LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090519\
Data File : VN057698.D
Acq On : 5 Sep 2019 12:09
Operator : JC/SP
Sample : K4677-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 002-35TH-AVE-(SEP)

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\624N090319W.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 | 1.806 | 4 | 10 | 23 | rBV5 | 8815 | 15202 | 1.09% | 0.199% |
| 2 | 2.439 | 194 | 207 | 220 | rBV | 75716 | 122420 | 8.79% | 1.604% |
| 3 | 3.799 | 612 | 630 | 648 | rBV | 217720 | 568785 | 40.82% | 7.453% |
| 4 | 4.034 | 685 | 703 | 723 | rBV2 | 75966 | 226405 | 16.25% | 2.967% |
| 5 | 6.825 | 1556 | 1571 | 1594 | rBV2 | 7271 | 23299 | 1.67% | 0.305% |
| 6 | 7.182 | 1661 | 1682 | 1707 | rBV3 | 179444 | 495491 | 35.56% | 6.493% |
| 7 | 8.014 | 1926 | 1941 | 1964 | rBV | 219411 | 505304 | 36.26% | 6.621% |
| 8 | 8.577 | 2100 | 2116 | 2136 | rBV | 456665 | 949979 | 68.17% | 12.448% |
| 9 | 9.892 | 2514 | 2525 | 2538 | rBV4 | 11308 | 27848 | 2.00% | 0.365% |
| 10 | 9.979 | 2544 | 2552 | 2563 | rVB5 | 9002 | 15636 | 1.12% | 0.205% |
