LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 1858

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\82X031621W.M
Title : SW846 8260

Signal : TIC: VX021252.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.475 | 62 | 66 | 78 | rVB | 23596 | 28284 | 1.46% | 0.353% |
| 2 | 2.093 | 165 | 171 | 181 | rBV | 94238 | 145791 | 7.53% | 1.821% |
| 3 | 3.917 | 469 | 481 | 492 | rBV4 | 8924 | 25396 | 1.31% | 0.317% |
| 4 | 4.640 | 595 | 604 | 616 | rBV2 | 10574 | 31929 | 1.65% | 0.399% |
| 5 | 5.464 | 732 | 744 | 756 | rBV2 | 51996 | 154280 | 7.96% | 1.928% |
| 6 | 5.629 | 759 | 772 | 785 | rBV | 96932 | 267235 | 13.79% | 3.339% |
| 7 | 6.029 | 829 | 840 | 852 | rBV | 63685 | 166384 | 8.59% | 2.079% |
| 8 | 6.829 | 965 | 976 | 988 | rBV | 145943 | 338720 | 17.48% | 4.232% |
| 9 | 8.694 | 1286 | 1293 | 1300 | rBV | 297617 | 456962 | 23.59% | 5.709% |
| 10 | 10.094 | 1524 | 1531 | 1541 | rBV | 279746 | 380675 | 19.65% | 4.756% |
| 11 | 11.118 | 1700 | 1705 | 1718 | rVB | 224072 | 294791 | 15.22% | 3.683% |
| 12 | 11.965 | 1845 | 1849 | 1854 | rVB | 30610 | 36136 | 1.87% | 0.451% |
| 13 | 12.059 | 1860 | 1865 | 1873 | rVB | 281871 | 348337 | 17.98% | 4.352% |
| 14 | 12.141 | 1873 | 1879 | 1890 | rBV | 1539439 | 1937317 | 100.00% | 24.204% |
| 15 | 12.624 | 1947 | 1961 | 1973 | rBV5 | 9692 | 22997 | 1.19% | 0.287% |
| 16 | 12.894 | 2002 | 2007 | 2012 | rBV | 68682 | 82280 | 4.25% | 1.028% |
| 17 | 13.006 | 2021 | 2026 | 2038 | rBV | 83010 | 140268 | 7.24% | 1.752% |
| 18 | 13.106 | 2038 | 2043 | 2045 | rVV | 110904 | 142973 | 7.38% | 1.786% |
| 19 | 13.136 | 2045 | 2048 | 2065 | rVB | 275740 | 431407 | 22.27% | 5.390% |
| 20 | 13.459 | 2098 | 2103 | 2114 | rBV | 1063219 | 1300224 | 67.11% | 16.245% |
| 21 | 13.547 | 2114 | 2118 | 2126 | rVB | 273071 | 385024 | 19.87% | 4.810% |
| 22 | 13.748 | 2146 | 2152 | 2154 | rVV | 43174 | 92506 | 4.77% | 1.156% |
| 23 | 13.789 | 2156 | 2159 | 2161 | rVV | 56127 | 82243 | 4.25% | 1.028% |
| 24 | 13.812 | 2161 | 2163 | 2171 | rVV | 53866 | 69330 | 3.58% | 0.866% |
| 25 | 13.900 | 2173 | 2178 | 2179 | rVV | 48176 | 59617 | 3.08% | 0.745% |
| 26 | 13.930 | 2179 | 2183 | 2195 | rVB2 | 100053 | 177193 | 9.15% | 2.214% |
| 27 | 14.236 | 2229 | 2235 | 2255 | rBV | 176658 | 318624 | 16.45% | 3.981% |
| 28 | 14.442 | 2266 | 2270 | 2274 | rBV | 76929 | 87102 | 4.50% | 1.088% |

Sum of corrected areas: 8004025

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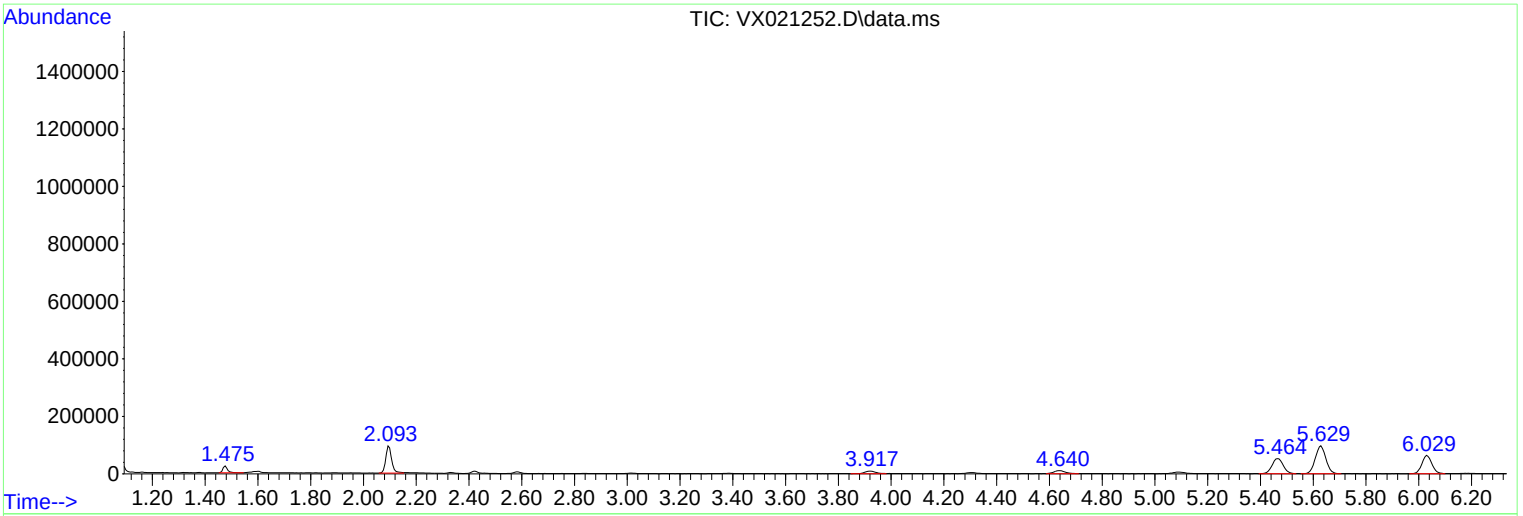
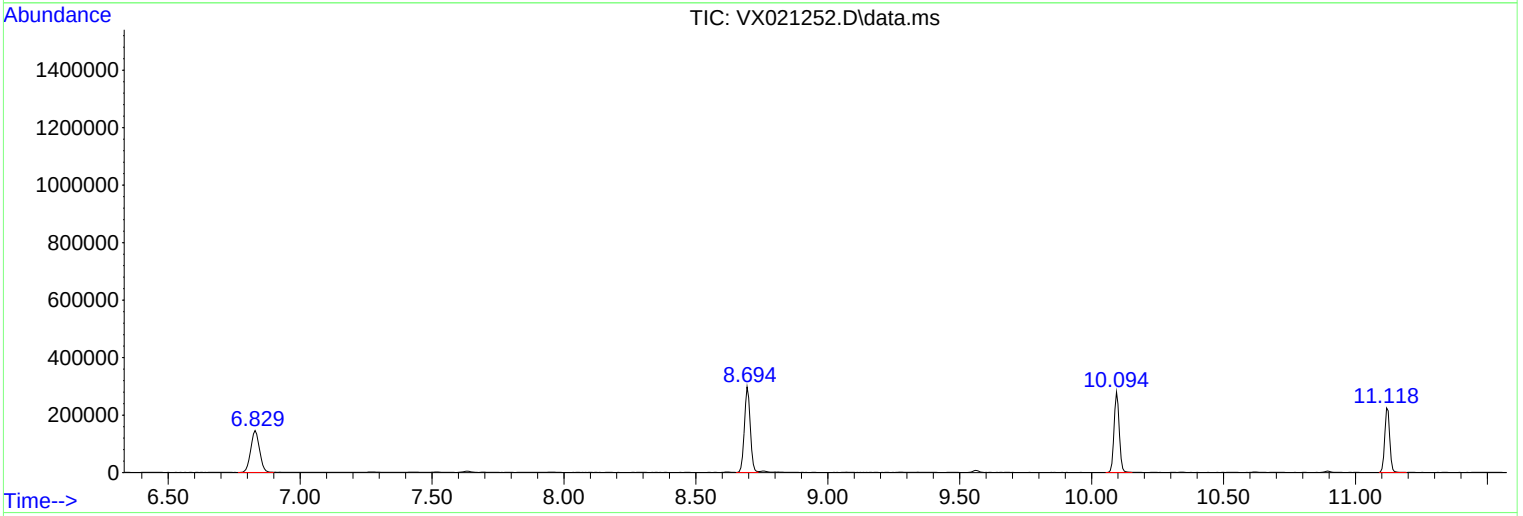
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

