

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052622\  
 Data File : VN072643.D  
 Acq On : 26 May 2022 21:30  
 Operator : JC\MD  
 Sample : N2936-01 20X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SEMI-ANNUAL-CONDENSATE

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\624N052622W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN072643.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         | 2.234       | 35            | 42          | 47           | rBV3     | 7659           | 18491         | 1.98%           | 0.333%        |
| 2         | 4.281       | 379           | 390         | 407          | rBV      | 79372          | 229998        | 24.66%          | 4.136%        |
| 3         | 5.351       | 554           | 572         | 586          | rBV3     | 39928          | 200513        | 21.50%          | 3.606%        |
| 4         | 7.316       | 892           | 906         | 919          | rBV2     | 265615         | 932540        | 100.00%         | 16.771%       |
| 5         | 7.657       | 954           | 964         | 981          | rVB2     | 88792          | 304674        | 32.67%          | 5.479%        |
| 6         | 8.433       | 1085          | 1096        | 1107         | rBV      | 104301         | 246185        | 26.40%          | 4.428%        |
| 7         | 8.833       | 1156          | 1164        | 1177         | rBV      | 68267          | 147744        | 15.84%          | 2.657%        |
| 8         | 8.963       | 1178          | 1186        | 1200         | rVB      | 189721         | 380108        | 40.76%          | 6.836%        |
| 9         | 9.404       | 1252          | 1261        | 1269         | rBV2     | 16607          | 37342         | 4.00%           | 0.672%        |
| 10        | 9.557       | 1278          | 1287        | 1294         | rBV2     | 9139           | 18922         | 2.03%           | 0.340%        |
| 11        | 10.327      | 1412          | 1418        | 1428         | rVB      | 17220          | 31001         | 3.32%           | 0.558%        |
| 12        | 10.439      | 1428          | 1437        | 1443         | rBV      | 350785         | 637185        | 68.33%          | 11.459%       |
| 13        | 10.533      | 1449          | 1453        | 1461         | rVB      | 66875          | 126603        | 13.58%          | 2.277%        |
| 14        | 10.974      | 1518          | 1528        | 1533         | rBV3     | 4872           | 10898         | 1.17%           | 0.196%        |
| 15        | 11.051      | 1533          | 1541        | 1552         | rBV      | 61088          | 120060        | 12.87%          | 2.159%        |
| 16        | 11.186      | 1559          | 1564        | 1574         | rVB6     | 5988           | 13129         | 1.41%           | 0.236%        |
| 17        | 11.580      | 1624          | 1631        | 1637         | rBV      | 8450           | 15559         | 1.67%           | 0.280%        |
