

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012224\  
Data File : VN080735.D  
Acq On : 22 Jan 2024 13:16  
Operator : JC\MD  
Sample : P1178-01 5X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN080735.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.418       | 407           | 419         | 446          | rBV      | 970805         | 2894896       | 11.04%          | 7.641%        |
| 2         | 4.700       | 453           | 467         | 489          | rBV      | 1361818        | 4369314       | 16.67%          | 11.533%       |
| 3         | 9.100       | 1207          | 1215        | 1224         | rBV      | 160049         | 331080        | 1.26%           | 0.874%        |
| 4         | 10.565      | 1455          | 1464        | 1472         | rBV      | 280694         | 526434        | 2.01%           | 1.390%        |
| 5         | 11.865      | 1676          | 1685        | 1693         | rBV      | 289296         | 501872        | 1.91%           | 1.325%        |
| 6         | 12.612      | 1803          | 1812        | 1820         | rBV      | 828234         | 1265661       | 4.83%           | 3.341%        |
| 7         | 12.847      | 1845          | 1852        | 1860         | rVB      | 259831         | 444493        | 1.70%           | 1.173%        |
| 8         | 13.876      | 2018          | 2027        | 2051         | rBV      | 16370870       | 26212486      | 100.00%         | 69.188%       |
| 9         | 14.529      | 2132          | 2138        | 2150         | rVB      | 873108         | 1339821       | 5.11%           | 3.536%        |

