LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

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_X\Method\82X072522W.M
Title : SW846 8260

Signal : TIC: VX030322.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.069 | 153 | 161 | 180 | rBV | 1861709 | 2960075 | 35.92% | 11.620% |
| 2 | 2.703 | 258 | 265 | 277 | rBV | 1380859 | 2413010 | 29.28% | 9.472% |
| 3 | 3.117 | 320 | 333 | 350 | rBV | 524252 | 1208298 | 14.66% | 4.743% |
| 4 | 4.721 | 583 | 596 | 615 | rBV | 2922179 | 8239955 | 100.00% | 32.347% |
| 5 | 5.391 | 695 | 706 | 722 | rBV2 | 130393 | 385990 | 4.68% | 1.515% |
| 6 | 5.556 | 722 | 733 | 746 | rVB | 126873 | 352559 | 4.28% | 1.384% |
| 7 | 5.958 | 788 | 799 | 809 | rBV2 | 166364 | 440098 | 5.34% | 1.728% |
| 8 | 6.769 | 921 | 932 | 950 | rBV | 230622 | 585612 | 7.11% | 2.299% |
| 9 | 8.653 | 1234 | 1241 | 1249 | rBV | 672952 | 1034950 | 12.56% | 4.063% |
| 10 | 10.055 | 1465 | 1471 | 1481 | rBV | 506951 | 677323 | 8.22% | 2.659% |
| 11 | 10.305 | 1504 | 1512 | 1519 | rBV | 115077 | 160600 | 1.95% | 0.630% |
| 12 | 11.085 | 1634 | 1640 | 1648 | rBV | 507602 | 652155 | 7.91% | 2.560% |
| 13 | 12.024 | 1788 | 1794 | 1801 | rBV | 641177 | 781489 | 9.48% | 3.068% |
| 14 | 12.244 | 1822 | 1830 | 1838 | rBV3 | 59888 | 109433 | 1.33% | 0.430% |
| 15 | 12.414 | 1853 | 1858 | 1863 | rBV | 199987 | 242332 | 2.94% | 0.951% |
| 16 | 13.426 | 2019 | 2024 | 2029 | rBV2 | 79523 | 100850 | 1.22% | 0.396% |
| 17 | 13.774 | 2074 | 2081 | 2092 | rBV | 2733741 | 3558827 | 43.19% | 13.970% |
| 18 | 14.640 | 2218 | 2223 | 2234 | rVB | 435528 | 529575 | 6.43% | 2.079% |
| 19 | 14.780 | 2240 | 2246 | 2252 | rBV | 473068 | 598283 | 7.26% | 2.349% |
| 20 | 15.207 | 2310 | 2316 | 2322 | rBV | 91688 | 120058 | 1.46% | 0.471% |
| 21 | 15.615 | 2375 | 2383 | 2386 | rBV | 74481 | 120971 | 1.47% | 0.475% |
| 22 | 16.328 | 2492 | 2500 | 2509 | rBV | 109082 | 201563 | 2.45% | 0.791% |

Sum of corrected areas: 25474006

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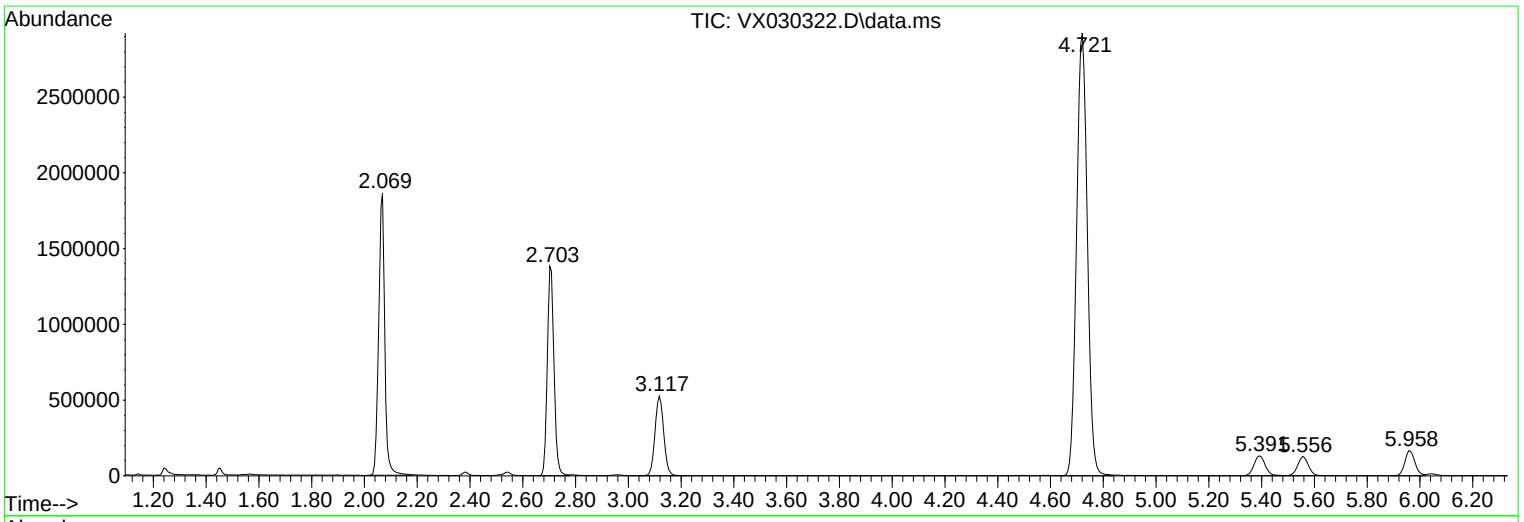
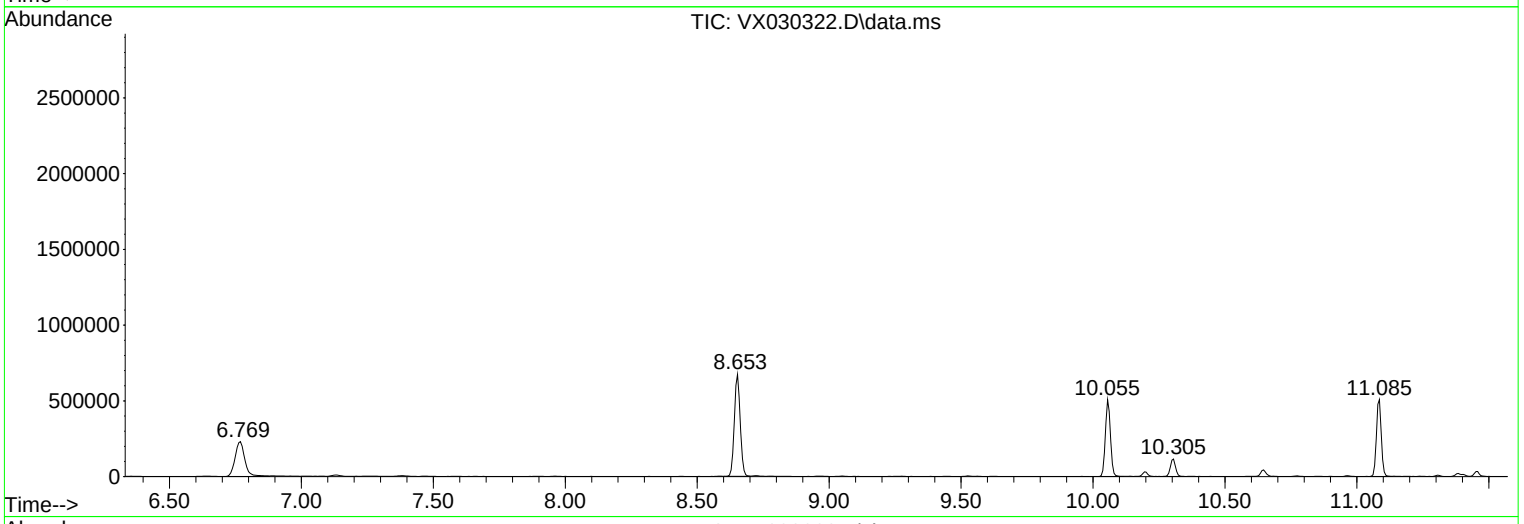
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