| 11 | 10.085 | 2571 | 2585 | 2596 | rBV | 678774 | 1256072 | 90.14% | 16.459% |
| 12 | 10.153 | 2596 | 2606 | 2626 | rVB | 753581 | 1393483 | 100.00% | 18.259% |
| 13 | 11.063 | 2876 | 2889 | 2904 | rBV10 | 6047 | 16063 | 1.15% | 0.210% |
| 14 | 11.407 | 2982 | 2996 | 3014 | rBV | 567804 | 1010432 | 72.51% | 13.240% |
| 15 | 11.619 | 3053 | 3062 | 3071 | rBV4 | 8293 | 16356 | 1.17% | 0.214% |
| 16 | 11.808 | 3110 | 3121 | 3132 | rVB6 | 11814 | 19033 | 1.37% | 0.249% |
| 17 | 12.403 | 3293 | 3306 | 3324 | rBV | 342279 | 586788 | 42.11% | 7.689% |
| 18 | 12.895 | 3446 | 3459 | 3468 | rBV8 | 9057 | 17896 | 1.28% | 0.234% |
| 19 | 12.950 | 3468 | 3476 | 3485 | rBV5 | 24799 | 41980 | 3.01% | 0.550% |
| 20 | 13.024 | 3491 | 3499 | 3516 | rVB4 | 26959 | 63386 | 4.55% | 0.831% |
| 21 | 13.159 | 3528 | 3541 | 3555 | rVB9 | 46441 | 123169 | 8.84% | 1.614% |
| 22 | 13.291 | 3572 | 3582 | 3592 | rBV4 | 27770 | 45155 | 3.24% | 0.592% |
| 23 | 13.361 | 3592 | 3604 | 3607 | rBV7 | 37746 | 71806 | 5.15% | 0.941% |
