

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060220\  
 Data File : VU038488.D  
 Acq On : 02 Jun 2020 12:05  
 Operator : JC/MD  
 Sample : L2789-20  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 03 00:50:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jun 03 00:48:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 313754   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 305901   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 142950   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 87474    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 73786    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 140236   | 3.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 250435   | 40.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.20%  |
| 24) Chloroform-d               | 5.10   | 84    | 176848   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 106342   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%  |
| 32) Benzene-d6                 | 5.76   | 84    | 364418   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 112522   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 306629   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 44935    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.00%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 268619   | 53.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 97673    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 122942   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

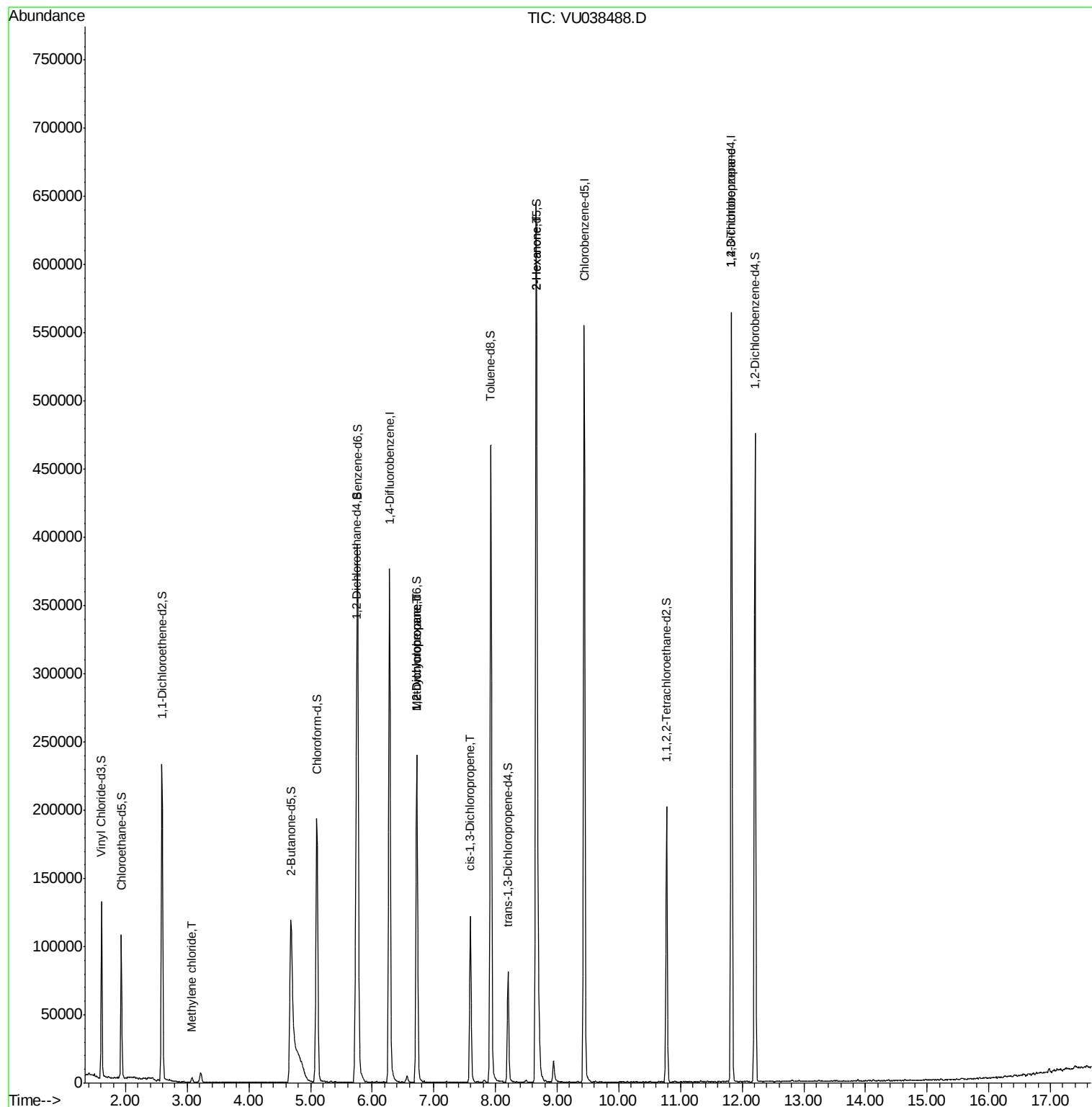
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.08  | 84 | 1658  | 0.076 ug/L   | 93     |
| 35) Methylcyclohexane       | 6.72  | 83 | 26823 | 0.783 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 12670 | 0.590 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3214  | 0.101 ug/L # | 74     |
| 48) 2-Hexanone              | 8.66  | 43 | 28759 | 2.474 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 18609 | 1.162 ug/L   | 93     |