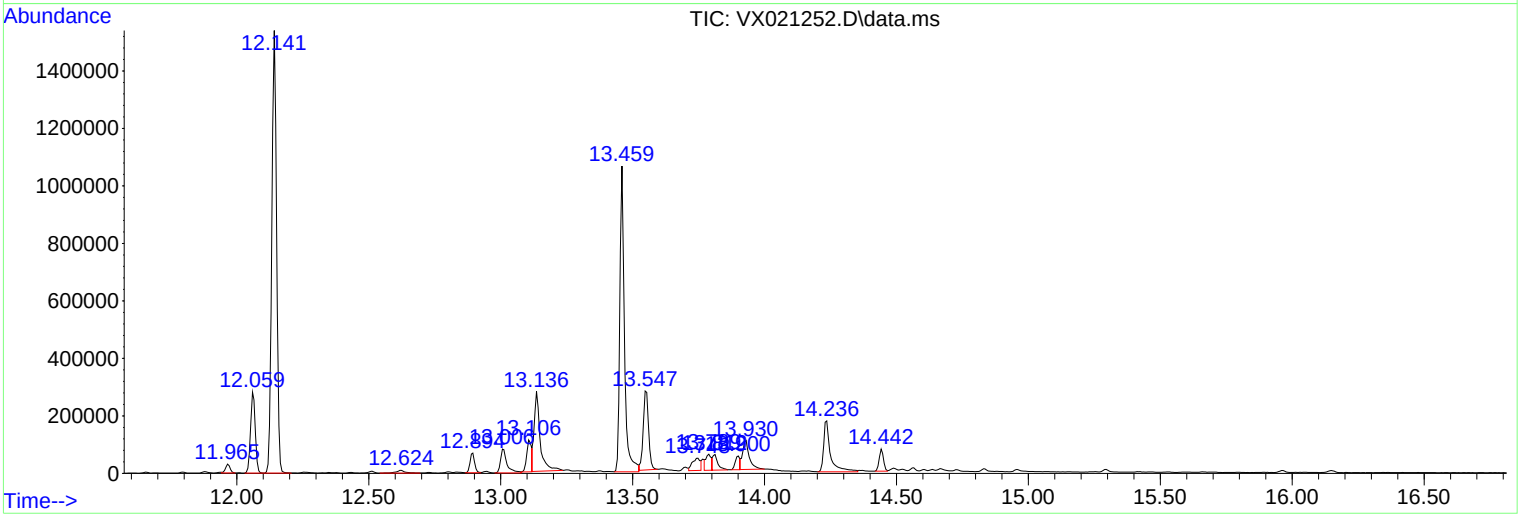
**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

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



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**Instrument :**
MSVOA_X
**ClientSampleId :**
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

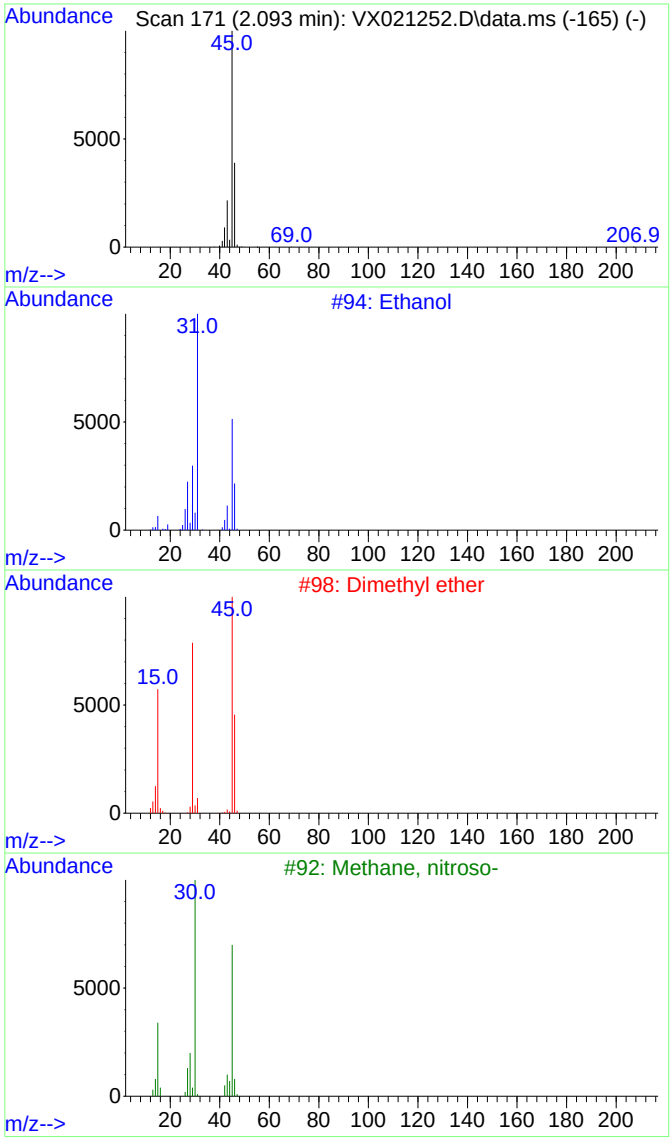
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

