LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025346.D
Acq On : 12 Jul 2018 17:56
Operator : MD/SY
Sample : J3928-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GROUNDWATER

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_U\Method\82U070918W.M
Title : SW846 8260

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.088 | 137 | 155 | 180 | rBV | 3478593 | 4000980 | 100.00% | 36.747% |
| 2 | 4.387 | 1168 | 1181 | 1200 | rBV2 | 18960 | 47753 | 1.19% | 0.439% |
| 3 | 4.889 | 1320 | 1337 | 1353 | rBV | 176668 | 398325 | 9.96% | 3.658% |
| 4 | 4.985 | 1353 | 1367 | 1391 | rVB | 256372 | 567999 | 14.20% | 5.217% |
| 5 | 5.313 | 1454 | 1469 | 1498 | rBV | 187704 | 398920 | 9.97% | 3.664% |
| 6 | 5.889 | 1635 | 1648 | 1672 | rBV | 359378 | 716079 | 17.90% | 6.577% |
| 7 | 7.567 | 2156 | 2170 | 2187 | rBV | 650422 | 1132665 | 28.31% | 10.403% |
| 8 | 9.091 | 2632 | 2644 | 2669 | rBV | 502531 | 843179 | 21.07% | 7.744% |
| 9 | 10.310 | 3011 | 3023 | 3049 | rBV | 491285 | 794312 | 19.85% | 7.295% |
| 10 | 11.487 | 3377 | 3389 | 3406 | rBV | 560786 | 885211 | 22.12% | 8.130% |
| 11 | 11.574 | 3406 | 3416 | 3431 | rVB | 24676 | 40764 | 1.02% | 0.374% |
| 12 | 11.770 | 3464 | 3477 | 3497 | rVB3 | 77327 | 168003 | 4.20% | 1.543% |
| 13 | 12.358 | 3649 | 3660 | 3680 | rBV2 | 32209 | 59683 | 1.49% | 0.548% |
| 14 | 13.127 | 3887 | 3899 | 3910 | rVB3 | 80780 | 126727 | 3.17% | 1.164% |
| 15 | 13.371 | 3965 | 3975 | 3983 | rBV3 | 31069 | 48138 | 1.20% | 0.442% |
| 16 | 13.519 | 4010 | 4021 | 4033 | rBV4 | 126249 | 235055 | 5.87% | 2.159% |
| 17 | 13.612 | 4045 | 4050 | 4067 | rVB2 | 46466 | 78747 | 1.97% | 0.723% |
| 18 | 14.155 | 4208 | 4219 | 4234 | rBV2 | 23498 | 43158 | 1.08% | 0.396% |
| 19 | 14.336 | 4264 | 4275 | 4285 | rBV | 52431 | 90241 | 2.26% | 0.829% |
| 20 | 14.480 | 4311 | 4320 | 4329 | rVB2 | 27641 | 42251 | 1.06% | 0.388% |
| 21 | 14.545 | 4329 | 4340 | 4352 | rVB5 | 40110 | 76626 | 1.92% | 0.704% |
| 22 | 14.692 | 4370 | 4386 | 4398 | rBV6 | 22396 | 51273 | 1.28% | 0.471% |
| 23 | 15.593 | 4651 | 4666 | 4682 | rVB3 | 22420 | 41964 | 1.05% | 0.385% |

