

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120820\  
 Data File : VU041498.D  
 Acq On : 08 Dec 2020 12:37  
 Operator : SY/MD  
 Sample : VSTD2.031  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 00:18:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUSIM120820.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Dec 09 00:17:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.23  | 114  | 7932     | 0.50 | ug/L  | 0.00     |
| 5) Chlorobenzene-d5        | 9.36  | 117  | 6557     | 0.50 | ug/L  | 0.00     |
| 11) 1,4-Dichlorobenzene-d4 | 11.74 | 152  | 4142     | 0.50 | ug/L  | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 2) Vinyl Chloride-d3           | 1.61  | 65   | 20770    | 2.62 | ug/L  | 0.00     |
| 4) 1,2-Dichloroethane-d4       | 5.68  | 65   | 18387    | 1.70 | ug/L  | 0.00     |
| 7) 1,2-Dichloropropane-d6      | 6.66  | 67   | 18034    | 2.29 | ug/L  | 0.00     |
| 8) Toluene-d8                  | 7.85  | 98   | 30777    | 2.10 | ug/L  | 0.00     |
| 10) 1,1,2,2-Tetrachloroethane- | 10.68 | 84   | 17565    | 2.17 | ug/L  | 0.00     |

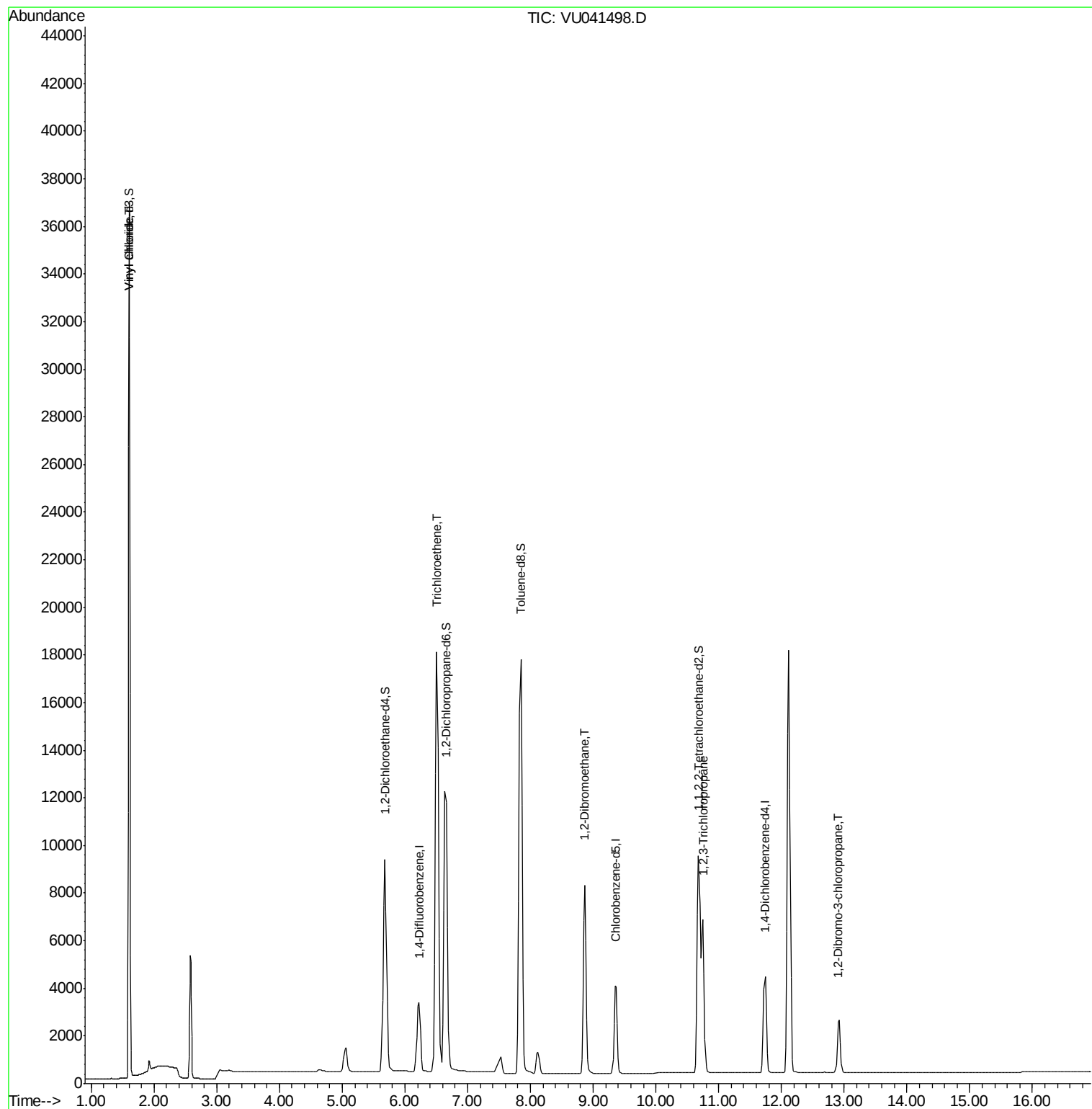
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 3) Vinyl chloride              | 1.61  | 62   | 21088    | 1.883 | ug/L   | 98     |
| 6) Trichloroethene             | 6.51  | 95   | 17360    | 2.107 | ug/L   | 98     |
| 9) 1,2-Dibromoethane           | 8.87  | 107  | 12169    | 2.067 | ug/L # | 99     |
| 12) 1,2,3-Trichloropropane     | 10.75 | 75   | 12030    | 1.814 | ug/L   | 98     |
| 13) 1,2-Dibromo-3-chloropropan | 12.91 | 75   | 2494     | 1.897 | ug/L   | 95     |

