

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\  
 Data File : VU039767.D  
 Acq On : 06 Aug 2020 19:26  
 Operator : SY/MD  
 Sample : L3578-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 07 04:31:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 07 04:28:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 79340    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 74130    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 34494    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 21588    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.80% |
| 7) Chloroethane-d5             | 1.92   | 69    | 21492    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 31416    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 92751    | 49.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.44%  |
| 24) Chloroform-d               | 5.08   | 84    | 50243    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 29701    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 32) Benzene-d6                 | 5.75   | 84    | 89855    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 31721    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 69817    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 10830    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 64154    | 51.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.38% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 27363    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 29877    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

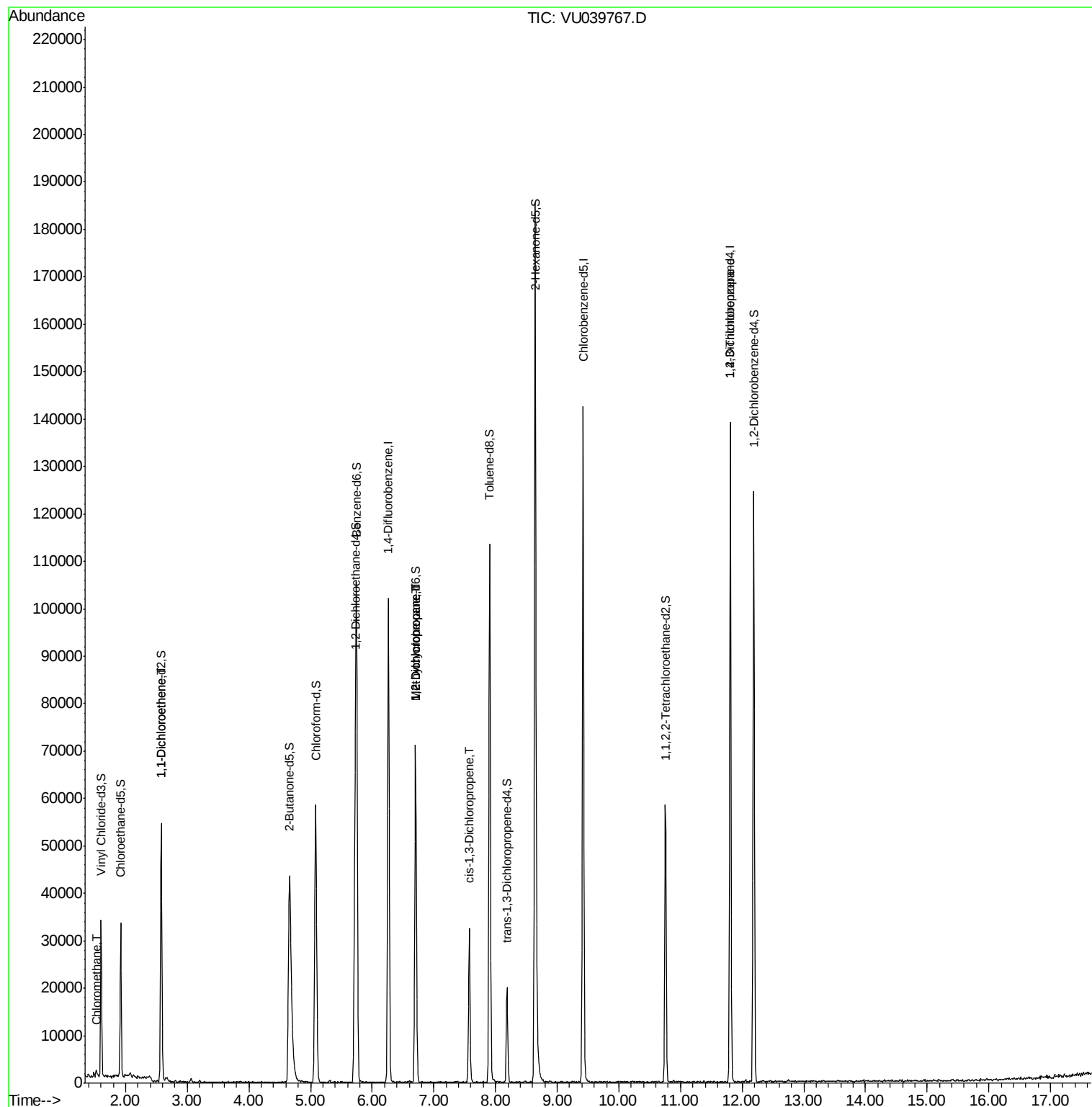
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 3) Chloromethane            | 1.53  | 50 | 954  | 0.142 ug/L   | 91     |
| 12) 1,1-Dichloroethene      | 2.58  | 96 | 353  | 0.075 ug/L # | 1      |
| 35) Methylcyclohexane       | 6.70  | 83 | 7168 | 0.856 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.70  | 63 | 3746 | 0.698 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 898  | 0.123 ug/L # | 76     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 4874 | 1.260 ug/L   | 91     |

