

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\  
 Data File : VU041110.D  
 Acq On : 05 Nov 2020 17:25  
 Operator : SY/MD  
 Sample : L4648-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AB1

Quant Time: Nov 06 02:14:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 06 01:44:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 51034    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 54382    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 24555    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 16216    | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 14330    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 24177    | 2.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.40%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 84901    | 60.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.26% |
| 24) Chloroform-d               | 5.08   | 84    | 36955    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 23718    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00% |
| 32) Benzene-d6                 | 5.74   | 84    | 62087    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 23064    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 49476    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 9579     | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 64934    | 58.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 117.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 22393    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 20498    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

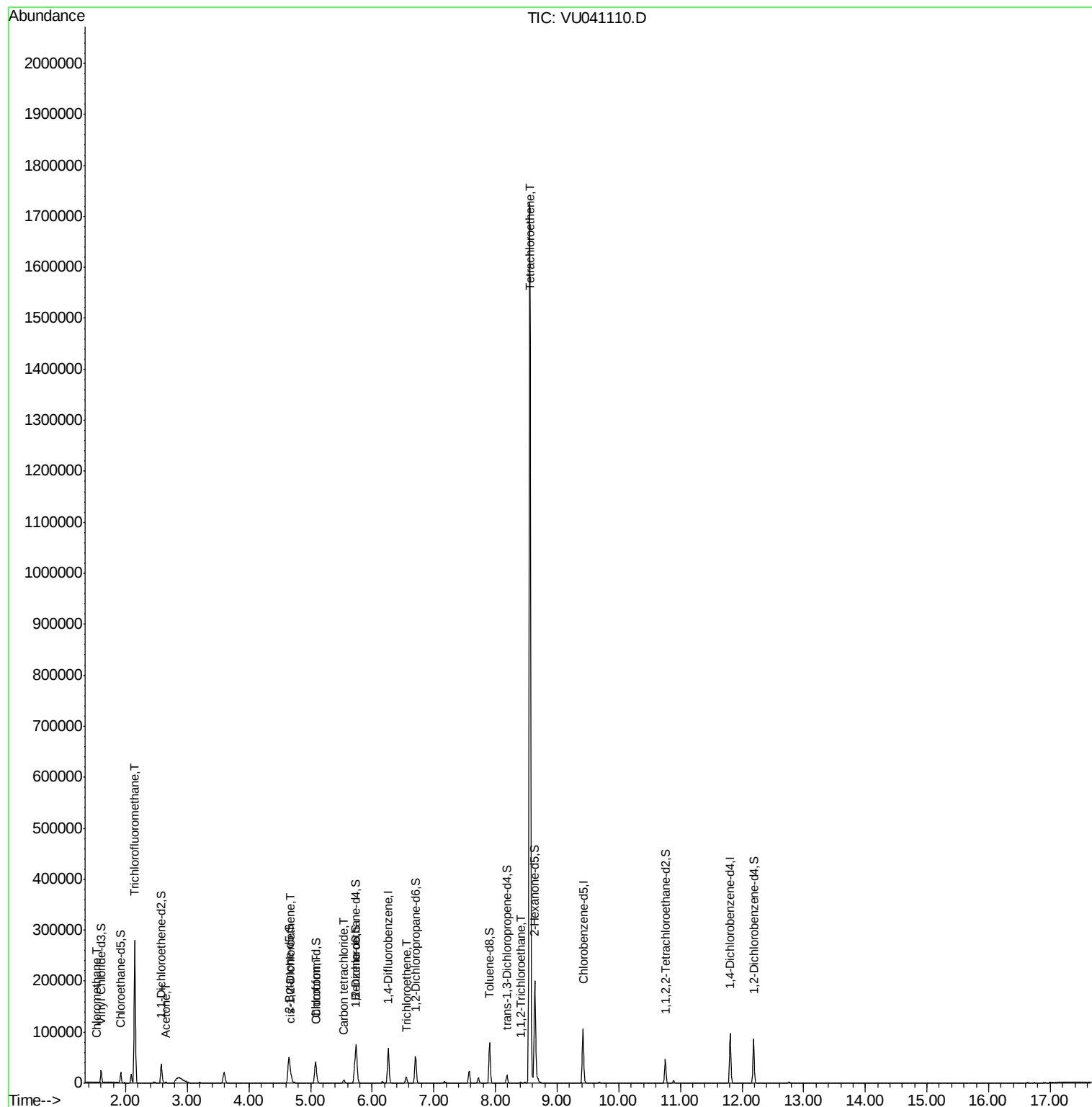
| Target Compounds           | R.T. | QIon | Response | Conc    | Units | Ovalue |
|----------------------------|------|------|----------|---------|-------|--------|
| 3) Chloromethane           | 1.53 | 50   | 536      | 0.110   | ug/L  | # 70   |
| 9) Trichlorofluoromethane  | 2.15 | 101  | 175443   | 26.931  | ug/L  | 99     |
| 13) Acetone                | 2.65 | 43   | 2590     | 2.683   | ug/L  | 73     |
| 22) cis-1,2-Dichloroethene | 4.68 | 96   | 798      | 0.211   | ug/L  | 91     |
| 25) Chloroform             | 5.11 | 83   | 2696     | 0.367   | ug/L  | 90     |
| 31) Carbon tetrachloride   | 5.54 | 117  | 3990     | 0.677   | ug/L  | 98     |
| 34) Trichloroethene        | 6.56 | 95   | 3994     | 0.966   | ug/L  | 86     |
| 45) 1,1,2-Trichloroethane  | 8.40 | 97   | 686      | 0.210   | ug/L  | 83     |
| 47) Tetrachloroethene      | 8.56 | 164  | 347038   | 114.130 | ug/L  | 97     |

