

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\  
 Data File : VV017213.D  
 Acq On : 27 Jun 2020 04:39  
 Operator : SY/MD  
 Sample : L3132-09  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 27 05:04:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 27 03:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 347975   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 327447   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 150979   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 94453    | 38.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.94% |
| 7) Chloroethane-d5             | 1.58    | 69    | 69240    | 47.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.00% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 146849   | 35.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.24% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 153473   | 84.45    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.45% |
| 24) Chloroform-d               | 4.38    | 84    | 218428   | 43.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.50% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 159085   | 46.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.68% |
| 32) Benzene-d6                 | 5.08    | 84    | 411592   | 43.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.20% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 123003   | 41.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.60% |
| 41) Toluene-d8                 | 7.34    | 98    | 376796   | 43.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.00% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 62955    | 41.08    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.16% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 101495   | 79.12    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 161992   | 41.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 83.18% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 154451   | 47.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.88% |

## Target Compounds

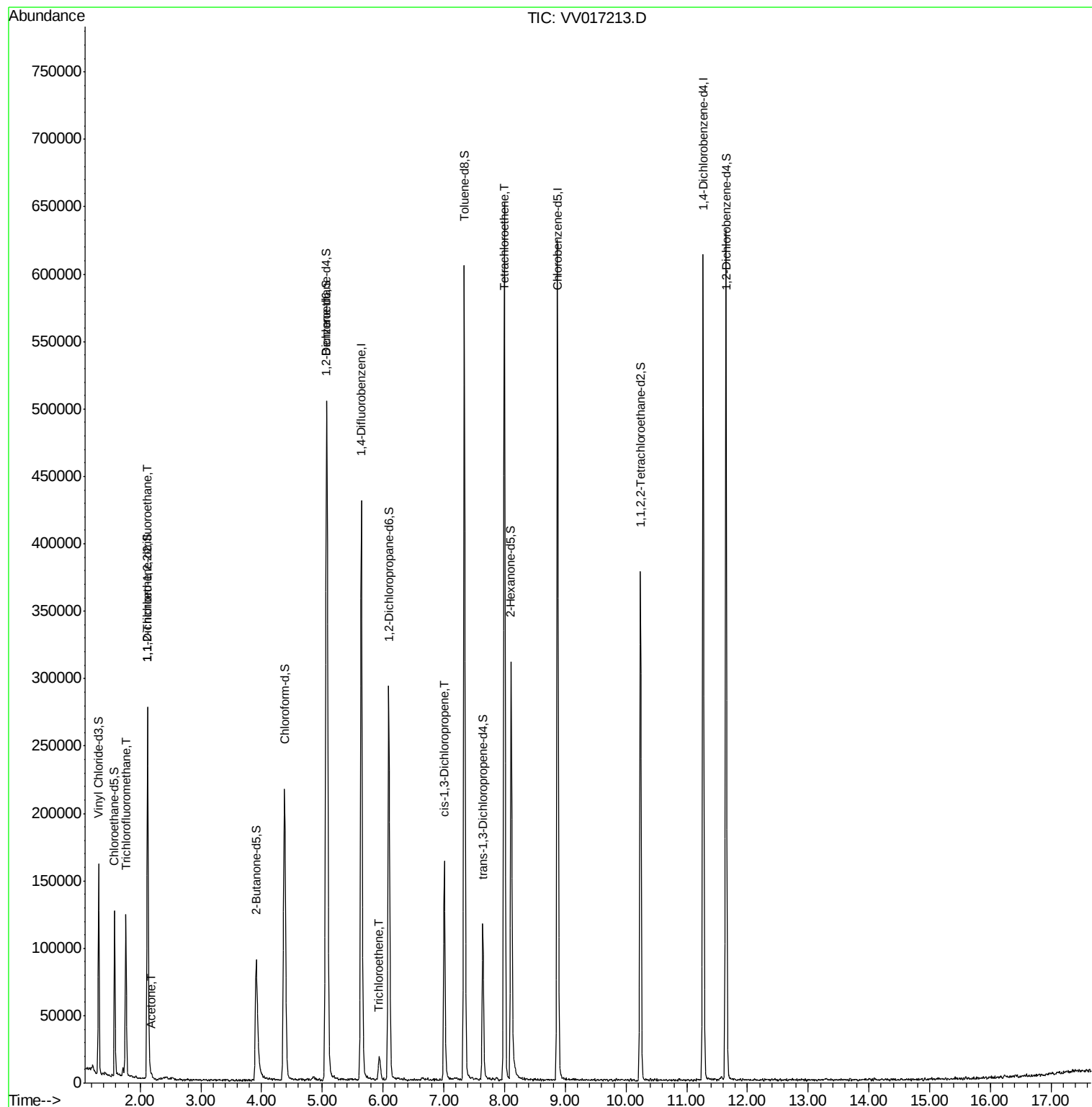
|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 9) Trichlorofluoromethane      | 1.77 | 101 | 70886  | 19.093 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 1429   | 0.772 ug/L # | 19     |
| 13) Acetone                    | 2.19 | 43  | 2720   | 2.272 ug/L   | 60     |
| 34) Trichloroethene            | 5.94 | 95  | 3194   | 1.229 ug/L   | 91     |
| 39) cis-1,3-Dichloropropene    | 7.01 | 75  | 4774   | 1.220 ug/L   | 86     |
| 46) Tetrachloroethene          | 8.00 | 164 | 139605 | 68.315 ug/L  | 98     |