| 24 | 14.583 | 3974 | 3984 | 3993 | rBV4 | 12419 | 19746 | 1.42% | 0.259% |

Sum of corrected areas: 7631734

LSC Report - Integrated Chromatogram

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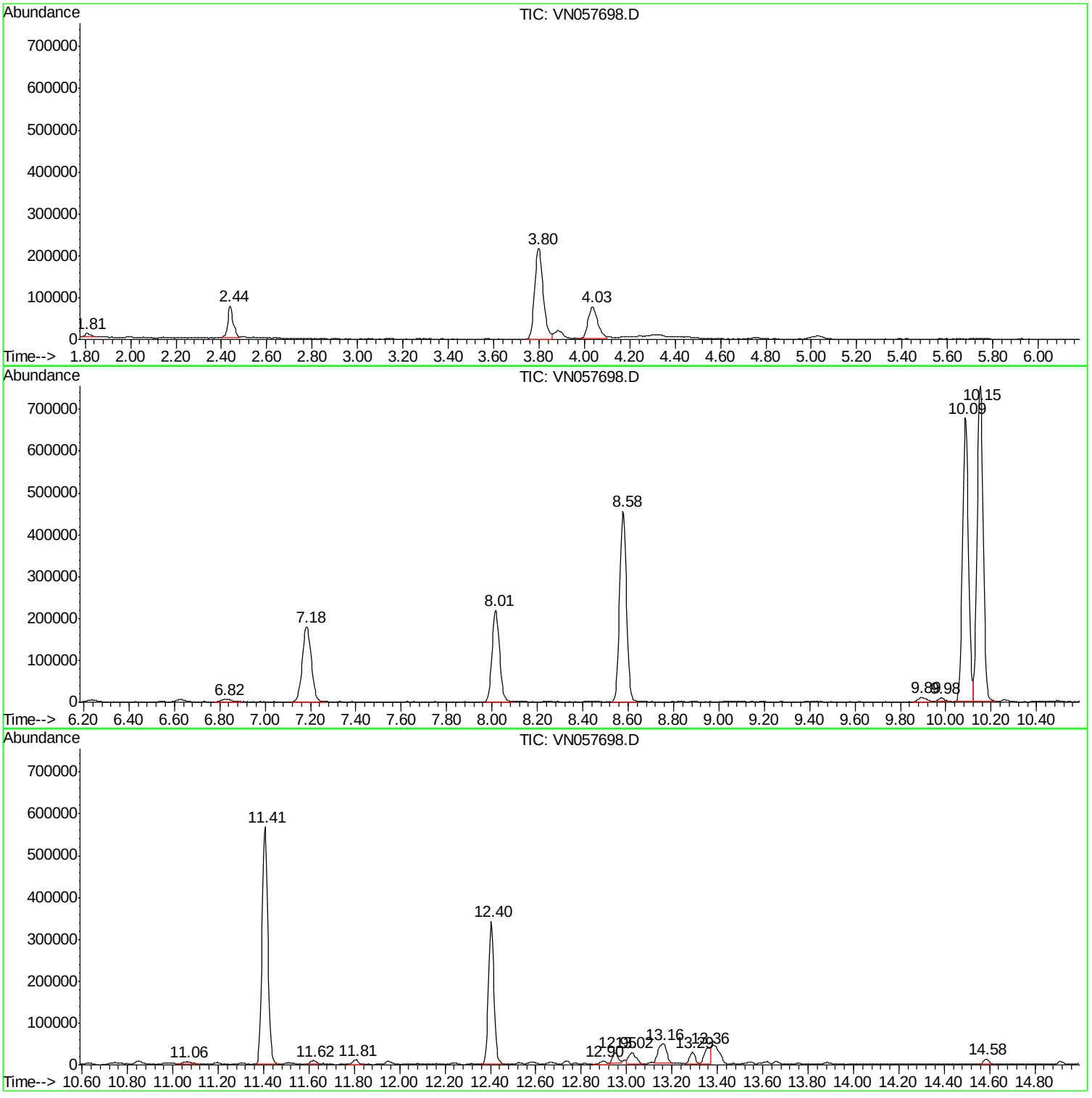
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 002-35TH-AVE-(SEP)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090519\
Data File : VN057698.D
Acq On : 5 Sep 2019 12:09
Operator : JC/SP
Sample : K4677-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 002-35TH-AVE-(SEP)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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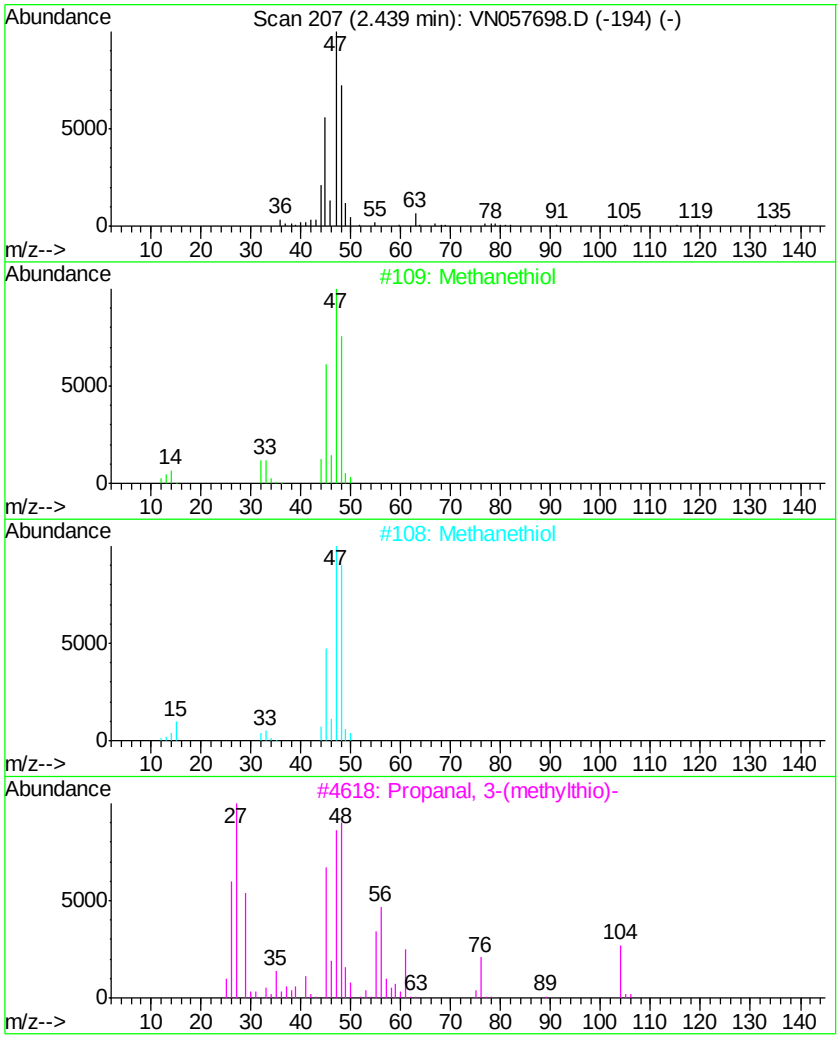
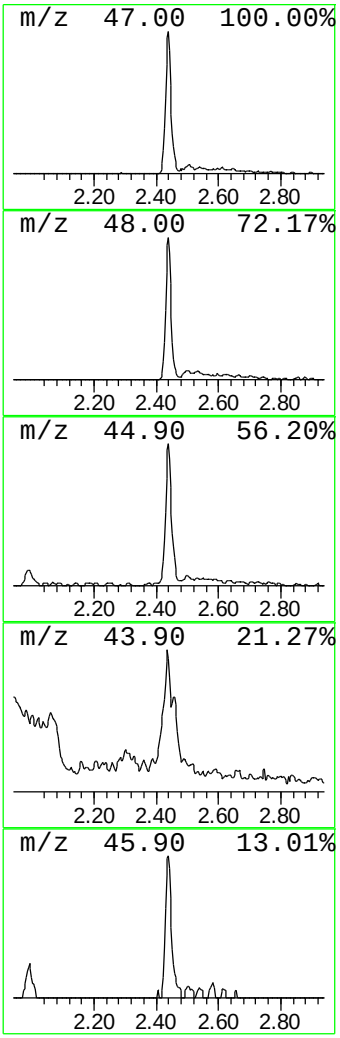
Peak Number 1 Methanethiol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.44 | 7.41 ug/l | 122420 | Bromochloromethane | 7.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethiol | 48 | CH4S | 000074-93-1 | 80 |
| 2 | Methanethiol | 48 | CH4S | 000074-93-1 | 80 |
| 3 | Propanal, 3-(methylthio)- | 104 | C4H8OS | 003268-49-3 | 40 |
| 4 | Methane, chloromethoxy- | 80 | C2H5ClO | 000107-30-2 | 9 |
