LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX041584.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.105 | 162 | 167 | 182 | rVB2 | 19571 | 48061 | 1.03% | 0.388% |
| 2 | 2.392 | 206 | 214 | 228 | rBV | 260483 | 458177 | 9.82% | 3.703% |
| 3 | 2.581 | 236 | 245 | 262 | rBV | 99020 | 257492 | 5.52% | 2.081% |
| 4 | 4.897 | 614 | 625 | 640 | rBV2 | 58747 | 185824 | 3.98% | 1.502% |
| 5 | 5.092 | 649 | 657 | 669 | rVB2 | 28920 | 92234 | 1.98% | 0.745% |
| 6 | 5.952 | 790 | 798 | 817 | rBV | 65840 | 178591 | 3.83% | 1.443% |
| 7 | 6.757 | 921 | 930 | 947 | rBV | 143151 | 349441 | 7.49% | 2.824% |
| 8 | 8.647 | 1234 | 1240 | 1248 | rBV | 293678 | 464194 | 9.95% | 3.752% |
| 9 | 10.055 | 1465 | 1471 | 1480 | rBV | 294356 | 410263 | 8.79% | 3.316% |
| 10 | 10.835 | 1593 | 1599 | 1616 | rVB | 56244 | 83000 | 1.78% | 0.671% |
| 11 | 10.982 | 1617 | 1623 | 1633 | rBV2 | 118734 | 198308 | 4.25% | 1.603% |
| 12 | 11.079 | 1633 | 1639 | 1649 | rBV2 | 407462 | 605275 | 12.97% | 4.892% |
| 13 | 11.195 | 1652 | 1658 | 1668 | rVB2 | 151509 | 216039 | 4.63% | 1.746% |
| 14 | 12.103 | 1802 | 1807 | 1813 | rBV | 243486 | 326575 | 7.00% | 2.639% |
| 15 | 12.579 | 1879 | 1885 | 1909 | rBV | 2902265 | 3649943 | 78.24% | 29.499% |
| 16 | 12.768 | 1909 | 1916 | 1929 | rBV3 | 2957669 | 4664954 | 100.00% | 37.702% |
| 17 | 13.335 | 2004 | 2009 | 2021 | rVB | 55860 | 73878 | 1.58% | 0.597% |
| 18 | 13.487 | 2027 | 2034 | 2043 | rVB3 | 54422 | 111038 | 2.38% | 0.897% |

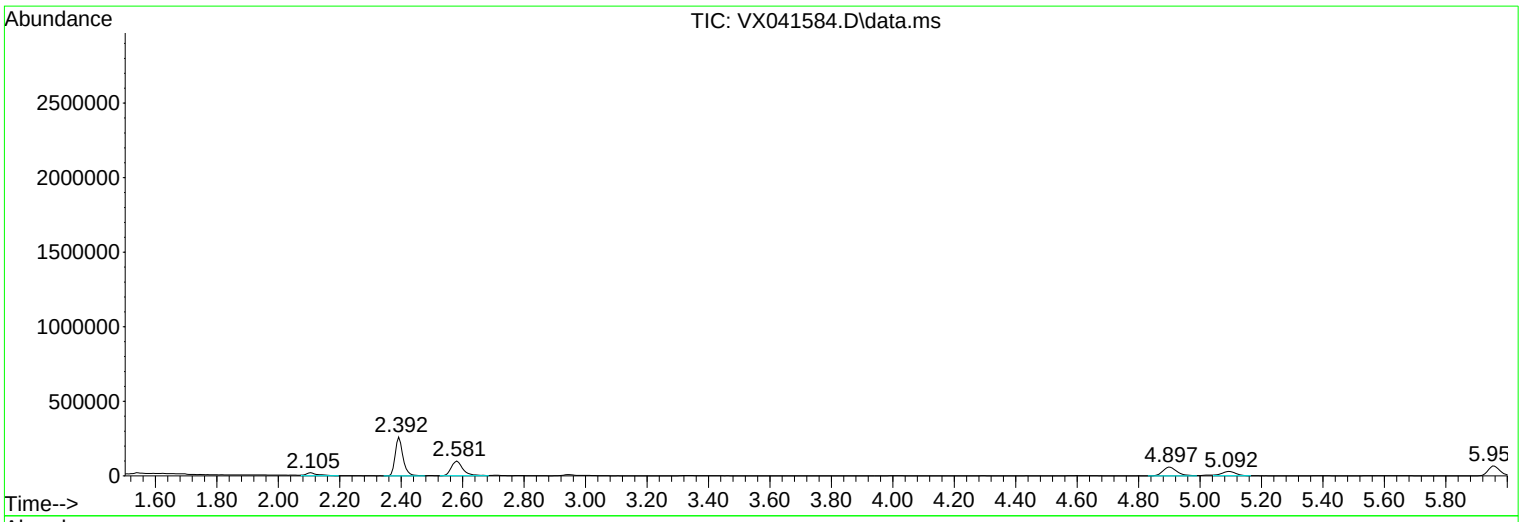
Sum of corrected areas: 12373287

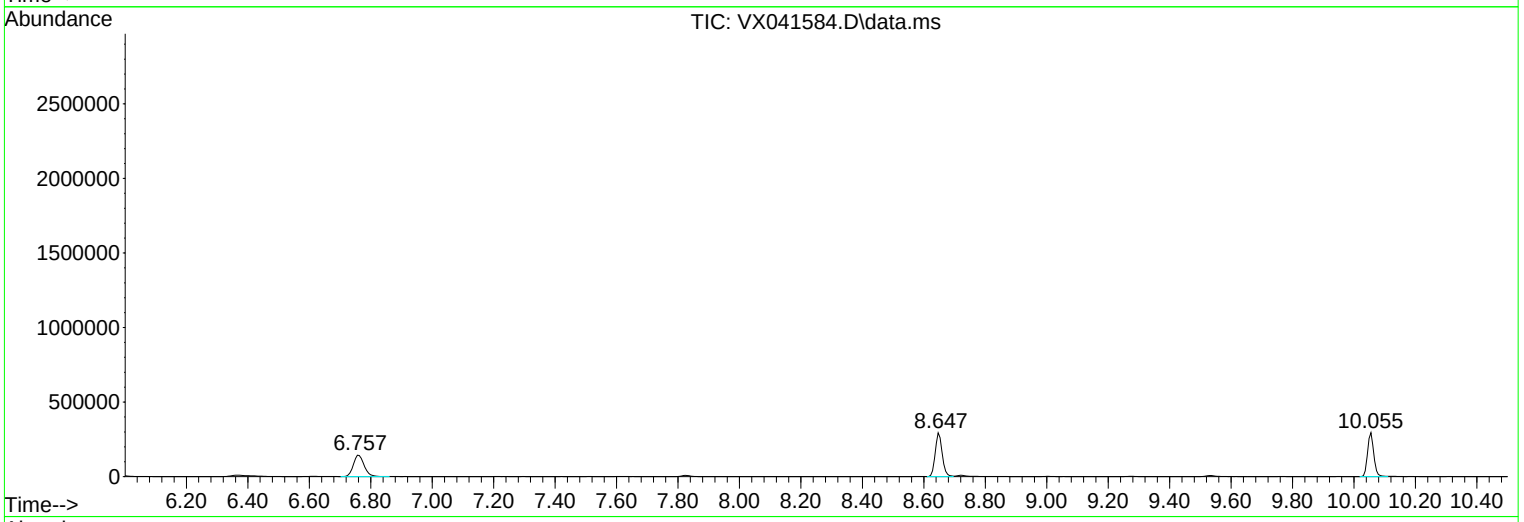
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