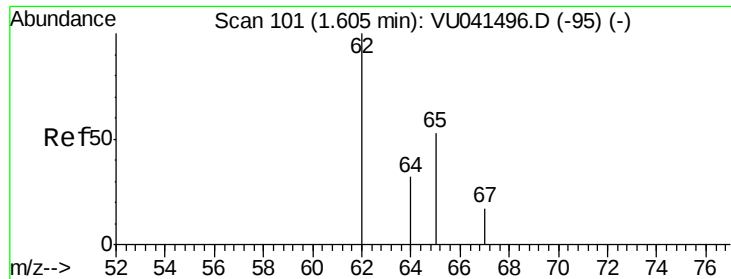
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Dec 09 00:17:39 2020  
Response via : Initial Calibration





#3

Vinyl chloride

Concen: 1.883 ug/L

RT: 1.61 min Scan# 101

Delta R.T. 0.00 min

Lab File: VU041498.D

Acq: 08 Dec 2020 12:37

Instrument :

MSVOA\_U

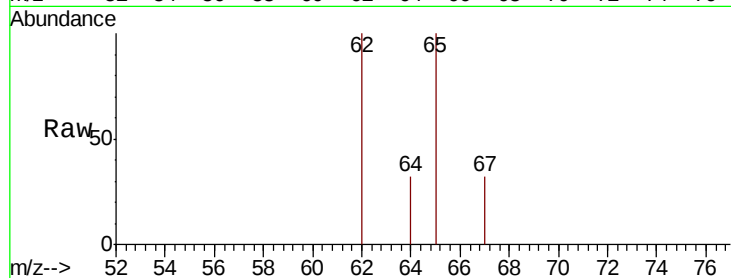
ClientSampleId :

Tot Ion: 62 Resp: 21088

Ion Ratio Lower Upper

62 100

64 32.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU041498.D (-95) (-)

Ion 64.00 (63.70 to 64.70): VU041498.D (-95) (-)

1.61

15000

10000

5000

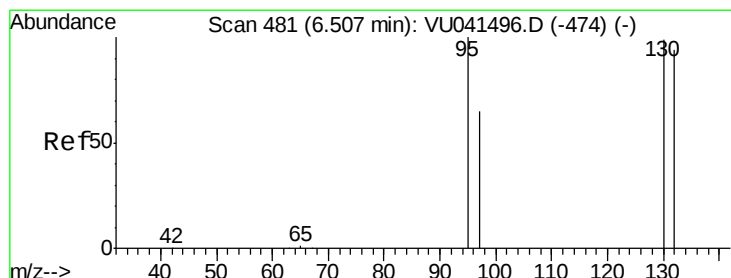
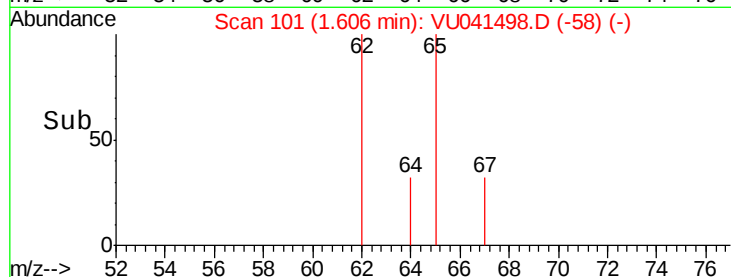
0

