

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\  
 Data File : VU039528.D  
 Acq On : 16 Jul 2020 16:51  
 Operator : SY/MD  
 Sample : L3292-09 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 17 01:11:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 17 01:06:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 94578    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 90459    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 41271    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 19384    | 3.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 70.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 23523    | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 33059    | 3.07     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.40% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 106363   | 42.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.82% |
| 24) Chloroform-d               | 5.09   | 84    | 49321    | 4.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32872    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 32) Benzene-d6                 | 5.75   | 84    | 96771    | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 33565    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.80% |
| 41) Toluene-d8                 | 7.91   | 98    | 84690    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12714    | 3.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.20% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 74258    | 37.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 74.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 30168    | 3.98     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 79.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 34284    | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.00% |

## Target Compounds

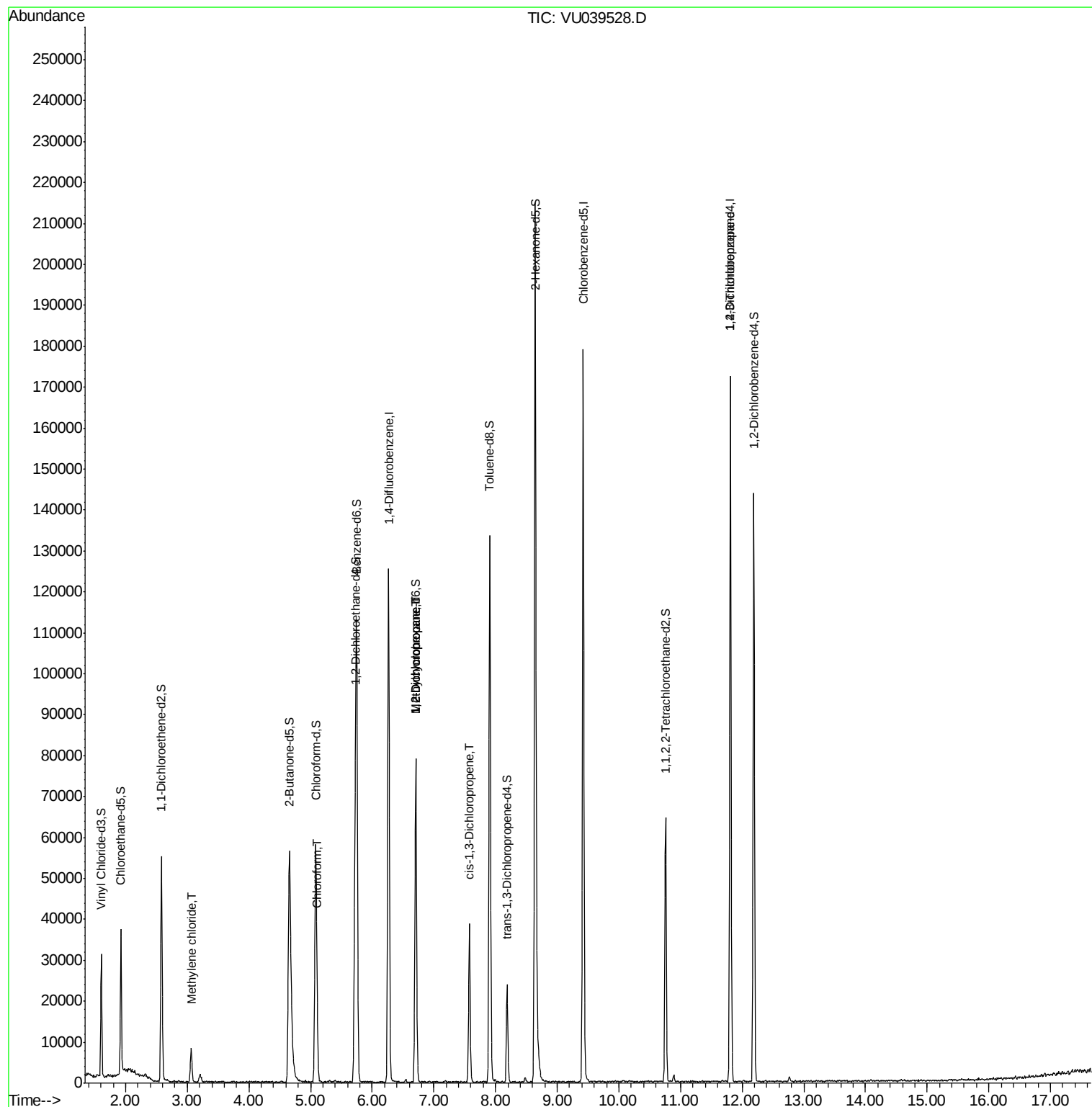
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 16) Methylene chloride      | 3.06  | 84 | 3202 | 0.453 ug/L   | 97     |
| 25) Chloroform              | 5.11  | 83 | 4044 | 0.329 ug/L   | 88     |
| 35) Methylcyclohexane       | 6.70  | 83 | 7414 | 0.662 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.71  | 63 | 4211 | 0.571 ug/L # | 91     |
| 39) cis-1,3-Dichloropropene | 7.58  | 75 | 1220 | 0.109 ug/L   | 83     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 6698 | 1.233 ug/L   | 96     |

