

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\  
 Data File : VU039255.D  
 Acq On : 01 Jul 2020 03:07  
 Operator : SY/MD  
 Sample : L3132-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 01 06:29:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR063020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 01 06:27:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 214594   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.43  | 117  | 214871   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 97235    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 62938    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 51845    | 3.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 101745   | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 180902   | 30.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 60.30%  |
| 24) Chloroform-d               | 5.10   | 84    | 121176   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 77097    | 3.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.00%  |
| 32) Benzene-d6                 | 5.76   | 84    | 230938   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 72456    | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.60%  |
| 41) Toluene-d8                 | 7.92   | 98    | 188913   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 30674    | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 121666   | 28.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 56.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 56375    | 3.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 62.40%# |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 72855    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 82.60%  |

## Target Compounds

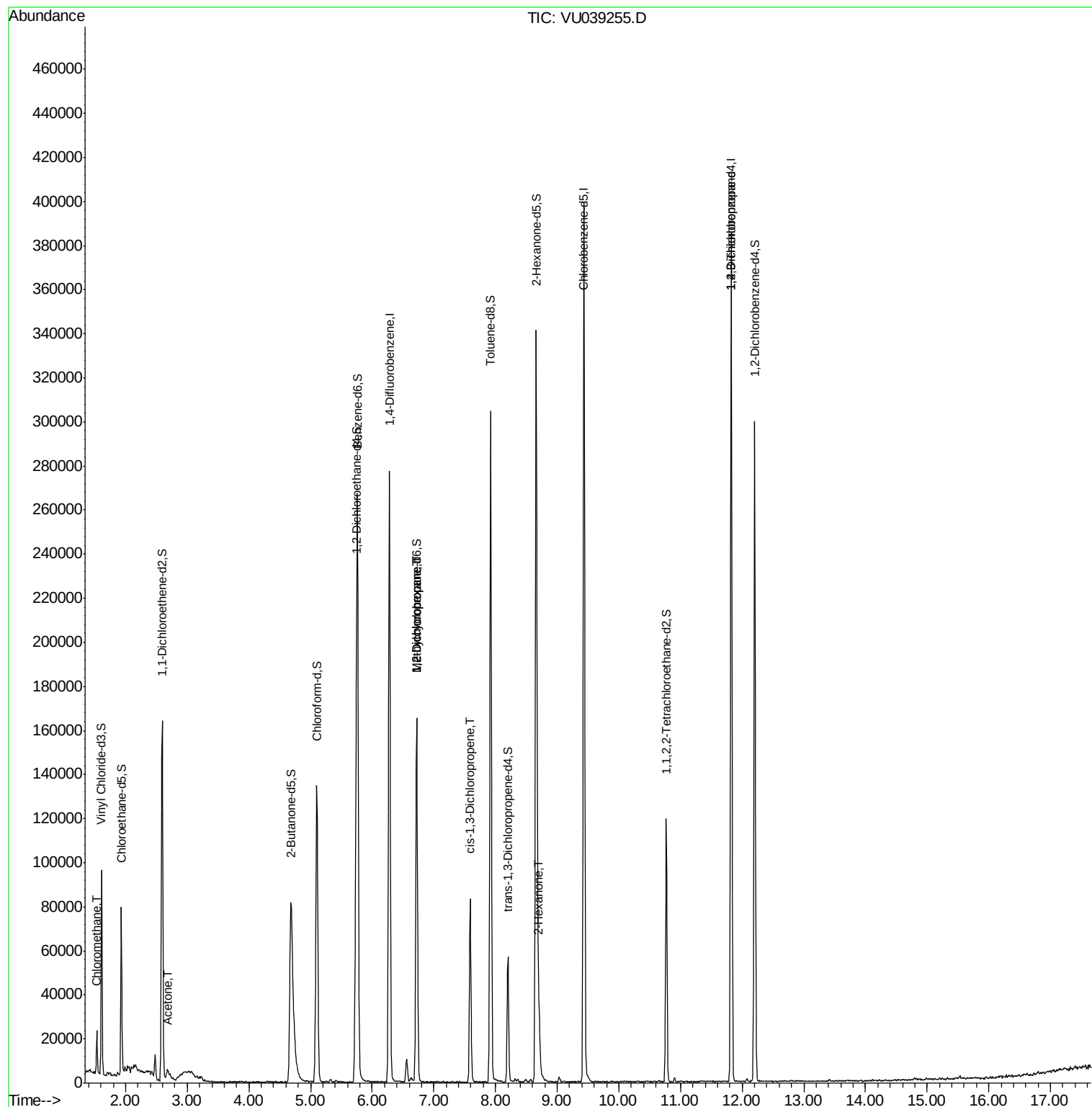
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.53  | 50 | 13625 | 0.666 ug/L   | 97     |
| 13) Acetone                 | 2.68  | 43 | 13248 | 3.622 ug/L   | 65     |
| 35) Methylcyclohexane       | 6.72  | 83 | 17286 | 0.698 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 8508  | 0.499 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2468  | 0.102 ug/L # | 40     |
| 48) 2-Hexanone              | 8.71  | 43 | 14982 | 1.520 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75 | 12113 | 0.919 ug/L # | 84     |

