LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

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_N\METHODS\624N090919W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.979 | 56 | 64 | 75 | rBV | 356146 | 471012 | 5.51% | 1.424% |
| 2 | 3.799 | 614 | 630 | 655 | rBV3 | 83774 | 229549 | 2.69% | 0.694% |
| 3 | 4.240 | 751 | 767 | 789 | rBV4 | 32624 | 104216 | 1.22% | 0.315% |
| 4 | 4.751 | 897 | 926 | 978 | rBV | 1844360 | 6476017 | 75.76% | 19.586% |
| 5 | 5.014 | 991 | 1008 | 1029 | rVB3 | 23594 | 85903 | 1.00% | 0.260% |
| 6 | 6.799 | 1534 | 1563 | 1617 | rBV | 2642499 | 8547681 | 100.00% | 25.851% |
| 7 | 7.188 | 1662 | 1684 | 1725 | rBV | 1962358 | 5490988 | 64.24% | 16.607% |
| 8 | 8.014 | 1922 | 1941 | 1962 | rBV2 | 282094 | 749761 | 8.77% | 2.268% |
| 9 | 8.117 | 1963 | 1973 | 1989 | rVB3 | 64866 | 151494 | 1.77% | 0.458% |
| 10 | 8.230 | 1991 | 2008 | 2009 | rBV2 | 63851 | 138963 | 1.63% | 0.420% |
| 11 | 8.429 | 2064 | 2070 | 2096 | rVB2 | 42230 | 100201 | 1.17% | 0.303% |
| 12 | 8.574 | 2100 | 2115 | 2136 | rVB | 505145 | 1071475 | 12.54% | 3.240% |
| 13 | 9.378 | 2353 | 2365 | 2372 | rBV3 | 45192 | 90062 | 1.05% | 0.272% |
| 14 | 9.972 | 2533 | 2550 | 2564 | rBV4 | 45212 | 135111 | 1.58% | 0.409% |
| 15 | 10.085 | 2572 | 2585 | 2597 | rBV | 814482 | 1494055 | 17.48% | 4.519% |
| 16 | 10.149 | 2597 | 2605 | 2611 | rVV | 98613 | 181536 | 2.12% | 0.549% |
| 17 | 10.191 | 2611 | 2618 | 2649 | rVB | 134722 | 262852 | 3.08% | 0.795% |
| 18 | 10.718 | 2765 | 2782 | 2803 | rBV | 342666 | 638868 | 7.47% | 1.932% |
| 19 | 10.841 | 2810 | 2820 | 2844 | rVB10 | 36155 | 109709 | 1.28% | 0.332% |
| 20 | 11.406 | 2982 | 2996 | 3012 | rBV | 717235 | 1290752 | 15.10% | 3.904% |
| 21 | 11.500 | 3017 | 3025 | 3035 | rBV4 | 49309 | 91047 | 1.07% | 0.275% |
| 22 | 11.619 | 3049 | 3062 | 3072 | rBV | 286220 | 544596 | 6.37% | 1.647% |
| 23 | 11.950 | 3153 | 3165 | 3180 | rVB | 203401 | 354332 | 4.15% | 1.072% |
| 24 | 12.249 | 3247 | 3258 | 3269 | rVB5 | 51462 | 101745 | 1.19% | 0.308% |
| 25 | 12.403 | 3295 | 3306 | 3327 | rVB | 572381 | 1001942 | 11.72% | 3.030% |
| 26 | 13.043 | 3495 | 3505 | 3517 | rVB | 105419 | 176824 | 2.07% | 0.535% |
| 27 | 13.172 | 3532 | 3545 | 3555 | rBV2 | 132419 | 232831 | 2.72% | 0.704% |
| 28 | 13.374 | 3598 | 3608 | 3619 | rVV3 | 118636 | 221476 | 2.59% | 0.670% |
| 29 | 13.445 | 3621 | 3630 | 3645 | rVB3 | 30976 | 90408 | 1.06% | 0.273% |
| 30 | 13.551 | 3654 | 3663 | 3672 | rBV | 59867 | 100227 | 1.17% | 0.303% |
| 31 | 13.824 | 3738 | 3748 | 3759 | rBV7 | 110419 | 219975 | 2.57% | 0.665% |
| 32 | 13.885 | 3759 | 3767 | 3779 | rVB2 | 213888 | 359380 | 4.20% | 1.087% |
| 33 | 13.988 | 3782 | 3799 | 3805 | rBV6 | 34598 | 95576 | 1.12% | 0.289% |
| 34 | 14.230 | 3859 | 3874 | 3890 | rBV2 | 368832 | 744414 | 8.71% | 2.251% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

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_N\METHODS\624N090919W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.583 | 3975 | 3984 | 4003 | rVB8 | 50682 | 110181 | 1.29% | 0.333% |
| 36 | 14.718 | 4014 | 4026 | 4031 | rBV2 | 46306 | 94127 | 1.10% | 0.285% |
| 37 | 14.818 | 4045 | 4057 | 4063 | rBV5 | 120306 | 246818 | 2.89% | 0.746% |
| 38 | 14.856 | 4063 | 4069 | 4077 | rVV2 | 130430 | 221168 | 2.59% | 0.669% |
| 39 | 14.911 | 4078 | 4086 | 4098 | rVB4 | 135945 | 237847 | 2.78% | 0.719% |