Sum of corrected areas: 10888053

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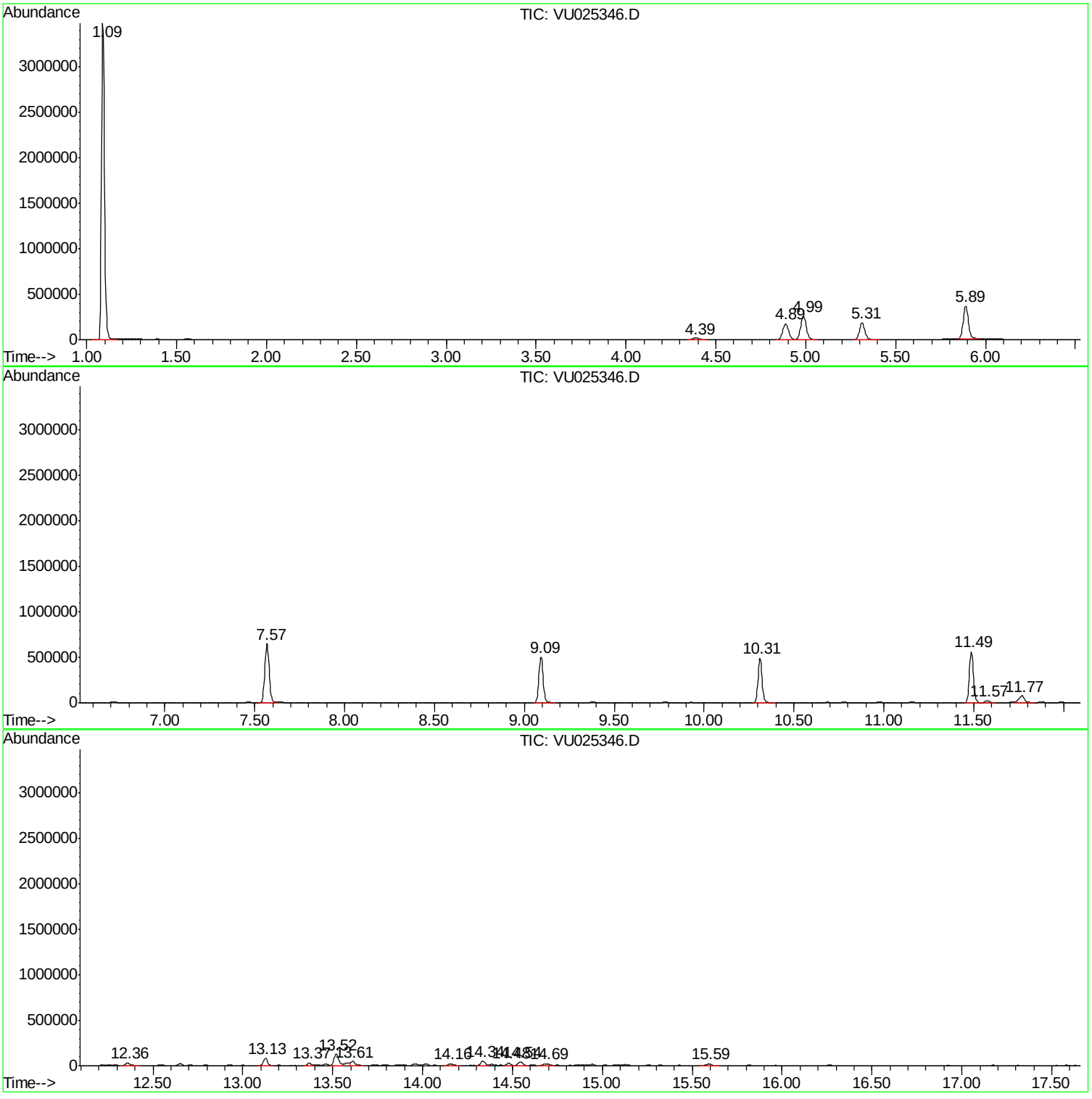
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
GROUNDWATER

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071218\
Data File : VU025346.D
Acq On : 12 Jul 2018 17:56
Operator : MD/SY
Sample : J3928-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GROUNDWATER

