LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
Data File : VY014777.D
Acq On : 24 Jul 2023 17:06
Operator : SY/MD
Sample : 03719-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
B-P11A

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\82Y071323S.M
Title : SW846 8260

Signal : TIC: VY014777.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.125 | 44 | 50 | 52 | rBV3 | 2464 | 5083 | 3.76% | 0.635% |
| 2 | 2.656 | 132 | 137 | 138 | rBV4 | 939 | 1837 | 1.36% | 0.230% |
| 3 | 4.716 | 464 | 475 | 480 | rBV4 | 2702 | 7628 | 5.65% | 0.953% |
| 4 | 5.734 | 636 | 642 | 644 | rBV4 | 2213 | 4285 | 3.17% | 0.536% |
| 5 | 6.972 | 838 | 845 | 856 | rBV | 5199 | 15912 | 11.78% | 1.989% |
| 6 | 7.716 | 956 | 967 | 972 | rBV2 | 17130 | 40812 | 30.21% | 5.101% |
| 7 | 7.783 | 972 | 978 | 991 | rVB | 36155 | 81378 | 60.24% | 10.171% |
| 8 | 8.136 | 1027 | 1036 | 1047 | rBV2 | 17717 | 40750 | 30.16% | 5.093% |
| 9 | 8.685 | 1117 | 1126 | 1135 | rBV | 51909 | 101762 | 75.33% | 12.719% |
| 10 | 10.179 | 1363 | 1371 | 1381 | rBV | 73791 | 135097 | 100.00% | 16.886% |
| 11 | 10.581 | 1429 | 1437 | 1443 | rBV3 | 2348 | 5386 | 3.99% | 0.673% |
| 12 | 10.941 | 1493 | 1496 | 1503 | rVB5 | 1734 | 2819 | 2.09% | 0.352% |
| 13 | 11.489 | 1578 | 1586 | 1597 | rBV | 67689 | 110568 | 81.84% | 13.820% |
| 14 | 11.593 | 1598 | 1603 | 1606 | rVB4 | 1072 | 1485 | 1.10% | 0.186% |
| 15 | 11.867 | 1644 | 1648 | 1652 | rBV3 | 3644 | 5243 | 3.88% | 0.655% |
| 16 | 12.331 | 1718 | 1724 | 1730 | rBV | 7831 | 13463 | 9.97% | 1.683% |
| 17 | 12.477 | 1742 | 1748 | 1755 | rBV2 | 50048 | 86141 | 63.76% | 10.767% |
| 18 | 12.544 | 1755 | 1759 | 1761 | rVV4 | 2798 | 4590 | 3.40% | 0.574% |
| 19 | 12.581 | 1761 | 1765 | 1770 | rVB2 | 9326 | 14934 | 11.05% | 1.867% |
| 20 | 12.886 | 1808 | 1815 | 1820 | rBV7 | 2234 | 4903 | 3.63% | 0.613% |
| 21 | 13.422 | 1896 | 1903 | 1910 | rBV | 58116 | 92509 | 68.48% | 11.563% |
| 22 | 13.483 | 1910 | 1913 | 1918 | rVB5 | 1161 | 1802 | 1.33% | 0.225% |
| 23 | 14.727 | 2106 | 2117 | 2118 | rBV3 | 3160 | 6964 | 5.15% | 0.870% |
| 24 | 14.757 | 2118 | 2122 | 2127 | rVB3 | 7404 | 12487 | 9.24% | 1.561% |
| 25 | 15.312 | 2207 | 2213 | 2217 | rBV3 | 1283 | 2221 | 1.64% | 0.278% |