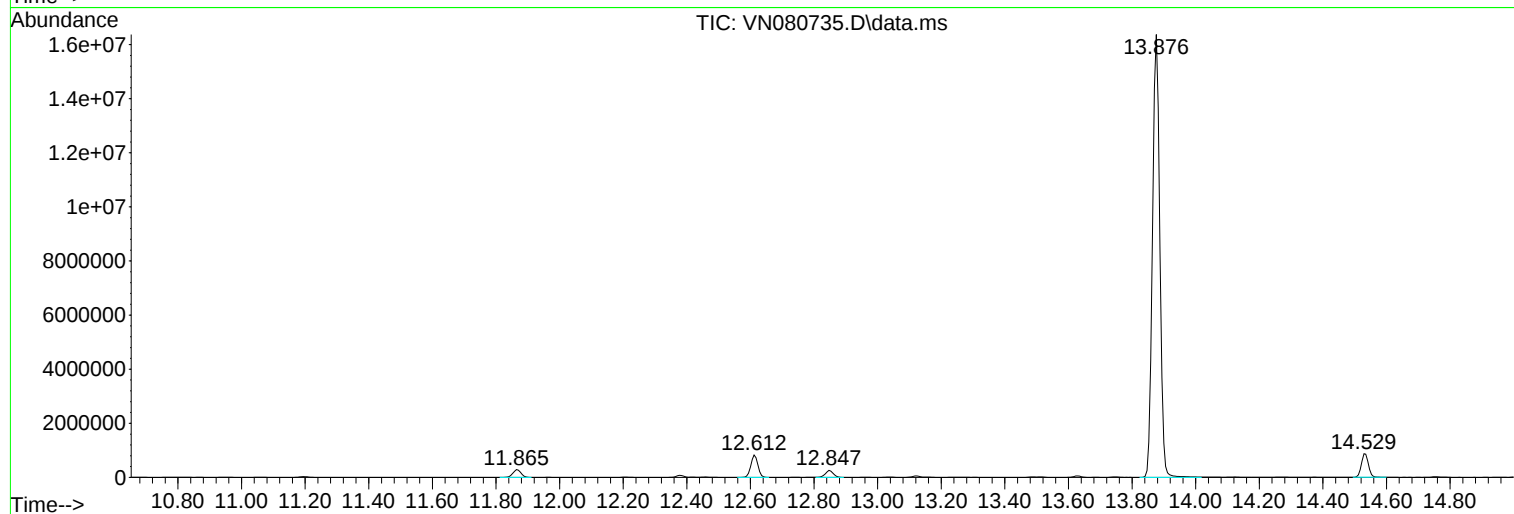
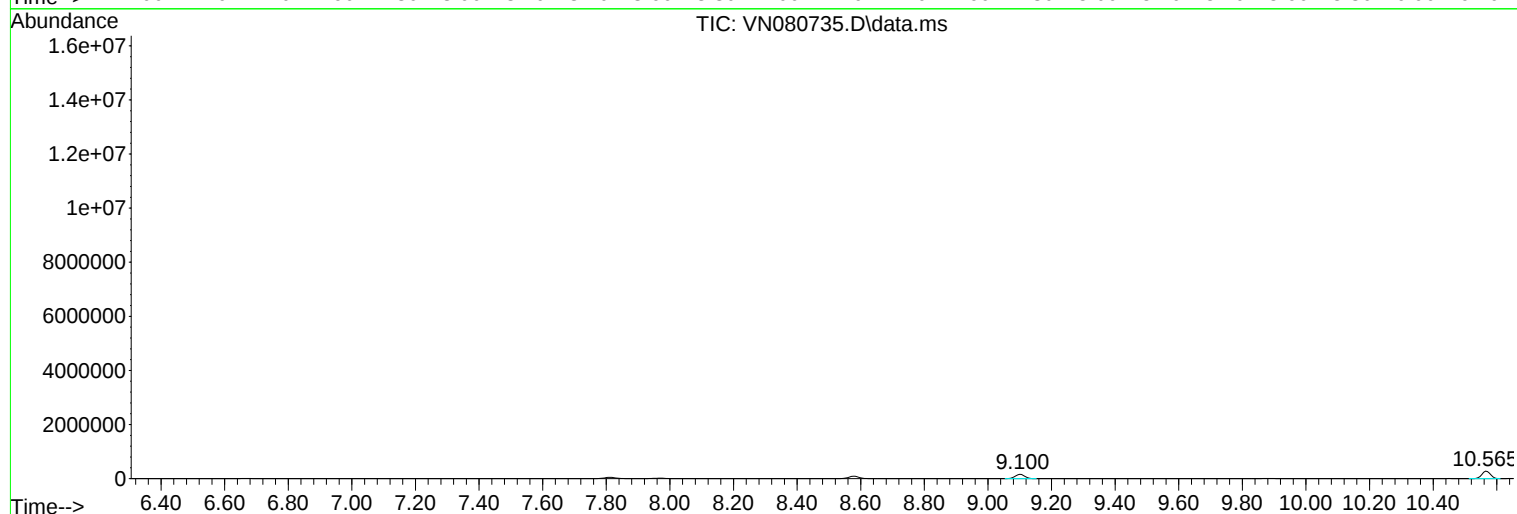
