LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
Data File : VX014871.D
Acq On : 07 Feb 2020 15:14
Operator : JC/SP
Sample : L1410-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 001-WILLETS-PT-BLVD-(FEB)

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X011520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.576 | 110 | 113 | 121 | rVB2 | 37294 | 53172 | 1.36% | 0.403% |
| 2 | 2.429 | 246 | 253 | 267 | rBV | 2282299 | 3672360 | 93.60% | 27.840% |
| 3 | 2.588 | 272 | 279 | 294 | rBV | 2253506 | 3923600 | 100.00% | 29.745% |
| 4 | 5.008 | 664 | 676 | 688 | rBV2 | 148067 | 435108 | 11.09% | 3.299% |
| 5 | 6.051 | 839 | 847 | 859 | rBV | 156320 | 400110 | 10.20% | 3.033% |
| 6 | 6.849 | 970 | 978 | 993 | rBV | 362974 | 851303 | 21.70% | 6.454% |
| 7 | 8.709 | 1276 | 1283 | 1289 | rVV | 757416 | 1158291 | 29.52% | 8.781% |
| 8 | 8.776 | 1289 | 1294 | 1301 | rVB | 262303 | 412474 | 10.51% | 3.127% |
| 9 | 10.105 | 1507 | 1512 | 1520 | rVB | 729001 | 991657 | 25.27% | 7.518% |
| 10 | 10.587 | 1587 | 1591 | 1596 | rVB | 107588 | 133482 | 3.40% | 1.012% |
| 11 | 10.904 | 1638 | 1643 | 1651 | rBV3 | 32331 | 51026 | 1.30% | 0.387% |
| 12 | 11.129 | 1675 | 1680 | 1687 | rBV | 620118 | 815384 | 20.78% | 6.181% |
| 13 | 11.806 | 1786 | 1791 | 1796 | rBV4 | 24426 | 41550 | 1.06% | 0.315% |
| 14 | 12.263 | 1863 | 1866 | 1871 | rBV | 29561 | 43141 | 1.10% | 0.327% |
| 15 | 13.385 | 2046 | 2050 | 2056 | rBV | 74489 | 97411 | 2.48% | 0.738% |
| 16 | 13.641 | 2086 | 2092 | 2097 | rBV5 | 30518 | 48759 | 1.24% | 0.370% |
| 17 | 14.854 | 2286 | 2291 | 2298 | rBV | 41723 | 62010 | 1.58% | 0.470% |

