

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\  
 Data File : VU040364.D  
 Acq On : 29 Sep 2020 17:14  
 Operator : SY/MD  
 Sample : L4164-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0AE2

Quant Time: Sep 30 01:53:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Sep 30 01:43:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 128734   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 132572   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 60256    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29367    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 29391    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.40% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 49470    | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.60%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 166920   | 52.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.46% |
| 24) Chloroform-d               | 5.08   | 84    | 75052    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 48324    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60% |
| 32) Benzene-d6                 | 5.75   | 84    | 132603   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 48831    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 7.91   | 98    | 104040   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 18609    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 121032   | 51.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 46173    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 48771    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

## Target Compounds

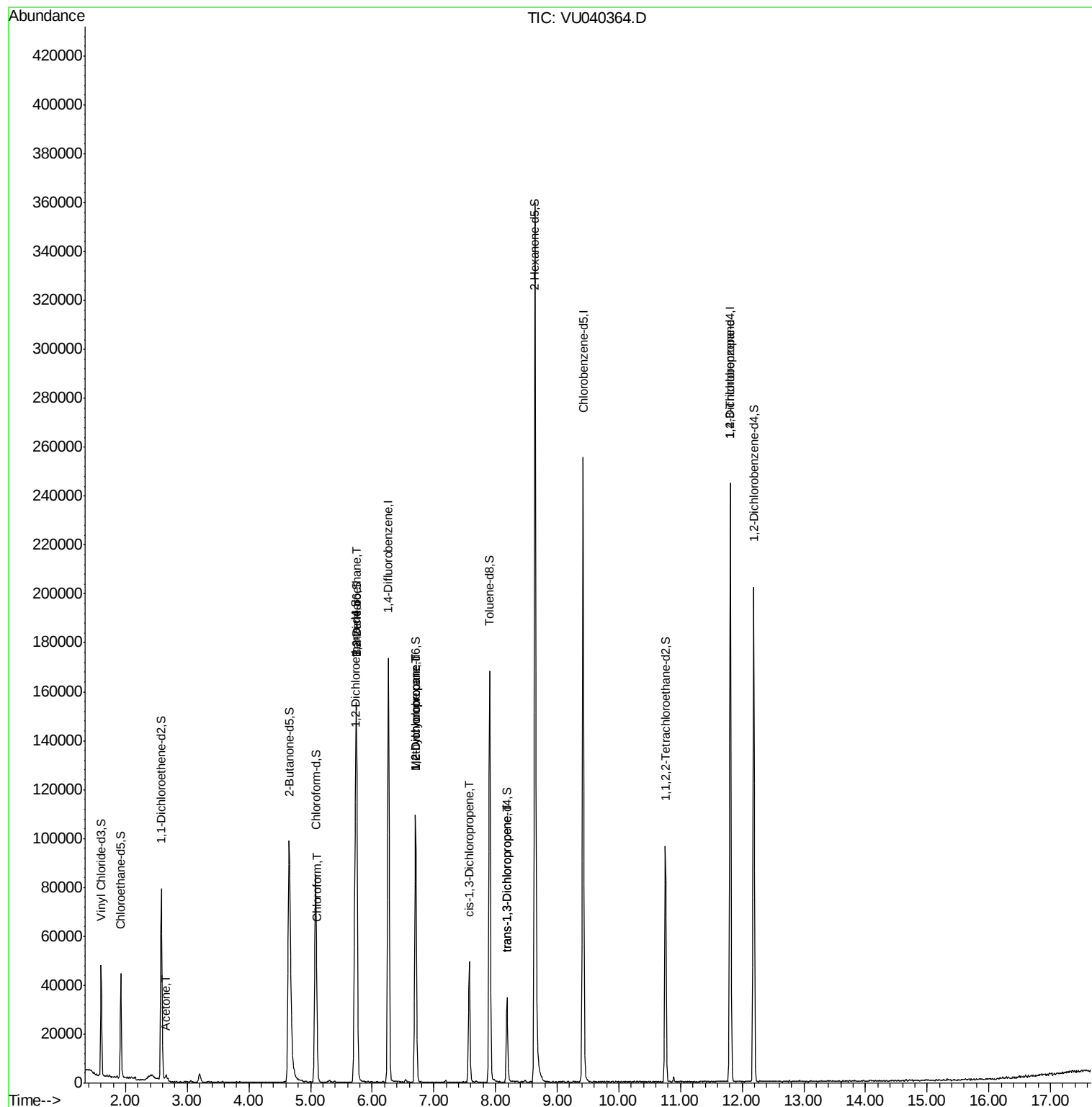
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.66  | 43 | 3935  | 1.492 ug/L   | 90     |
| 25) Chloroform                | 5.11  | 83 | 2420  | 0.114 ug/L   | 80     |
| 27) 1,2-Dichloroethane        | 5.74  | 62 | 841   | 0.057 ug/L # | 74     |
| 35) Methylcyclohexane         | 6.70  | 83 | 10681 | 0.617 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63 | 5702  | 0.461 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75 | 1496  | 0.090 ug/L   | 100    |
| 44) trans-1,3-Dichloropropene | 8.19  | 75 | 863   | 0.056 ug/L # | 78     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 8833  | 0.984 ug/L   | 99     |

