

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082420\  
 Data File : VU039950.D  
 Acq On : 24 Aug 2020 16:35  
 Operator : SY/MD  
 Sample : L3767-10  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 25 02:05:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 25 02:02:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 69162    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 64543    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 28882    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 25708    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 22169    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 37712    | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.60%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 74369    | 38.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 77.04%  |
| 24) Chloroform-d               | 5.08   | 84    | 48487    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 29545    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60%  |
| 32) Benzene-d6                 | 5.75   | 84    | 98104    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 32838    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.60% |
| 41) Toluene-d8                 | 7.91   | 98    | 82851    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12143    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 56520    | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 23130    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 29700    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.20% |

## Target Compounds

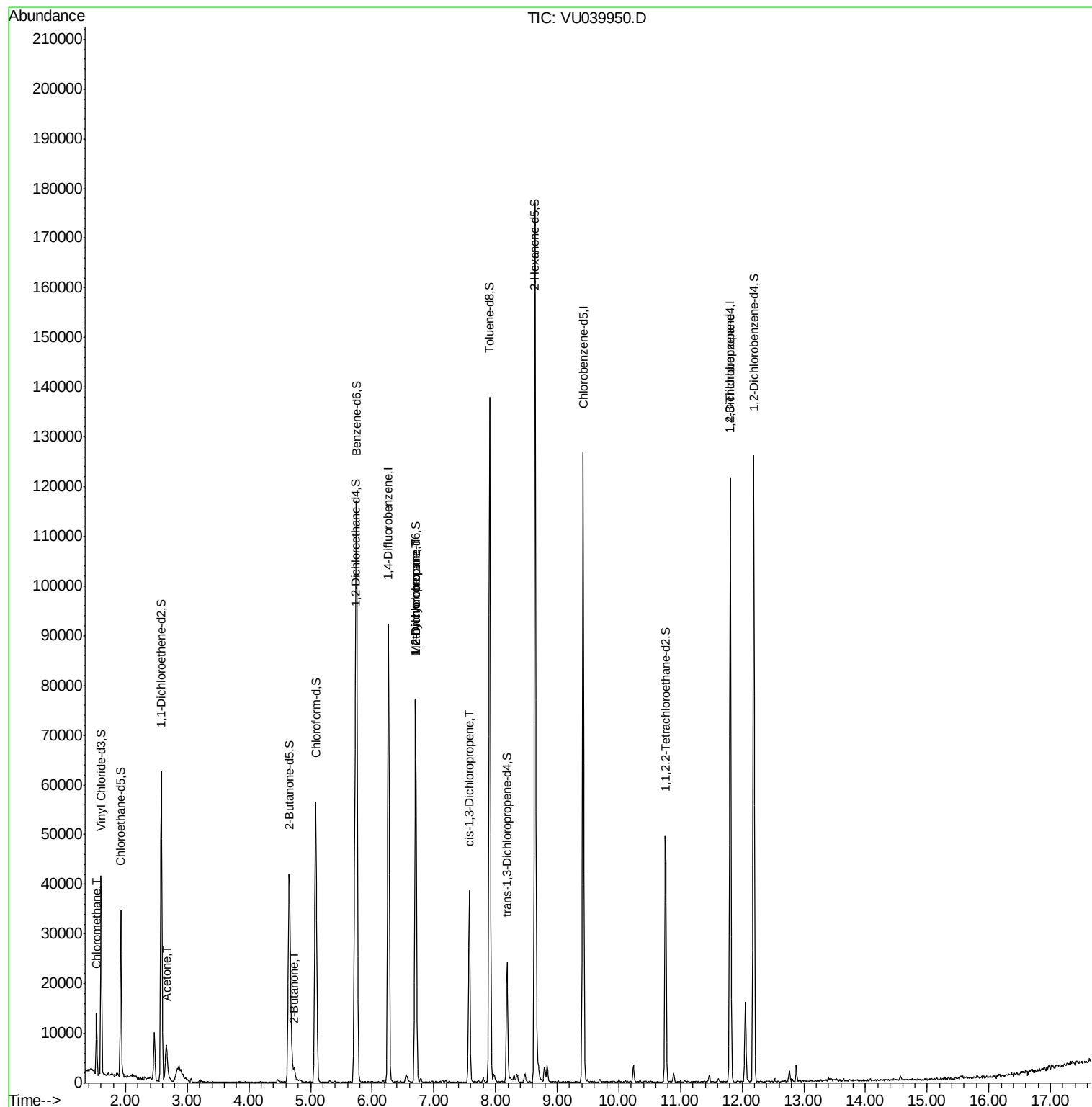
|                             |       |    |       |        | Ovalue    |
|-----------------------------|-------|----|-------|--------|-----------|
| 3) Chloromethane            | 1.53  | 50 | 8646  | 1.063  | ug/L 98   |
| 13) Acetone                 | 2.66  | 43 | 13476 | 10.215 | ug/L # 48 |
| 21) 2-Butanone              | 4.74  | 43 | 3337  | 1.456  | ug/L 89   |
| 35) Methylcyclohexane       | 6.70  | 83 | 7200  | 0.772  | ug/L # 16 |
| 37) 1,2-Dichloropropane     | 6.70  | 63 | 3815  | 0.612  | ug/L # 85 |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 1062  | 0.122  | ug/L # 63 |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 4448  | 0.996  | ug/L 93   |