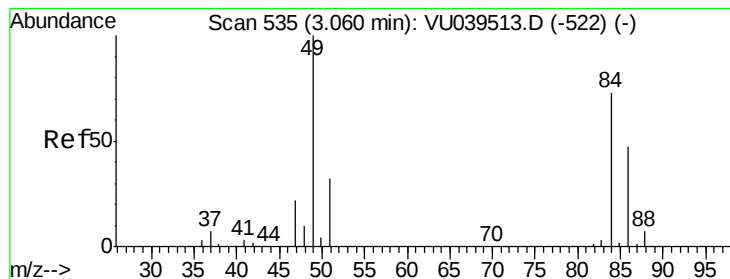
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jul 17 01:11:12 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 17 01:06:47 2020  
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 0.453 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039528.D

Acq: 16 Jul 2020 16:51

Instrument :

MSVOA\_U

ClientSampleId :

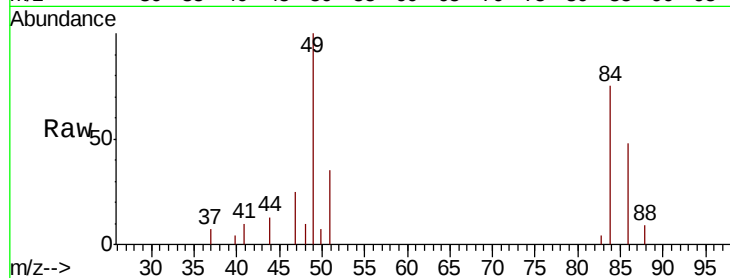
Tot Ion: 84 Resp: 3202

Ion Ratio Lower Upper

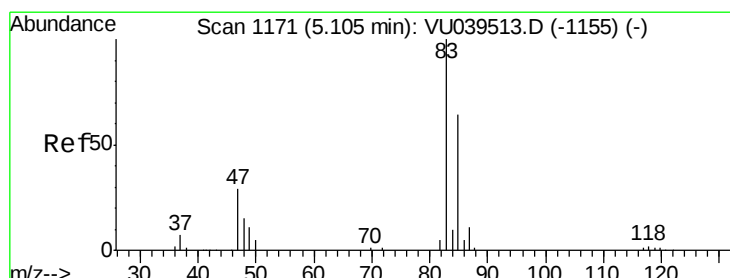
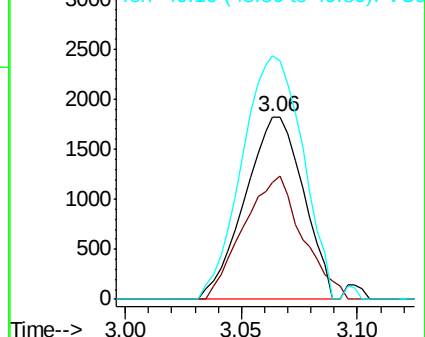
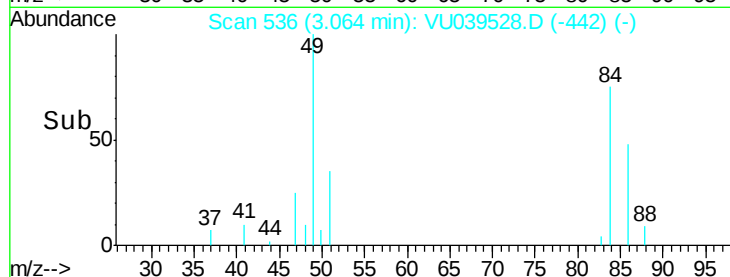
84 100

