# LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062019\
Data File : VU032914.D
Acq On : 20 Jun 2019 20:51
Operator : JC/SP
Sample : K3413-13DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GALG1DL

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_U\METHOD\SOMUTR060419WMA.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 | 1.180 | 22 | 28 | 35 | rBV | 22540 | 20995 | 5.71% | 0.711% |
| 2 | 1.283 | 56 | 60 | 71 | rVB3 | 5483 | 8557 | 2.33% | 0.290% |
| 3 | 1.395 | 87 | 95 | 104 | rBV2 | 41953 | 45900 | 12.49% | 1.554% |
| 4 | 1.550 | 136 | 143 | 153 | rVB5 | 6161 | 8496 | 2.31% | 0.288% |
| 5 | 1.678 | 174 | 183 | 192 | rVB | 31422 | 36989 | 10.06% | 1.252% |
| 6 | 1.756 | 202 | 207 | 216 | rVB5 | 2798 | 3810 | 1.04% | 0.129% |
| 7 | 1.900 | 241 | 252 | 257 | rBV6 | 2628 | 4540 | 1.24% | 0.154% |
| 8 | 1.945 | 259 | 266 | 276 | rVB4 | 2942 | 4405 | 1.20% | 0.149% |
| 9 | 2.267 | 356 | 366 | 377 | rBV | 60610 | 93806 | 25.52% | 3.176% |
| 10 | 2.315 | 377 | 381 | 392 | rVB7 | 2215 | 3934 | 1.07% | 0.133% |
| 11 | 4.186 | 949 | 963 | 991 | rBV | 56780 | 151256 | 41.15% | 5.122% |
| 12 | 4.386 | 1009 | 1025 | 1044 | rBV | 28638 | 67730 | 18.43% | 2.293% |
| 13 | 4.640 | 1087 | 1104 | 1123 | rBV | 51780 | 121869 | 33.16% | 4.127% |
| 14 | 5.328 | 1296 | 1318 | 1344 | rBV3 | 97361 | 278309 | 75.72% | 9.424% |
| 15 | 5.878 | 1476 | 1489 | 1508 | rBV | 103564 | 204378 | 55.61% | 6.920% |
| 16 | 6.324 | 1615 | 1628 | 1648 | rBV2 | 69389 | 137293 | 37.35% | 4.649% |
| 17 | 7.222 | 1895 | 1907 | 1920 | rBV2 | 34512 | 61737 | 16.80% | 2.090% |
| 18 | 7.559 | 1997 | 2012 | 2029 | rBV | 122353 | 214367 | 58.32% | 7.259% |
| 19 | 7.845 | 2091 | 2101 | 2116 | rBV | 21718 | 37618 | 10.24% | 1.274% |
| 20 | 8.170 | 2191 | 2202 | 2207 | rBV2 | 3601 | 6164 | 1.68% | 0.209% |
| 21 | 8.222 | 2207 | 2218 | 2234 | rVB | 111488 | 190655 | 51.87% | 6.456% |
| 22 | 8.308 | 2234 | 2245 | 2276 | rBV | 194571 | 367539 | 100.00% | 12.445% |
| 23 | 9.083 | 2474 | 2486 | 2506 | rBV | 158954 | 265451 | 72.22% | 8.988% |
| 24 | 10.427 | 2893 | 2904 | 2918 | rBV | 61625 | 97866 | 26.63% | 3.314% |
| 25 | 10.604 | 2946 | 2959 | 2973 | rBV2 | 9356 | 17126 | 4.66% | 0.580% |
| 26 | 11.479 | 3219 | 3231 | 3252 | rBV | 160197 | 264712 | 72.02% | 8.963% |
| 27 | 11.855 | 3337 | 3348 | 3371 | rBV | 138534 | 227791 | 61.98% | 7.713% |
| 28 | 12.479 | 3532 | 3542 | 3552 | rBV | 2764 | 4899 | 1.33% | 0.166% |
| 29 | 14.279 | 4091 | 4102 | 4109 | rBV2 | 3042 | 5068 | 1.38% | 0.172% |