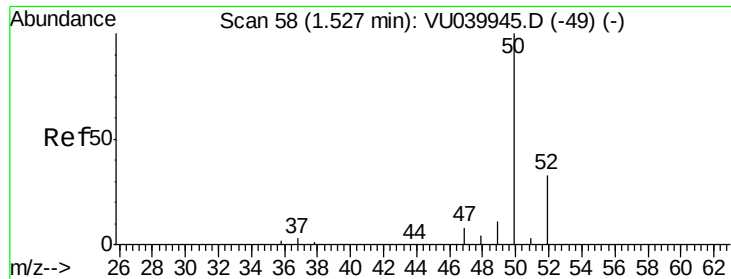
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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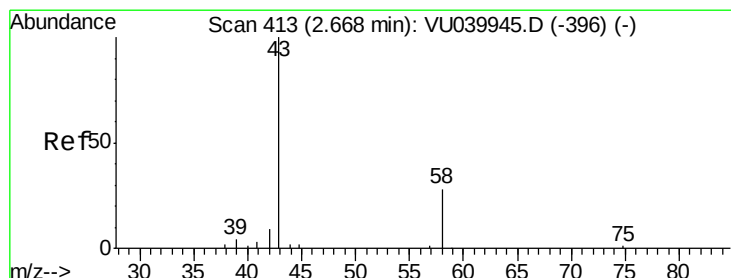
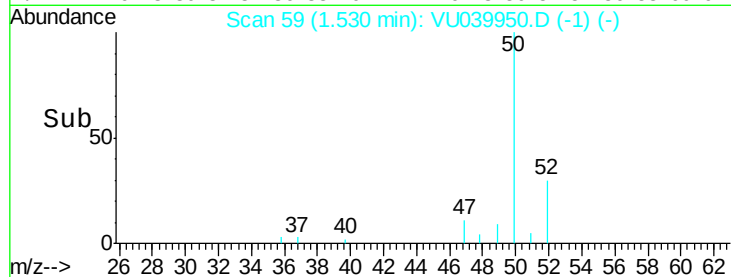
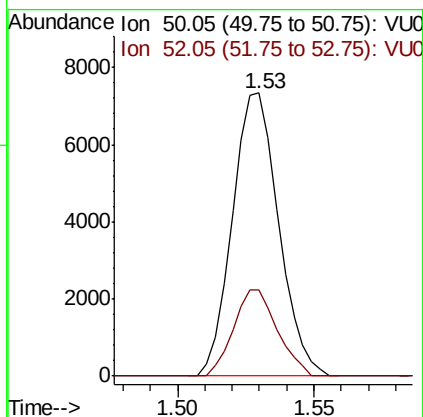
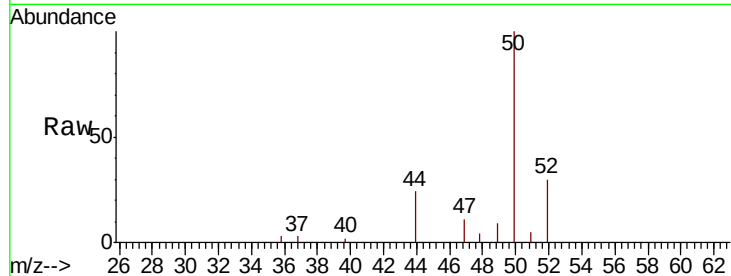