Sum of corrected areas: 33065119

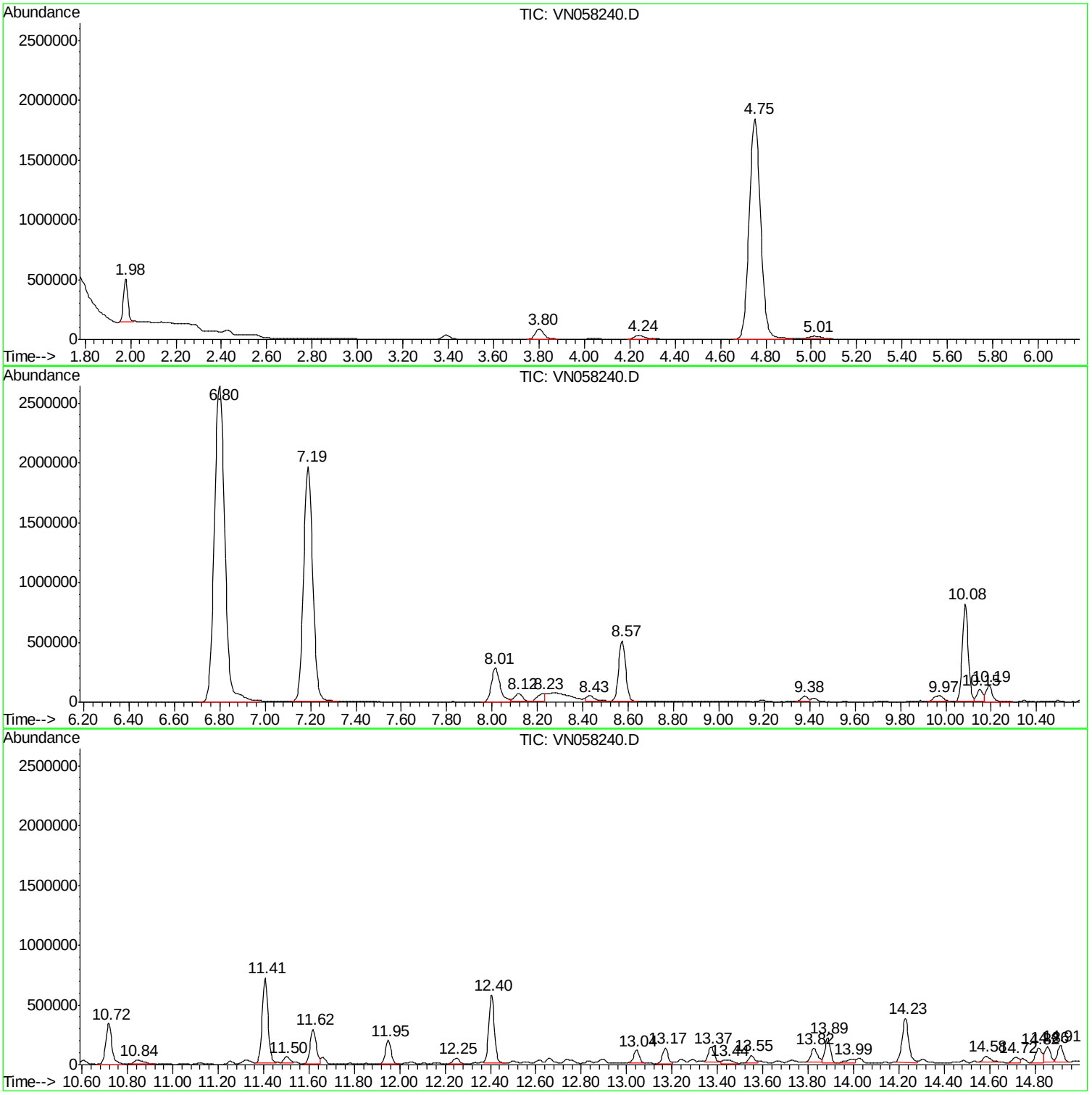
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

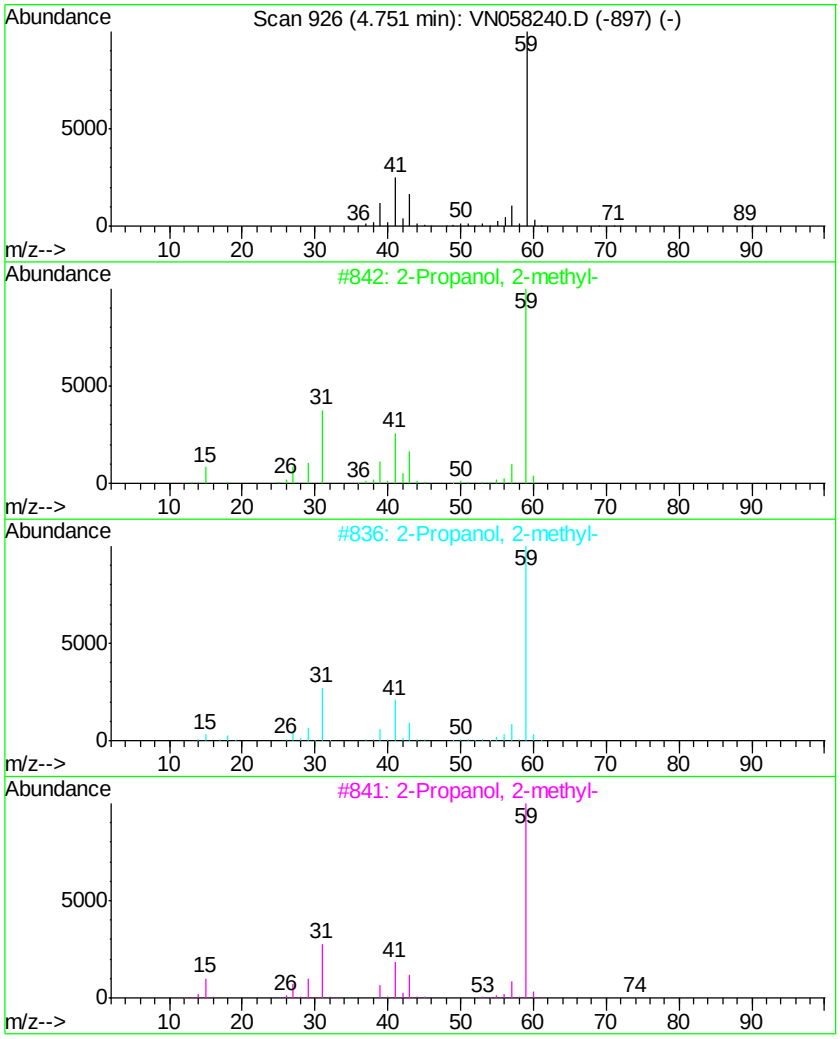
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

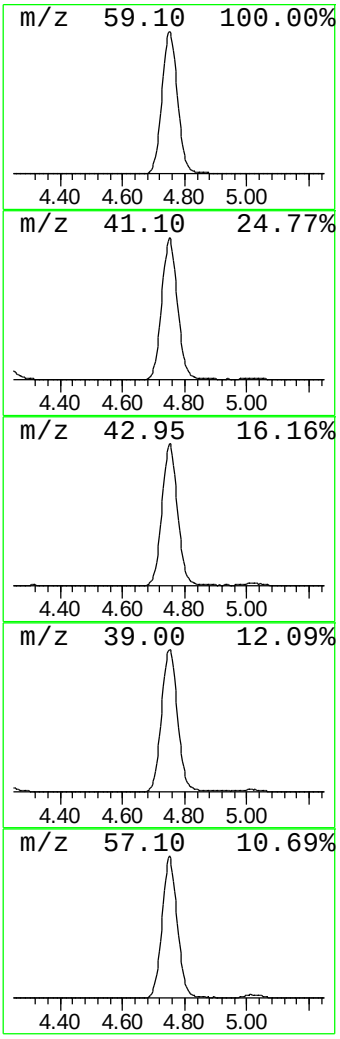
**********

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.75 | 35.38 ug/l | 6476020 | Bromochloromethane | 7.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 78 |
| 2 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 64 |
| 3 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 43 |
| 4 | 3-Pentanol | 88 | C5H12O | 000584-02-1 | 40 |
| 5 | 2-Propanol, 2-methyl- | 74 | C4H10O | 000075-65-0 | 25 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

