

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\  
 Data File : VU040806.D  
 Acq On : 19 Oct 2020 15:41  
 Operator : SY/MD  
 Sample : L4423-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG1B0

Quant Time: Oct 20 01:38:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 20 01:28:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 118651   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 125649   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 52777    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 32290    | 3.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 65.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 31976    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 51920    | 2.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 54.00%# |
| 20) 2-Butanone-d5              | 4.66   | 46    | 176936   | 56.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.48% |
| 24) Chloroform-d               | 5.08   | 84    | 82882    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 51450    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.75   | 84    | 136945   | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 51574    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60%  |
| 41) Toluene-d8                 | 7.91   | 98    | 104753   | 3.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 69.00%# |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19374    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 120513   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.14%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 49486    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 49036    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

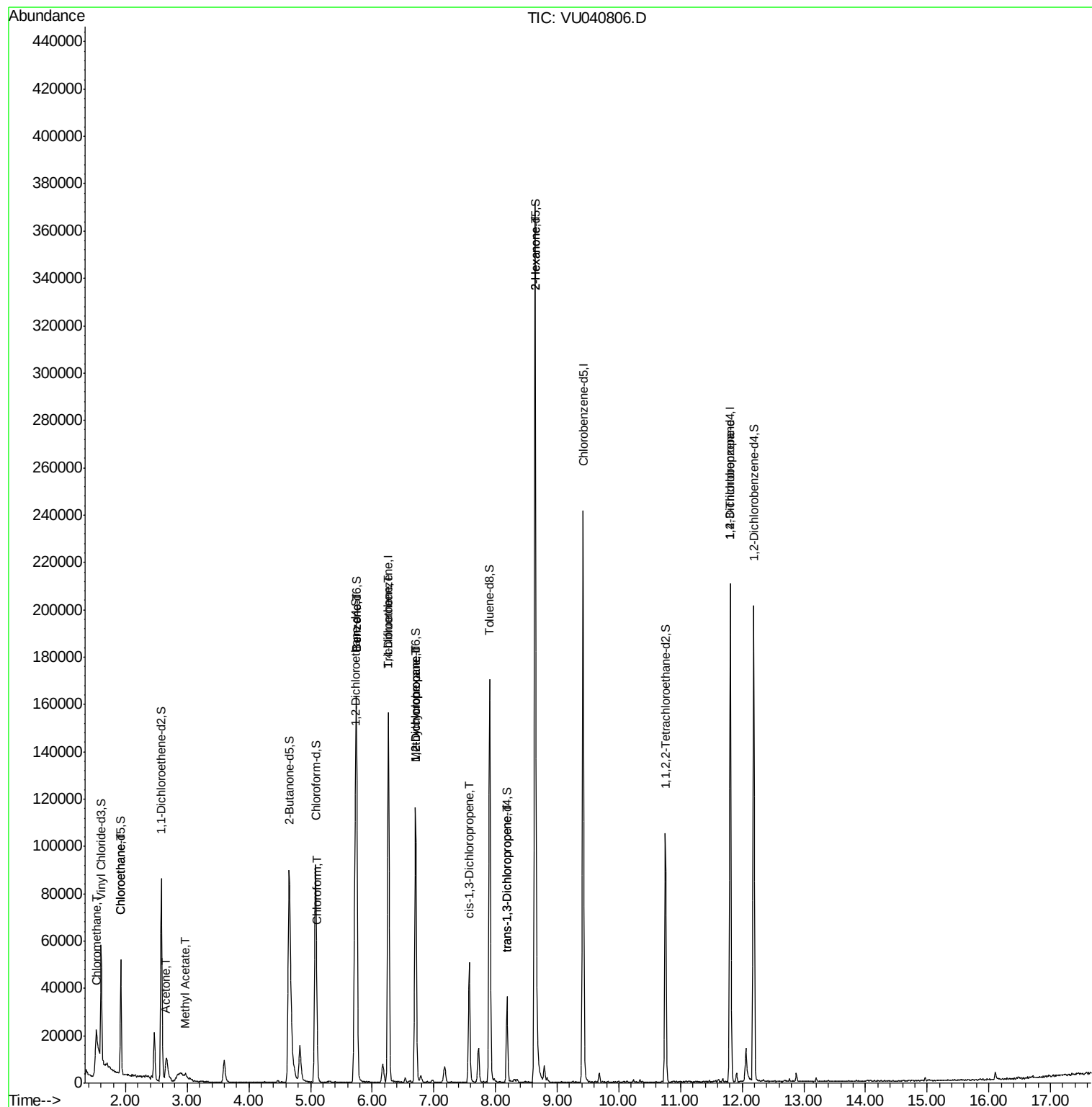
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 3) Chloromethane              | 1.53  | 50   | 4403     | 0.438 | ug/L   | 93     |
| 8) Chloroethane               | 1.94  | 64   | 217      | 0.032 | ug/L # | 41     |
| 13) Acetone                   | 2.66  | 43   | 20561    | 8.431 | ug/L   | 93     |
| 15) Methyl Acetate            | 2.97  | 43   | 1043     | 0.187 | ug/L # | 56     |
| 25) Chloroform                | 5.11  | 83   | 2689     | 0.144 | ug/L   | 97     |
| 33) Benzene                   | 5.75  | 78   | 1033     | 0.026 | ug/L   | 100    |
| 34) Trichloroethene           | 6.26  | 95   | 1978     | 0.189 | ug/L # | 5      |
| 35) Methylcyclohexane         | 6.70  | 83   | 12441    | 0.838 | ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 5738     | 0.510 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75   | 1283     | 0.083 | ug/L # | 60     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 1086     | 0.077 | ug/L # | 77     |
| 48) 2-Hexanone                | 8.64  | 43   | 18608    | 2.787 | ug/L # | 67     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 7012     | 0.849 | ug/L   | 90     |

