

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\  
 Data File : VU039520.D  
 Acq On : 16 Jul 2020 13:47  
 Operator : SY/MD  
 Sample : L3313-15  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 17 01:09:27 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  | 89664    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 85310    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 40458    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 20392    | 3.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.60% |
| 7) Chloroethane-d5             | 1.92   | 69    | 26418    | 4.97     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.40% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 34744    | 3.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00% |
| 20) 2-Butanone-d5              | 4.65   | 46    | 103033   | 43.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.66% |
| 24) Chloroform-d               | 5.09   | 84    | 50423    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32309    | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00% |
| 32) Benzene-d6                 | 5.75   | 84    | 96052    | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 33777    | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.60% |
| 41) Toluene-d8                 | 7.91   | 98    | 82993    | 4.66     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12076    | 3.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.80% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 72732    | 38.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 29259    | 4.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 81.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 34243    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.80% |

## Target Compounds

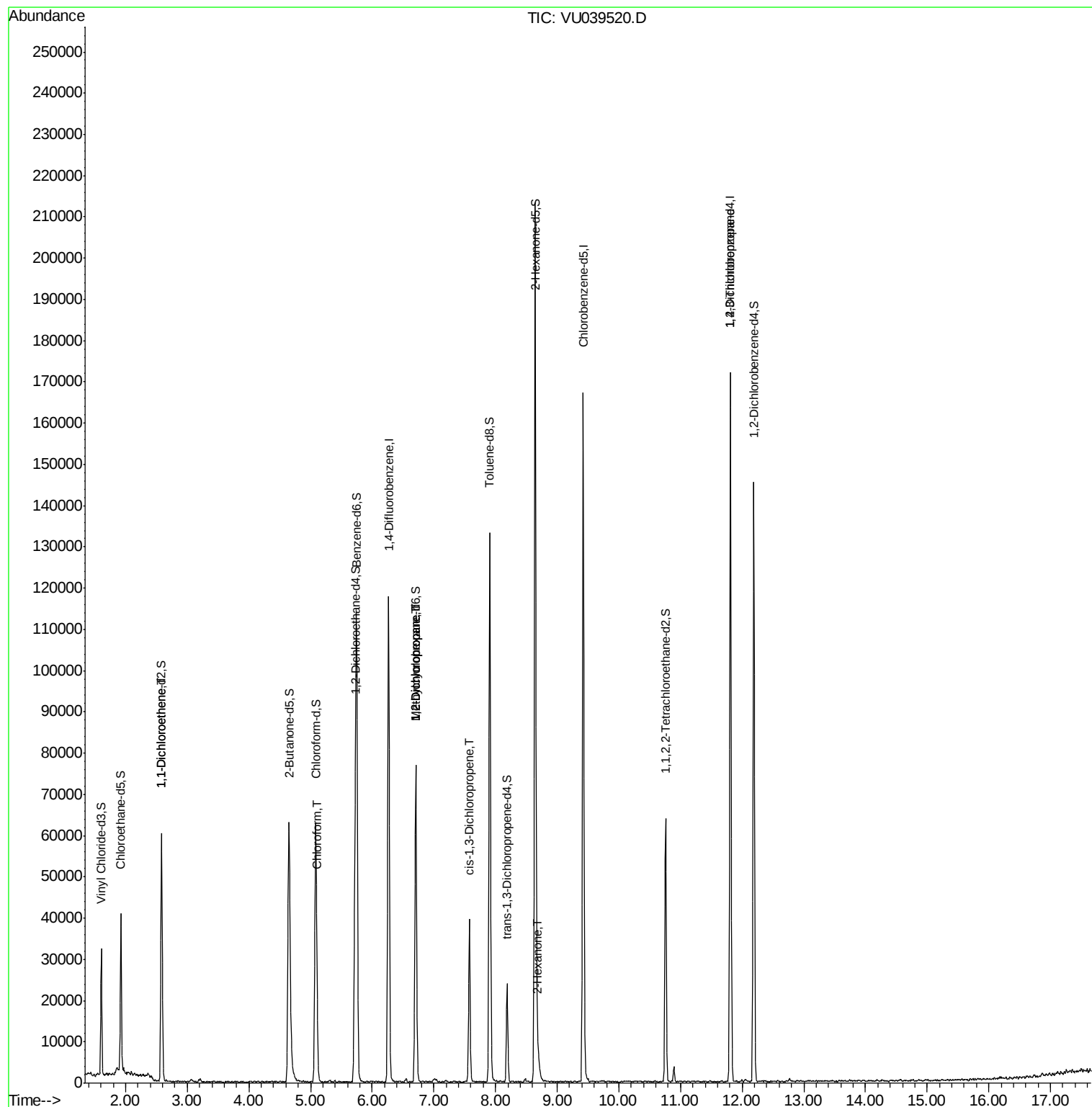
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 1673 | 0.314 ug/L # | 1      |
| 25) Chloroform              | 5.11  | 83 | 2884 | 0.247 ug/L   | 90     |
| 35) Methylcyclohexane       | 6.71  | 83 | 7218 | 0.683 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.71  | 63 | 4080 | 0.587 ug/L # | 91     |
| 39) cis-1,3-Dichloropropene | 7.58  | 75 | 1048 | 0.100 ug/L # | 49     |
| 48) 2-Hexanone              | 8.69  | 43 | 4080 | 0.954 ug/L # | 83     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 6473 | 1.263 ug/L # | 85     |

