

Data File : VV009495.D  
Acq On : 05 Mar 2019 19:40  
Operator : SY/MD  
Sample : K1662-08  
Misc : 4.75G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFC62

Quant Time: Mar 06 04:15:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 06 04:12:03 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 165235   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 154214   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 67741    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 42667    | 21.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.80%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 66289    | 23.05    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 91669    | 17.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.84%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 33575    | 49.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.08%  |
| 24) Chloroform-d               | 4.40   | 84    | 101526   | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.16% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 64246    | 28.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 114.76% |
| 29) Benzene-d6                 | 5.10   | 84    | 207438   | 27.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.64% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 65275    | 28.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.84% |
| 37) Toluene-d8                 | 7.36   | 98    | 198867   | 26.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.84% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 28855    | 26.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 105.68% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 30624    | 58.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 116.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 62712    | 26.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.44% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 67207    | 27.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.72% |

#### Target Compounds

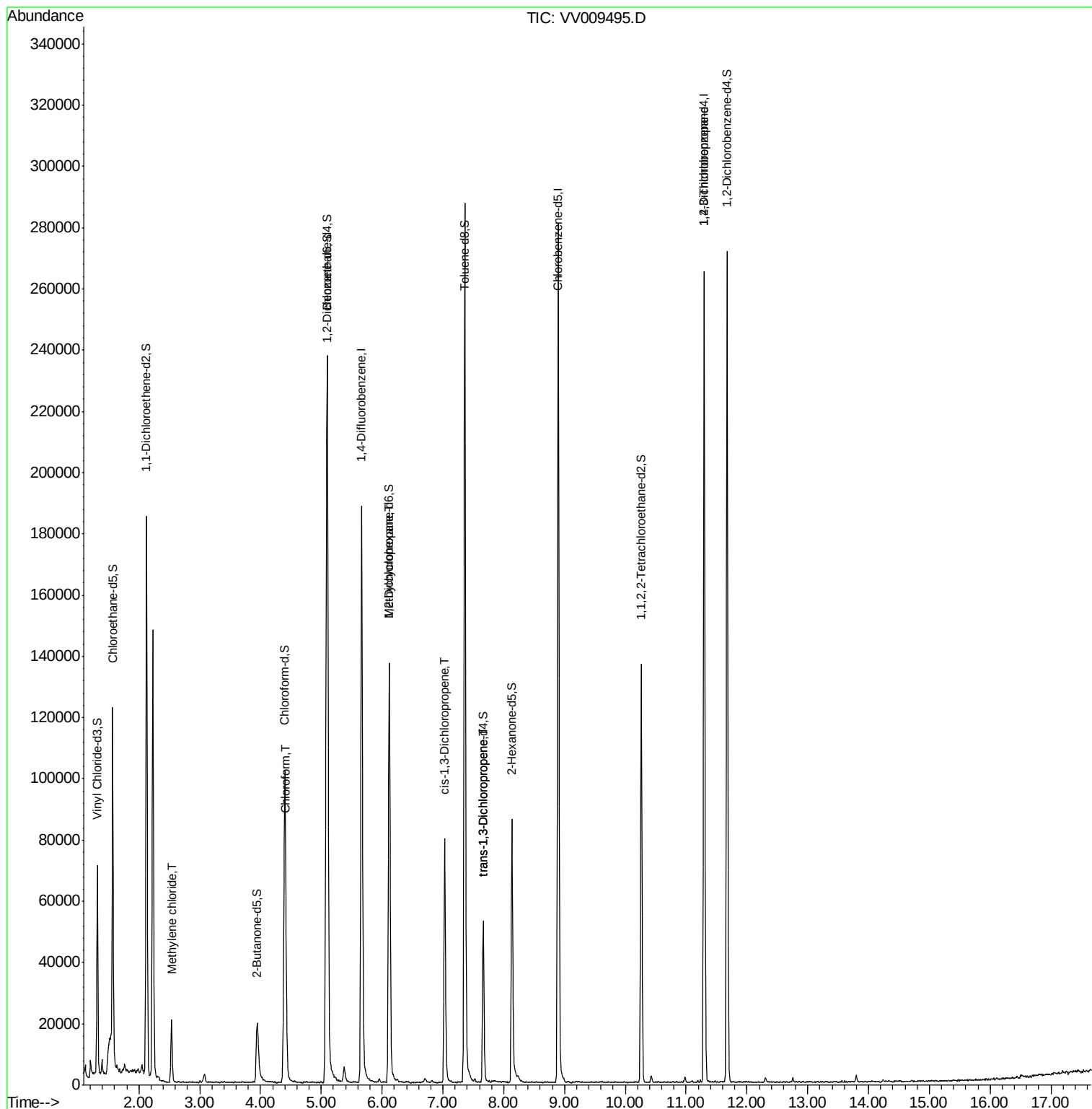
|                               |       |    |       |       |        | Qvalue |
|-------------------------------|-------|----|-------|-------|--------|--------|
| 16) Methylene chloride        | 2.53  | 84 | 8489  | 3.915 | ug/L   | 95     |
| 25) Chloroform                | 4.42  | 83 | 2264  | 0.583 | ug/L # | 72     |
| 36) Methylcyclohexane         | 6.12  | 83 | 15754 | 4.223 | ug/L # | 21     |
| 42) cis-1,3-Dichloropropene   | 7.03  | 75 | 2464  | 0.772 | ug/L # | 76     |
| 45) trans-1,3-Dichloropropene | 7.66  | 75 | 1532  | 0.550 | ug/L   | 98     |
| 59) 1,2,3-Trichloropropane    | 11.30 | 75 | 10091 | 5.808 | ug/L   | 97     |