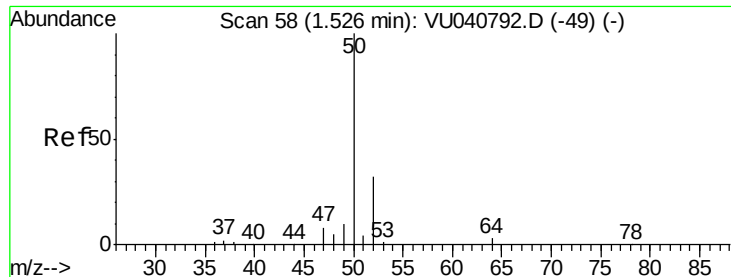
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101920\  
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Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Oct 20 01:38:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 20 01:28:45 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.438 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040806.D

Acq: 19 Oct 2020 15:41

Instrument :

MSVOA\_U

ClientSampleId :

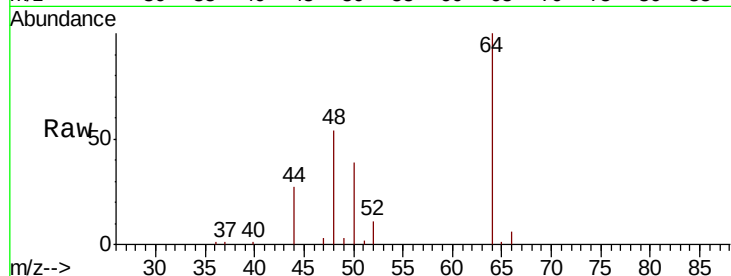
BG1B0

Tot Ion: 50 Resp: 4403

Ion Ratio Lower Upper

50 100

52 27.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

4000

3000

2000

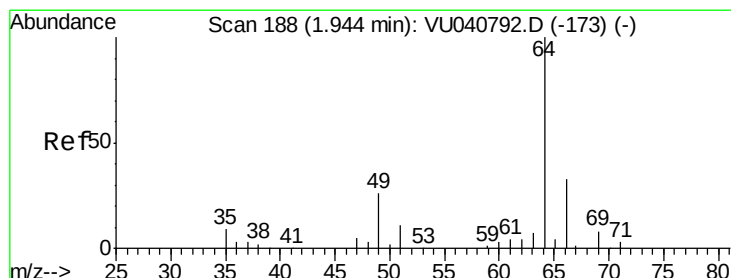
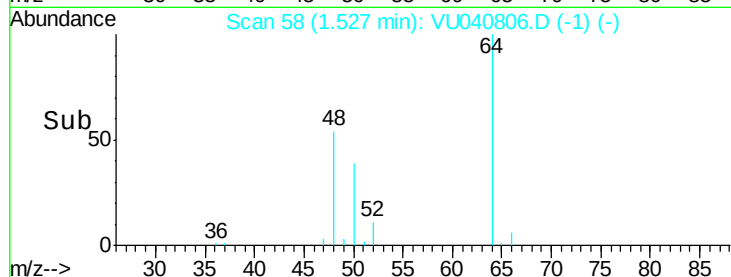
1000