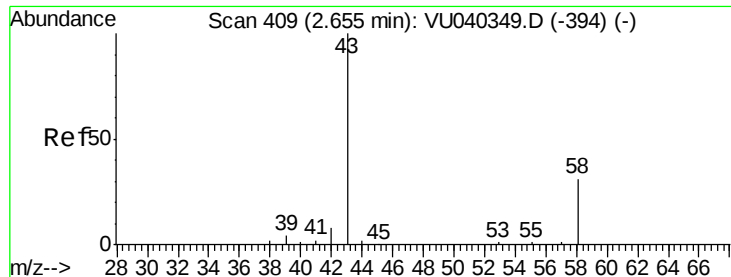
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Sep 30 01:43:05 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.492 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040364.D

Acq: 29 Sep 2020 17:14

Instrument :

MSVOA\_U

ClientSampled :

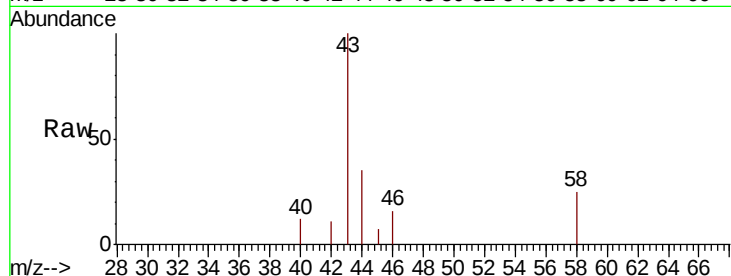
E0AE2

Tot Ion: 43 Resp: 3935

Ion Ratio Lower Upper

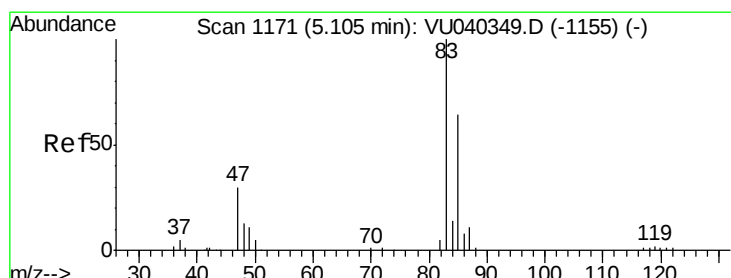
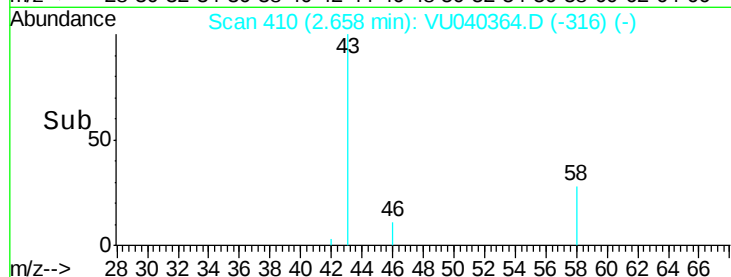
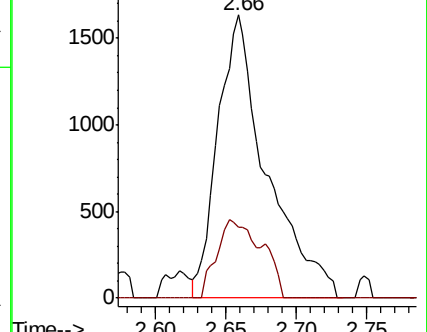
43 100

58 25.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040349.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU040349.D (-394) (-)