#3  
 Chloromethane  
 Concen: 1.063 ug/L  
 RT: 1.53 min Scan# 59  
 Delta R.T. 0.00 min  
 Lab File: VU039950.D  
 Acq: 24 Aug 2020 16:35

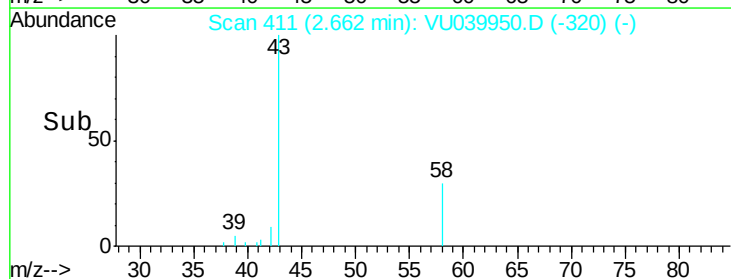
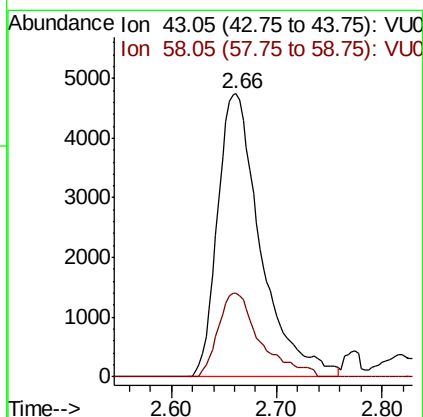
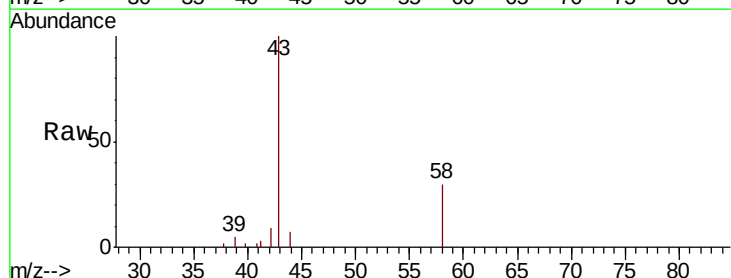
Instrument :  
 MSVOA\_U  
 ClientSampleId :

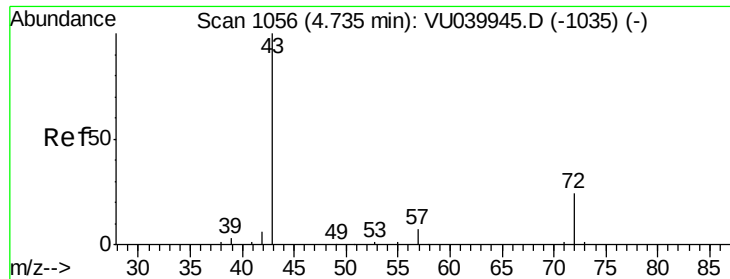
Tot Ion: 50 Resp: 8646  
 Ion Ratio Lower Upper  
 50 100  
 52 30.4 21.9 40.7



#13  
 Acetone  
 Concen: 10.215 ug/L  
 RT: 2.66 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: VU039950.D  
 Acq: 24 Aug 2020 16:35