Sum of corrected areas: 800059

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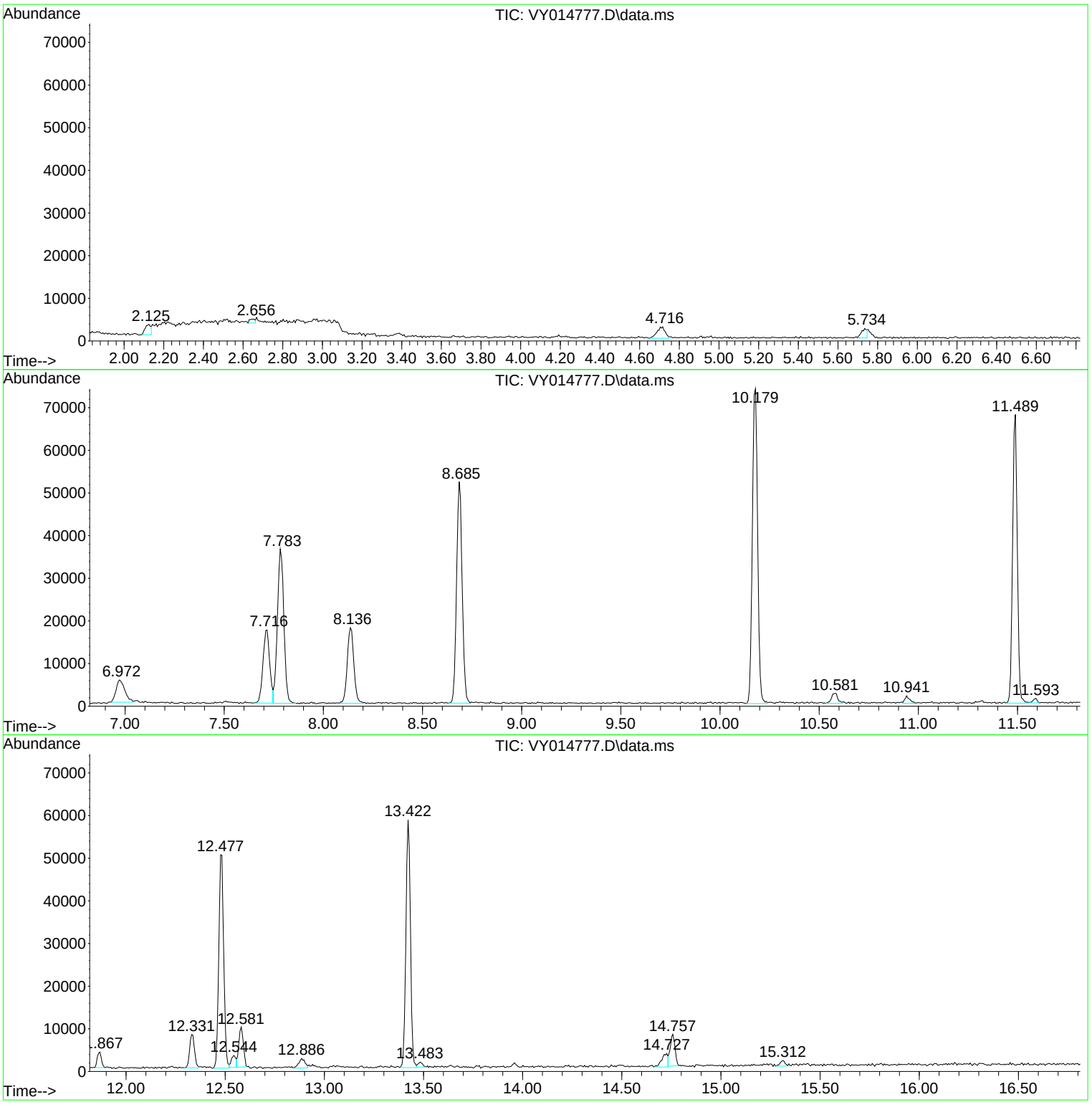
**ClientSampleId :**
B-P11A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