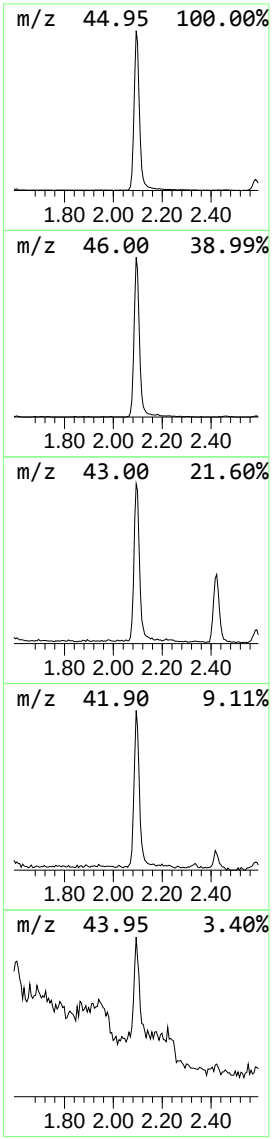
**********

Peak Number 1 Ethanol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.093 | 27.28 ug/l | 145791 | Pentafluorobenzene | 5.629 |

| 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\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

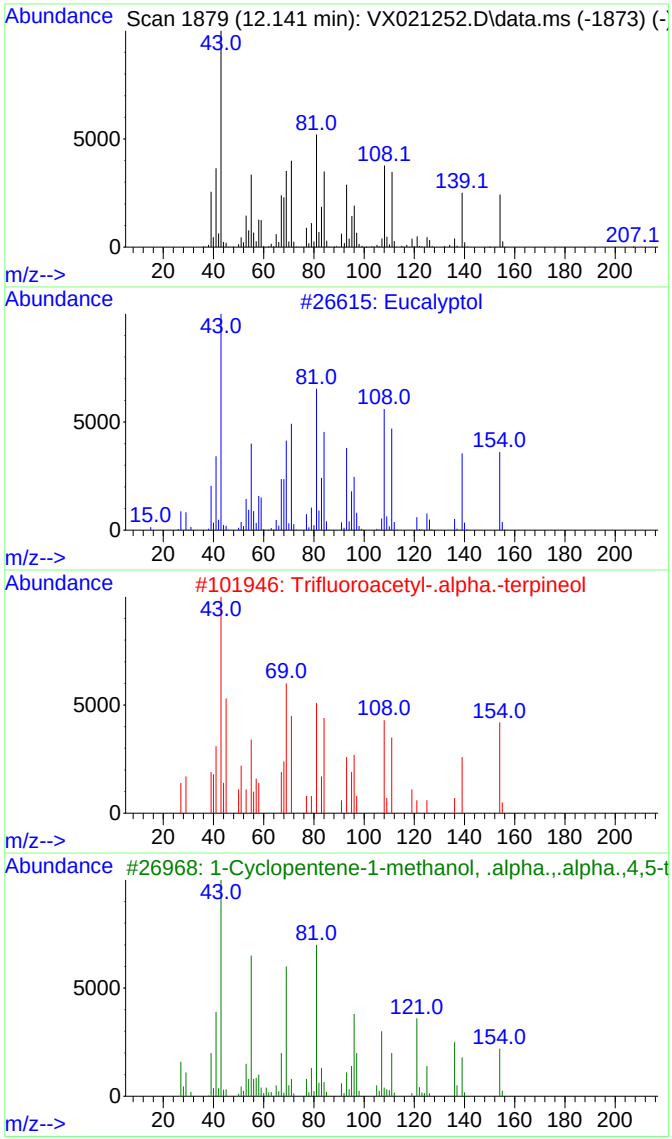
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

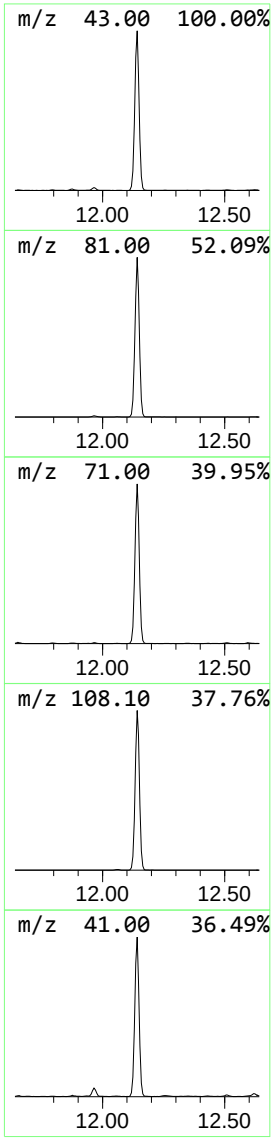
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Eucalyptol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.141 | 278.08 ug/l | 1937320 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 98 |
| 2 | Trifluoroacetyl-.alpha.-terpineol | 250 | C12H17F3O2 | 1000058-17-6 | 64 |
| 3 | 1-Cyclopentene-1-methanol, .alph... | 154 | C10H18O | 056666-68-3 | 22 |
| 4 | 2-Acetonylcyclohexanone | 154 | C9H14O2 | 006126-53-0 | 14 |
| 5 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 11 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