0

Time-->

1.50

1.55



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040806.D

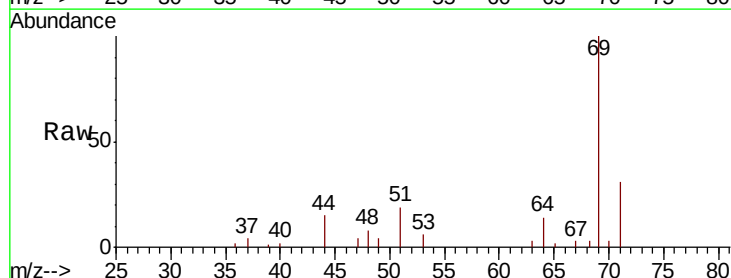
Acq: 19 Oct 2020 15:41

Tgt Ion: 64 Resp: 217

Ion Ratio Lower Upper

64 100

66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

1500

1000

500

0

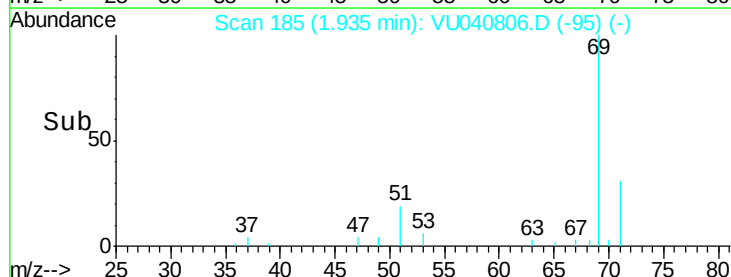
Time-->

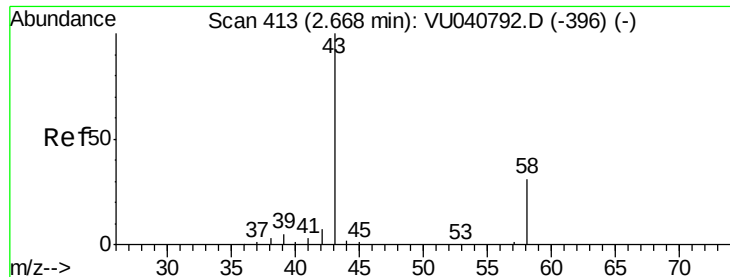
1.92

1.93

1.94

1.95





#13

Acetone

Concen: 8.431 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU040806.D

Acq: 19 Oct 2020 15:41

Instrument :

MSVOA\_U

ClientSampleId :

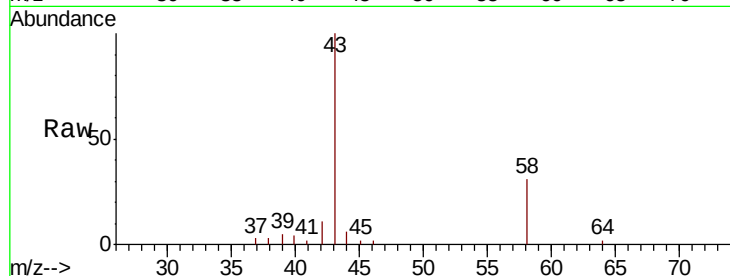
BG1B0

Tot Ion: 43 Resp: 20561

Ion Ratio Lower Upper

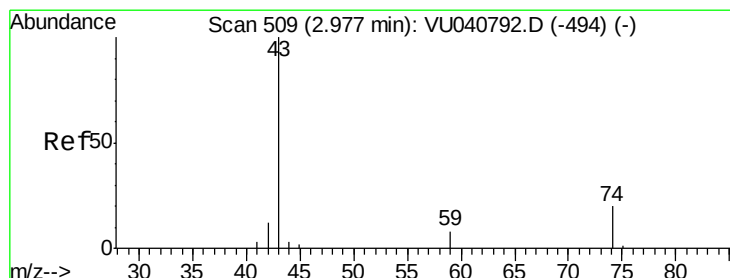
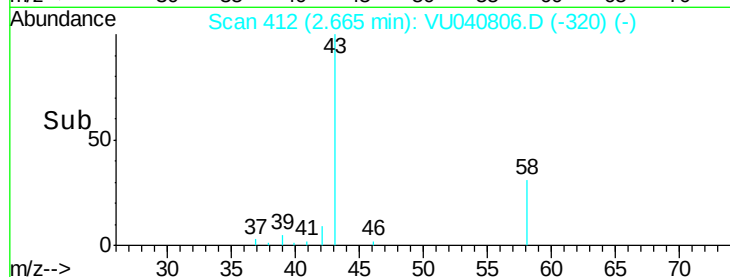
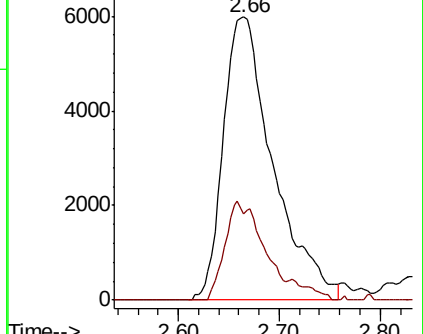
43 100

58 26.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.187 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU040806.D

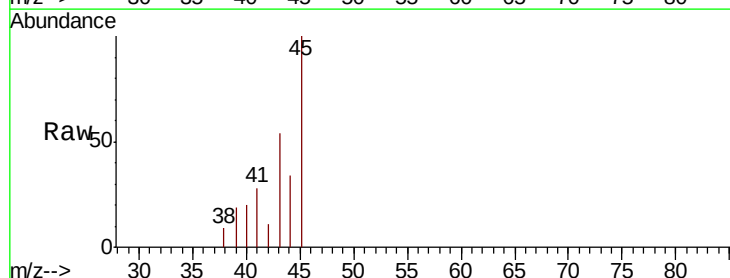
Acq: 19 Oct 2020 15:41

Tgt Ion: 43 Resp: 1043

Ion Ratio Lower Upper

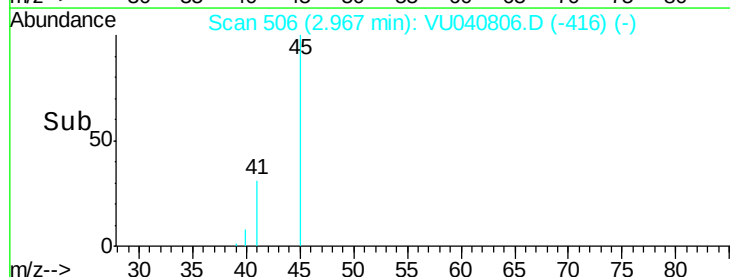
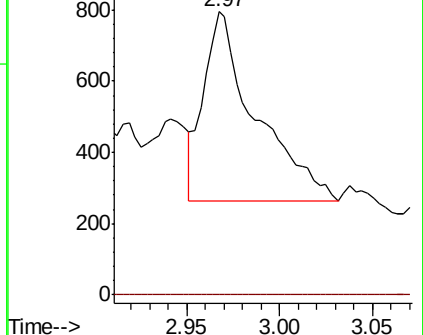
43 100