#25

Chloroform

Concen: 0.114 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040364.D

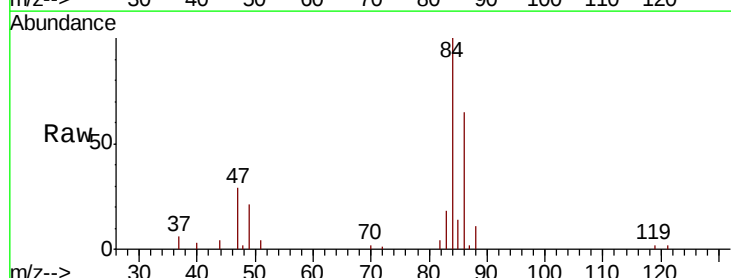
Acq: 29 Sep 2020 17:14

Tgt Ion: 83 Resp: 2420

Ion Ratio Lower Upper

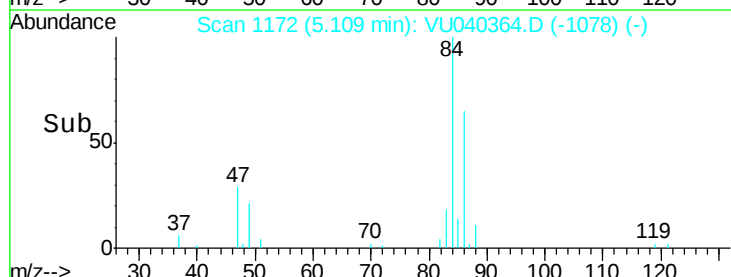
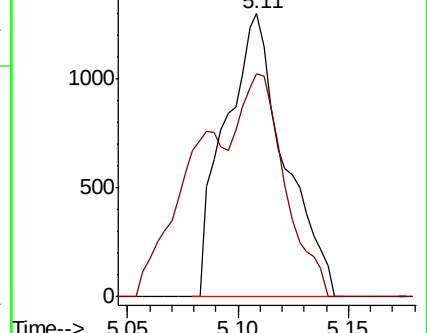
83 100

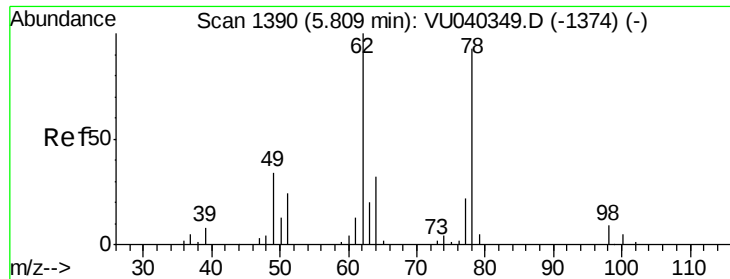
85 79.0 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040349.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU040349.D (-1155) (-)

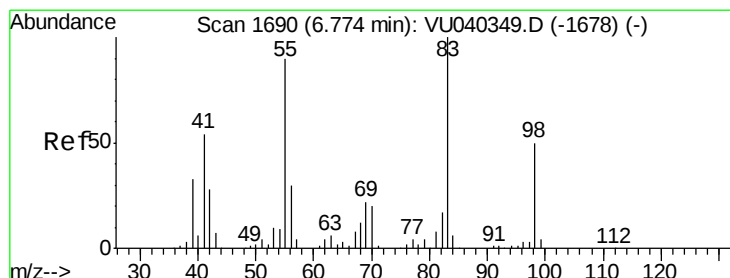
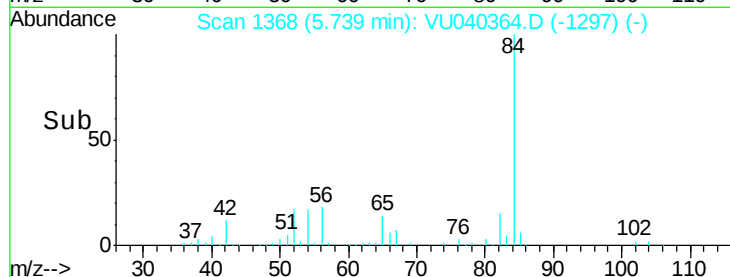
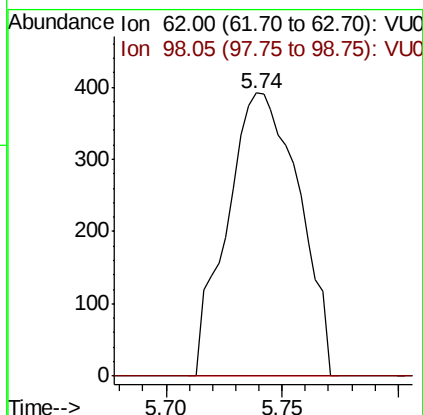
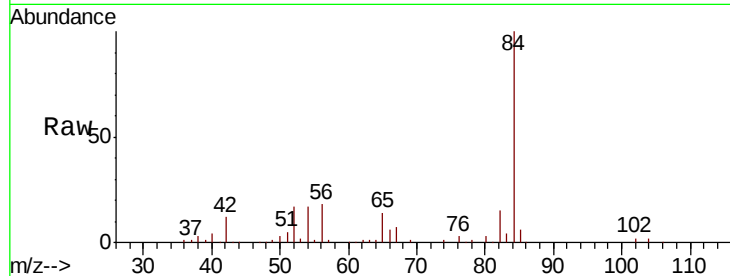