Tgt Ion: 43 Resp: 13476  
 Ion Ratio Lower Upper  
 43 100  
 58 28.7 0.0 19.0#





#21

2-Butanone

Concen: 1.456 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU039950.D

Acq: 24 Aug 2020 16:35

Instrument :

MSVOA\_U

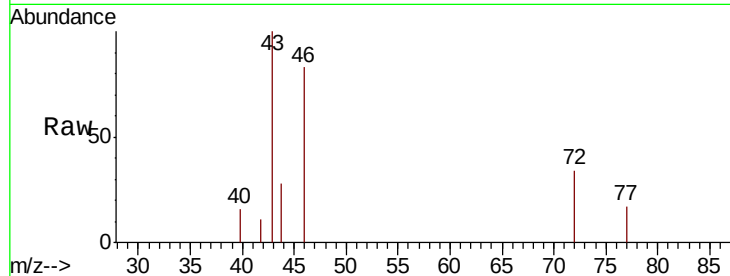
ClientSampled :

Tot Ion: 43 Resp: 3337

Ion Ratio Lower Upper

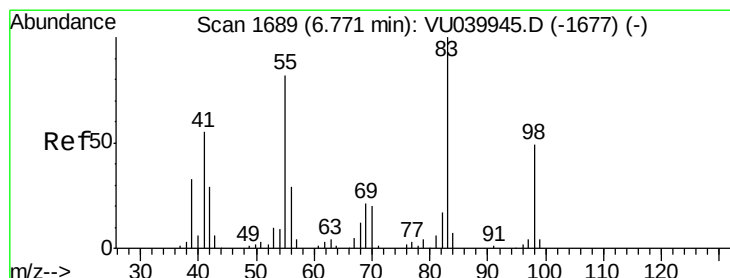
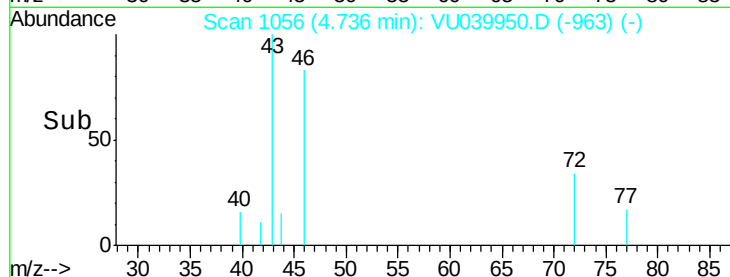
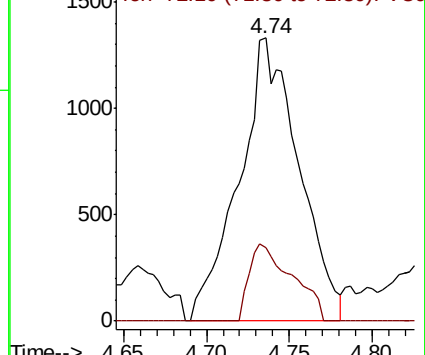
43 100

72 19.6 12.7 38.0



Abundance Ion 43.05 (42.75 to 43.75): VU039950.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU039950.D (-963) (-)