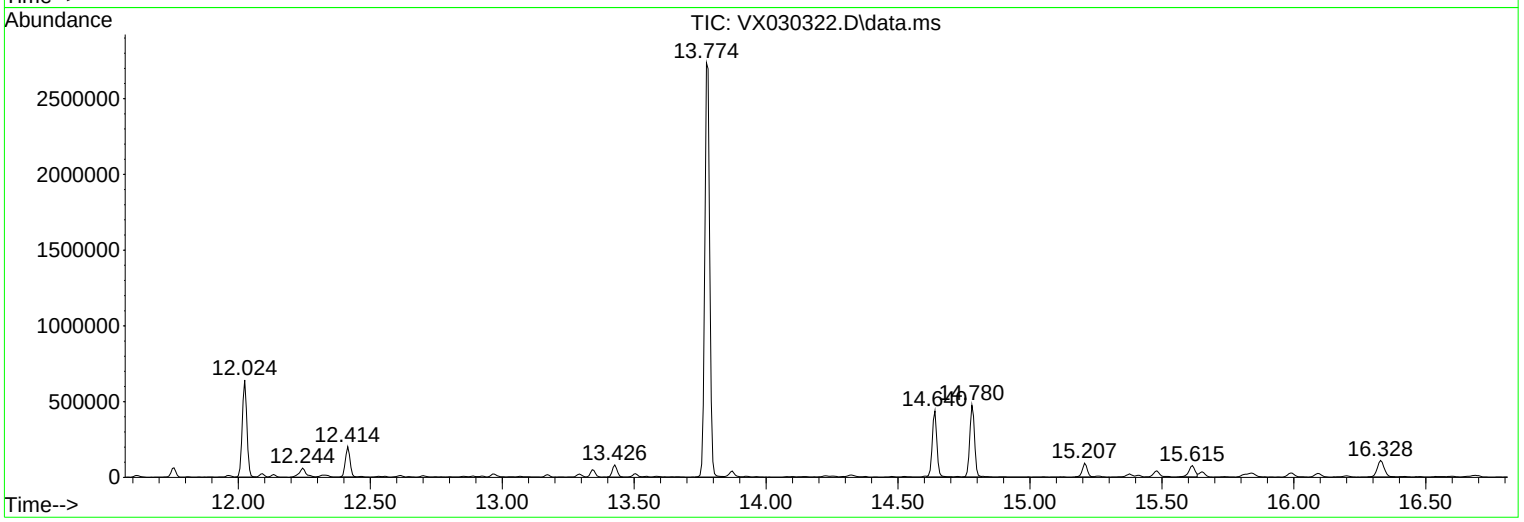
**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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



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Data File : VX030322.D
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Misc : 5.0mL/MSVOA_X/WATER
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**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

