

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091720\  
 Data File : VU040194.D  
 Acq On : 17 Sep 2020 20:16  
 Operator : SY/MD  
 Sample : L4063-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ0

Quant Time: Sep 18 04:04:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 18 04:01:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 97460    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 95634    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 42025    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 26257    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24662    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 111.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 44584    | 3.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 115408   | 54.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 108.44% |
| 24) Chloroform-d               | 5.08   | 84    | 58603    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 40432    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 116303   | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 38994    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 90918    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 15339    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 81019    | 50.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.18% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 35355    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 37243    | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.60% |

## Target Compounds

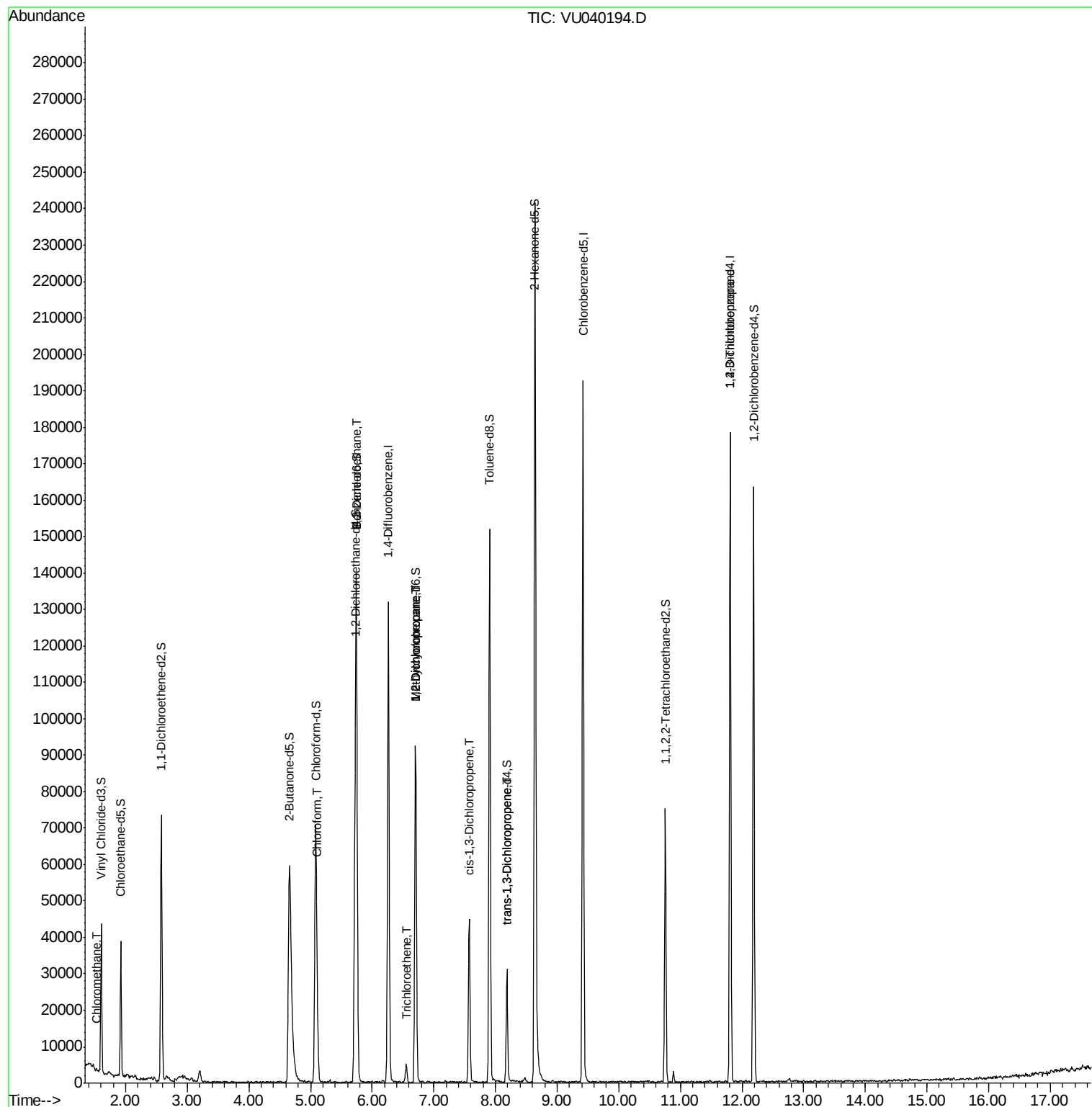
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane              | 1.53  | 50 | 454   | 0.049 ug/L # | 82     |
| 25) Chloroform                | 5.11  | 83 | 12614 | 0.738 ug/L   | 94     |
| 27) 1,2-Dichloroethane        | 5.73  | 62 | 703   | 0.056 ug/L # | 78     |
| 34) Trichloroethene           | 6.55  | 95 | 1611  | 0.176 ug/L   | 87     |
| 35) Methylcyclohexane         | 6.70  | 83 | 9407  | 0.669 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63 | 4515  | 0.487 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75 | 1338  | 0.098 ug/L # | 55     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75 | 907   | 0.072 ug/L   | 82     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 6259  | 0.912 ug/L # | 78     |