| 18        | 11.651      | 1637          | 1643        | 1651         | rVV7     | 12937          | 37798         | 4.05%           | 0.680%        |
| 19        | 11.739      | 1651          | 1658        | 1667         | rVV      | 241804         | 433517        | 46.49%          | 7.797%        |
| 20        | 11.839      | 1667          | 1675        | 1681         | rVV5     | 12489          | 30589         | 3.28%           | 0.550%        |
| 21        | 11.910      | 1681          | 1687        | 1691         | rVV3     | 18443          | 36346         | 3.90%           | 0.654%        |
| 22        | 11.980      | 1695          | 1699        | 1707         | rVV2     | 23394          | 44995         | 4.82%           | 0.809%        |
| 23        | 12.098      | 1715          | 1719        | 1729         | rVB3     | 7986           | 14348         | 1.54%           | 0.258%        |
| 24        | 12.274      | 1743          | 1749        | 1757         | rBV4     | 8658           | 17877         | 1.92%           | 0.322%        |
| 25        | 12.374      | 1763          | 1766        | 1771         | rVV4     | 10818          | 15549         | 1.67%           | 0.280%        |
| 26        | 12.580      | 1795          | 1801        | 1806         | rVB7     | 10343          | 19975         | 2.14%           | 0.359%        |
| 27        | 12.651      | 1806          | 1813        | 1819         | rBV5     | 12258          | 23795         | 2.55%           | 0.428%        |
| 28        | 12.727      | 1819          | 1826        | 1836         | rVB      | 193719         | 330400        | 35.43%          | 5.942%        |
| 29        | 12.933      | 1856          | 1861        | 1866         | rBV3     | 7124           | 13303         | 1.43%           | 0.239%        |
| 30        | 13.039      | 1876          | 1879        | 1884         | rVV5     | 8514           | 14669         | 1.57%           | 0.264%        |
| 31        | 13.168      | 1894          | 1901        | 1904         | rBV5     | 4032           | 9474          | 1.02%           | 0.170%        |
| 32        | 13.415      | 1938          | 1943        | 1948         | rVB7     | 7822           | 17102         | 1.83%           | 0.308%        |
| 33        | 13.486      | 1948          | 1955        | 1961         | rBV      | 80726          | 143347        | 15.37%          | 2.578%        |
| 34        | 13.610      | 1967          | 1976        | 1982         | rBV      | 26549          | 63780         | 6.84%           | 1.147%        |
| 35        | 13.692      | 1985          | 1990        | 1991         | rVV5     | 16718          | 24577         | 2.64%           | 0.442%        |
| 36        | 13.733      | 1991          | 1997        | 2010         | rVB2     | 174581         | 325179        | 34.87%          | 5.848%        |

