

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\  
 Data File : VU041623.D  
 Acq On : 14 Dec 2020 20:12  
 Operator : SY/MD  
 Sample : L5027-21  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB1K0

Quant Time: Dec 15 00:50:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Dec 15 00:46:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 114320   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 112699   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 50926    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29161    | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 65.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 29520    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 50232    | 3.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 143223   | 55.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.58% |
| 24) Chloroform-d               | 5.08   | 84    | 77024    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 45496    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.80% |
| 32) Benzene-d6                 | 5.74   | 84    | 150008   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 49716    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 128258   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19015    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 120375   | 48.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 48891    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 50601    | 5.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.80% |

## Target Compounds

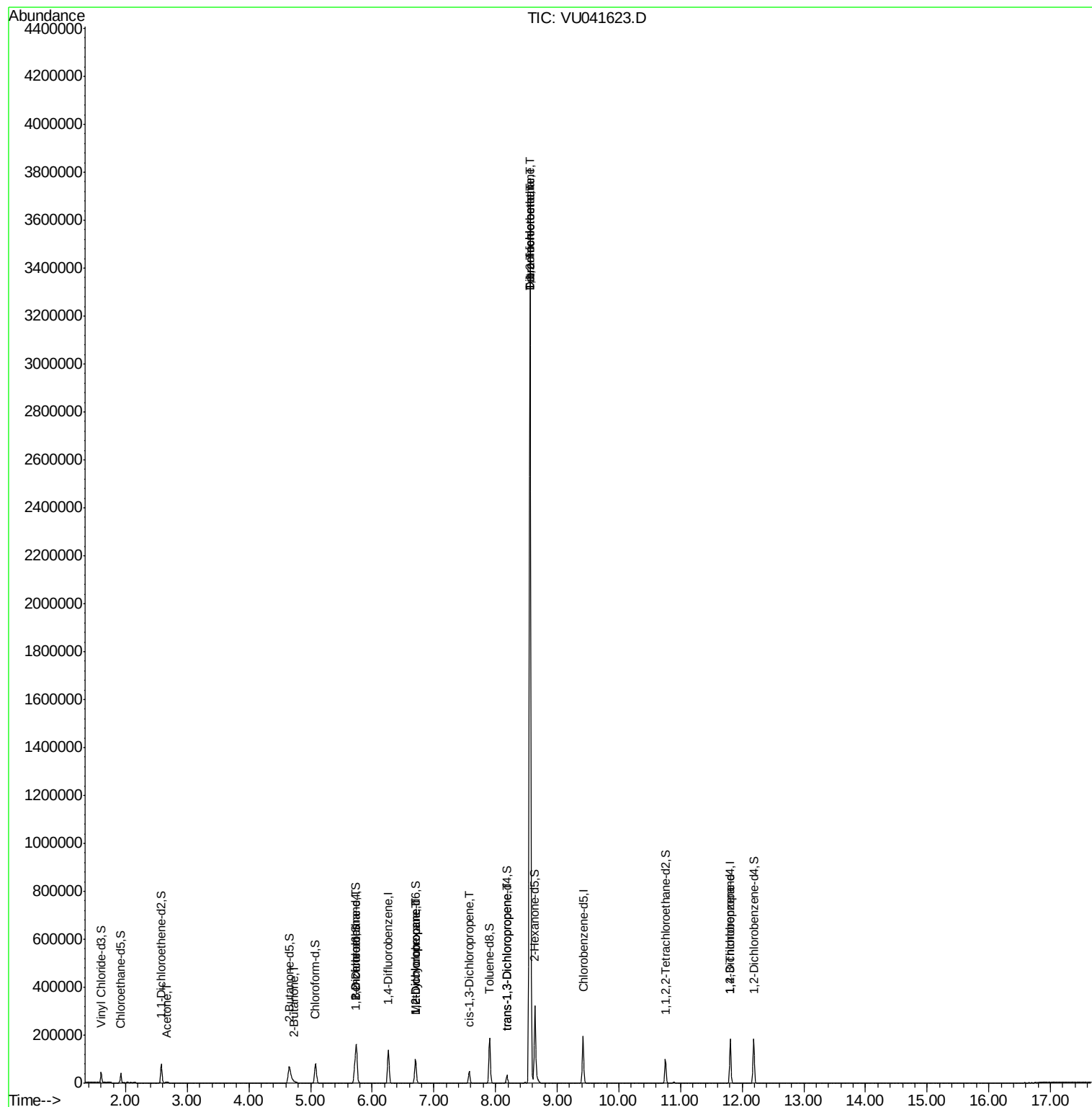
| Target Compounds              | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|-------------------------------|-------|------|----------|---------|--------|--------|
| 13) Acetone                   | 2.67  | 43   | 7462     | 4.570   | ug/L   | 89     |
| 21) 2-Butanone                | 4.74  | 43   | 4800     | 1.805   | ug/L   | 98     |
| 27) 1,2-Dichloroethane        | 5.74  | 62   | 789      | 0.077   | ug/L # | 73     |
| 35) Methylcyclohexane         | 6.70  | 83   | 12030    | 0.822   | ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 5135     | 0.557   | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 1095     | 0.080   | ug/L # | 75     |
| 44) trans-1,3-Dichloropropene | 8.18  | 75   | 710      | 0.058   | ug/L # | 78     |
| 45) 1,1,2-Trichloroethane     | 8.56  | 97   | 6819     | 1.000   | ug/L # | 1      |
| 47) Tetrachloroethene         | 8.56  | 164  | 814813   | 128.515 | ug/L   | 98     |
| 49) Dibromochloromethane      | 8.56  | 129  | 791232   | 101.035 | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 6009     | 0.868   | ug/L   | 100    |

