

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\  
 Data File : VV017840.D  
 Acq On : 07 Aug 2020 15:16  
 Operator : SY/MD  
 Sample : L3590-18  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 08 00:26:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 00:22:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 225581   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 224516   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 128157   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 40437    | 36.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.52%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 41050    | 43.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 84971    | 32.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.28%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 77420    | 93.60    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.60%  |
| 24) Chloroform-d               | 4.38    | 84    | 143518   | 47.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 115929   | 52.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.58% |
| 32) Benzene-d6                 | 5.07    | 84    | 241472   | 45.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.92%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 64130    | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.44%  |
| 41) Toluene-d8                 | 7.34    | 98    | 240034   | 46.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.16%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 21632    | 22.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 44.62%# |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 57489    | 91.17    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.17%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 103739   | 46.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 128564   | 51.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.22% |

## Target Compounds

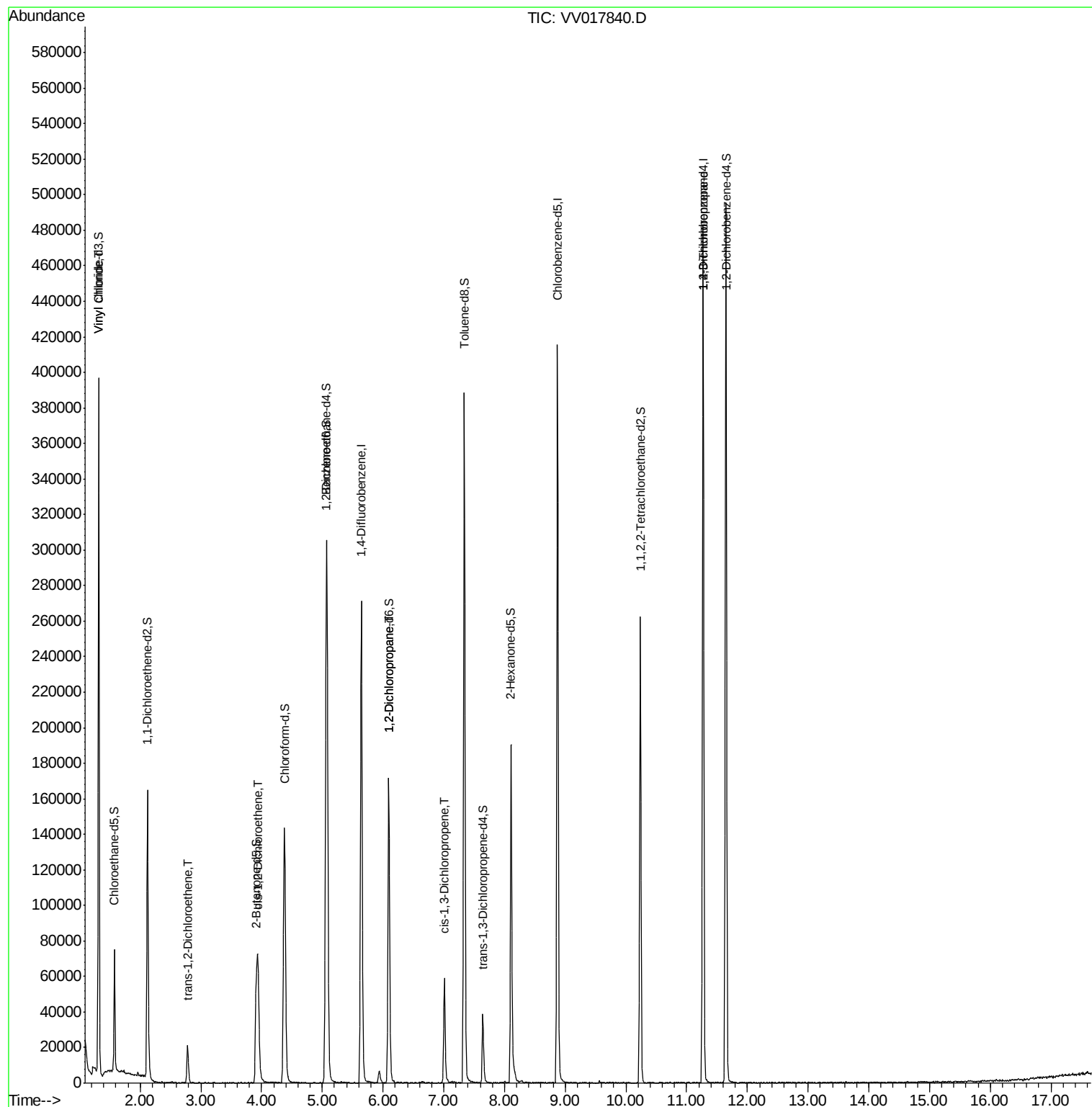
|                              |       |    |        |         | Ovalue    |
|------------------------------|-------|----|--------|---------|-----------|
| 5) Vinyl chloride            | 1.32  | 62 | 183338 | 114.566 | ug/L 100  |
| 17) trans-1,2-Dichloroethene | 2.78  | 96 | 7877   | 5.145   | ug/L 81   |
| 20) cis-1,2-Dichloroethene   | 3.94  | 96 | 30811  | 18.843  | ug/L 93   |
| 37) 1,2-Dichloropropane      | 6.09  | 63 | 10796  | 7.735   | ug/L # 83 |
| 39) cis-1,3-Dichloropropene  | 7.01  | 75 | 1860   | 0.726   | ug/L # 67 |
| 59) 1,2,3-Trichloropropane   | 11.27 | 75 | 9866   | 4.857   | ug/L # 54 |