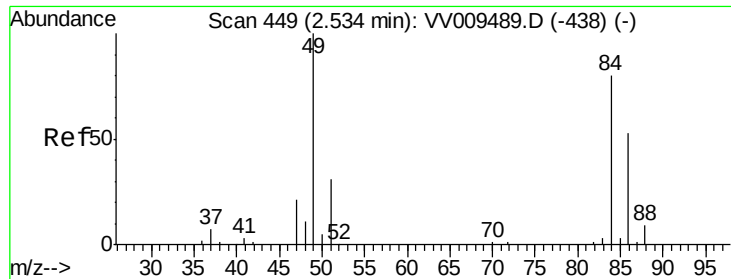
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV009495.D  
Acq On : 05 Mar 2019 19:40  
Operator : SY/MD  
Sample : K1662-08  
Misc : 4.75G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFC62

Quant Time: Mar 06 04:15:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 06 04:12:03 2019  
Response via : Initial Calibration

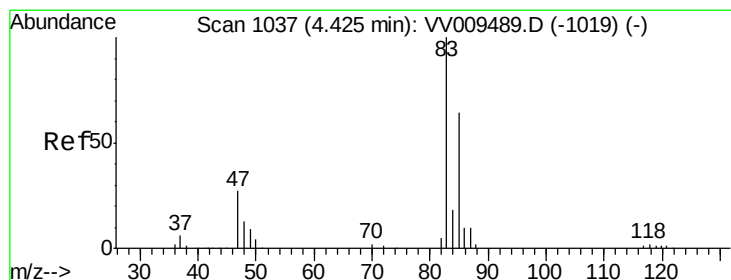
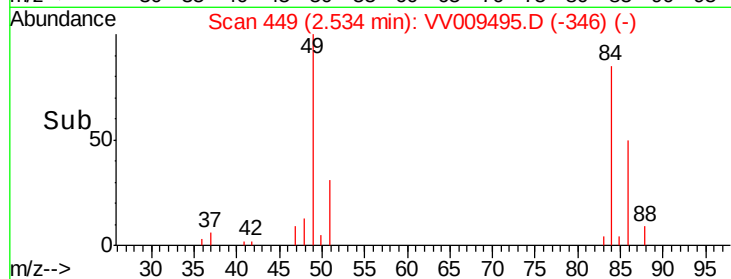
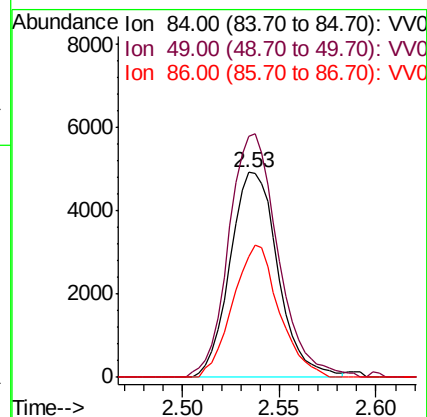
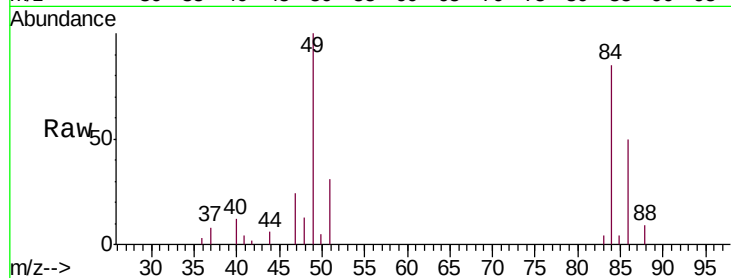