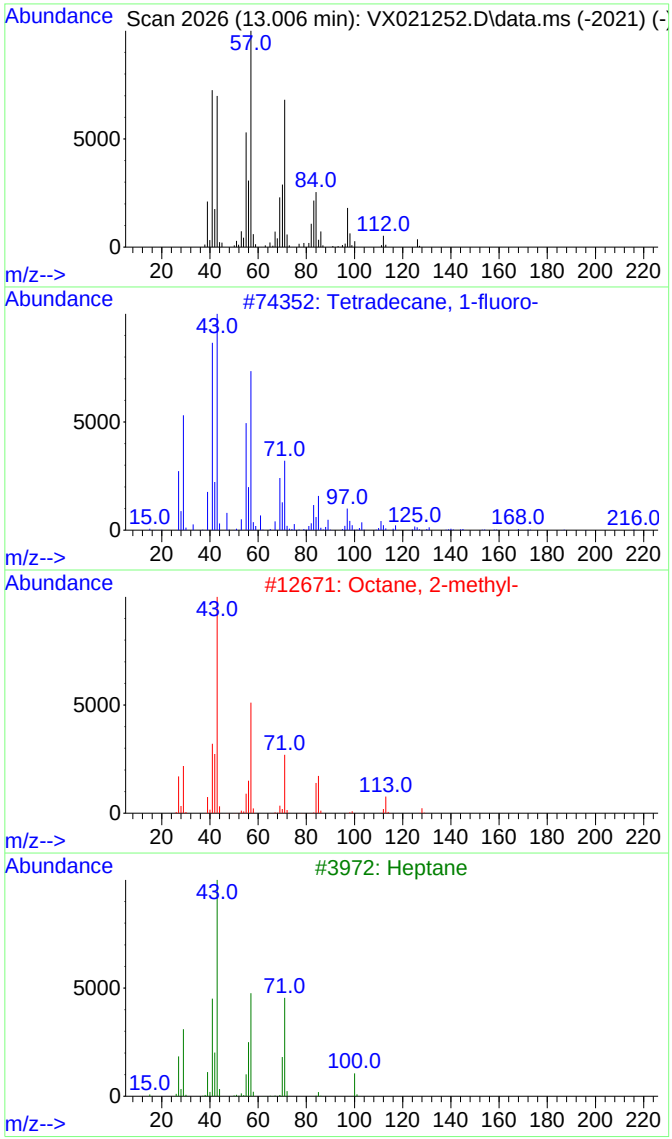
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

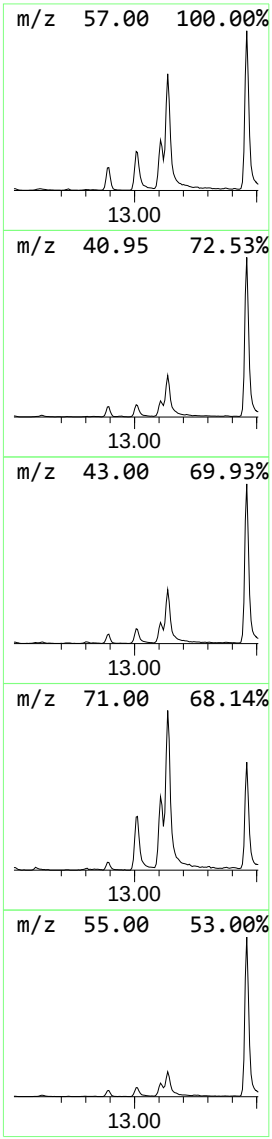
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Tetradecane, 1-fluoro- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.006 | 20.13 ug/l | 140268 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 1-fluoro- | 216 | C14H29F | 000593-33-9 | 80 |
| 2 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 47 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 46 |
| 4 | Hydroxylamine, O-(3-methylbutyl)- | 103 | C5H13NO | 019411-65-5 | 43 |
| 5 | Cyclooctane, methyl- | 126 | C9H18 | 001502-38-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

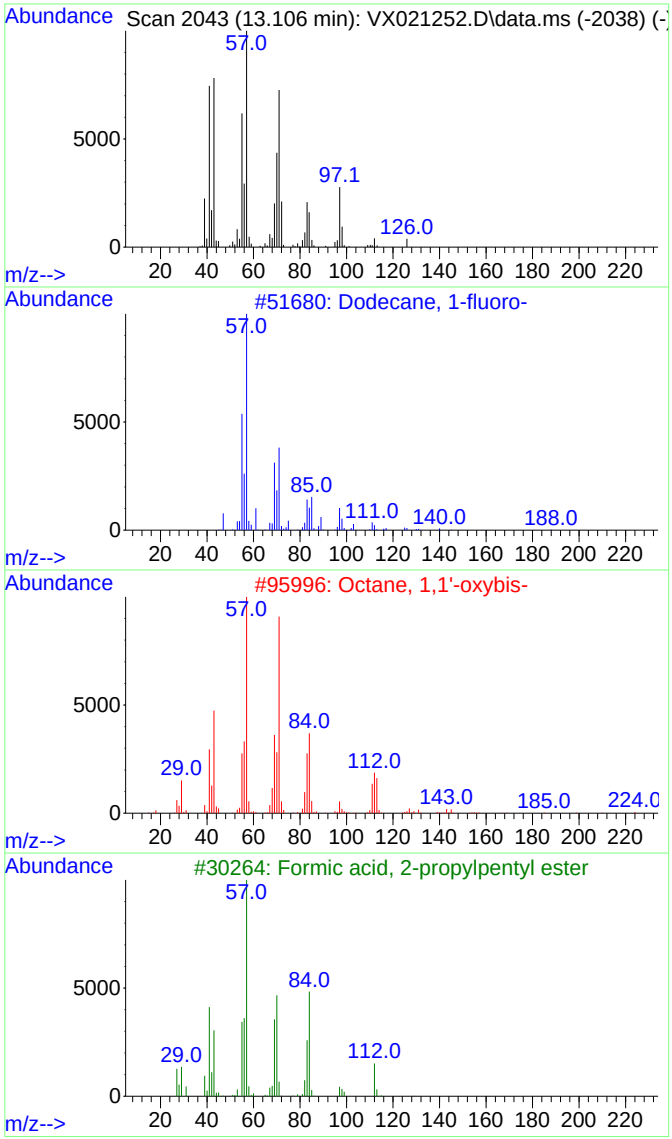
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