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Sample : N2936-01 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

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\624N052622W.M  
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 13.880 | 2016 | 2022 | 2031 | rVB8 | 10852  | 23467  | 2.52%  | 0.422% |
| 38 | 13.986 | 2035 | 2040 | 2045 | rBV2 | 22228  | 34924  | 3.75%  | 0.628% |
| 39 | 14.139 | 2061 | 2066 | 2073 | rBV8 | 18161  | 39436  | 4.23%  | 0.709% |
| 40 | 14.198 | 2073 | 2076 | 2080 | rVB6 | 5788   | 9703   | 1.04%  | 0.175% |
| 41 | 14.557 | 2131 | 2137 | 2144 | rVV  | 173254 | 313623 | 33.63% | 5.640% |
| 42 | 14.615 | 2144 | 2147 | 2158 | rVB4 | 14255  | 30816  | 3.30%  | 0.554% |
| 43 | 14.845 | 2182 | 2186 | 2191 | rVB2 | 13223  | 20784  | 2.23%  | 0.374% |

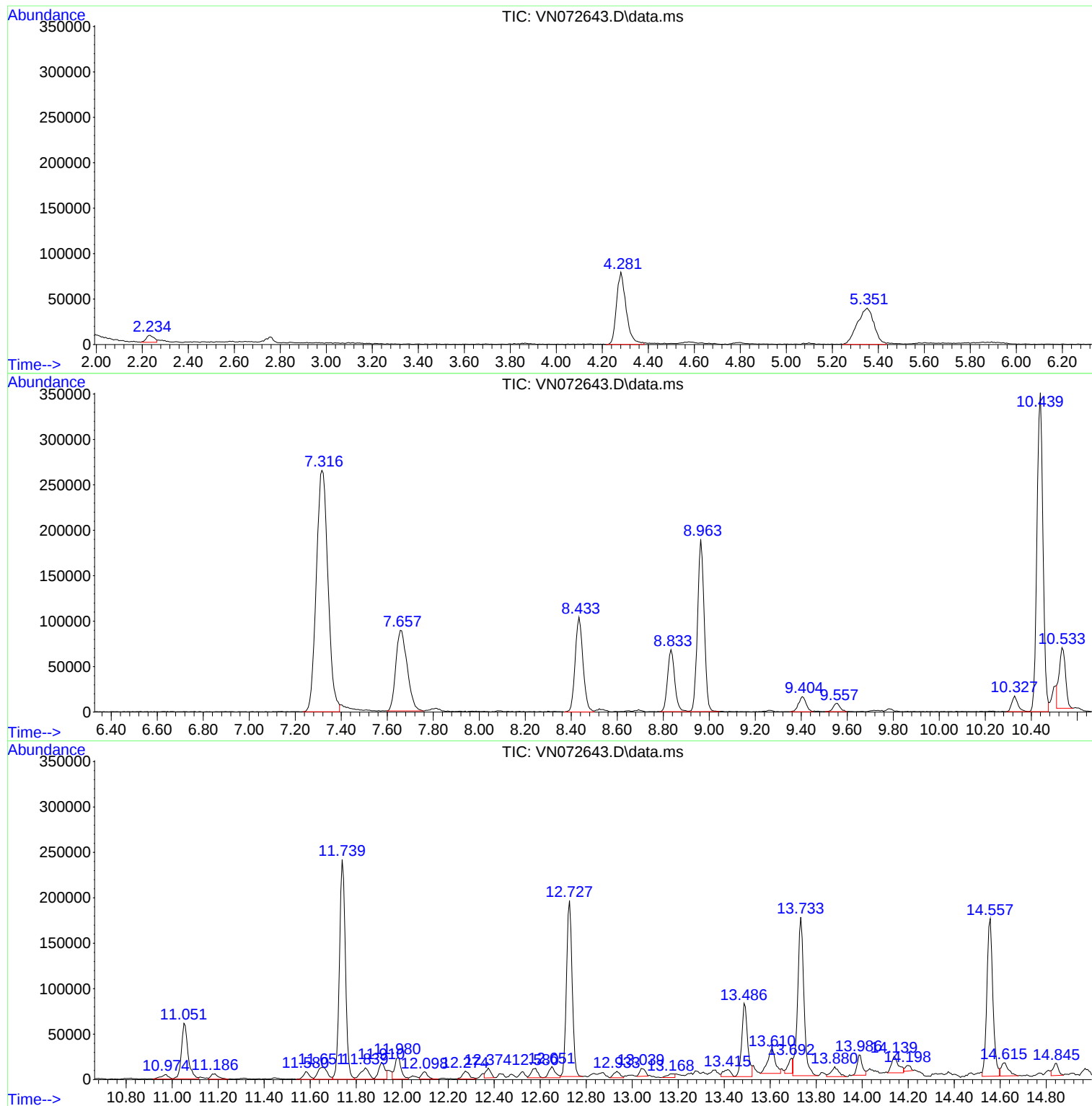
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052622\  
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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052622W.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\_N\Data\VN052622\  
Data File : VN072643.D  
Acq On : 26 May 2022 21:30  
Operator : JC\MD  
Sample : N2936-01 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