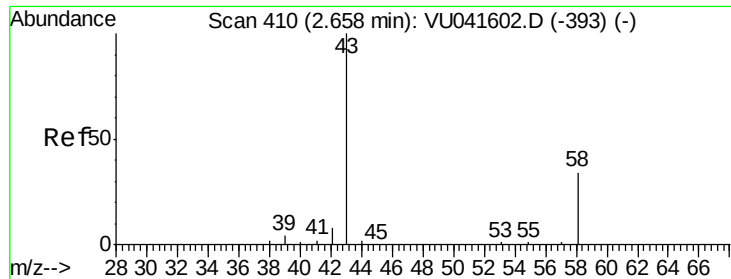
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121420\  
Data File : VU041623.D  
Acq On : 14 Dec 2020 20:12  
Operator : SY/MD  
Sample : L5027-21  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB1K0

Quant Time: Dec 15 00:50:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 15 00:46:25 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 4.570 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA\_U

ClientSampleId :

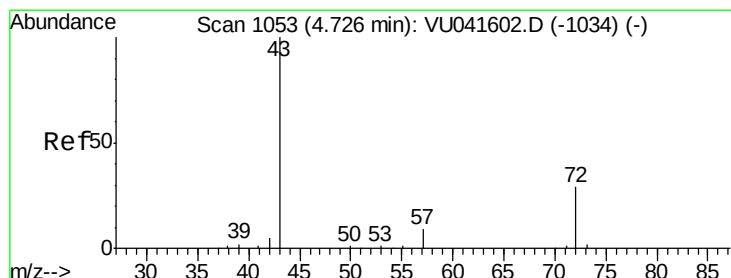
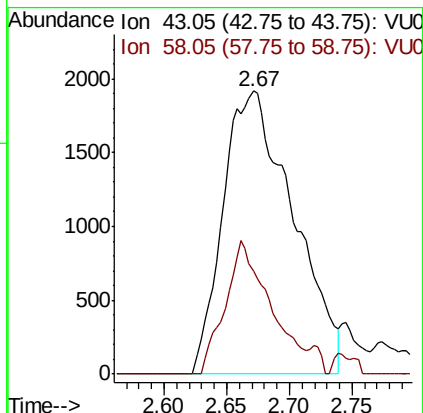
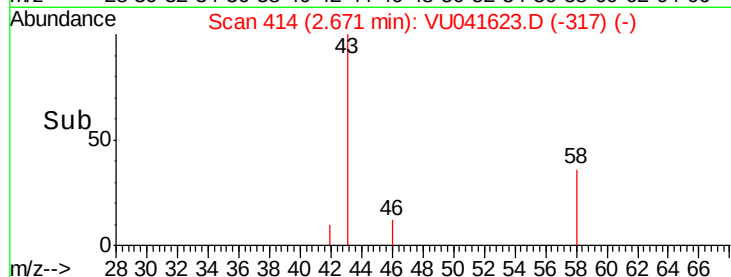
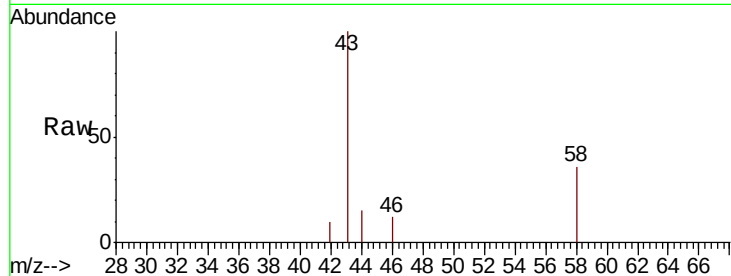
GB1K0

