

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV063020\  
 Data File : VV017268.D  
 Acq On : 30 Jun 2020 18:22  
 Operator : SY/MD  
 Sample : L3168-06  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 01 06:05:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 01 06:00:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 171789   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 161971   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 80213    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 47400    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 39844    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 69463    | 3.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.80%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 124723   | 47.46    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.92%  |
| 24) Chloroform-d               | 4.38   | 84    | 109944   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 60586    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60% |
| 32) Benzene-d6                 | 5.08   | 84    | 197430   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 58227    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.60%  |
| 41) Toluene-d8                 | 7.34   | 98    | 173967   | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.20%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 23926    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 91647    | 45.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.82%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 42852    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.60% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 73789    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.60%  |

## Target Compounds

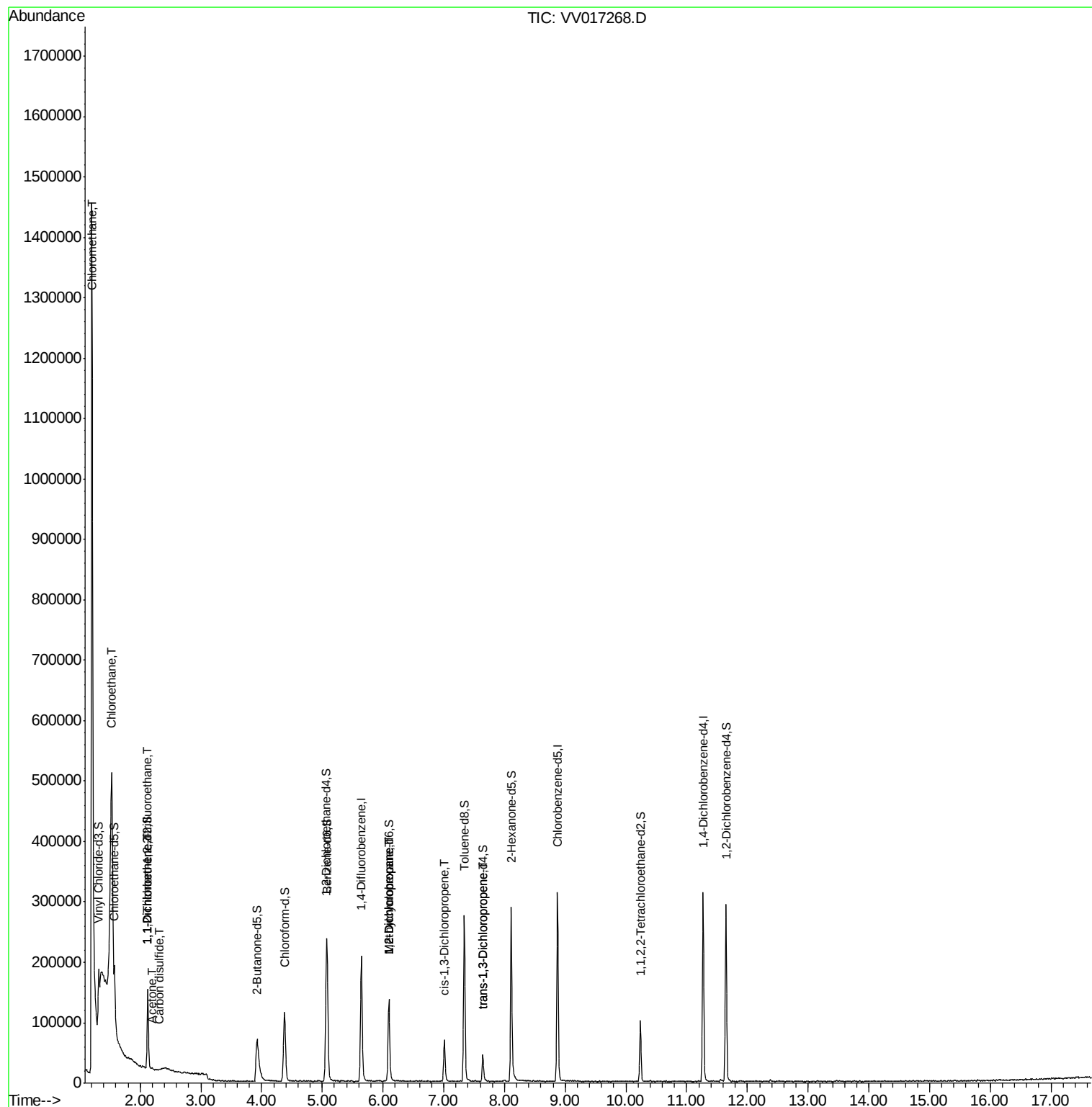
|                                |      |     |         |                | Ovalue |
|--------------------------------|------|-----|---------|----------------|--------|
| 3) Chloromethane               | 1.21 | 50  | 39681   | 3.415 ug/L #   | 43     |
| 8) Chloroethane                | 1.53 | 64  | 1113625 | 178.756 ug/L # | 51     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 654     | 0.072 ug/L #   | 21     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 689     | 0.084 ug/L #   | 1      |
| 13) Acetone                    | 2.20 | 43  | 3522    | 2.651 ug/L     | 69     |
| 14) Carbon disulfide           | 2.31 | 76  | 1159    | 0.047 ug/L #   | 81     |
| 35) Methylcyclohexane          | 6.10 | 83  | 15524   | 0.804 ug/L #   | 20     |
| 37) 1,2-Dichloropropane        | 6.09 | 63  | 8159    | 0.777 ug/L #   | 86     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75  | 2048    | 0.131 ug/L #   | 63     |
| 46) trans-1,3-Dichloropropene  | 7.65 | 75  | 1344    | 0.100 ug/L #   | 80     |