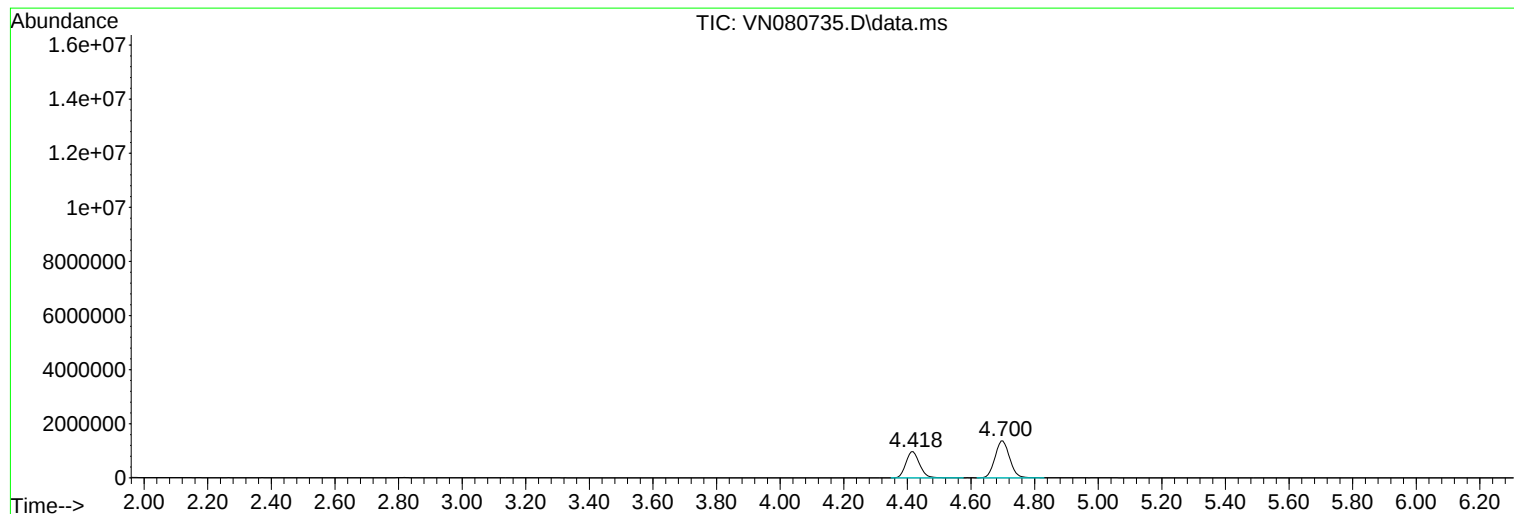
Sum of corrected areas: 37886057

