

Data File : VV010619.D  
Acq On : 01 May 2019 21:58  
Operator : SY/MD  
Sample : K2590-02DL 200X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X80DL

Quant Time: May 02 08:25:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 02 08:18:34 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 80354    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 79029    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 30932    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 20640    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 12167    | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 32144    | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 55226    | 49.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.60%  |
| 24) Chloroform-d               | 4.40   | 84    | 45510    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 24735    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 95468    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 29686    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 87914    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9095     | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 46518    | 54.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 20318    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 30140    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.80% |

#### Target Compounds

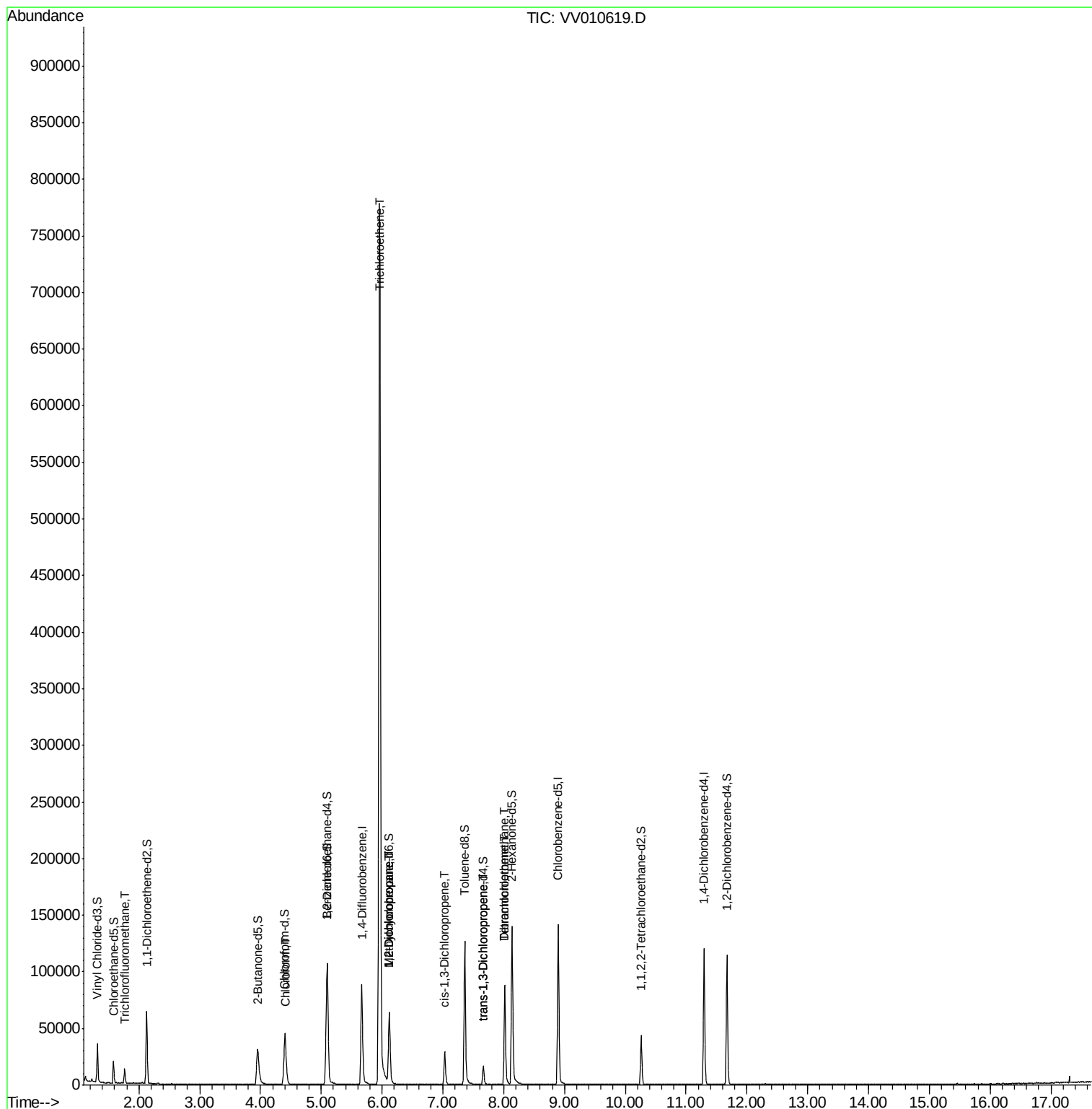
|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 9) Trichlorofluoromethane     | 1.77 | 101 | 7086   | 0.706 ug/L   | 96     |
| 25) Chloroform                | 4.43 | 83  | 5476   | 0.509 ug/L   | 96     |
| 34) Trichloroethene           | 5.96 | 95  | 276174 | 45.040 ug/L  | 97     |
| 35) Methylcyclohexane         | 6.12 | 83  | 7213   | 0.812 ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 6.12 | 63  | 3162   | 0.594 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene   | 7.04 | 75  | 623    | 0.086 ug/L # | 48     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75  | 452    | 0.080 ug/L # | 80     |
| 47) Tetrachloroethene         | 8.02 | 164 | 19689  | 4.068 ug/L   | 98     |
| 49) Dibromochloromethane      | 8.02 | 129 | 19099  | 4.338 ug/L # | 11     |

