

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\  
 Data File : VU039800.D  
 Acq On : 08 Aug 2020 10:19  
 Operator : SY/MD  
 Sample : VU0808WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 10 01:18:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 10 01:16:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 74248    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 73310    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 32995    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 16969    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 17584    | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 81.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 25595    | 3.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 108752   | 61.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 123.34% |
| 24) Chloroform-d               | 5.08   | 84    | 48756    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 30723    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 32) Benzene-d6                 | 5.74   | 84    | 81265    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 28779    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 59228    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 10917    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 73650    | 59.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 118.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 30372    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 31395    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.20% |

## Target Compounds

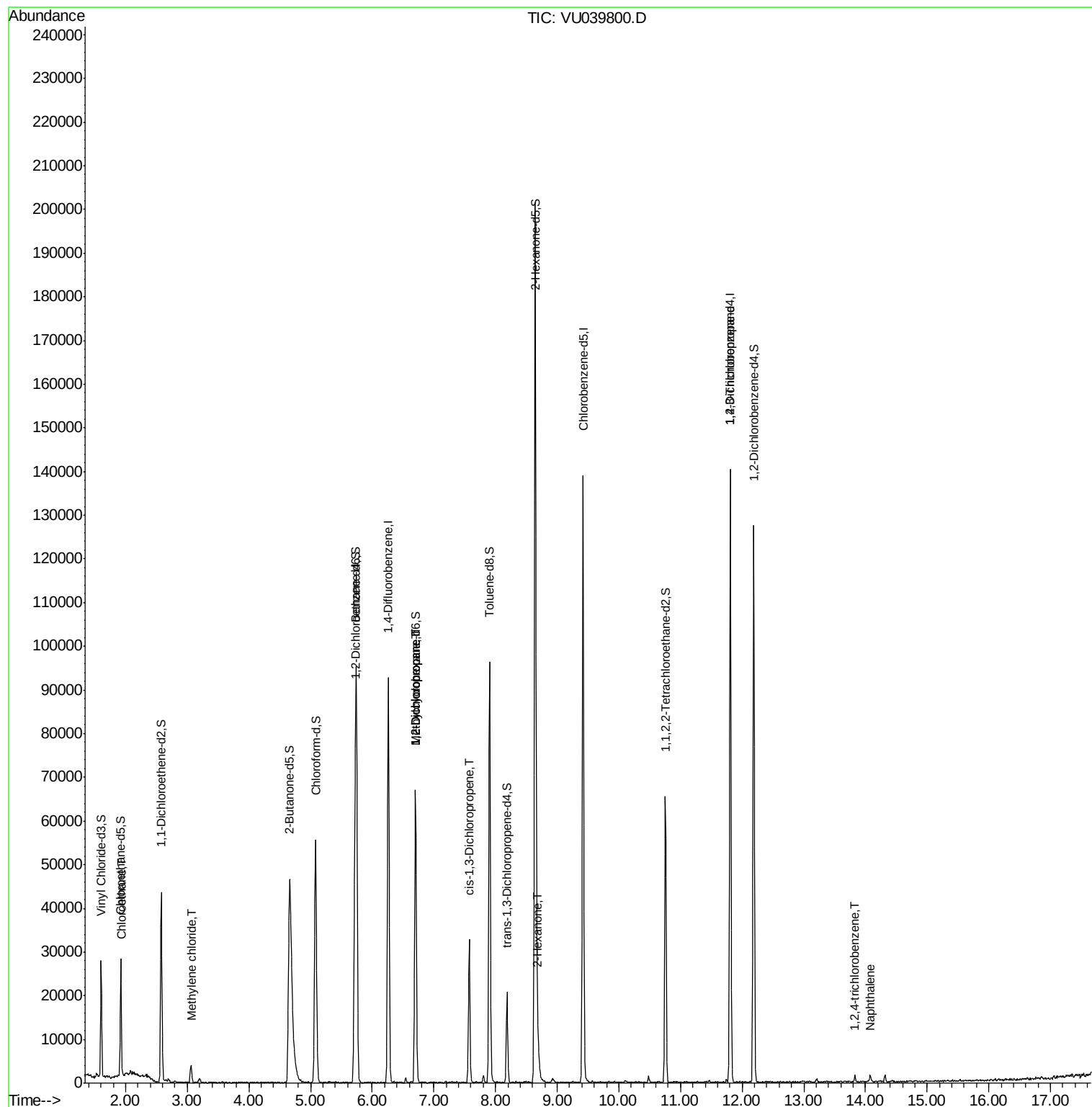
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 8) Chloroethane             | 1.94  | 64   | 448      | 0.101 | ug/L # | 43     |
| 16) Methylene chloride      | 3.06  | 84   | 1922     | 0.269 | ug/L   | 82     |
| 35) Methylcyclohexane       | 6.70  | 83   | 6819     | 0.824 | ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.70  | 63   | 3678     | 0.693 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.58  | 75   | 1111     | 0.154 | ug/L   | 100    |
| 48) 2-Hexanone              | 8.69  | 43   | 3957     | 1.382 | ug/L # | 80     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75   | 4988     | 1.303 | ug/L   | 93     |
| 68) 1,2,4-trichlorobenzene  | 13.83 | 180  | 656      | 0.107 | ug/L # | 75     |
| 69) Naphthalene             | 14.08 | 128  | 2041     | 0.186 | ug/L # | 90     |