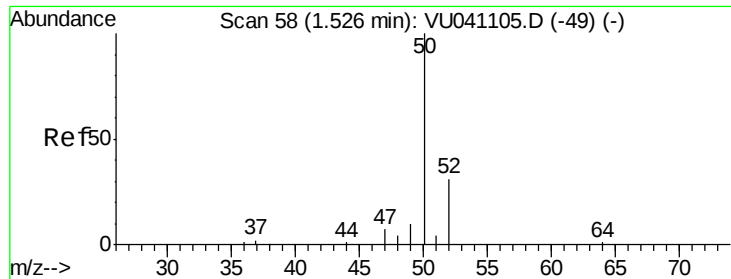
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 02:14:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 06 01:44:25 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.110 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA\_U

ClientSampleId :

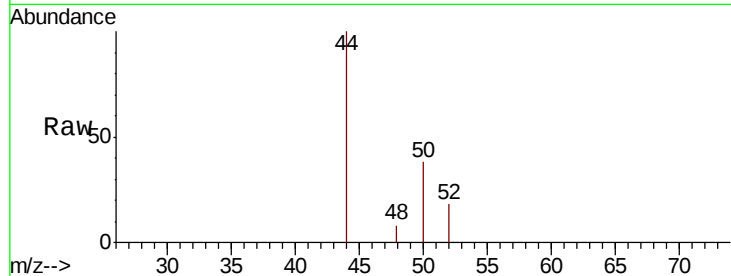
C0AB1

Tot Ion: 50 Resp: 536

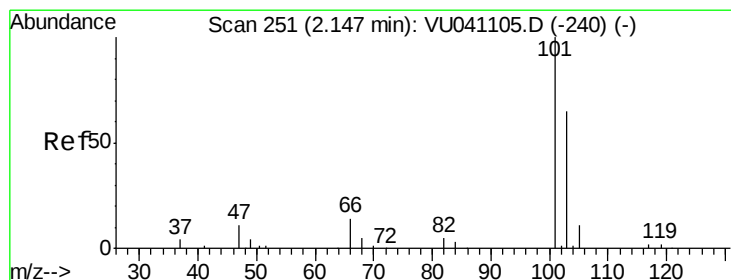
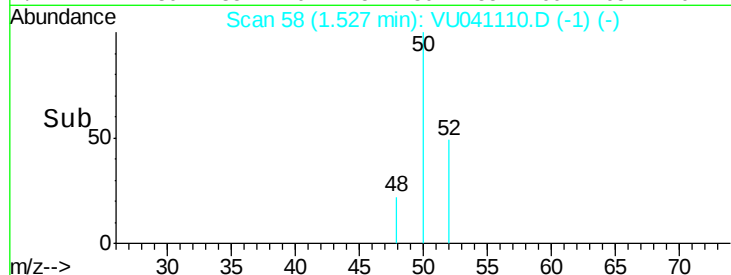
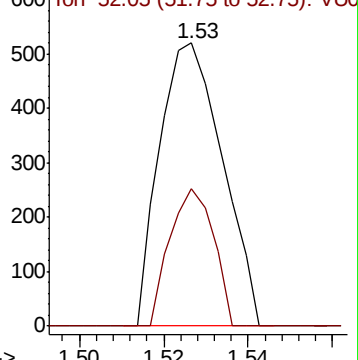
Ion Ratio Lower Upper