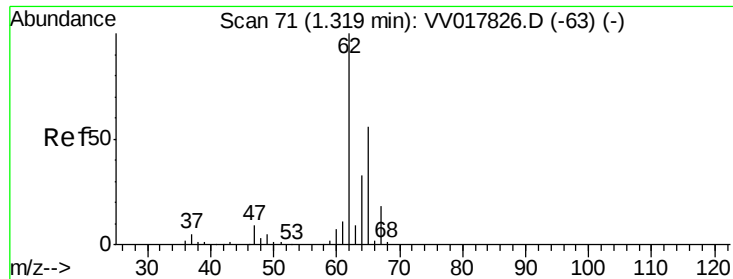
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

Quant Time: Aug 08 00:26:08 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM073020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 08 00:22:47 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 114.566 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017840.D

Acq: 07 Aug 2020 15:16

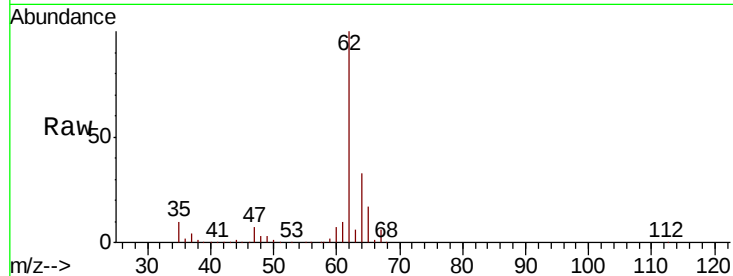
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 62 Resp: 183338

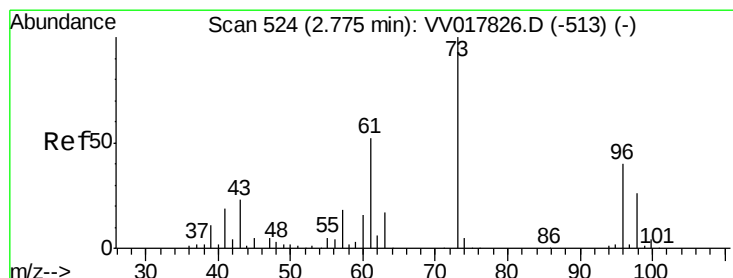
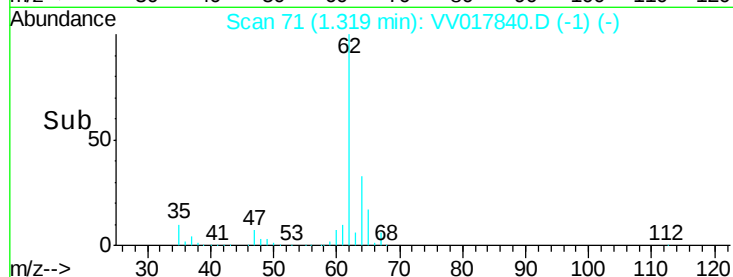
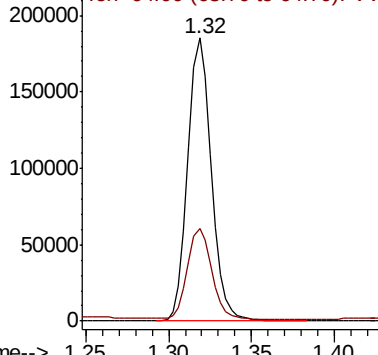
Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0  
Ion 64.00 (63.70 to 64.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 5.145 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017840.D