#16  
Methylene chloride  
Concen: 3.915 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VV009495.D  
Acq: 05 Mar 2019 19:40

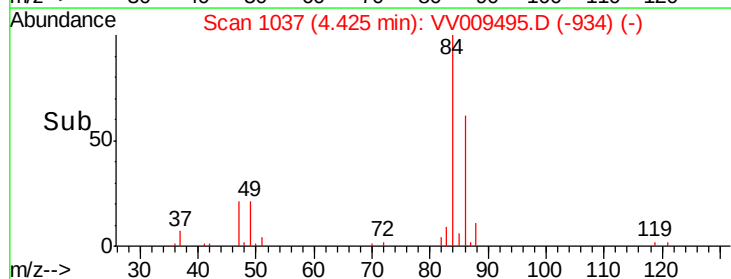
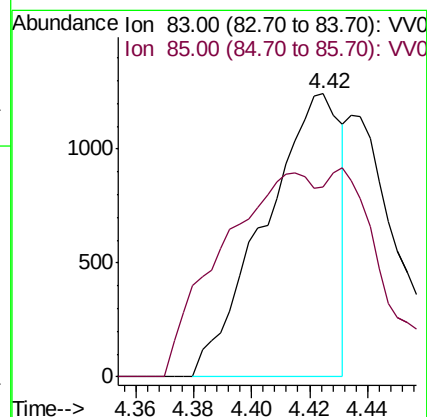
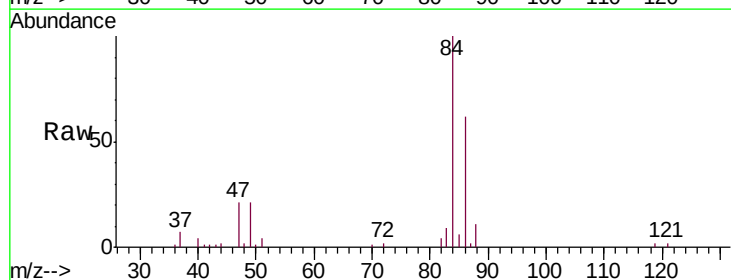
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFC62

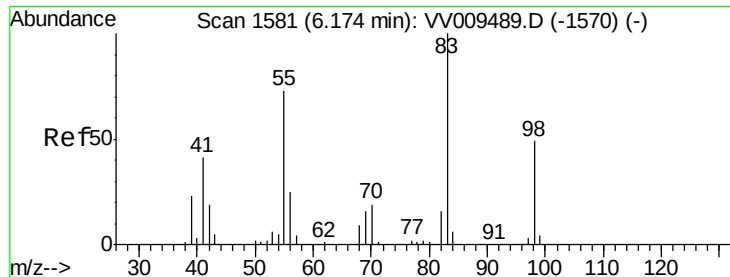
Tgt Ion: 84 Resp: 8489  
Ion Ratio Lower Upper  
84 100  
49 117.5 84.6 157.0  
86 59.0 46.1 85.7



#25  
Chloroform  
Concen: 0.583 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV009495.D  
Acq: 05 Mar 2019 19:40