50 100

52 48.7 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU041110.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 26.931 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041110.D

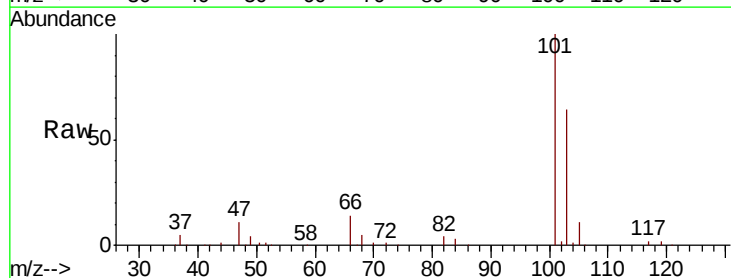
Acq: 05 Nov 2020 17:25

Tgt Ion:101 Resp: 175443

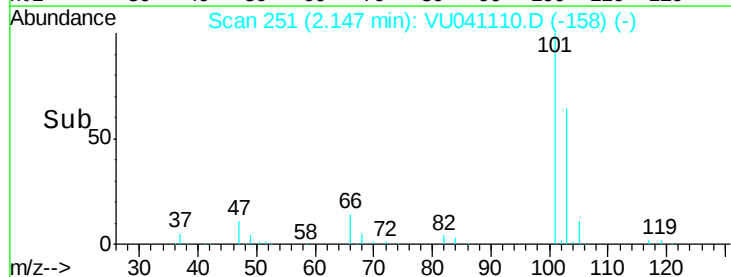
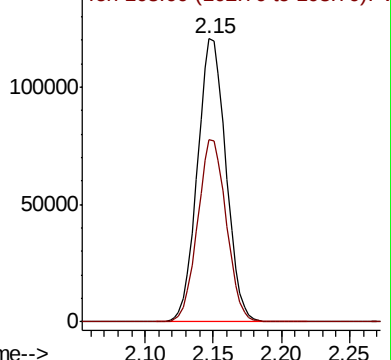
Ion Ratio Lower Upper

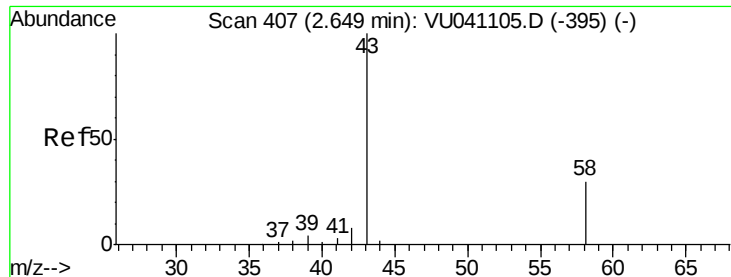
101 100

103 64.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041110.D (-158) (-)





#13

Acetone

Concen: 2.683 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA\_U

ClientSampled :