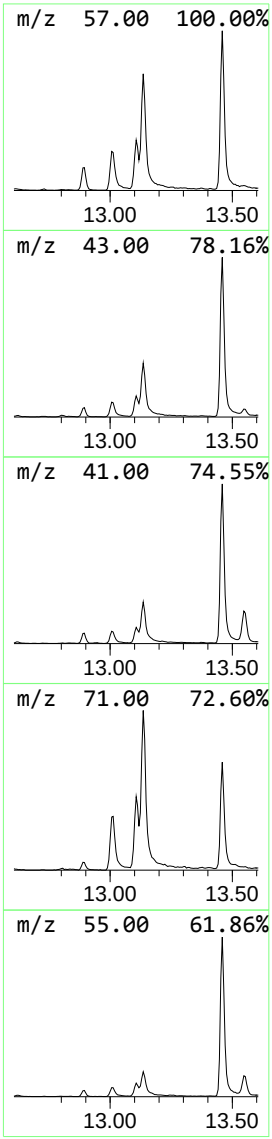
**********

Peak Number 4 Dodecane, 1-fluoro- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.106 | 20.52 ug/l | 142973 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-fluoro- | 188 | C12H25F | 000334-68-9 | 53 |
| 2 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 47 |
| 3 | Formic acid, 2-propylpentyl ester | 158 | C9H18O2 | 1000368-74-8 | 43 |
| 4 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 38 |
| 5 | cis-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-69-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 1858

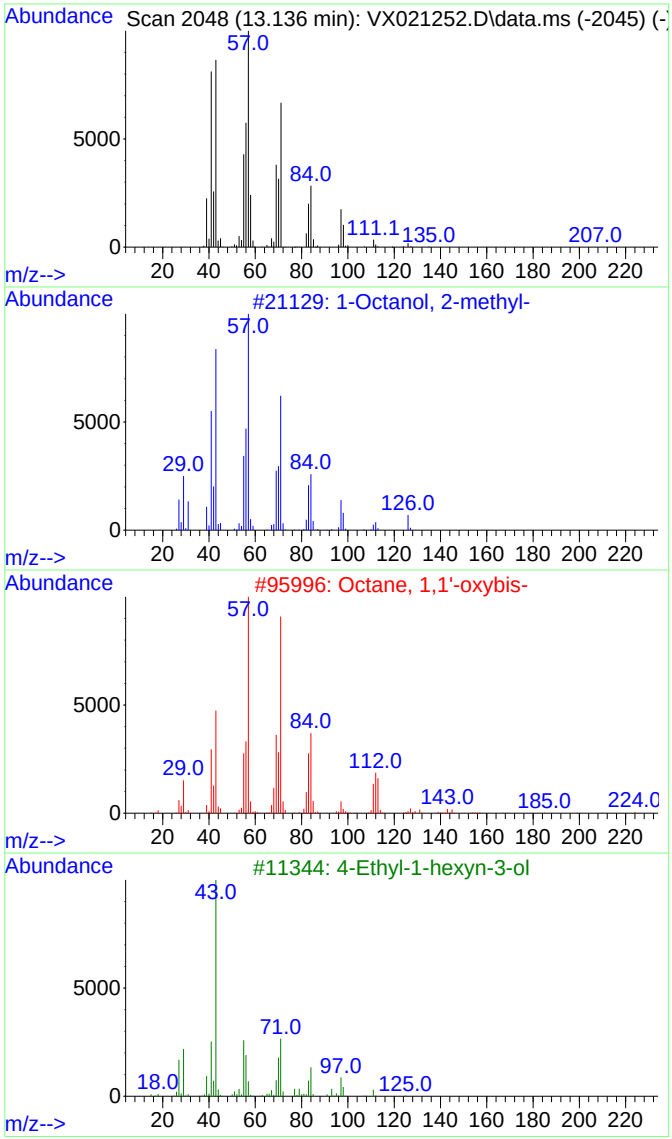
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

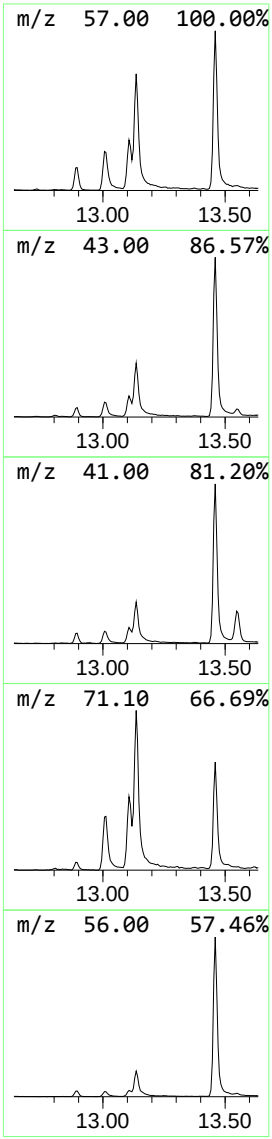
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1-Octanol, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.136 | 61.92 ug/l | 431407 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Octanol, 2-methyl- | 144 | C9H20O | 000818-81-5 | 86 |
| 2 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 53 |
| 3 | 4-Ethyl-1-hexyn-3-ol | 126 | C8H14O | 051277-03-3 | 47 |
| 4 | 1-Octanol | 130 | C8H18O | 000111-87-5 | 47 |
| 5 | Cyclobutane, 1,2-diethyl-, cis- | 112 | C8H16 | 061141-50-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

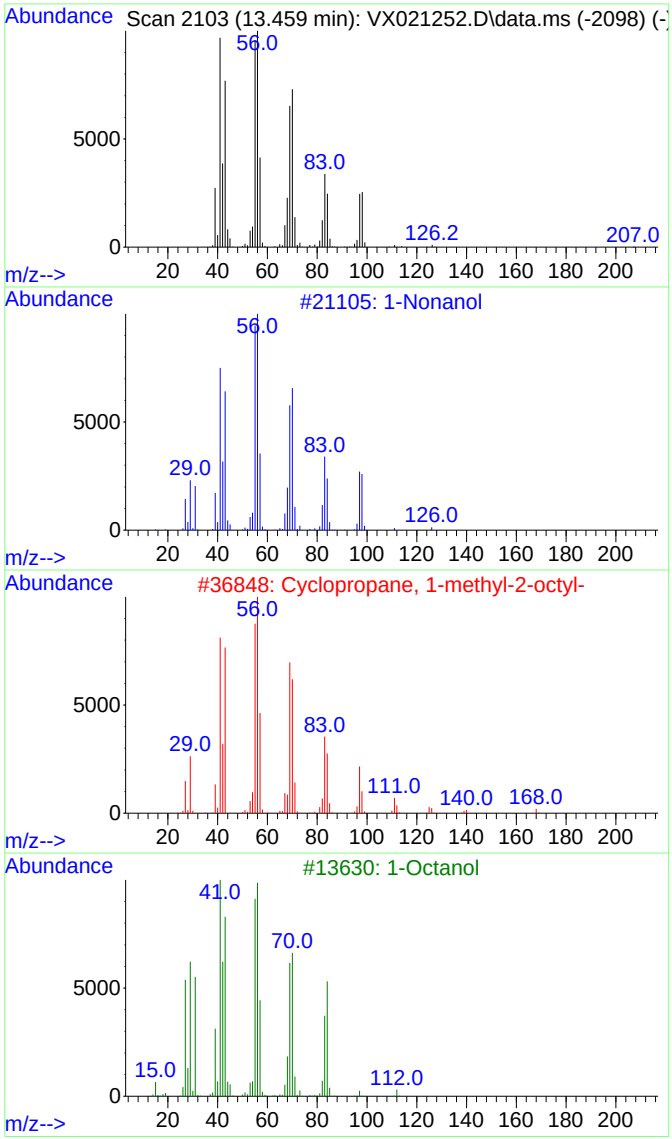
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