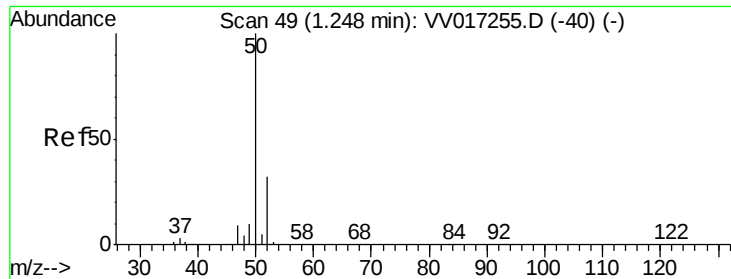
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jul 01 06:05:03 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 01 06:00:36 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 3.415 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.04 min

Lab File: VV017268.D

Acq: 30 Jun 2020 18:22

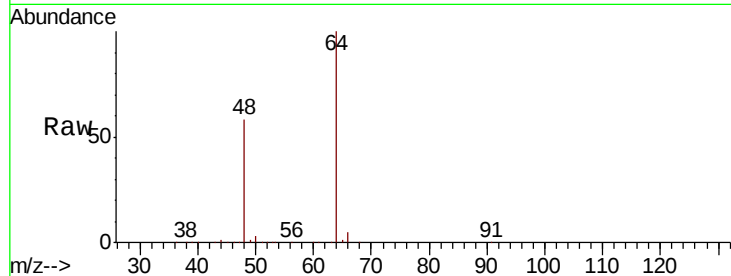
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 50 Resp: 39681

Ion Ratio Lower Upper

50 100

52 0.6 22.5 41.9#



Abundance Ion 50.05 (49.75 to 50.75): VV017255.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017255.D (-40) (-)