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



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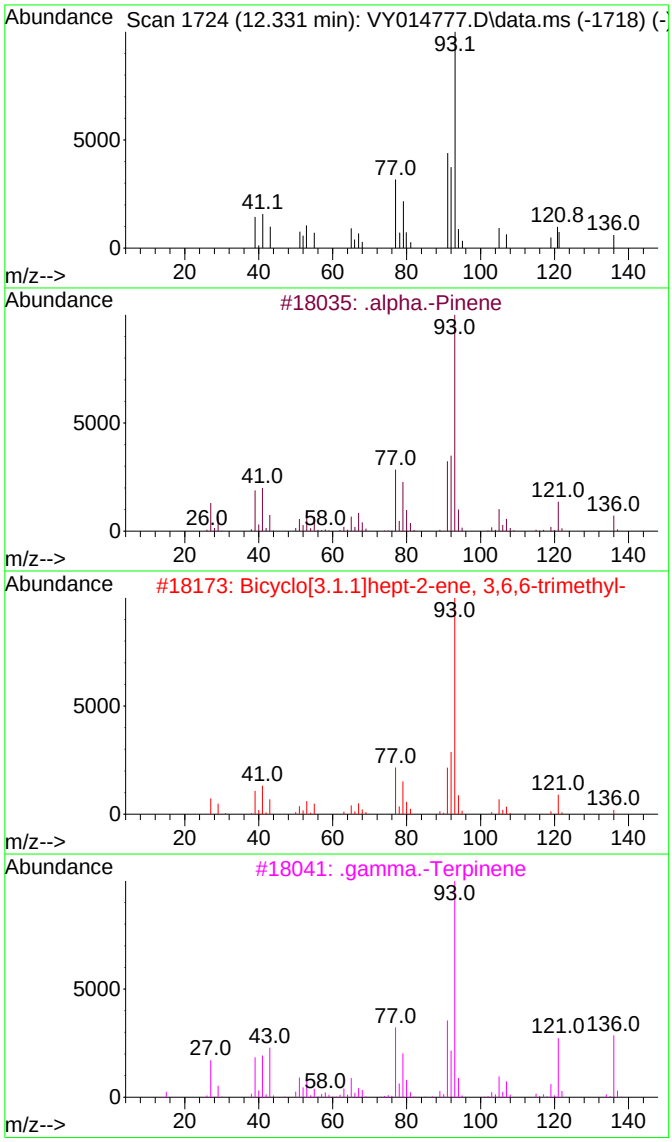
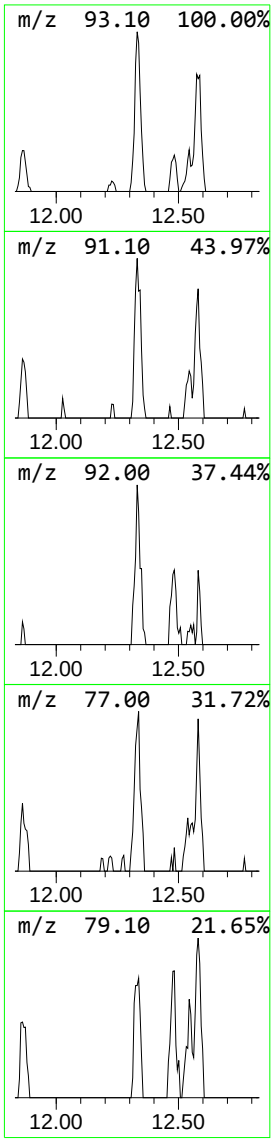
**********

Peak Number 2 .alpha.-Pinene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.331 | 6.09 ug/l | 13463 | Chlorobenzene-d5 | 11.489 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 91 |
| 2 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 91 |
| 3 | .gamma.-Terpinene | 136 | C10H16 | 000099-85-4 | 91 |
| 4 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 86 |
| 5 | trans-.beta.-Ocimene | 136 | C10H16 | 003779-61-1 | 80 |



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**Instrument :**
MSVOA_Y
**ClientSampleId :**
B-P11A

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Quant Title : SW846 8260

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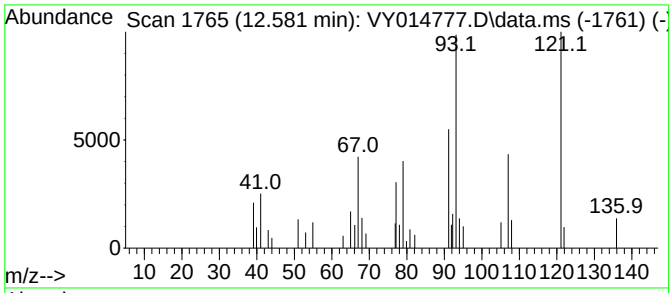
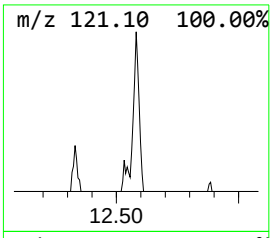
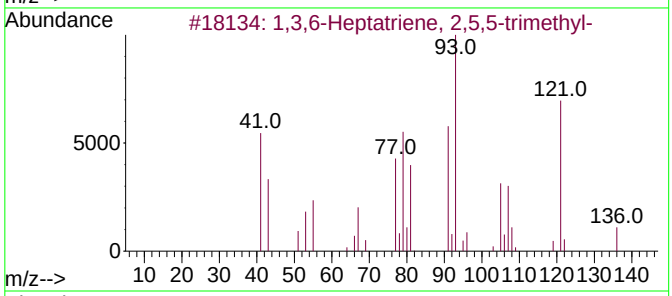
**********
Peak Number 3 1,3,6-Heptatriene, 2,5,5-tr... Concentration Rank 2