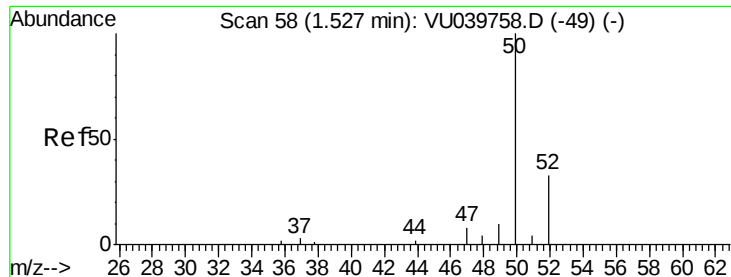
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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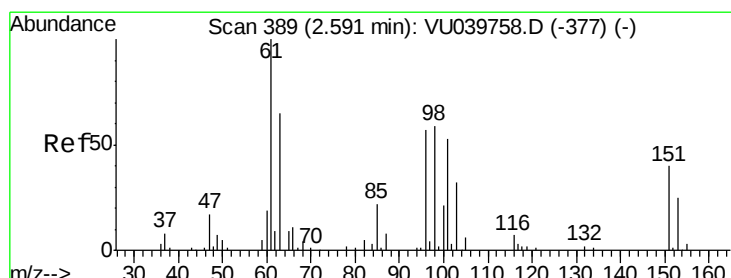
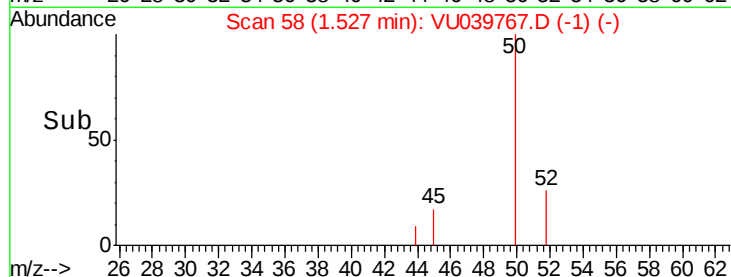
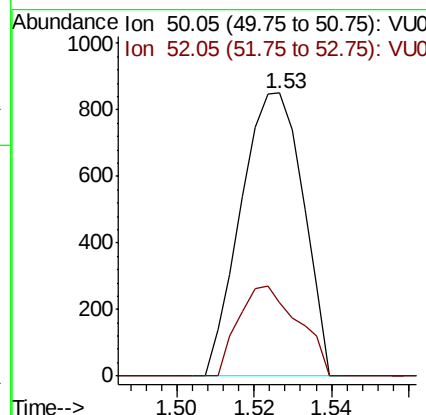
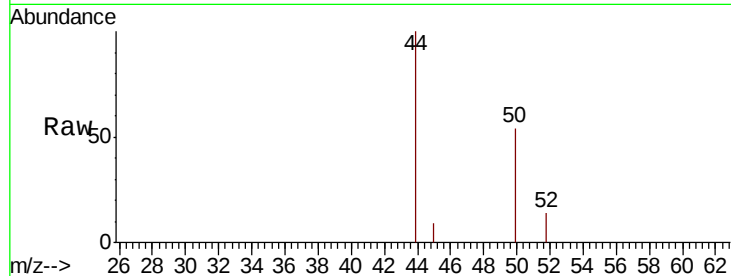