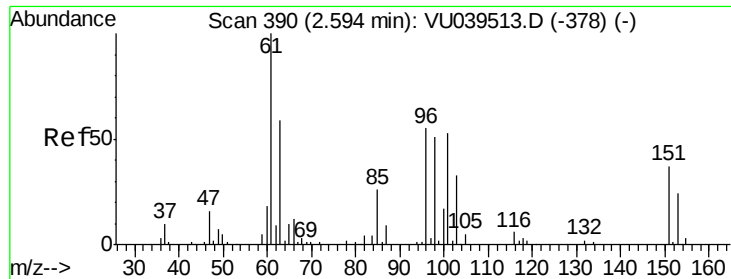
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 17 01:06:47 2020  
Response via : Initial Calibration

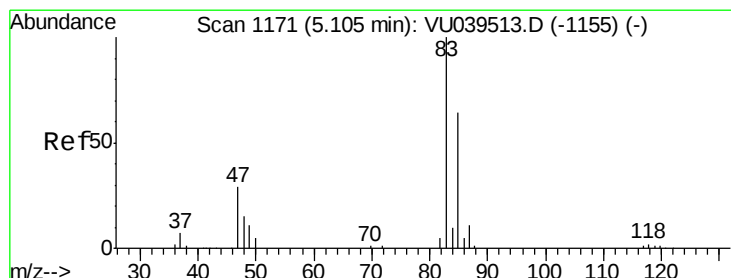
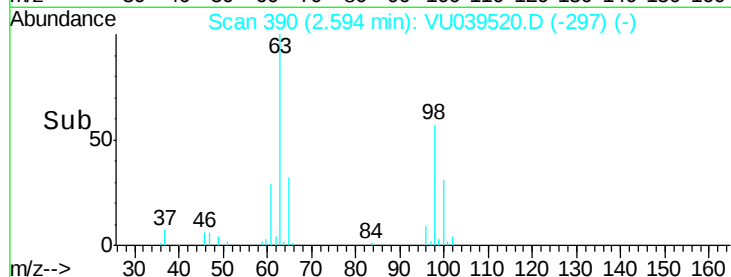
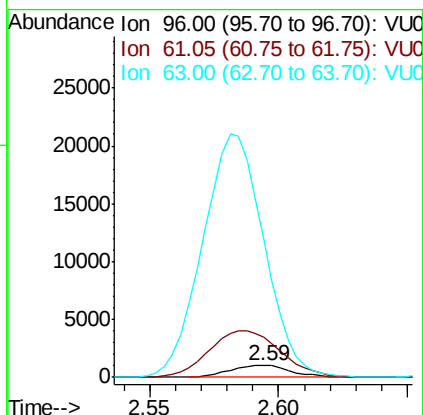
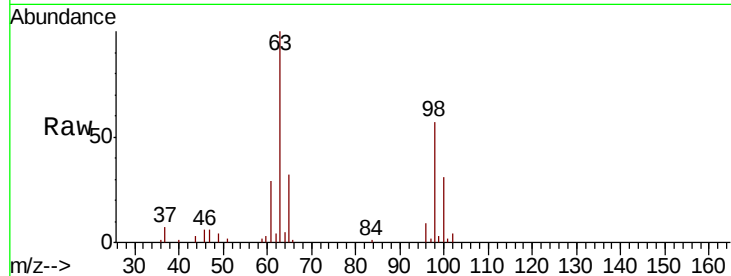




