

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082520\  
 Data File : VV018095.D  
 Acq On : 25 Aug 2020 17:36  
 Operator : SY/MD  
 Sample : L3800-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3H2

Quant Time: Aug 26 02:13:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 26 02:11:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 253650   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 252931   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 122064   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 88042    | 45.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.98%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 78711    | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 133458   | 36.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.10%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 121838   | 96.12    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.12%  |
| 24) Chloroform-d               | 4.38    | 84    | 163734   | 46.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 114764   | 50.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.30% |
| 32) Benzene-d6                 | 5.07    | 84    | 336712   | 48.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 110651   | 48.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.10%  |
| 41) Toluene-d8                 | 7.34    | 98    | 294842   | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.06%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50109    | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.96%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 62541    | 85.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 137498   | 46.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 124952   | 52.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.02% |

## Target Compounds

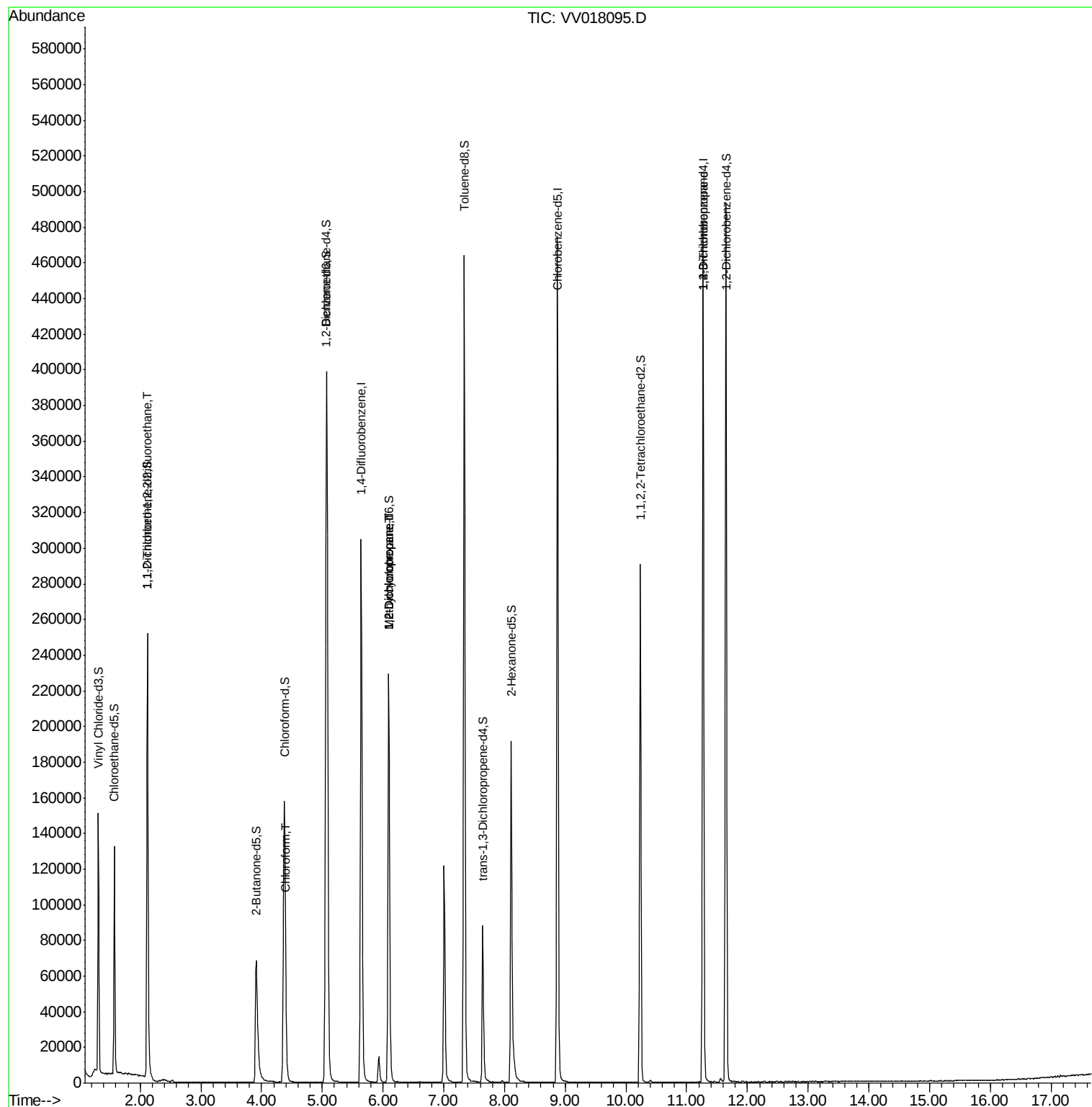
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1211  | 0.674 ug/L # | 20     |
| 25) Chloroform                 | 4.41  | 83  | 7421  | 2.069 ug/L   | 98     |
| 35) Methylcyclohexane          | 6.09  | 83  | 26248 | 8.534 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 12001 | 5.624 ug/L # | 87     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 14099 | 5.350 ug/L # | 88     |