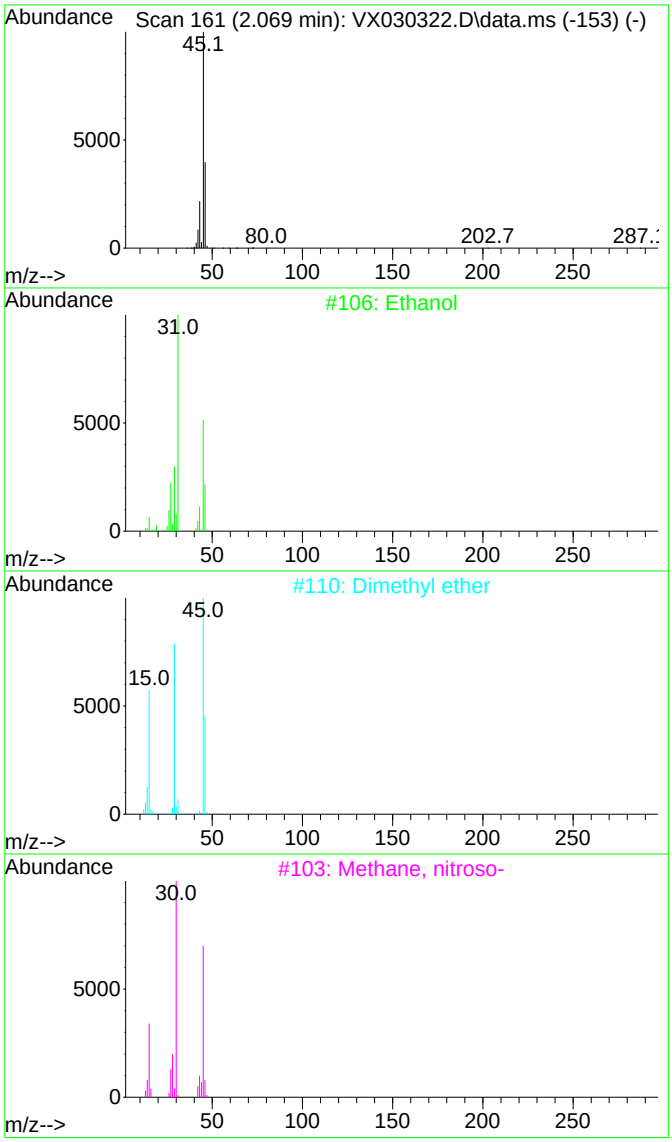
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

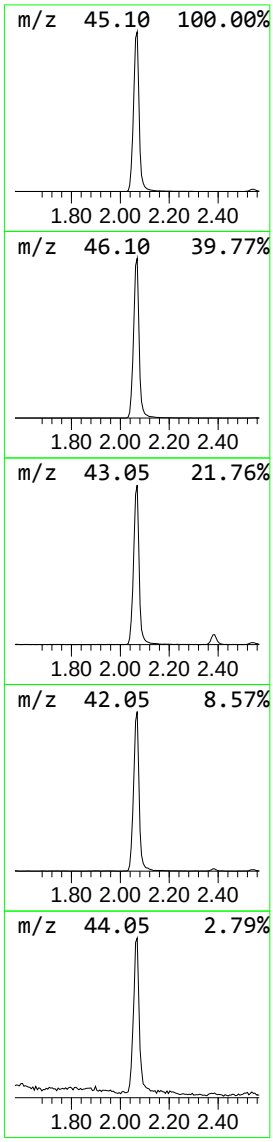
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Ethanol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.069 | 419.80 ug/l | 2960080 | Pentafluorobenzene | 5.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol | 46 | C2H6O | 000064-17-5 | 64 |
| 2 | Dimethyl ether | 46 | C2H6O | 000115-10-6 | 9 |
| 3 | Methane, nitroso- | 45 | CH3NO | 000865-40-7 | 4 |
| 4 | Formic acid | 46 | CH2O2 | 000064-18-6 | 4 |
| 5 | Oxalic acid | 90 | C2H2O4 | 000144-62-7 | 4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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

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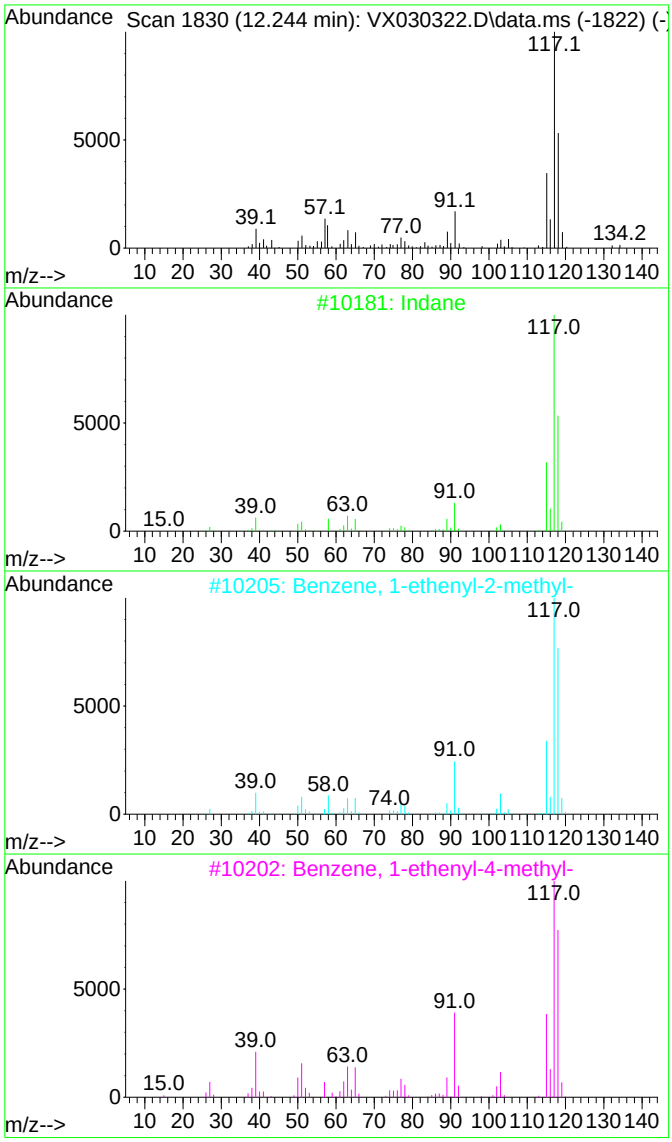
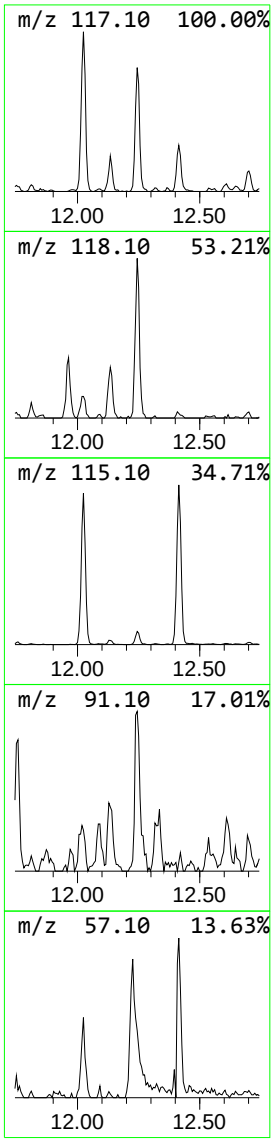
Peak Number 2 Indane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.244 | 7.00 ug/l | 109433 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10 | 000611-15-4 | 76 |
| 3 | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10 | 000622-97-9 | 74 |
| 4 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 72 |
| 5 | 1,3-Methanopentalene, 1,2,3,5-te... | 118 | C9H10 | 128600-88-4 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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