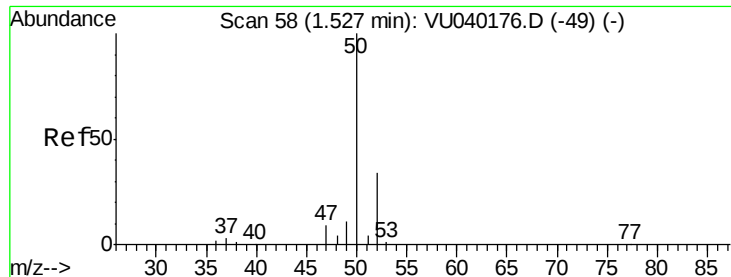
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 18 04:04:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 18 04:01:22 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.049 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040194.D

Acq: 17 Sep 2020 20:16

Instrument :

MSVOA\_U

ClientSampleId :

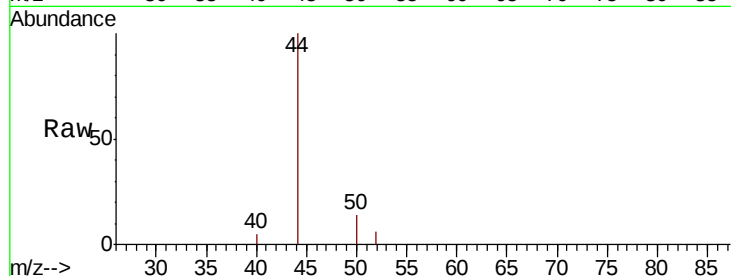
C0AJ0

Tot Ion: 50 Resp: 454

Ion Ratio Lower Upper

50 100

52 42.8 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

400

300

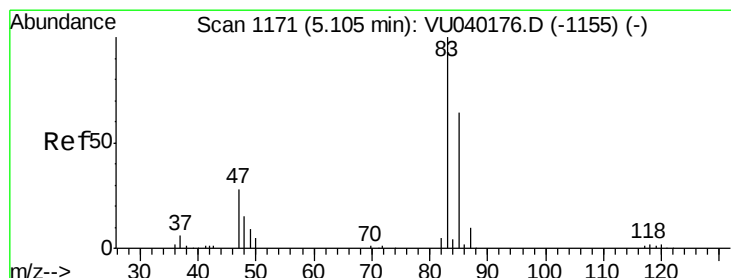
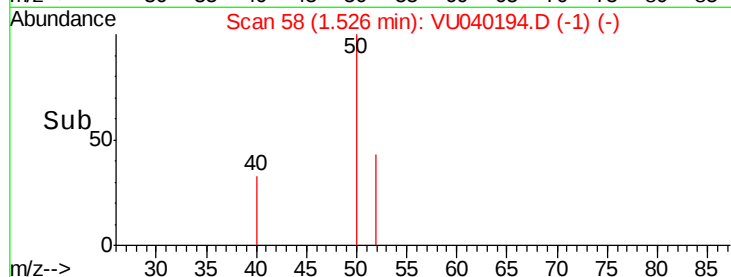
200