Tot Ion: 43 Resp: 7462

Ion Ratio Lower Upper

43 100

58 30.1 0.0 73.2



#21

2-Butanone

Concen: 1.805 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.02 min

Lab File: VU041623.D

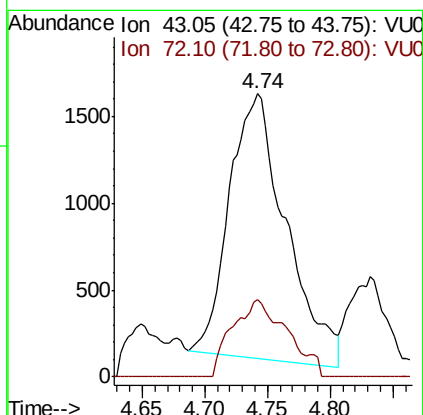
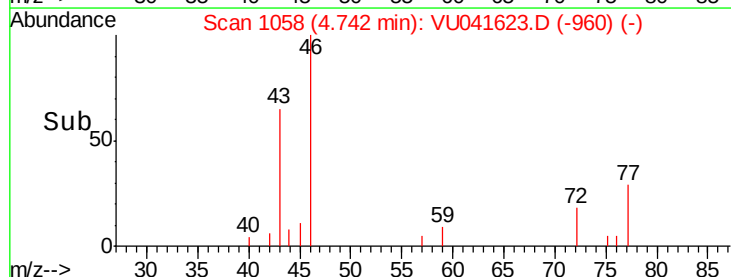
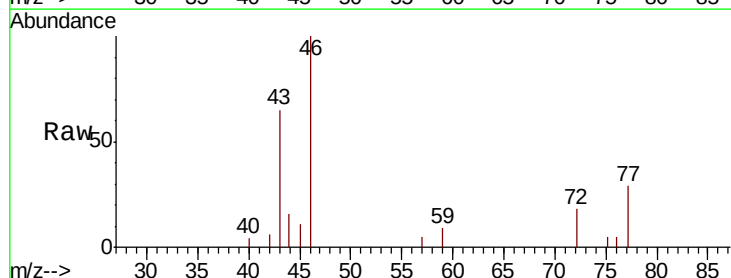
Acq: 14 Dec 2020 20:12