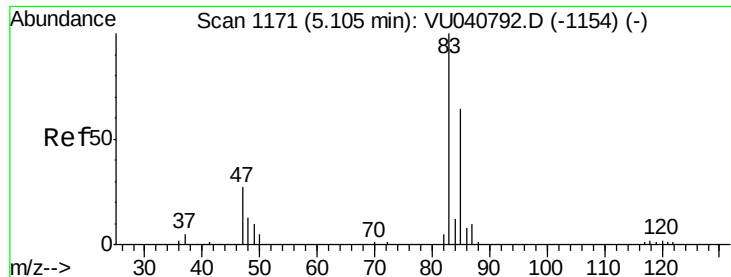
74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

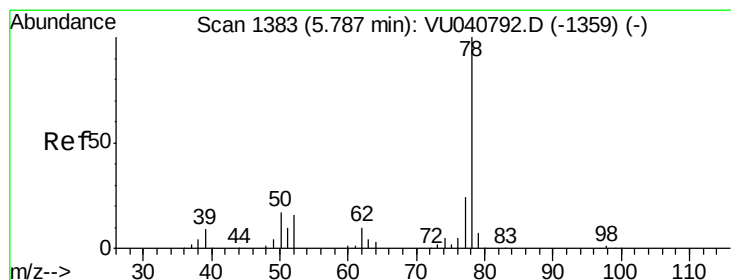
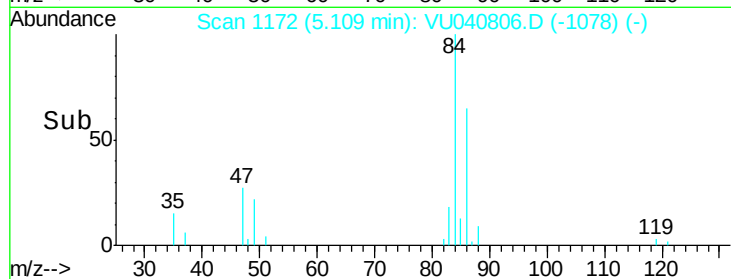
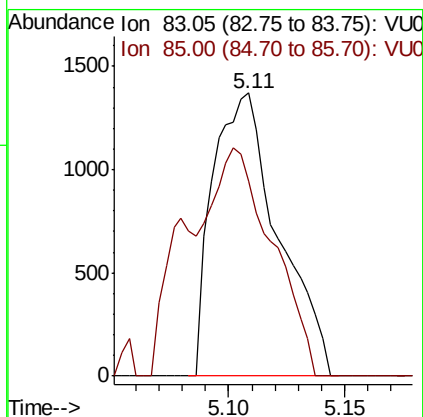
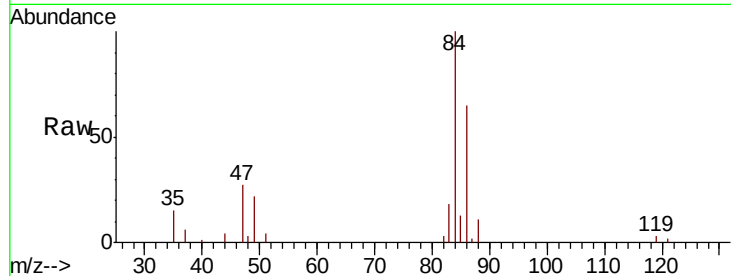




#25  
Chloroform  
Concen: 0.144 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU040806.D  
Acq: 19 Oct 2020 15:41

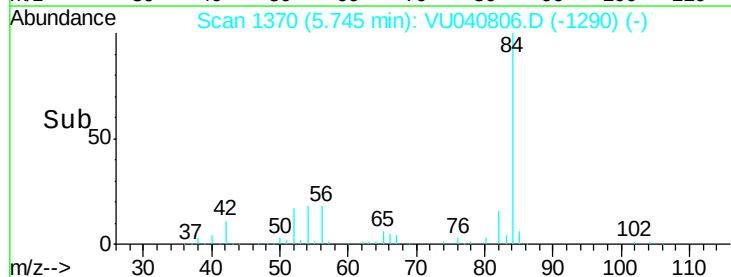
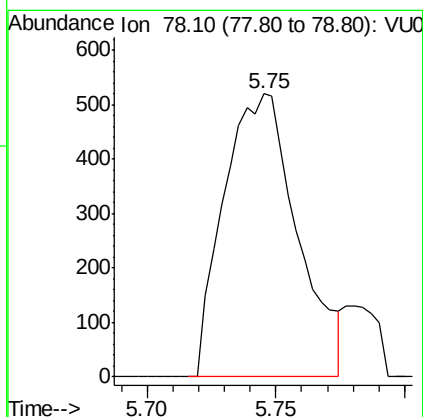
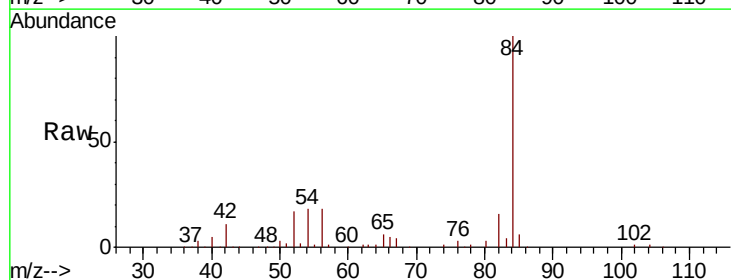
Instrument :  
MSVOA\_U  
ClientSampleId :  
BG1B0