Time-->

1.50

1.60

1.70



#6

Trichloroethene

Concen: 2.107 ug/L

RT: 6.51 min Scan# 481

Delta R.T. 0.00 min

Lab File: VU041498.D

Acq: 08 Dec 2020 12:37

Tgt Ion: 95 Resp: 17360

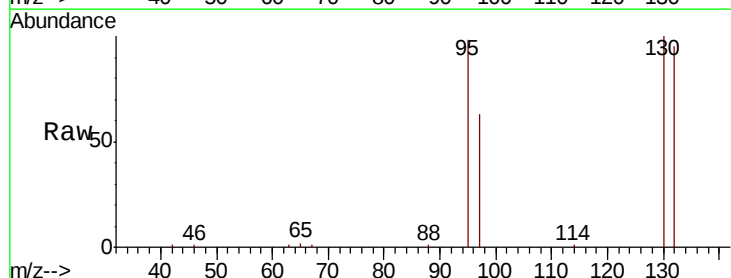
Ion Ratio Lower Upper

95 100

97 64.6 46.2 85.8

132 96.9 66.0 122.6

130 101.8 69.4 128.8



Abundance Ion 95.00 (94.70 to 95.70): VU041498.D (-474) (-)

Ion 97.00 (96.70 to 97.70): VU041498.D (-474) (-)

Ion 132.00 (131.70 to 132.70): VU041498.D (-474) (-)

Ion 130.00 (129.70 to 130.70): VU041498.D (-474) (-)

6.51

6000

4000

2000

0

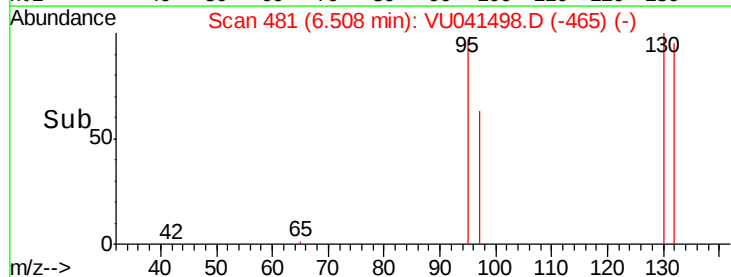
Time-->

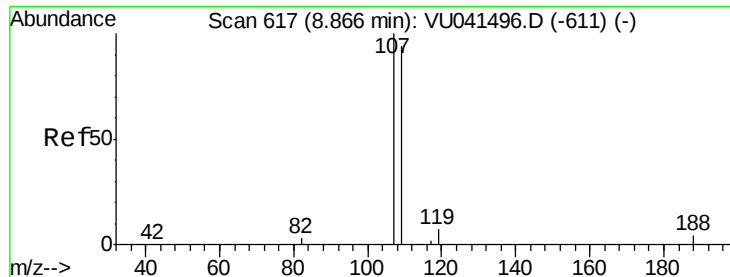
6.40

6.50

6.60

6.80





#9

1,2-Dibromoethane

Concen: 2.067 ug/L

RT: 8.87 min Scan# 617

Delta R.T. 0.00 min

Lab File: VU041498.D

Acq: 08 Dec 2020 12:37

Instrument :

MSVOA\_U

ClientSampleId :

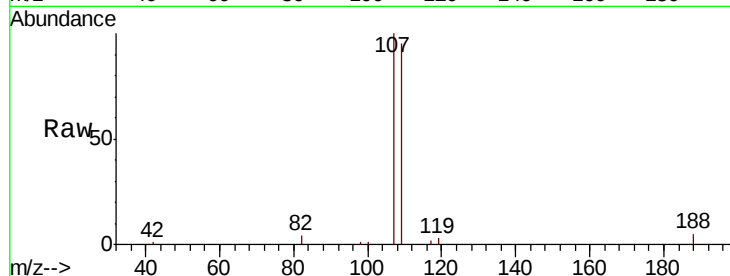
Tot Ion:107 Resp: 12169

Ion Ratio Lower Upper

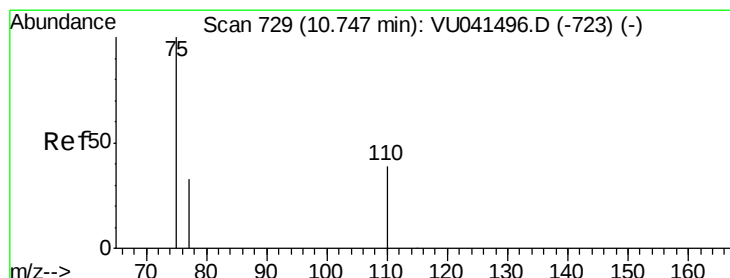
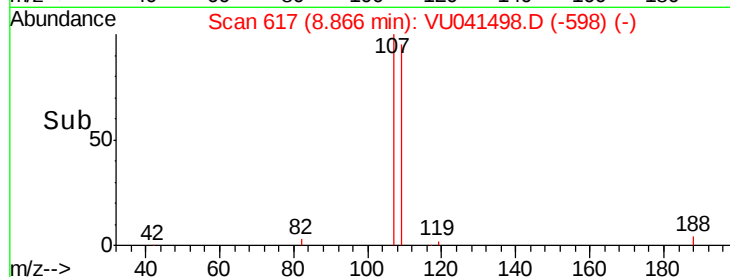
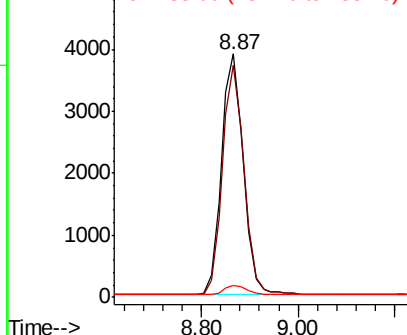
107 100