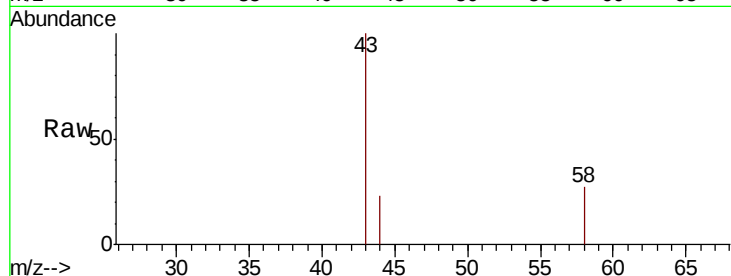
C0AB1

Tot Ion: 43 Resp: 2590

Ion Ratio Lower Upper

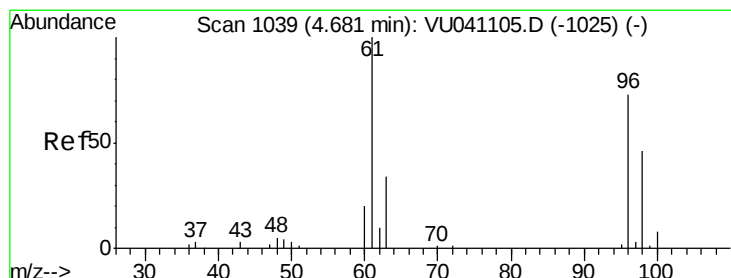
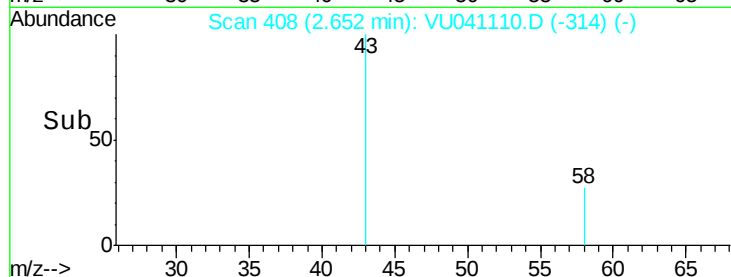
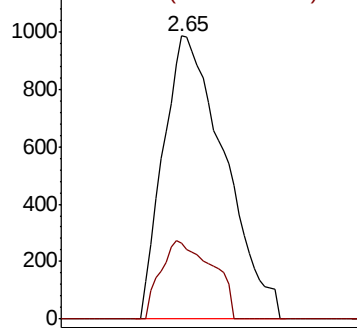
43 100

58 23.3 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.211 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

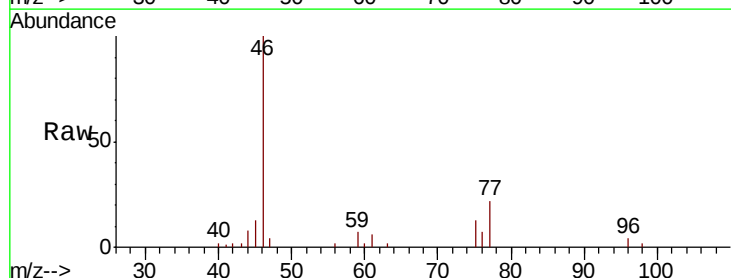
Tgt Ion: 96 Resp: 798

Ion Ratio Lower Upper

96 100

61 128.0 97.2 180.4

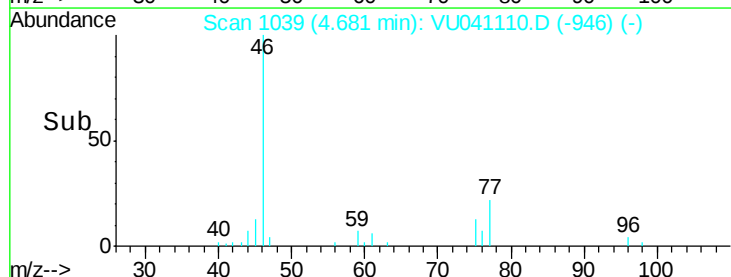
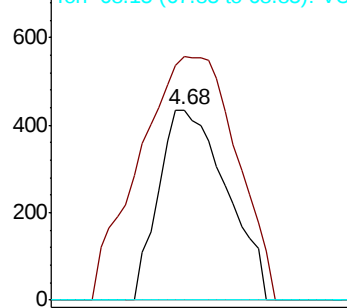
68 0.0 0.0 0.0