#12  
 1,1-Dichloroethene  
 Concen: 0.314 ug/L  
 RT: 2.59 min Scan# 390  
 Delta R.T. -0.00 min  
 Lab File: VU039520.D  
 Acq: 16 Jul 2020 13:47

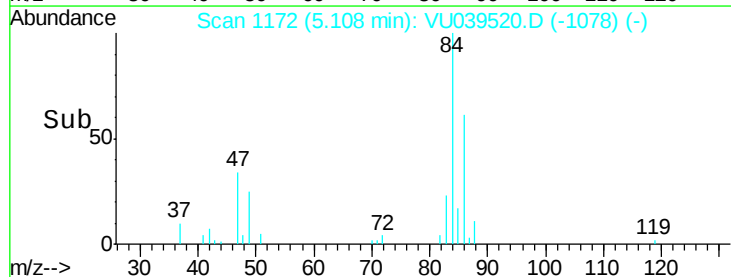
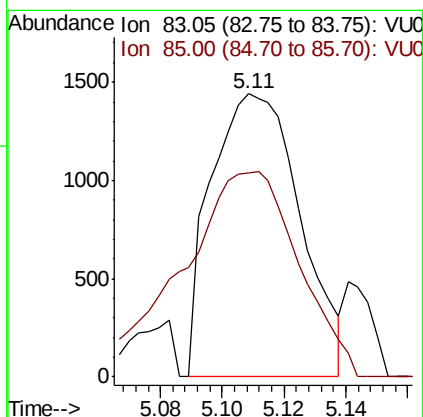
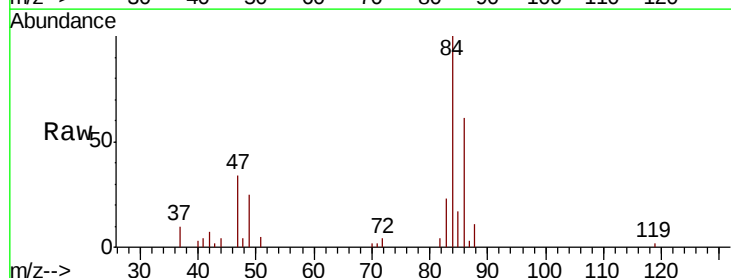
Instrument :  
 MSVOA\_U  
 ClientSampleId :

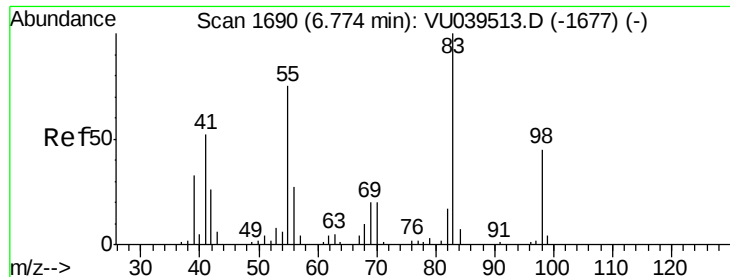
Tot Ion: 96 Resp: 1673  
 Ion Ratio Lower Upper  
 96 100  
 61 335.0 125.4 232.8#  
 63 1159.8 92.7 172.3#



#25  
 Chloroform  
 Concen: 0.247 ug/L  
 RT: 5.11 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: VU039520.D  
 Acq: 16 Jul 2020 13:47

