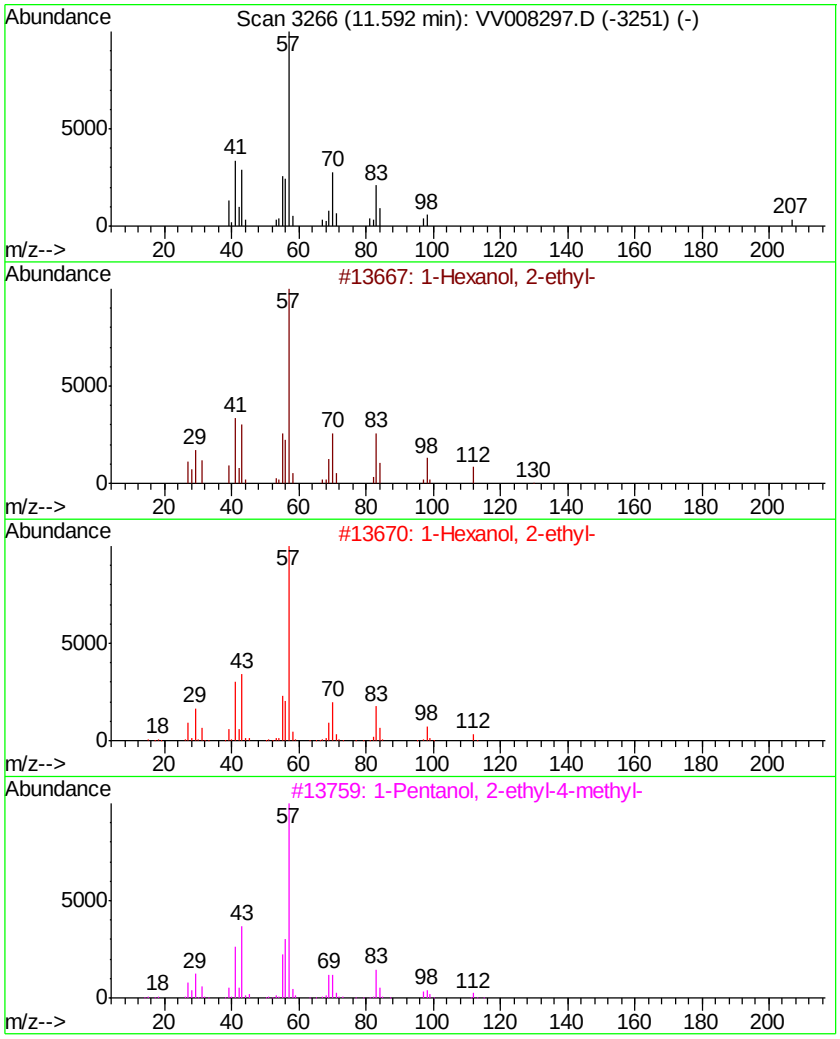
TIC Integration Parameters: LSCINT.P

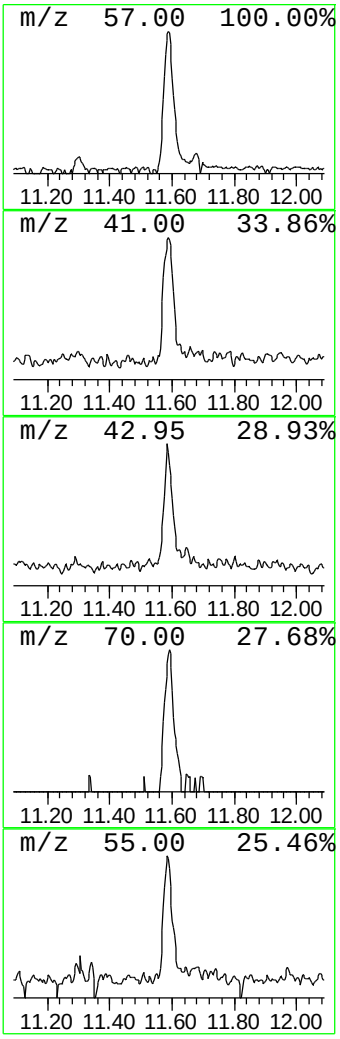
**********

Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.59 | 0.75 ug/L | 29861 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |
| 3 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 53 |
| 4 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 50 |
| 5 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 50 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propanal, 2-methyl- | 3.00 | 0.7 | ug/L | 27009 | 1 | 5.67 | 204694 | 5.0 |
| Furan, tetrahydro... | 7.20 | 1.3 | ug/L | 53425 | 1 | 5.67 | 204694 | 5.0 |
| 1-Hexanol, 2-ethyl- | 11.59 | 0.8 | ug/L | 29861 | 3 | 11.30 | 198834 | 5.0 |