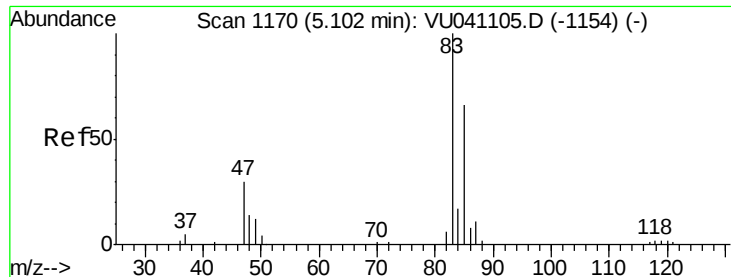


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

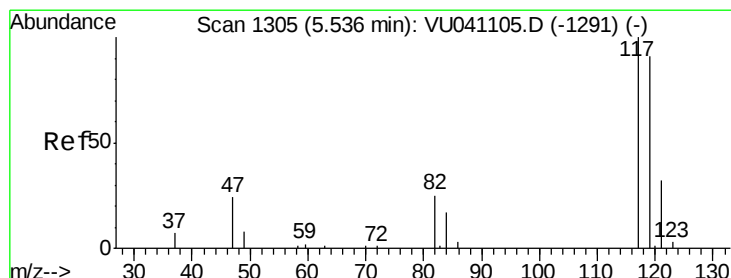
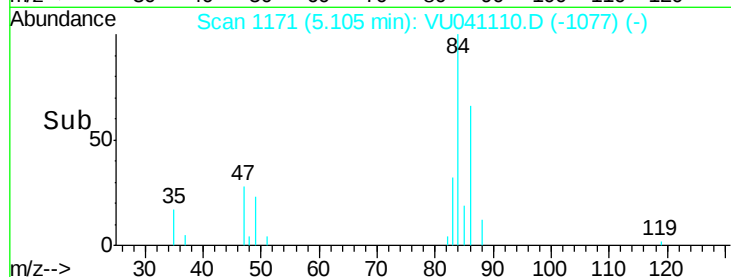
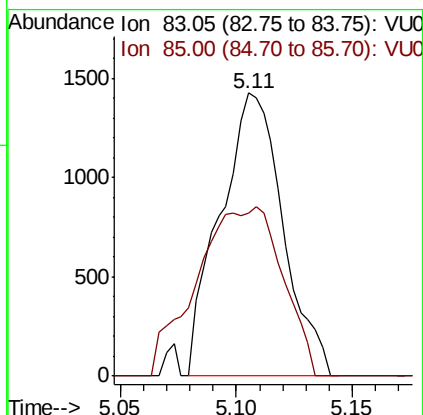
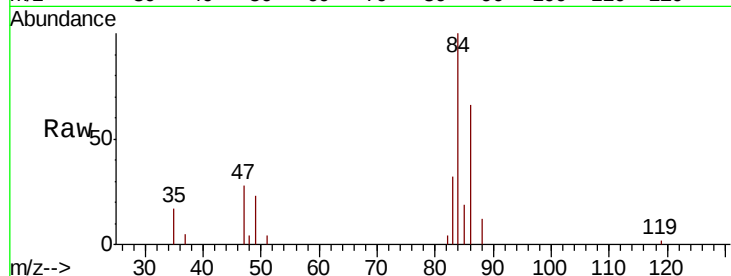




#25  
Chloroform  
Concen: 0.367 ug/L  
RT: 5.11 min Scan# 1171  
Delta R.T. 0.00 min  
Lab File: VU041110.D  
Acq: 05 Nov 2020 17:25

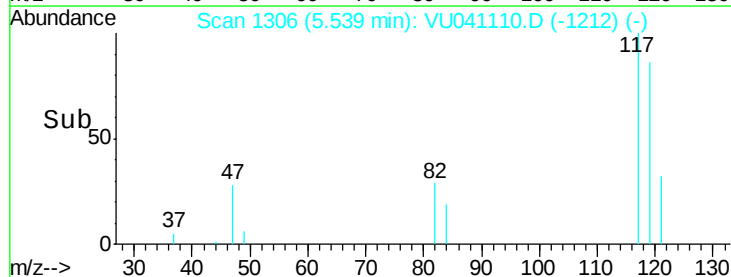
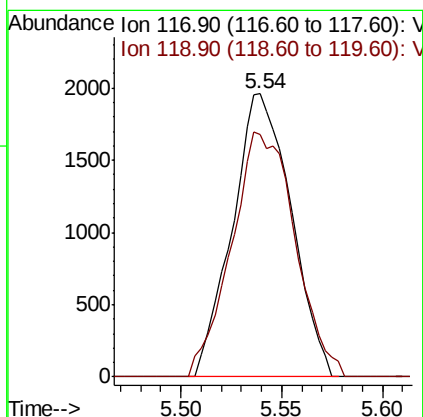
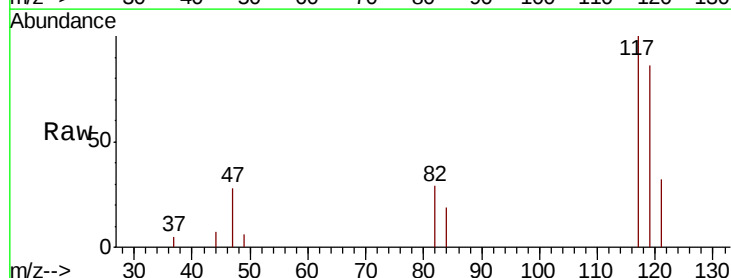
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AB1