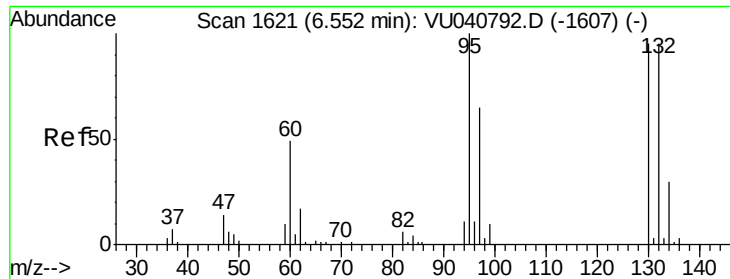
Tot Ion: 83 Resp: 2689  
Ion Ratio Lower Upper  
83 100  
85 69.0 46.5 86.5



#33  
Benzene  
Concen: 0.026 ug/L  
RT: 5.75 min Scan# 1370  
Delta R.T. -0.04 min  
Lab File: VU040806.D  
Acq: 19 Oct 2020 15:41

Tgt Ion: 78 Resp: 1033

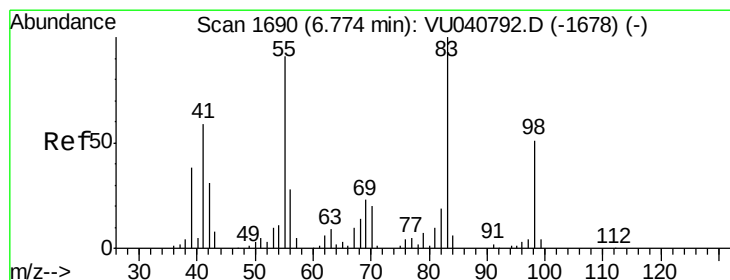
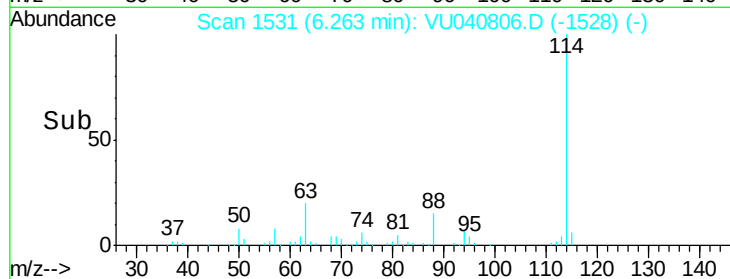
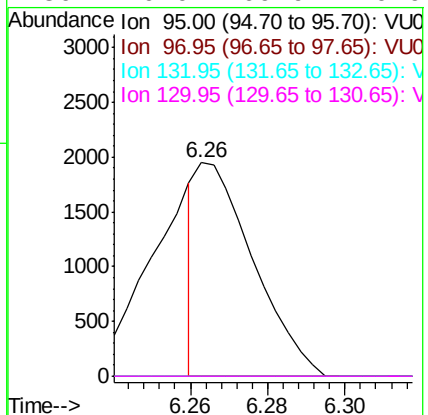
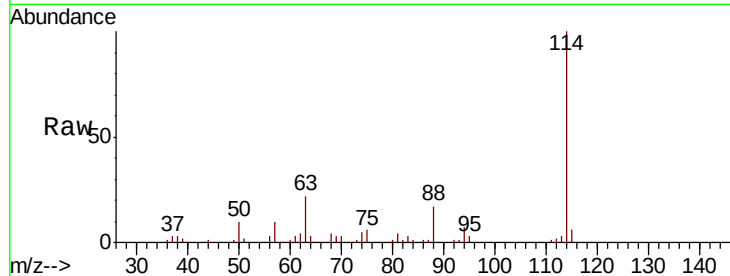




#34  
 Trichloroethene  
 Concen: 0.189 ug/L  
 RT: 6.26 min Scan# 1531  
 Delta R.T. -0.29 min  
 Lab File: VU040806.D  
 Acq: 19 Oct 2020 15:41