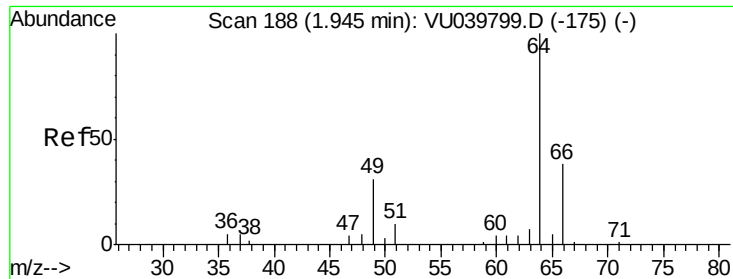
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080820\  
Data File : VU039800.D  
Acq On : 08 Aug 2020 10:19  
Operator : SY/MD  
Sample : VU0808WBL01  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 10 01:18:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Aug 10 01:16:49 2020  
Response via : Initial Calibration

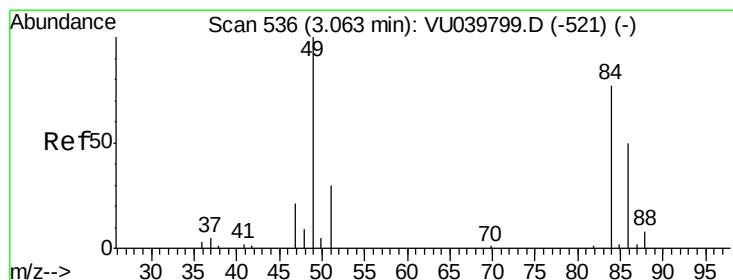
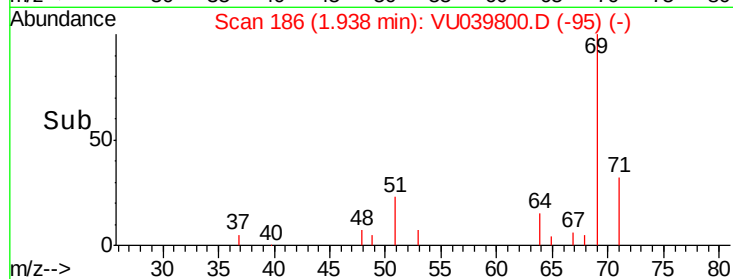
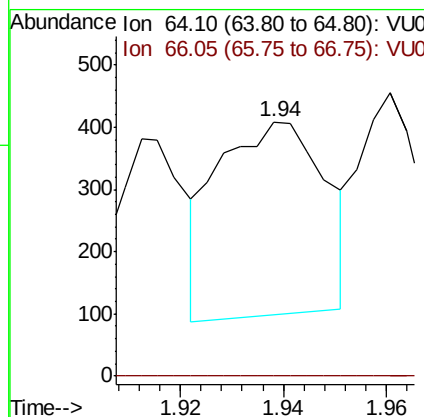
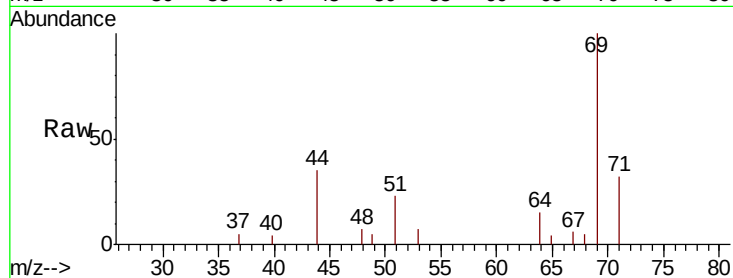