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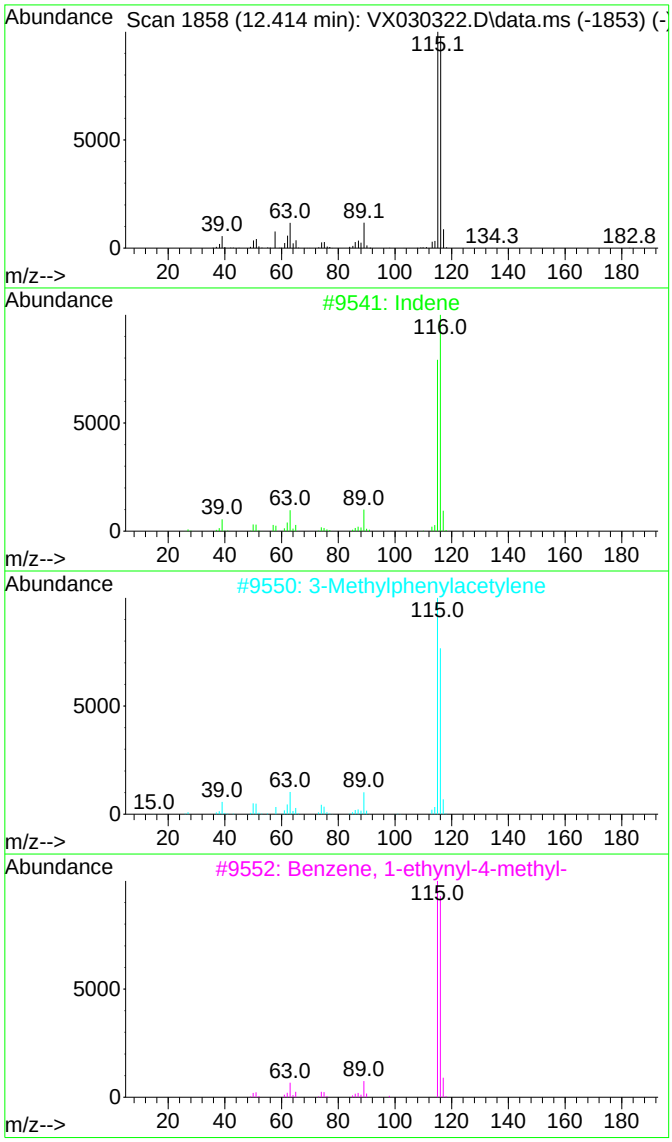
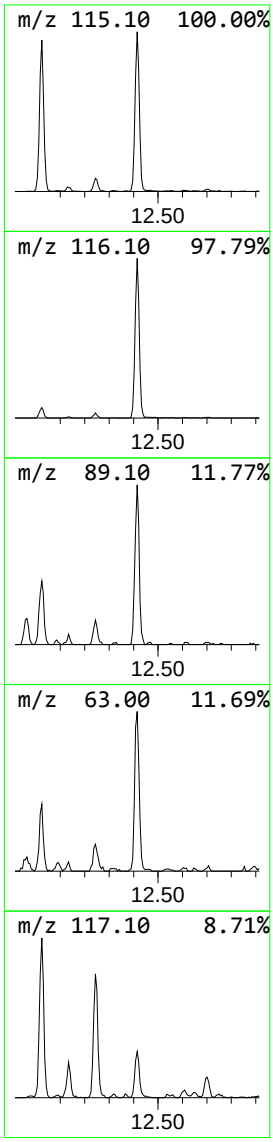
Peak Number 3 Indene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.414 | 15.50 ug/l | 242332 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 3 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 91 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 5 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