109 95.3 66.1 122.7

188 5.0 6.3 9.5#



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 188.00 (187.70 to 188.70): V



#12

1,2,3-Trichloropropane

Concen: 1.814 ug/L

RT: 10.75 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU041498.D

Acq: 08 Dec 2020 12:37

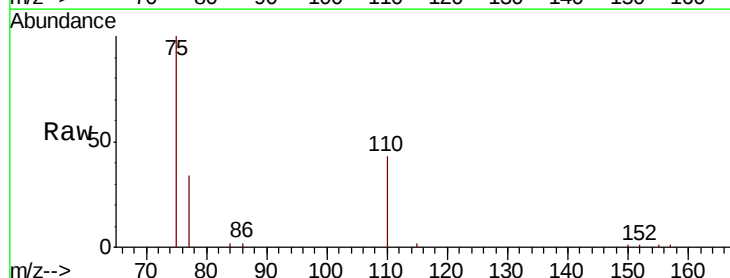
Tgt Ion: 75 Resp: 12030

Ion Ratio Lower Upper

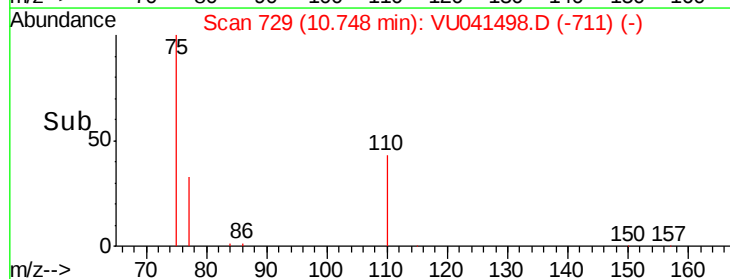
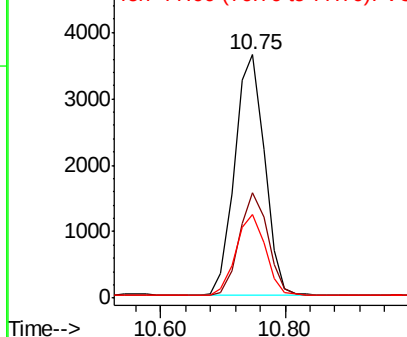
75 100

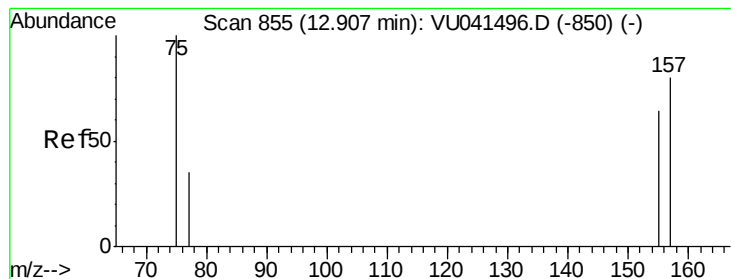
110 41.0 30.7 46.1

77 32.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 110.00 (109.70 to 110.70): V  
Ion 77.00 (76.70 to 77.70): VU0





#13

1,2-Dibromo-3-chloropropane

Concen: 1.897 ug/L

RT: 12.91 min Scan# 855

Delta R.T. 0.00 min

Lab File: VU041498.D

Acq: 08 Dec 2020 12:37

Instrument :

MSVOA\_U

ClientSampleId :

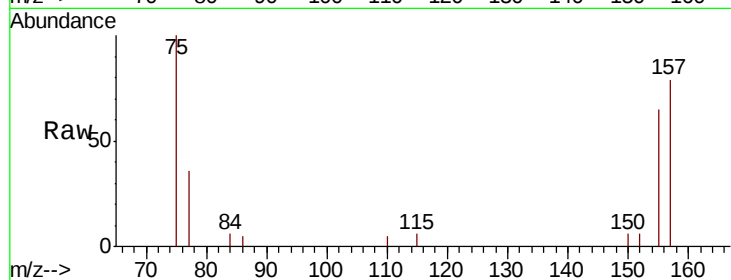
Tot Ion: 75 Resp: 2494

Ion Ratio Lower Upper

75 100

157 79.0 65.8 98.6

155 64.9 56.3 84.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