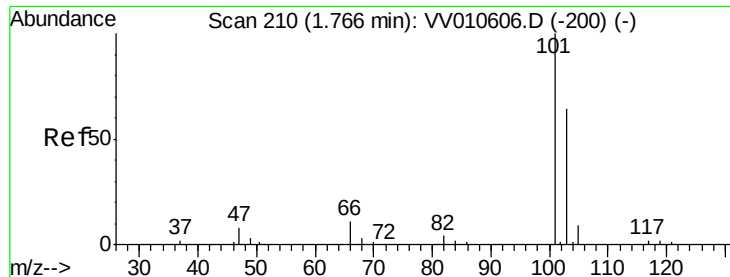
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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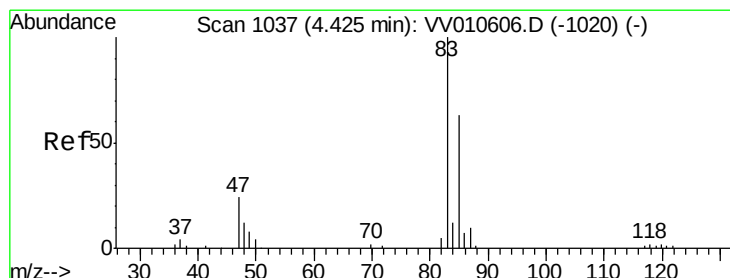
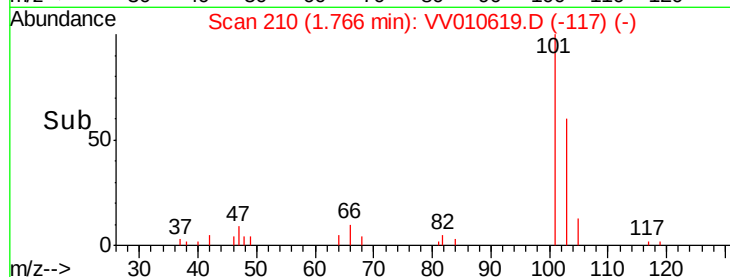
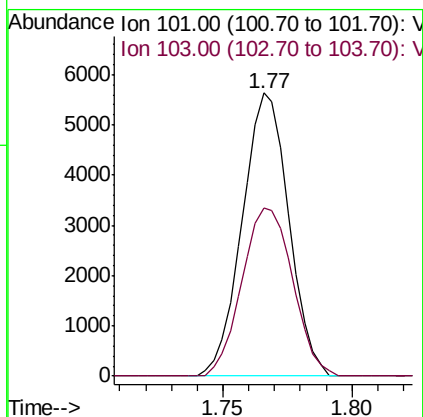
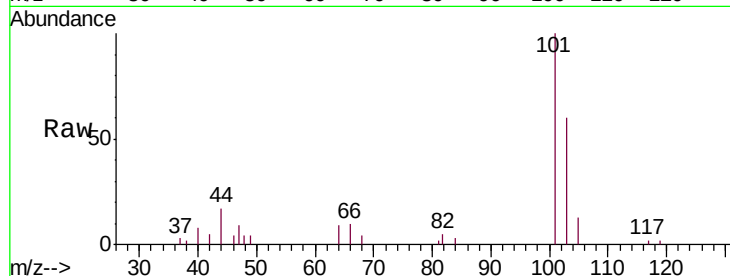