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

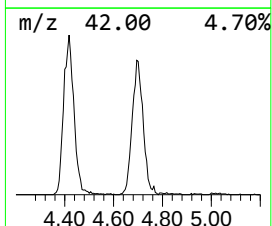
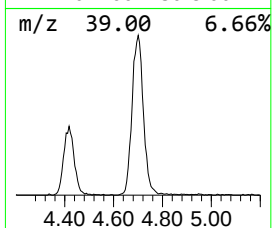
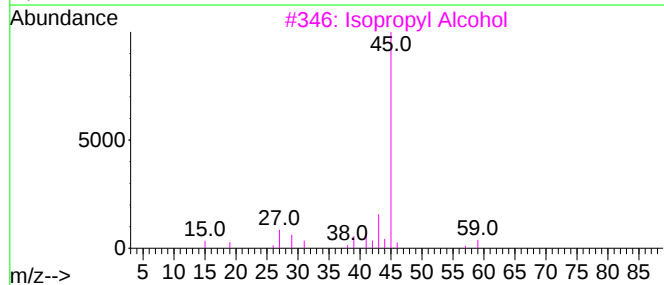
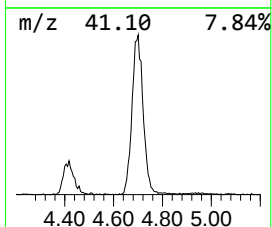
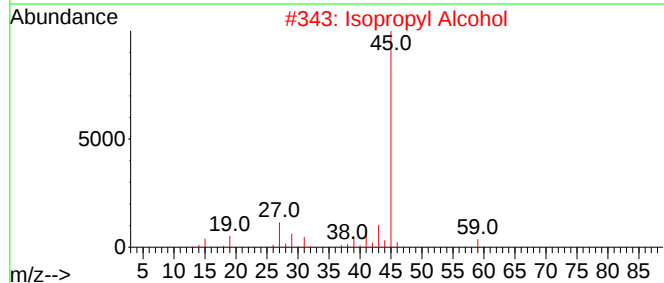
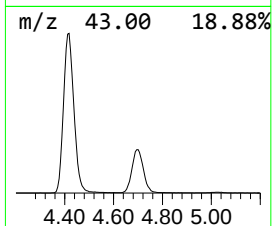
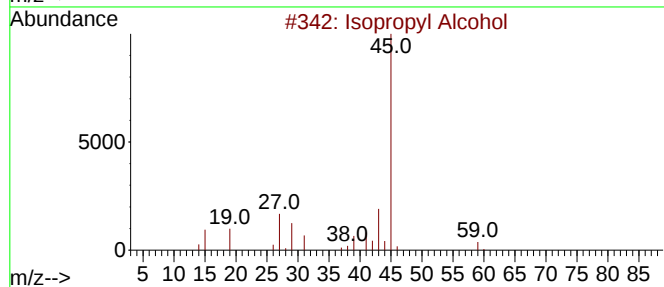
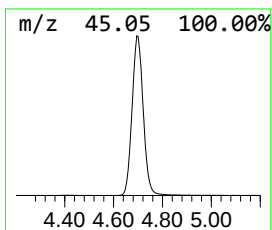
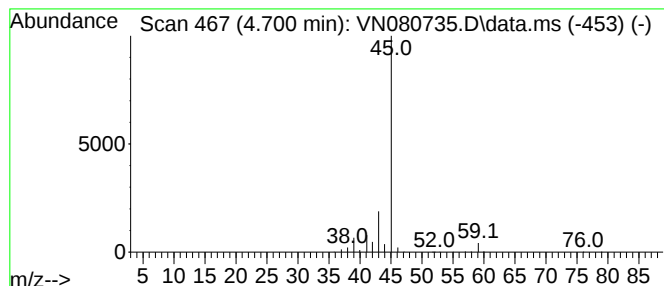
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD   | R.T.  |
|-------|-------------|---------|--------------------|-------|
| 4.700 | 395.92 ug/l | 4369310 | Bromochloromethane | 7.818 |