100

0

1.50 1.52 1.54

Time-->



#25

Chloroform

Concen: 0.738 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040194.D

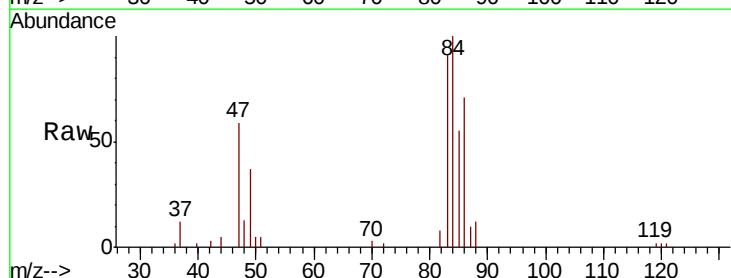
Acq: 17 Sep 2020 20:16

Tgt Ion: 83 Resp: 12614

Ion Ratio Lower Upper

83 100

85 59.8 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

6000

5000

4000

3000

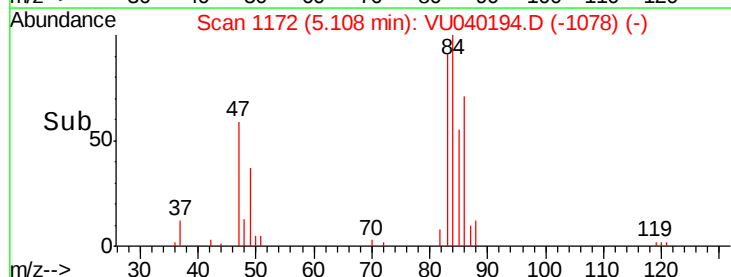
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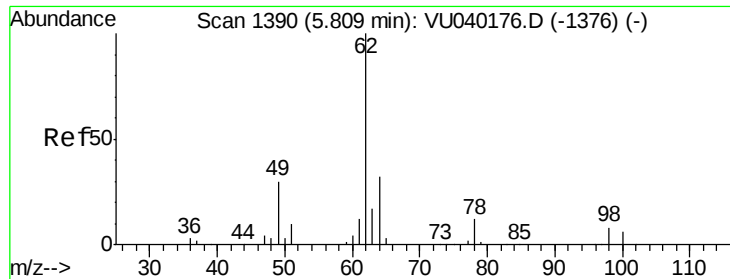
1000

0

5.05 5.10 5.15

Time-->

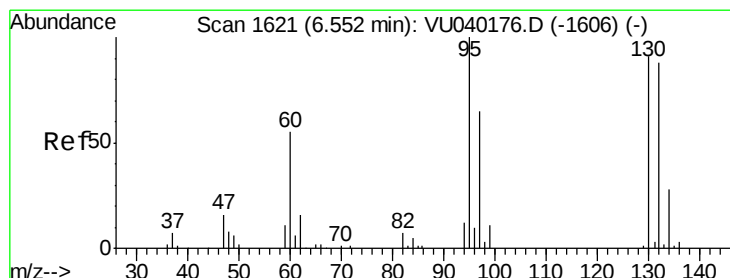
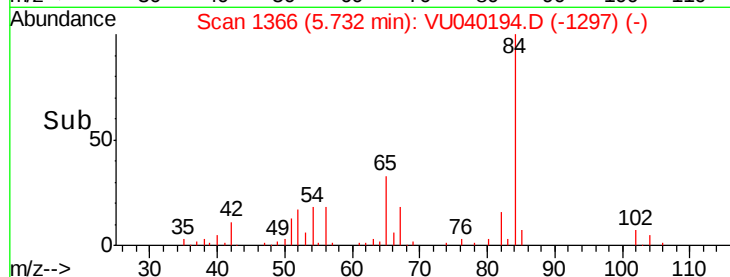
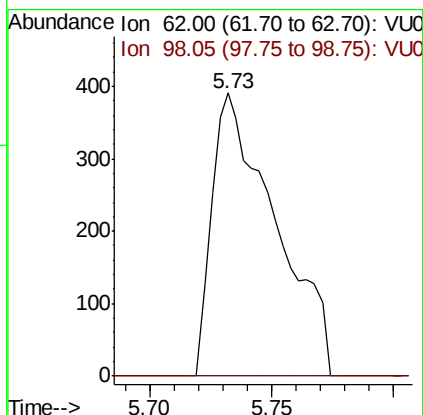
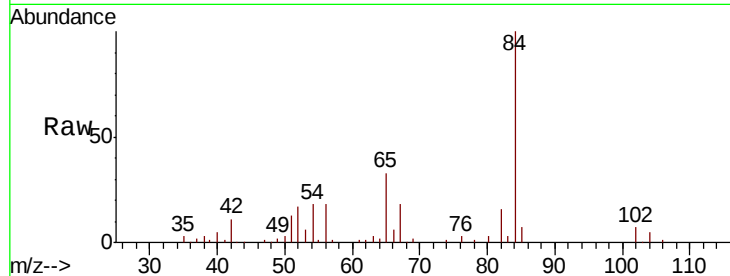