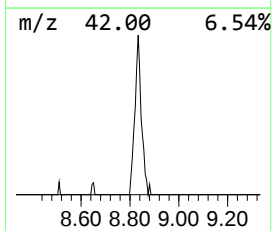
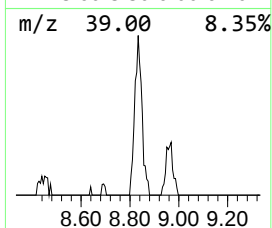
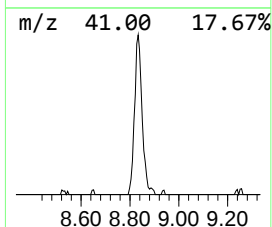
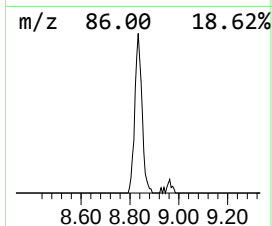
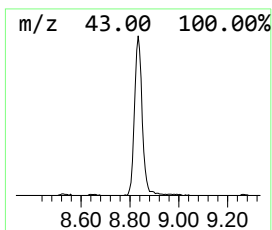
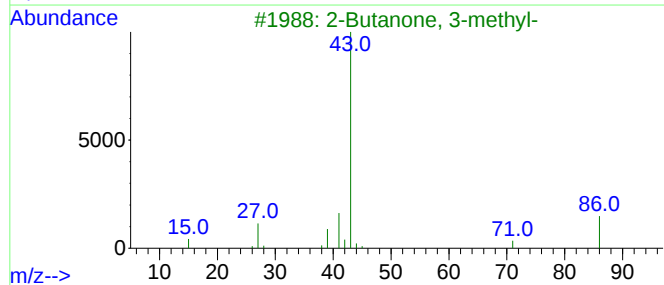
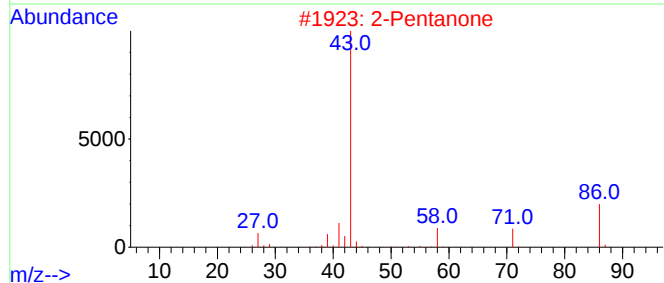
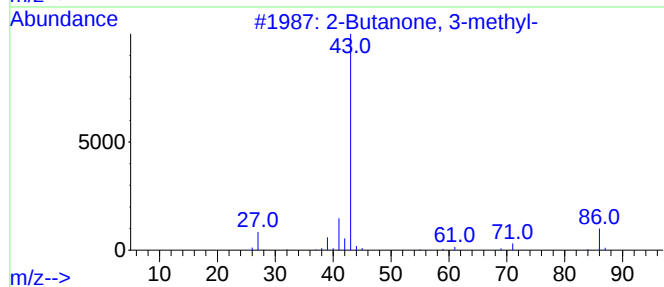
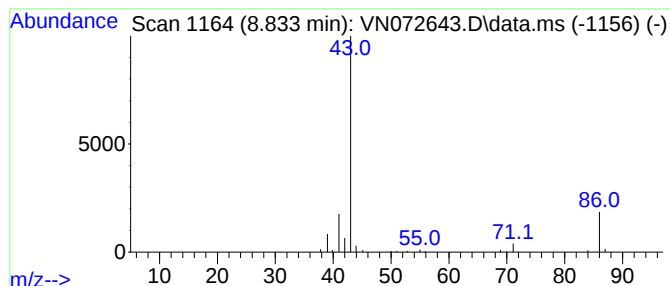
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 8.833 | 11.66 ug/l | 147744 | 1,4-Difluorobenzene | 8.963 |

| Hit# | of 5                  | Tentative ID | MW     | MolForm     | CAS# | Qual |
|------|-----------------------|--------------|--------|-------------|------|------|
| 1    | 2-Butanone, 3-methyl- | 86           | C5H10O | 000563-80-4 | 83   |      |
| 2    | 2-Pentanone           | 86           | C5H10O | 000107-87-9 | 64   |      |
| 3    | 2-Butanone, 3-methyl- | 86           | C5H10O | 000563-80-4 | 64   |      |
| 4    | 2-Pentanone           | 86           | C5H10O | 000107-87-9 | 59   |      |
| 5    | 2-Pentanone           | 86           | C5H10O | 000107-87-9 | 59   |      |



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Sample : N2936-01 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