Sum of corrected areas: 2953260

LSC Report - Integrated Chromatogram

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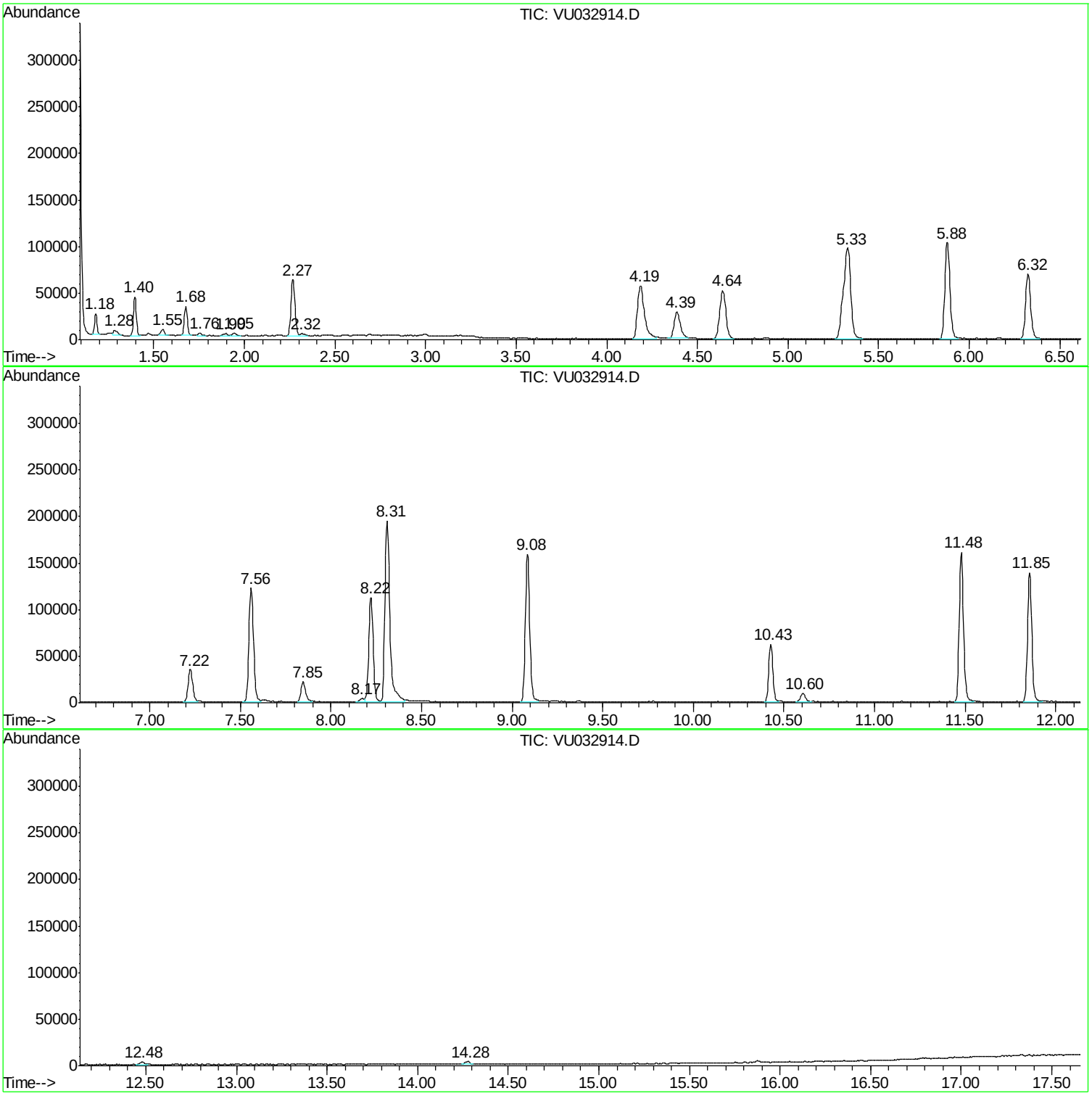
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