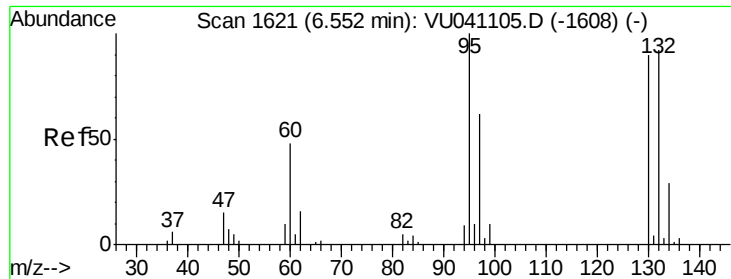
Tot Ion: 83 Resp: 2696  
Ion Ratio Lower Upper  
83 100  
85 57.8 46.1 85.7



#31  
Carbon tetrachloride  
Concen: 0.677 ug/L  
RT: 5.54 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: VU041110.D  
Acq: 05 Nov 2020 17:25

Tgt Ion: 117 Resp: 3990  
Ion Ratio Lower Upper  
117 100  
119 93.3 76.1 114.1





#34

Trichloroethene

Concen: 0.966 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA\_U

ClientSampleId :

C0AB1

Tot Ion: 95 Resp: 3994

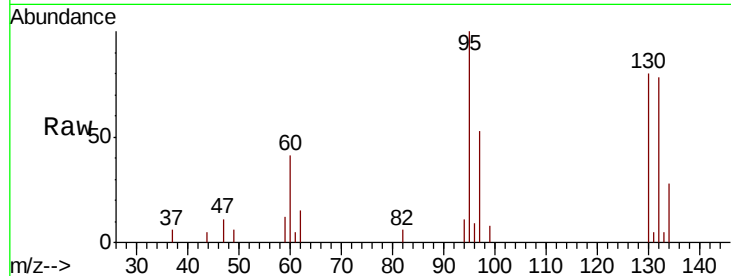
Ion Ratio Lower Upper

95 100

97 53.3 45.6 84.6

132 78.3 64.8 120.4

130 79.6 64.8 120.4

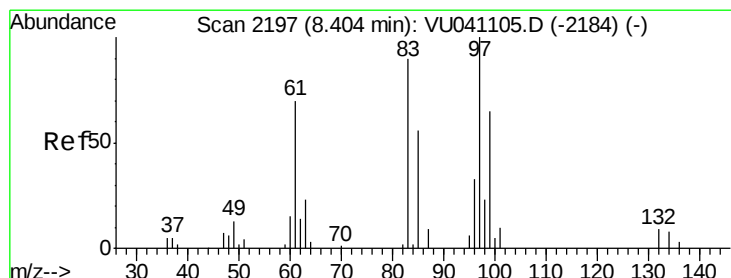
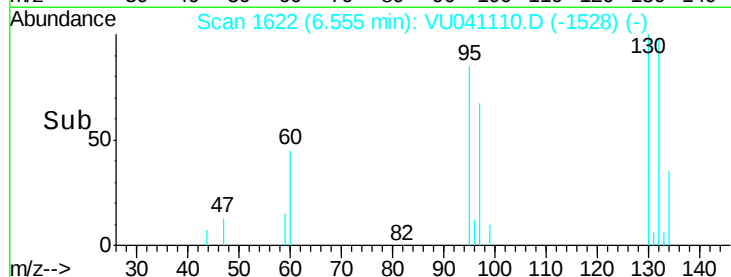
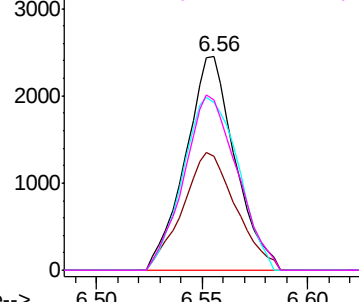