Tgt Ion: 83 Resp: 2884  
 Ion Ratio Lower Upper  
 83 100  
 85 72.2 44.9 83.5

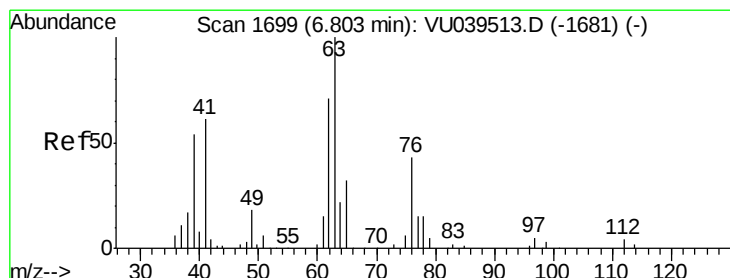
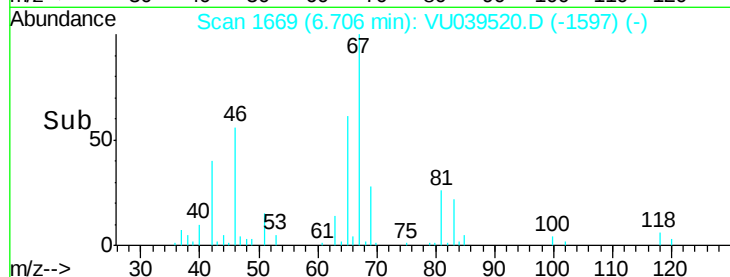
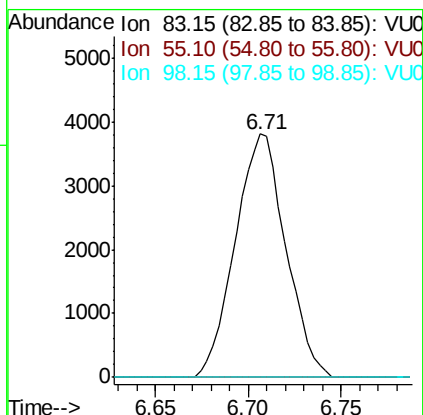
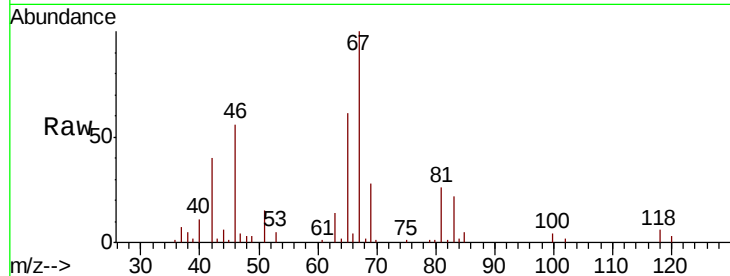




#35  
Methvlcvclohexane  
Concen: 0.683 ug/L  
RT: 6.71 min Scan# 1669  
Delta R.T. -0.07 min  
Lab File: VU039520.D  
Acq: 16 Jul 2020 13:47

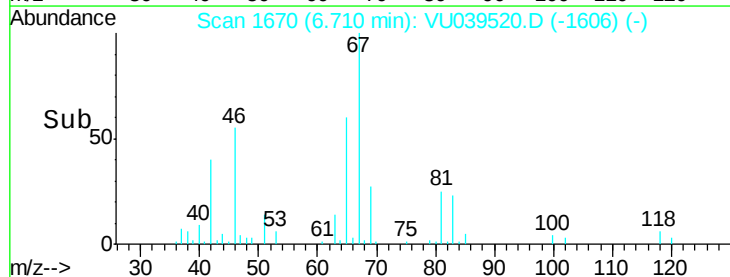
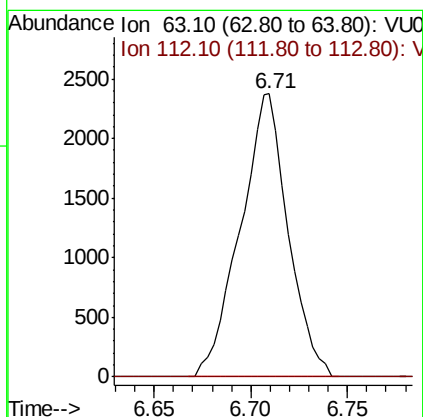
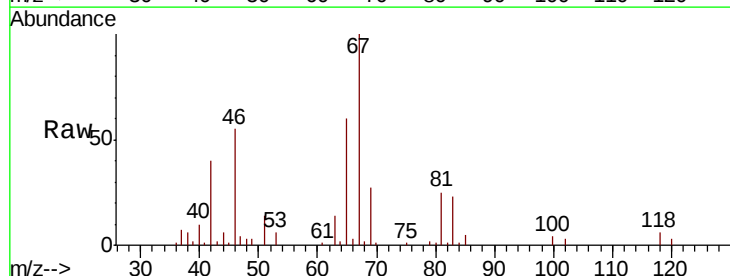
Instrument :  
MSVOA\_U  
ClientSampleId :