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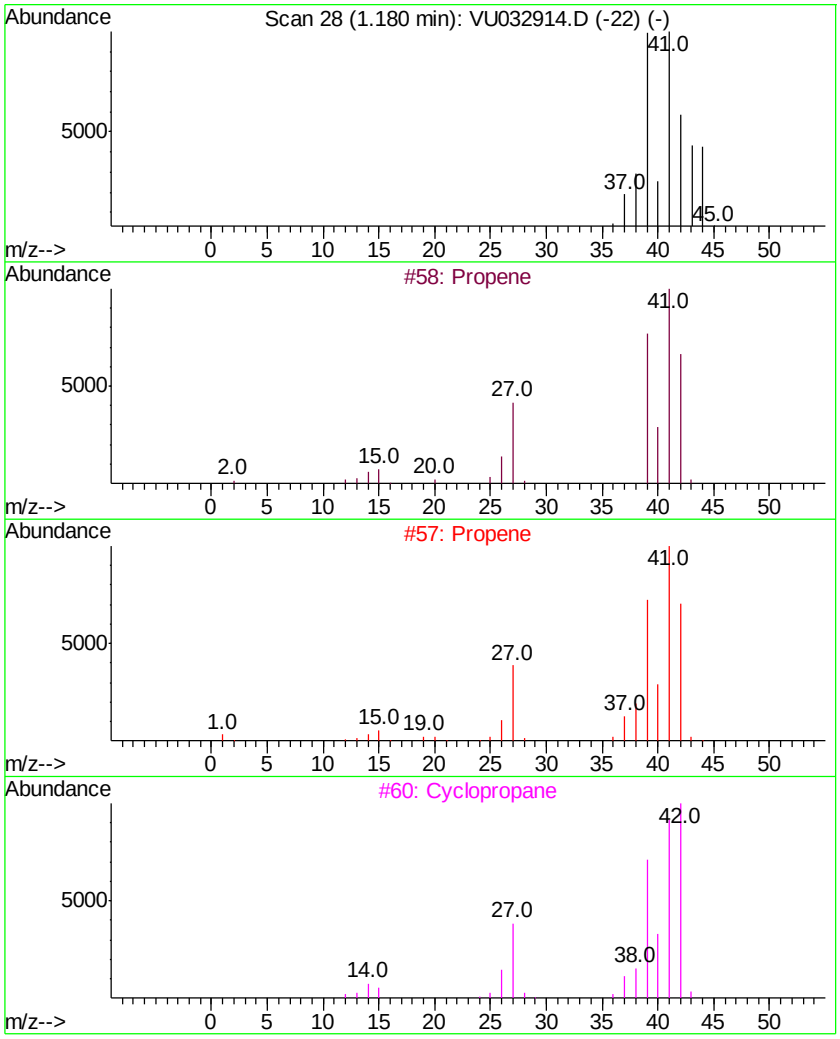
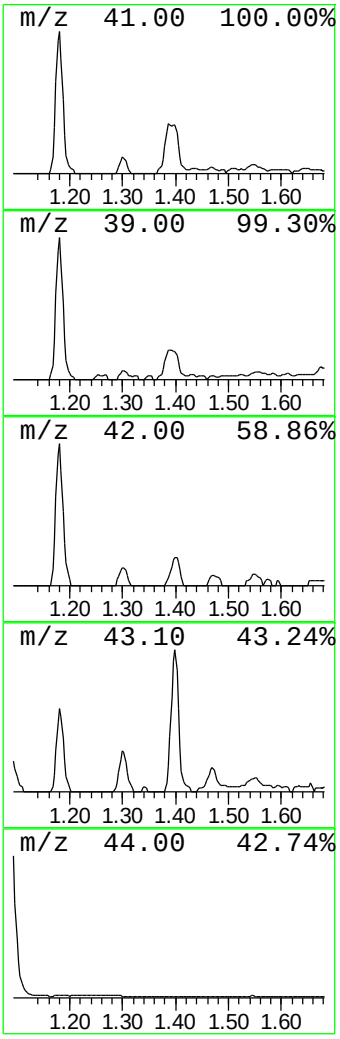
**********

Peak Number 1 (DEL) Alkane: Cyclic1.18 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.18 | 0.51 ug/L | 20995 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propene | 42 | C3H6 | 000115-07-1 | 40 |
| 2 | Propene | 42 | C3H6 | 000115-07-1 | 9 |
| 3 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |
| 4 | Cyclopropane | 42 | C3H6 | 000075-19-4 | 4 |
| 5 | Cyclopropene | 40 | C3H4 | 002781-85-3 | 4 |



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Quant Title : TRACE VOA SOM01.0