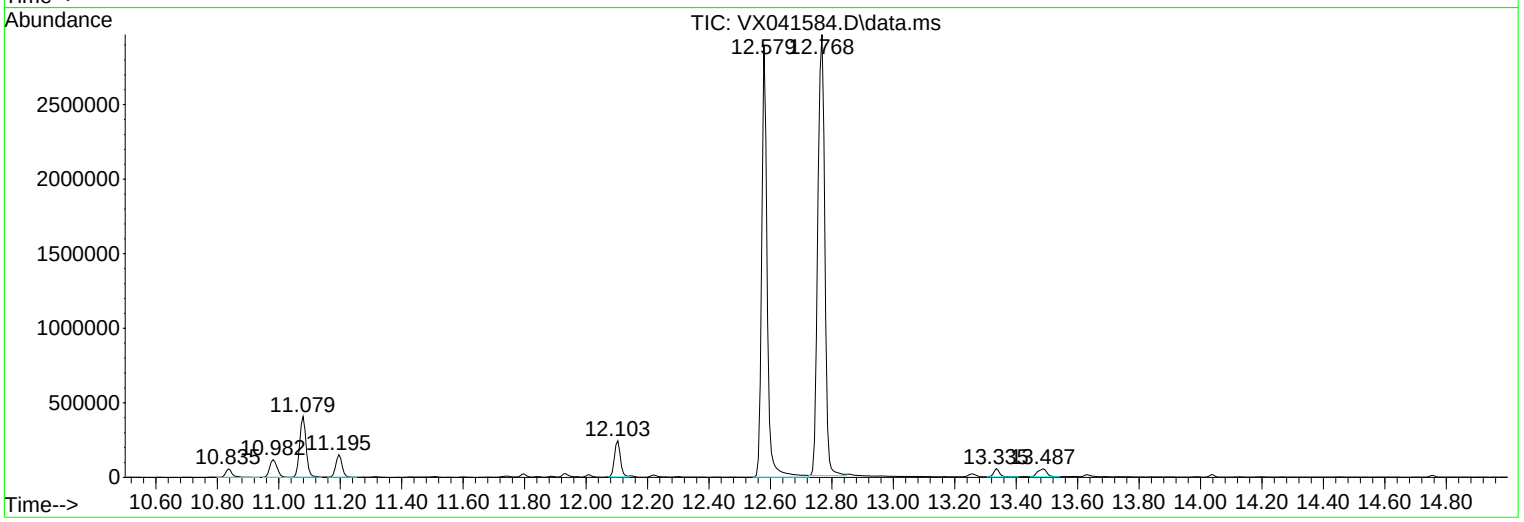
**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

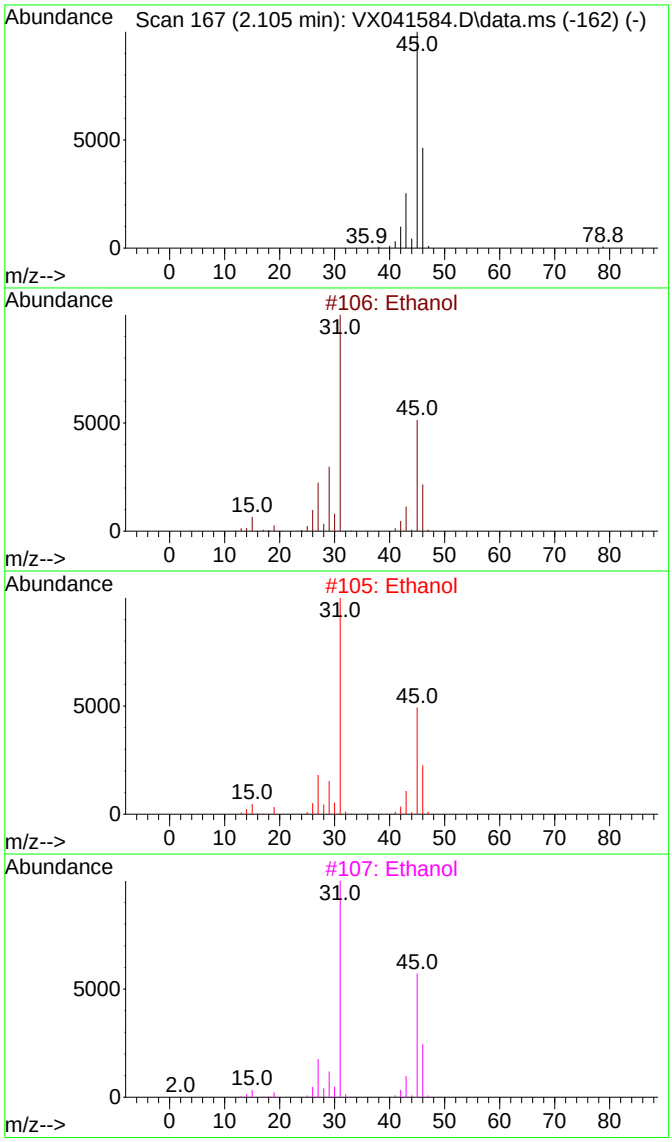
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