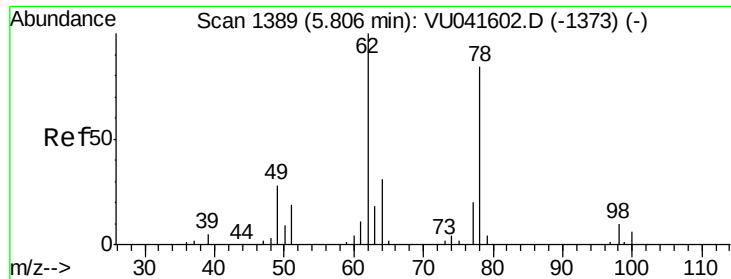
Tgt Ion: 43 Resp: 4800

Ion Ratio Lower Upper

43 100

72 28.2 14.6 44.0

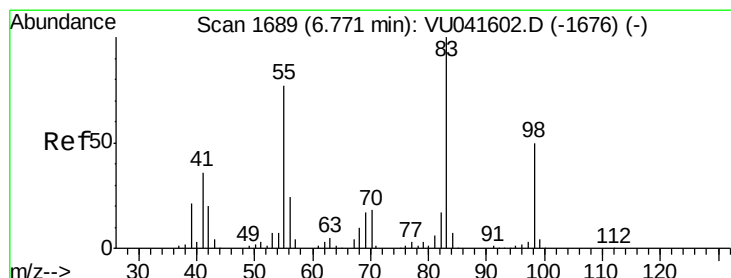
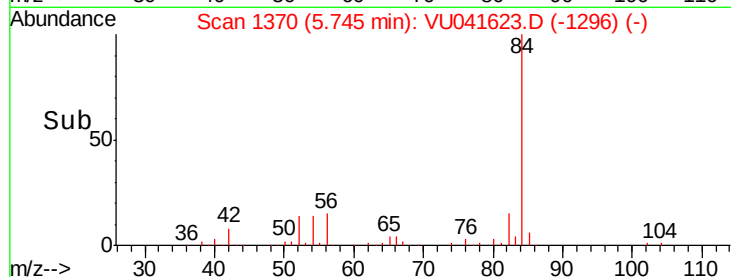
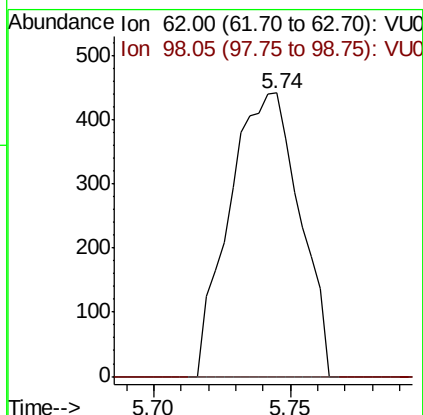
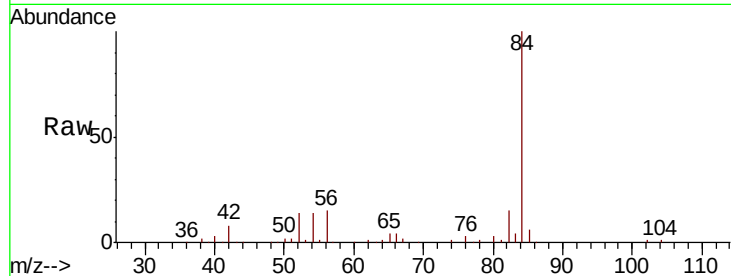




#27  
 1,2-Dichloroethane  
 Concen: 0.077 ug/L  
 RT: 5.74 min Scan# 1370  
 Delta R.T. -0.06 min  
 Lab File: VU041623.D  
 Acq: 14 Dec 2020 20:12

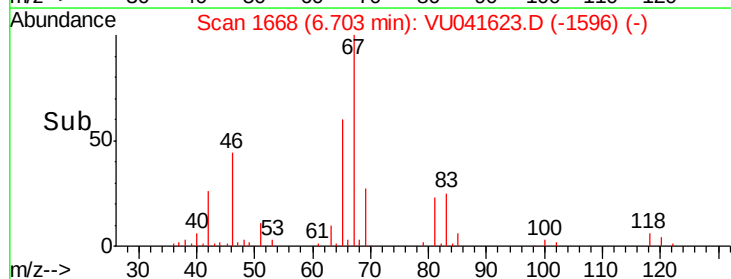
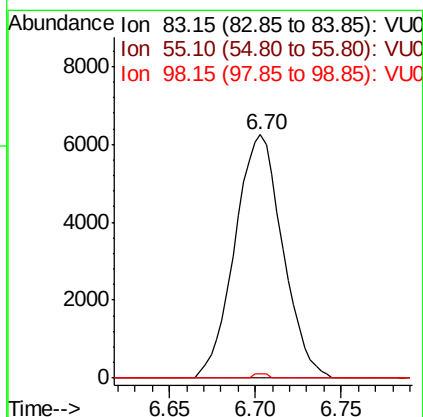
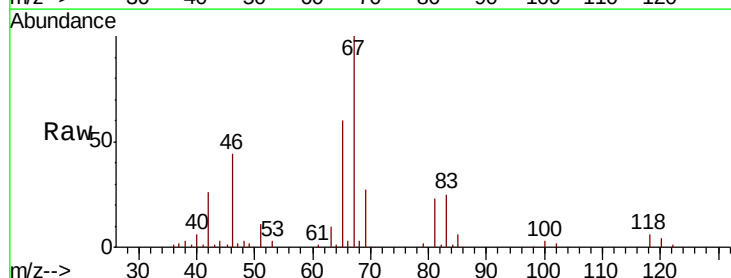
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB1K0