1.21

25000

20000

15000

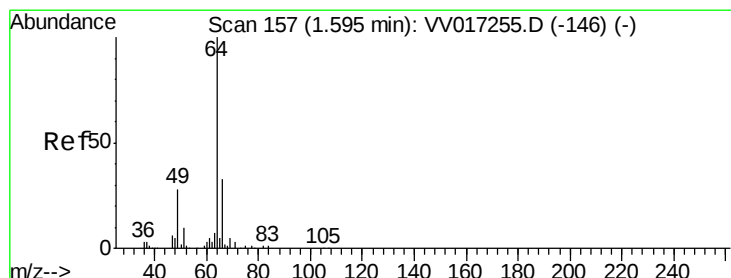
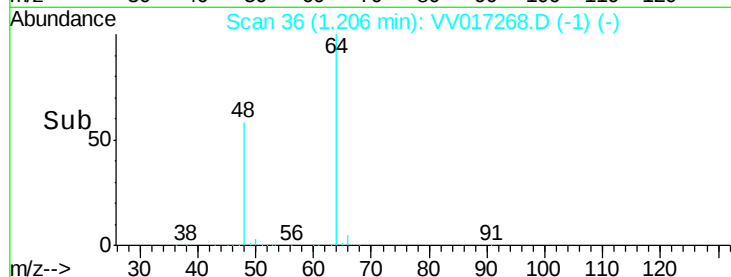
10000

5000

0

Time-->

1.15 1.20 1.25 1.30



#8

Chloroethane

Concen: 178.756 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.06 min

Lab File: VV017268.D

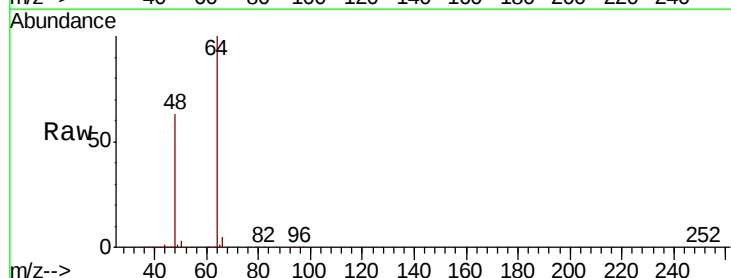
Acq: 30 Jun 2020 18:22

Tgt Ion: 64 Resp: 1113625

Ion Ratio Lower Upper

64 100

66 4.8 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV017255.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV017255.D (-146) (-)

1.53

300000

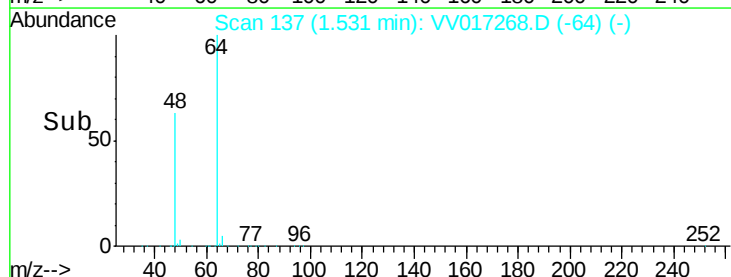
200000

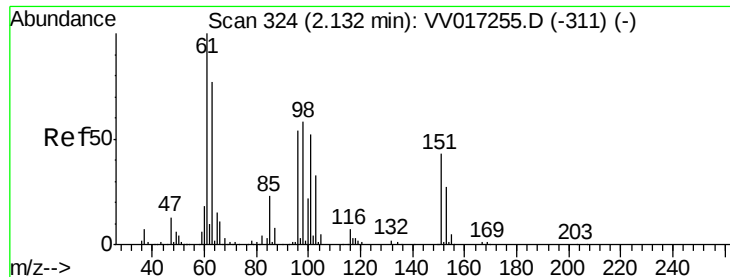
100000

0

Time-->

1.40 1.60 1.80





#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017268.D

Acq: 30 Jun 2020 18:22

Instrument :

MSVOA\_V

ClientSampleId :