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260

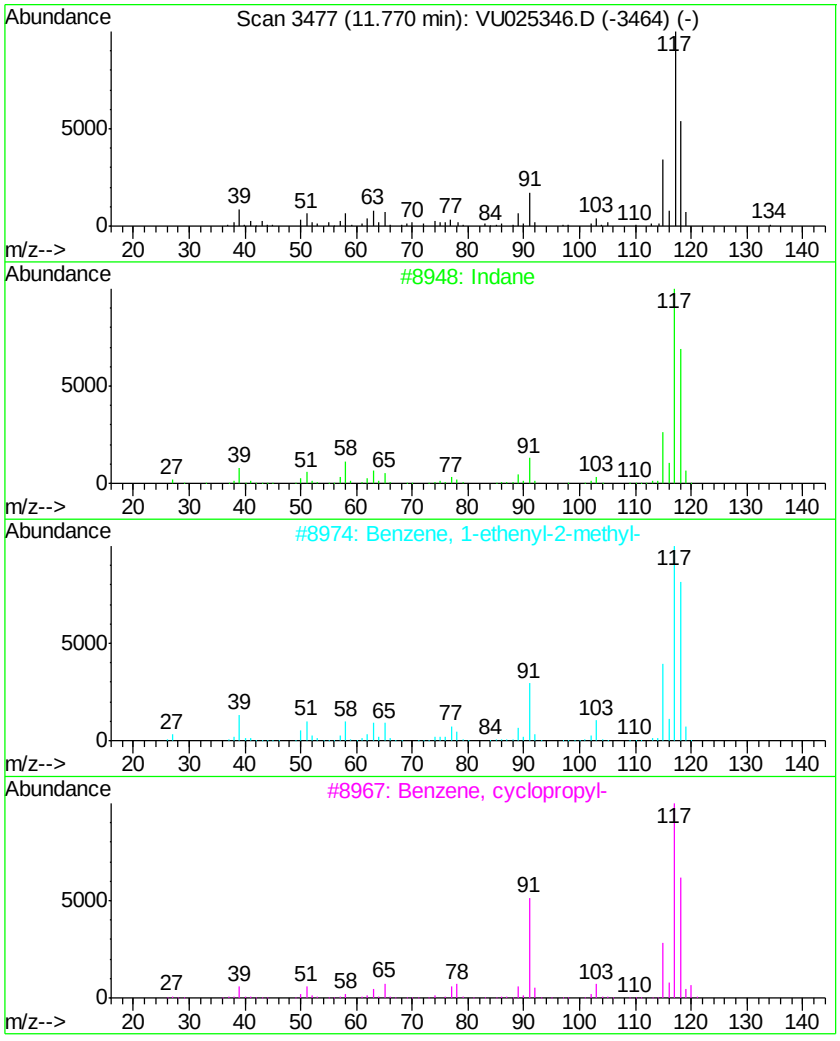
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

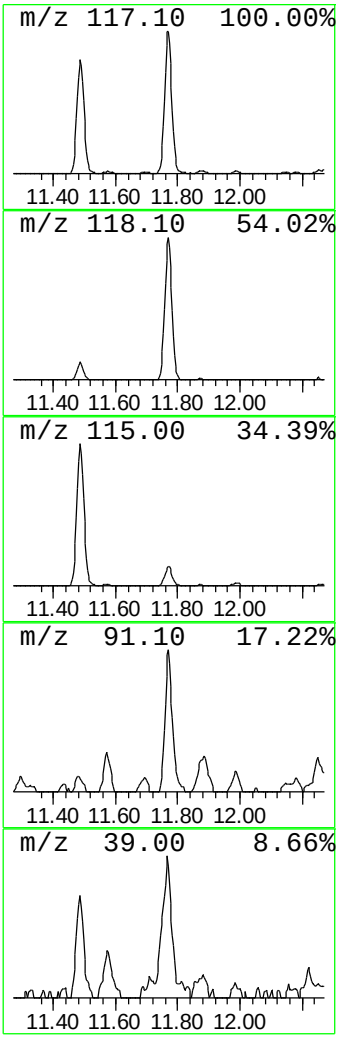
**********

Peak Number 2 Indane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 9.49 ug/l | 168003 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 94 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 78 |
| 3 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 74 |
| 4 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 74 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 74 |



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Data File : VU025346.D
Acq On : 12 Jul 2018 17:56
Operator : MD/SY
Sample : J3928-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GROUNDWATER