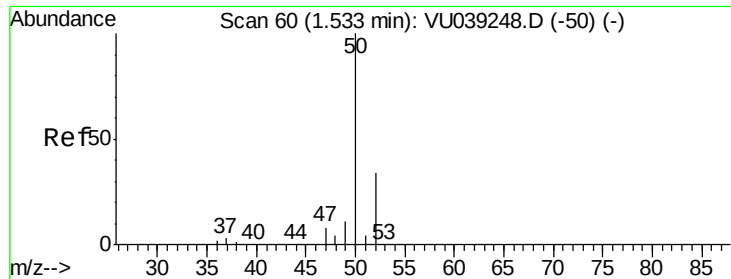
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L3132-04  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jul 01 06:29:07 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR063020WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 01 06:27:11 2020  
Response via : Initial Calibration

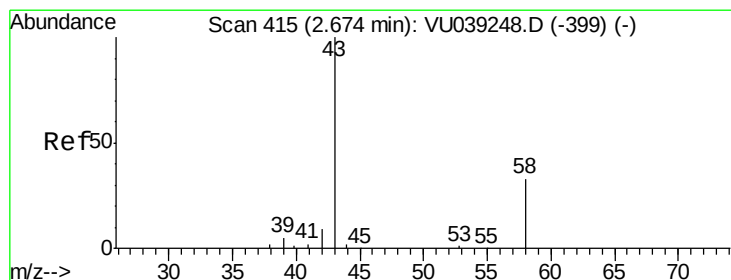
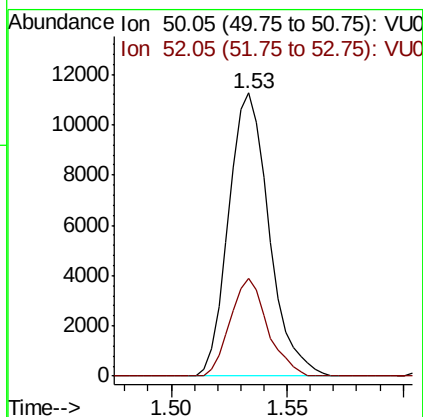
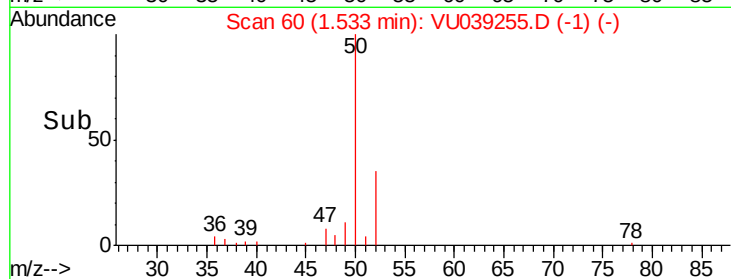
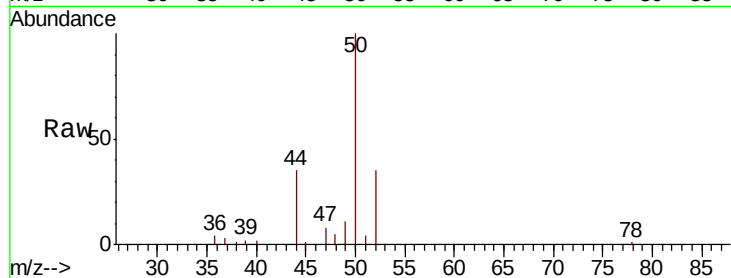