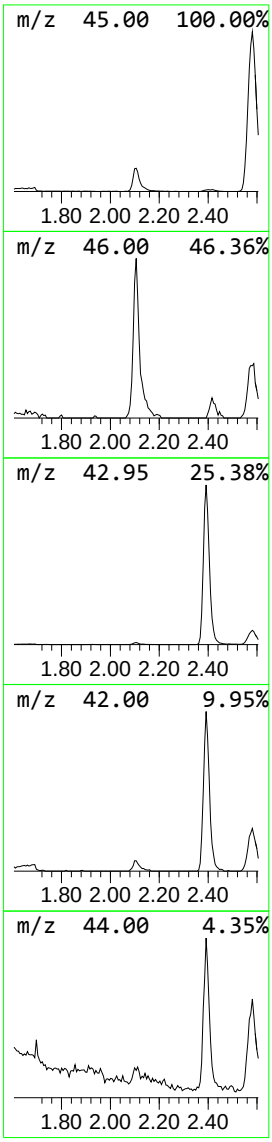
**********

Peak Number 1 Ethanol Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.105 | 7.76 ug/l | 48061 | Bromochloromethane | 4.897 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol | 46 | C2H6O | 000064-17-5 | 74 |
| 2 | Ethanol | 46 | C2H6O | 000064-17-5 | 64 |
| 3 | Ethanol | 46 | C2H6O | 000064-17-5 | 9 |
| 4 | Dimethyl ether | 46 | C2H6O | 000115-10-6 | 9 |
| 5 | Dimethyl ether | 46 | C2H6O | 000115-10-6 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

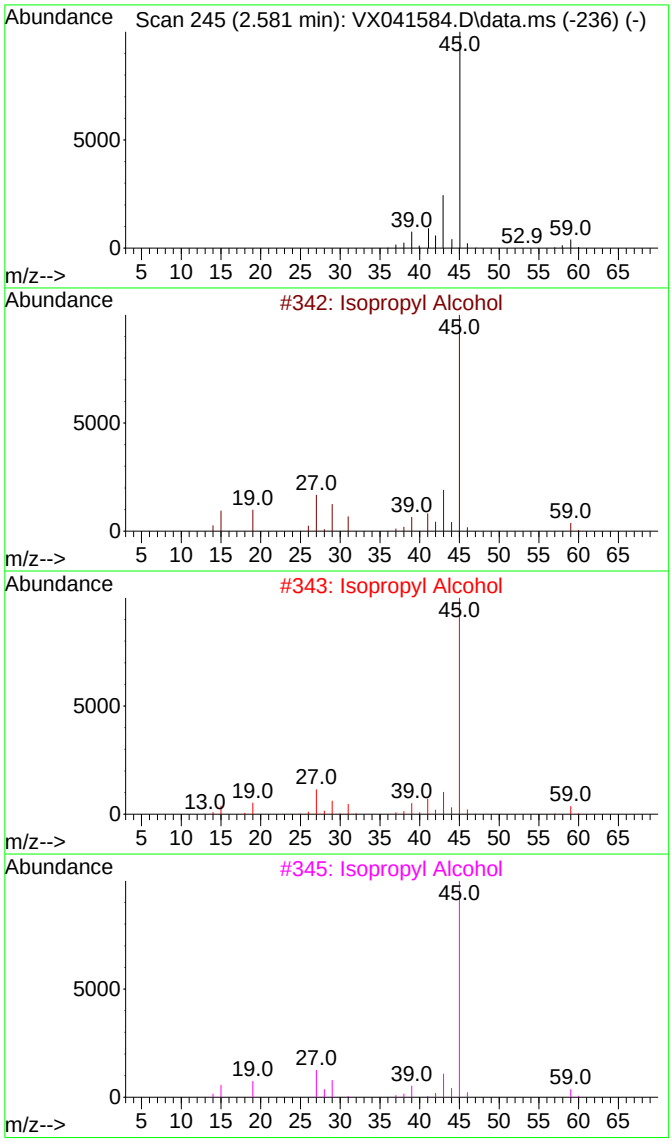
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

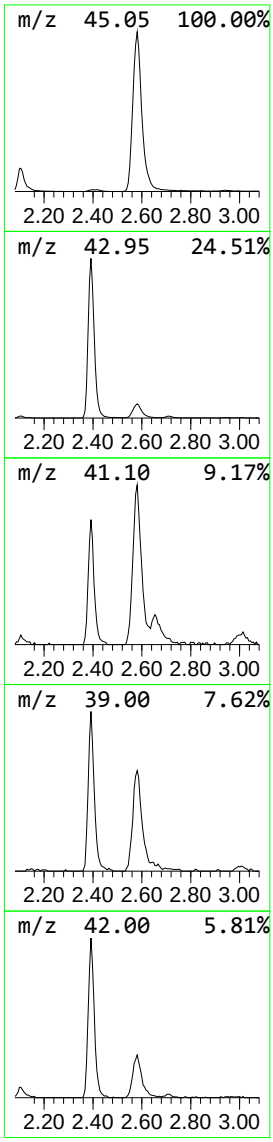
**********

Peak Number 2 Isopropyl Alcohol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.581 | 41.57 ug/l | 257492 | Bromochloromethane | 4.897 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 5 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

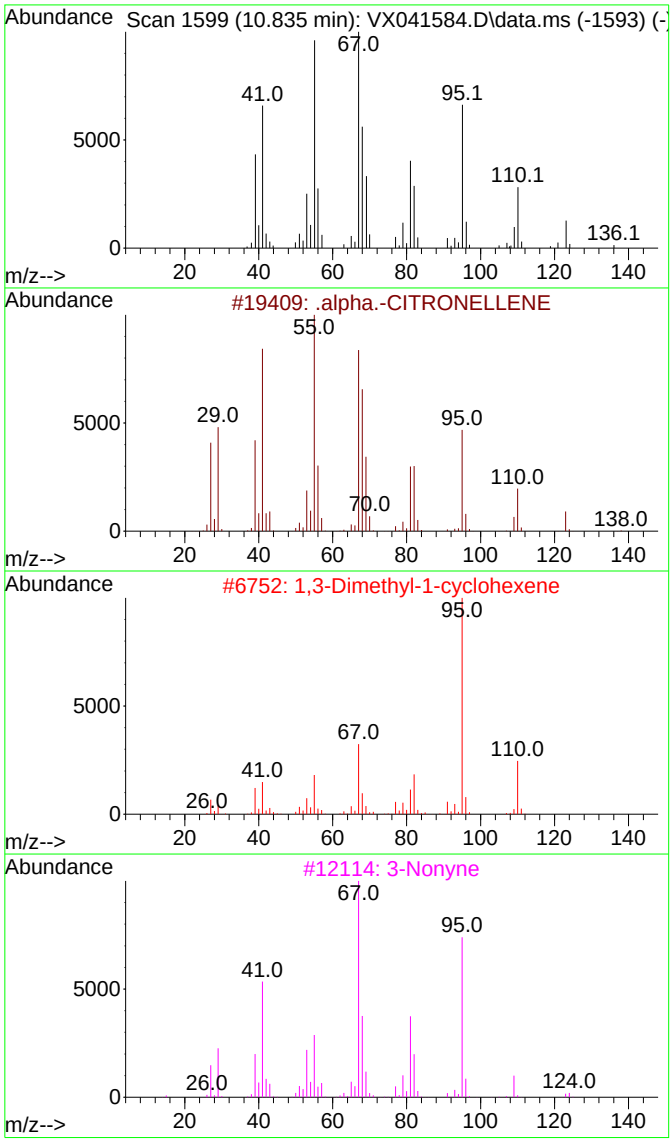
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