| 5 | Propanamide, 2-hydroxy- | 89 | C3H7NO2 | 002043-43-8 | 9 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090519\
Data File : VN057698.D
Acq On : 5 Sep 2019 12:09
Operator : JC/SP
Sample : K4677-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 002-35TH-AVE-(SEP)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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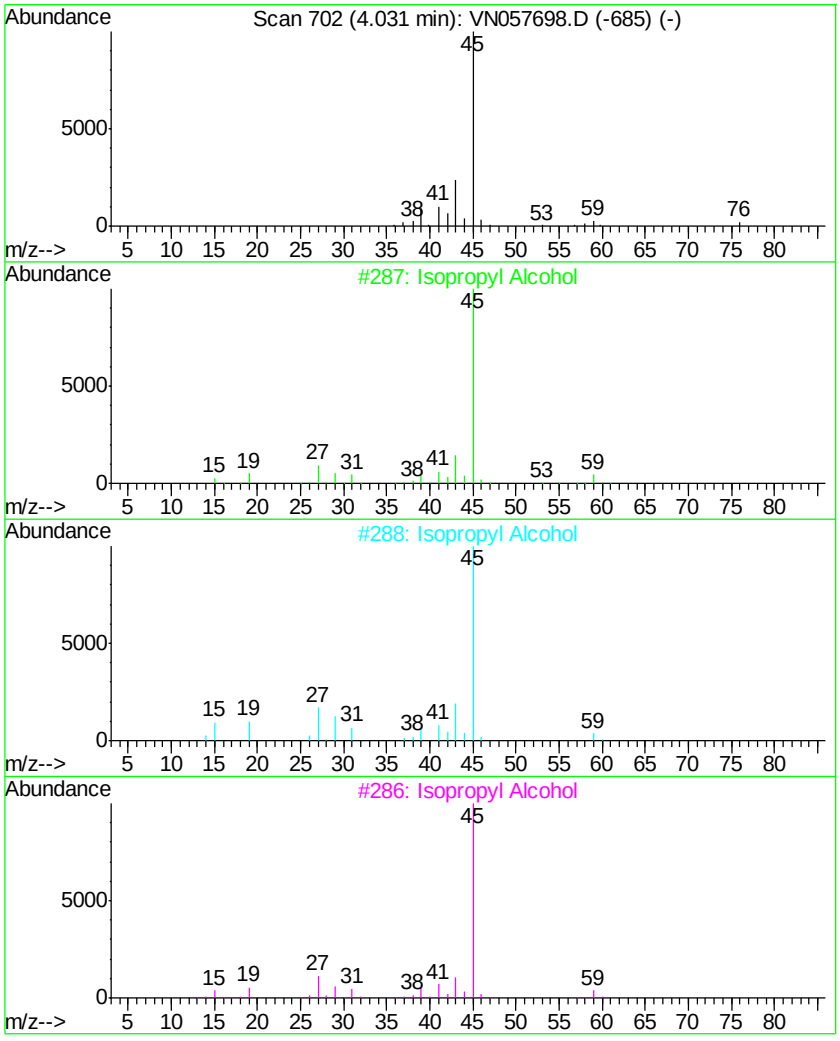
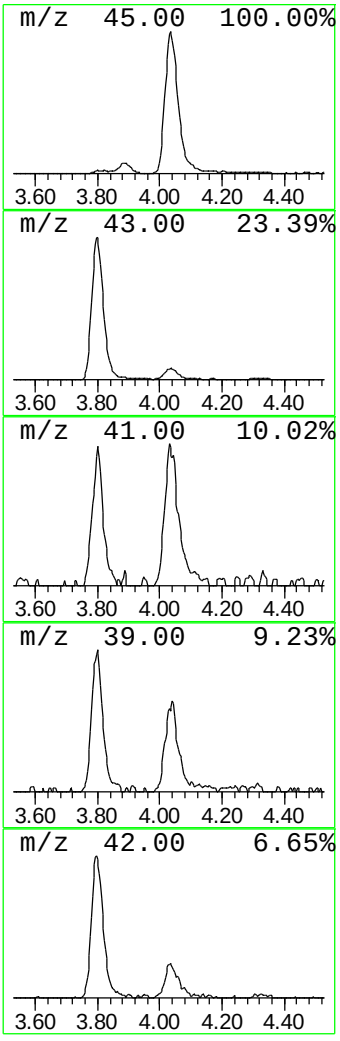
Peak Number 2 Isopropyl Alcohol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.03 | 13.71 ug/l | 226405 | Bromochloromethane | 7.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 80 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 9 |
| 5 | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2 | 000540-73-8 | 9 |



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Operator : JC/SP
Sample : K4677-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** 002-35TH-AVE-(SEP)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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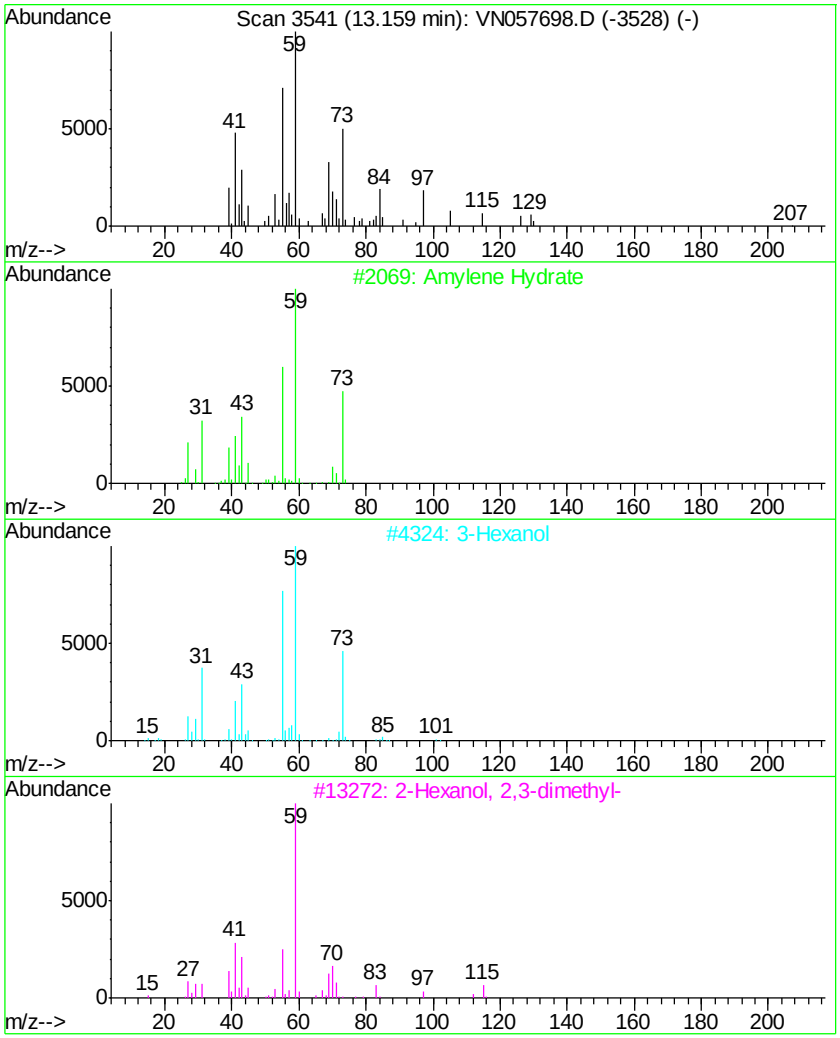