#3  
Chloromethane  
Concen: 0.666 ug/L  
RT: 1.53 min Scan# 60  
Delta R.T. 0.00 min  
Lab File: VU039255.D  
Acq: 01 Jul 2020 03:07

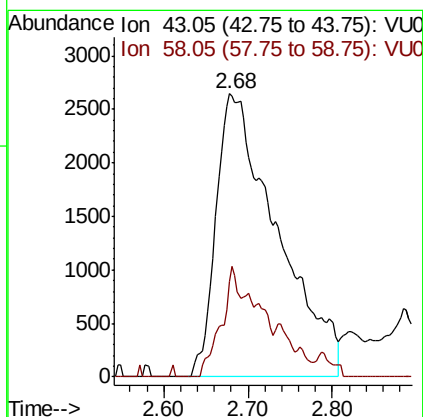
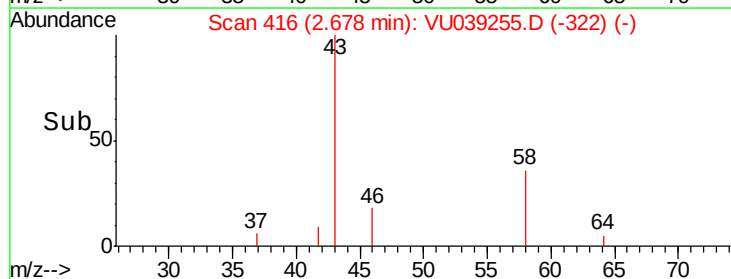
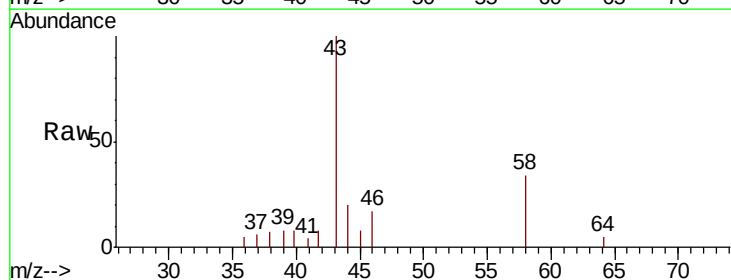
Instrument :  
MSVOA\_U  
ClientSampleId :

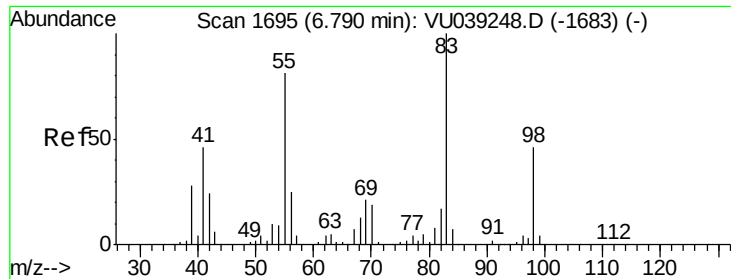
Tot Ion: 50 Resp: 13625  
Ion Ratio Lower Upper  
50 100  
52 34.7 23.1 42.9



#13  
Acetone  
Concen: 3.622 ug/L  
RT: 2.68 min Scan# 416  
Delta R.T. 0.00 min  
Lab File: VU039255.D  
Acq: 01 Jul 2020 03:07