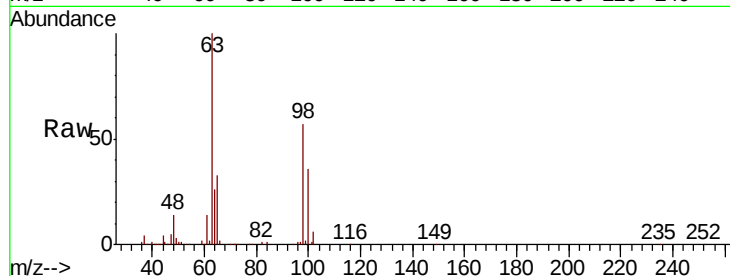
Tot Ion:101 Resp: 654

Ion Ratio Lower Upper

101 100

85 6.6 35.4 53.2#

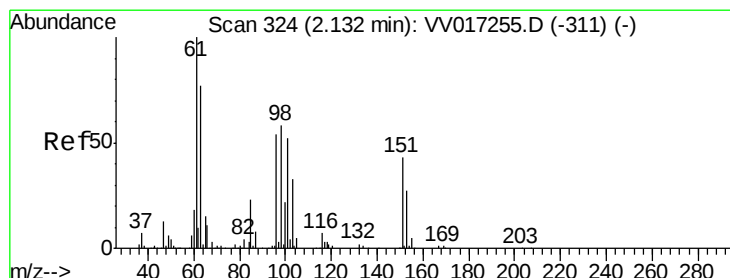
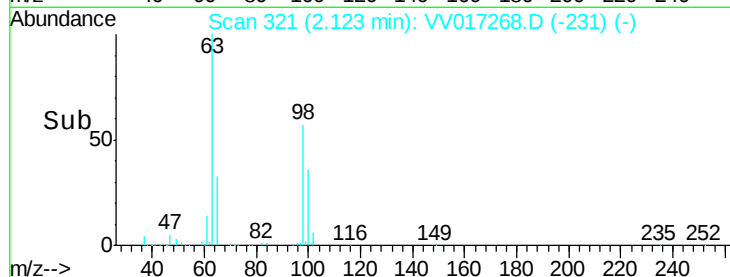
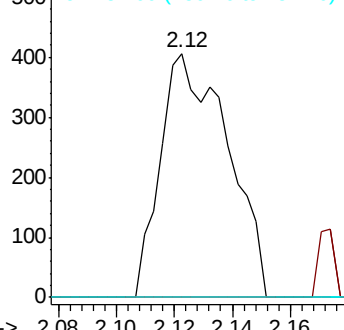
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017268.D

Acq: 30 Jun 2020 18:22

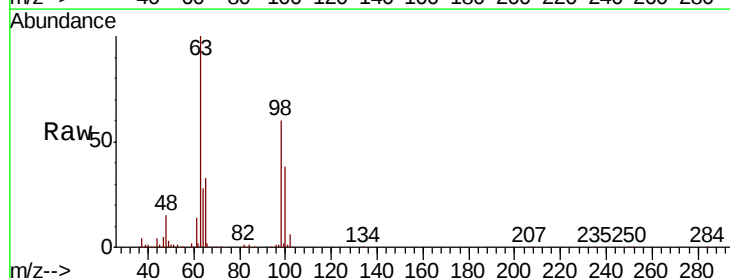
Tgt Ion: 96 Resp: 689

Ion Ratio Lower Upper

96 100

61 1458.1 125.0 232.2#

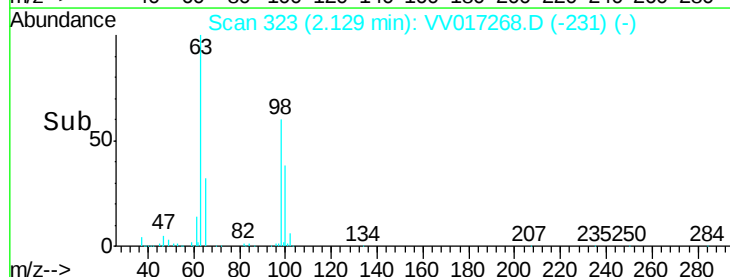
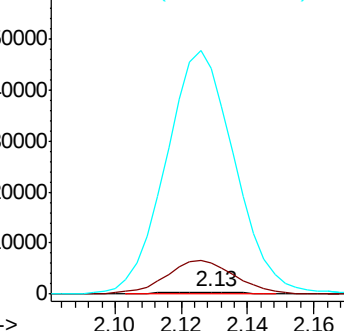
63 10591.4 109.8 203.8#