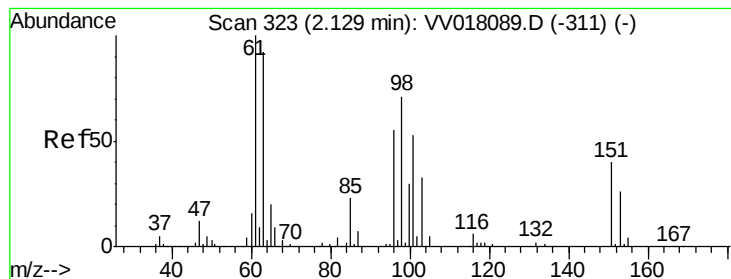
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082520\  
Data File : VV018095.D  
Acq On : 25 Aug 2020 17:36  
Operator : SY/MD  
Sample : L3800-03  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3H2

Quant Time: Aug 26 02:13:31 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Aug 26 02:11:17 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.674 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018095.D

Acq: 25 Aug 2020 17:36

Instrument :

MSVOA\_V

ClientSampleId :

BG3H2

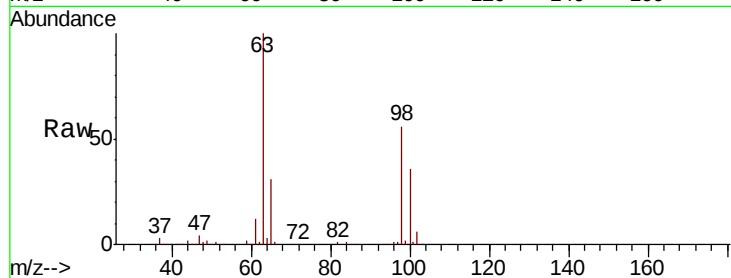
Tot Ion:101 Resp: 1211

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

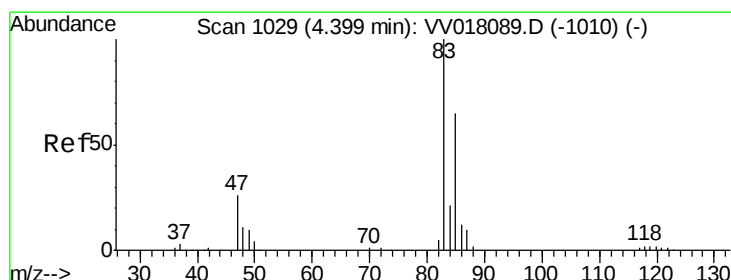
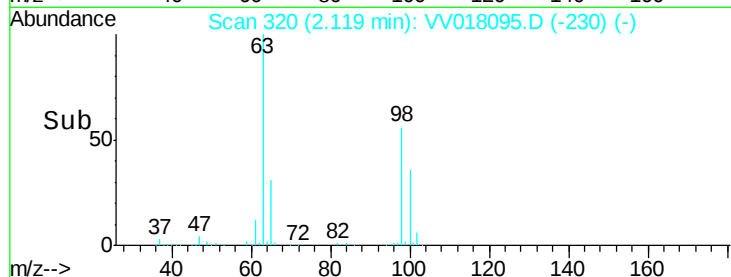
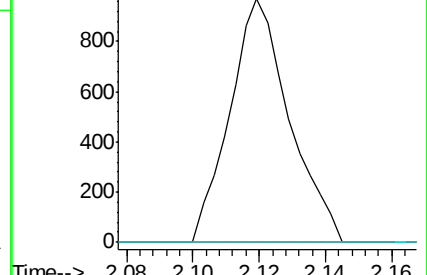
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 2.069 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018095.D