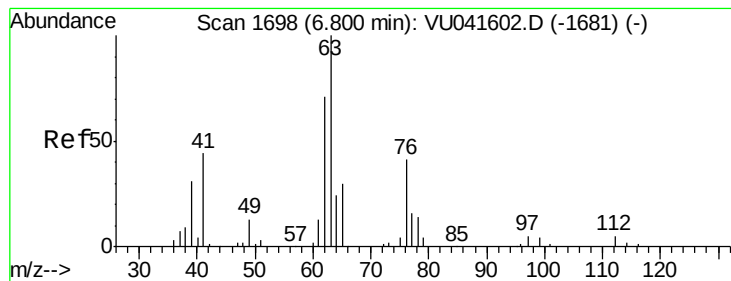
Tot Ion: 62 Resp: 789  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 8.2 12.2#



#35  
 Methylcyclohexane  
 Concen: 0.822 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.07 min  
 Lab File: VU041623.D  
 Acq: 14 Dec 2020 20:12

Tgt Ion: 83 Resp: 12030  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 61.2 91.8#  
 98 0.5 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.557 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA\_U

ClientSampled :

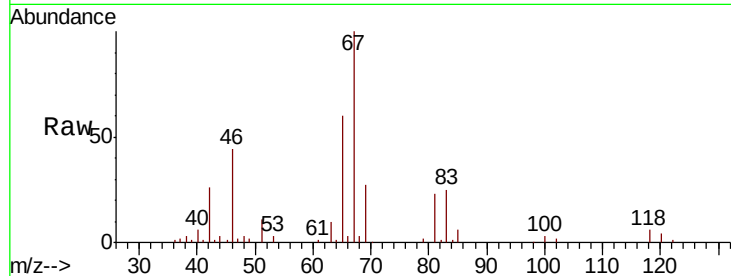
GB1K0

Tot Ion: 63 Resp: 5135

Ion Ratio Lower Upper

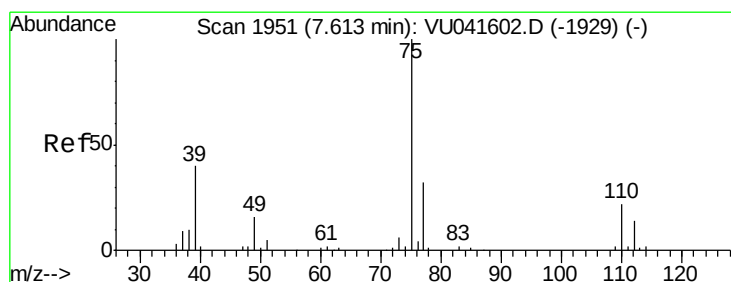
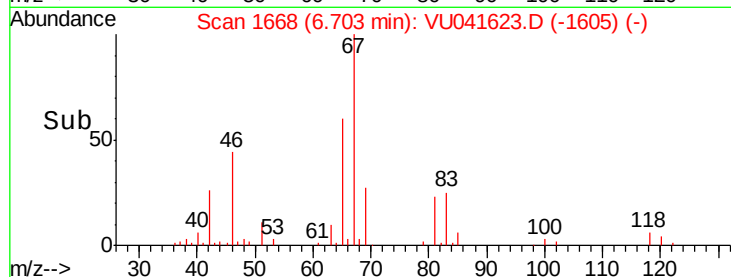
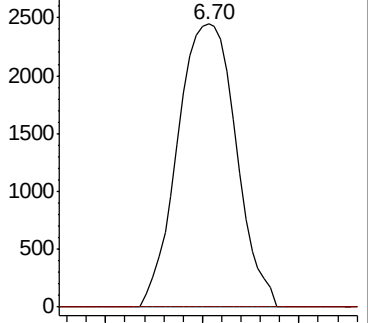
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041623.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU041623.D (-1668) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041623.D