#27  
 1,2-Dichloroethane  
 Concen: 0.057 ug/L  
 RT: 5.74 min Scan# 1368  
 Delta R.T. -0.07 min  
 Lab File: VU040364.D  
 Acq: 29 Sep 2020 17:14

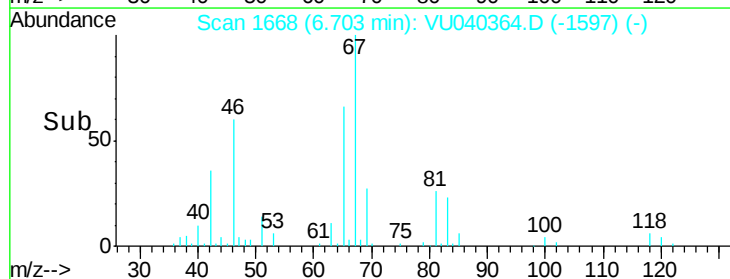
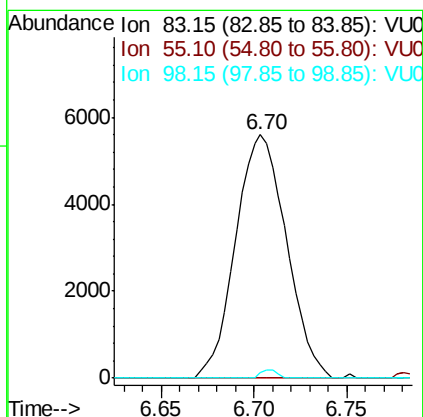
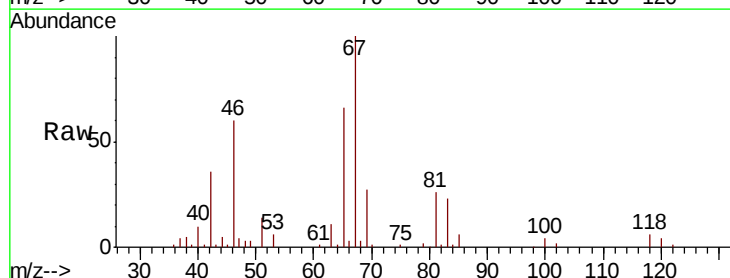
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0AE2

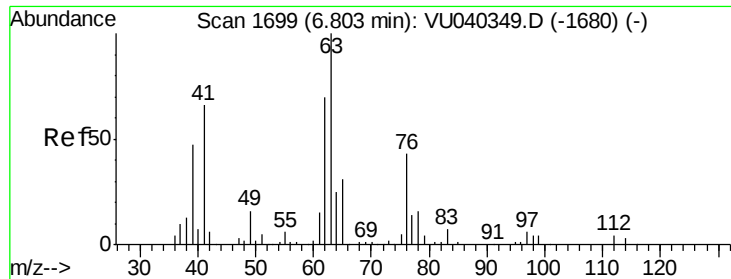
Tot Ion: 62 Resp: 841  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.5 11.3#



#35  
 Methylcyclohexane  
 Concen: 0.617 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.07 min  
 Lab File: VU040364.D  
 Acq: 29 Sep 2020 17:14

Tgt Ion: 83 Resp: 10681  
 Ion Ratio Lower Upper  
 83 100  
 55 0.6 71.4 107.2#  
 98 1.1 38.5 57.7#