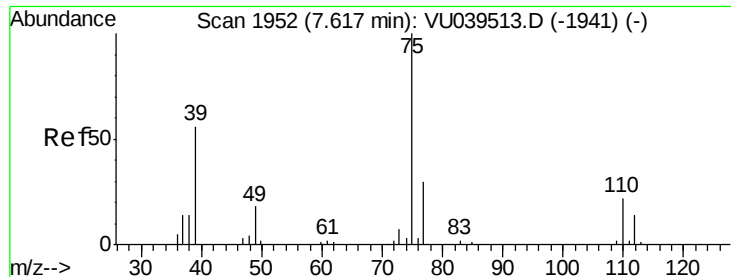
Tot Ion: 83 Resp: 7218  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.1 93.1#  
98 0.0 35.9 53.9#



#37  
1,2-Dichloropropane  
Concen: 0.587 ug/L  
RT: 6.71 min Scan# 1670  
Delta R.T. -0.09 min  
Lab File: VU039520.D  
Acq: 16 Jul 2020 13:47

Tgt Ion: 63 Resp: 4080  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.5 3.7#

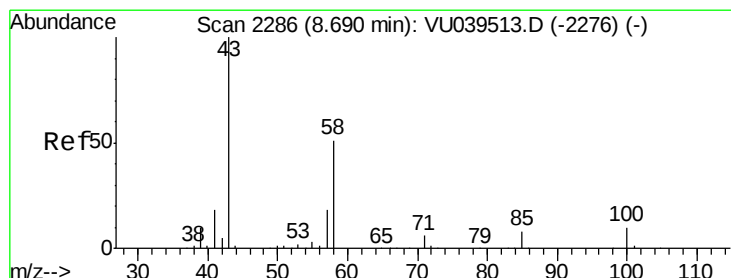
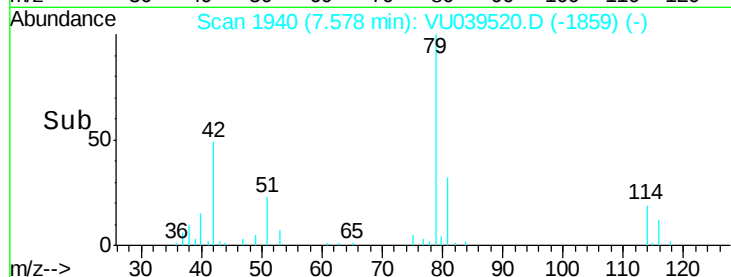
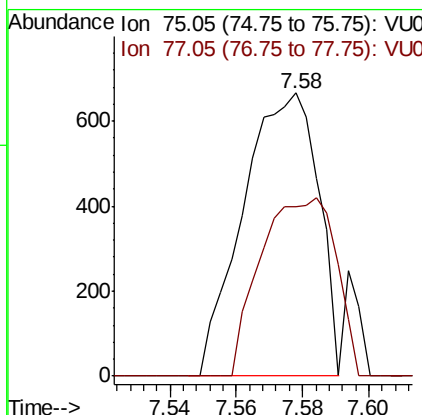
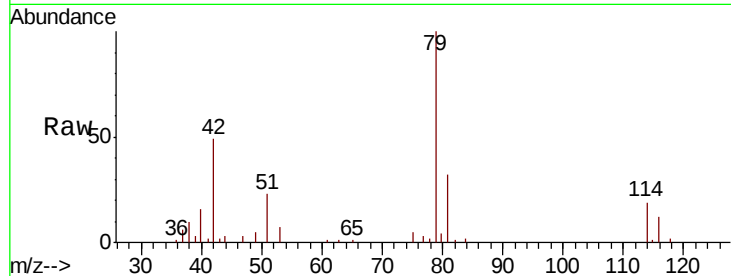