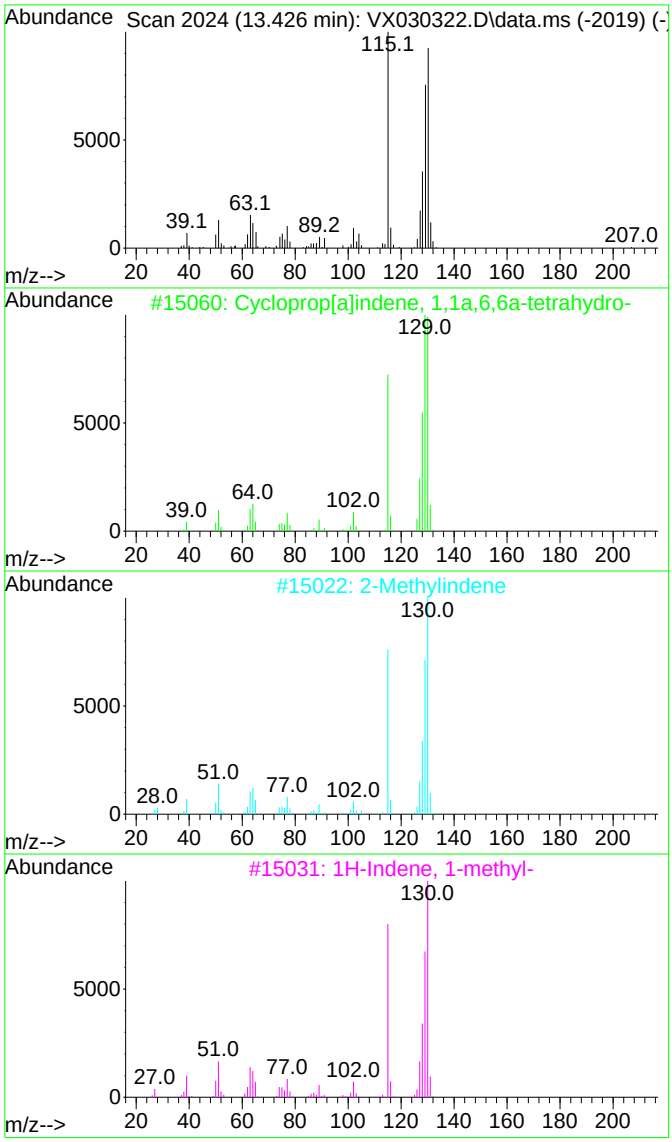
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

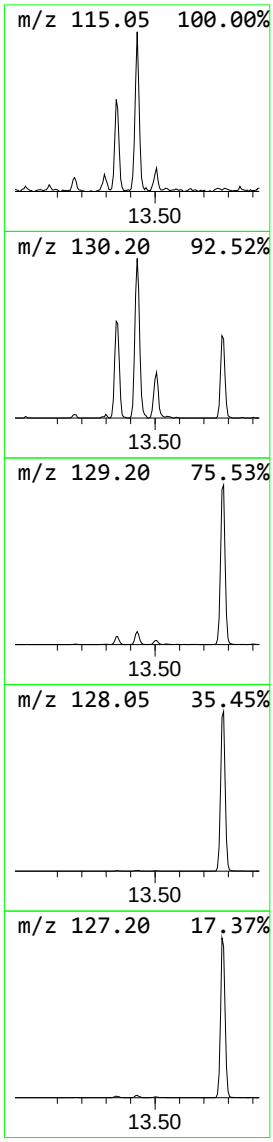
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.426 | 6.45 ug/l | 100850 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10 | 015677-15-3 | 95 |
| 2 | 2-Methylindene | 130 | C10H10 | 002177-47-1 | 95 |
| 3 | 1H-Indene, 1-methyl- | 130 | C10H10 | 000767-59-9 | 94 |
| 4 | 1,4-Dihydronaphthalene | 130 | C10H10 | 000612-17-9 | 93 |
| 5 | 1H-Indene, 3-methyl- | 130 | C10H10 | 000767-60-2 | 93 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

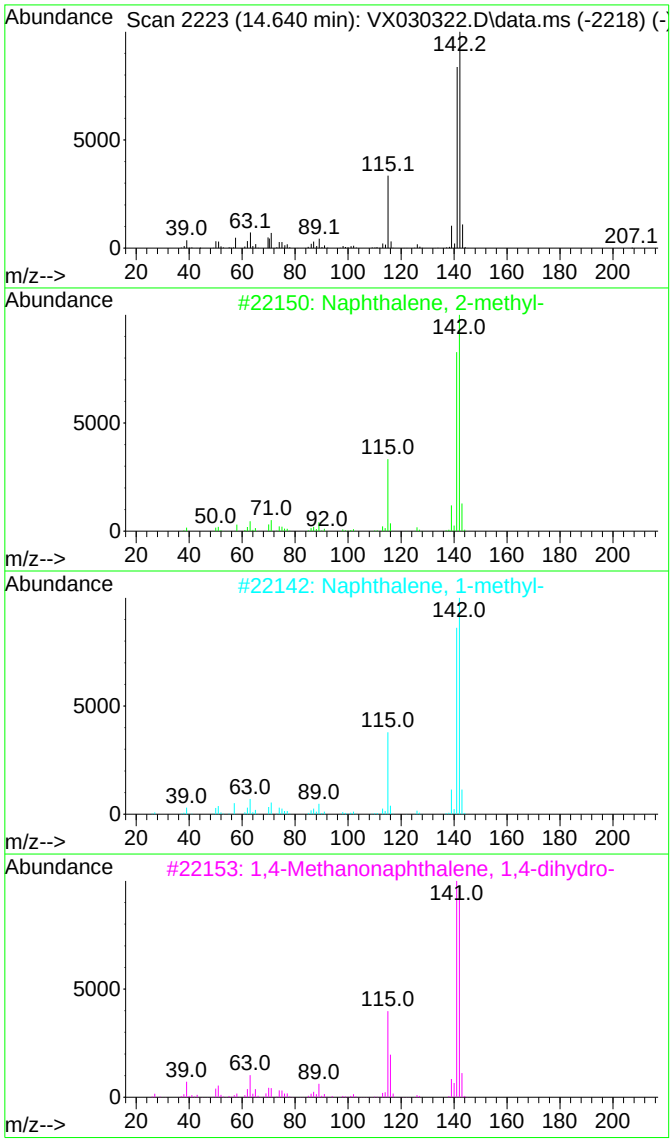
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