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260

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

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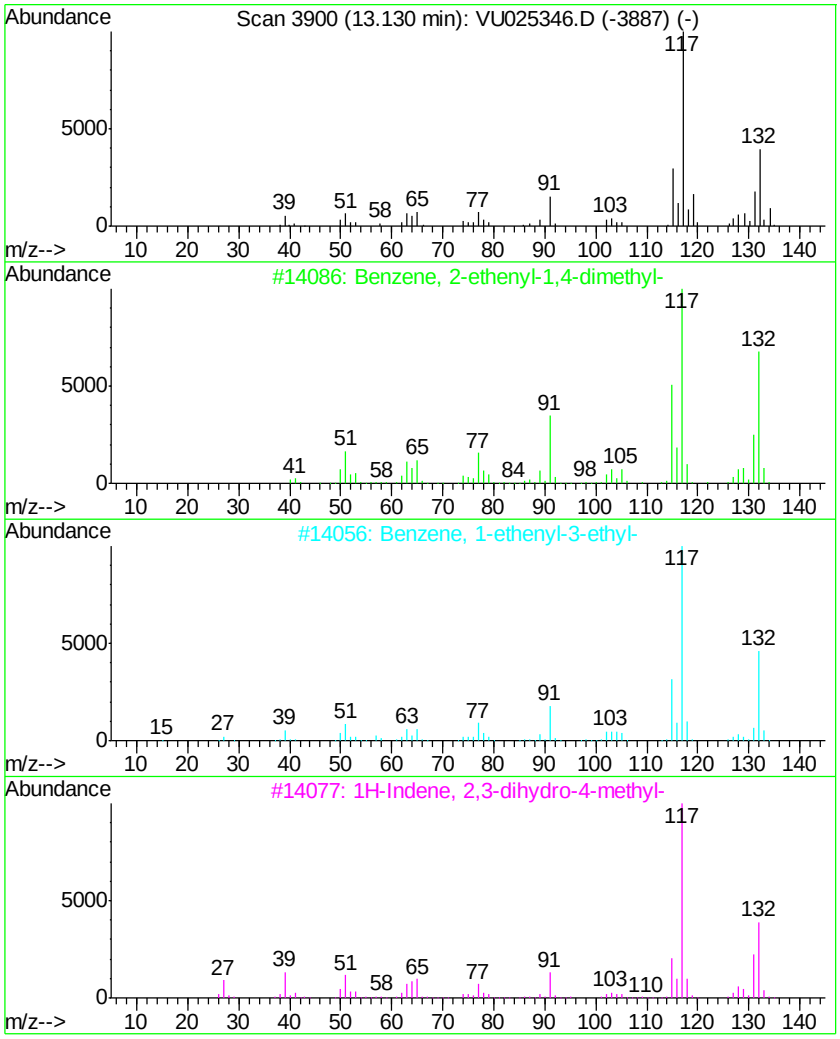
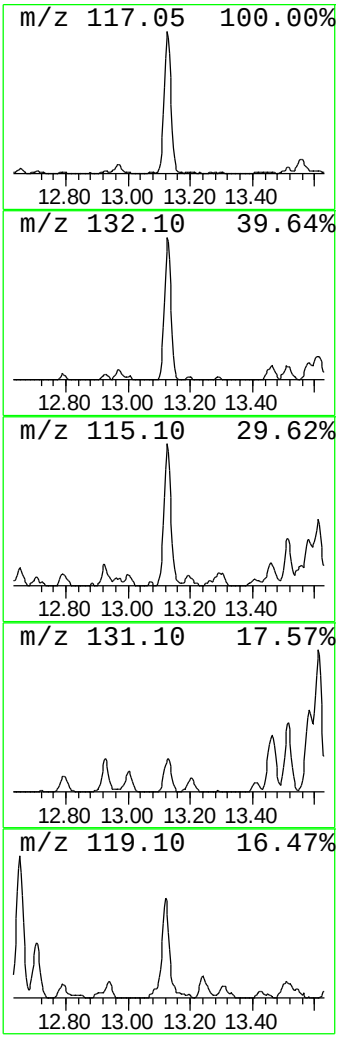
Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.13 | 7.16 ug/l | 126727 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 90 |
| 2 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 76 |
| 3 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 76 |
| 4 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 74 |
| 5 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 74 |



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Acq On : 12 Jul 2018 17:56
Operator : MD/SY
Sample : J3928-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GROUNDWATER