Tgt Ion: 43 Resp: 13248  
Ion Ratio Lower Upper  
43 100  
58 11.4 0.0 61.0

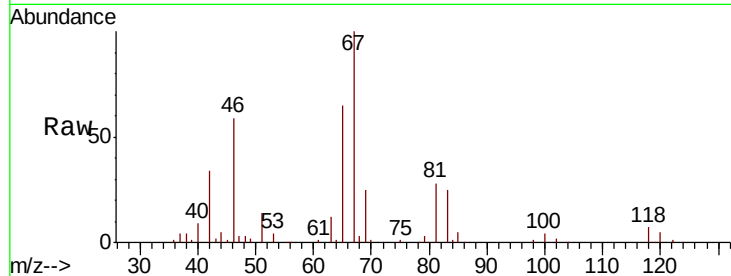




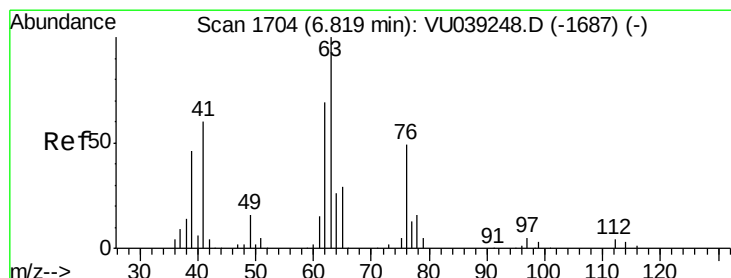
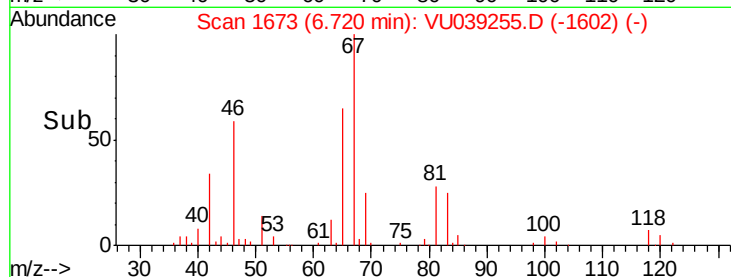
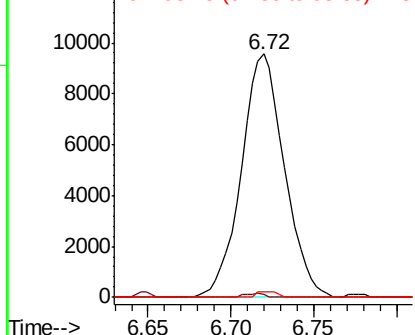
#35  
Methylvlcyclohexane  
Concen: 0.698 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU039255.D  
Acq: 01 Jul 2020 03:07

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 17286  
Ion Ratio Lower Upper  
83 100  
55 0.7 64.4 96.6#  
98 1.1 37.9 56.9#

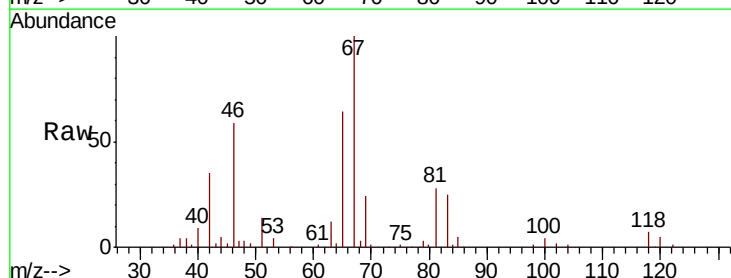


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

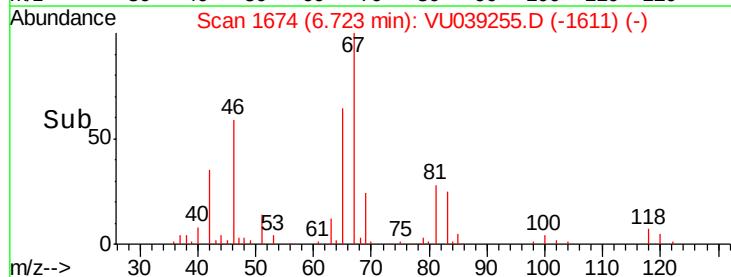
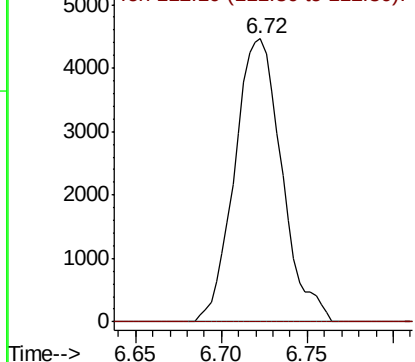