86 64.1 43.5 80.9

49 133.4 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU039528.D (-442) (-)



#25

Chloroform

Concen: 0.329 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039528.D

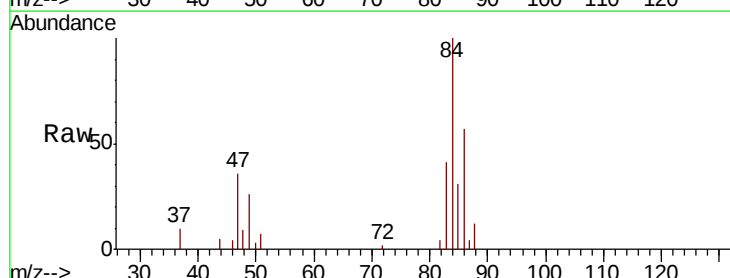
Acq: 16 Jul 2020 16:51

Tgt Ion: 83 Resp: 4044

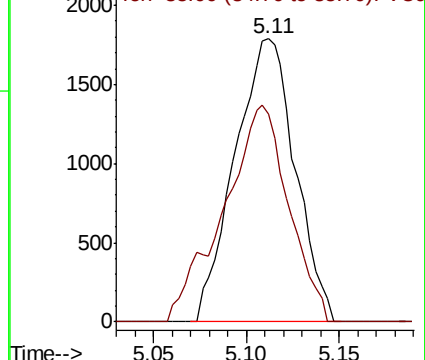
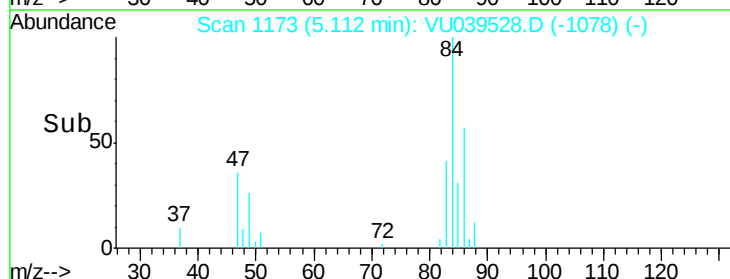
Ion Ratio Lower Upper

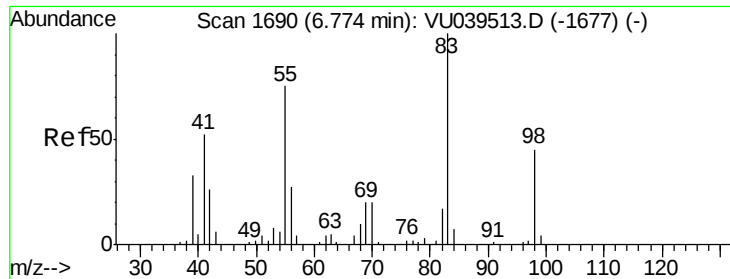
83 100

85 73.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039528.D (-1078) (-)