#8  
Chloroethane  
Concen: 0.101 ug/L  
RT: 1.94 min Scan# 186  
Delta R.T. -0.01 min  
Lab File: VU039800.D  
Acq: 08 Aug 2020 10:19

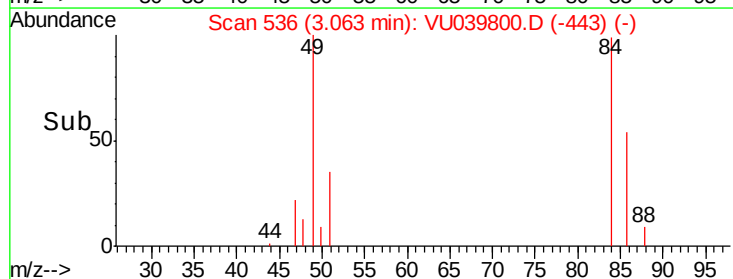
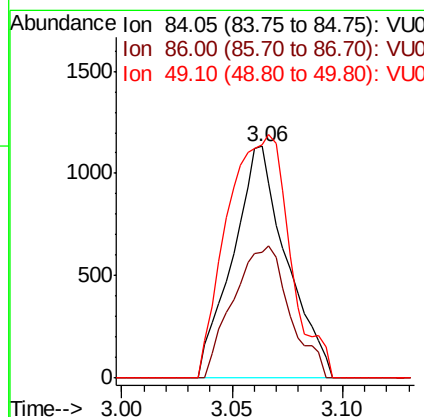
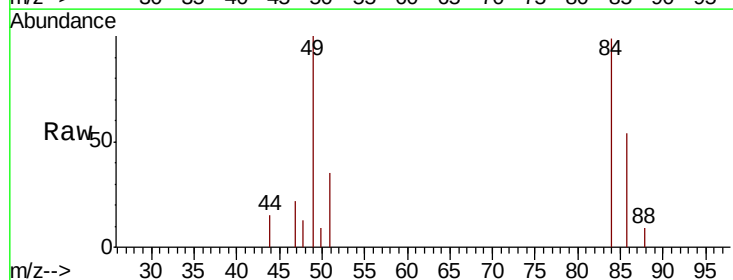
Instrument :  
MSVOA\_U  
ClientSampled :

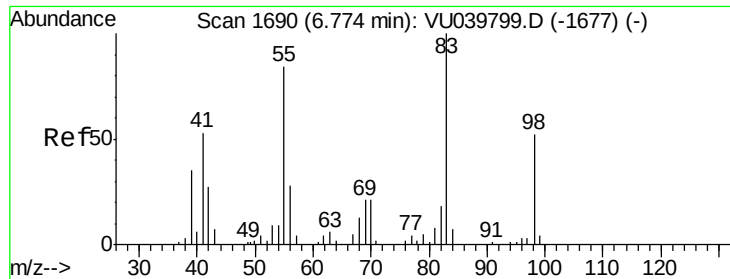
Tot Ion: 64 Resp: 448  
Ion Ratio Lower Upper  
64 100  
66 0.0 22.3 41.3#



#16  
Methylene chloride  
Concen: 0.269 ug/L  
RT: 3.06 min Scan# 536  
Delta R.T. -0.00 min  
Lab File: VU039800.D  
Acq: 08 Aug 2020 10:19

Tgt Ion: 84 Resp: 1922  
Ion Ratio Lower Upper  
84 100  
86 54.3 43.9 81.5  
49 110.0 94.4 175.4