#3  
Chloromethane  
Concen: 0.142 ug/L  
RT: 1.53 min Scan# 58  
Delta R.T. 0.00 min  
Lab File: VU039767.D  
Acq: 06 Aug 2020 19:26

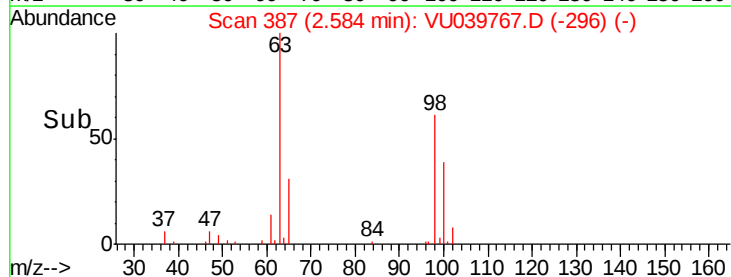
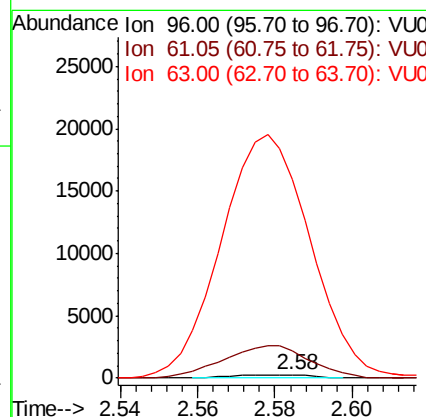
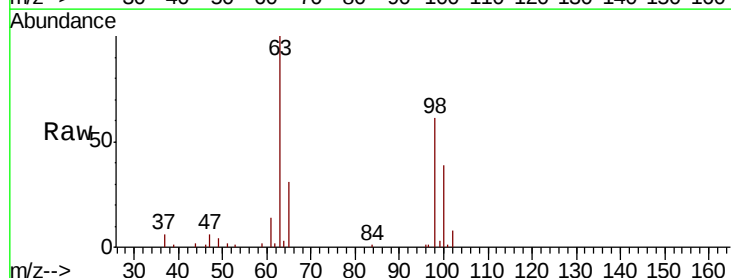
Instrument :  
MSVOA\_U  
ClientSampleId :

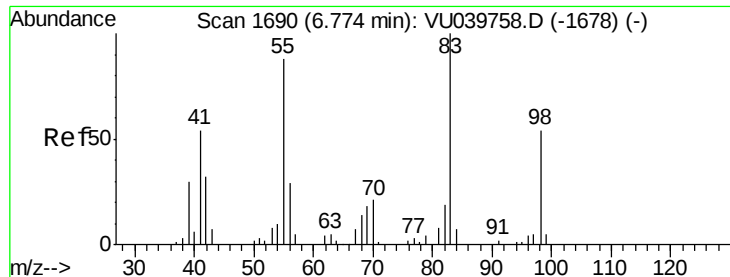
Tot Ion: 50 Resp: 954  
Ion Ratio Lower Upper  
50 100  
52 25.9 21.6 40.0



#12  
1,1-Dichloroethene  
Concen: 0.075 ug/L  
RT: 2.58 min Scan# 387  
Delta R.T. -0.01 min  
Lab File: VU039767.D  
Acq: 06 Aug 2020 19:26

Tgt Ion: 96 Resp: 353  
Ion Ratio Lower Upper  
96 100  
61 784.6 121.7 225.9#  
63 5585.3 82.1 152.5#