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.100 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU039520.D  
 Acq: 16 Jul 2020 13:47

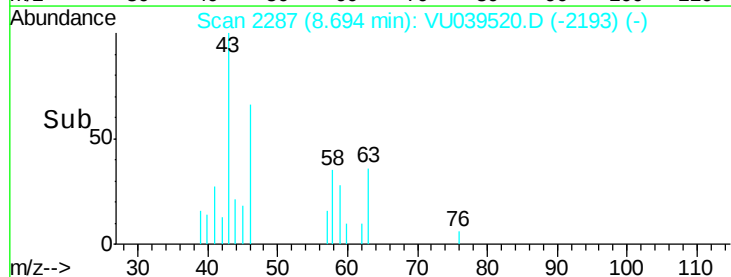
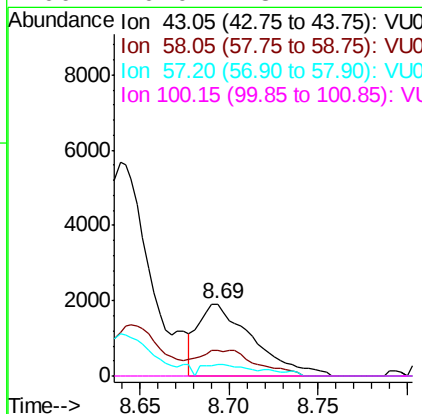
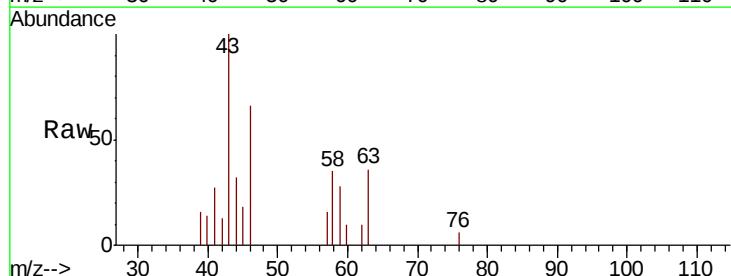
Instrument :  
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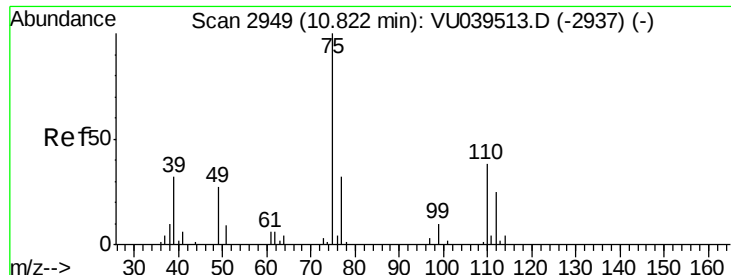
Tot Ion: 75 Resp: 1048  
 Ion Ratio Lower Upper  
 75 100  
 77 60.1 22.3 41.3#



#48  
 2-Hexanone  
 Concen: 0.954 ug/L  
 RT: 8.69 min Scan# 2287  
 Delta R.T. 0.00 min  
 Lab File: VU039520.D  
 Acq: 16 Jul 2020 13:47

Tgt Ion: 43 Resp: 4080  
 Ion Ratio Lower Upper  
 43 100  
 58 37.7 42.0 63.0#  
 57 17.0 14.0 21.0  
 100 0.0 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.263 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039520.D

Acq: 16 Jul 2020 13:47

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 6473

Ion Ratio Lower Upper

75 100

77 41.9 26.8 40.2#