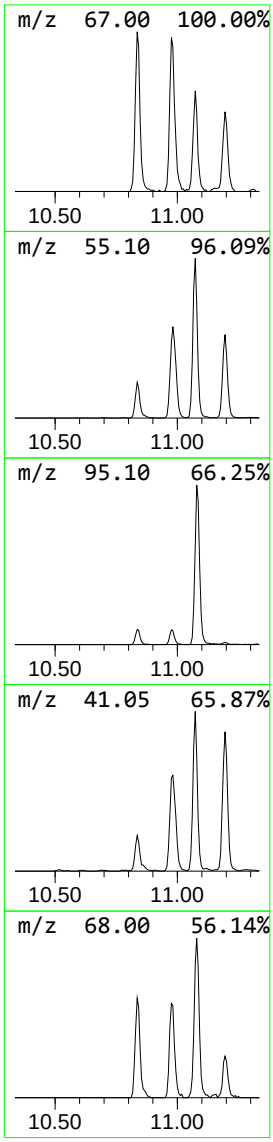
**********

Peak Number 3 .alpha.-CITRONELLENE Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.835 | 6.07 ug/l | 83000 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-CITRONELLENE | 138 | C10H18 | 006874-35-7 | 90 |
| 2 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 58 |
| 3 | 3-Nonyne | 124 | C9H16 | 020184-89-8 | 53 |
| 4 | Cyclopentane, (1-methylethenyl)- | 110 | C8H14 | 055661-02-4 | 49 |
| 5 | 1-Methylcycloheptene | 110 | C8H14 | 055308-20-8 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

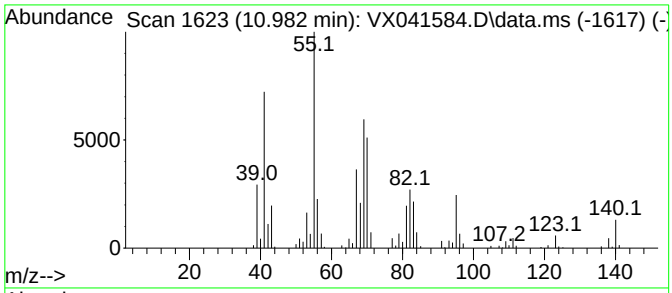
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

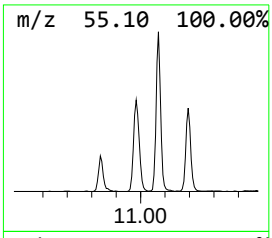
**********

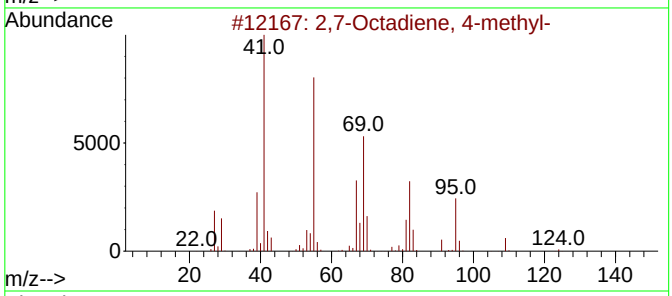
Peak Number 4 unknown10.982 Concentration Rank 6

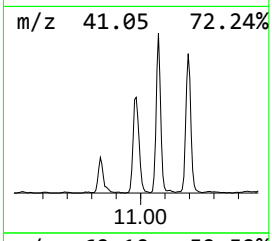
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.982 | 14.50 ug/l | 198308 | Chlorobenzene-d5 | 10.055 |

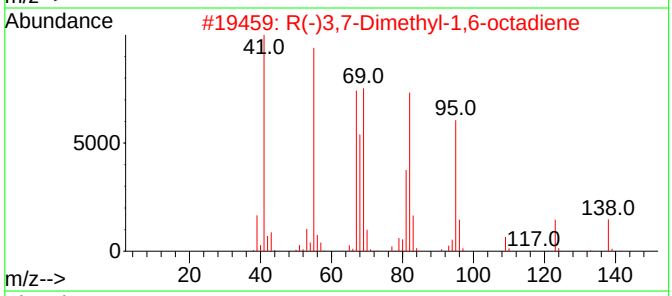
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,7-Octadiene, 4-methyl- | 124 | C9H16 | 1000061-78-0 | 45 |
| 2 | R(-)3,7-Dimethyl-1,6-octadiene | 138 | C10H18 | 010281-56-8 | 43 |
| 3 | 2H,6H-Cyclopenta[b][1,4]dioxepin... | 140 | C8H12O2 | 038653-39-3 | 35 |
| 4 | 3,7-Dimethyl-3-octyl methylphosp... | 238 | C11H24FO2P | 159395-79-6 | 35 |
| 5 | 5-Decene, (E)- | 140 | C10H20 | 007433-56-9 | 35 |