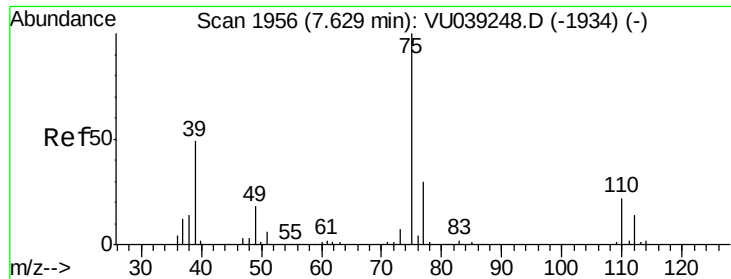
#37  
1,2-Dichloropropane  
Concen: 0.499 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU039255.D  
Acq: 01 Jul 2020 03:07

Tgt Ion: 63 Resp: 8508  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#



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

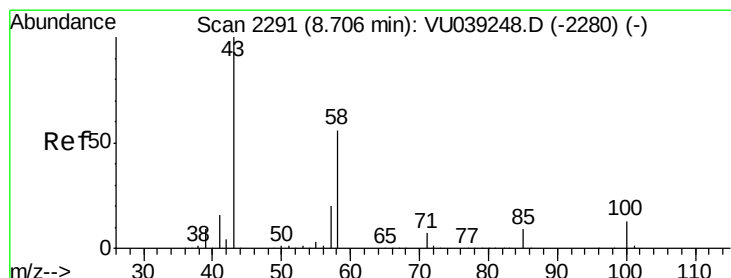
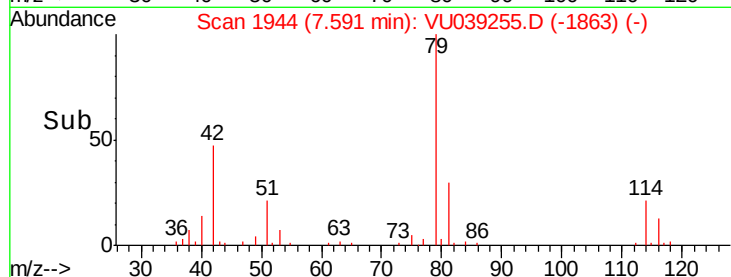
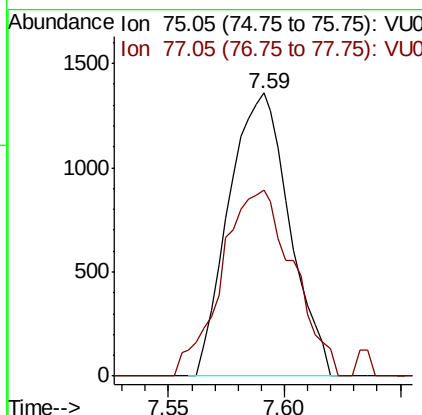
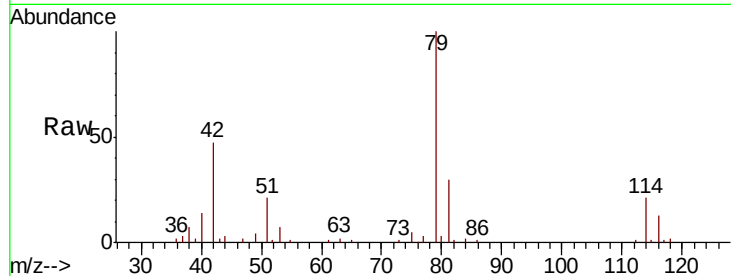




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.102 ug/L  
 RT: 7.59 min Scan# 1944  
 Delta R.T. -0.04 min  
 Lab File: VU039255.D  
 Acq: 01 Jul 2020 03:07