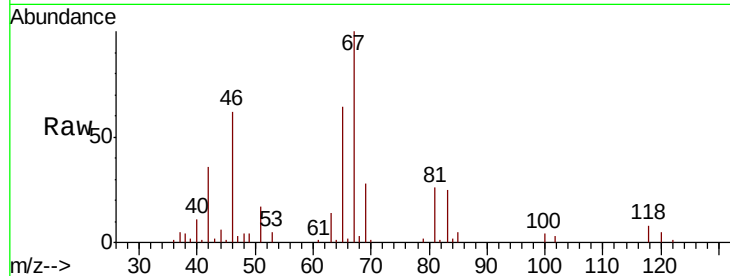




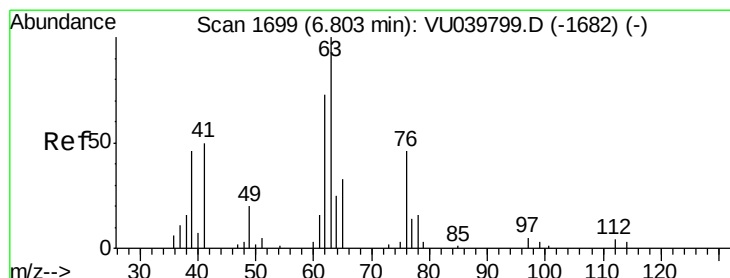
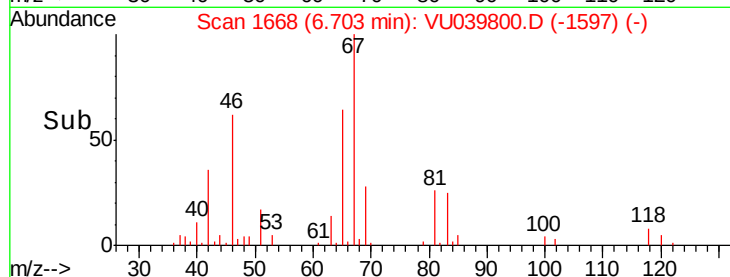
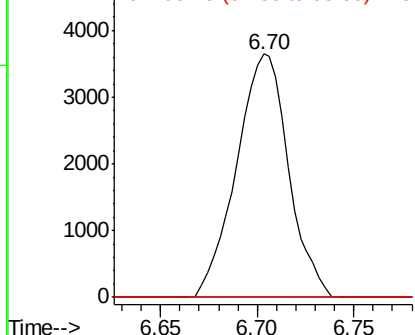
#35  
Methylvlcyclohexane  
Concen: 0.824 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039800.D  
Acq: 08 Aug 2020 10:19

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 6819  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.4 89.0#  
98 1.2 39.0 58.4#

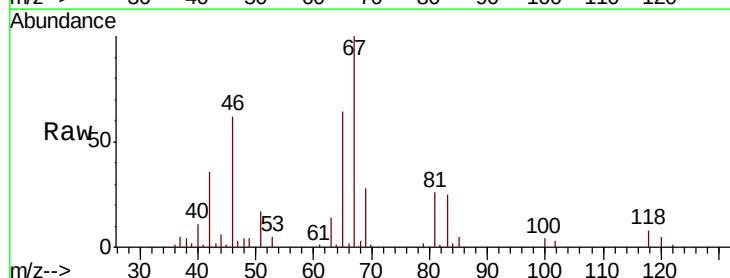


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

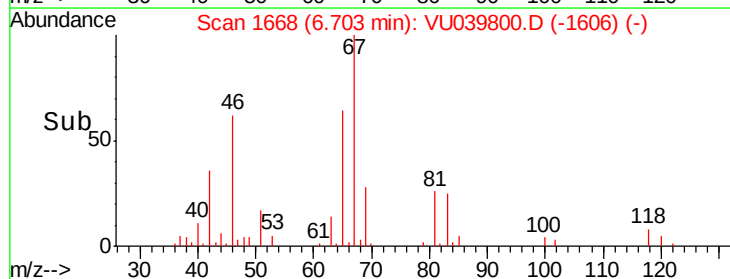
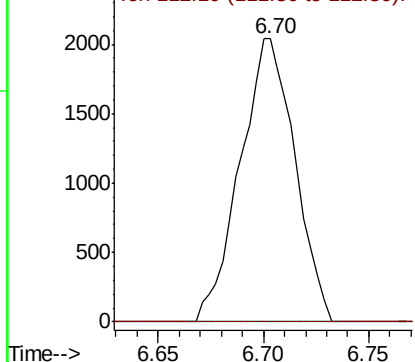