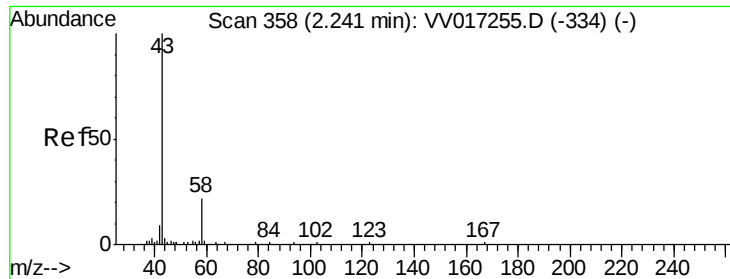


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.651 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.04 min

Lab File: VV017268.D

Acq: 30 Jun 2020 18:22

Instrument :

MSVOA\_V

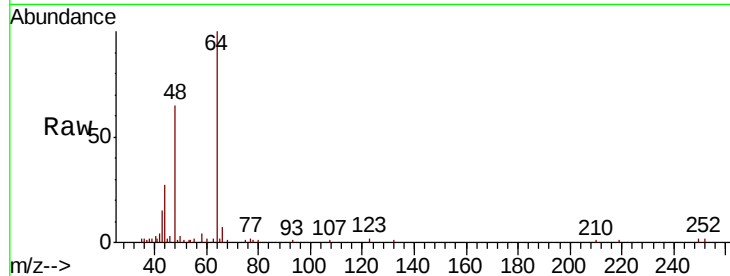
ClientSampled :

Tot Ion: 43 Resp: 3522

Ion Ratio Lower Upper

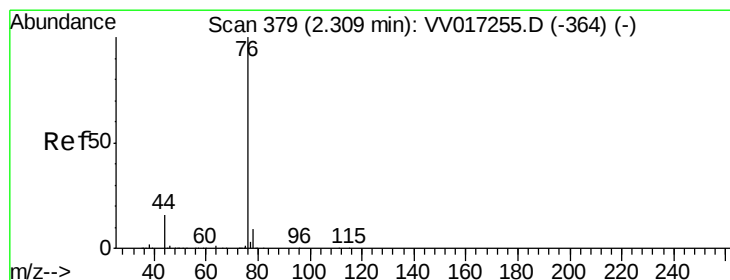
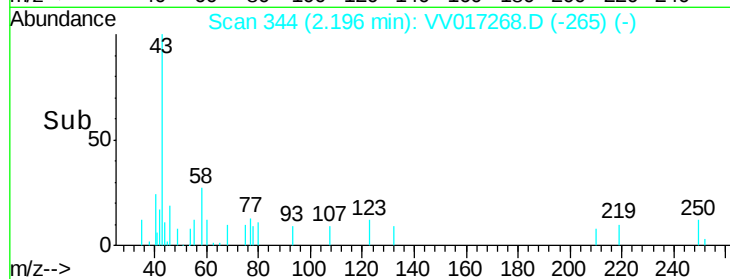
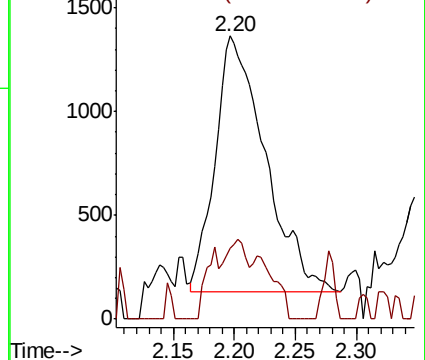
43 100

58 12.6 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.047 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017268.D