| 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 | 9    |
| 5    |    |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

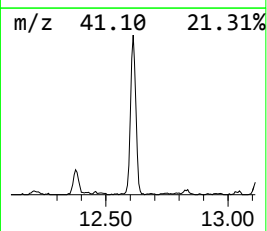
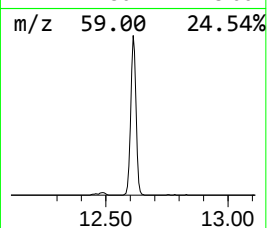
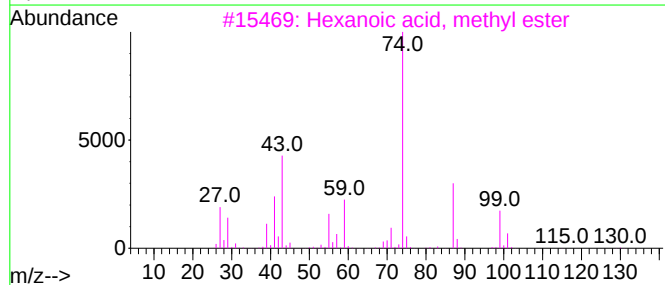
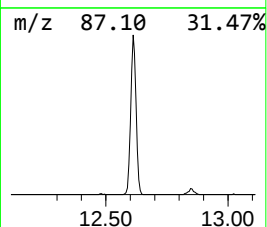
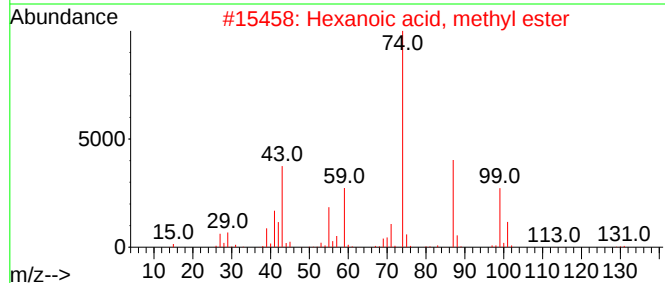
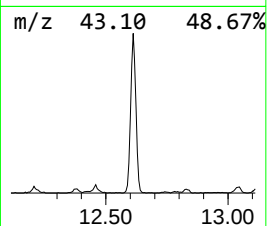
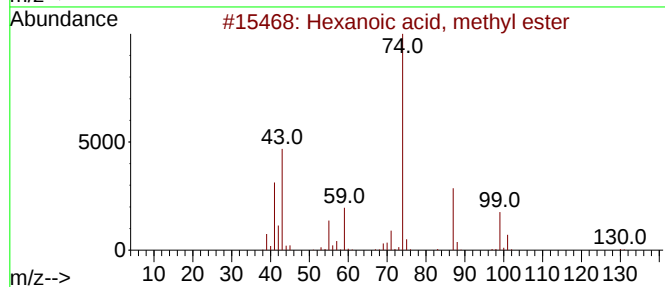
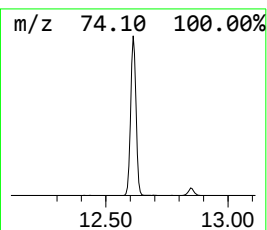
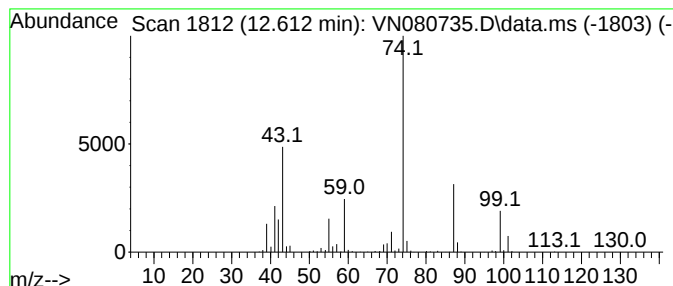
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 2 Hexanoic acid, methyl ester Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 12.611 | 75.66 ug/l | 1265660 | Chlorobenzene-d5 | 11.865 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexanoic acid, methyl ester | 130 | C7H14O2 | 000106-70-7 | 90   |
| 2    |    |   | Hexanoic acid, methyl ester | 130 | C7H14O2 | 000106-70-7 | 83   |
| 3    |    |   | Hexanoic acid, methyl ester | 130 | C7H14O2 | 000106-70-7 | 64   |
| 4    |    |   | Methyl valerate             | 116 | C6H12O2 | 000624-24-8 | 59   |
| 5    |    |   | Methyl valerate             | 116 | C6H12O2 | 000624-24-8 | 45   |



