

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\  
 Data File : VU038634.D  
 Acq On : 06 Jun 2020 23:02  
 Operator : SY/MD  
 Sample : VU0606WBL02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK06

Quant Time: Jun 08 03:00:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 08 02:53:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 302695   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 291802   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 138464   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 80284    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 72913    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 129040   | 3.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.00%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 340075   | 57.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.28% |
| 24) Chloroform-d               | 5.10   | 84    | 181412   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 109297   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 366451   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 114406   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.20% |
| 41) Toluene-d8                 | 7.92   | 98    | 295319   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 42804    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 283149   | 59.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 119.04% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 101394   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 119058   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

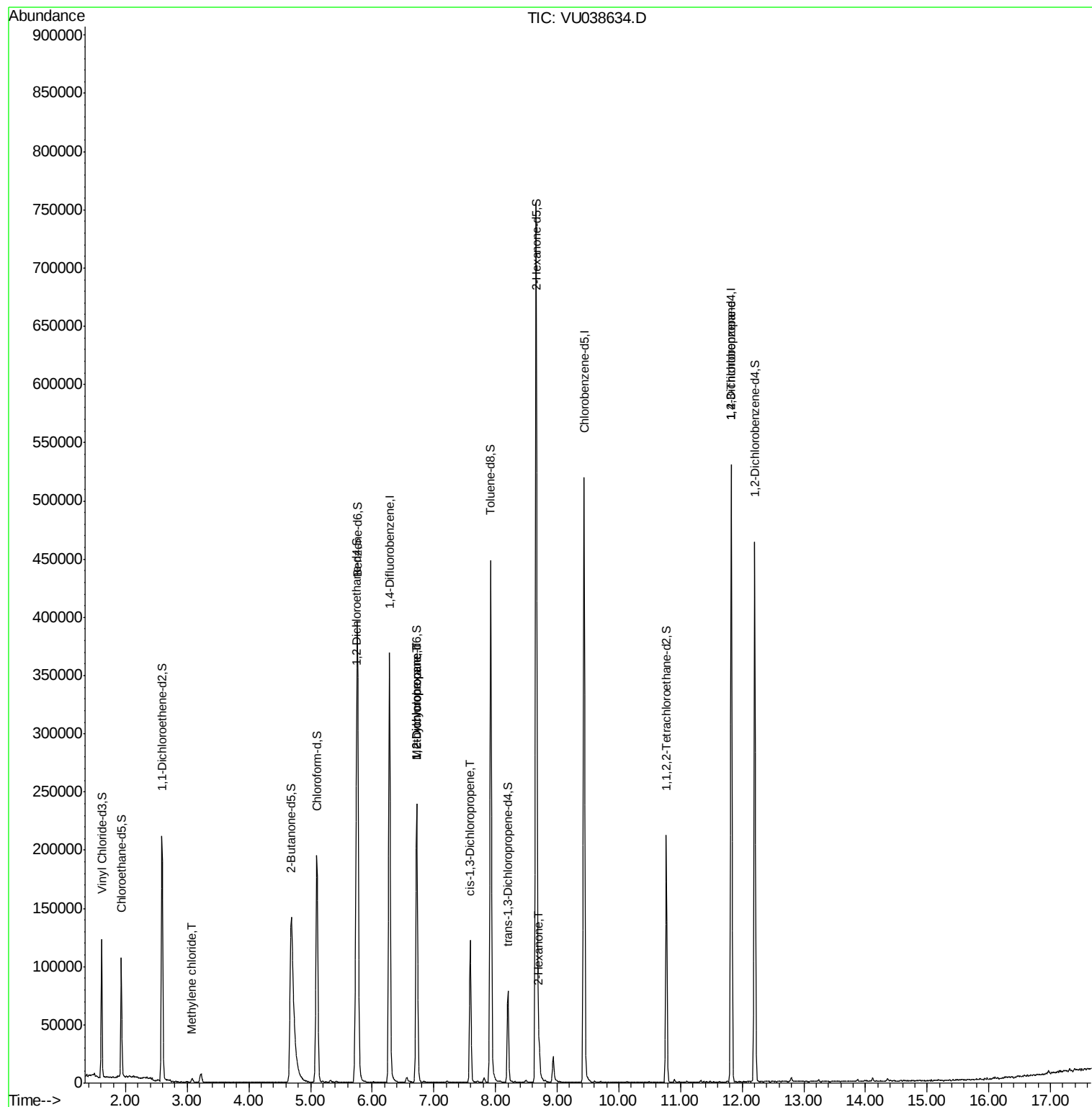
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.08  | 84 | 1903  | 0.090 ug/L # | 71     |
| 35) Methylcyclohexane       | 6.72  | 83 | 26302 | 0.804 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 12438 | 0.607 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2683  | 0.089 ug/L # | 43     |
| 48) 2-Hexanone              | 8.71  | 43 | 13017 | 1.174 ug/L # | 93     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 17620 | 1.153 ug/L   | 90     |