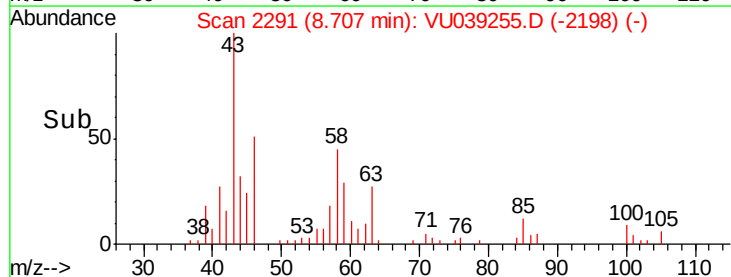
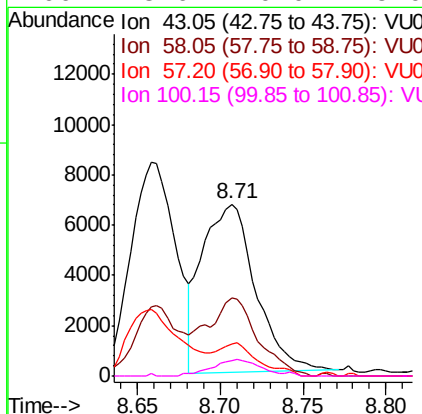
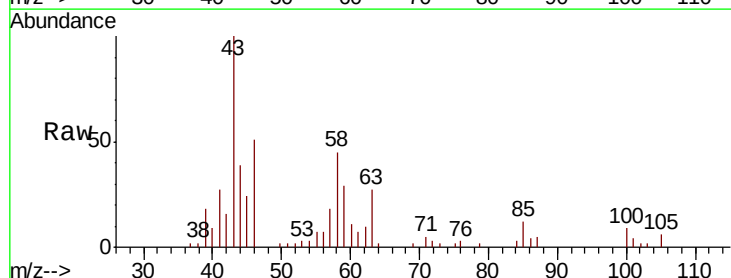
Instrument :  
 MSVOA\_U  
 ClientSampled :

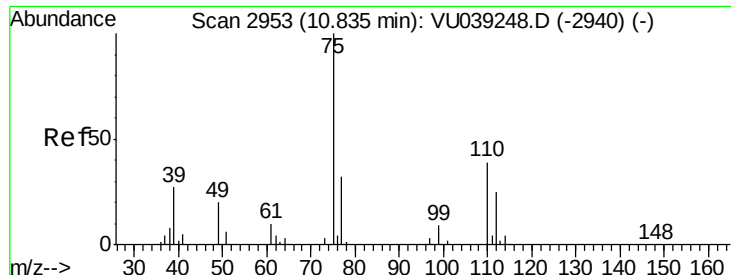
Tot Ion: 75 Resp: 2468  
 Ion Ratio Lower Upper  
 75 100  
 77 65.6 22.5 41.7#



#48  
 2-Hexanone  
 Concen: 1.520 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. 0.00 min  
 Lab File: VU039255.D  
 Acq: 01 Jul 2020 03:07

Tgt Ion: 43 Resp: 14982  
 Ion Ratio Lower Upper  
 43 100  
 58 44.8 43.6 65.4  
 57 14.7 15.5 23.3#  
 100 8.6 10.0 15.0#





#59

1,2,3-Trichloropropane

Concen: 0.919 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU039255.D

Acq: 01 Jul 2020 03:07

Instrument :

MSVOA\_U

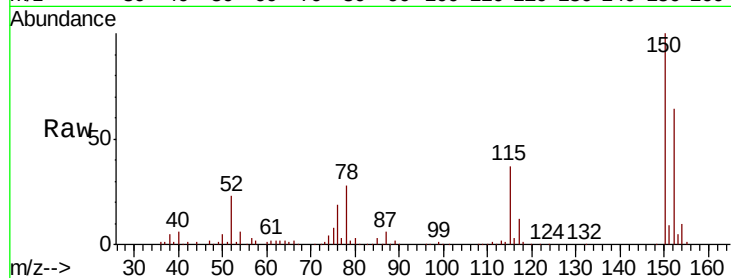
ClientSampleId :

Tot Ion: 75 Resp: 12113

Ion Ratio Lower Upper

75 100

77 39.6 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