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Sample : P1178-01 5X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

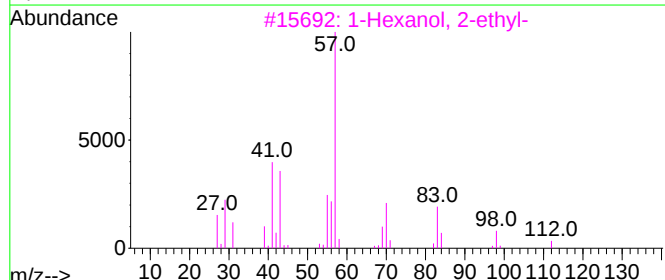
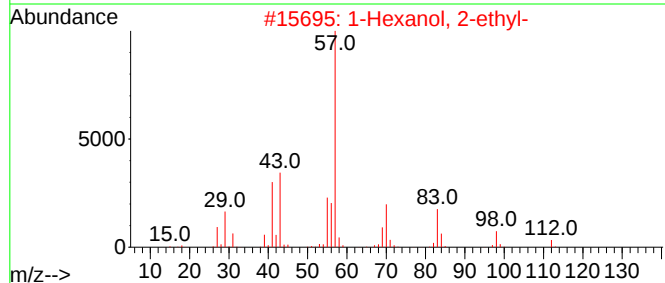
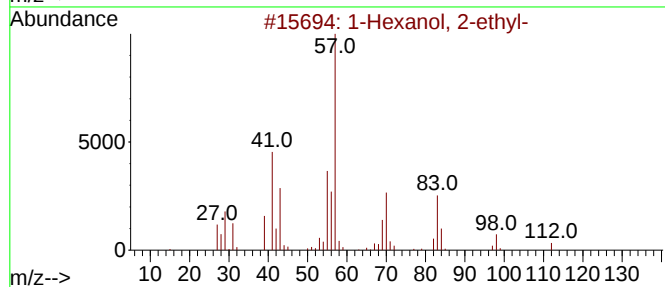
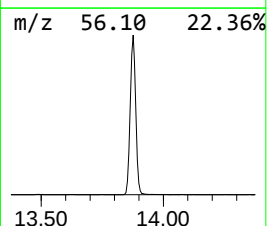
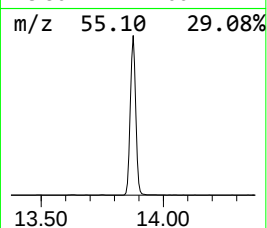
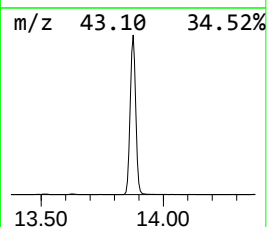
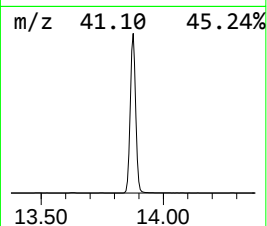
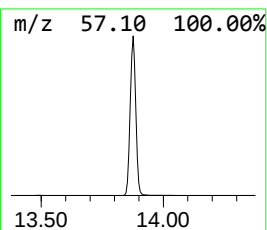
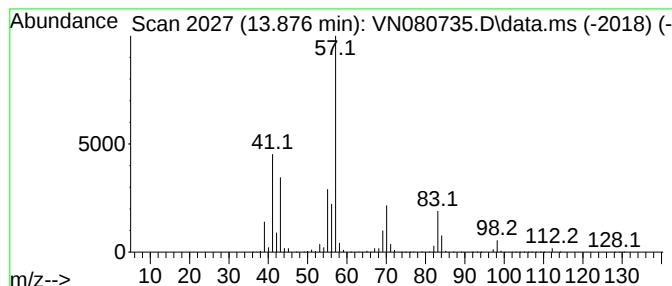
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

\*\*\*\*\*  
Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 1

| R.T.   | EstConc      | Area     | Relative to ISTD | R.T.   |
|--------|--------------|----------|------------------|--------|
| 13.876 | 1566.88 ug/l | 26212500 | Chlorobenzene-d5 | 11.865 |

| Hit# | of                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|---------------------|---|--------------|-----|---------|-------------|------|
| 1    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 78   |
| 2    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 78   |
| 3    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 72   |
| 4    | 2-Propyl-1-pentanol |   |              | 130 | C8H18O  | 058175-57-8 | 59   |
| 5    | 1-Hexanol, 2-ethyl- |   |              | 130 | C8H18O  | 000104-76-7 | 56   |