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#45

1,1,2-Trichloroethane

Concen: 0.210 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Tgt Ion: 97 Resp: 686

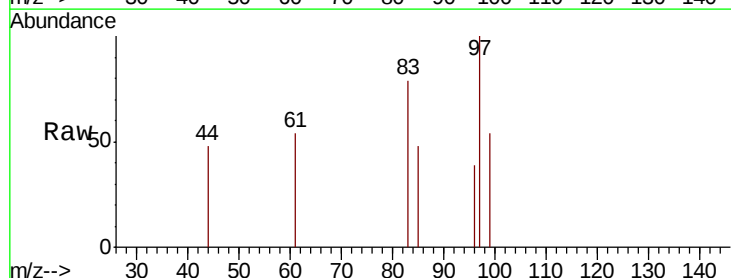
Ion Ratio Lower Upper

97 100

99 53.7 45.8 85.2

83 79.1 67.9 126.1

85 48.4 42.8 79.6

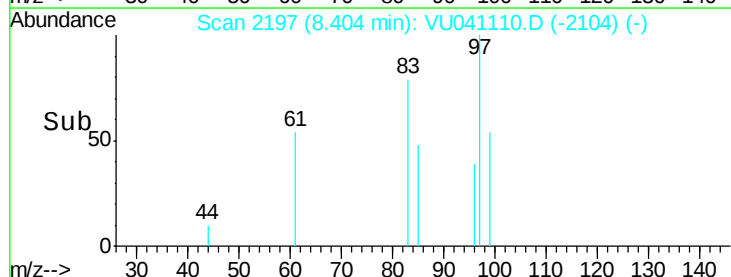
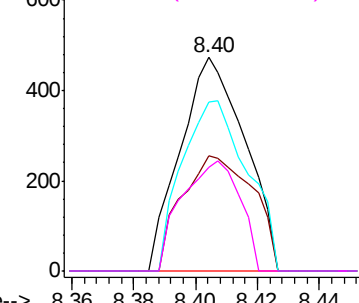


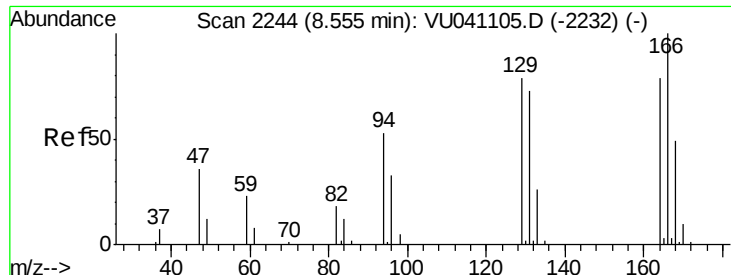
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 114.130 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA\_U

ClientSampleId :

C0AB1

Tot Ion:164 Resp: 347038

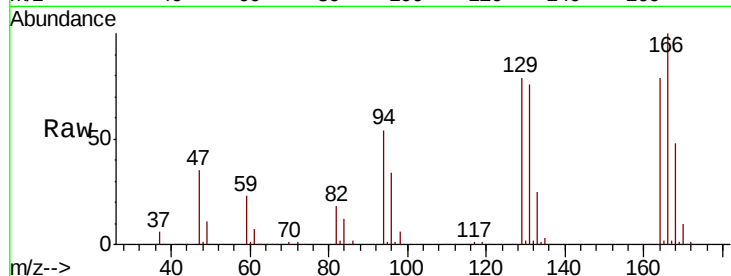
Ion Ratio Lower Upper

164 100

129 100.9 70.3 130.7

131 97.1 70.8 131.4

166 126.9 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