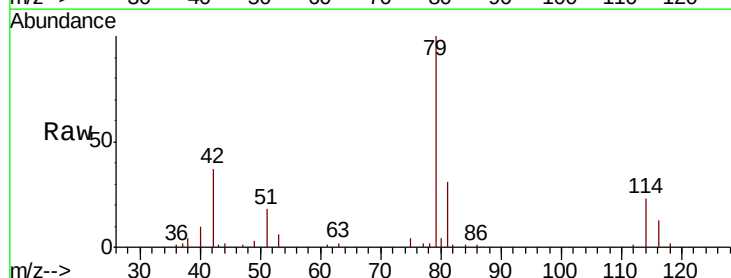
Acq: 14 Dec 2020 20:12

Tgt Ion: 75 Resp: 1095

Ion Ratio Lower Upper

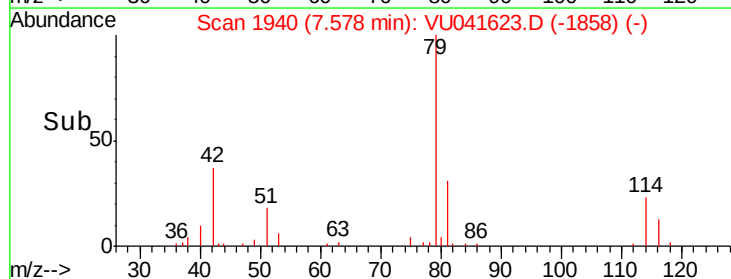
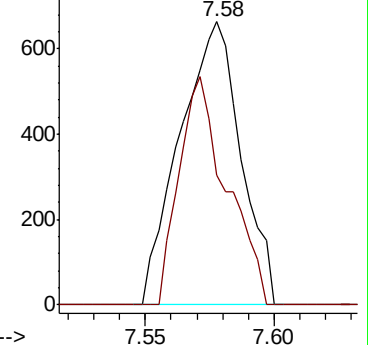
75 100

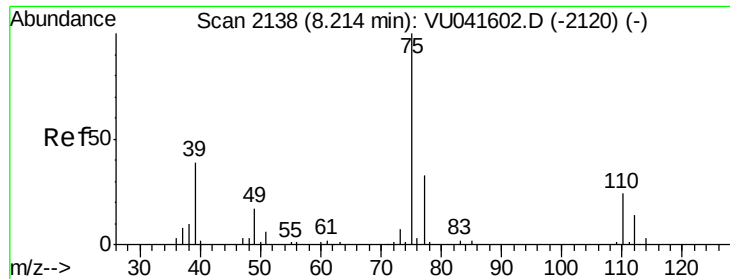
77 45.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041623.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041623.D (-1858) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA\_U

ClientSampleId :

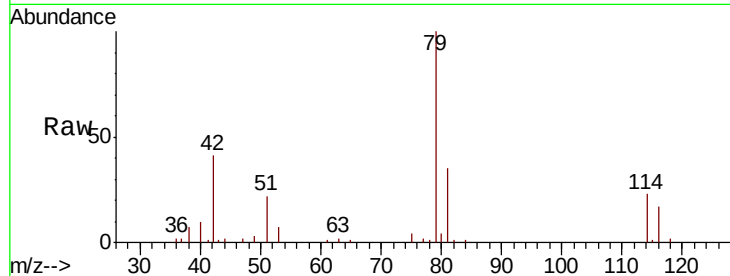
GB1K0

Tot Ion: 75 Resp: 710

Ion Ratio Lower Upper

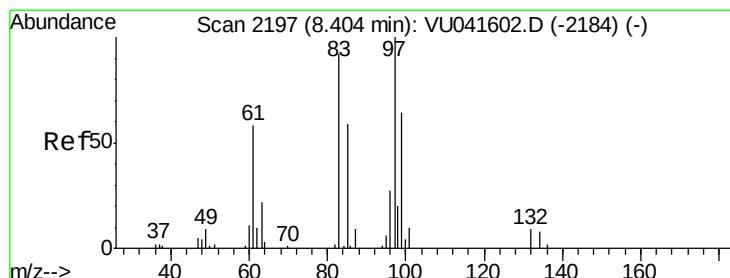
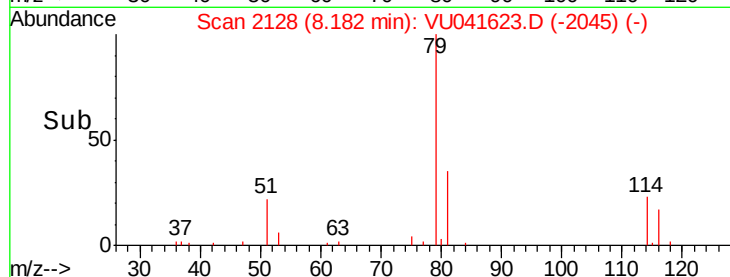
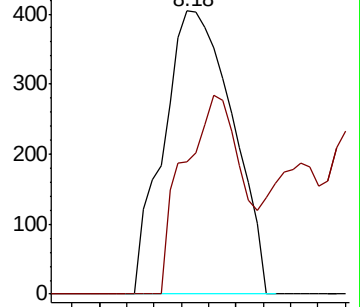
75 100