Acq: 07 Aug 2020 15:16

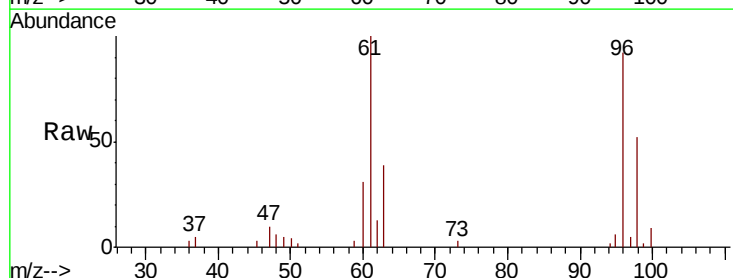
Tgt Ion: 96 Resp: 7877

Ion Ratio Lower Upper

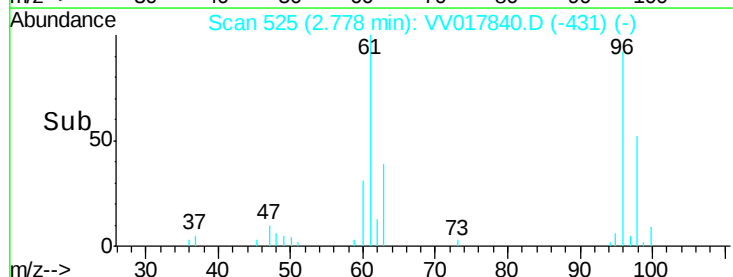
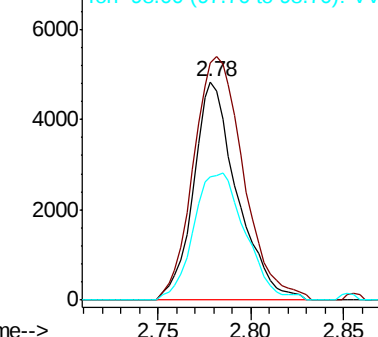
96 100

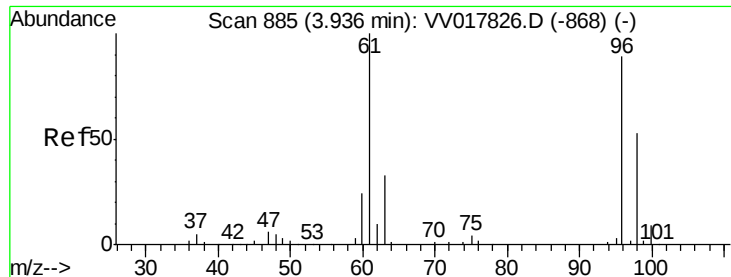
61 108.6 96.2 178.8

98 56.8 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VV0  
Ion 61.00 (60.70 to 61.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