#9

Trichlorofluoromethane  
 Concen: 0.706 ug/L  
 RT: 1.77 min Scan# 210  
 Delta R.T. 0.00 min  
 Lab File: VV010619.D  
 Acq: 01 May 2019 21:58

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X80DL

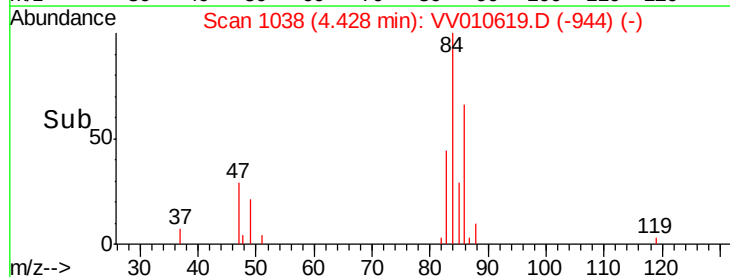
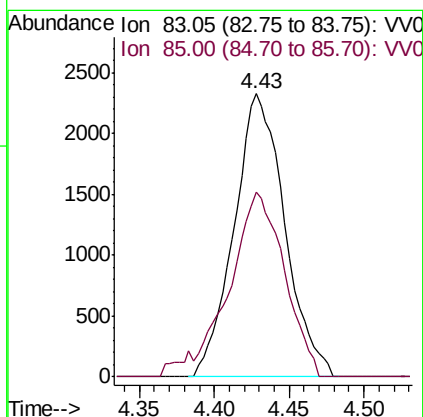
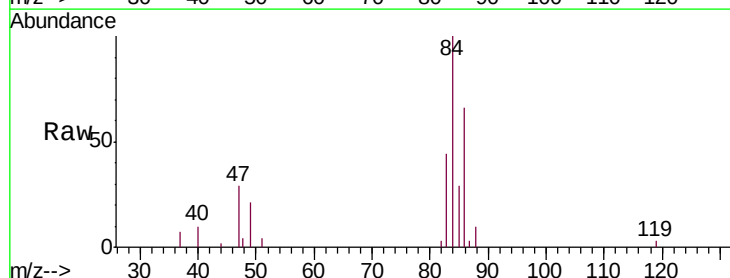
Tgt Ion: 101 Resp: 7086  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 49.5 74.3

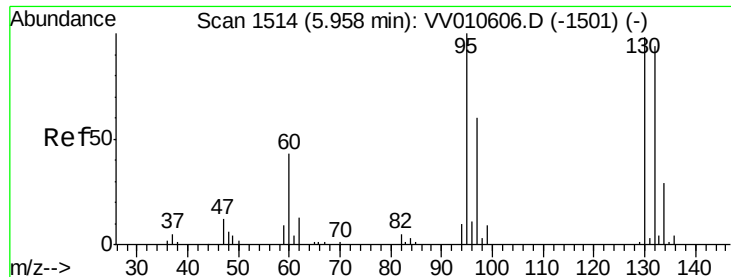


#25

Chloroform  
 Concen: 0.509 ug/L  
 RT: 4.43 min Scan# 1038  
 Delta R.T. 0.00 min  
 Lab File: VV010619.D  
 Acq: 01 May 2019 21:58

Tgt Ion: 83 Resp: 5476  
 Ion Ratio Lower Upper  
 83 100  
 85 65.1 43.7 81.1





#34

Trichloroethene

Concen: 45.040 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010619.D

Acq: 01 May 2019 21:58

Instrument :

MSVOA\_V

ClientSampleId :