#35

Methylcyclohexane

Concen: 0.772 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039950.D

Acq: 24 Aug 2020 16:35

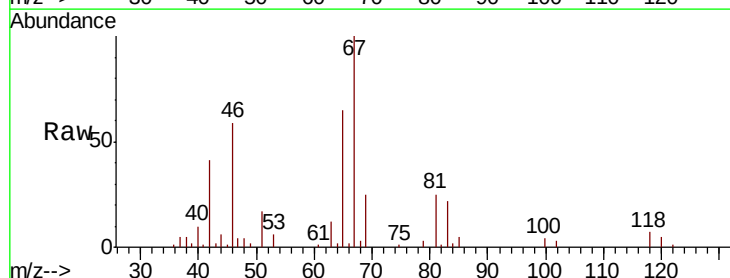
Tgt Ion: 83 Resp: 7200

Ion Ratio Lower Upper

83 100

55 0.0 64.1 96.1#

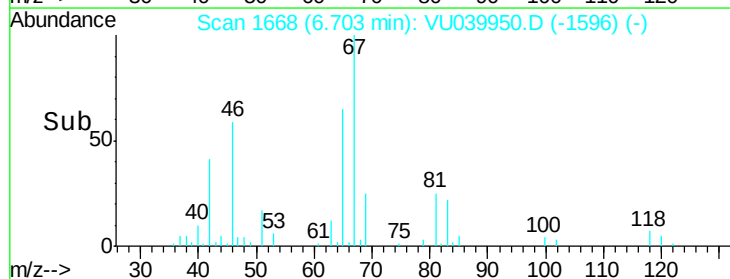
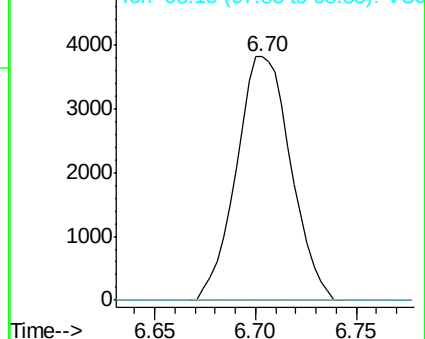
98 0.0 39.4 59.0#

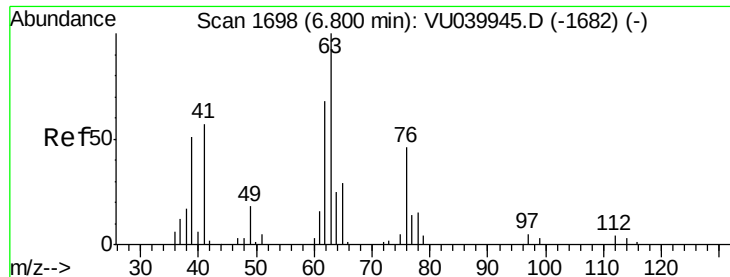


Abundance Ion 83.15 (82.85 to 83.85): VU039950.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU039950.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU039950.D (-1596) (-)

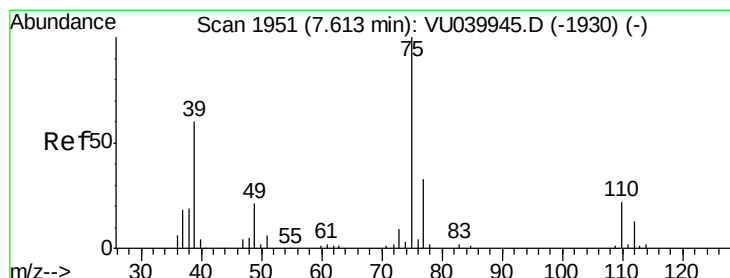
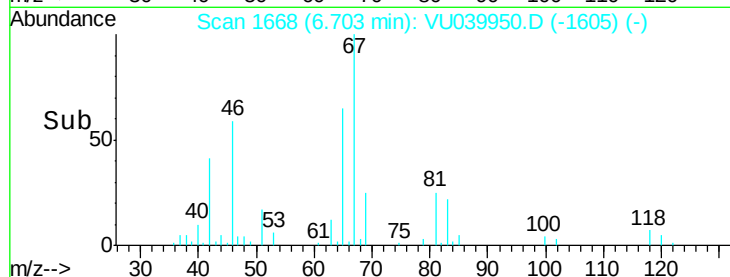
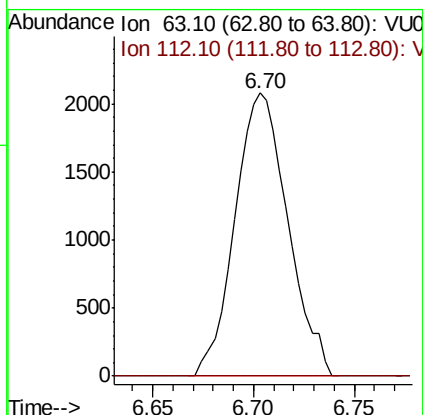
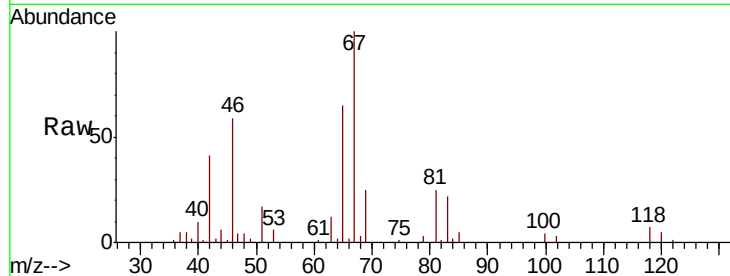