Tgt Ion: 83 Resp: 2264  
Ion Ratio Lower Upper  
83 100  
85 87.0 45.4 84.2#

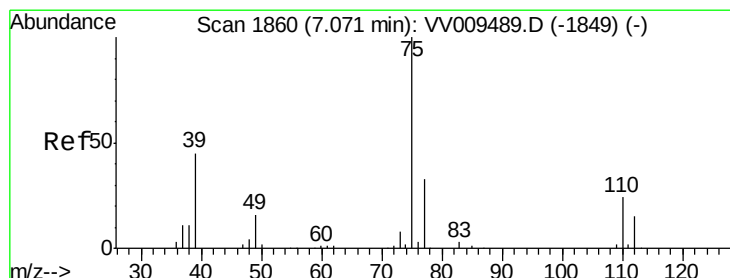
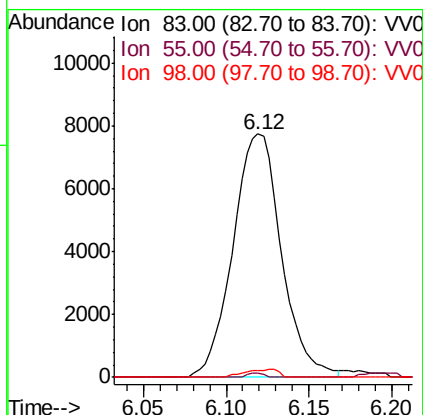
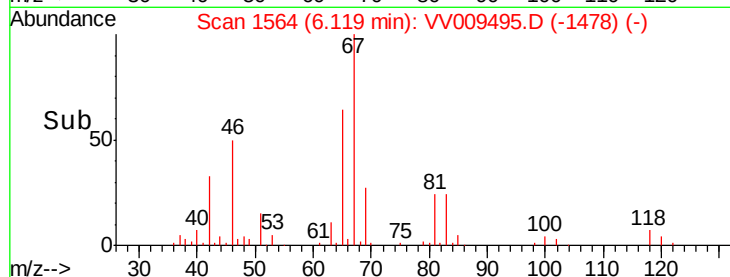
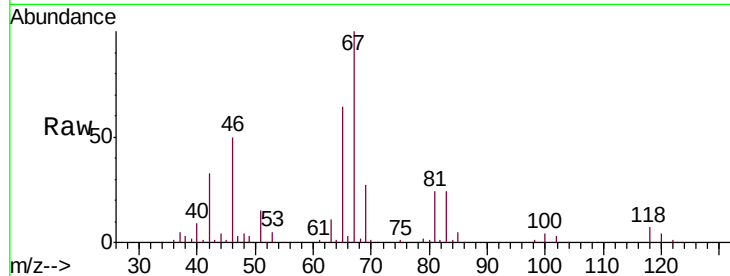




#36  
Methylcyclohexane  
Concen: 4.223 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.05 min  
Lab File: VV009495.D  
Acq: 05 Mar 2019 19:40

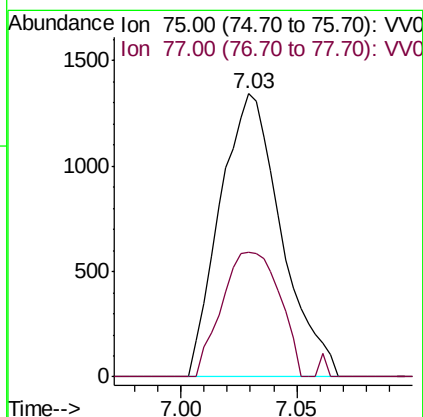
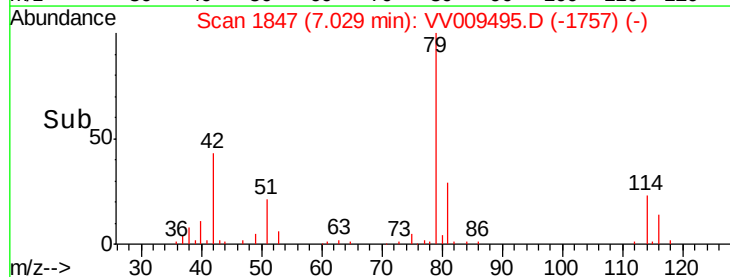
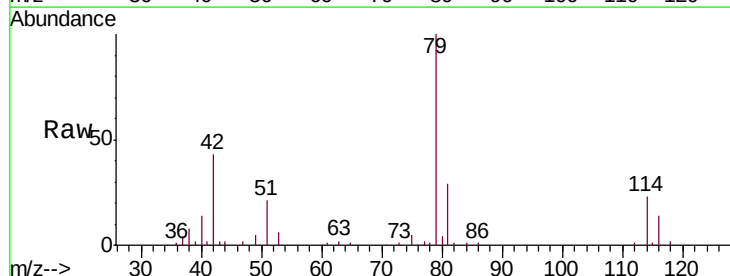
Instrument :  
MSVOA\_V  
ClientSampled :  
BFC62