C0X80DL

Tgt Ion: 95 Resp: 276174

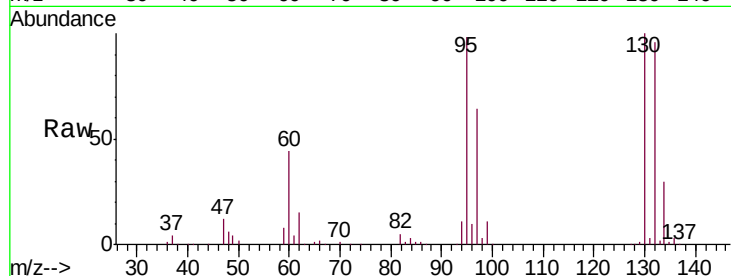
Ion Ratio Lower Upper

95 100

97 65.8 42.4 78.6

132 97.6 69.3 128.7

130 102.1 70.3 130.7

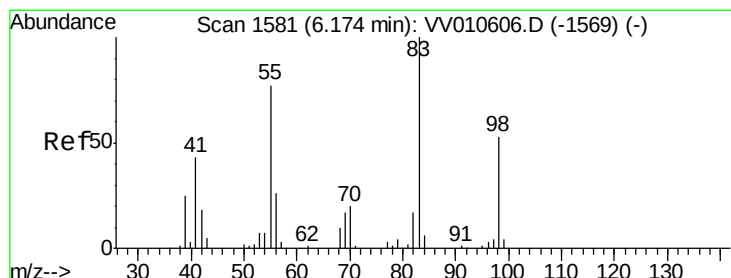
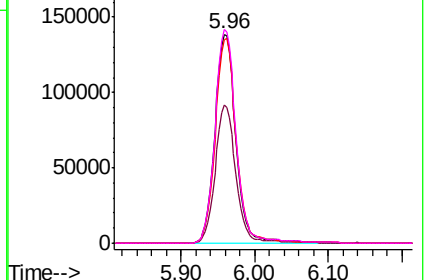
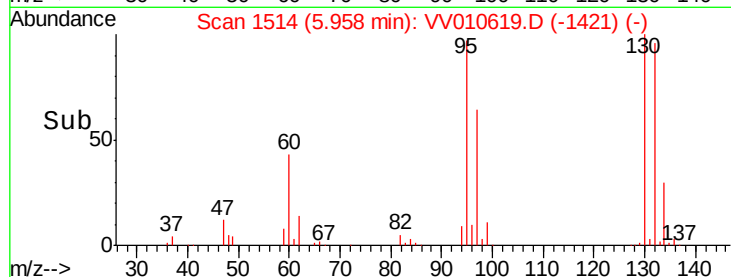


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.812 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV010619.D

Acq: 01 May 2019 21:58

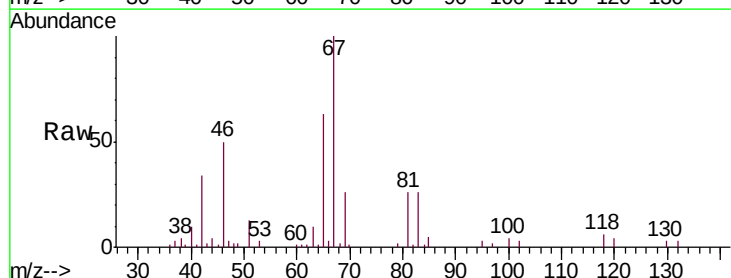
Tgt Ion: 83 Resp: 7213

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

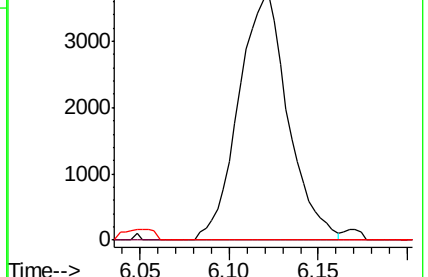
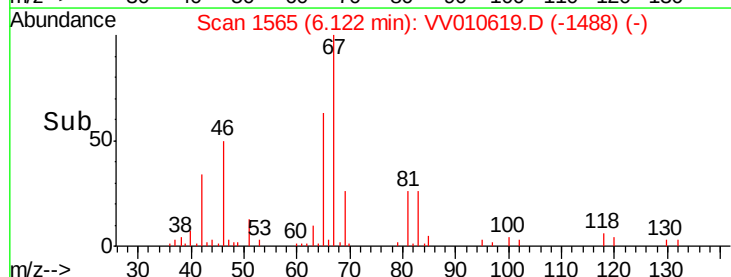
98 0.0 38.7 58.1#