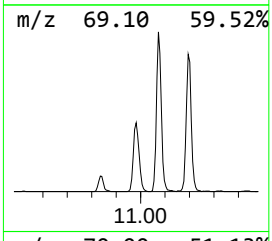


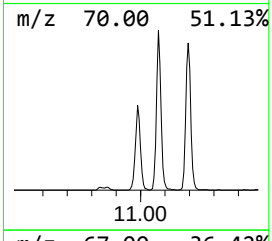



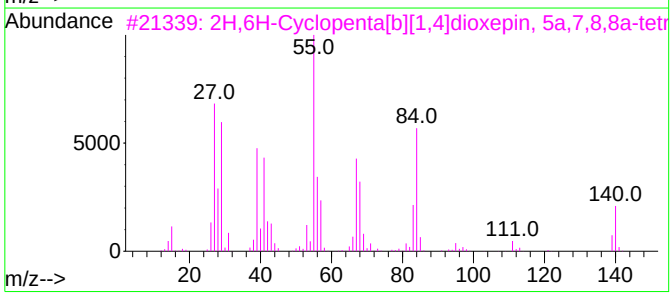



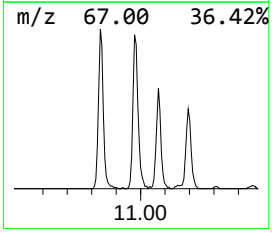



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

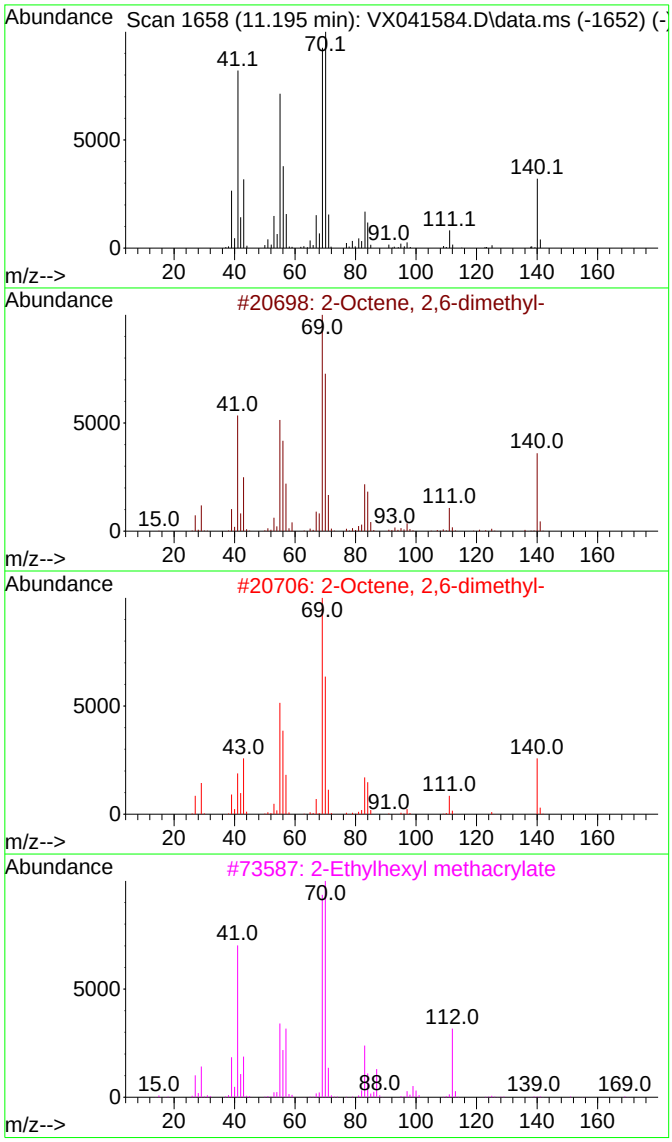
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

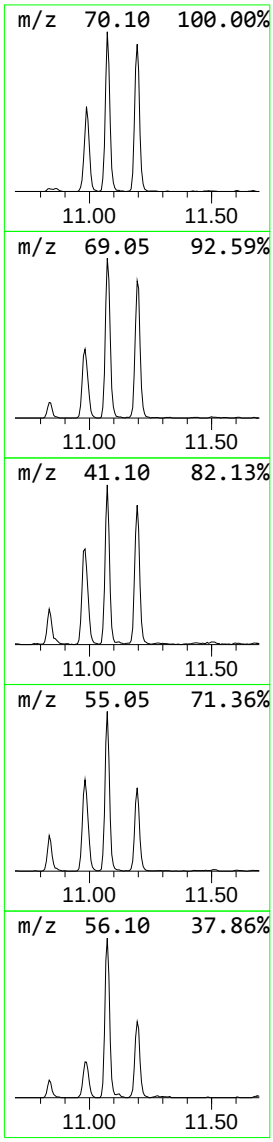
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 2-Octene, 2,6-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.195 | 15.80 ug/l | 216039 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 81 |
| 2 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 81 |
| 3 | 2-Ethylhexyl methacrylate | 198 | C12H22O2 | 000688-84-6 | 64 |
| 4 | 2,3-Dimethyl-1-hexene | 112 | C8H16 | 016746-86-4 | 64 |
| 5 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

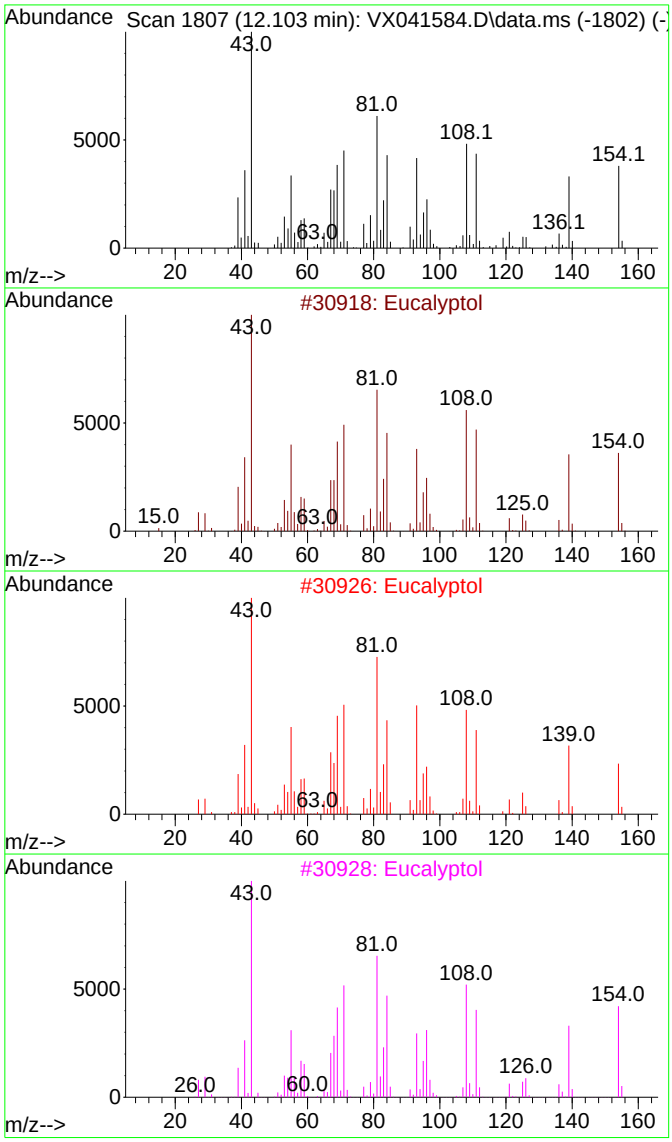
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