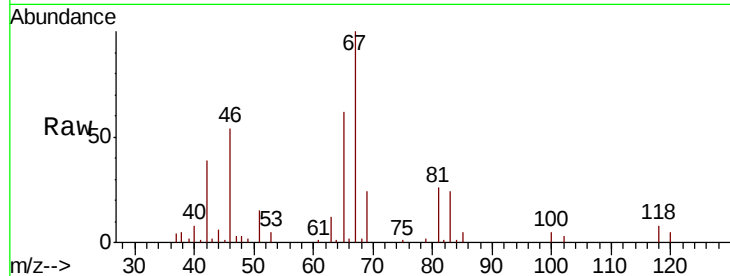




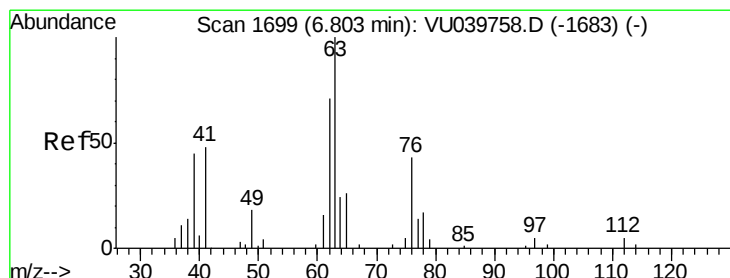
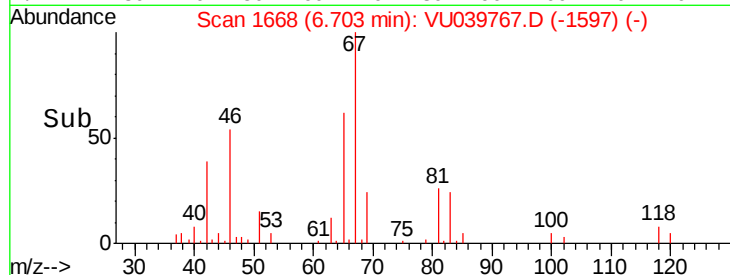
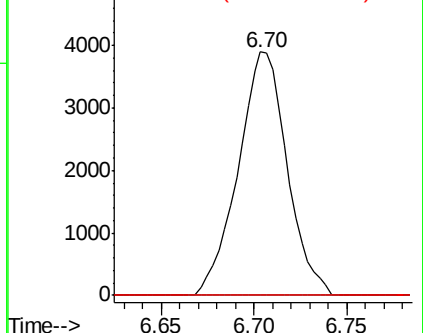
#35  
Methvlcvclohexane  
Concen: 0.856 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039767.D  
Acq: 06 Aug 2020 19:26

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 7168  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.4 89.0#  
98 0.0 39.0 58.4#

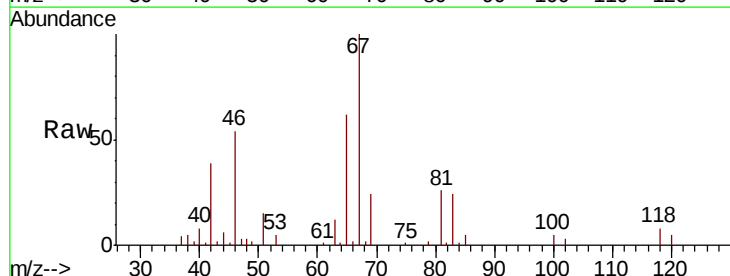


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

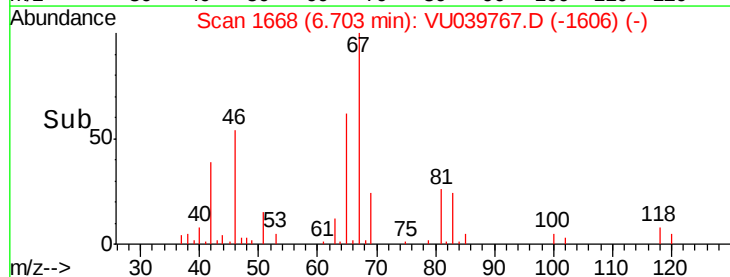
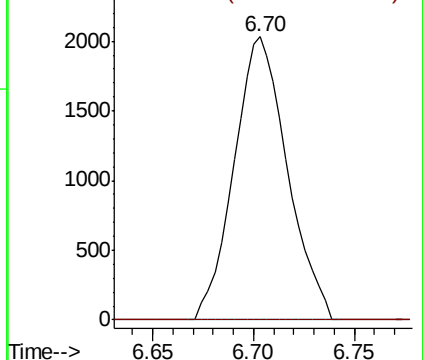