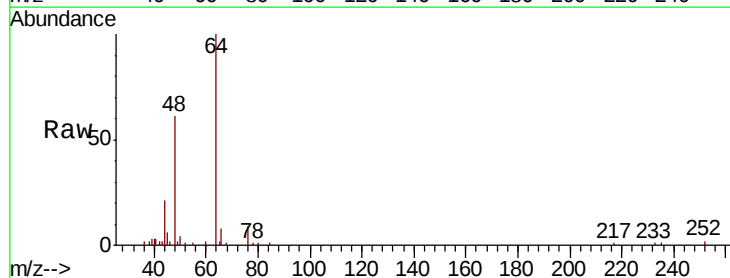
Acq: 30 Jun 2020 18:22

Tgt Ion: 76 Resp: 1159

Ion Ratio Lower Upper

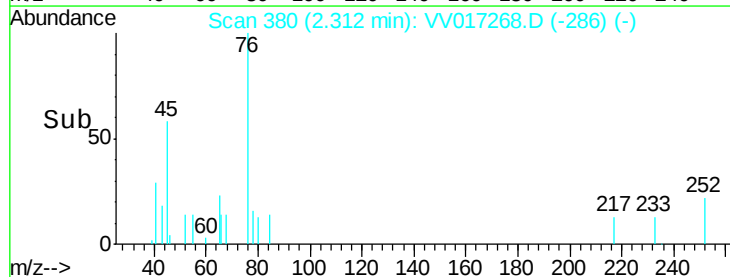
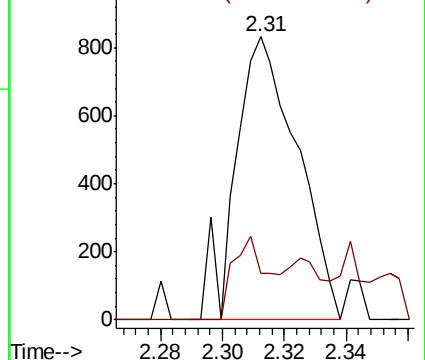
76 100

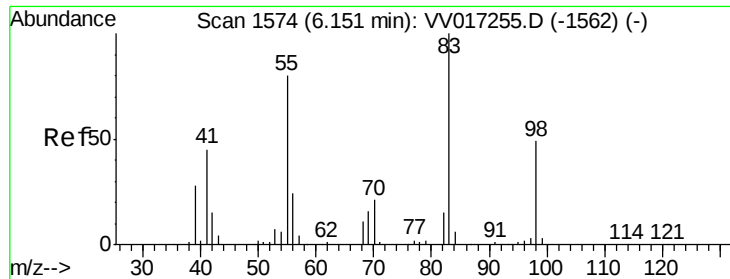
78 16.5 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

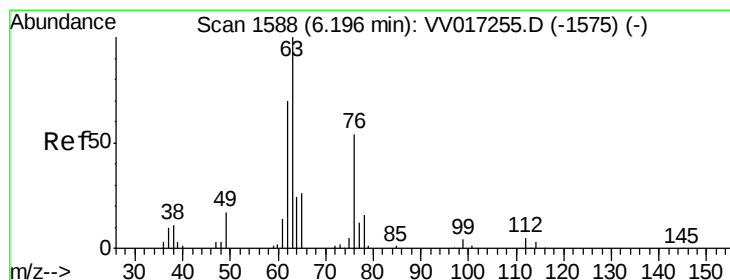
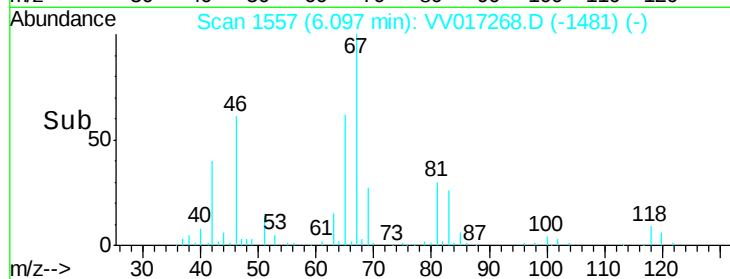
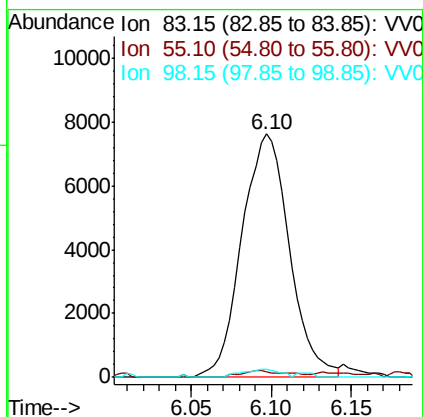
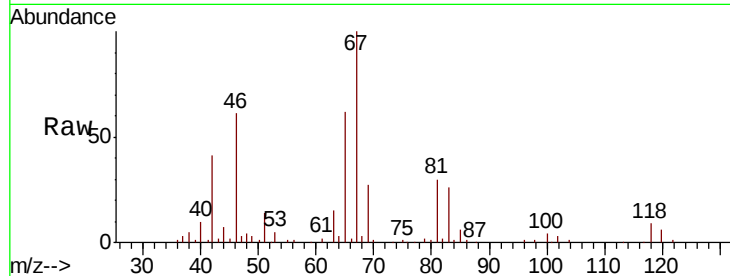