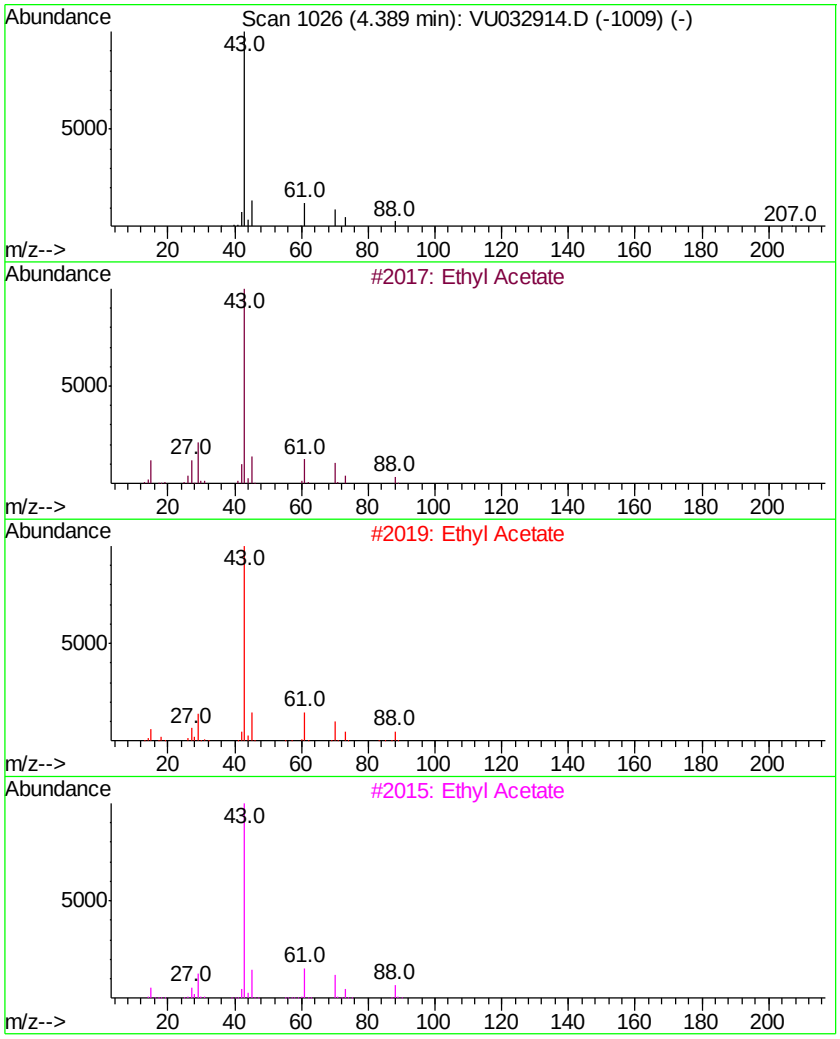
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

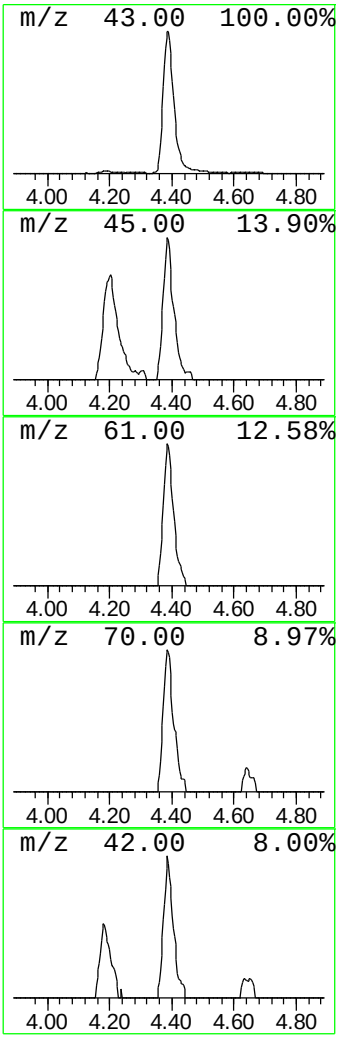
**********

Peak Number 2 Ethyl Acetate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.39 | 1.66 ug/L | 67730 | 1,4-Difluorobenzene | 5.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 2 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 78 |
| 3 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 74 |
| 4 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 72 |
| 5 | CH3C(O)CH2CH2OH | 88 | C4H8O2 | 000590-90-9 | 36 |



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 |
| (DEL) Alkane: Cyc... | 1.18 | 0.5 | ug/L | 20995 | 1 | 5.88 | 204378 | 5.0 |
| Ethyl Acetate | 4.39 | 1.7 | ug/L | 67730 | 1 | 5.88 | 204378 | 5.0 |