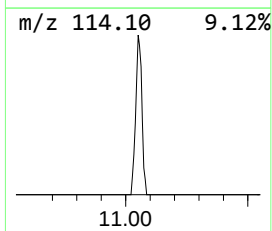
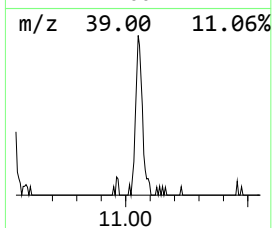
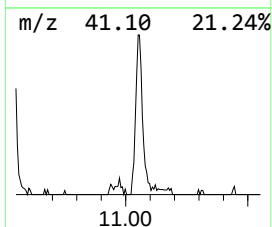
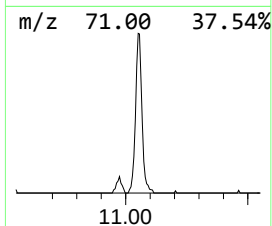
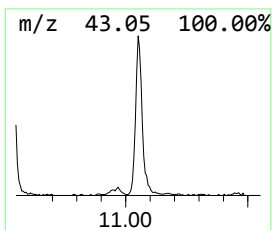
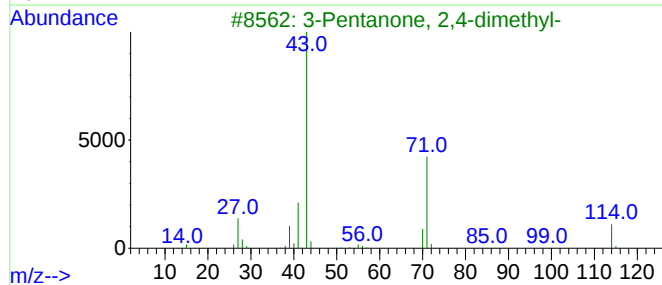
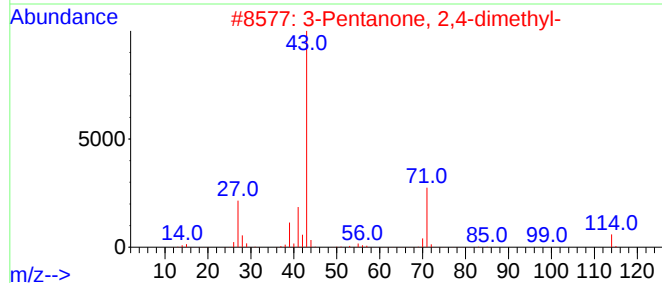
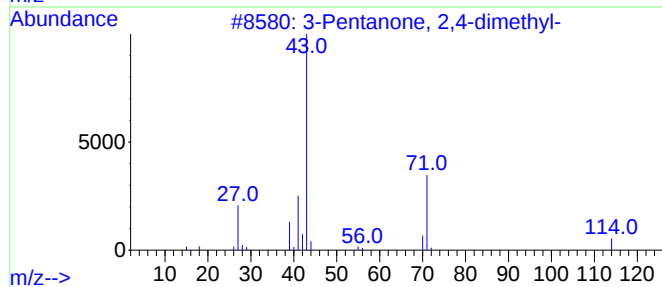
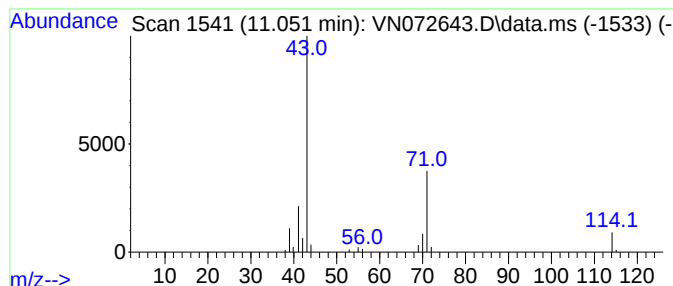
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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

| R.T.   | EstConc   | Area   | Relative to ISTD | R.T.   |
|--------|-----------|--------|------------------|--------|
| 11.051 | 8.31 ug/l | 120060 | Chlorobenzene-d5 | 11.739 |

| 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 | 86      |      |      |
| 3    | 3-Pentanone, 2,4-dimethyl- | 114 | C7H14O       | 000565-80-0 | 83      |      |      |
| 4    | 3-Hexanone, 2-methyl-      | 114 | C7H14O       | 007379-12-6 | 80      |      |      |
| 5    | 3-Hexanone, 2-methyl-      | 114 | C7H14O       | 007379-12-6 | 72      |      |      |





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Sample : N2936-01 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