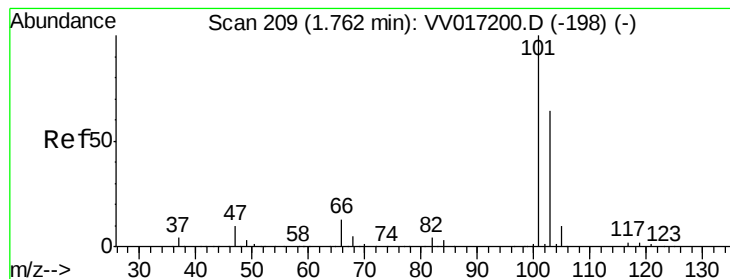
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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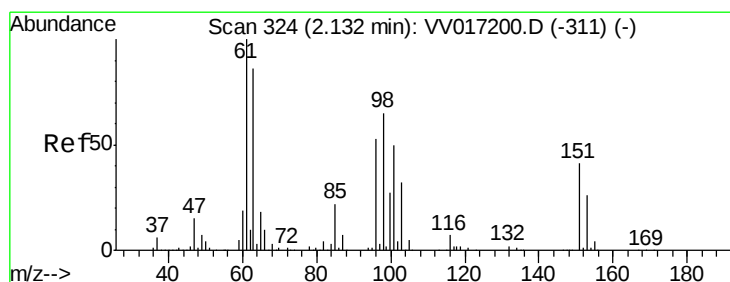
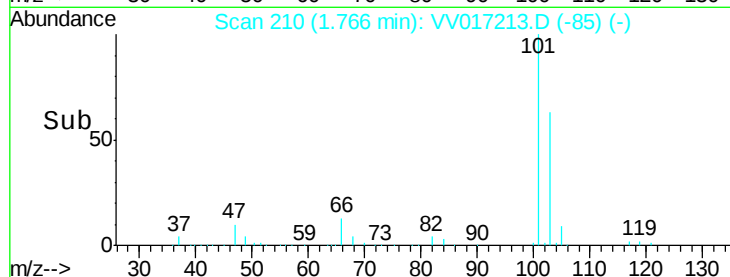
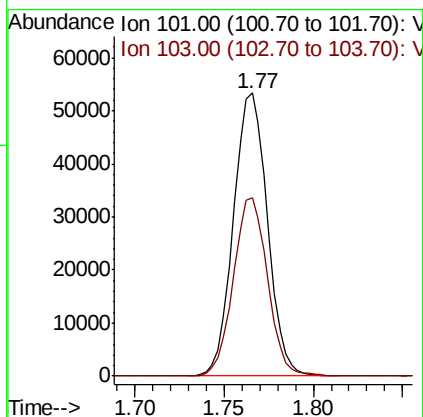
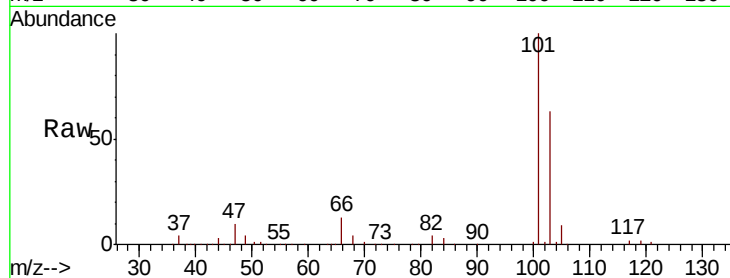