#35  
Methvlcvclohexane  
Concen: 0.804 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV017268.D  
Acq: 30 Jun 2020 18:22

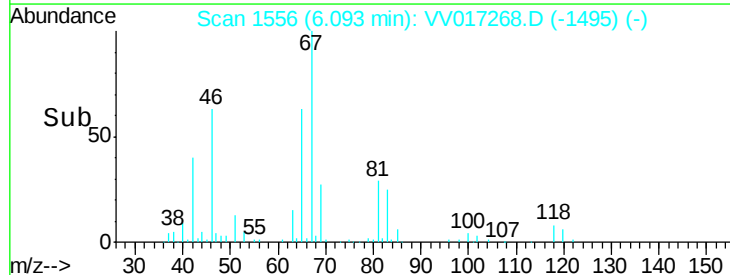
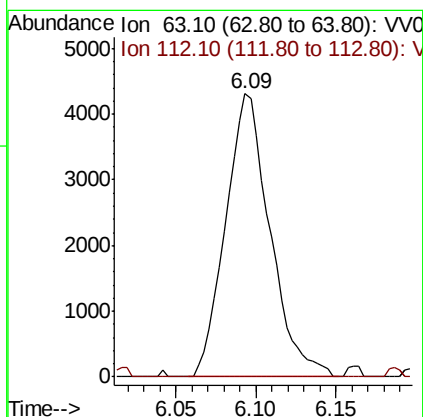
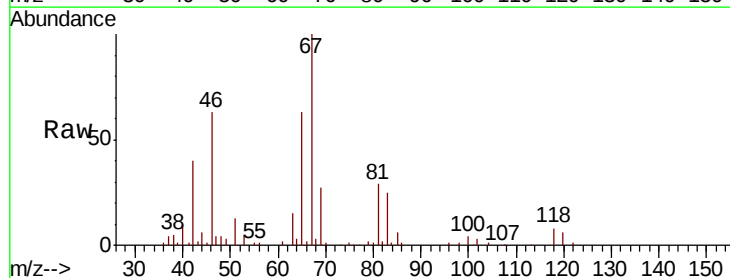
Instrument :  
MSVOA\_V  
ClientSampleId :

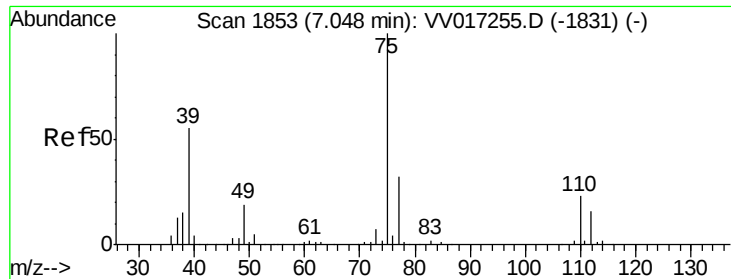
Tot Ion: 83 Resp: 15524  
Ion Ratio Lower Upper  
83 100  
55 2.6 63.6 95.4#  
98 2.6 38.8 58.2#