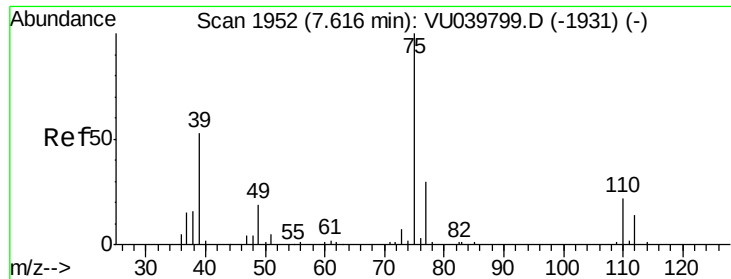
#37  
1,2-Dichloropropane  
Concen: 0.693 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU039800.D  
Acq: 08 Aug 2020 10:19

Tgt Ion: 63 Resp: 3678  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

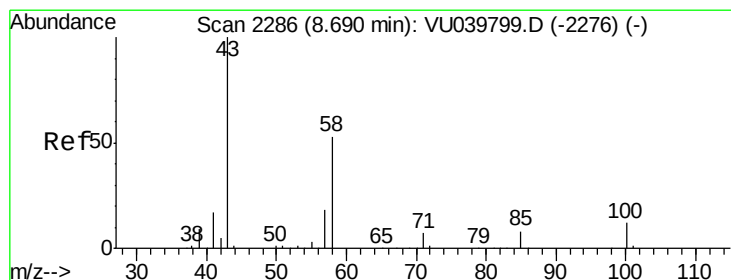
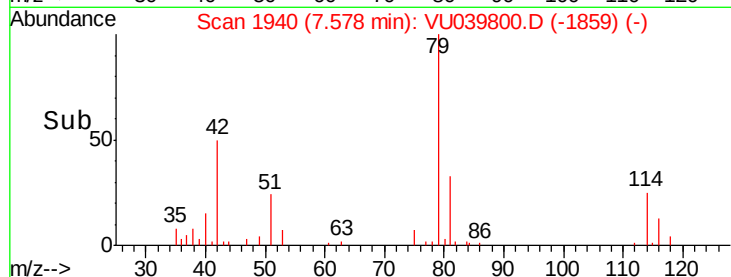
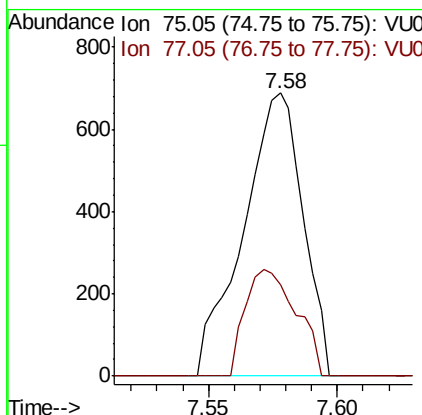
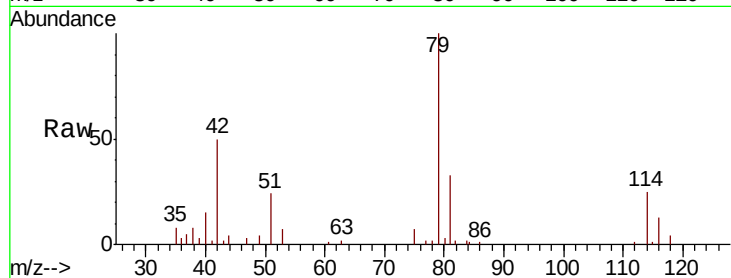




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.154 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU039800.D  
 Acq: 08 Aug 2020 10:19