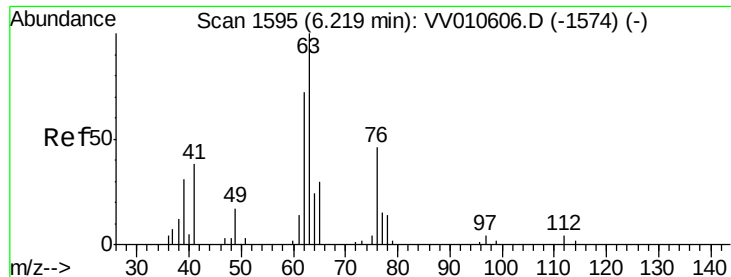


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

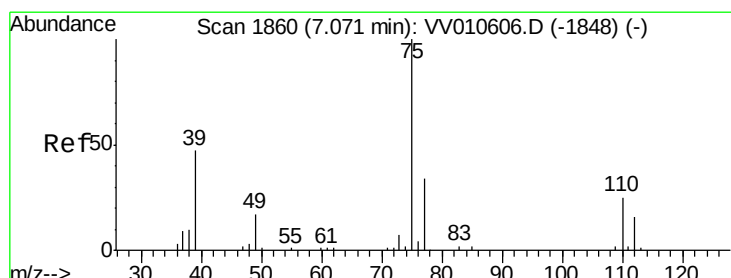
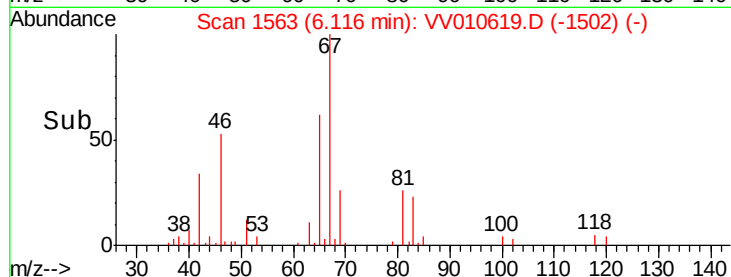
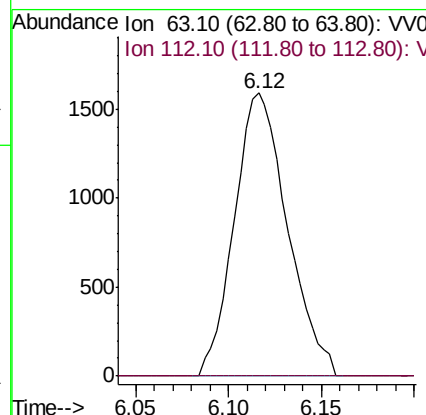
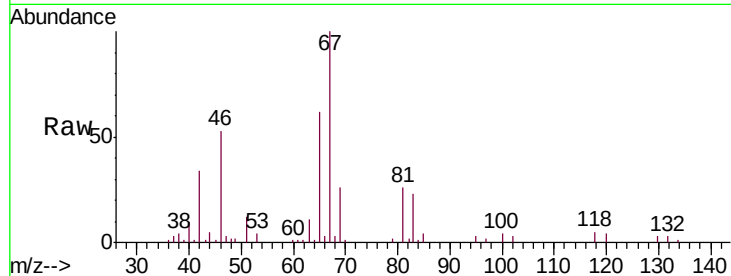




#37  
 1,2-Dichloropropane  
 Concen: 0.594 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV010619.D  
 Acq: 01 May 2019 21:58