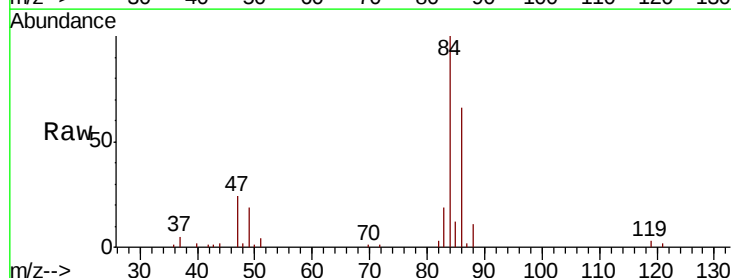
Acq: 25 Aug 2020 17:36

Tgt Ion: 83 Resp: 7421

Ion Ratio Lower Upper

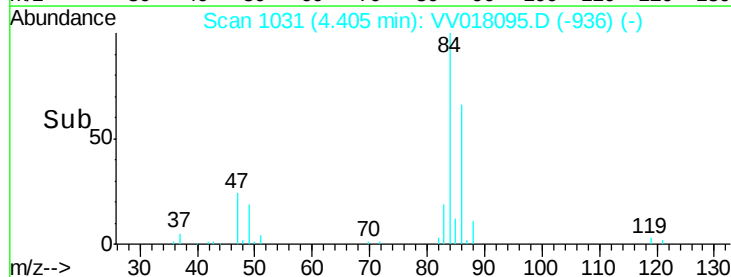
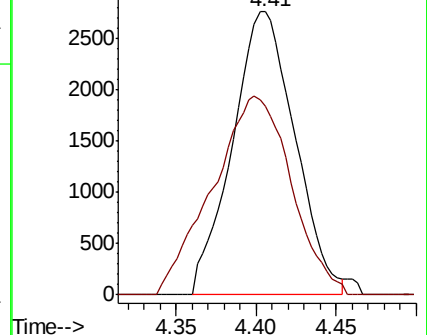
83 100

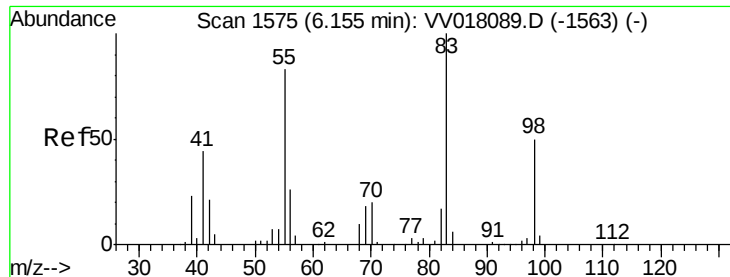
85 66.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