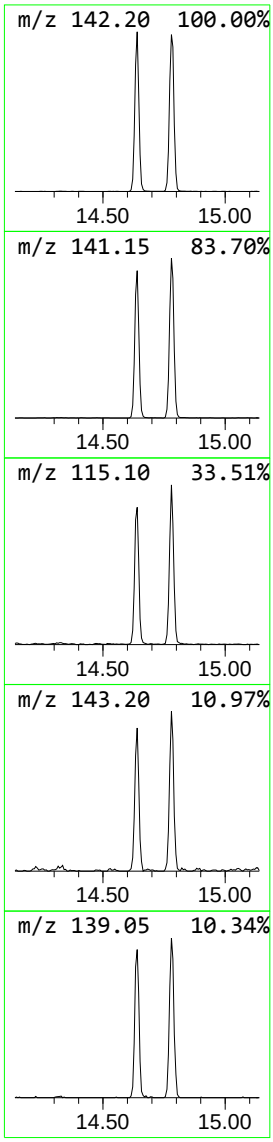
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.640 | 33.88 ug/l | 529575 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 93 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 90 |
| 5 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

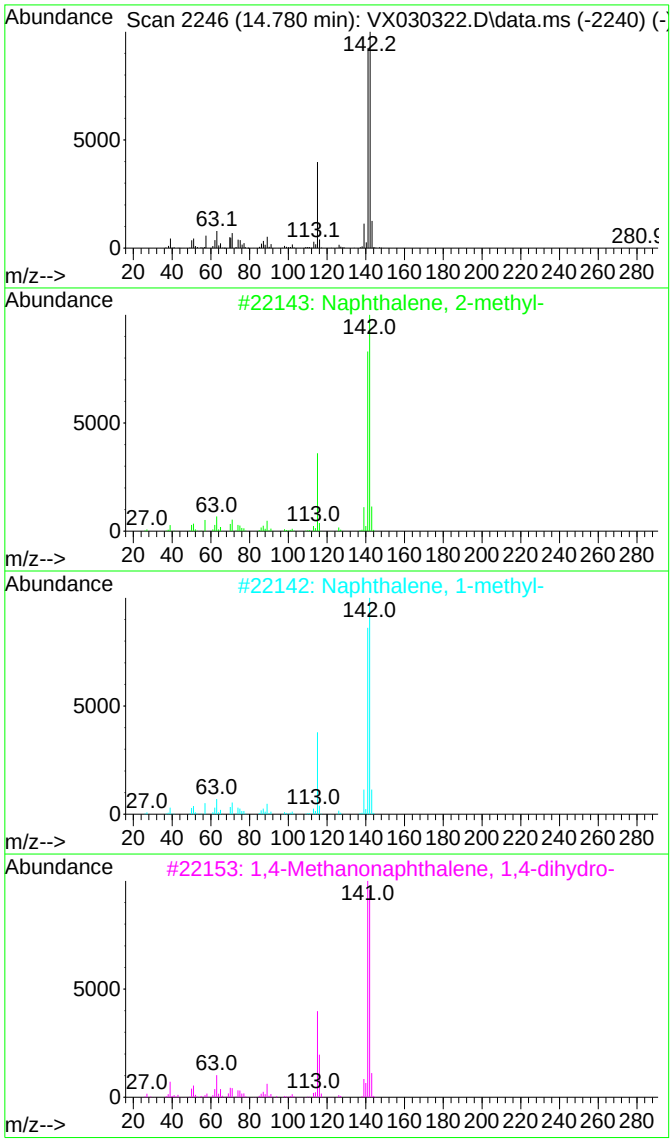
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

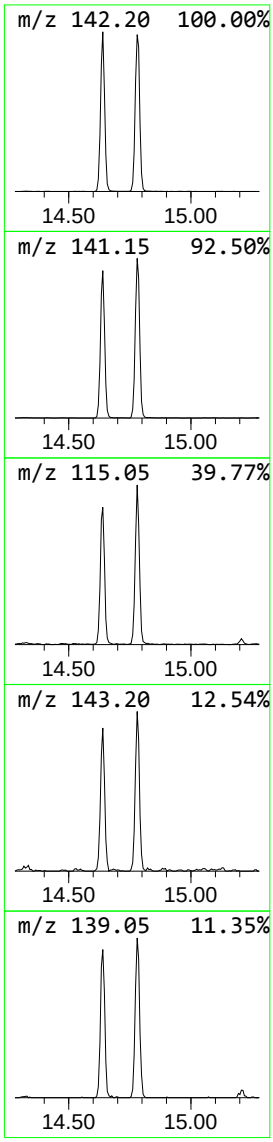
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.780 | 38.28 ug/l | 598283 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 93 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 72 |



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Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

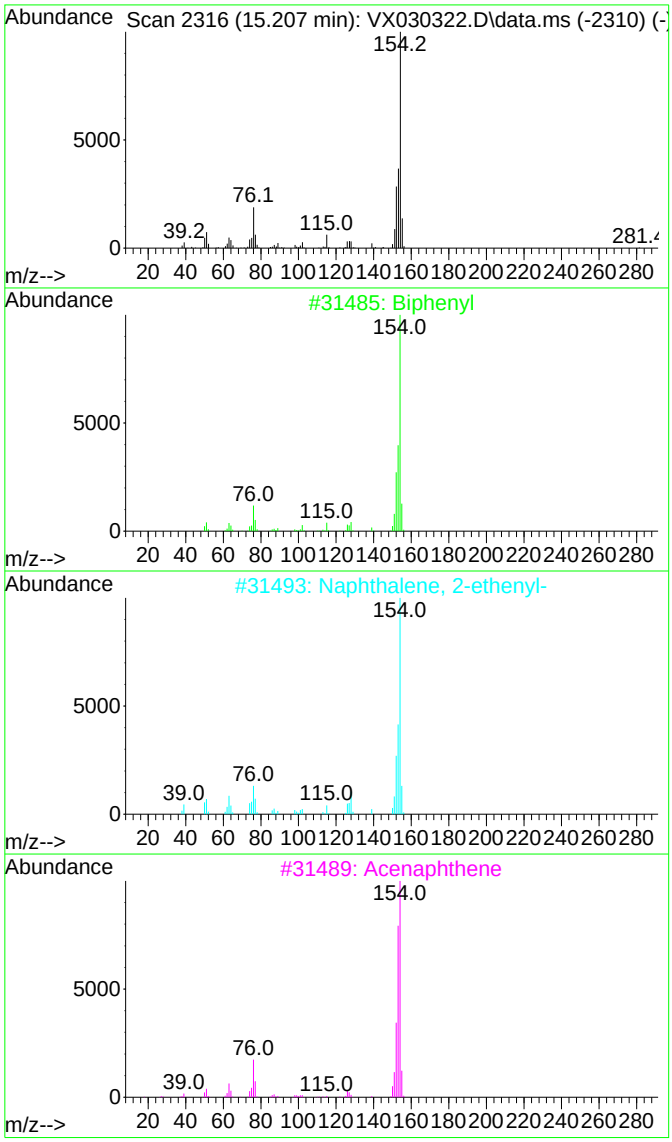
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