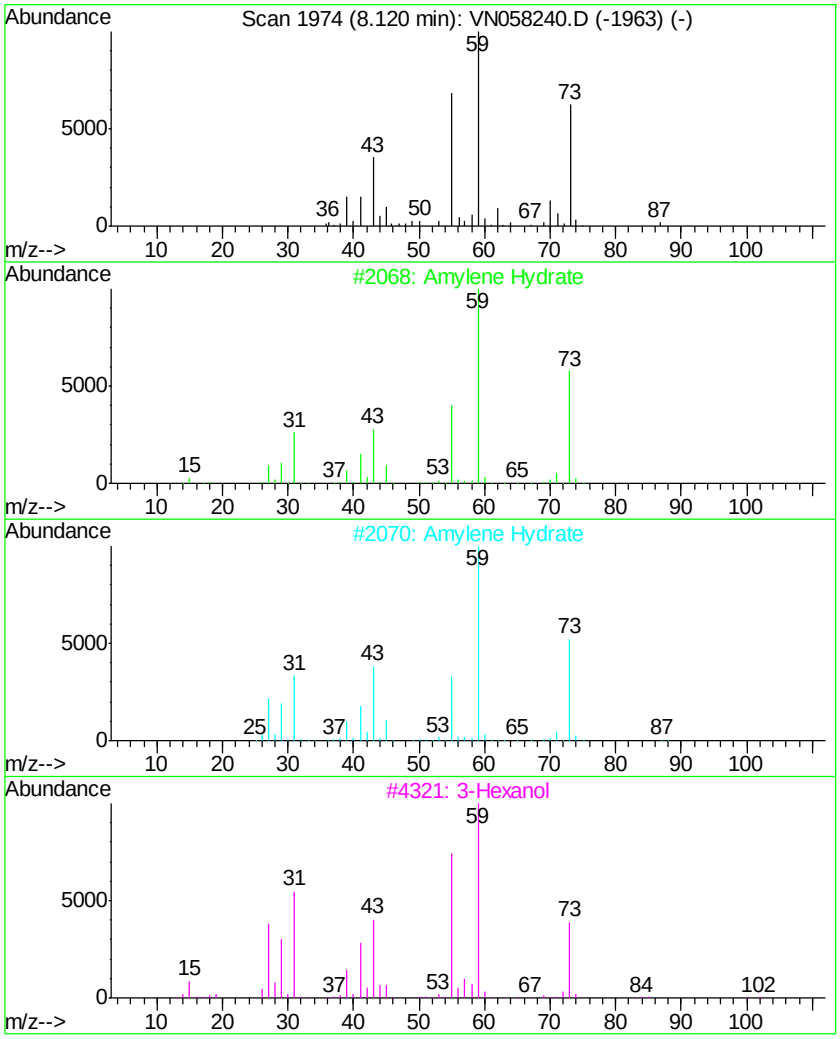
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

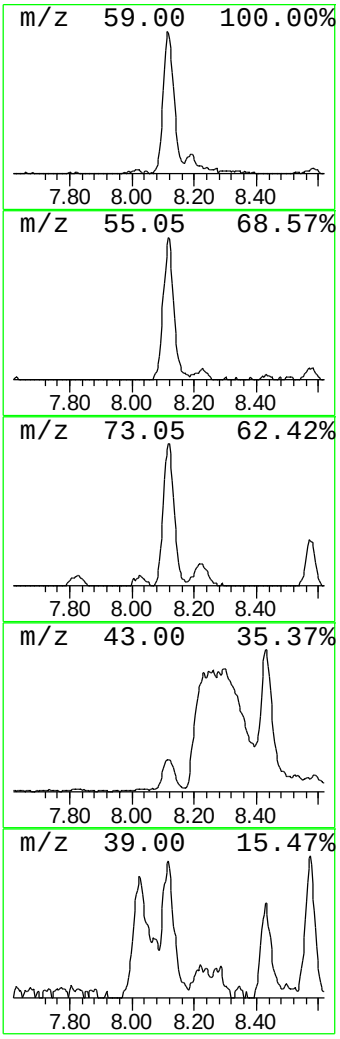
**********

Peak Number 2 Amylene Hydrate Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.12 | 4.24 ug/l | 151494 | 1,4-Difluorobenzene | 8.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Amylene Hydrate | 88 | C5H12O | 000075-85-4 | 72 |
| 2 | Amylene Hydrate | 88 | C5H12O | 000075-85-4 | 64 |
| 3 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 64 |
| 4 | Amylene Hydrate | 88 | C5H12O | 000075-85-4 | 64 |
| 5 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

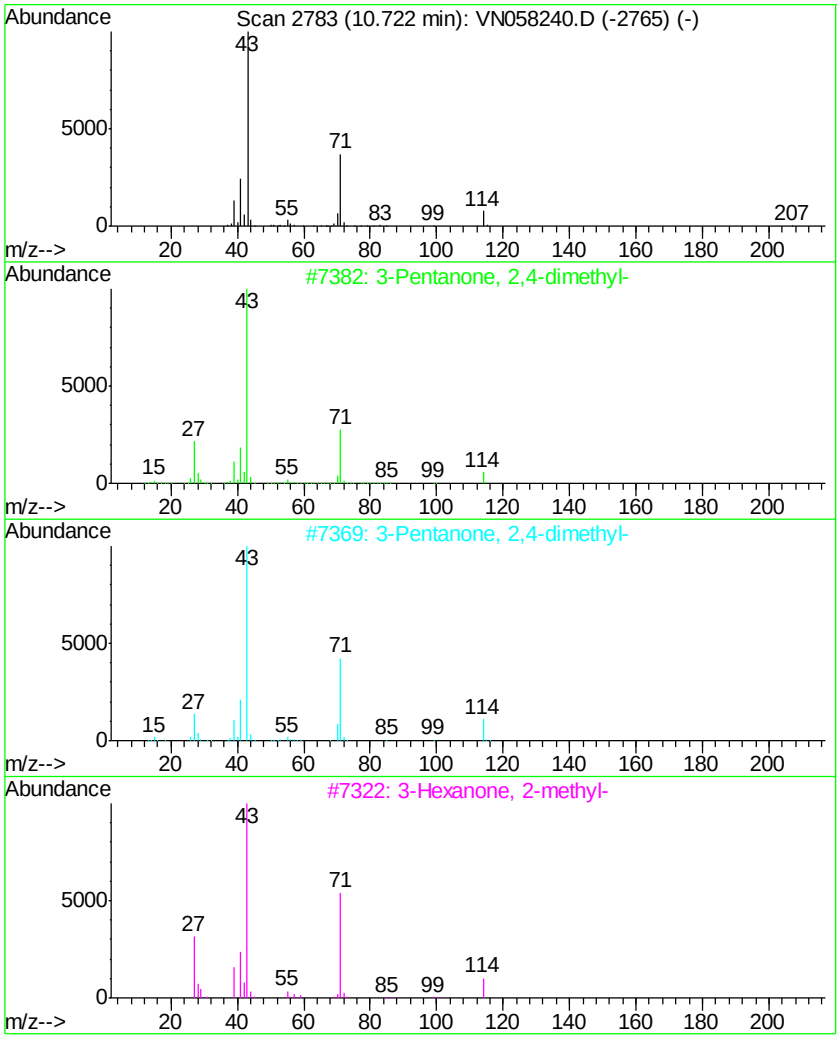
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

