LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103023\
Data File : VY016134.D
Acq On : 30 Oct 2023 15:24
Operator : SY/MD
Sample : 05108-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
1023-A

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_Y\methods\82Y102623S.M
Title : SW846 8260

Signal : TIC: VY016134.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.223 | 61 | 66 | 73 | rVB2 | 6849 | 11446 | 1.56% | 0.255% |
| 2 | 4.716 | 463 | 475 | 490 | rBV | 17107 | 50501 | 6.90% | 1.123% |
| 3 | 4.954 | 500 | 514 | 526 | rBV2 | 4765 | 18702 | 2.55% | 0.416% |
| 4 | 5.747 | 635 | 644 | 655 | rVB3 | 7269 | 21917 | 2.99% | 0.487% |
| 5 | 6.978 | 834 | 846 | 860 | rBV | 23197 | 71932 | 9.82% | 1.600% |
| 6 | 7.716 | 956 | 967 | 973 | rBV | 111368 | 261006 | 35.64% | 5.805% |
| 7 | 7.789 | 973 | 979 | 991 | rVB | 181920 | 408400 | 55.76% | 9.083% |
| 8 | 8.142 | 1024 | 1037 | 1048 | rBV | 107349 | 250757 | 34.24% | 5.577% |
| 9 | 8.691 | 1118 | 1127 | 1140 | rBV | 278914 | 543425 | 74.20% | 12.086% |
| 10 | 10.179 | 1364 | 1371 | 1380 | rBV | 433511 | 732393 | 100.00% | 16.289% |
| 11 | 10.581 | 1431 | 1437 | 1442 | rBV2 | 12182 | 22023 | 3.01% | 0.490% |
| 12 | 10.941 | 1491 | 1496 | 1506 | rBV2 | 10086 | 17503 | 2.39% | 0.389% |
| 13 | 11.489 | 1578 | 1586 | 1600 | rBV | 404306 | 648830 | 88.59% | 14.431% |
| 14 | 12.337 | 1718 | 1725 | 1731 | rBV | 123717 | 198002 | 27.03% | 4.404% |
| 15 | 12.483 | 1742 | 1749 | 1762 | rBV | 334647 | 525410 | 71.74% | 11.686% |
| 16 | 13.343 | 1883 | 1890 | 1897 | rBV | 39779 | 65630 | 8.96% | 1.460% |
| 17 | 13.428 | 1897 | 1904 | 1915 | rVB | 401737 | 618083 | 84.39% | 13.747% |
| 18 | 13.965 | 1987 | 1992 | 1997 | rVB | 9973 | 15380 | 2.10% | 0.342% |
| 19 | 15.318 | 2207 | 2214 | 2221 | rVV3 | 8648 | 14827 | 2.02% | 0.330% |

Sum of corrected areas: 4496167

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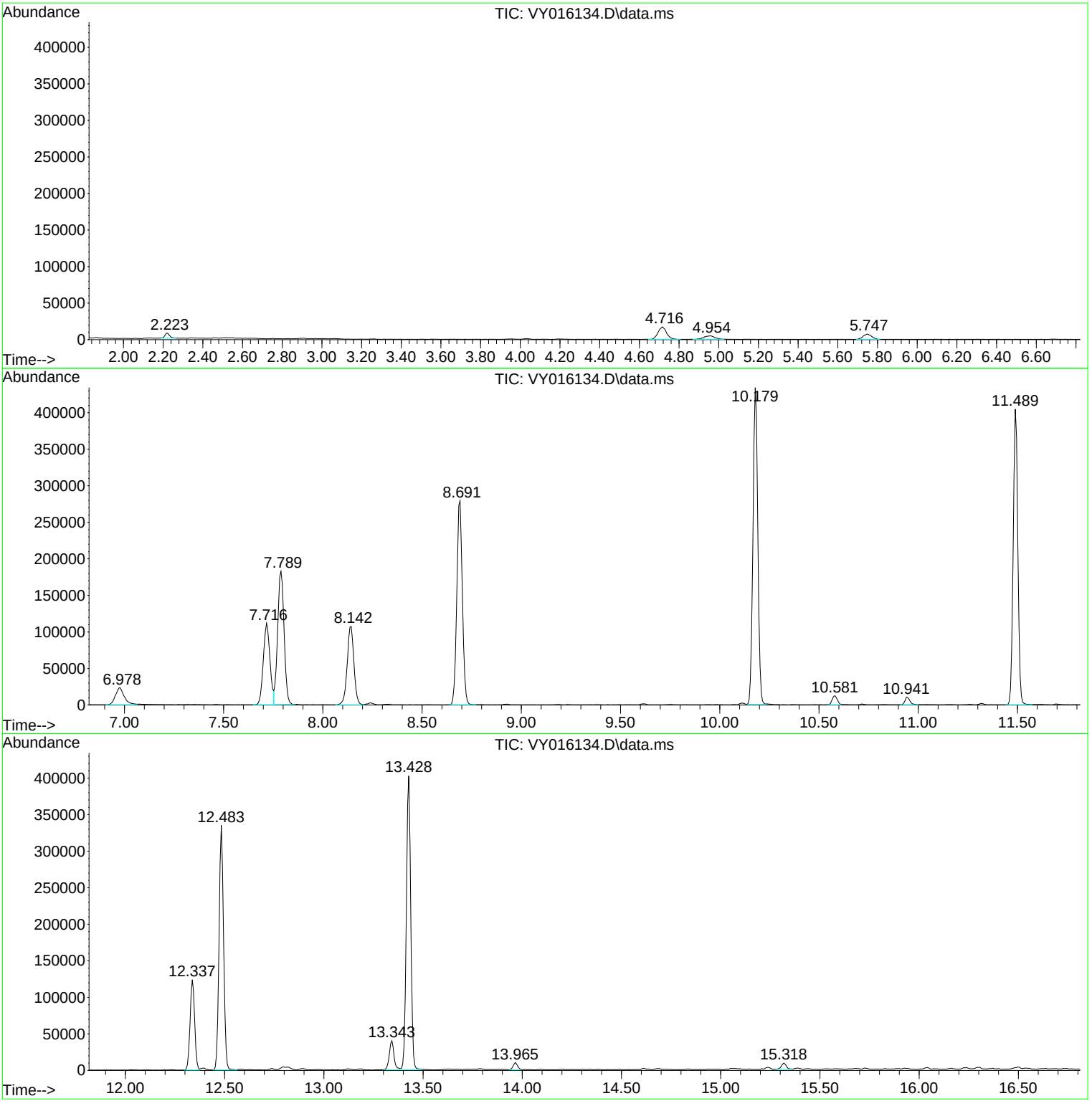
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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