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260

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

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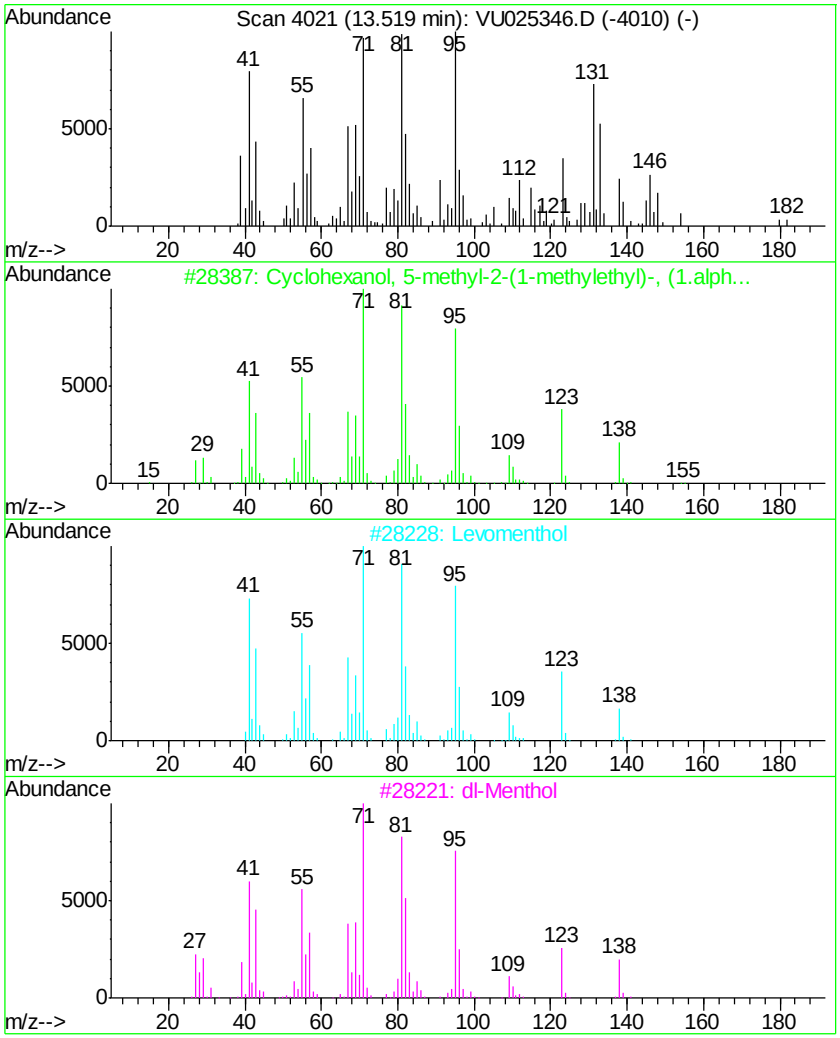
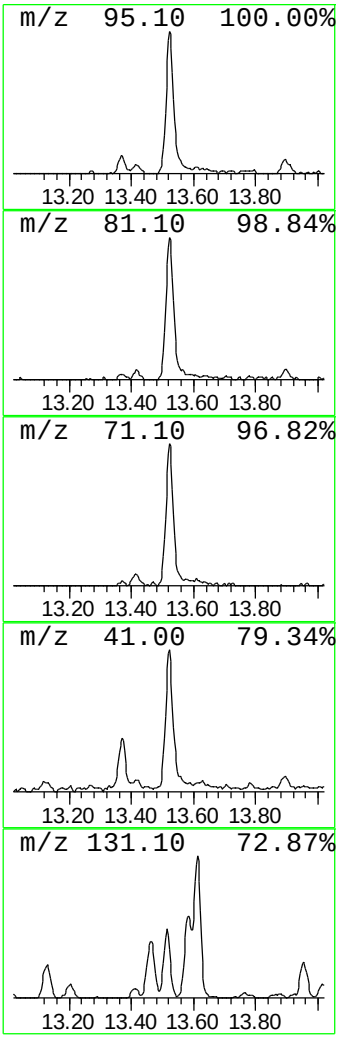
Peak Number 4 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.52 | 13.28 ug/l | 235055 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 015356-70-4 | 70 |
| 2 | Levomenthol | 156 | C10H20O | 002216-51-5 | 70 |
| 3 | dl-Menthol | 156 | C10H20O | 000089-78-1 | 62 |
| 4 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 002216-52-6 | 62 |
| 5 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 001490-04-6 | 62 |



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ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GROUNDWATER