Sum of corrected areas: 13190838

LSC Report - Integrated Chromatogram

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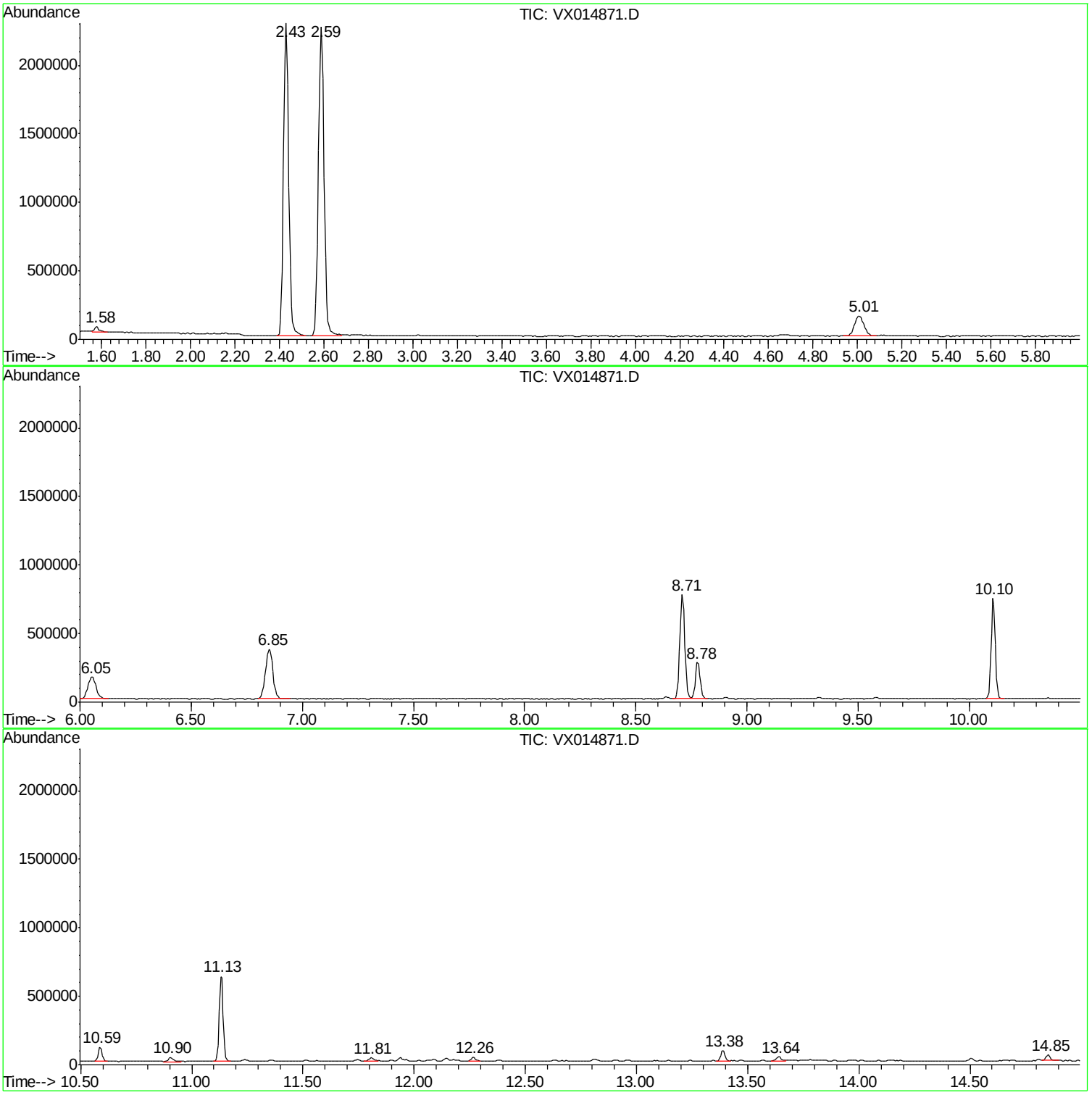
**Instrument :**
MSVOA_X
**ClientSampleId :**
001-WILLETS-PT-BLVD-(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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**Instrument :** MSVOA_X
**ClientSampleId :** 001-WILLETS-PT-BLVD-(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Methanethiol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.58 | 3.67 ug/l | 53172 | Bromochloromethane | 5.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethiol | 48 | CH4S | 000074-93-1 | 80 |
| 2 | Methanethiol | 48 | CH4S | 000074-93-1 | 72 |
| 3 | Ethanol, 2-mercapto- | 78 | C2H6OS | 000060-24-2 | 64 |
| 4 | Propanal, 3-(methylthio)- | 104 | C4H8OS | 003268-49-3 | 23 |
| 5 | Ethane, 1-chloro-1-fluoro- | 82 | C2H4ClF | 001615-75-4 | 23 |

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Peak Number 2 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.59 | 270.53 ug/l | 3923600 | Bromochloromethane | 5.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 86 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 4 | Formamide | 45 | CH3NO | 000075-12-7 | 5 |
| 5 | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3 | 002155-30-8 | 4 |

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Peak Number 3 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.59 | 4.04 ug/l | 133482 | Chlorobenzene-d5 | 10.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Octene, 2,6-dimethyl-, [S-(E)]- | 140 | C10H20 | 062960-76-3 | 90 |
| 2 | 3-Octene, 4-ethyl- | 140 | C10H20 | 053966-51-1 | 81 |
| 3 | 3-Heptene, 4-propyl- | 140 | C10H20 | 004485-13-6 | 64 |
| 4 | 3-Heptene, 4-propyl- | 140 | C10H20 | 004485-13-6 | 64 |
| 5 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 64 |

Tentatively Identified Compound (LSC) summary

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ALS Vial : 11 Sample Multiplier: 1

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**ClientSampleId :** 001-WILLETS-PT-BLVD-(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Methanethiol | 1.58 | 3.7 | ug/l | 53172 | 1 | 5.01 | 435108 | 30.0 |
| Isopropyl Alcohol | 2.59 | 270.5 | ug/l | 3923600 | 1 | 5.01 | 435108 | 30.0 |
| 4-Octene, 2,6-dim... | 10.59 | 4.0 | ug/l | 133482 | 3 | 10.10 | 991657 | 30.0 |