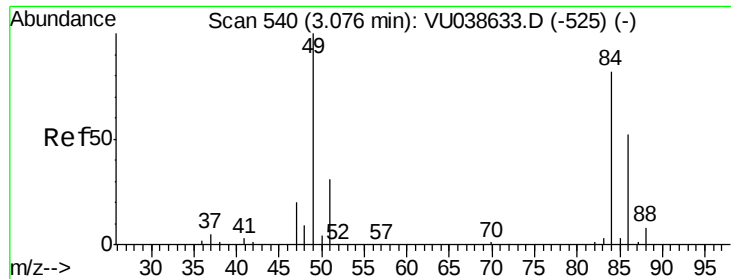
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU060620\  
Data File : VU038634.D  
Acq On : 06 Jun 2020 23:02  
Operator : SY/MD  
Sample : VU0606WBL02  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK06

Quant Time: Jun 08 03:00:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 08 02:53:04 2020  
Response via : Initial Calibration

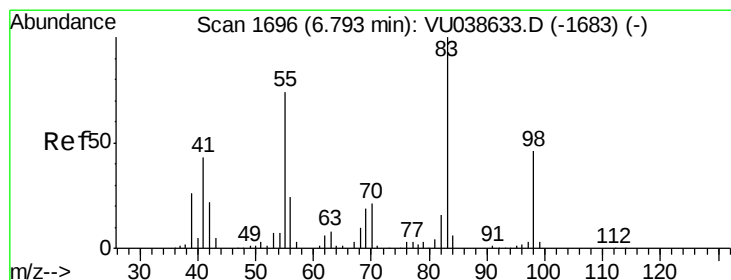
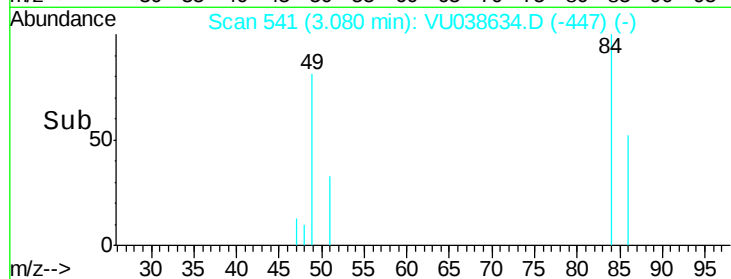
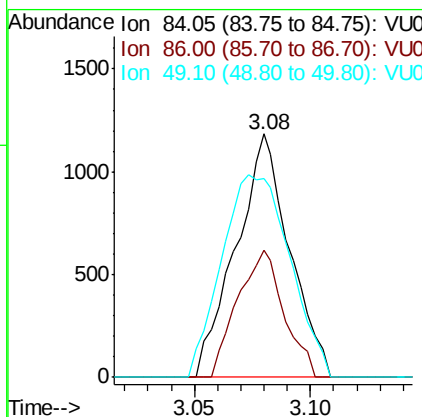
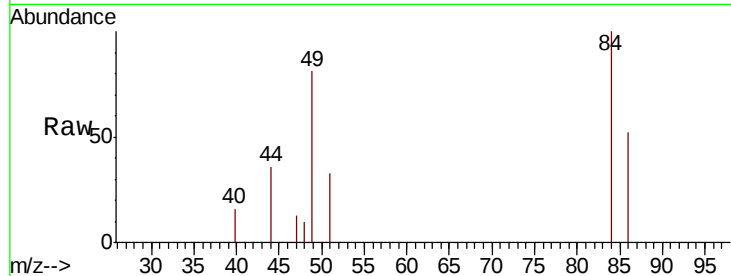