#27  
 1,2-Dichloroethane  
 Concen: 0.056 ug/L  
 RT: 5.73 min Scan# 1366  
 Delta R.T. -0.08 min  
 Lab File: VU040194.D  
 Acq: 17 Sep 2020 20:16

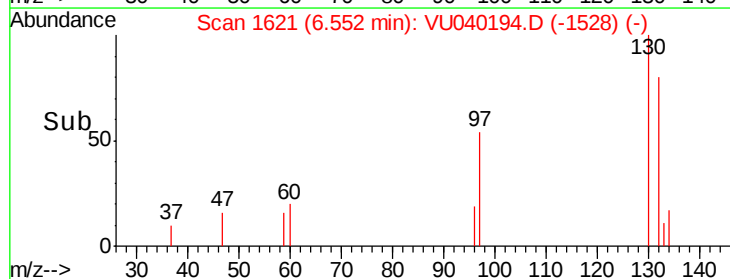
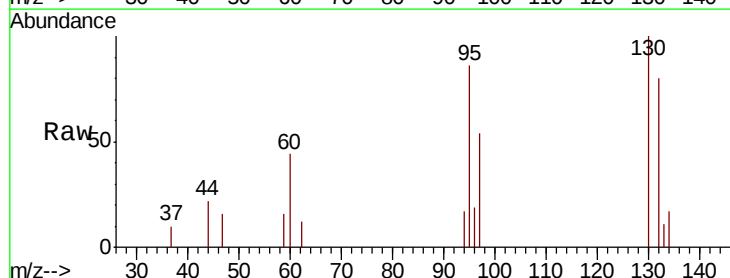
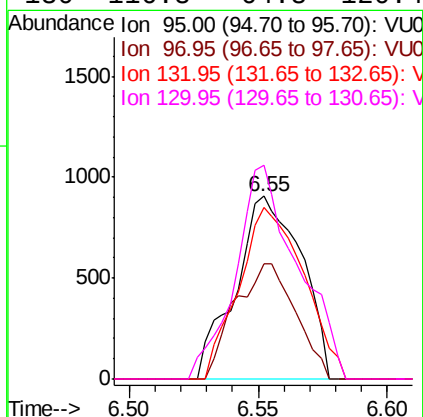
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ0

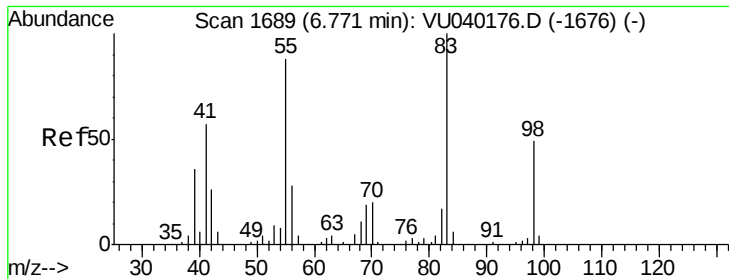
Tot Ion: 62 Resp: 703  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.1 9.1#



#34  
 Trichloroethene  
 Concen: 0.176 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VU040194.D  
 Acq: 17 Sep 2020 20:16