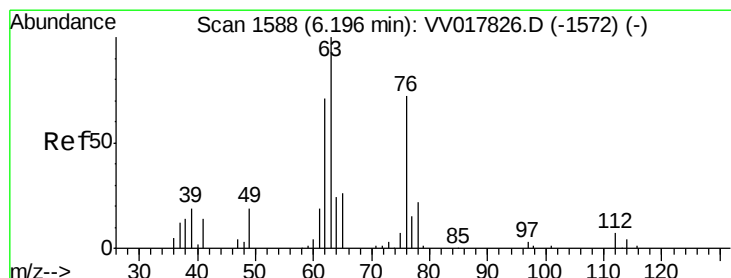
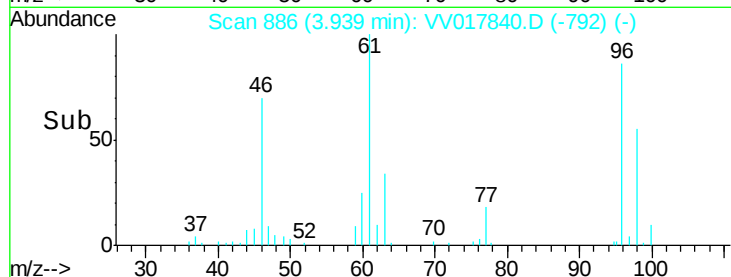
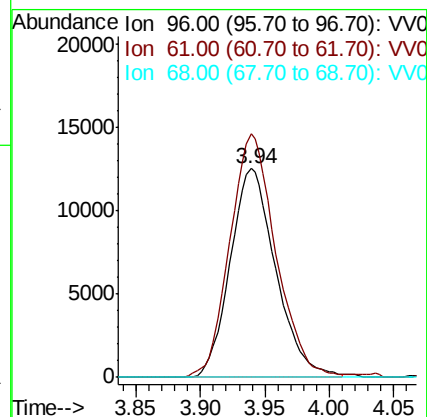
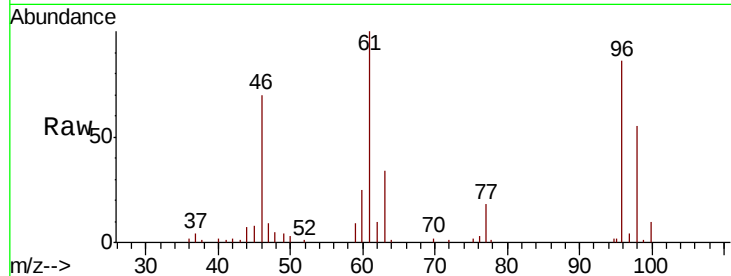




#20  
 cis-1,2-Dichloroethene  
 Concen: 18.843 ug/L  
 RT: 3.94 min Scan# 886  
 Delta R.T. 0.00 min  
 Lab File: VV017840.D  
 Acq: 07 Aug 2020 15:16

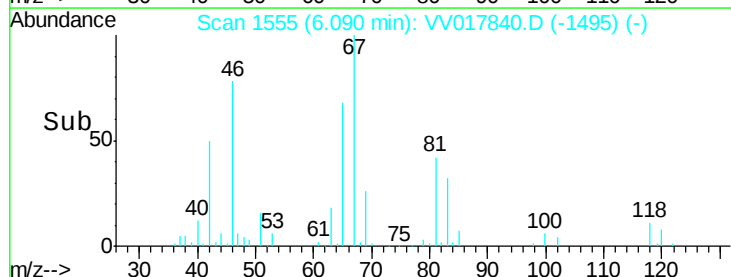
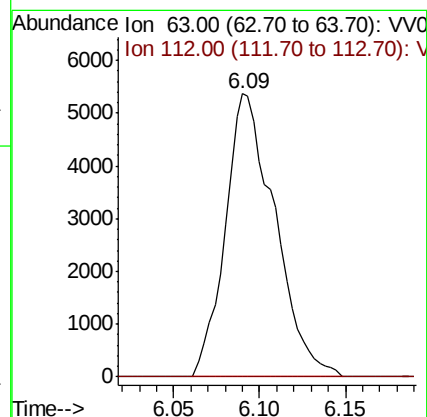
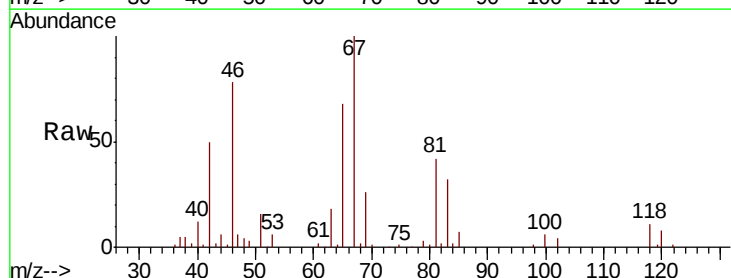
Instrument :  
 MSVOA\_V  
 ClientSampleId :