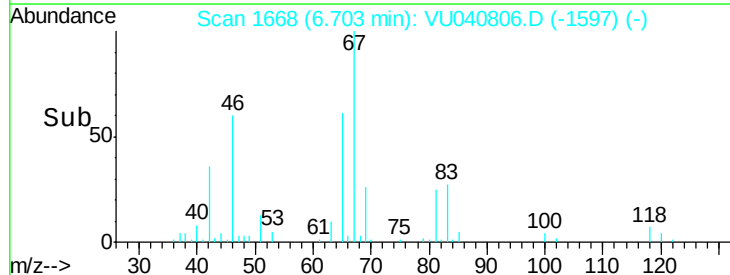
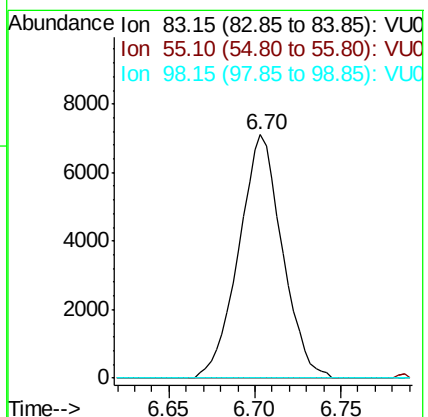
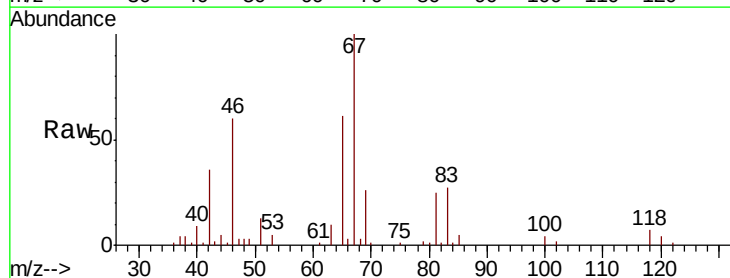
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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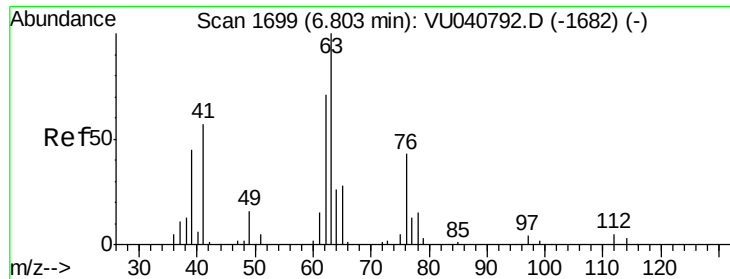
Tot Ion: 95 Resp: 1978  
 Ion Ratio Lower Upper  
 95 100  
 97 0.0 45.5 84.5#  
 132 0.0 67.5 125.4#  
 130 0.0 69.9 129.9#



#35  
 Methylcyclohexane  
 Concen: 0.838 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.07 min  
 Lab File: VU040806.D  
 Acq: 19 Oct 2020 15:41

Tgt Ion: 83 Resp: 12441  
 Ion Ratio Lower Upper  
 83 100  
 55 0.3 70.7 106.1#  
 98 0.0 38.4 57.6#

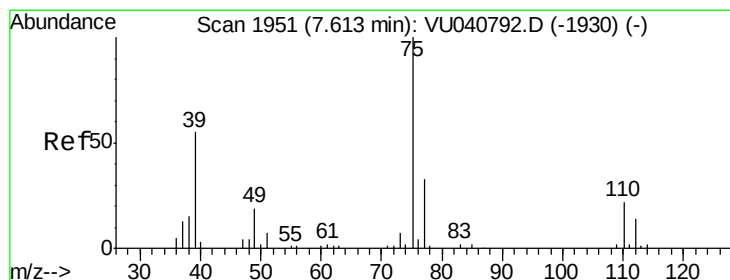
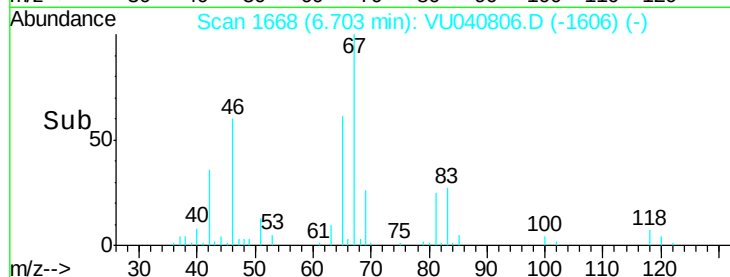
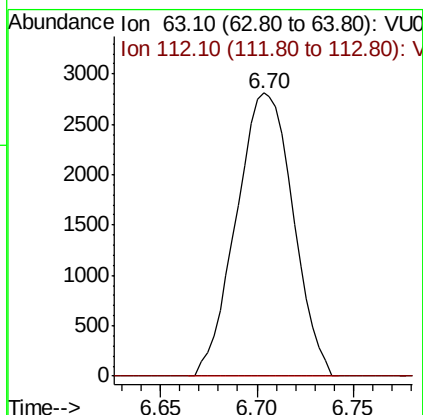
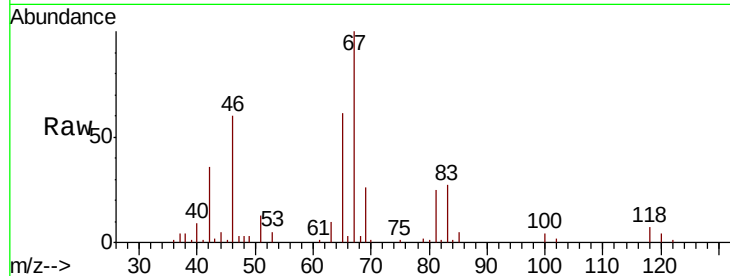