#37  
1,2-Dichloropropane  
Concen: 0.777 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.10 min  
Lab File: VV017268.D  
Acq: 30 Jun 2020 18:22

Tgt Ion: 63 Resp: 8159  
Ion Ratio Lower Upper  
63 100  
112 0.9 4.4 6.6#

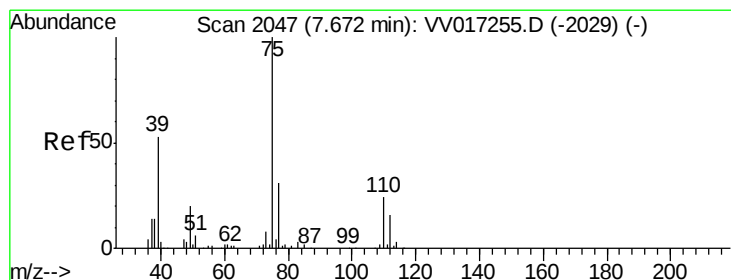
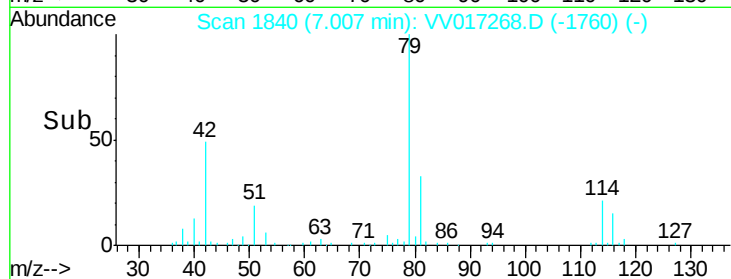
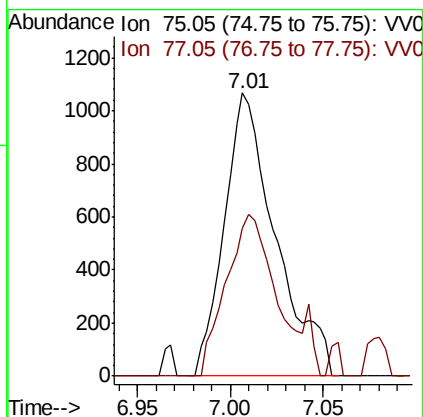
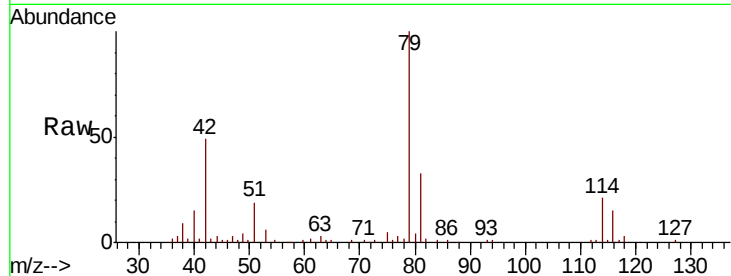




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.131 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV017268.D  
 Acq: 30 Jun 2020 18:22

Instrument :  
 MSVOA\_V  
 ClientSampled :

Tot Ion: 75 Resp: 2048  
 Ion Ratio Lower Upper  
 75 100  
 77 52.3 22.3 41.5#



#46  
 trans-1,3-Dichloropropene  
 Concen: 0.100 ug/L  
 RT: 7.65 min Scan# 2039  
 Delta R.T. -0.03 min  
 Lab File: VV017268.D  
 Acq: 30 Jun 2020 18:22

Tgt Ion: 75 Resp: 1344  
 Ion Ratio Lower Upper  
 75 100  
 77 43.2 22.3 41.3#