#16  
Methvlene chloride  
Concen: 0.090 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU038634.D  
Acq: 06 Jun 2020 23:02

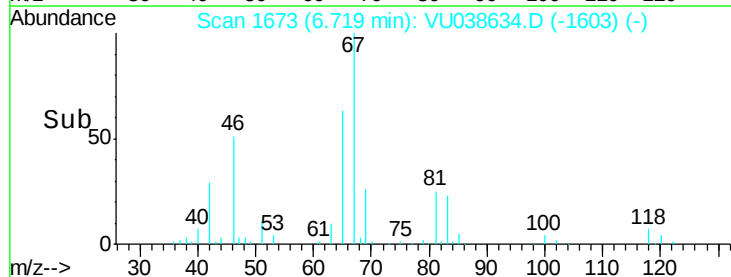
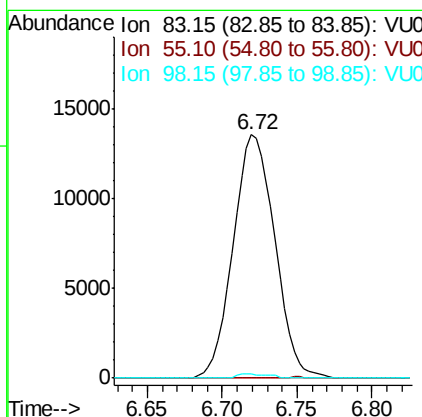
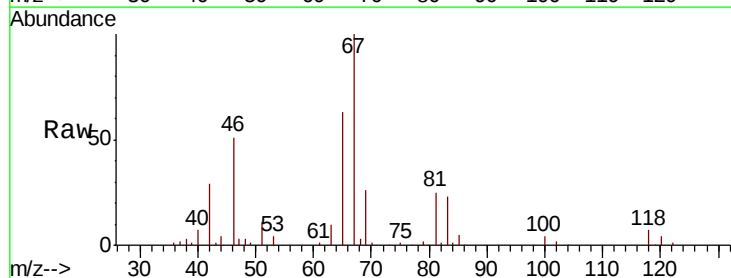
Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK06

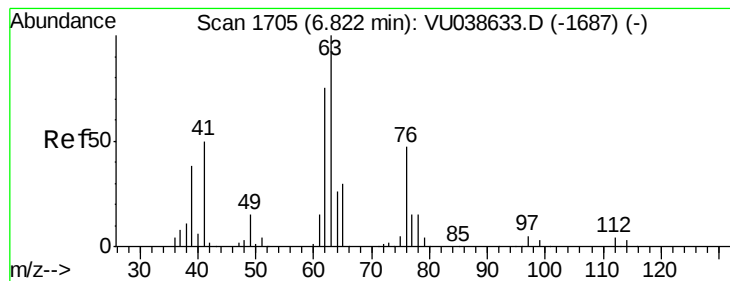
Tot Ion: 84 Resp: 1903  
Ion Ratio Lower Upper  
84 100  
86 52.4 45.0 83.6  
49 81.4 85.5 158.9#



#35  
Methylcyclohexane  
Concen: 0.804 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038634.D  
Acq: 06 Jun 2020 23:02

Tgt Ion: 83 Resp: 26302  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.4 95.2#  
98 0.8 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.607 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038634.D

Acq: 06 Jun 2020 23:02

Instrument :

MSVOA\_U

ClientSampled :