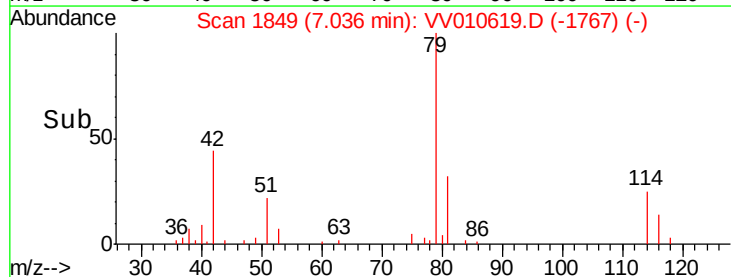
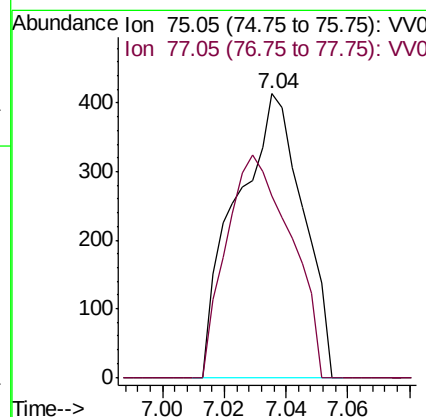
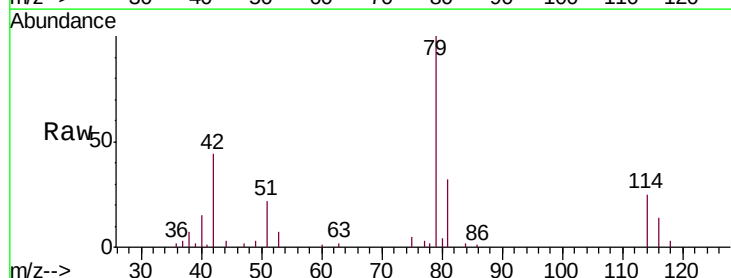
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0X80DL

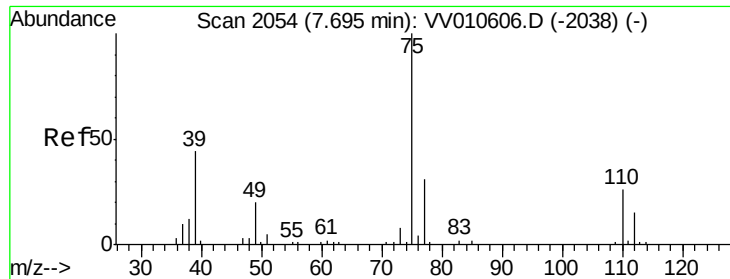
Tgt Ion: 63 Resp: 3162  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.086 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV010619.D  
 Acq: 01 May 2019 21:58

Tgt Ion: 75 Resp: 623  
 Ion Ratio Lower Upper  
 75 100  
 77 63.9 23.9 44.3#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010619.D

Acq: 01 May 2019 21:58

Instrument :

MSVOA\_V

ClientSampleId :