#9

Trichlorofluoromethane  
Concen: 19.093 ug/L  
RT: 1.77 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: VV017213.D  
Acq: 27 Jun 2020 04:39

Instrument :  
MSVOA\_V  
ClientSampled :

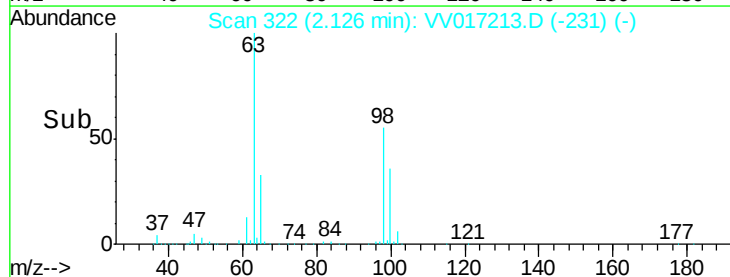
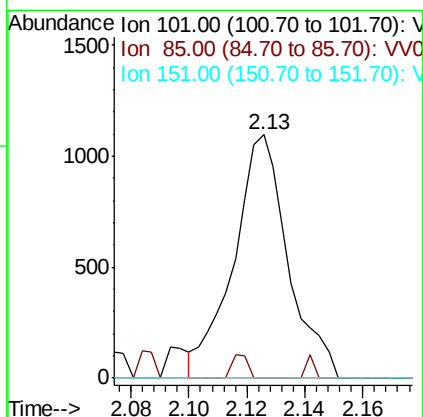
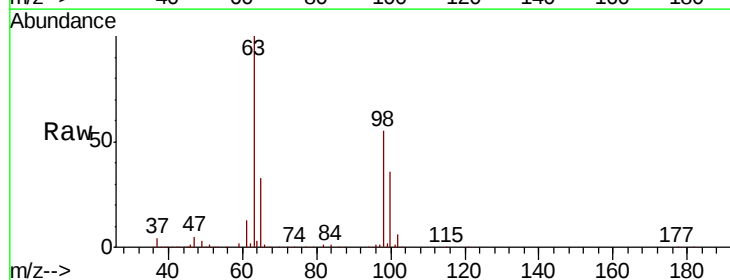
Tot Ion:101 Resp: 70886  
Ion Ratio Lower Upper  
101 100  
103 63.4 51.3 76.9

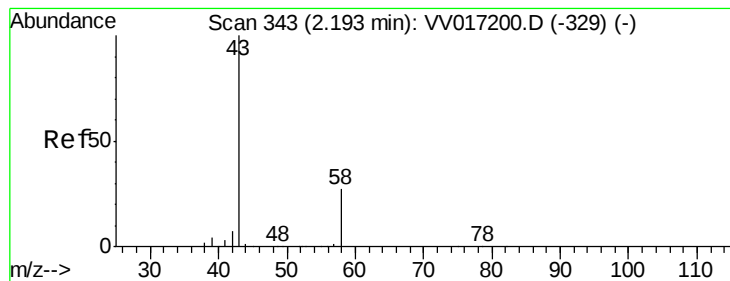


#10

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.772 ug/L  
RT: 2.13 min Scan# 322  
Delta R.T. -0.01 min  
Lab File: VV017213.D  
Acq: 27 Jun 2020 04:39

Tgt Ion:101 Resp: 1429  
Ion Ratio Lower Upper  
101 100  
85 2.7 35.5 53.3#  
151 0.0 63.9 95.9#