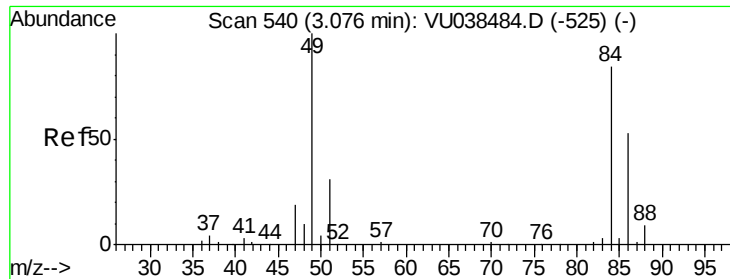
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: Jun 03 00:50:22 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jun 03 00:48:29 2020  
Response via : Initial Calibration

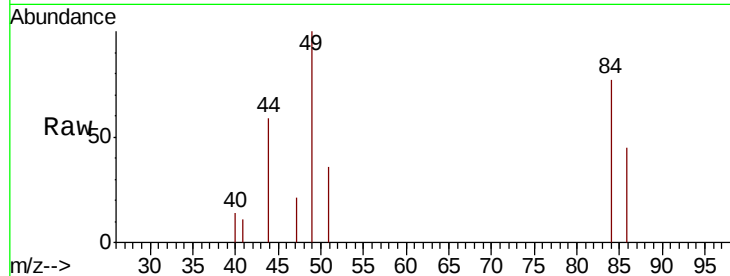




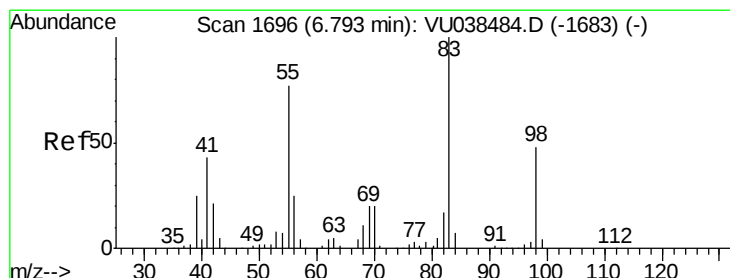
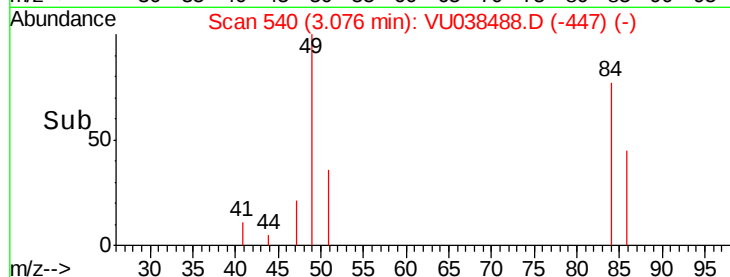
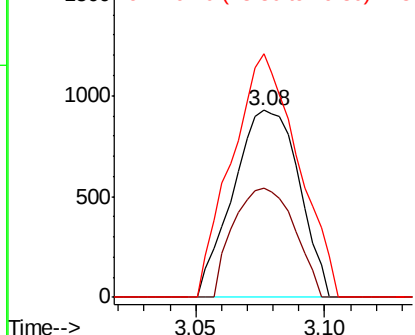
#16  
Methvlene chloride  
Concen: 0.076 ug/L  
RT: 3.08 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: VU038488.D  
Acq: 02 Jun 2020 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 84 Resp: 1658  
Ion Ratio Lower Upper  
84 100  
86 58.3 45.0 83.6  
49 130.2 85.5 158.9