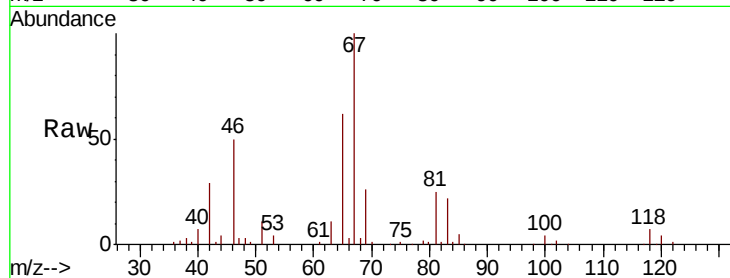
VBLK06

Tot Ion: 63 Resp: 12438

Ion Ratio Lower Upper

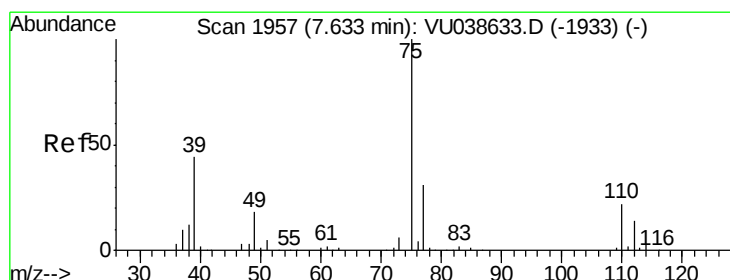
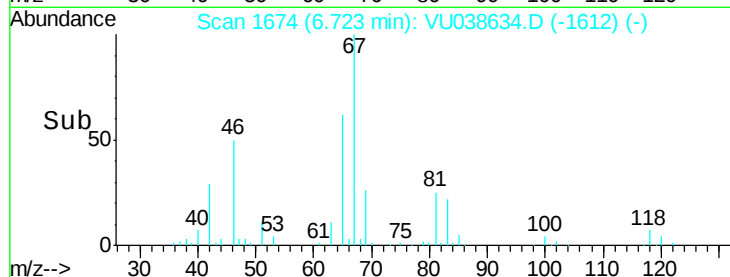
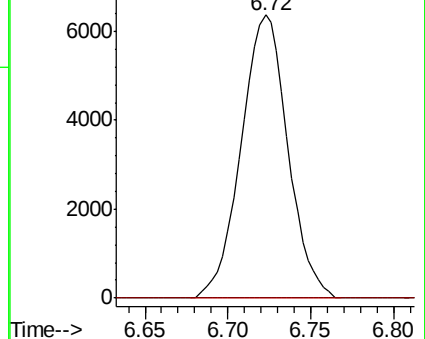
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038633.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038633.D (-1687) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038634.D

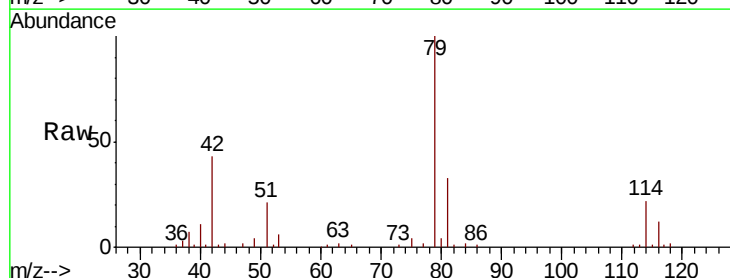
Acq: 06 Jun 2020 23:02

Tgt Ion: 75 Resp: 2683

Ion Ratio Lower Upper

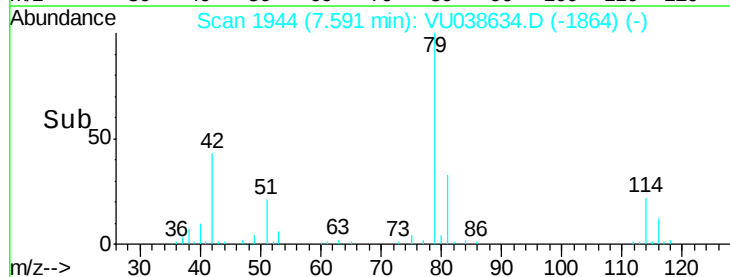
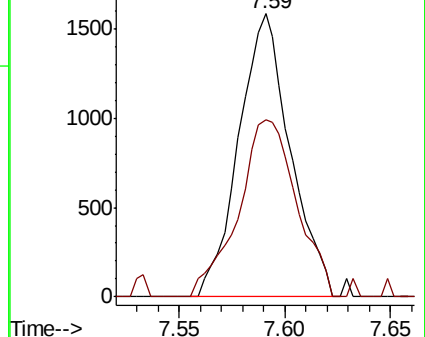
75 100