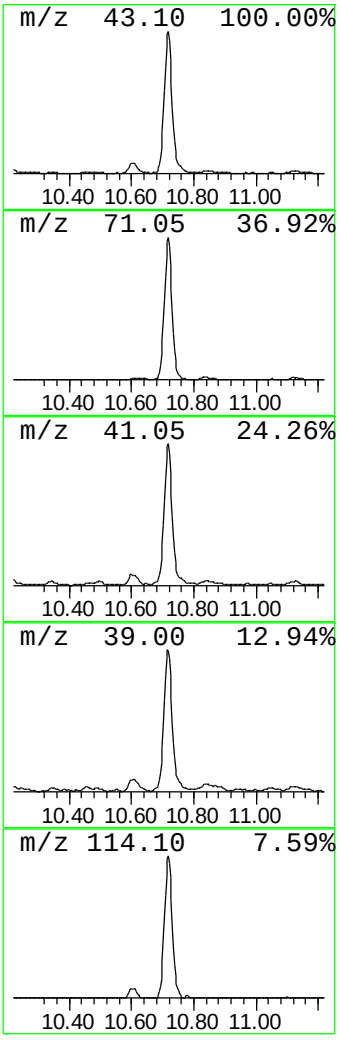
**********

Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.72 | 14.85 ug/l | 638868 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 86 |
| 2 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 72 |
| 3 | 3-Hexanone, 2-methyl- | 114 | C7H14O | 007379-12-6 | 72 |
| 4 | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O | 000565-80-0 | 68 |
| 5 | Pyrrolidine | 71 | C4H9N | 000123-75-1 | 59 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

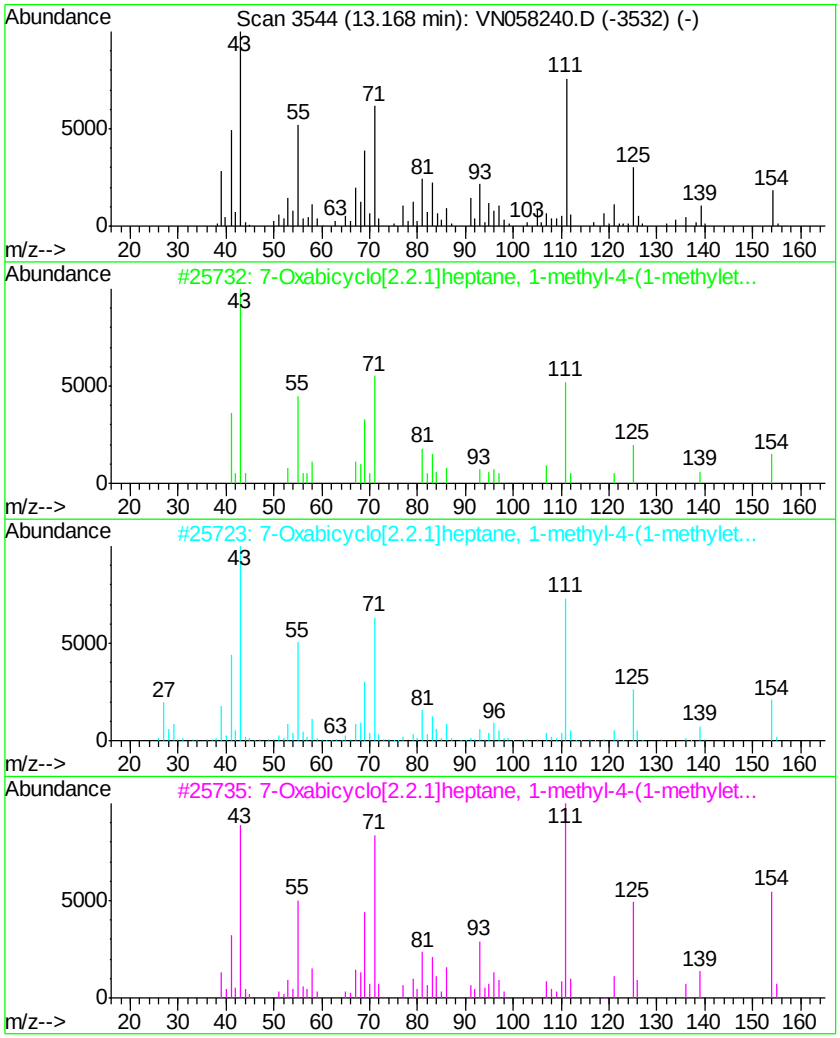
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

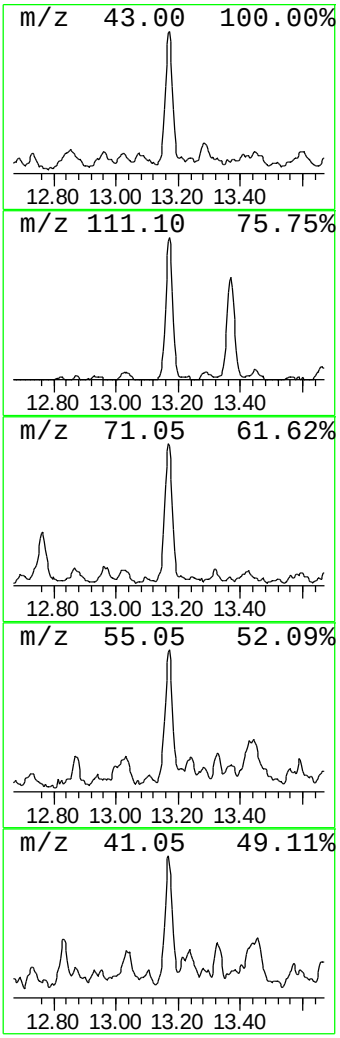
**********

Peak Number 4 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.17 | 5.41 ug/l | 232831 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 93 |
| 2 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 92 |
| 3 | 7-Oxabicyclo[2.2.1]heptane, 1-me... | 154 | C10H18O | 000470-67-7 | 80 |
| 4 | Cyclohexanone, 2-methyl-5-(1-met... | 154 | C10H18O | 000499-70-7 | 49 |
| 5 | 3-Cyclohexen-1-ol, 4-methyl-1-(1... | 154 | C10H18O | 000562-74-3 | 46 |



# Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

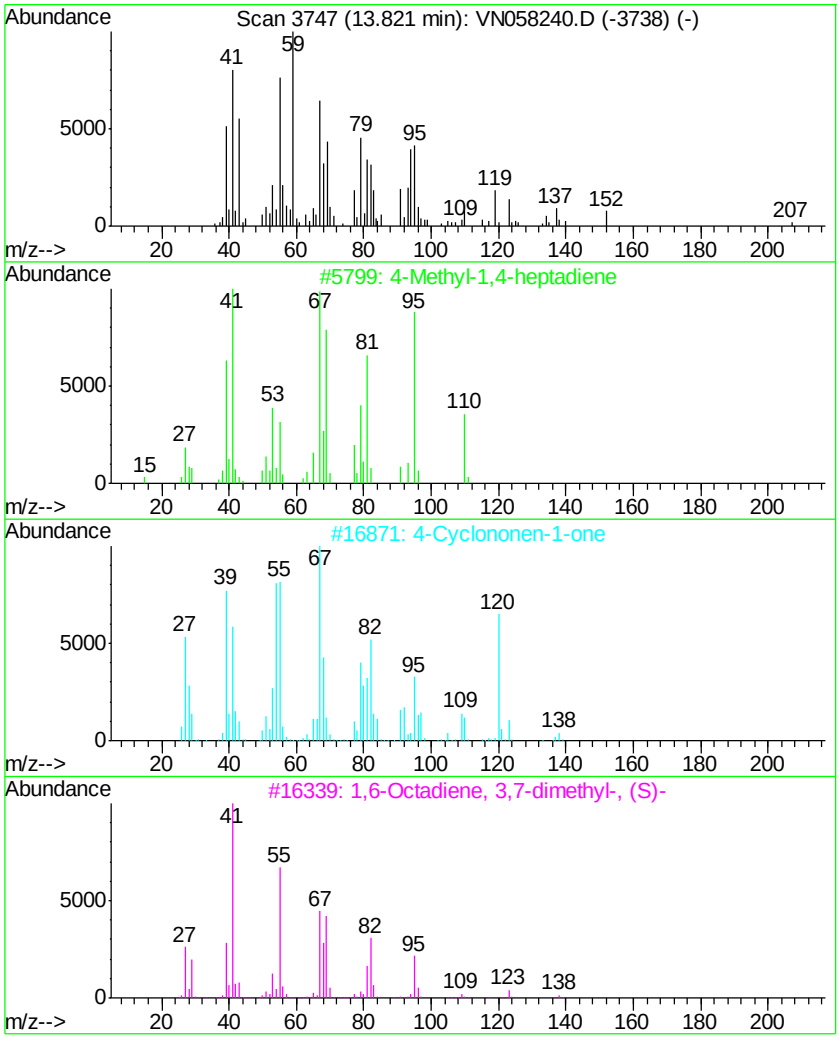
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

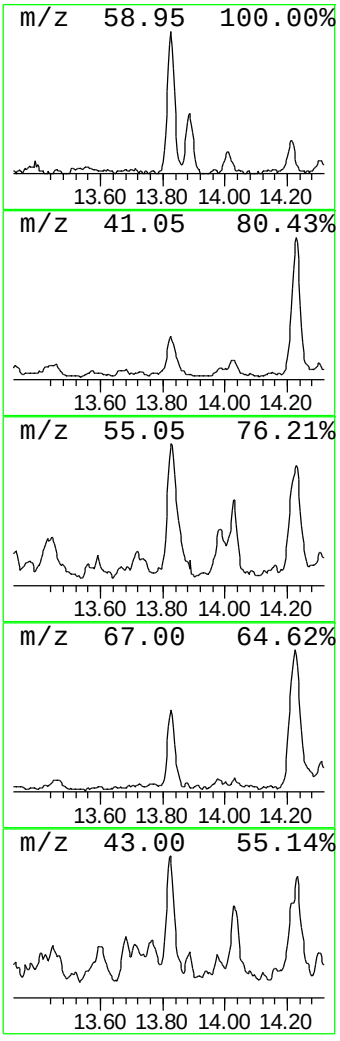
**********

Peak Number 5 unknown13.82 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.82 | 5.11 ug/l | 219975 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methyl-1,4-heptadiene | 110 | C8H14 | 013857-55-1 | 38 |
| 2 | 4-Cyclononen-1-one | 138 | C9H14O | 058746-30-8 | 30 |
| 3 | 1,6-Octadiene, 3,7-dimethyl-, (S)- | 138 | C10H18 | 010281-55-7 | 30 |
| 4 | 4-Decyne | 138 | C10H18 | 002384-86-3 | 25 |
| 5 | 2,7-Octadiene, 4-methyl- | 124 | C9H16 | 1000061-78-0 | 25 |



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Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

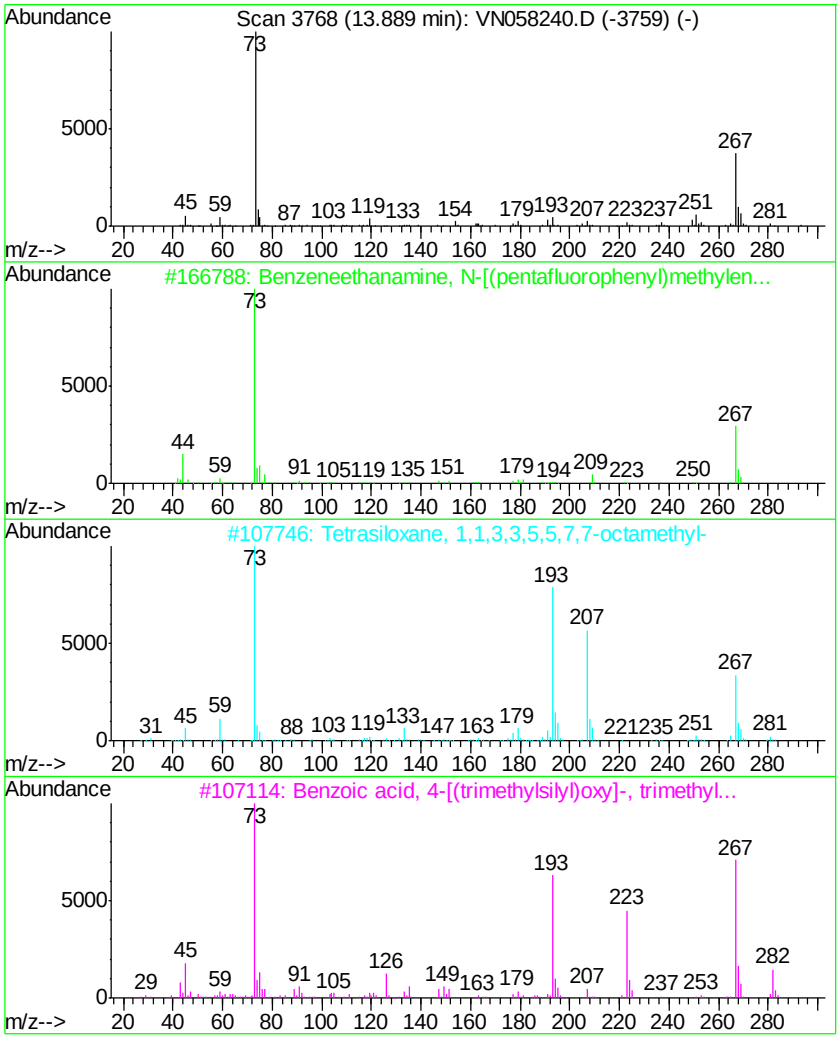
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