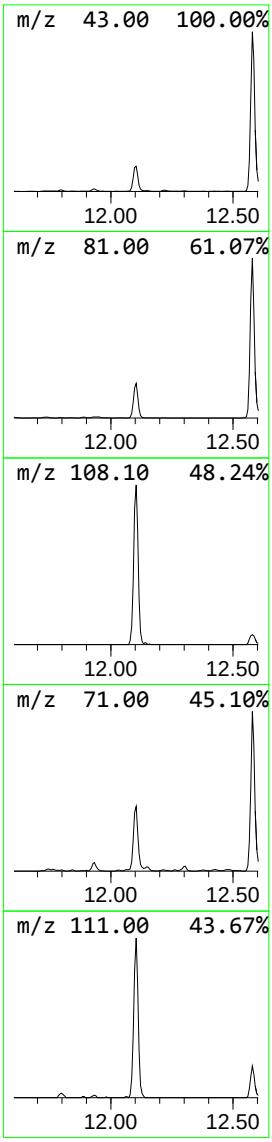
**********

Peak Number 6 Eucalyptol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.103 | 23.88 ug/l | 326575 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 99 |
| 2 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 95 |
| 3 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 94 |
| 4 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 91 |
| 5 | Trifluoroacetyl-.alpha.-terpineol | 250 | C12H17F3O2 | 1000058-17-6 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

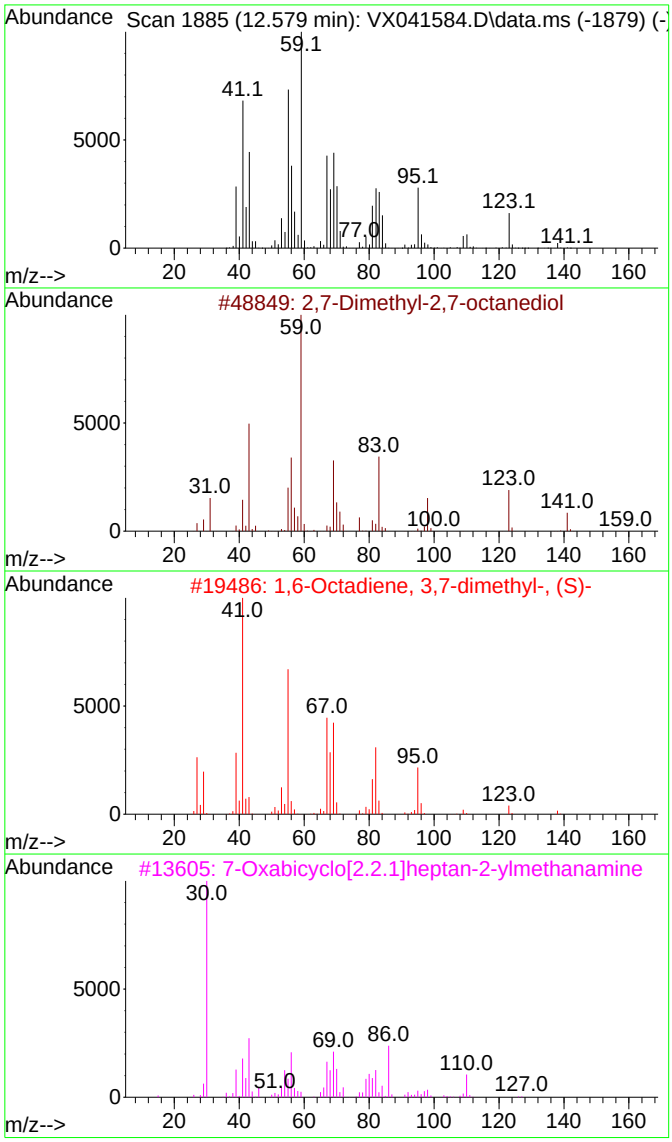
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

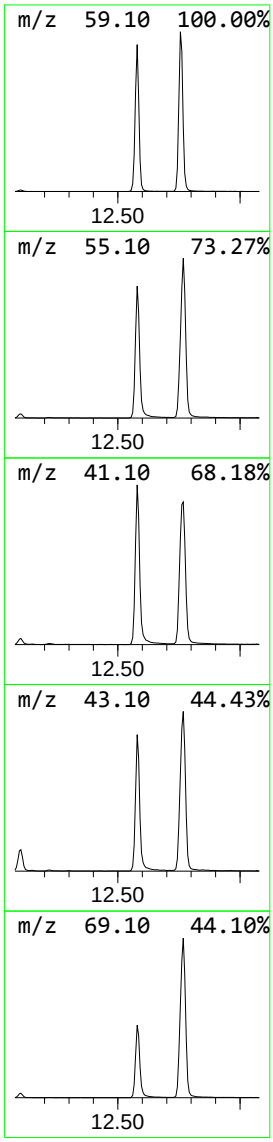
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 unknown12.579 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.579 | 266.90 ug/l | 3649940 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,7-Dimethyl-2,7-octanediol | 174 | C10H22O2 | 019781-07-8 | 43 |
| 2 | 1,6-Octadiene, 3,7-dimethyl-, (S)- | 138 | C10H18 | 010281-55-7 | 38 |
| 3 | 7-Oxabicyclo[2.2.1]heptan-2-ylme... | 127 | C7H13NO | 053751-28-3 | 38 |
| 4 | Butane, 1,1'-[(1-methylethyliden... | 188 | C11H24O2 | 000141-72-0 | 27 |
| 5 | n-Tridecan-1-ol | 200 | C13H28O | 000112-70-9 | 27 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