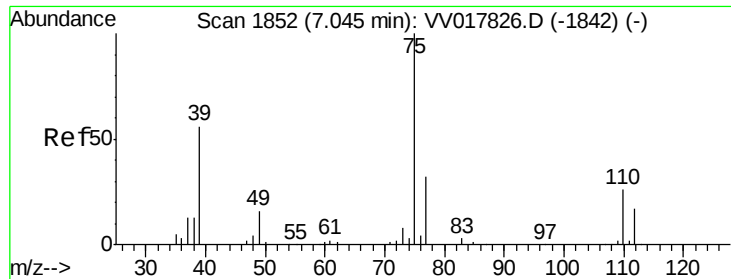
Tot Ion: 96 Resp: 30811  
 Ion Ratio Lower Upper  
 96 100  
 61 116.7 87.3 162.1  
 68 0.0 0.0 0.0



#37  
 1,2-Dichloropropane  
 Concen: 7.735 ug/L  
 RT: 6.09 min Scan# 1555  
 Delta R.T. -0.11 min  
 Lab File: VV017840.D  
 Acq: 07 Aug 2020 15:16

Tgt Ion: 63 Resp: 10796  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.6 6.8#

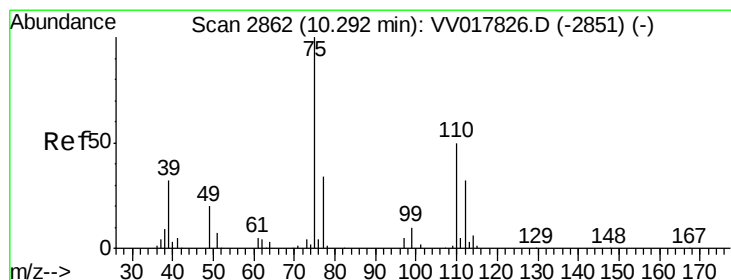
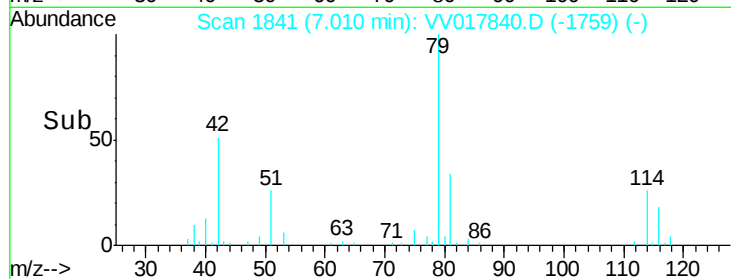
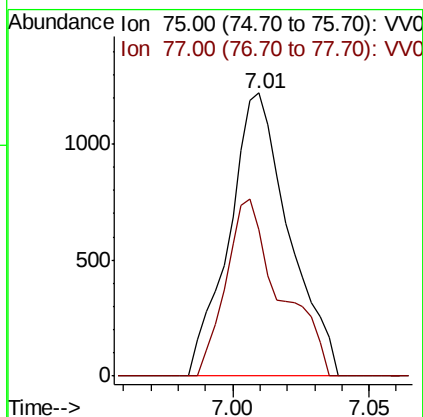
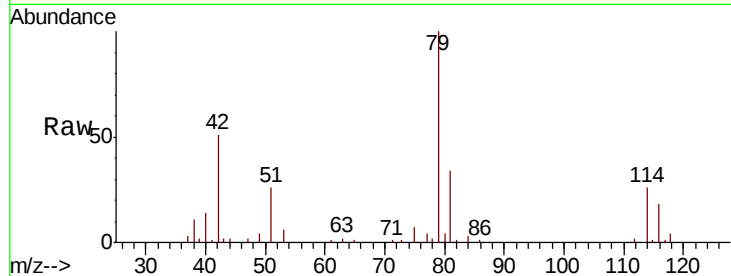




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.726 ug/L  
 RT: 7.01 min Scan# 1841  
 Delta R.T. -0.04 min  
 Lab File: VV017840.D  
 Acq: 07 Aug 2020 15:16

Instrument :  
 MSVOA\_V  
 ClientSampled :

Tot Ion: 75 Resp: 1860  
 Ion Ratio Lower Upper  
 75 100  
 77 51.6 23.2 43.0#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.857 ug/L  
 RT: 11.27 min Scan# 3166  
 Delta R.T. 0.98 min  
 Lab File: VV017840.D  
 Acq: 07 Aug 2020 15:16

Tgt Ion: 75 Resp: 9866  
 Ion Ratio Lower Upper  
 75 100  
 77 56.9 25.1 37.7#