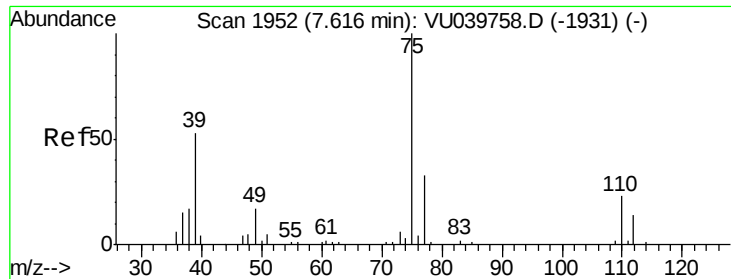
#37  
1,2-Dichloropropane  
Concen: 0.698 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU039767.D  
Acq: 06 Aug 2020 19:26

Tgt Ion: 63 Resp: 3746  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#



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

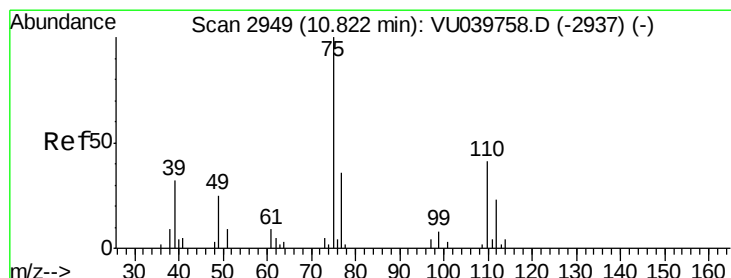
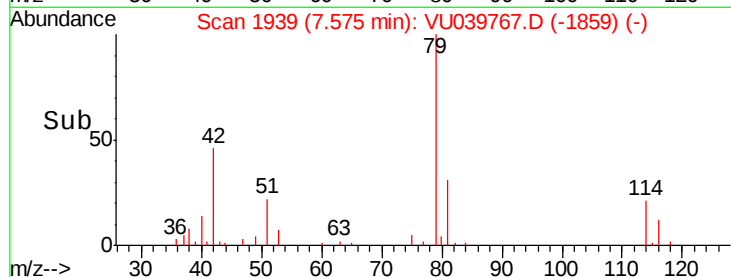
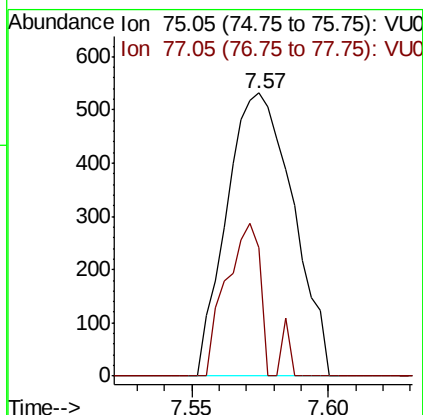
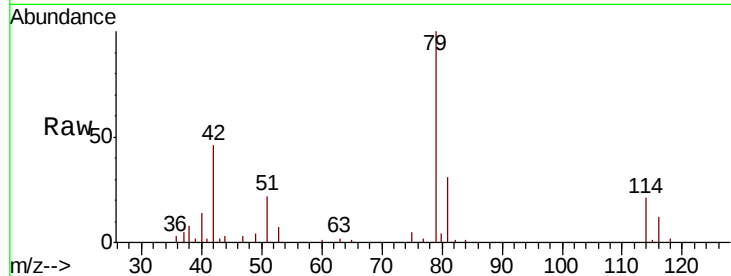




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.123 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU039767.D  
 Acq: 06 Aug 2020 19:26

Instrument :  
 MSVOA\_U  
 ClientSampled :

Tot Ion: 75 Resp: 898  
 Ion Ratio Lower Upper  
 75 100  
 77 45.5 22.4 41.6#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.260 ug/L  
 RT: 11.81 min Scan# 3256  
 Delta R.T. 0.99 min  
 Lab File: VU039767.D  
 Acq: 06 Aug 2020 19:26

Tgt Ion: 75 Resp: 4874  
 Ion Ratio Lower Upper  
 75 100  
 77 35.8 24.6 37.0