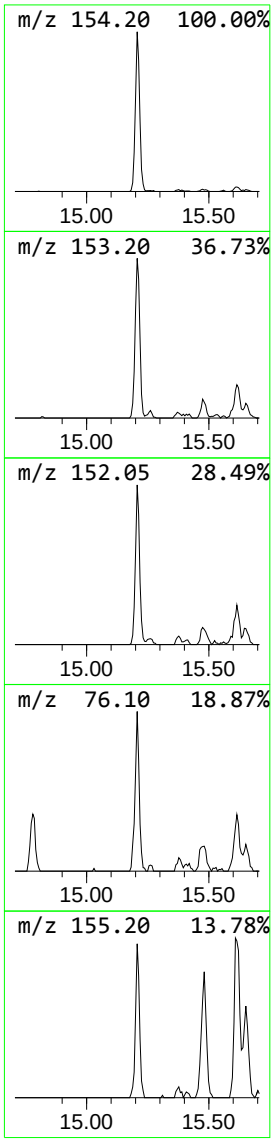
**********

Peak Number 7 Biphenyl Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.207 | 7.68 ug/l | 120058 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Biphenyl | 154 | C12H10 | 000092-52-4 | 94 |
| 2 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 74 |
| 3 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 62 |
| 4 | 3-Quinolinecarbonitrile | 154 | C10H6N2 | 034846-64-5 | 47 |
| 5 | Sebacic acid, 2,6-dimethoxypheny... | 450 | C26H42O6 | 1000354-75-6 | 28 |



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Data File : VX030322.D
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Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

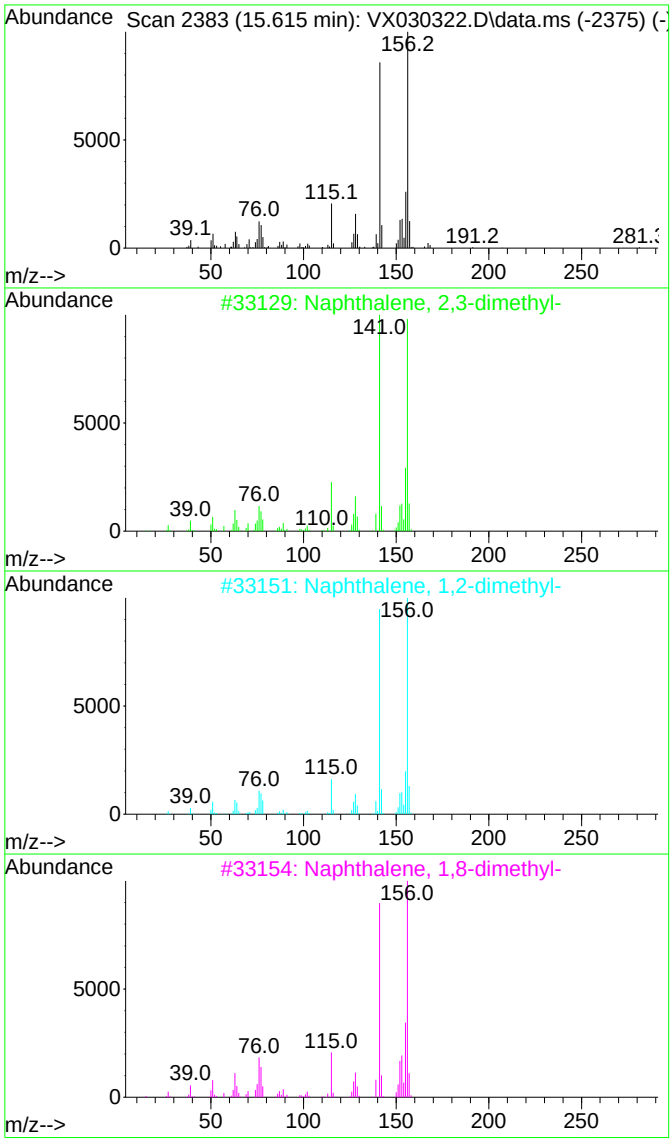
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

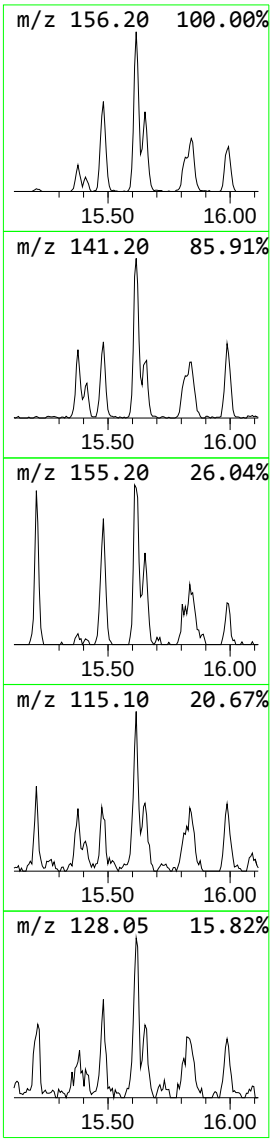
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.615 | 7.74 ug/l | 120971 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 98 |
| 3 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 98 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 5 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