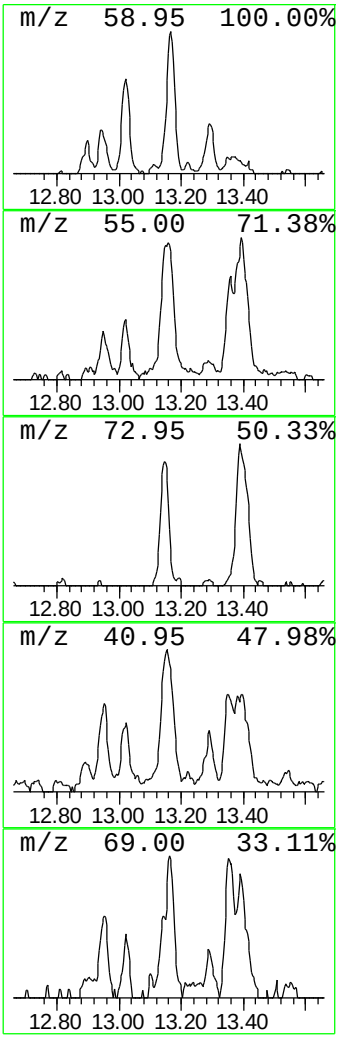
Peak Number 3 Amylene Hydrate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.16 | 3.66 ug/l | 123169 | Chlorobenzene-d5 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Amylene Hydrate | 88 | C5H12O | 000075-85-4 | 53 |
| 2 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 50 |
| 3 | 2-Hexanol, 2,3-dimethyl- | 130 | C8H18O | 019550-03-9 | 50 |
| 4 | Silane, trimethyl- | 74 | C3H10Si | 000993-07-7 | 47 |
| 5 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 47 |



Tentatively Identified Compound (LSC) summary

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**Instrument :** MSVOA_N
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.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 |
| Methanethiol | 2.44 | 7.4 | ug/l | 122420 | 1 | 7.18 | 495491 | 30.0 |
| Isopropyl Alcohol | 4.03 | 13.7 | ug/l | 226405 | 1 | 7.18 | 495491 | 30.0 |
| Amylene Hydrate | 13.16 | 3.7 | ug/l | 123169 | 3 | 11.41 | 1010430 | 30.0 |