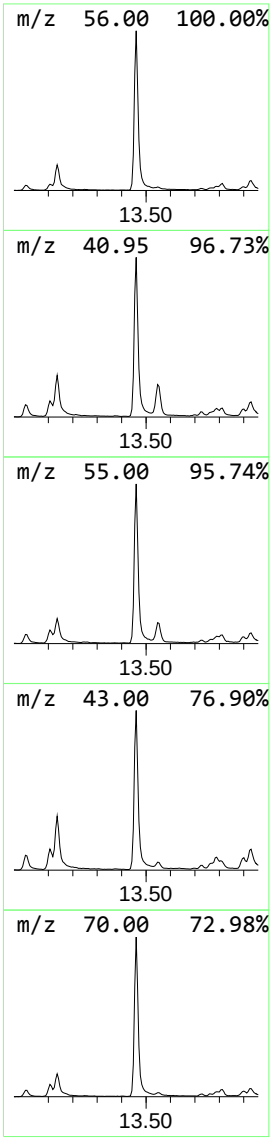
**********

Peak Number 6 1-Nonanol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.459 | 186.63 ug/l | 1300220 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonanol | 144 | C9H20O | 000143-08-8 | 91 |
| 2 | Cyclopropane, 1-methyl-2-octyl- | 168 | C12H24 | 037617-26-8 | 80 |
| 3 | 1-Octanol | 130 | C8H18O | 000111-87-5 | 72 |
| 4 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 68 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

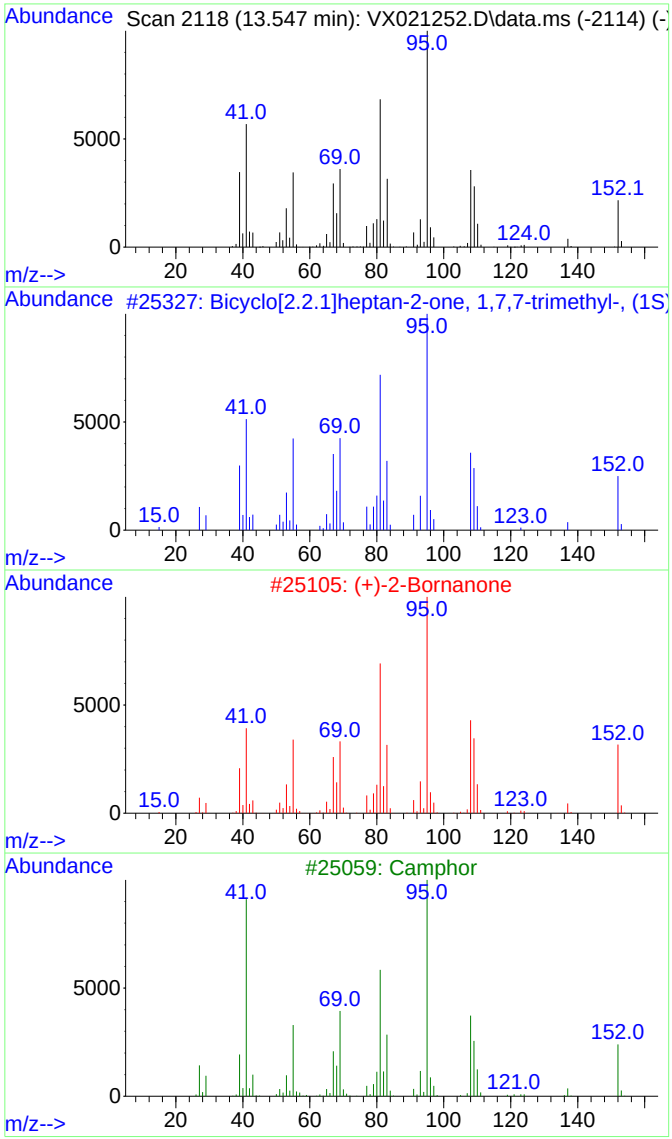
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

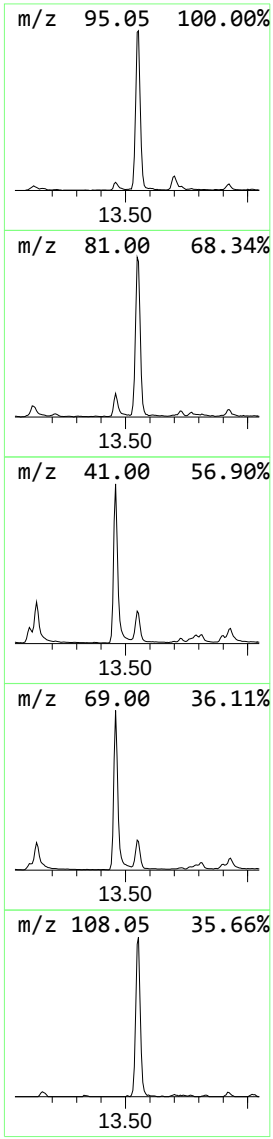
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.547 | 55.27 ug/l | 385024 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 98 |
| 2 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 97 |
| 3 | Camphor | 152 | C10H16O | 000076-22-2 | 97 |
| 4 | 5,7-Octadien-4-one, 2,6-dimethyl... | 152 | C10H16O | 006752-80-3 | 58 |
| 5 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 50 |



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Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