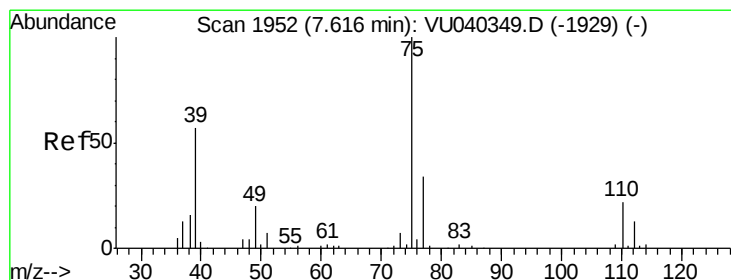
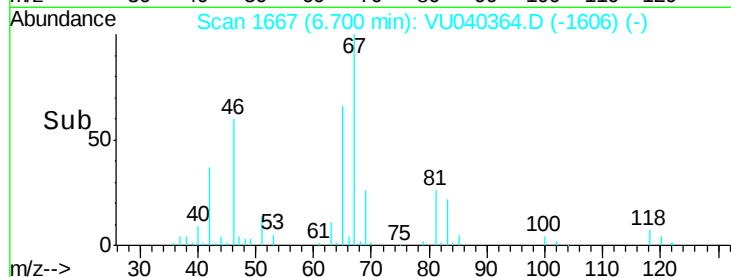
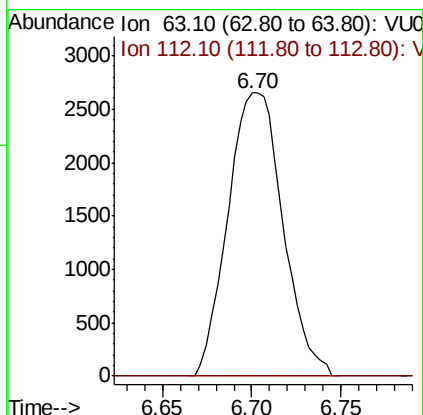
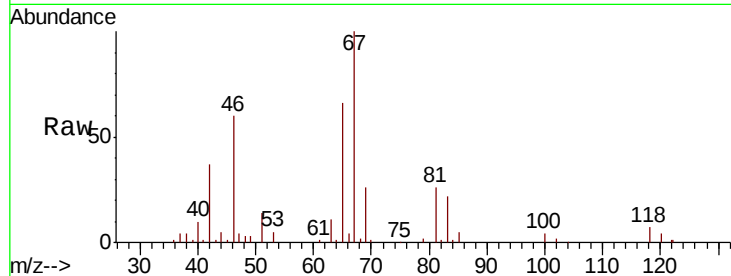




#37  
 1,2-Dichloropropane  
 Concen: 0.461 ug/L  
 RT: 6.70 min Scan# 1667  
 Delta R.T. -0.10 min  
 Lab File: VU040364.D  
 Acq: 29 Sep 2020 17:14

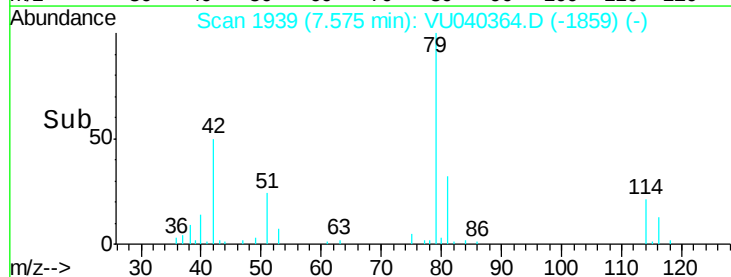
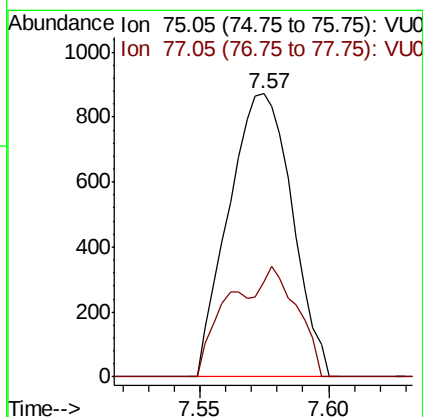
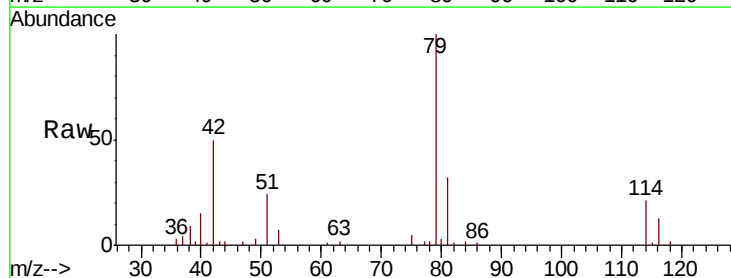
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0AE2