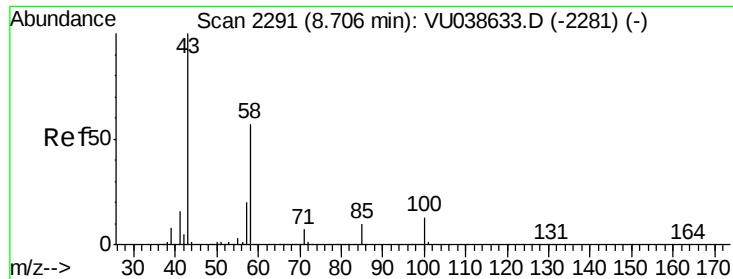
77 62.8 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU038633.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU038633.D (-1933) (-)

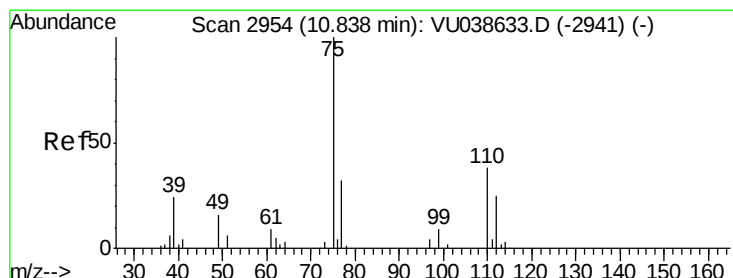
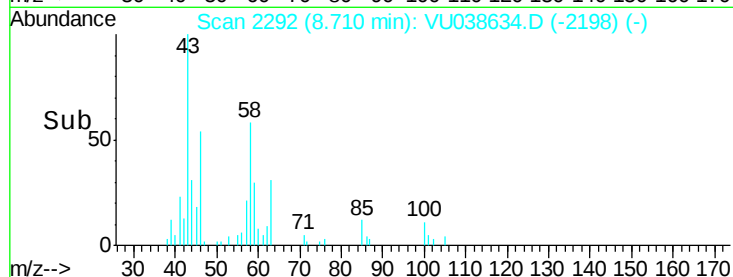
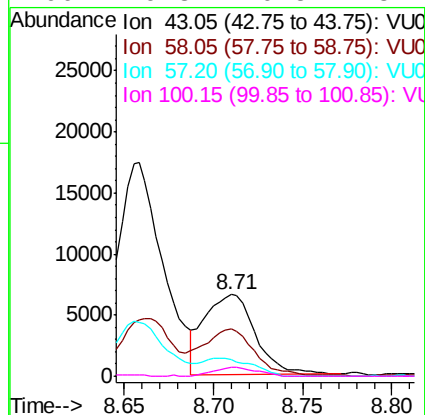
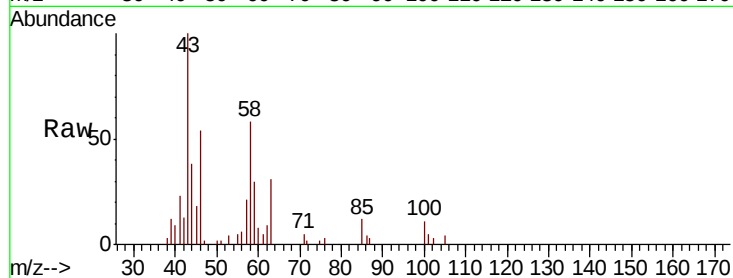




#48  
2-Hexanone  
Concen: 1.174 ug/L  
RT: 8.71 min Scan# 2292  
Delta R.T. 0.00 min  
Lab File: VU038634.D  
Acq: 06 Jun 2020 23:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK06

Tot Ion: 43 Resp: 13017  
Ion Ratio Lower Upper  
43 100  
58 61.8 45.4 68.0  
57 22.7 15.9 23.9  
100 9.3 10.5 15.7#



#59  
1,2,3-Trichloropropane  
Concen: 1.153 ug/L  
RT: 11.83 min Scan# 3261  
Delta R.T. 0.99 min  
Lab File: VU038634.D  
Acq: 06 Jun 2020 23:02

Tgt Ion: 75 Resp: 17620  
Ion Ratio Lower Upper  
75 100  
77 37.2 25.4 38.2