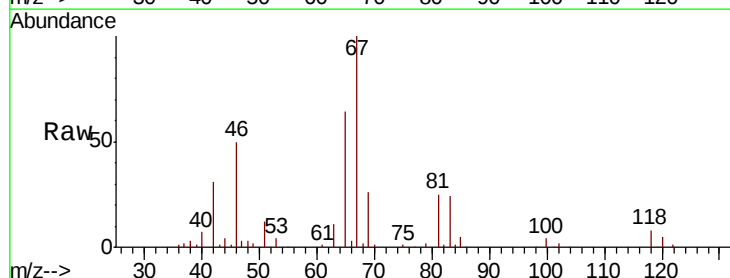


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

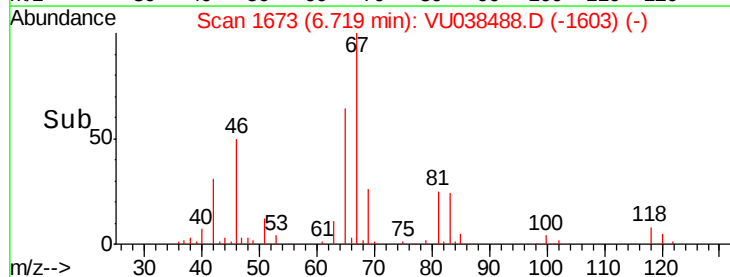
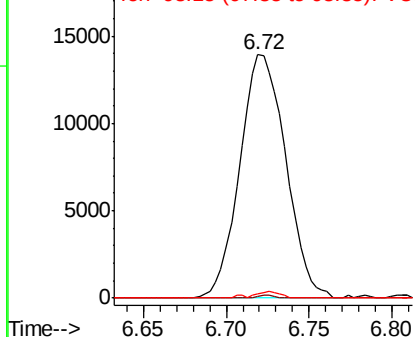


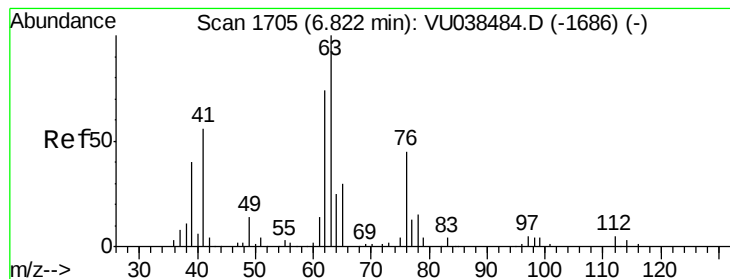
#35  
Methylcyclohexane  
Concen: 0.783 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038488.D  
Acq: 02 Jun 2020 12:05

Tgt Ion: 83 Resp: 26823  
Ion Ratio Lower Upper  
83 100  
55 0.5 63.4 95.2#  
98 1.4 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: 0.590 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038488.D

Acq: 02 Jun 2020 12:05

Instrument :

MSVOA\_U

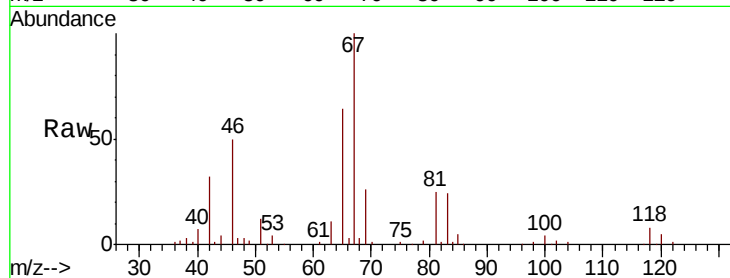
ClientSampleId :