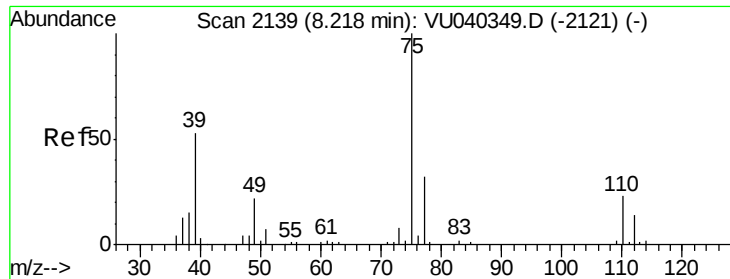
Tot Ion: 63 Resp: 5702  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.2 4.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.090 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU040364.D  
 Acq: 29 Sep 2020 17:14

Tgt Ion: 75 Resp: 1496  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 23.5 43.7





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040364.D

Acq: 29 Sep 2020 17:14

Instrument :

MSVOA\_U

ClientSampleId :

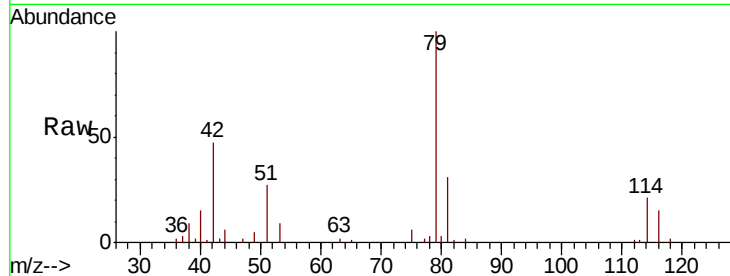
E0AE2

Tot Ion: 75 Resp: 863

Ion Ratio Lower Upper

75 100

77 43.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

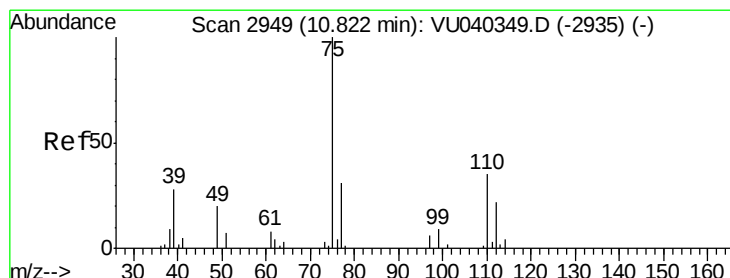
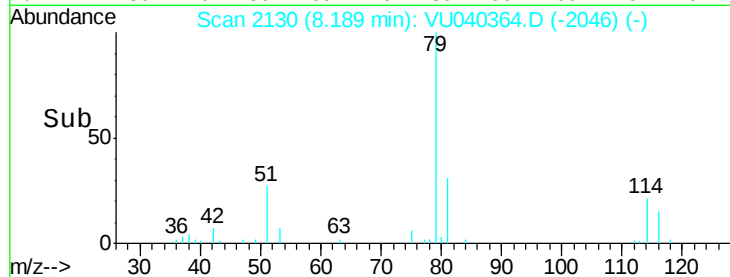
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.984 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040364.D

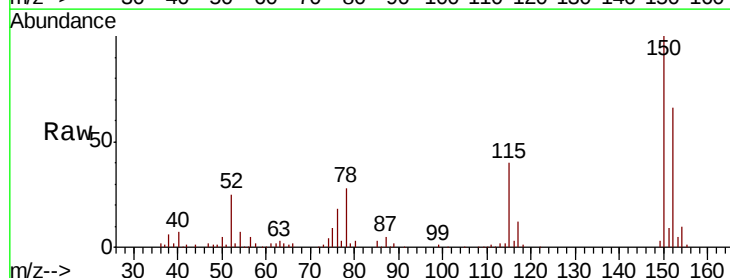
Acq: 29 Sep 2020 17:14

Tgt Ion: 75 Resp: 8833

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

6000

5000

4000

3000

2000

1000

0

Time-->