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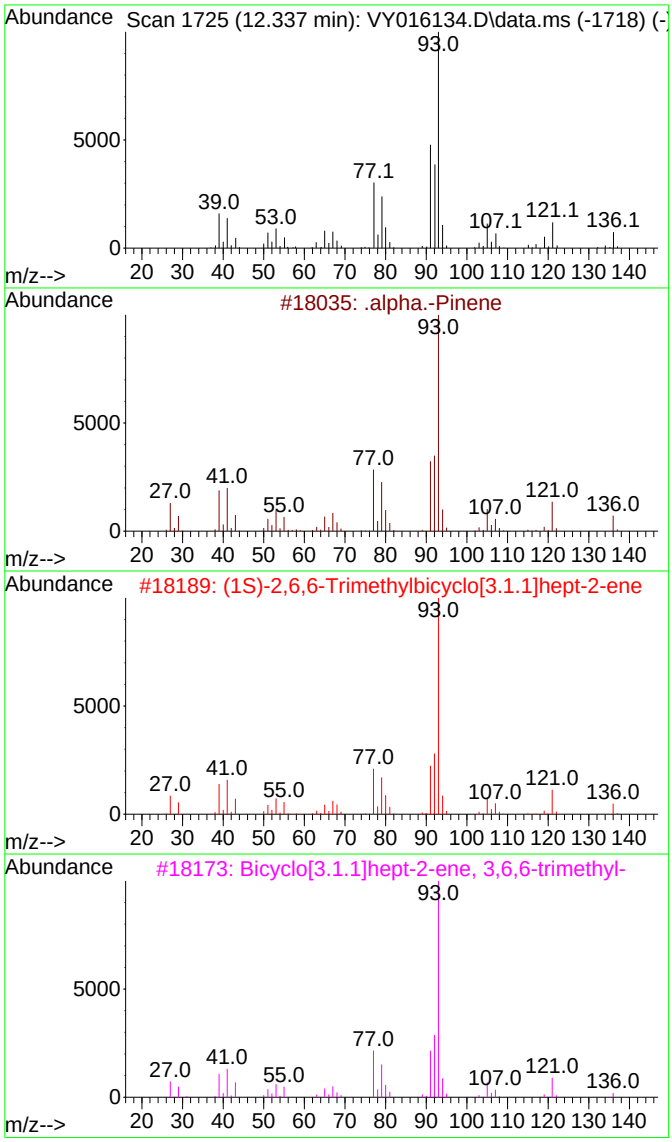
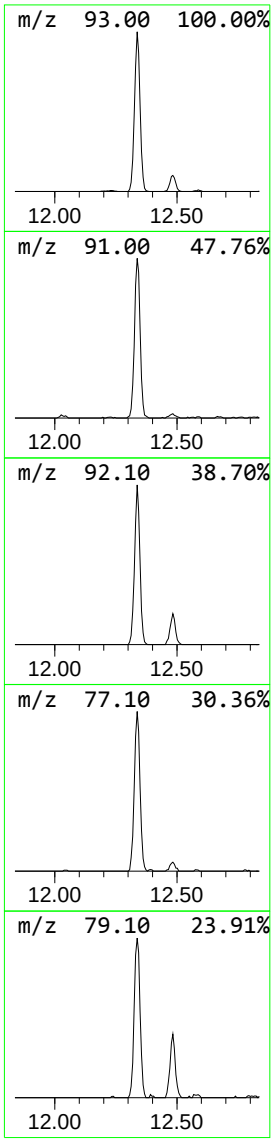
**********
Peak Number 3 .alpha.-Pinene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.337 | 15.26 ug/l | 198002 | Chlorobenzene-d5 | 11.489 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 95 |
| 2 | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-26-4 | 94 |
| 3 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 91 |
| 4 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000488-97-1 | 90 |
| 5 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 90 |