#37  
 1,2-Dichloropropane  
 Concen: 0.612 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU039950.D  
 Acq: 24 Aug 2020 16:35

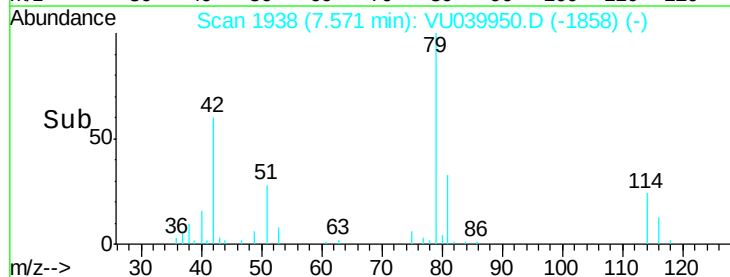
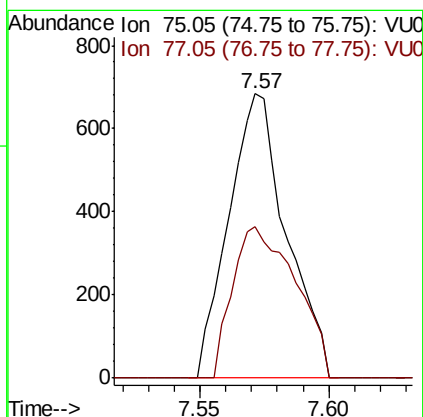
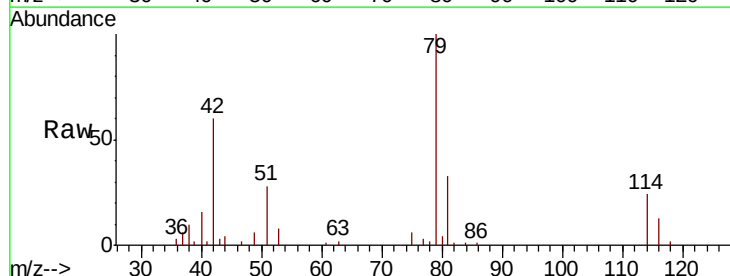
Instrument :  
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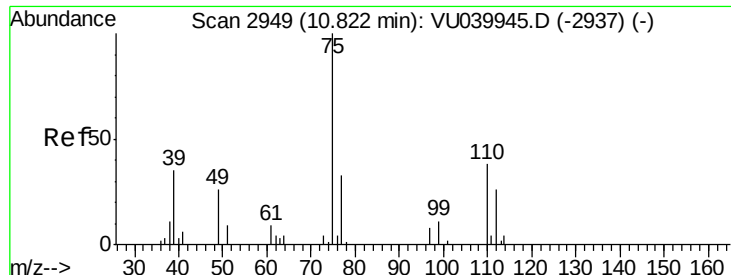
Tot Ion: 63 Resp: 3815  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.1 6.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.122 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU039950.D  
 Acq: 24 Aug 2020 16:35

Tgt Ion: 75 Resp: 1062  
 Ion Ratio Lower Upper  
 75 100  
 77 53.0 22.6 42.0#





#59

1,2,3-Trichloropropane

Concen: 0.996 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039950.D

Acq: 24 Aug 2020 16:35

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 4448

Ion Ratio Lower Upper

75 100

77 38.3 27.4 41.2