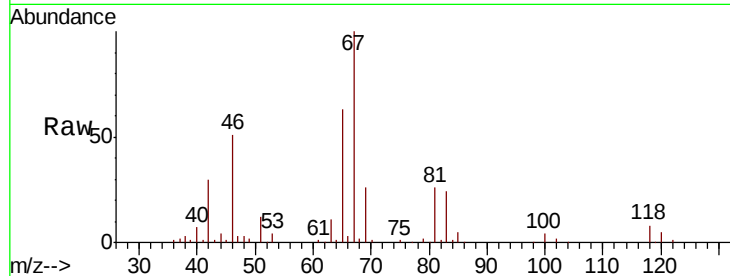




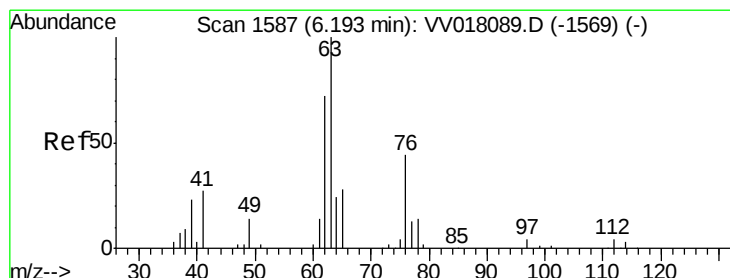
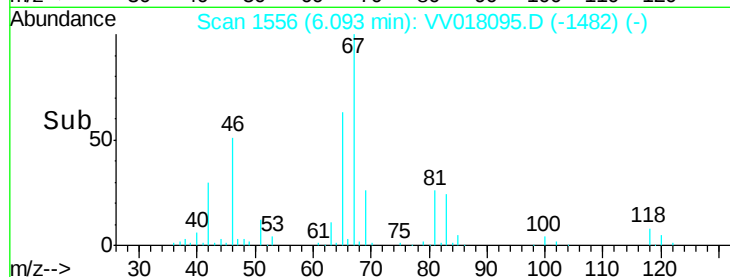
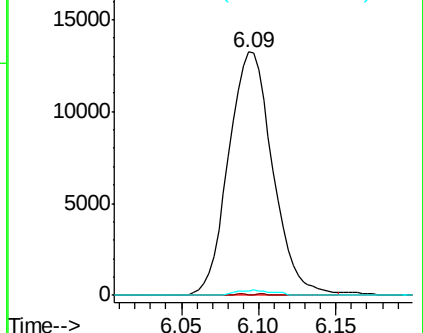
#35  
Methvlcvclohexane  
Concen: 8.534 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV018095.D  
Acq: 25 Aug 2020 17:36

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3H2

Tot Ion: 83 Resp: 26248  
Ion Ratio Lower Upper  
83 100  
55 0.2 64.9 97.3#  
98 1.7 38.7 58.1#

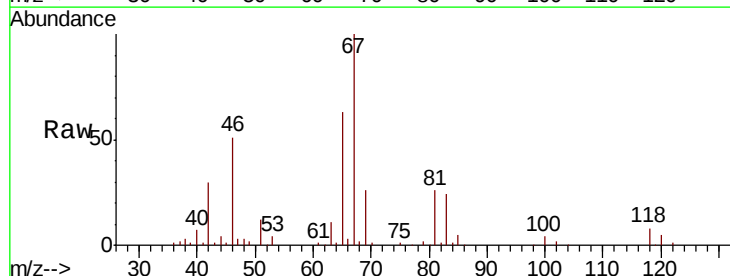


Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

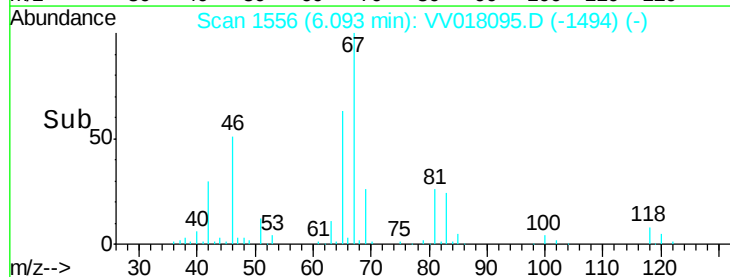
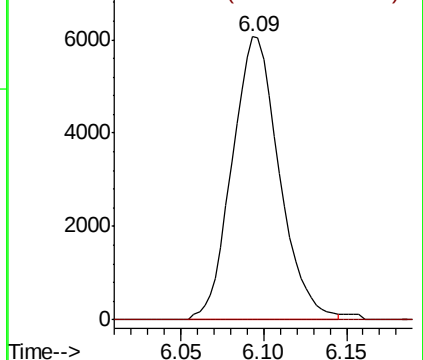


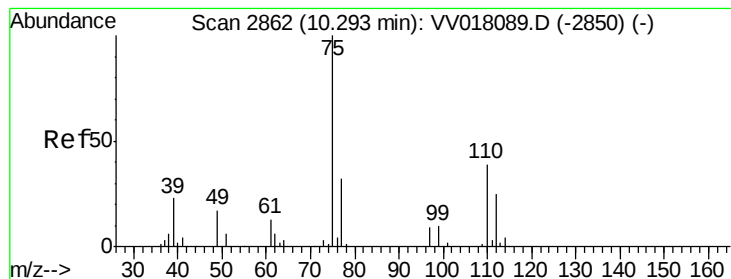
#37  
1,2-Dichloropropane  
Concen: 5.624 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.10 min  
Lab File: VV018095.D  
Acq: 25 Aug 2020 17:36

Tgt Ion: 63 Resp: 12001  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0  
Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.350 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018095.D

Acq: 25 Aug 2020 17:36

Instrument :

MSVOA\_V

ClientSampleId :

BG3H2

Tot Ion: 75 Resp: 14099

Ion Ratio Lower Upper

75 100

77 38.6 25.7 38.5#