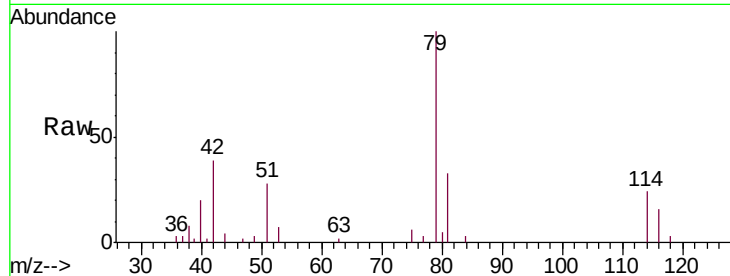
C0X80DL

Tgt Ion: 75 Resp: 452

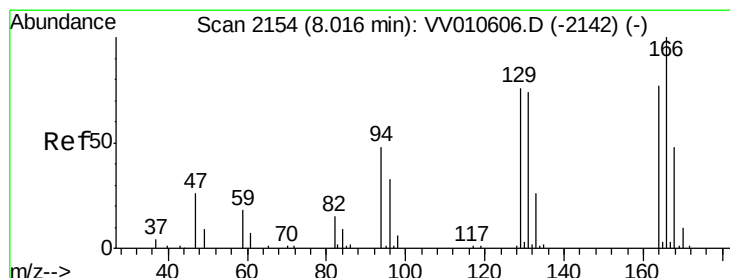
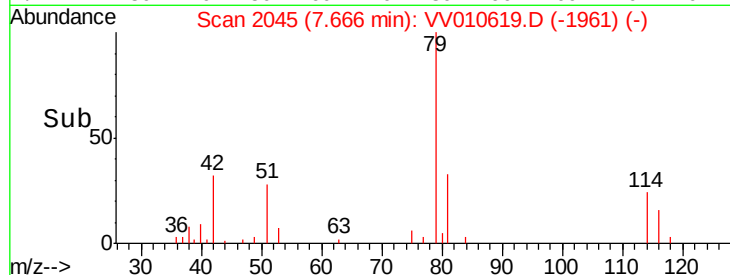
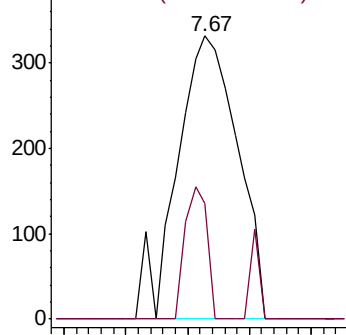
Ion Ratio Lower Upper

75 100

77 41.0 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VV010606.D (-2038) (-)



#47

Tetrachloroethene

Concen: 4.068 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010619.D

Acq: 01 May 2019 21:58

Tgt Ion: 164 Resp: 19689

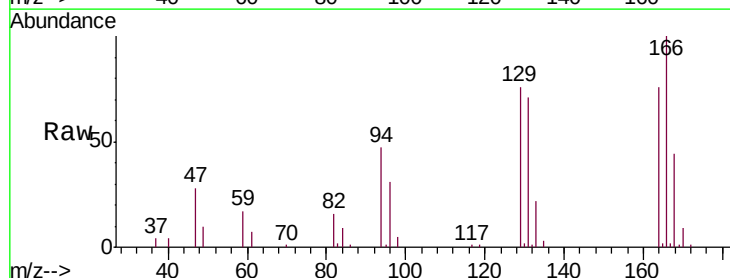
Ion Ratio Lower Upper

164 100

129 99.4 69.9 129.7

131 93.3 65.6 121.8

166 131.1 88.9 165.1

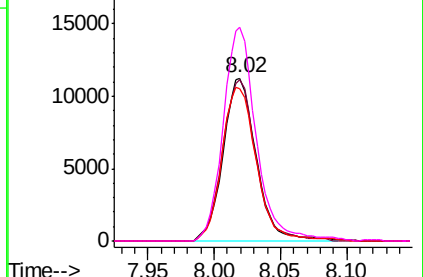
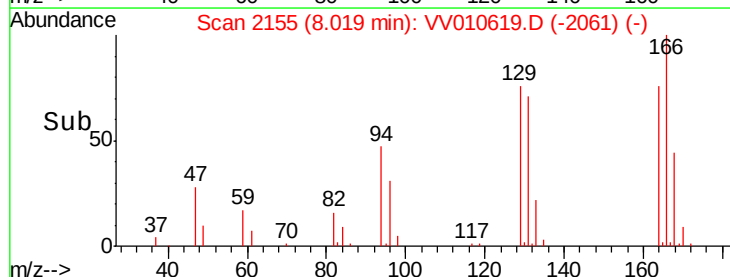


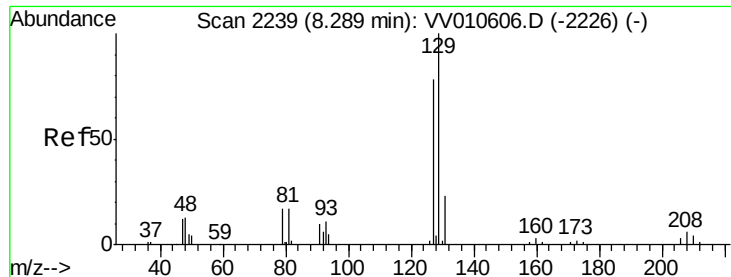
Abundance Ion 163.90 (163.60 to 164.60): VV010606.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV010606.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV010606.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV010606.D (-2142) (-)





#49

Dibromochloromethane

Concen: 4.338 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010619.D

Acq: 01 May 2019 21:58

Instrument :

MSVOA\_V

ClientSampleId :

C0X80DL

Tgt Ion:129 Resp: 19099

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