Tgt Ion: 95 Resp: 1611  
 Ion Ratio Lower Upper  
 95 100  
 97 63.1 43.3 80.5  
 132 93.5 59.4 110.4  
 130 116.8 64.8 120.4

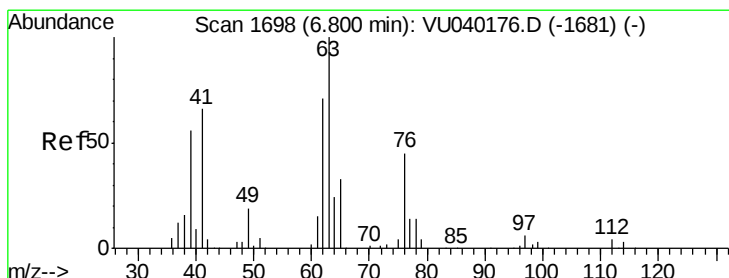
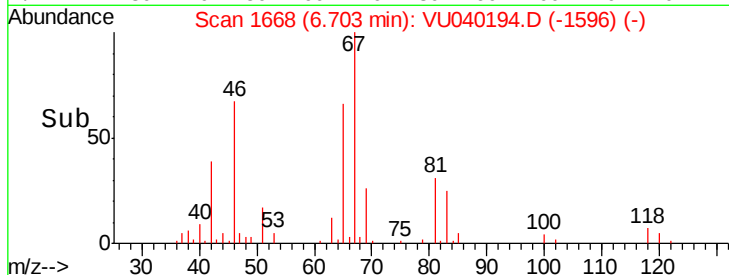
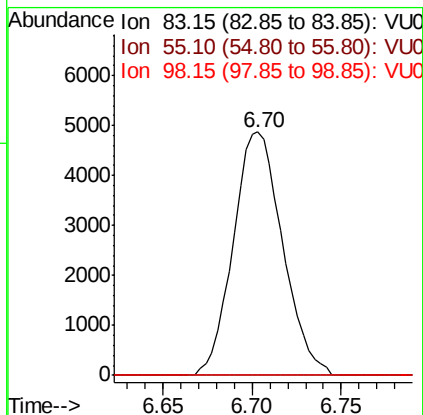
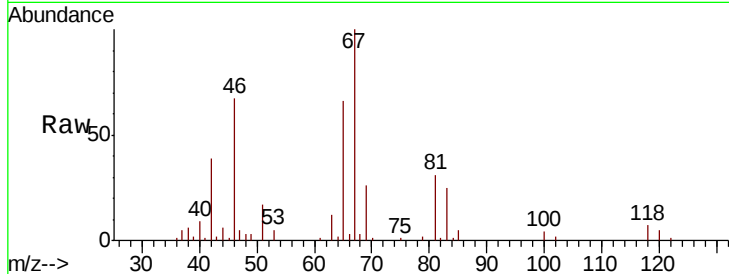




#35  
Methvlcvclohexane  
Concen: 0.669 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040194.D  
Acq: 17 Sep 2020 20:16

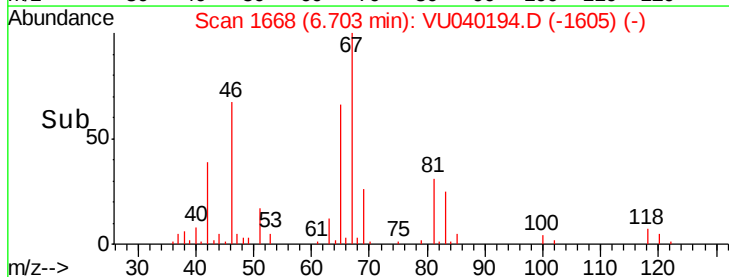
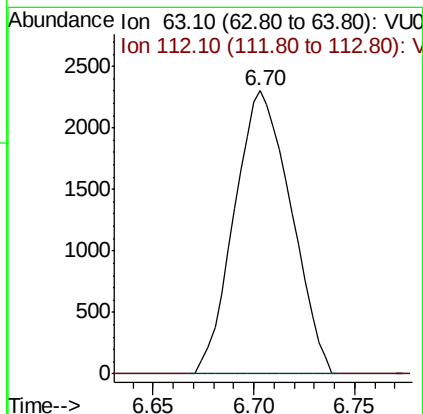
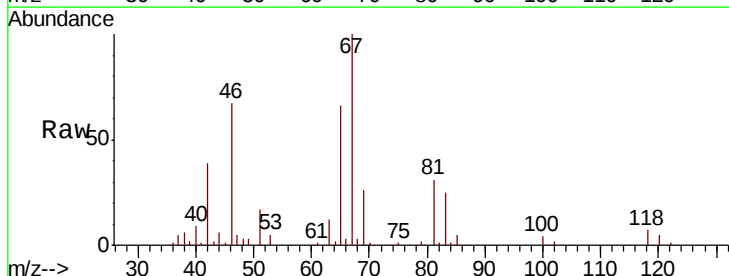
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ0