77 46.8 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 1.000 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Tgt Ion: 97 Resp: 6819

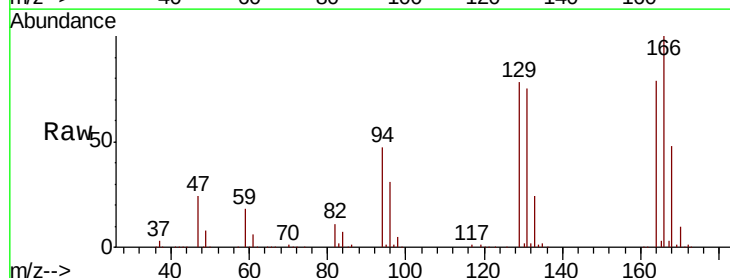
Ion Ratio Lower Upper

97 100

99 16.2 42.1 78.3#

83 277.8 62.6 116.2#

85 40.1 39.1 72.7

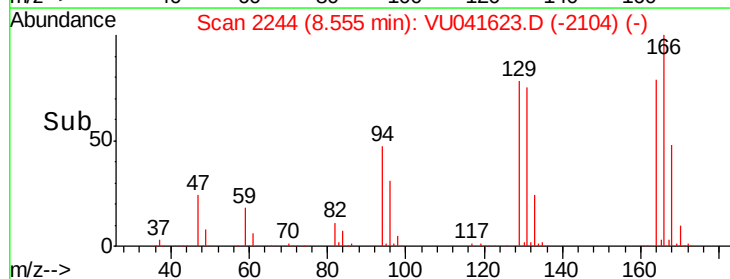
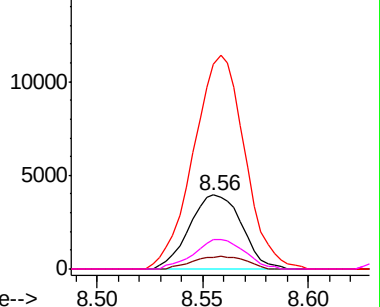


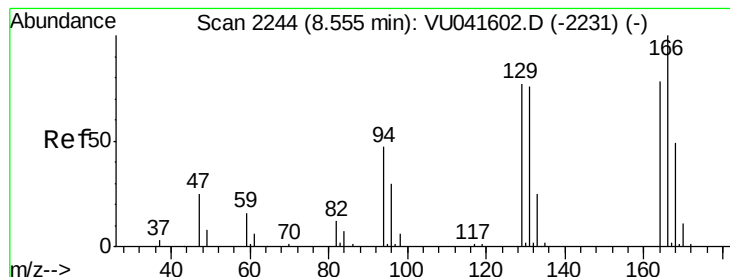
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 128.515 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA\_U

ClientSampleId :