#13

Acetone

Concen: 2.272 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017213.D

Acq: 27 Jun 2020 04:39

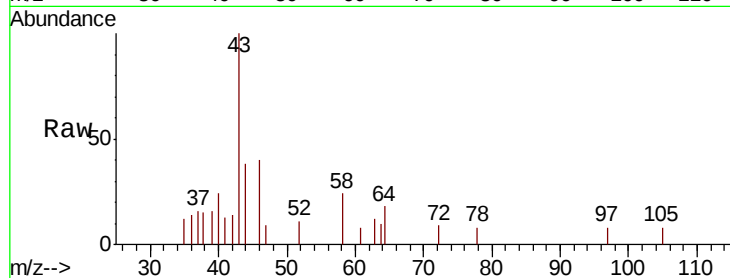
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 2720

Ion Ratio Lower Upper

43 100

58 6.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV017213.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV017213.D (-250) (-)

2.19

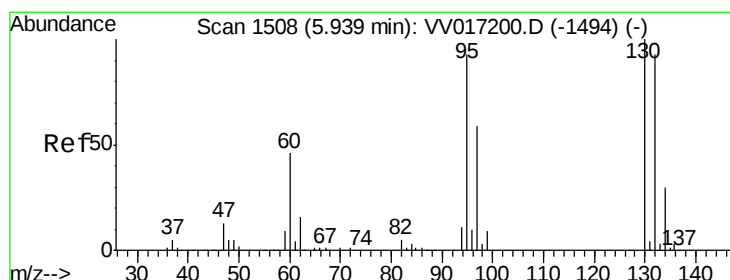
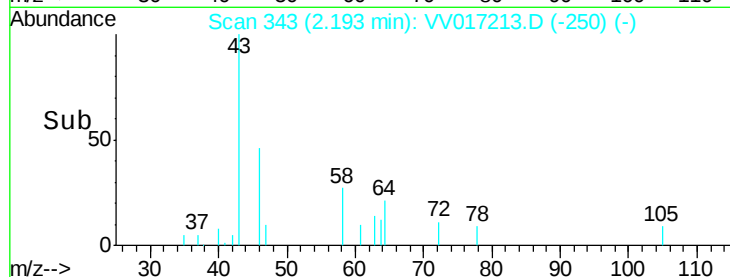
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 1.229 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017213.D

Acq: 27 Jun 2020 04:39

Tgt Ion: 95 Resp: 3194

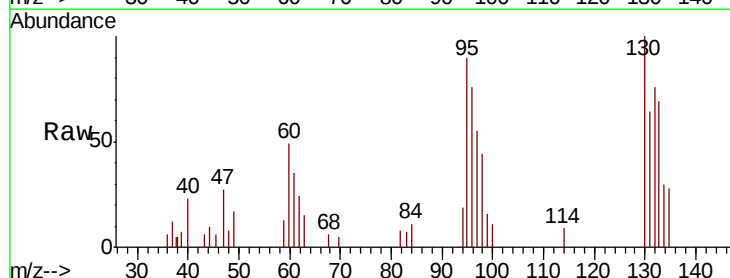
Ion Ratio Lower Upper

95 100

97 60.8 44.3 82.3

132 84.2 67.9 126.1

130 111.1 72.2 134.2



Abundance Ion 95.00 (94.70 to 95.70): VV017213.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV017213.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV017213.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV017213.D (-1415) (-)