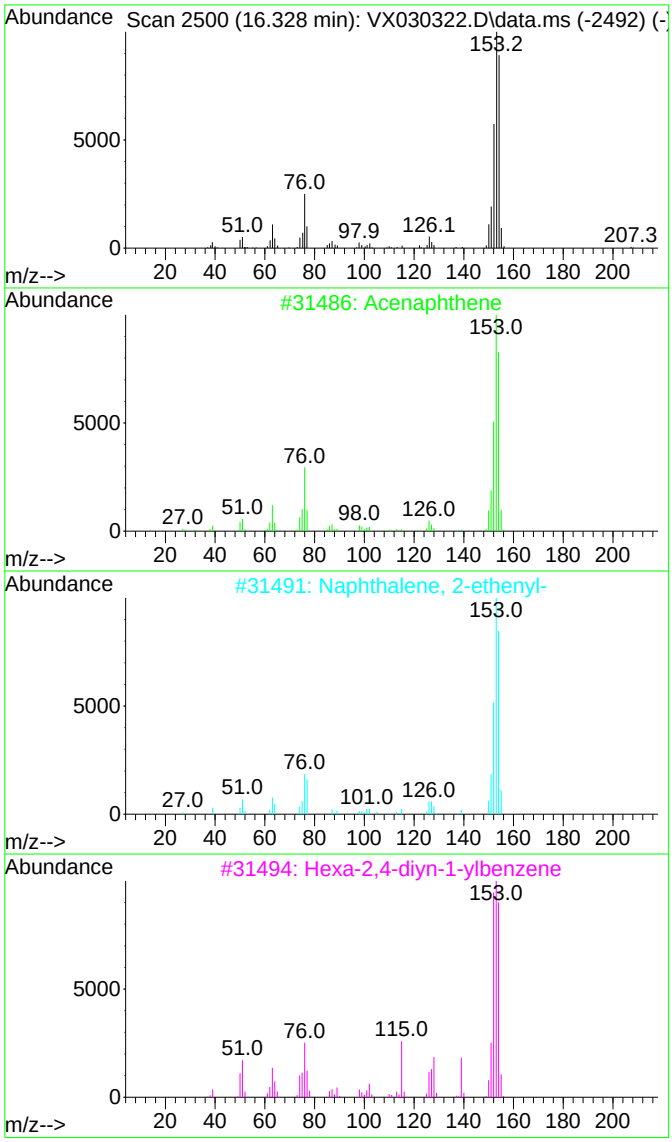
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

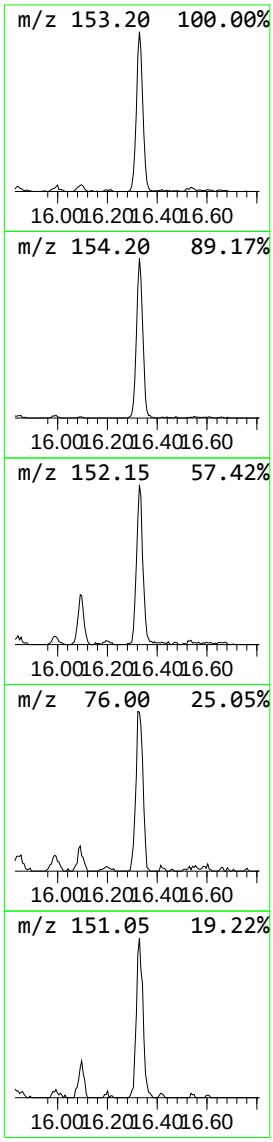
**********

Peak Number 9 Acenaphthene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.328 | 12.90 ug/l | 201563 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acenaphthene | 154 | C12H10 | 000083-32-9 | 93 |
| 2 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 62 |
| 3 | Hexa-2,4-diyn-1-ylbenzene | 154 | C12H10 | 000520-74-1 | 58 |
| 4 | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10 | 007322-47-6 | 58 |
| 5 | 3-Fluoro-para-anisaldehyde | 154 | C8H7FO2 | 000351-54-2 | 50 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
Data File : VX030322.D
Acq On : 01 Aug 2022 15:07
Operator : JC/MD
Sample : N3964-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
HMGP-WATER-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Ethanol | 2.069 | 419.8 | ug/l | 2960080 | 1 | 5.556 | 352559 | 50.0 |
| Indane | 12.244 | 7.0 | ug/l | 109433 | 4 | 12.024 | 781489 | 50.0 |
| Indene | 12.414 | 15.5 | ug/l | 242332 | 4 | 12.024 | 781489 | 50.0 |
| Cycloprop[a]ind... | 13.426 | 6.5 | ug/l | 100850 | 4 | 12.024 | 781489 | 50.0 |
| Naphthalene, 1-... | 14.640 | 33.9 | ug/l | 529575 | 4 | 12.024 | 781489 | 50.0 |
| 1,4-Methanonaph... | 14.780 | 38.3 | ug/l | 598283 | 4 | 12.024 | 781489 | 50.0 |
| Biphenyl | 15.207 | 7.7 | ug/l | 120058 | 4 | 12.024 | 781489 | 50.0 |
| Naphthalene, 2,... | 15.615 | 7.7 | ug/l | 120971 | 4 | 12.024 | 781489 | 50.0 |
| Acenaphthene | 16.328 | 12.9 | ug/l | 201563 | 4 | 12.024 | 781489 | 50.0 |