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Quant Title : SW846 8260

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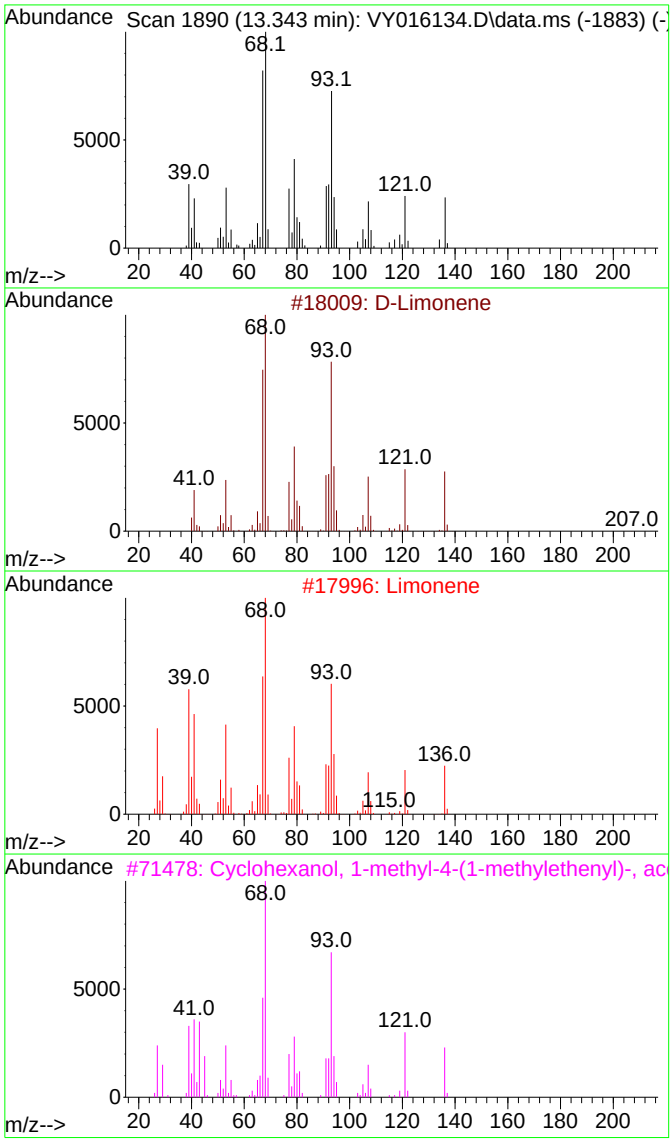
TIC Integration Parameters: LSCINT.P

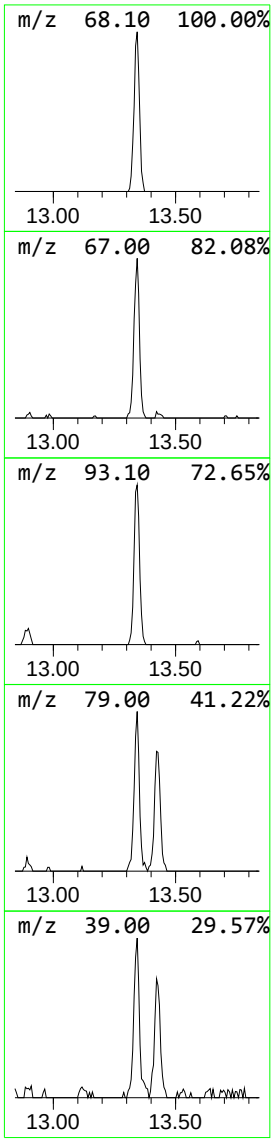
**********

Peak Number 4 D-Limonene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.343 | 5.31 ug/l | 65630 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | D-Limonene | 136 | C10H16 | 005989-27-5 | 97 |
| 2 | Limonene | 136 | C10H16 | 000138-86-3 | 87 |
| 3 | Cyclohexanol, 1-methyl-4-(1-meth... | 196 | C12H20O2 | 010198-23-9 | 80 |
| 4 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 005989-54-8 | 70 |
| 5 | Cyclohexene, 4-ethenyl-1,4-dimet... | 136 | C10H16 | 001743-61-9 | 58 |



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 |
| .alpha.-Pinene | 12.337 | 15.3 | ug/l | 198002 | 3 | 11.489 | 648830 | 50.0 |
| D-Limonene | 13.343 | 5.3 | ug/l | 65630 | 4 | 13.428 | 618083 | 50.0 |