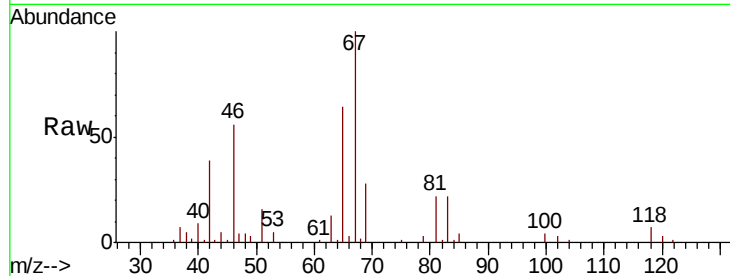




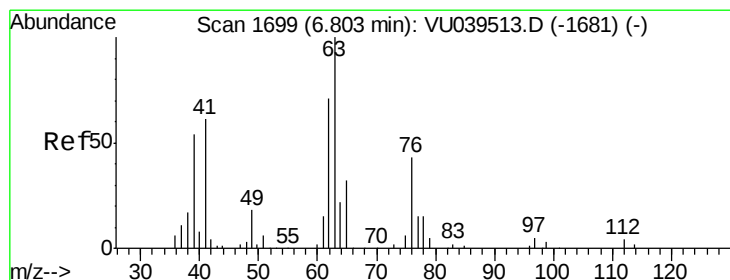
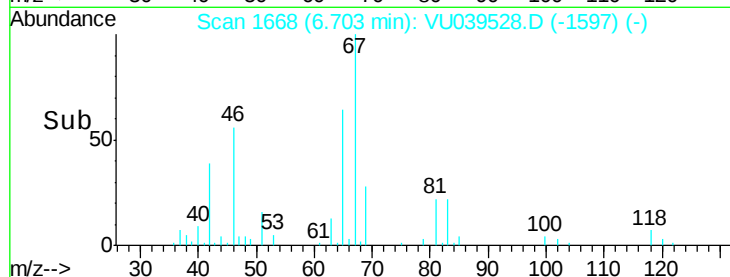
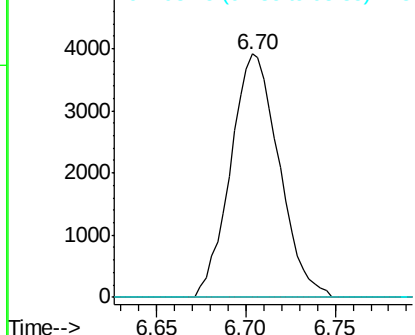
#35  
Methvlcvclohexane  
Concen: 0.662 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039528.D  
Acq: 16 Jul 2020 16:51

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 7414  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.1 93.1#  
98 0.3 35.9 53.9#

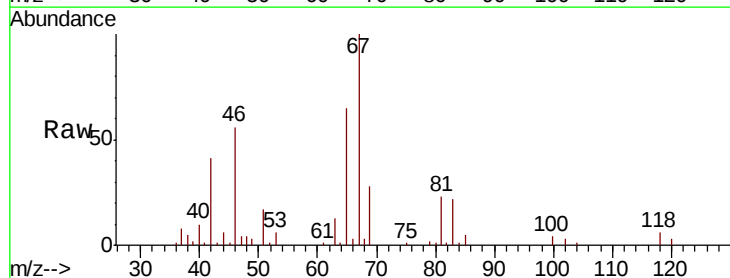


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

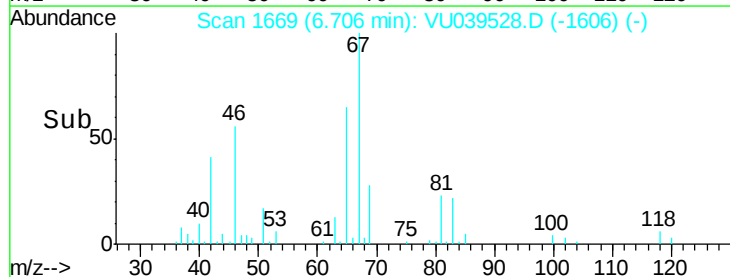
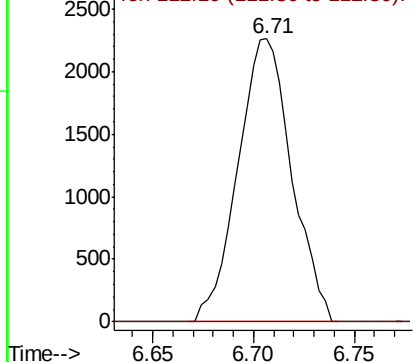