#37  
 1,2-Dichloropropane  
 Concen: 0.510 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU040806.D  
 Acq: 19 Oct 2020 15:41

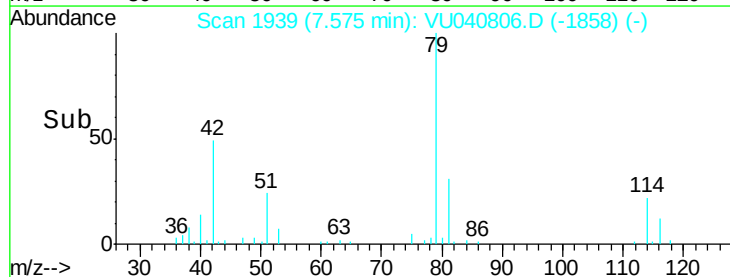
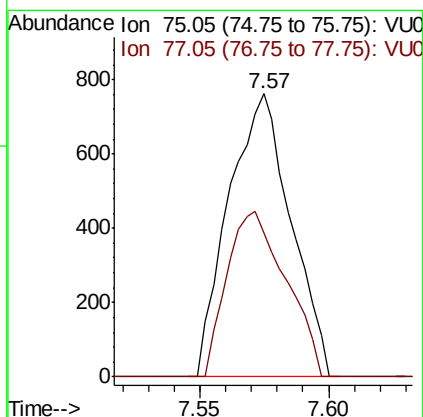
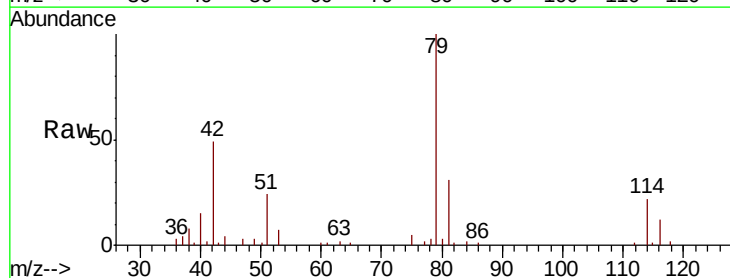
Instrument :  
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 ClientSampleId :  
 BG1B0

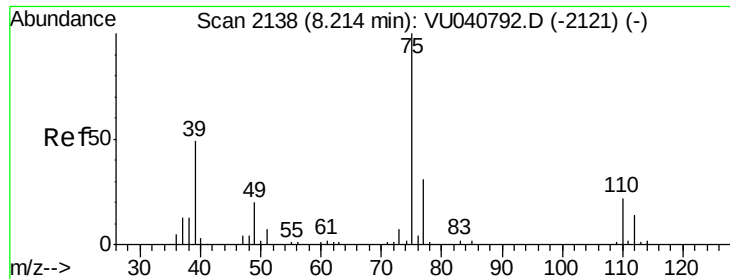
Tot Ion: 63 Resp: 5738  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.083 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU040806.D  
 Acq: 19 Oct 2020 15:41

Tgt Ion: 75 Resp: 1283  
 Ion Ratio Lower Upper  
 75 100  
 77 50.8 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040806.D

Acq: 19 Oct 2020 15:41

Instrument :

MSVOA\_U

ClientSampleId :

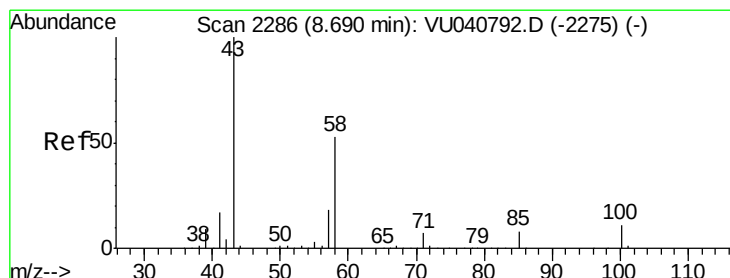
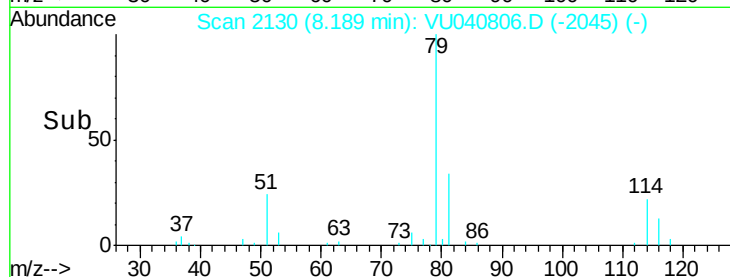
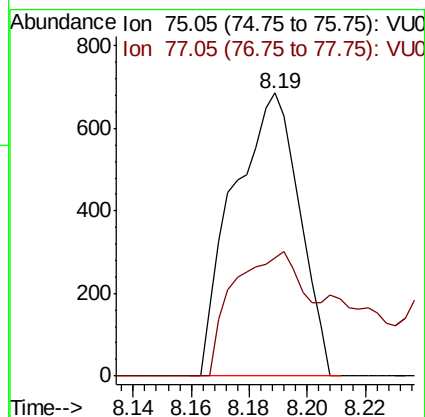
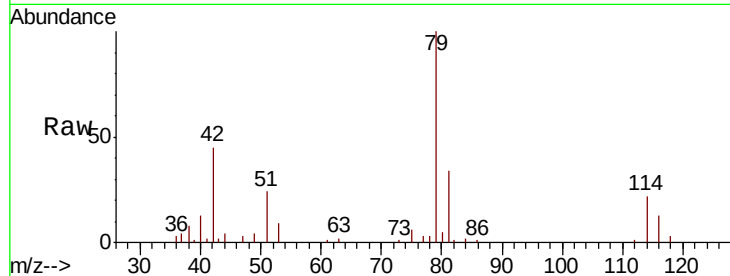
BG1B0