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EFF-WW

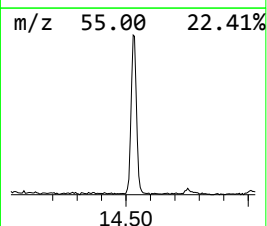
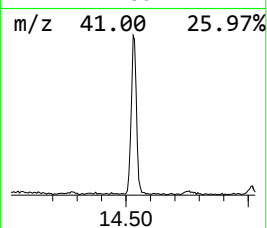
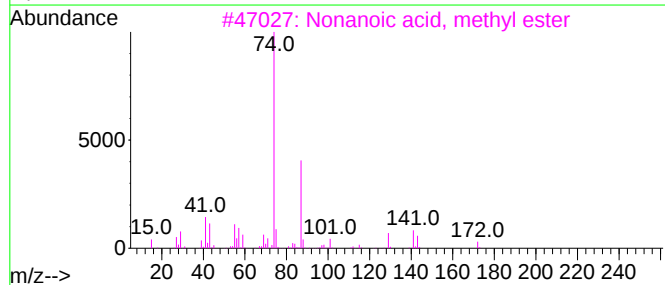
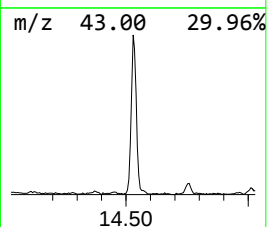
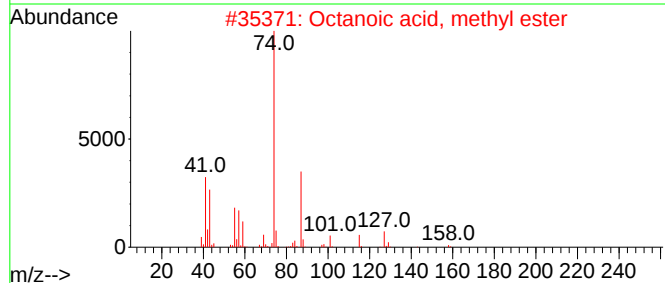
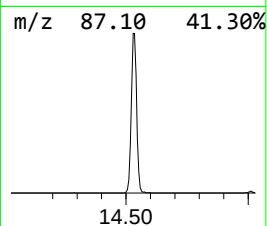
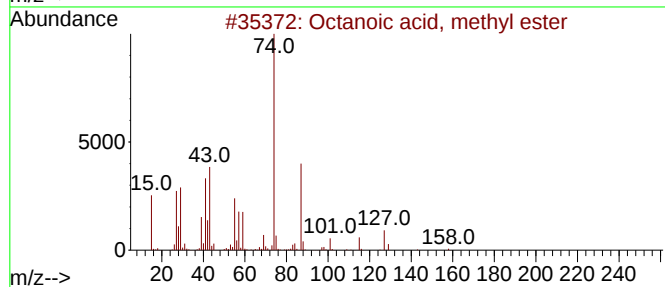
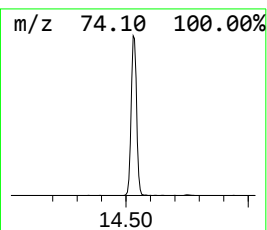
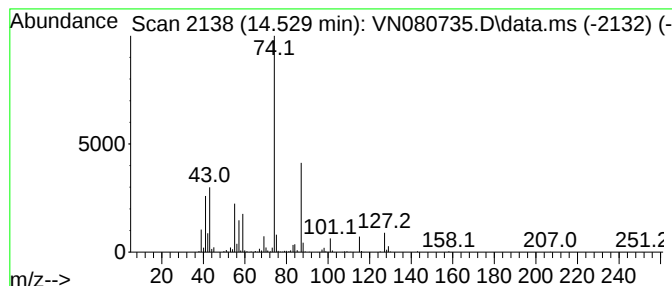
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Octanoic acid, methyl ester Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 14.529 | 80.09 ug/l | 1339820 | Chlorobenzene-d5 | 11.865 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------|-----|----------|-------------|------|
| 1    |    |   | Octanoic acid, methyl ester | 158 | C9H18O2  | 000111-11-5 | 91   |
| 2    |    |   | Octanoic acid, methyl ester | 158 | C9H18O2  | 000111-11-5 | 90   |
| 3    |    |   | Nonanoic acid, methyl ester | 172 | C10H20O2 | 001731-84-6 | 78   |
| 4    |    |   | Nonanoic acid, methyl ester | 172 | C10H20O2 | 001731-84-6 | 74   |
| 5    |    |   | Hexanoic acid, 2-methyl-    | 130 | C7H14O2  | 004536-23-6 | 72   |



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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
EFF-WW

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Isopropyl Alcohol  | 4.700  | 395.9   | ug/l  | 4369310  | 1                     | 7.818  | 331080 | 30.0 |
| Hexanoic acid, ... | 12.611 | 75.7    | ug/l  | 1265660  | 3                     | 11.865 | 501872 | 30.0 |
| 1-Hexanol, 2-et... | 13.876 | 1566.9  | ug/l  | 26212500 | 3                     | 11.865 | 501872 | 30.0 |
| Octanoic acid, ... | 14.529 | 80.1    | ug/l  | 1339820  | 3                     | 11.865 | 501872 | 30.0 |