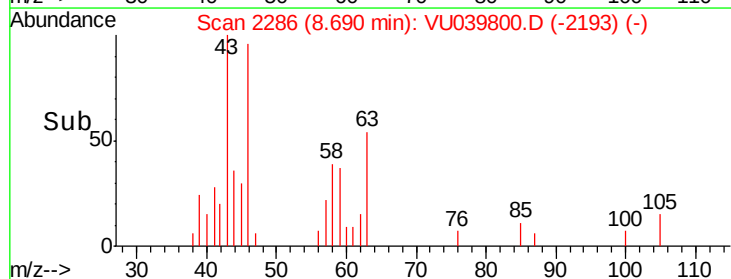
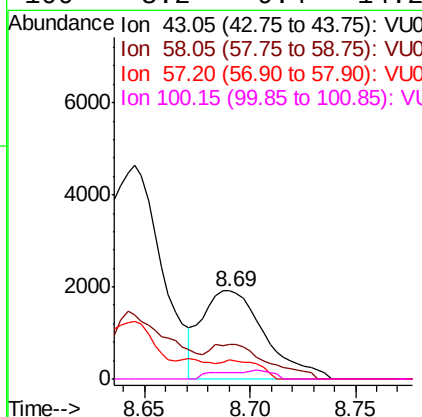
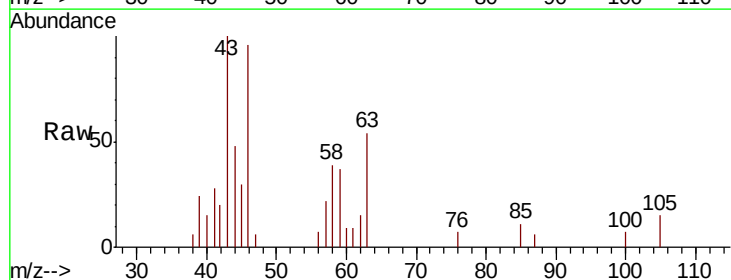
Instrument :  
 MSVOA\_U  
 ClientSampleId :

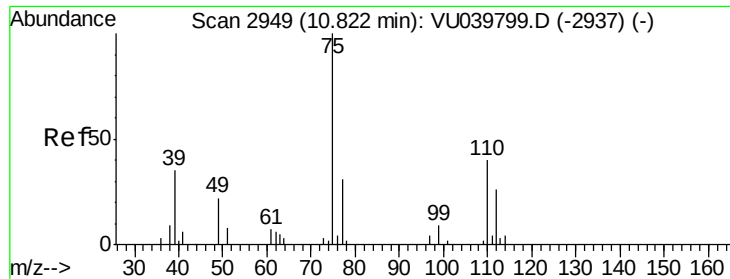
Tot Ion: 75 Resp: 1111  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 22.4 41.6



#48  
 2-Hexanone  
 Concen: 1.382 ug/L  
 RT: 8.69 min Scan# 2286  
 Delta R.T. -0.00 min  
 Lab File: VU039800.D  
 Acq: 08 Aug 2020 10:19

Tgt Ion: 43 Resp: 3957  
 Ion Ratio Lower Upper  
 43 100  
 58 36.1 41.8 62.8#  
 57 12.7 14.2 21.4#  
 100 3.2 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 1.303 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039800.D

Acq: 08 Aug 2020 10:19

Instrument :

MSVOA\_U

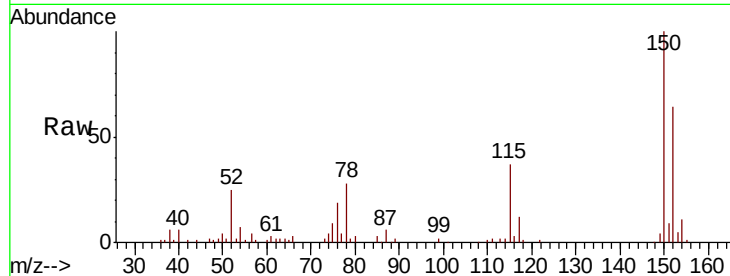
ClientSampleId :

Tot Ion: 75 Resp: 4988

Ion Ratio Lower Upper

75 100

77 34.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039799.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039799.D (-2937) (-)

11.81

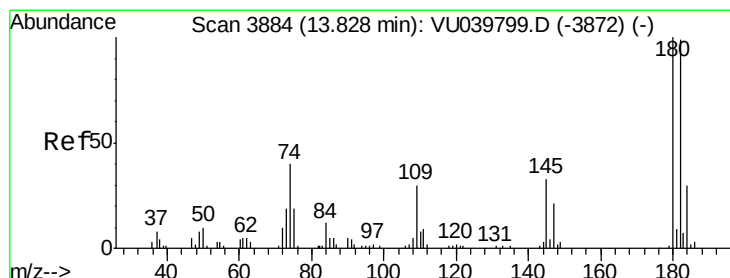
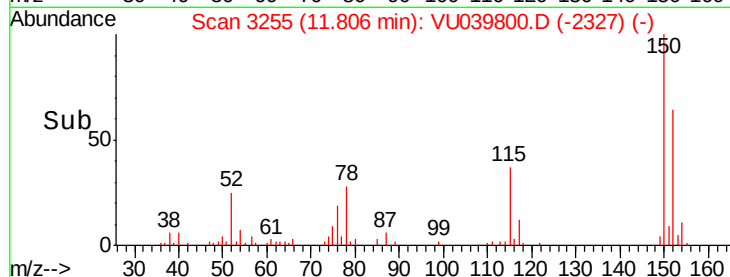
3000