3000

2500

2000

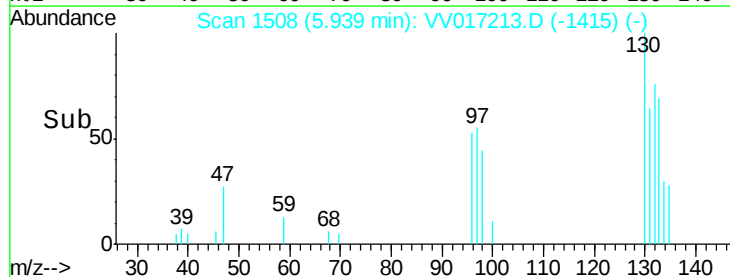
1500

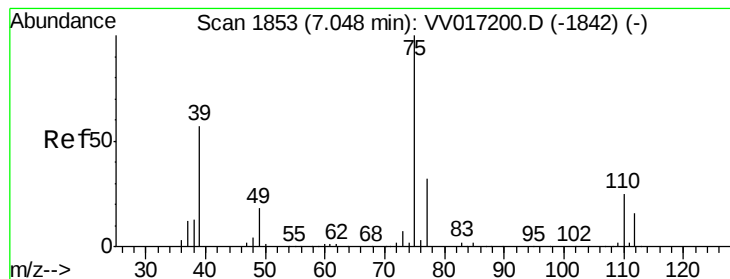
1000

500

0

Time-->



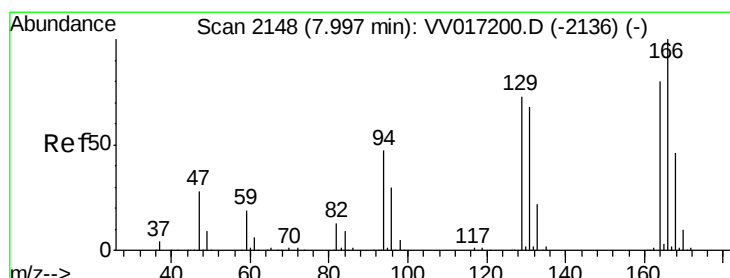
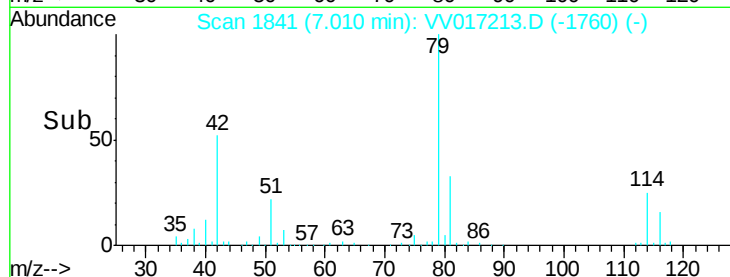
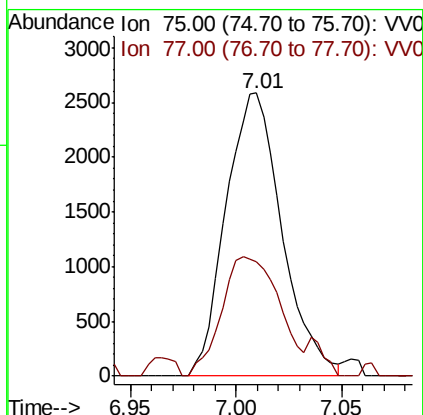
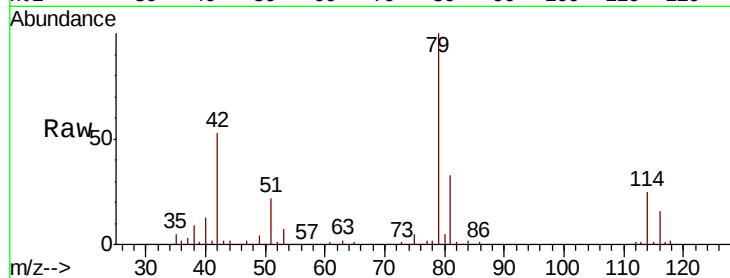


#39

cis-1,3-Dichloropropene  
 Concen: 1.220 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV017213.D  
 Acq: 27 Jun 2020 04:39

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 75 Resp: 4774  
 Ion Ratio Lower Upper  
 75 100  
 77 40.2 22.7 42.1



#46

Tetrachloroethene  
 Concen: 68.315 ug/L  
 RT: 8.00 min Scan# 2148  
 Delta R.T. -0.00 min  
 Lab File: VV017213.D  
 Acq: 27 Jun 2020 04:39

Tgt Ion: 164 Resp: 139605  
 Ion Ratio Lower Upper  
 164 100  
 129 94.8 67.0 124.4  
 131 90.2 64.8 120.3  
 166 130.8 90.4 167.8