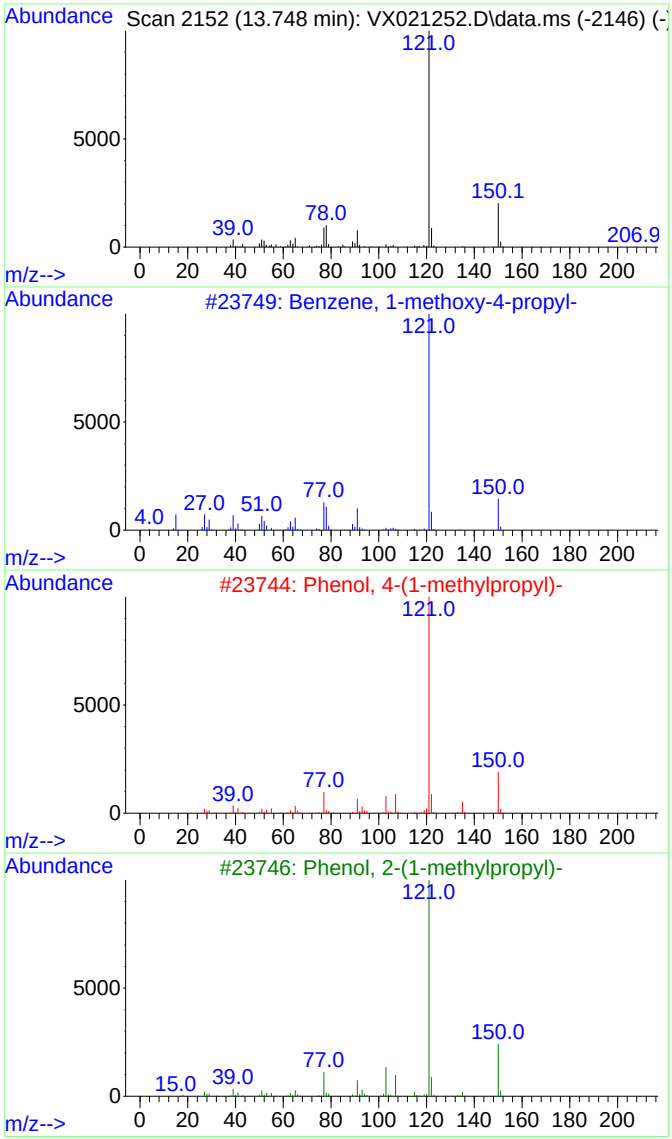
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

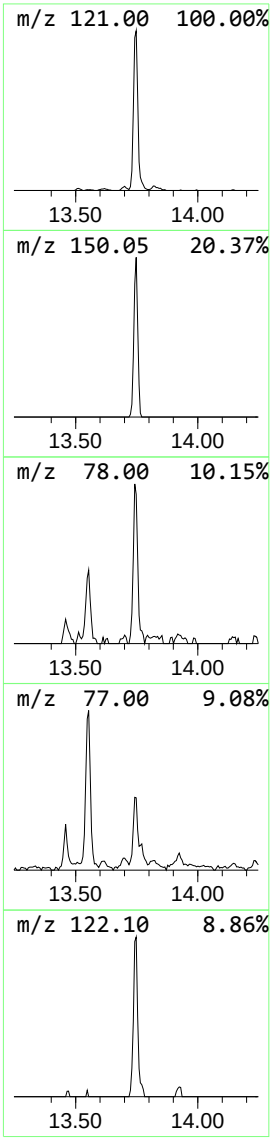
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Benzene, 1-methoxy-4-propyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.748 | 13.28 ug/l | 92506 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methoxy-4-propyl- | 150 | C10H14O | 000104-45-0 | 91 |
| 2 | Phenol, 4-(1-methylpropyl)- | 150 | C10H14O | 000099-71-8 | 80 |
| 3 | Phenol, 2-(1-methylpropyl)- | 150 | C10H14O | 000089-72-5 | 78 |
| 4 | [2-(3,4-Dimethoxyphenyl)ethyl](4... | 301 | C18H23NO3 | 1000302-74-5 | 74 |
| 5 | 2-(4-Methoxyphenyl)ethanol | 152 | C9H12O2 | 000702-23-8 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

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

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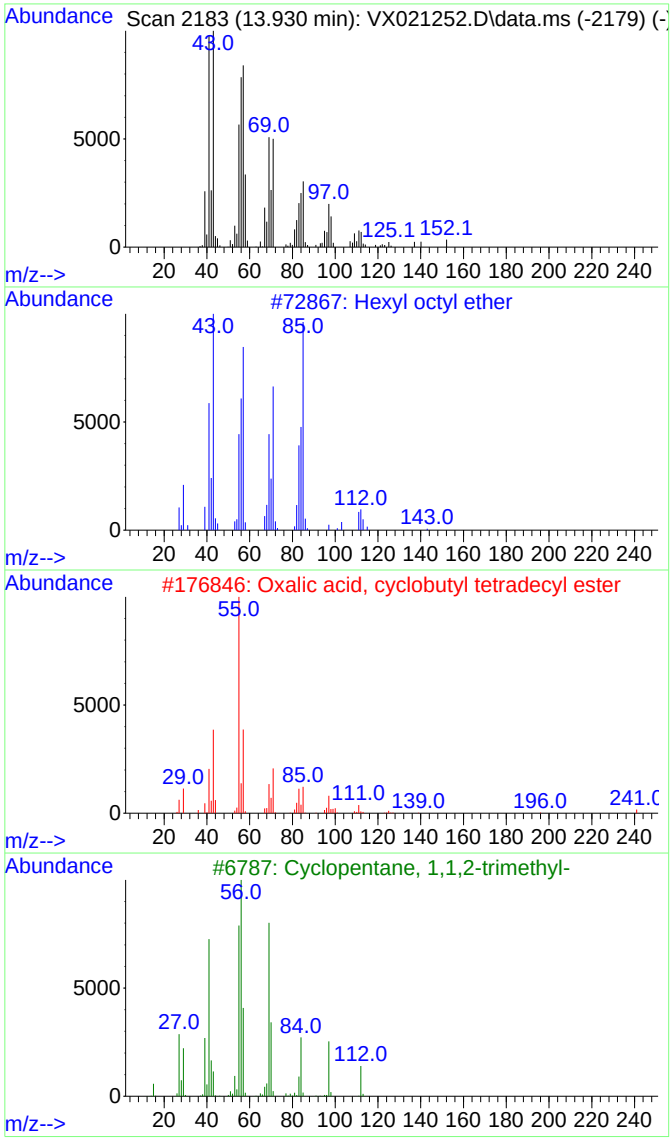
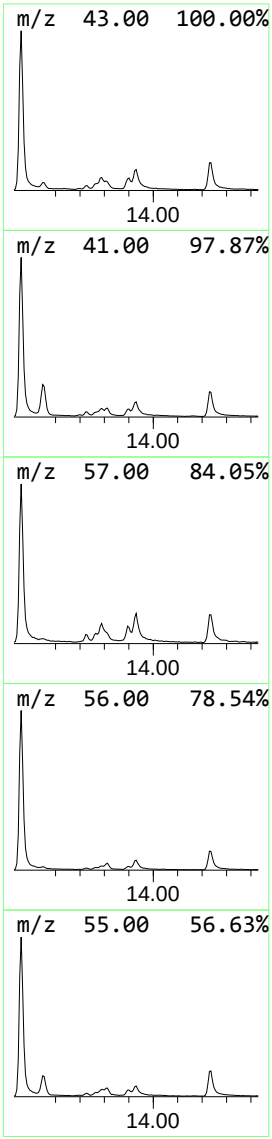
Peak Number 9 unknown13.930 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.930 | 25.43 ug/l | 177193 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexyl octyl ether | 214 | C14H30O | 017071-54-4 | 47 |
| 2 | Oxalic acid, cyclobutyl tetradec... | 340 | C20H36O4 | 1000309-70-9 | 47 |
| 3 | Cyclopentane, 1,1,2-trimethyl- | 112 | C8H16 | 004259-00-1 | 46 |
| 4 | 1-Methylpentyl cyclopropane | 126 | C9H18 | 006976-28-9 | 43 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260