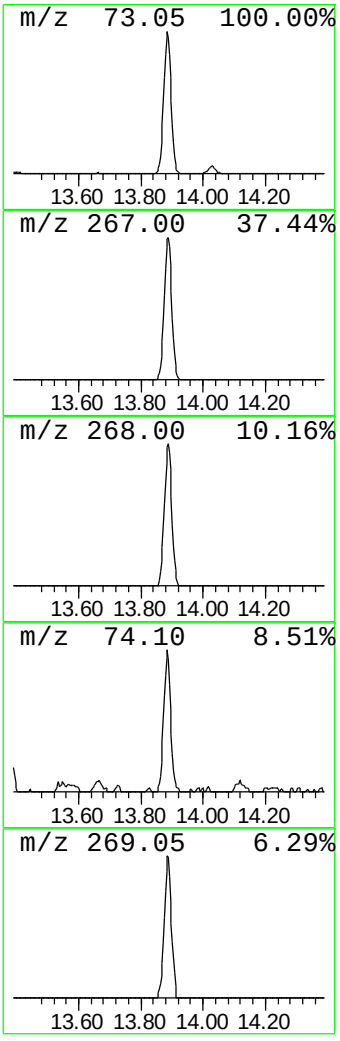
**********

Peak Number 6 Benzeneethanamine, N-[(pent... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 8.35 ug/l | 359380 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneethanamine, N-[(pentafluo... | 475 | C21H26F5NO2Si2 | 055429-85-1 | 59 |
| 2 | Tetrasiloxane, 1,1,3,3,5,5,7,7-o... | 282 | C8H26O3Si4 | 001000-05-1 | 50 |
| 3 | Benzoic acid, 4-[(trimethylsilyl... | 282 | C13H22O3Si2 | 002078-13-9 | 45 |
| 4 | Hexanoic acid, 6-bromo-, trimeth... | 266 | C9H19BrO2Si | 034176-76-6 | 10 |
| 5 | 2-(O-Trimethylsilyloxyphenyl)-1-... | 282 | C14H26O2Si2 | 1000079-07-9 | 10 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

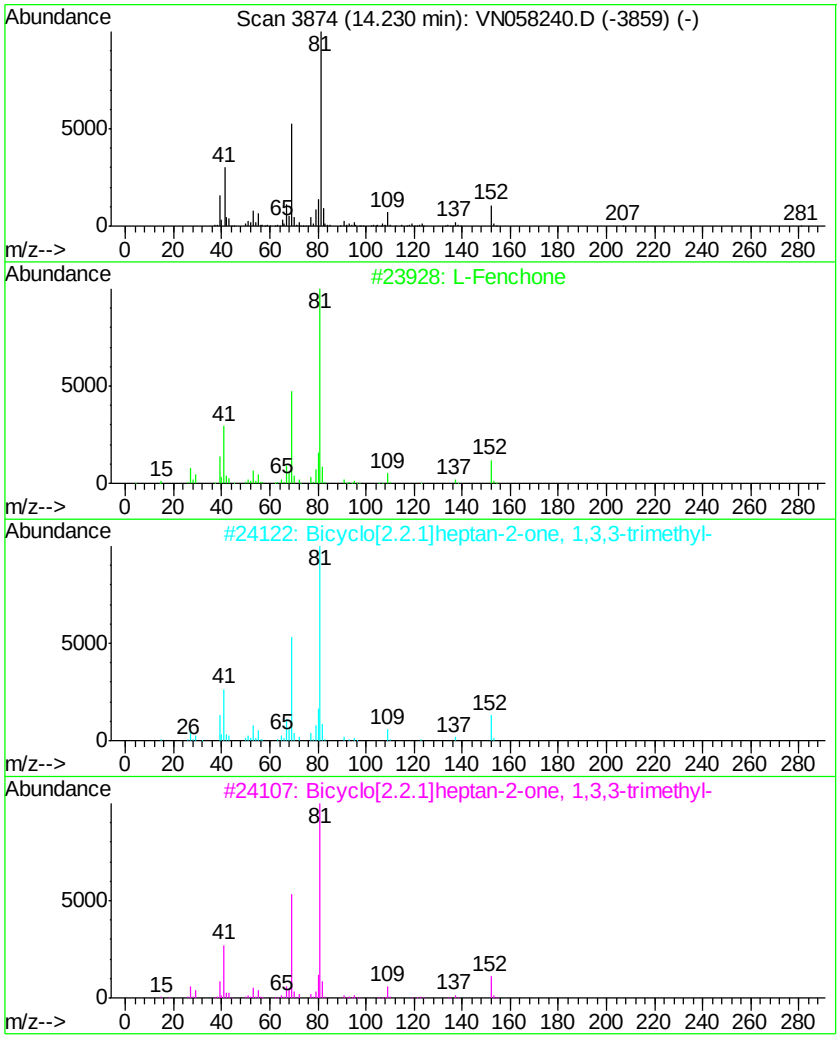
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