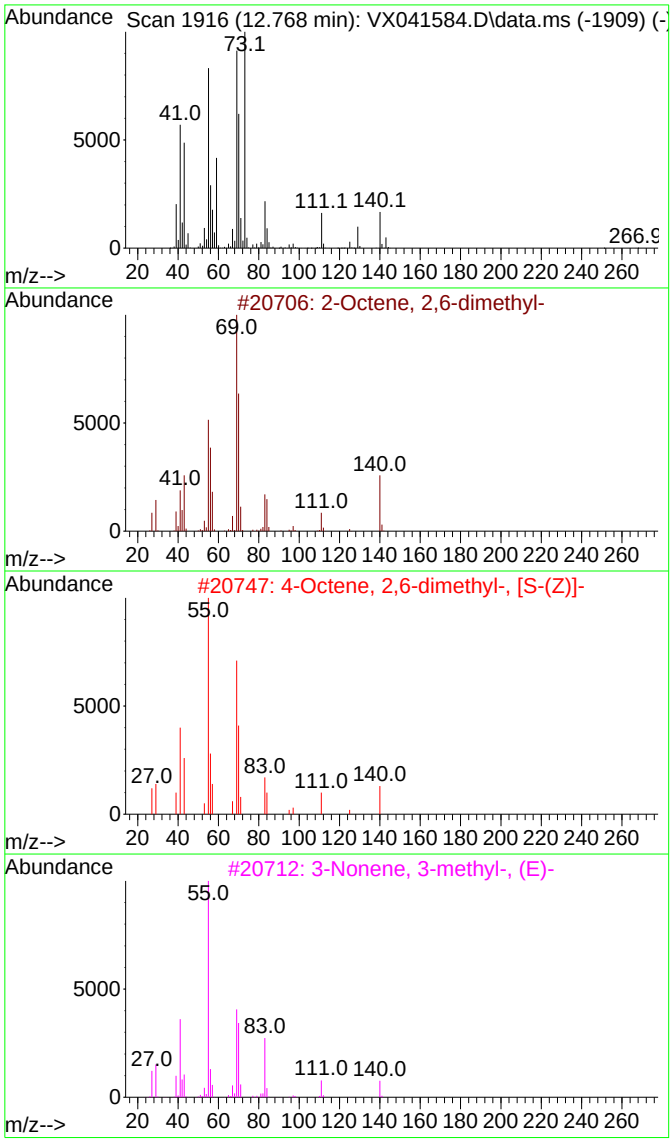
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

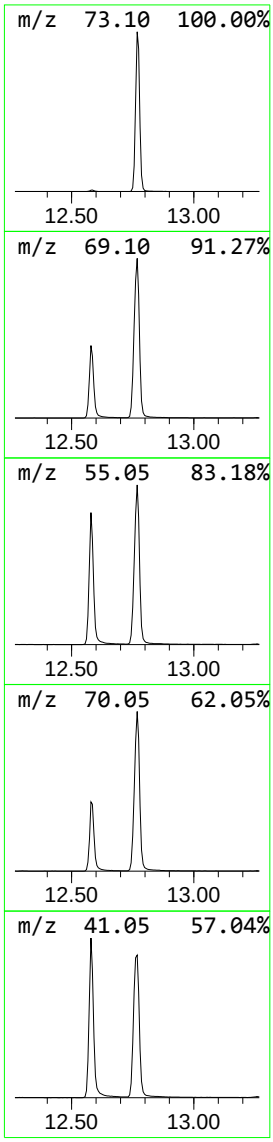
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.768 | 341.12 ug/l | 4664950 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octene, 2,6-dimethyl- | 140 | C10H20 | 004057-42-5 | 58 |
| 2 | 4-Octene, 2,6-dimethyl-, [S-(Z)]- | 140 | C10H20 | 062960-77-4 | 53 |
| 3 | 3-Nonene, 3-methyl-, (E)- | 140 | C10H20 | 069405-42-1 | 52 |
| 4 | 3-Octene, 2,6-dimethyl- | 140 | C10H20 | 006874-28-8 | 49 |
| 5 | 3-Octene, 4-ethyl- | 140 | C10H20 | 053966-51-1 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

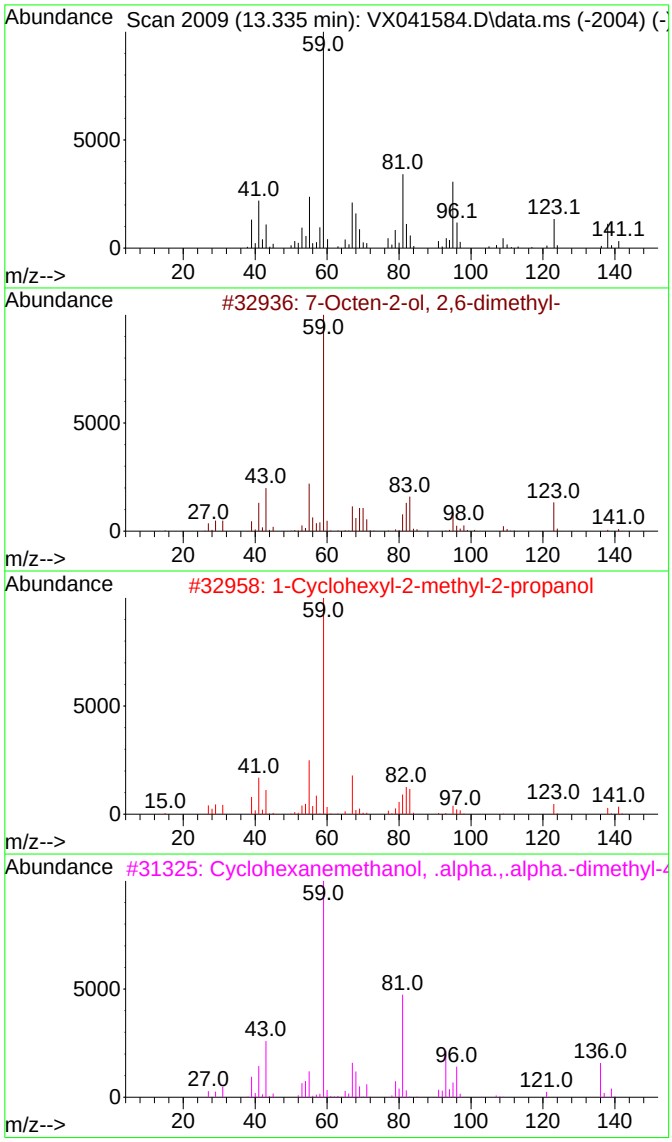
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