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

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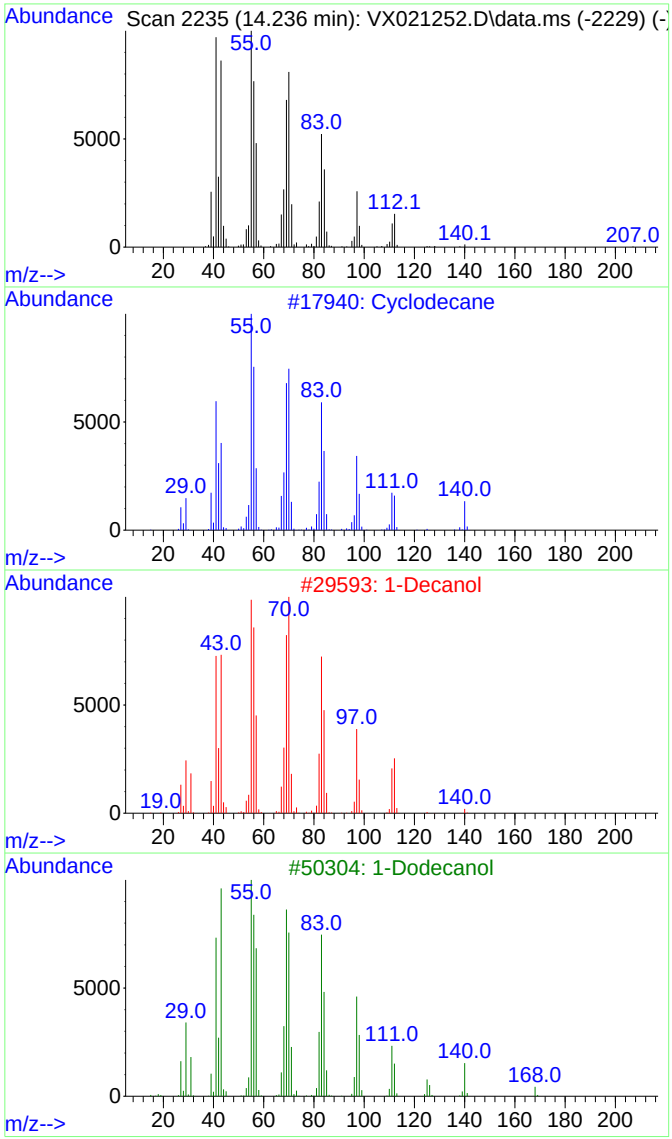
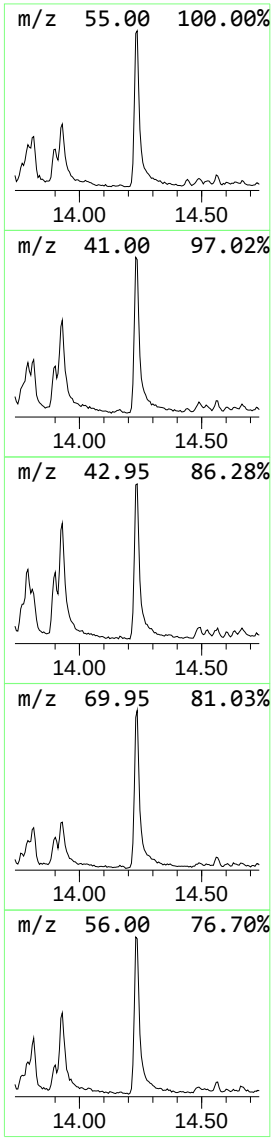
Peak Number 10 Cyclodecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.236 | 45.73 ug/l | 318624 | 1,4-Dichlorobenzene-d4 | 12.059 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclodecane | 140 | C10H20 | 000293-96-9 | 96 |
| 2 | 1-Decanol | 158 | C10H22O | 000112-30-1 | 90 |
| 3 | 1-Dodecanol | 186 | C12H26O | 000112-53-8 | 90 |
| 4 | 2-Dodecene, (Z)- | 168 | C12H24 | 007206-26-0 | 87 |
| 5 | 2-Dodecene, (E)- | 168 | C12H24 | 007206-13-5 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
Data File : VX021252.D
Acq On : 16 Mar 2021 18:20
Operator : JC/MD
Sample : M1666-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 1858

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
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 |
| Ethanol | 2.093 | 27.3 | ug/l | 145791 | 1 | 5.629 | 267235 | 50.0 |
| Eucalyptol | 12.141 | 278.1 | ug/l | 1937320 | 4 | 12.059 | 348337 | 50.0 |
| Tetradecane, 1-... | 13.006 | 20.1 | ug/l | 140268 | 4 | 12.059 | 348337 | 50.0 |
| Dodecane, 1-flu... | 13.106 | 20.5 | ug/l | 142973 | 4 | 12.059 | 348337 | 50.0 |
| 1-Octanol, 2-me... | 13.136 | 61.9 | ug/l | 431407 | 4 | 12.059 | 348337 | 50.0 |
| 1-Nonanol | 13.459 | 186.6 | ug/l | 1300220 | 4 | 12.059 | 348337 | 50.0 |
| Bicyclo[2.2.1]h... | 13.547 | 55.3 | ug/l | 385024 | 4 | 12.059 | 348337 | 50.0 |
| Benzene, 1-meth... | 13.748 | 13.3 | ug/l | 92506 | 4 | 12.059 | 348337 | 50.0 |
| unknown13.930 | 13.930 | 25.4 | ug/l | 177193 | 4 | 12.059 | 348337 | 50.0 |
| Cyclodecane | 14.236 | 45.7 | ug/l | 318624 | 4 | 12.059 | 348337 | 50.0 |