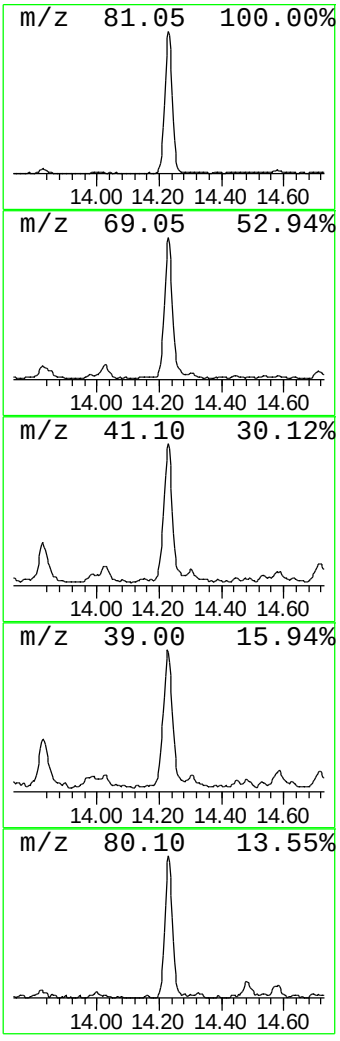
**********

Peak Number 7 L-Fenchone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.23 | 17.30 ug/l | 744414 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | L-Fenchone | 152 | C10H16O | 000126-21-6 | 95 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 95 |
| 3 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 004695-62-9 | 95 |
| 4 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 007787-20-4 | 94 |
| 5 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 94 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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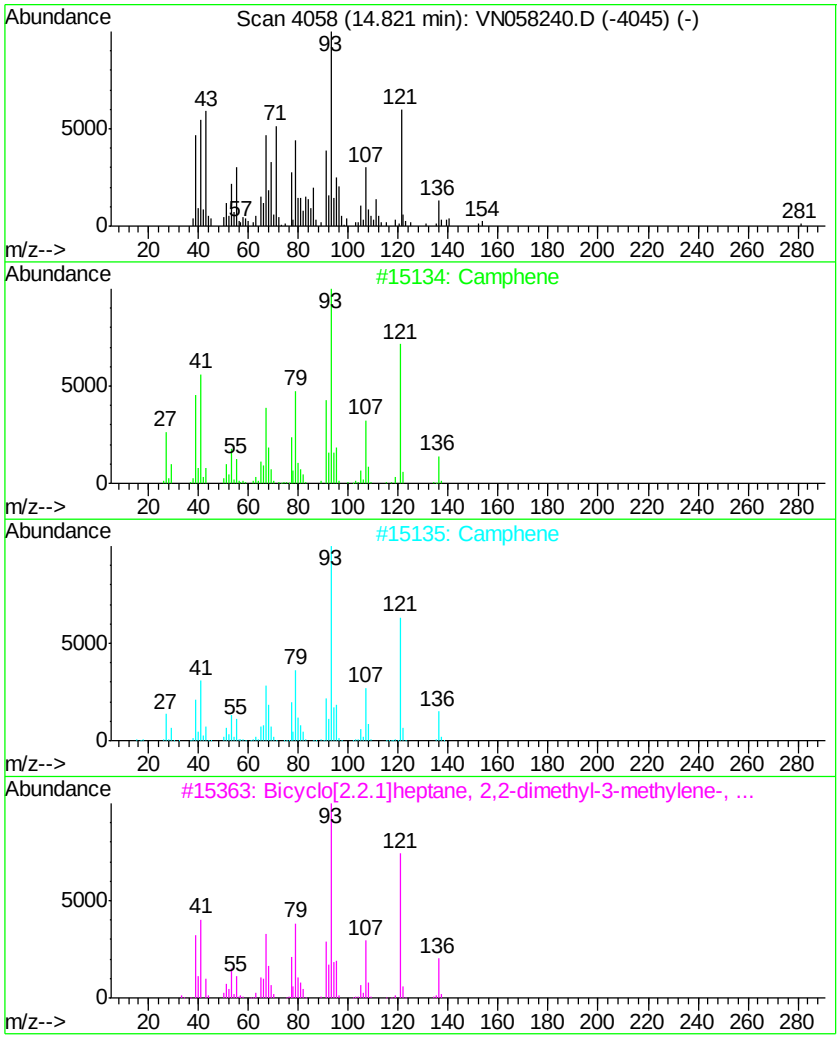
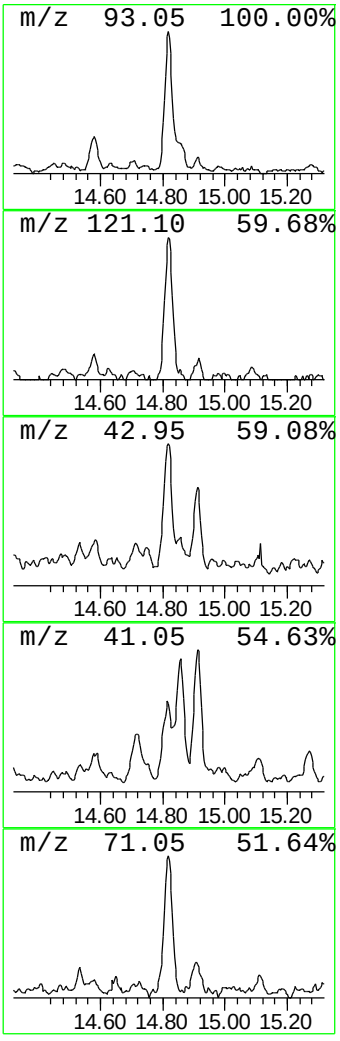
Peak Number 8 Camphene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 5.74 ug/l | 246818 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphene | 136 | C10H16 | 000079-92-5 | 96 |
| 2 | Camphene | 136 | C10H16 | 000079-92-5 | 96 |
| 3 | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16 | 005794-04-7 | 93 |
| 4 | Camphene | 136 | C10H16 | 000079-92-5 | 91 |
| 5 | Camphene | 136 | C10H16 | 000079-92-5 | 91 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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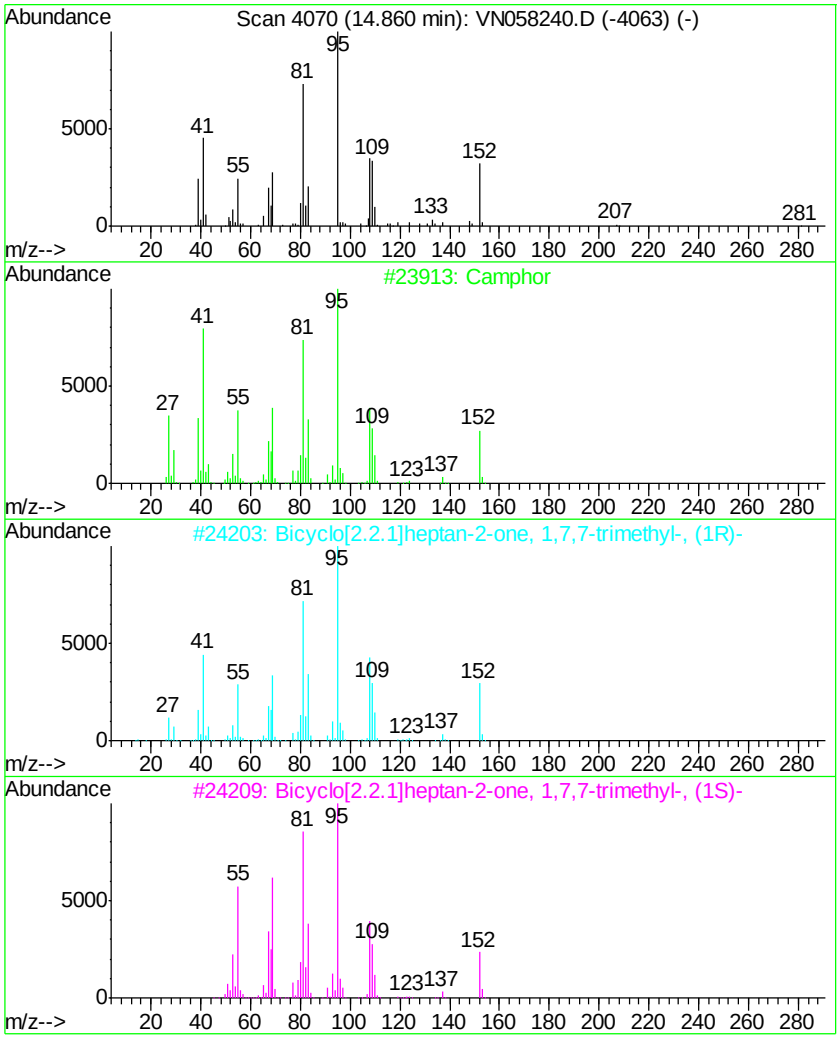
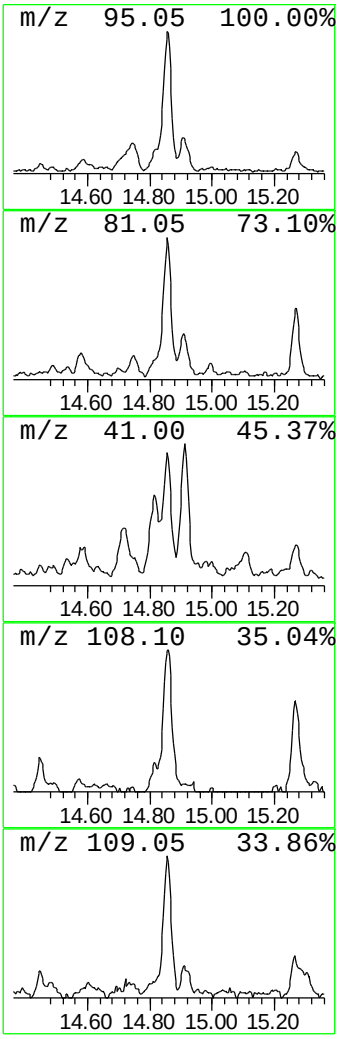
Peak Number 9 Camphor Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.86 | 5.14 ug/l | 221168 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphor | 152 | C10H16O | 000076-22-2 | 91 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-49-3 | 90 |
| 3 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 90 |
| 4 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-49-3 | 87 |