GB1K0

Tot Ion:164 Resp: 814813

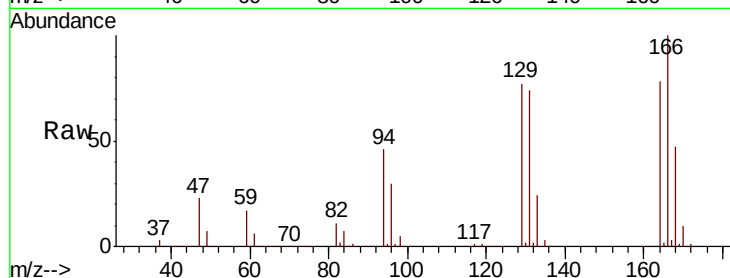
Ion Ratio Lower Upper

164 100

129 98.0 72.2 134.0

131 93.8 66.9 124.3

166 127.5 89.6 166.4

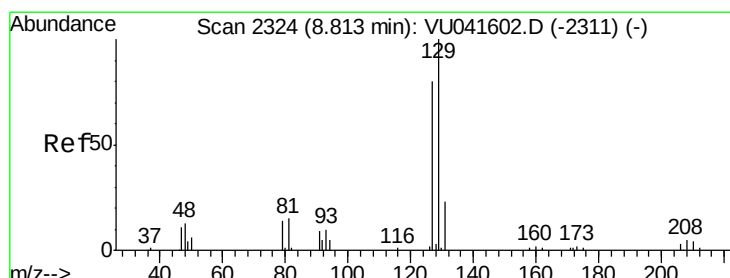
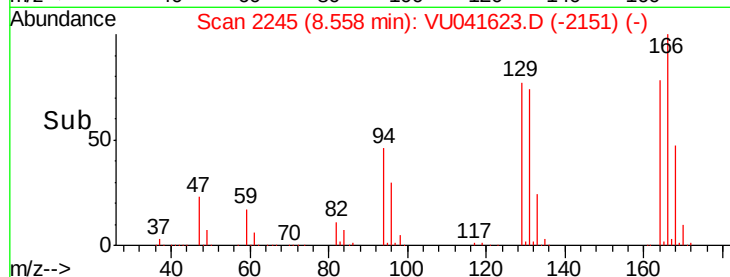
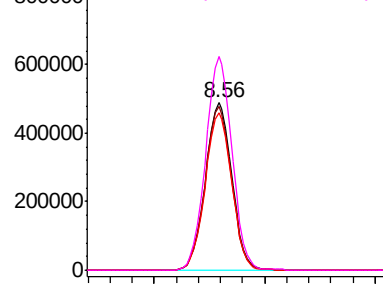


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 101.035 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041623.D

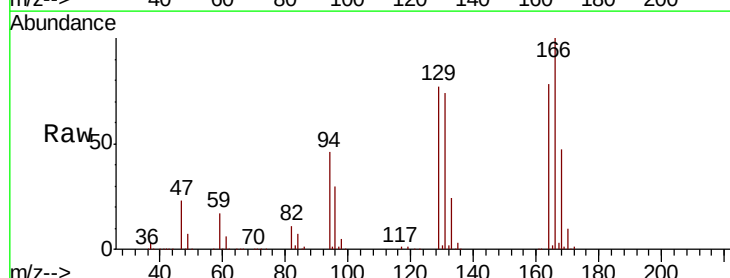
Acq: 14 Dec 2020 20:12

Tgt Ion:129 Resp: 791232

Ion Ratio Lower Upper

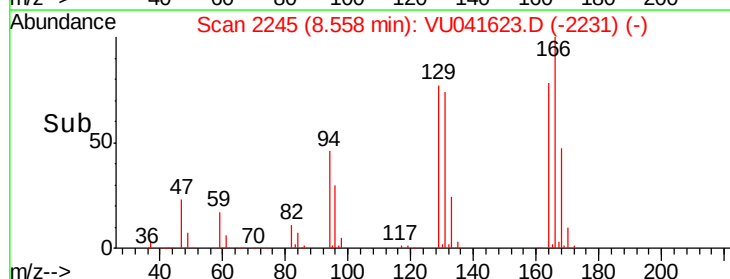
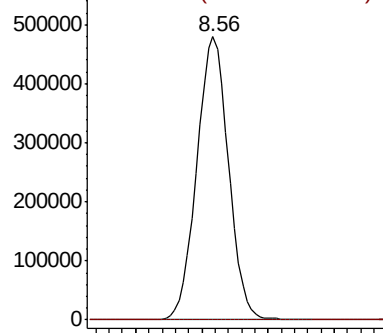
129 100

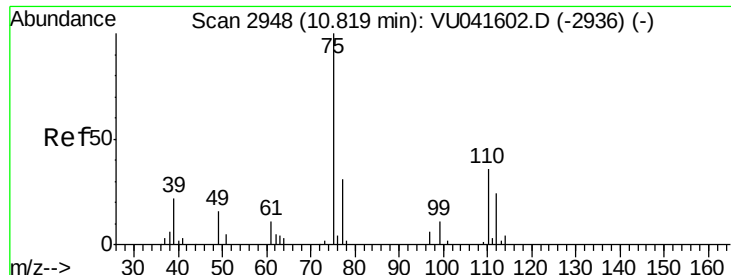
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.868 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA\_U

ClientSampleId :

GB1K0

Tot Ion: 75 Resp: 6009

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