Tot Ion: 63 Resp: 12670

Ion Ratio Lower Upper

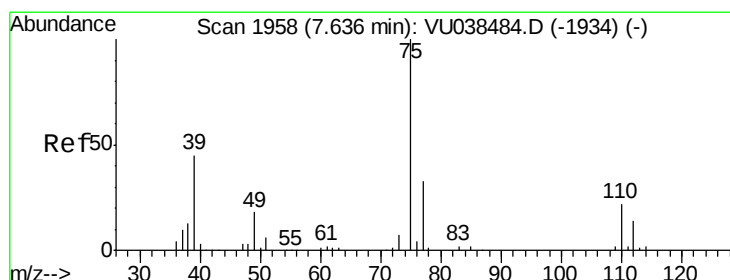
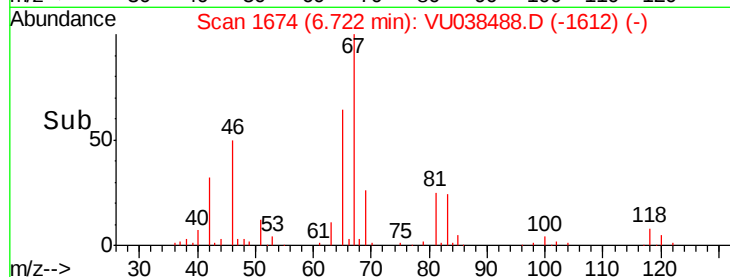
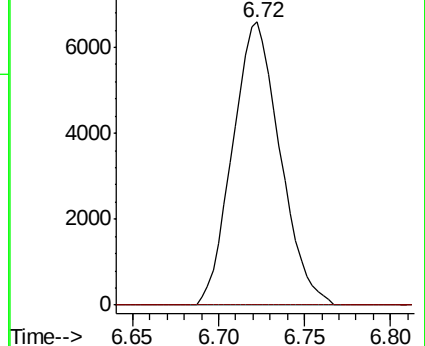
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038488.D (-1674) (-)

Ion 112.10 (111.80 to 112.80): VU038488.D (-1674) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.05 min

Lab File: VU038488.D

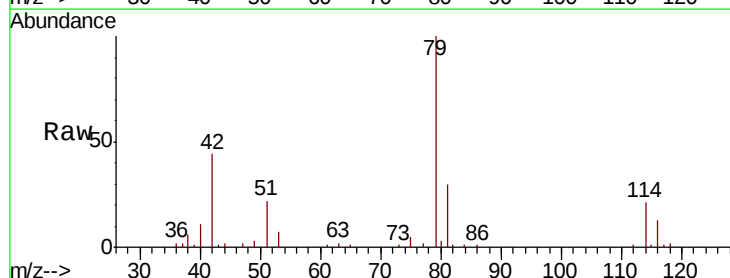
Acq: 02 Jun 2020 12:05

Tgt Ion: 75 Resp: 3214

Ion Ratio Lower Upper

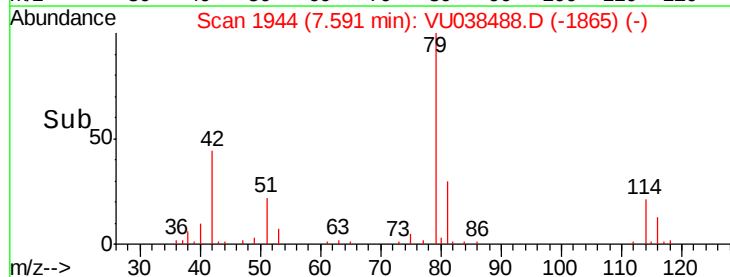
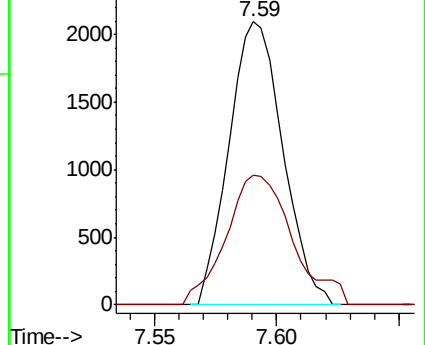
75 100