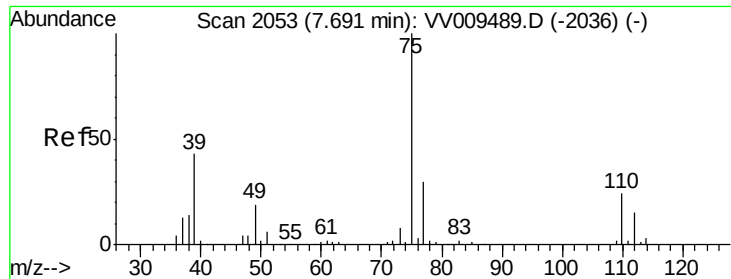
Tgt Ion: 83 Resp: 15754  
Ion Ratio Lower Upper  
83 100  
55 0.6 58.8 88.2#  
98 2.2 37.7 56.5#



#42  
cis-1,3-Dichloropropene  
Concen: 0.772 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV009495.D  
Acq: 05 Mar 2019 19:40

Tgt Ion: 75 Resp: 2464  
Ion Ratio Lower Upper  
75 100  
77 43.9 21.4 39.8#





#45

trans-1,3-Dichloropropene

Concen: 0.550 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009495.D

Acq: 05 Mar 2019 19:40

Instrument :

MSVOA\_V

ClientSampled :

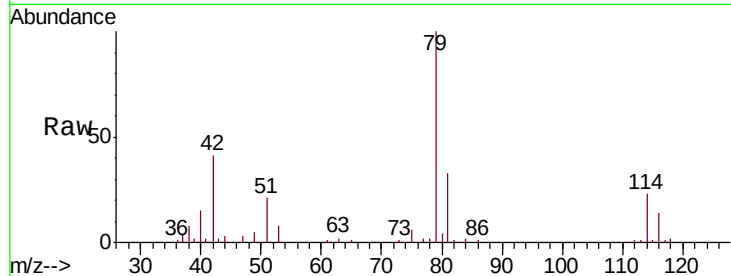
BFC62

Tgt Ion: 75 Resp: 1532

Ion Ratio Lower Upper

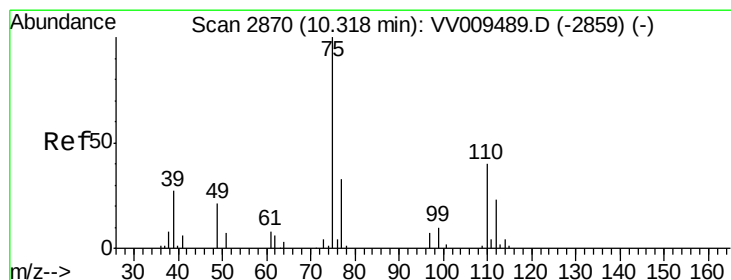
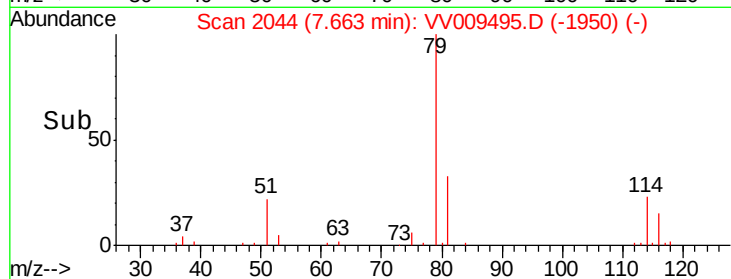
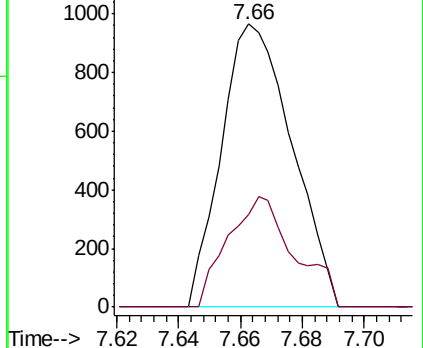
75 100

77 33.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.808 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009495.D

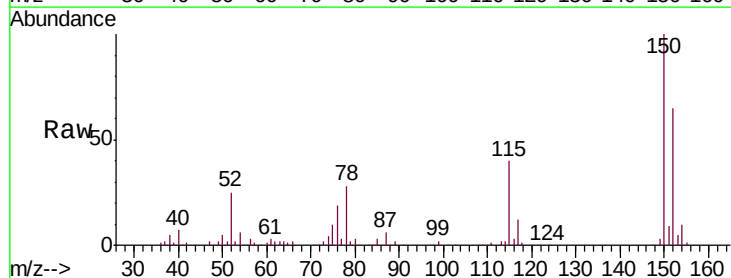
Acq: 05 Mar 2019 19:40

Tgt Ion: 75 Resp: 10091

Ion Ratio Lower Upper

75 100

77 34.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