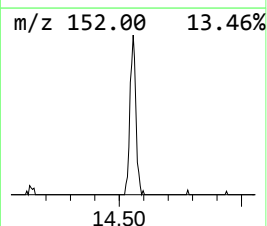
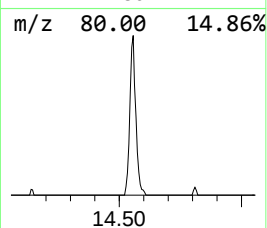
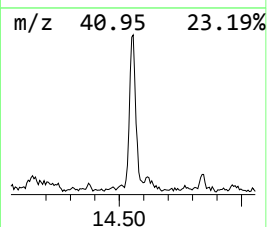
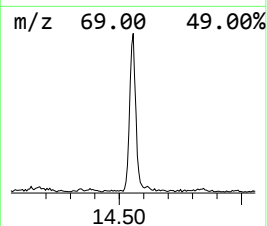
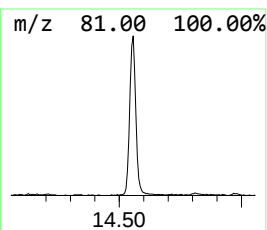
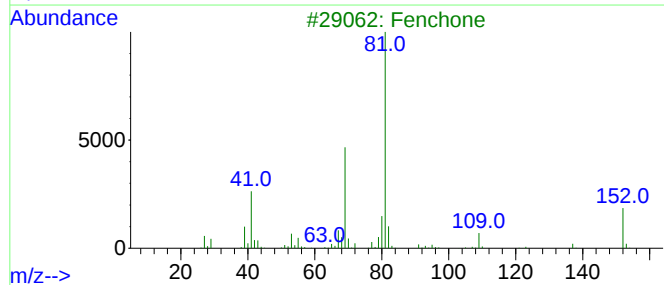
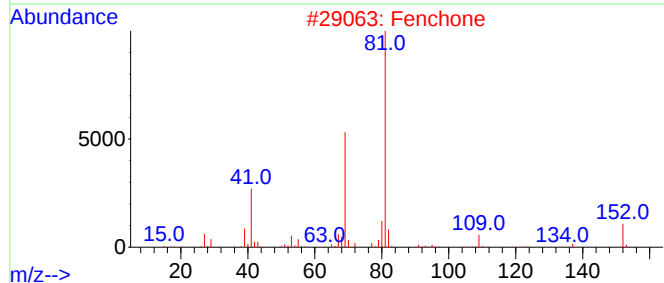
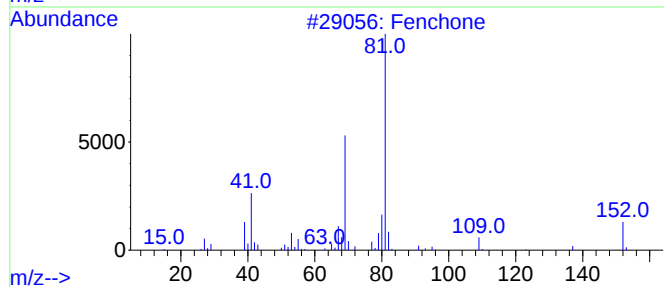
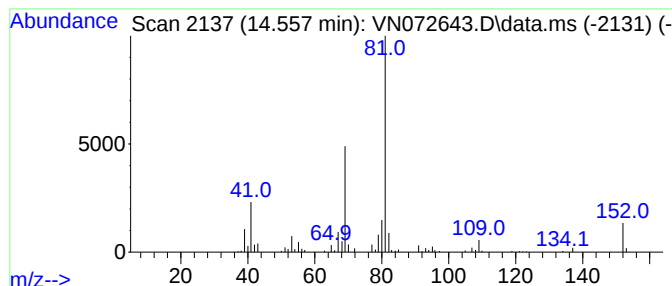
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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Peak Number 4 Fenchone Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 14.557 | 21.70 ug/l | 313623 | Chlorobenzene-d5 | 11.739 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Fenchone     | 152 | C10H16O | 001195-79-5 | 95   |
| 2    |    |   | Fenchone     | 152 | C10H16O | 001195-79-5 | 94   |
| 3    |    |   | Fenchone     | 152 | C10H16O | 001195-79-5 | 94   |
| 4    |    |   | L-Fenchone   | 152 | C10H16O | 007787-20-4 | 94   |
| 5    |    |   | L-Fenchone   | 152 | C10H16O | 007787-20-4 | 94   |



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Sample : N2936-01 20X  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N052622W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Butanone, 3-m... | 8.833  | 11.7    | ug/l  | 147744   | 2                     | 8.963  | 380108 | 30.0 |
| 3-Pentanone, 2,... | 11.051 | 8.3     | ug/l  | 120060   | 3                     | 11.739 | 433517 | 30.0 |
| 7-Oxabicyclo[2.... | 13.486 | 9.9     | ug/l  | 143347   | 3                     | 11.739 | 433517 | 30.0 |
| Fenchone           | 14.557 | 21.7    | ug/l  | 313623   | 3                     | 11.739 | 433517 | 30.0 |