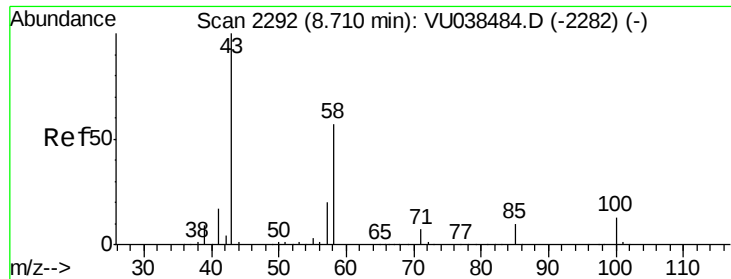
77 45.8 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU038488.D (-1944) (-)

Ion 77.05 (76.75 to 77.75): VU038488.D (-1944) (-)

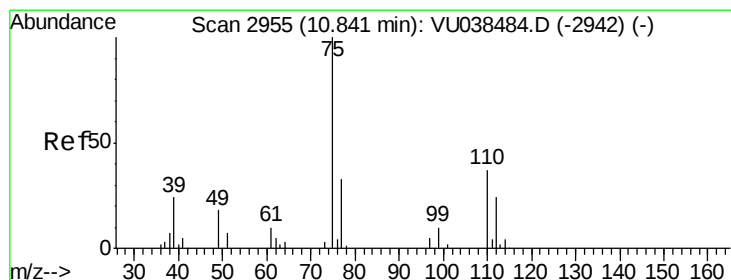
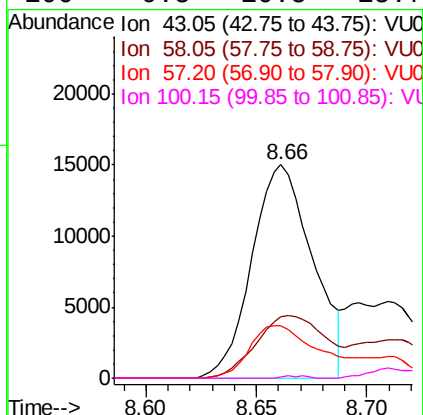
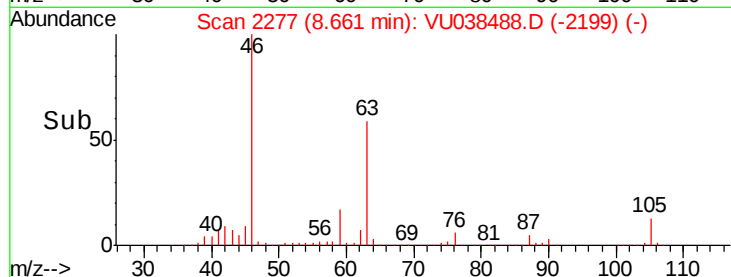
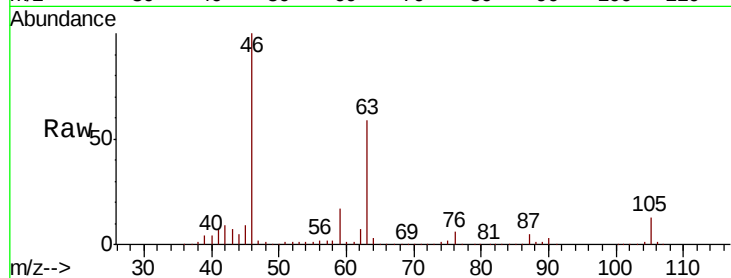




#48  
2-Hexanone  
Concen: 2.474 ug/L  
RT: 8.66 min Scan# 2277  
Delta R.T. -0.05 min  
Lab File: VU038488.D  
Acq: 02 Jun 2020 12:05

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 28759  
Ion Ratio Lower Upper  
43 100  
58 34.0 45.4 68.0#  
57 28.2 15.9 23.9#  
100 0.5 10.5 15.7#



#59  
1,2,3-Trichloropropane  
Concen: 1.162 ug/L  
RT: 11.83 min Scan# 3261  
Delta R.T. 0.98 min  
Lab File: VU038488.D  
Acq: 02 Jun 2020 12:05

Tgt Ion: 75 Resp: 18609  
Ion Ratio Lower Upper  
75 100  
77 35.4 25.4 38.2