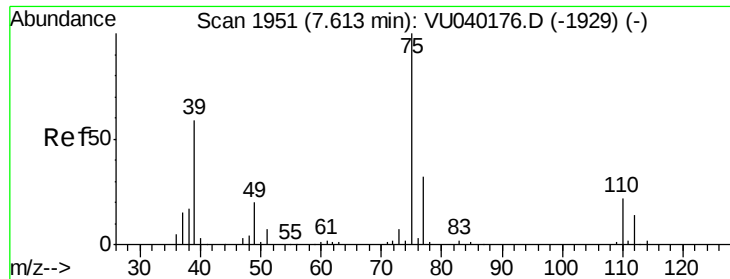
Tot Ion: 83 Resp: 9407  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.5 105.7#  
98 0.5 37.8 56.6#



#37  
1,2-Dichloropropane  
Concen: 0.487 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040194.D  
Acq: 17 Sep 2020 20:16

Tgt Ion: 63 Resp: 4515  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

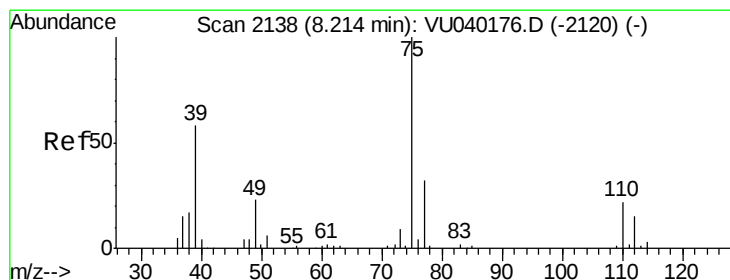
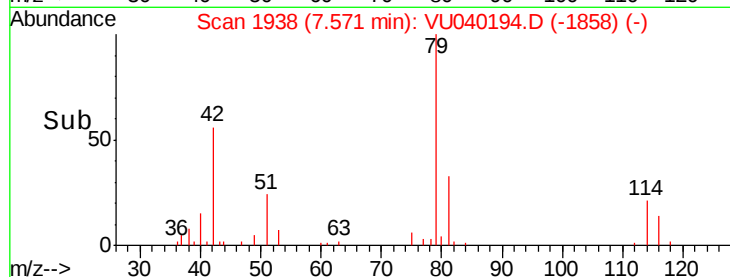
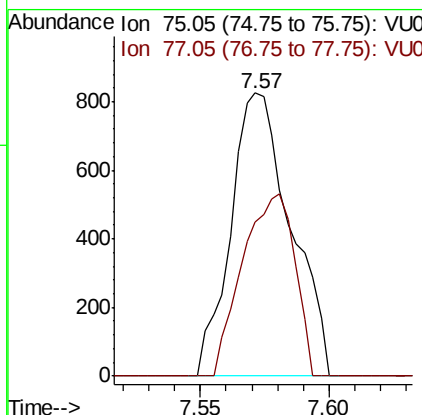
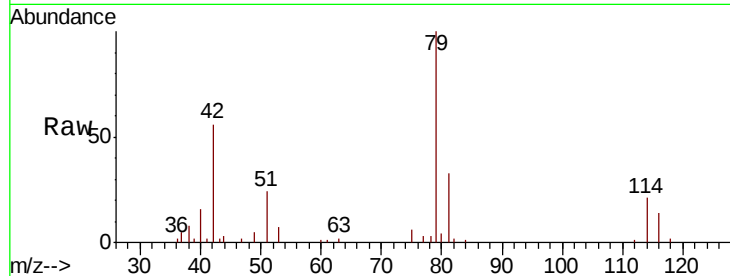