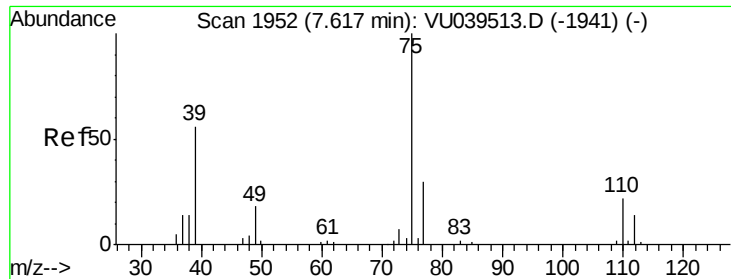
#37  
1,2-Dichloropropane  
Concen: 0.571 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.10 min  
Lab File: VU039528.D  
Acq: 16 Jul 2020 16:51

Tgt Ion: 63 Resp: 4211  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.5 3.7#



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

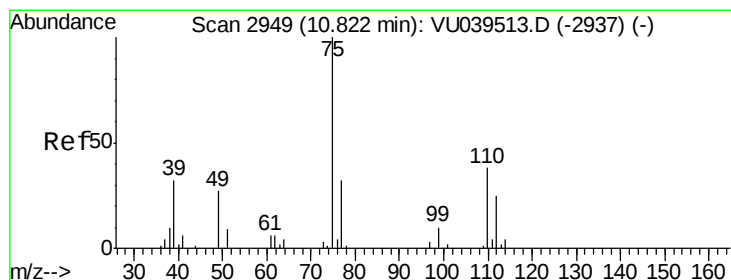
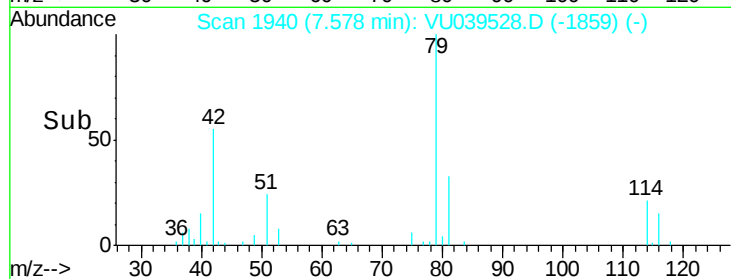
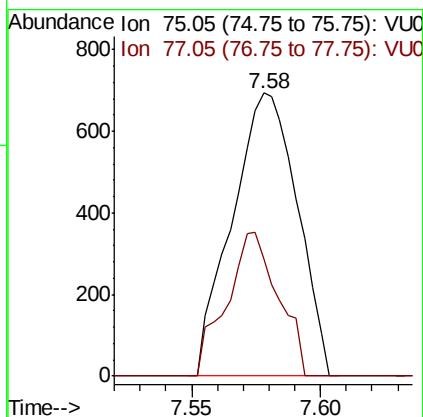
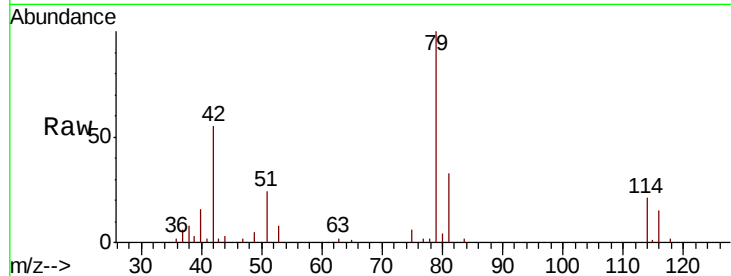




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.109 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU039528.D  
 Acq: 16 Jul 2020 16:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 75 Resp: 1220  
 Ion Ratio Lower Upper  
 75 100  
 77 41.1 22.3 41.3



#59  
 1,2,3-Trichloropropane  
 Concen: 1.233 ug/L  
 RT: 11.81 min Scan# 3255  
 Delta R.T. 0.98 min  
 Lab File: VU039528.D  
 Acq: 16 Jul 2020 16:51

Tgt Ion: 75 Resp: 6698  
 Ion Ratio Lower Upper  
 75 100  
 77 36.0 26.8 40.2