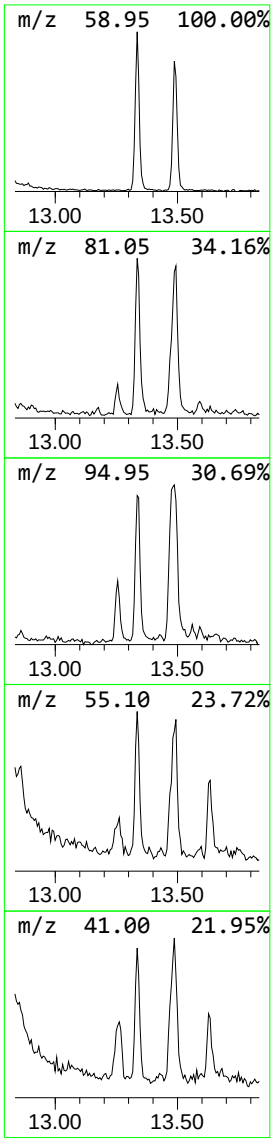
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 unknown13.335 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.335 | 5.40 ug/l | 73878 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Octen-2-ol, 2,6-dimethyl- | 156 | C10H20O | 018479-58-8 | 40 |
| 2 | 1-Cyclohexyl-2-methyl-2-propanol | 156 | C10H20O | 005531-30-6 | 36 |
| 3 | Cyclohexanemethanol, .alpha.,.al... | 154 | C10H18O | 007299-42-5 | 36 |
| 4 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 33 |
| 5 | Cyclooctanemethanol, .alpha.,.al... | 170 | C11H22O | 016624-06-9 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

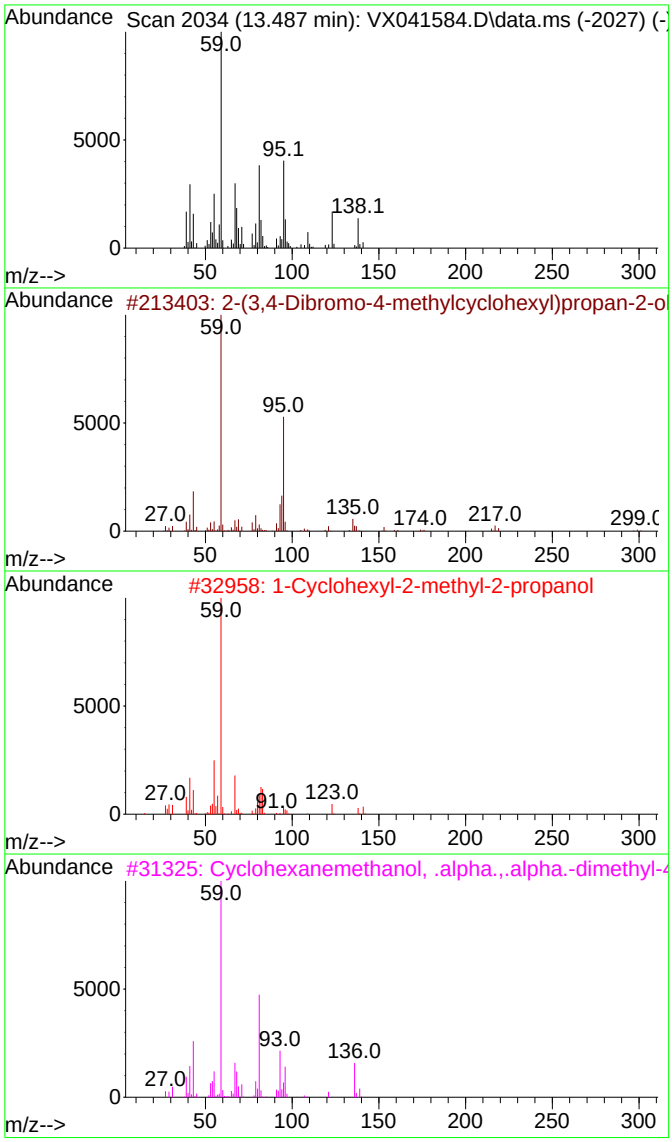
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

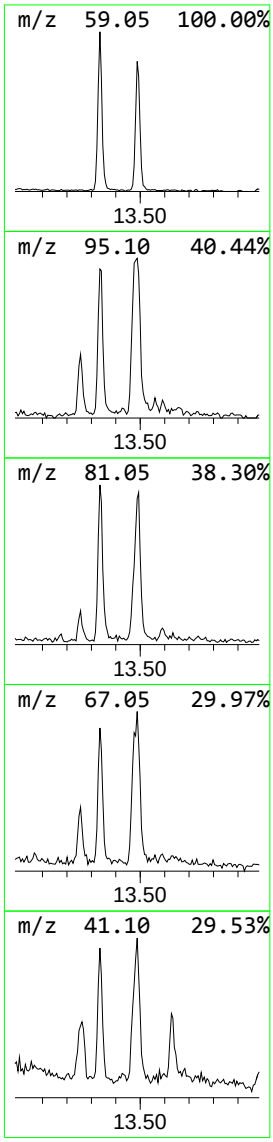
**********

Peak Number 10 unknown13.487 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.487 | 8.12 ug/l | 111038 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(3,4-Dibromo-4-methylcyclohexy... | 312 | C10H18Br2O | 110202-13-6 | 38 |
| 2 | 1-Cyclohexyl-2-methyl-2-propanol | 156 | C10H20O | 005531-30-6 | 36 |
| 3 | Cyclohexanemethanol, .alpha.,.al... | 154 | C10H18O | 007299-42-5 | 28 |
| 4 | 2-Hexanol, 2,3-dimethyl- | 130 | C8H18O | 019550-03-9 | 27 |
| 5 | 1,8-Nonanediol, 8-methyl- | 174 | C10H22O2 | 054725-73-4 | 25 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
Data File : VX041584.D
Acq On : 21 May 2024 13:15
Operator : JC/MD
Sample : P2545-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
240515007-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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 | 2.105 | 7.8 | ug/l | 48061 | 1 | 4.897 | 185824 | 30.0 |
| Isopropyl Alcohol | 2.581 | 41.6 | ug/l | 257492 | 1 | 4.897 | 185824 | 30.0 |
| .alpha.-CITRONE... | 10.835 | 6.1 | ug/l | 83000 | 3 | 10.055 | 410263 | 30.0 |
| unknown10.982 | 10.982 | 14.5 | ug/l | 198308 | 3 | 10.055 | 410263 | 30.0 |
| 2-Octene, 2,6-d... | 11.195 | 15.8 | ug/l | 216039 | 3 | 10.055 | 410263 | 30.0 |
| Eucalyptol | 12.103 | 23.9 | ug/l | 326575 | 3 | 10.055 | 410263 | 30.0 |
| unknown12.579 | 12.579 | 266.9 | ug/l | 3649940 | 3 | 10.055 | 410263 | 30.0 |
| 4-Octene, 2,6-d... | 12.768 | 341.1 | ug/l | 4664950 | 3 | 10.055 | 410263 | 30.0 |
| unknown13.335 | 13.335 | 5.4 | ug/l | 73878 | 3 | 10.055 | 410263 | 30.0 |
| unknown13.487 | 13.487 | 8.1 | ug/l | 111038 | 3 | 10.055 | 410263 | 30.0 |