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.098 ug/L  
 RT: 7.57 min Scan# 1938  
 Delta R.T. -0.04 min  
 Lab File: VU040194.D  
 Acq: 17 Sep 2020 20:16

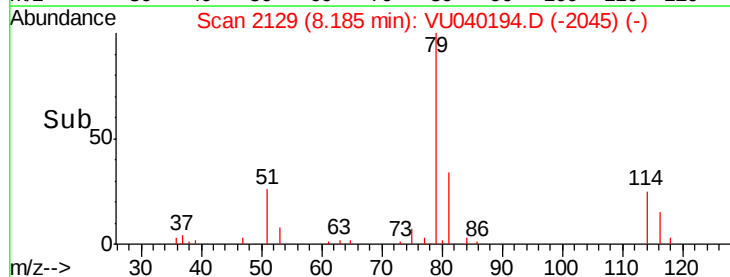
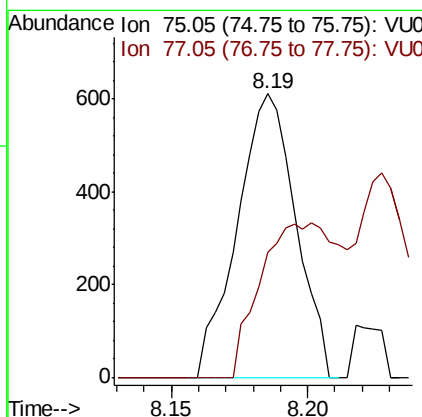
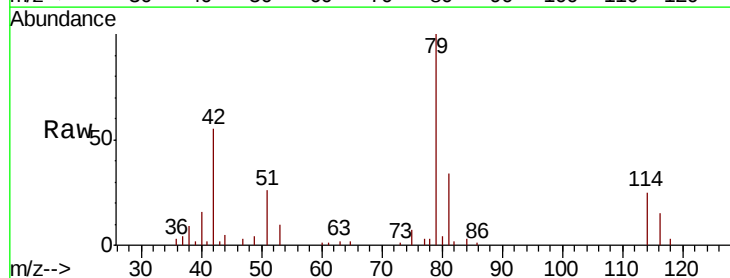
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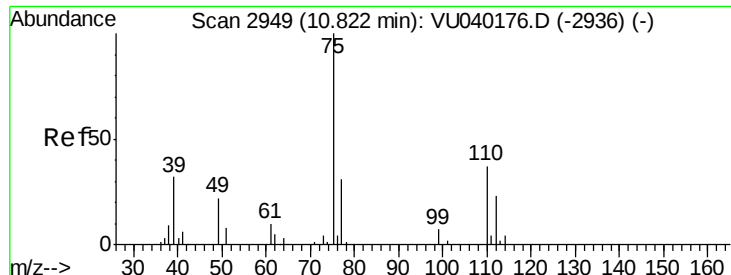
Tot Ion: 75 Resp: 1338  
 Ion Ratio Lower Upper  
 75 100  
 77 54.5 21.1 39.3#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.072 ug/L  
 RT: 8.19 min Scan# 2129  
 Delta R.T. -0.03 min  
 Lab File: VU040194.D  
 Acq: 17 Sep 2020 20:16

Tgt Ion: 75 Resp: 907  
 Ion Ratio Lower Upper  
 75 100  
 77 44.2 23.9 44.3





#59

1,2,3-Trichloropropane

Concen: 0.912 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040194.D

Acq: 17 Sep 2020 20:16

Instrument :

MSVOA\_U

ClientSampleId :

C0AJ0

Tot Ion: 75 Resp: 6259

Ion Ratio Lower Upper

75 100

77 43.3 24.9 37.3#