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260

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

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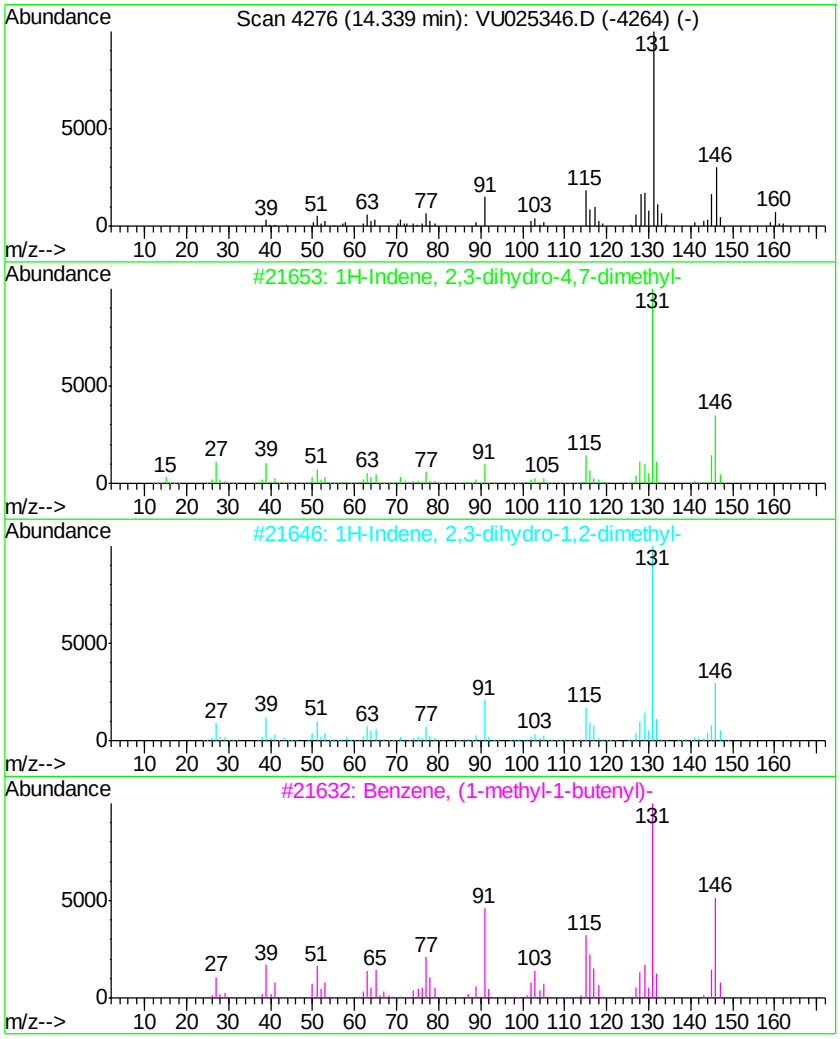
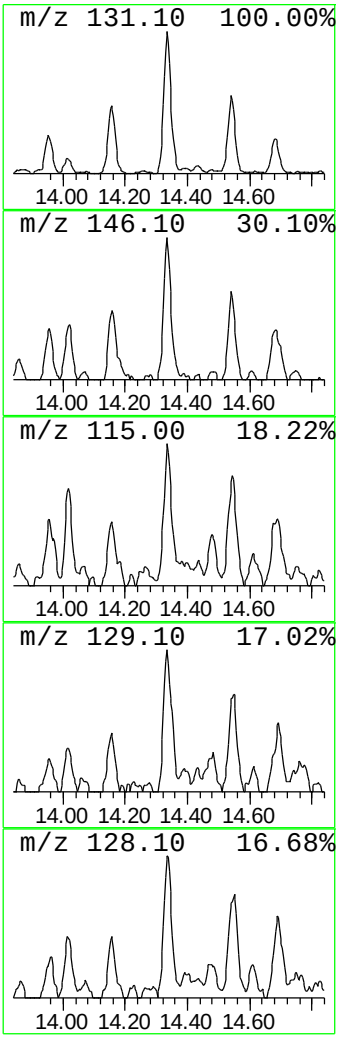
Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 5.10 ug/l | 90241 | 1,4-Dichlorobenzene-d4 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 90 |
| 3 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 90 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 90 |
| 5 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 90 |



Tentatively Identified Compound (LSC) summary

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Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Indane | 11.77 | 9.5 | ug/l | 168003 | 4 | 11.49 | 885211 | 50.0 |
| Benzene, 2-etheny... | 13.13 | 7.2 | ug/l | 126727 | 4 | 11.49 | 885211 | 50.0 |
| Cyclohexanol, 5-m... | 13.52 | 13.3 | ug/l | 235055 | 4 | 11.49 | 885211 | 50.0 |
| 1H-Indene, 2,3-di... | 14.34 | 5.1 | ug/l | 90241 | 4 | 11.49 | 885211 | 50.0 |