2000

1000

0

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.107 ug/L

RT: 13.83 min Scan# 3883

Delta R.T. -0.00 min

Lab File: VU039800.D

Acq: 08 Aug 2020 10:19

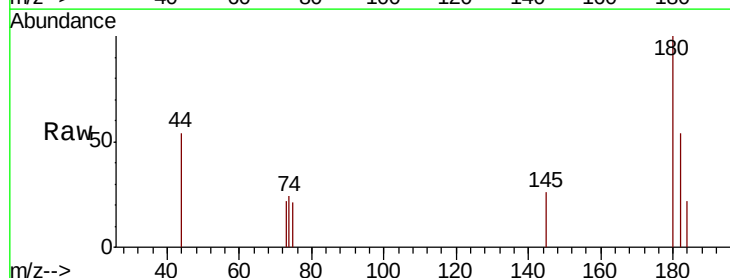
Tgt Ion: 180 Resp: 656

Ion Ratio Lower Upper

180 100

182 72.3 75.7 113.5#

145 13.9 25.1 37.7#



Abundance Ion 179.90 (179.60 to 180.60): VU039799.D (-3872) (-)

Ion 182.00 (181.70 to 182.70): VU039799.D (-3872) (-)

Ion 144.95 (144.65 to 145.65): VU039799.D (-3872) (-)

13.83

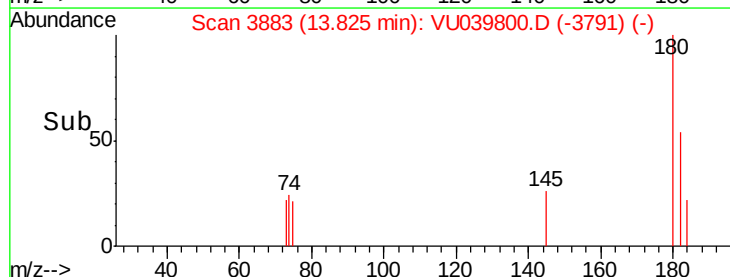
600

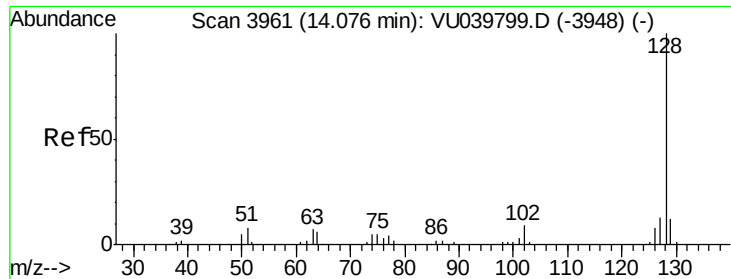
400

200

0

Time-->





#69

Naphthalene

Concen: 0.186 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039800.D

Acq: 08 Aug 2020 10:19

Instrument :

MSVOA\_U

ClientSampleId :

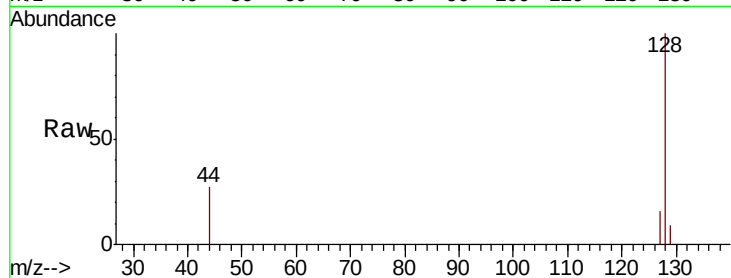
Tot Ion:128 Resp: 2041

Ion Ratio Lower Upper

128 100

129 5.5 8.9 13.3#

127 10.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