| 5 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-49-3 | 86 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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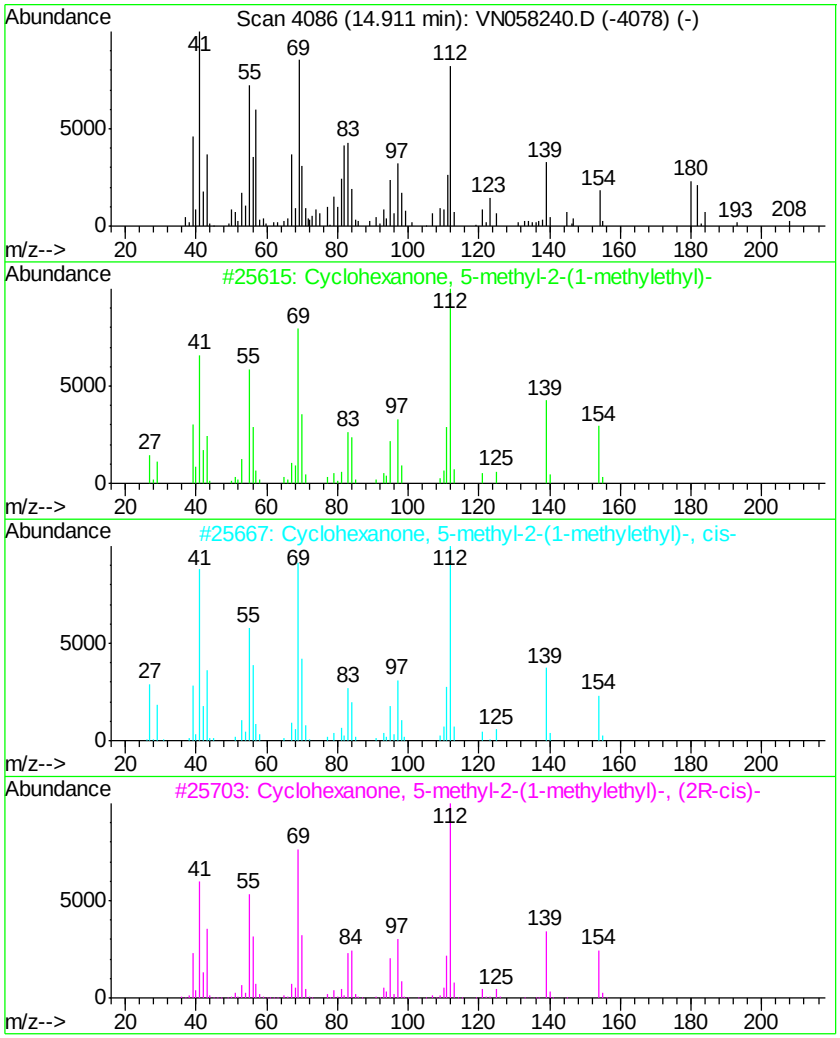
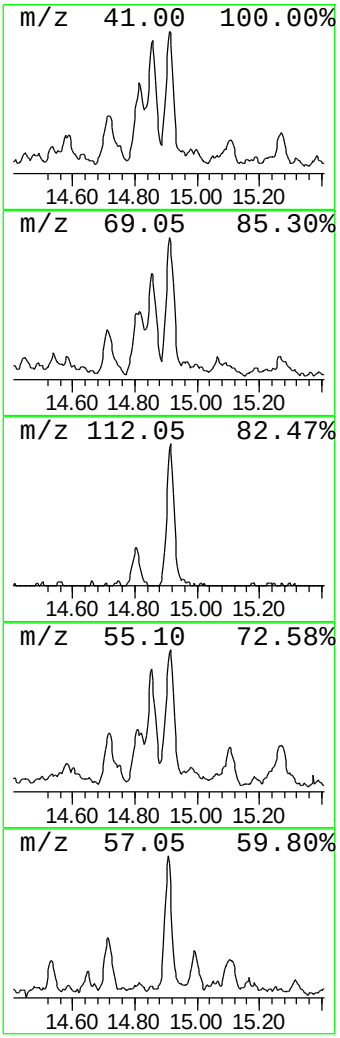
Peak Number 10 Cyclohexanone, 5-methyl-2-(... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.91 | 5.53 ug/l | 237847 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanone, 5-methyl-2-(1-met... | 154 | C10H18O | 010458-14-7 | 96 |
| 2 | Cyclohexanone, 5-methyl-2-(1-met... | 154 | C10H18O | 000491-07-6 | 96 |
| 3 | Cyclohexanone, 5-methyl-2-(1-met... | 154 | C10H18O | 001196-31-2 | 95 |
| 4 | Cyclohexanone, 5-methyl-2-(1-met... | 154 | C10H18O | 000089-80-5 | 92 |
| 5 | Cyclohexanone, 5-methyl-2-(1-met... | 154 | C10H18O | 000089-80-5 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058240.D
Acq On : 20 Sep 2019 11:20
Operator : JC/SP
Sample : K4949-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 390918737.1-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Propanol, 2-met... | 4.75 | 35.4 | ug/l | 6476020 | 1 | 7.18 | 5490990 | 30.0 |
| Amylene Hydrate | 8.12 | 4.2 | ug/l | 151494 | 2 | 8.57 | 1071480 | 30.0 |
| 3-Pentanone, 2,4-... | 10.72 | 14.9 | ug/l | 638868 | 3 | 11.41 | 1290750 | 30.0 |
| 7-Oxabicyclo[2.2.... | 13.17 | 5.4 | ug/l | 232831 | 3 | 11.41 | 1290750 | 30.0 |
| unknown13.82 | 13.82 | 5.1 | ug/l | 219975 | 3 | 11.41 | 1290750 | 30.0 |
| Benzeneethanamine... | 13.89 | 8.3 | ug/l | 359380 | 3 | 11.41 | 1290750 | 30.0 |
| L-Fenchone | 14.23 | 17.3 | ug/l | 744414 | 3 | 11.41 | 1290750 | 30.0 |
| Camphene | 14.82 | 5.7 | ug/l | 246818 | 3 | 11.41 | 1290750 | 30.0 |
| Camphor | 14.86 | 5.1 | ug/l | 221168 | 3 | 11.41 | 1290750 | 30.0 |
| Cyclohexanone, 5-... | 14.91 | 5.5 | ug/l | 237847 | 3 | 11.41 | 1290750 | 30.0 |