Tot Ion: 75 Resp: 1086

Ion Ratio Lower Upper

75 100

77 41.7 20.4 38.0#



#48

2-Hexanone

Concen: 2.787 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040806.D

Acq: 19 Oct 2020 15:41

Tgt Ion: 43 Resp: 18608

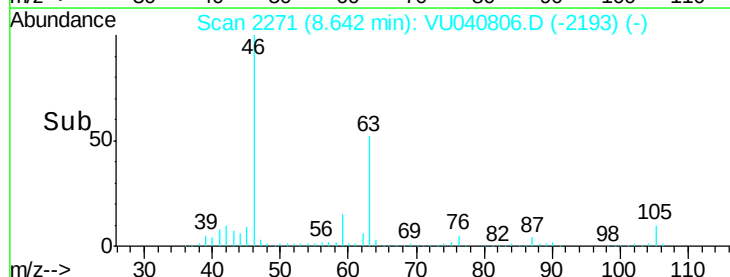
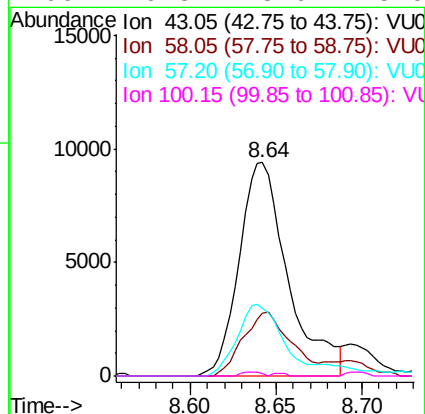
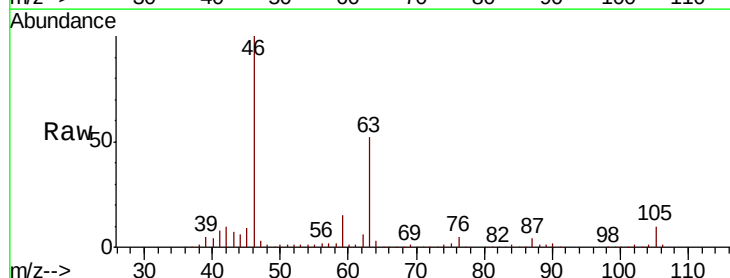
Ion Ratio Lower Upper

43 100

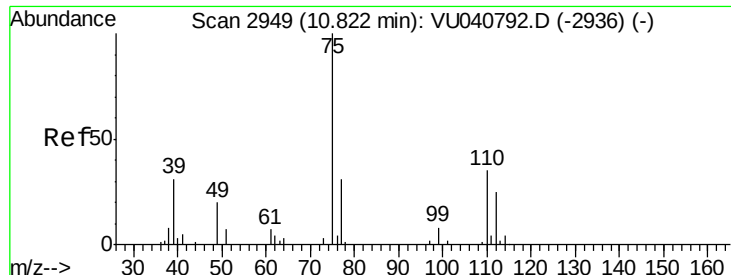
58 29.0 41.0 61.6#

57 35.6 14.4 21.6#

100 0.8 8.6 13.0#







#59

1,2,3-Trichloropropane

Concen: 0.849 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040806.D

Acq: 19 Oct 2020 15:41

Instrument :

MSVOA\_U

ClientSampleId :

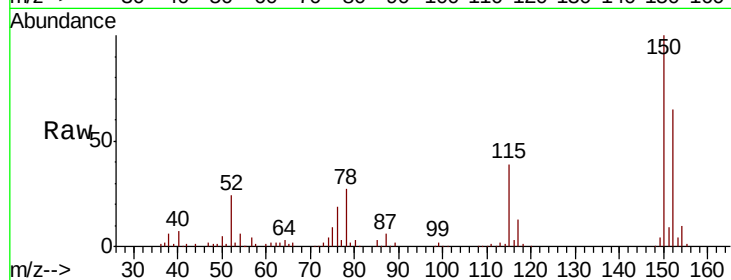
BG1B0

Tot Ion: 75 Resp: 7012

Ion Ratio Lower Upper

75 100

77 38.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