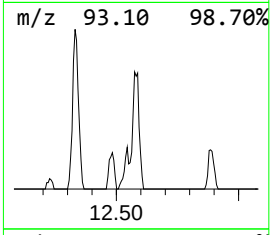
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.581 | 8.07 ug/l | 14934 | 1,4-Dichlorobenzene-d4 | 13.428 |

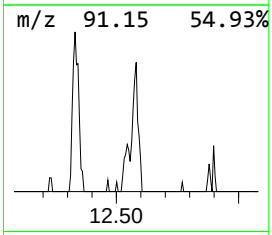
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3,6-Heptatriene, 2,5,5-trimethyl- | 136 | C10H16 | 029548-02-5 | 68 |
| 2 | Benzenemethanol, .alpha.,4-dimet... | 136 | C9H12O | 000536-50-5 | 52 |
| 3 | Camphene | 136 | C10H16 | 000079-92-5 | 52 |
| 4 | Formamide, N-phenyl- | 121 | C7H7NO | 000103-70-8 | 46 |
| 5 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 38 |

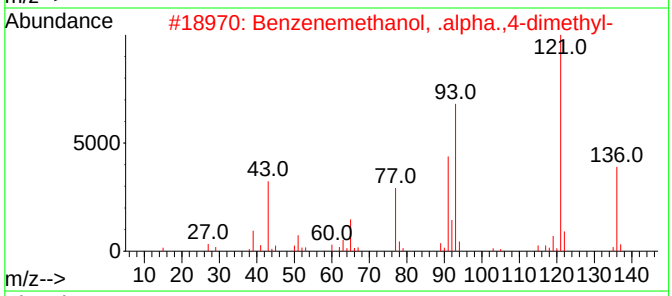


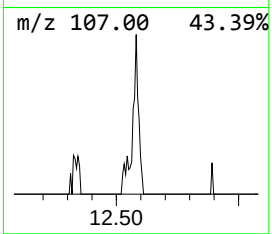



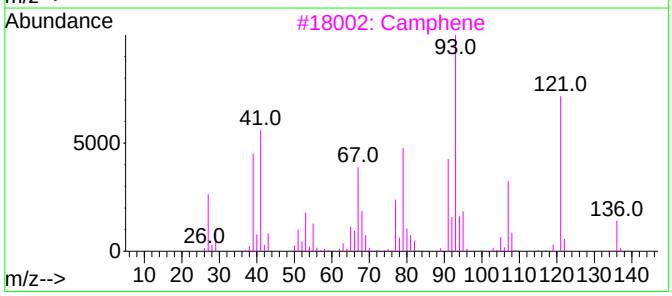



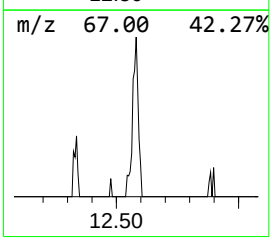



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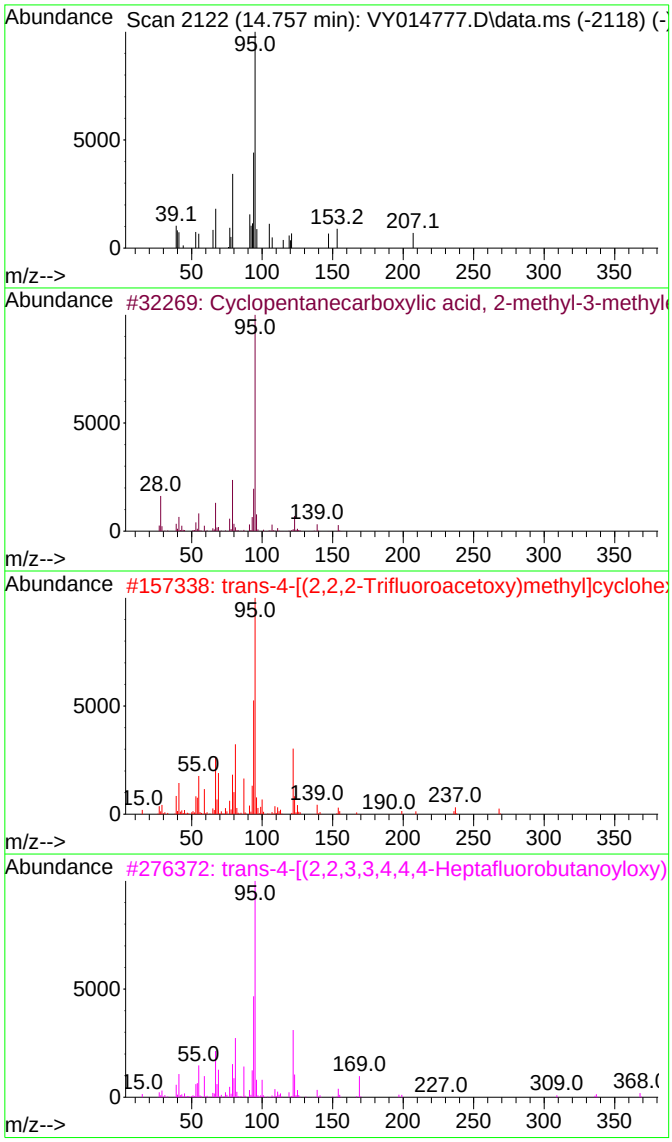
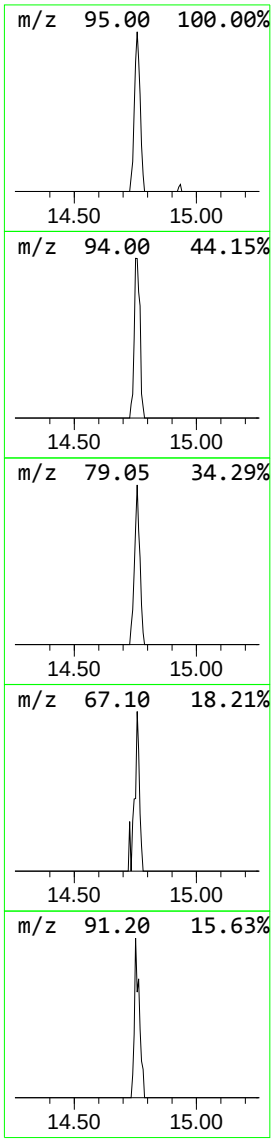
**********
Peak Number 4 Cyclopentanecarboxylic acid... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.757 | 6.75 ug/l | 12487 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentanecarboxylic acid, 2-m... | 154 | C9H14O2 | 074764-25-3 | 50 |
| 2 | trans-4-[(2,2,2-Trifluoroacetoxy... | 268 | C11H15F3O4 | 1000384-25-8 | 42 |
| 3 | trans-4-[(2,2,3,3,4,4,4-Heptaflu... | 368 | C13H15F7O4 | 1000384-25-3 | 42 |
| 4 | Cycloheptane, 1-bromo-3-iodo- | 302 | C7H12BrI | 1000337-09-9 | 38 |
| 5 | Cycloheptane, 1,3-dichloro-, trans- | 166 | C7H12Cl2 | 032616-84-5 | 38 |



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 | 12.331 | 6.1 | ug/l | 13463 | 3 | 11.489 | 110568 | 50.0 |
| 1,3,6-Heptatrie... | 12.581 | 8.1 | ug/l | 14934 | 4 | 13.428 | 92509 | 50.0 |
| Cyclopentanecar... | 14.757 | 6.8 | ug/l | 12487 | 4 | 13.428 | 92509 | 50.0 |