

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\  
 Data File : VV016579.D  
 Acq On : 06 Jun 2020 10:50  
 Operator : SY/MD  
 Sample : VV0606WBL01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK70

Quant Time: Jun 06 23:49:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 06 23:47:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 418433   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 388546   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 180112   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 125727   | 42.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.84%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 96736    | 45.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 177771   | 33.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.68%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 212166   | 111.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.96% |
| 24) Chloroform-d               | 4.37    | 84    | 267214   | 48.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 184702   | 49.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.18%  |
| 32) Benzene-d6                 | 5.07    | 84    | 534734   | 51.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.76% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 169718   | 52.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.66% |
| 41) Toluene-d8                 | 7.33    | 98    | 480738   | 50.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.72% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 70718    | 44.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.48%  |
| 47) 2-Hexanone-d5              | 8.10    | 63    | 156379   | 112.59   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.59% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 222462   | 50.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.16% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 187892   | 55.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.02% |

## Target Compounds

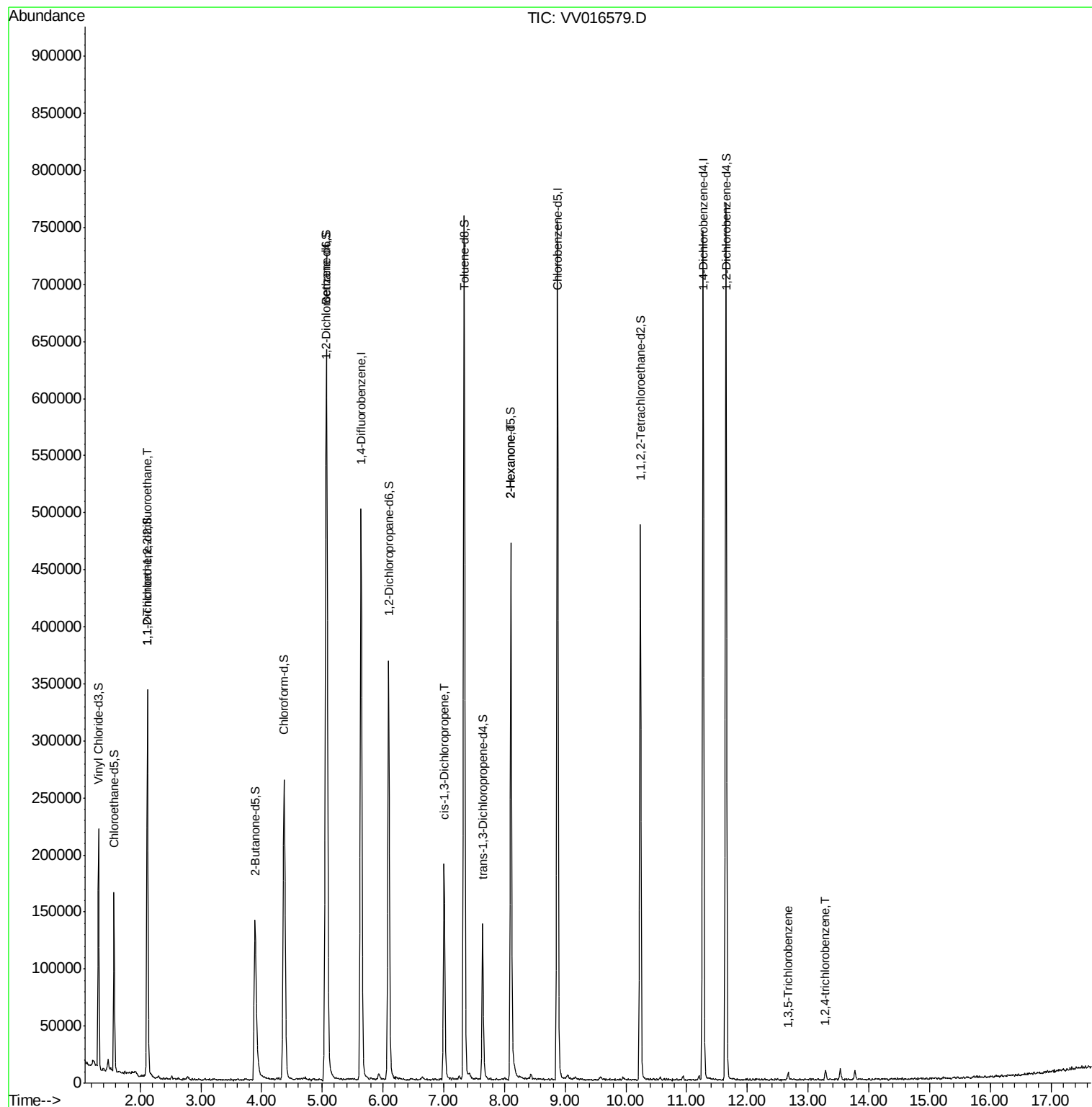
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 2112  | 0.875 ug/L # | 25     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 5213  | 1.200 ug/L # | 74     |
| 48) 2-Hexanone                 | 8.11  | 43  | 19170 | 6.017 ug/L # | 67     |
| 67) 1,3,5-Trichlorobenzene     | 12.67 | 180 | 1881  | 0.501 ug/L # | 89     |
| 68) 1,2,4-trichlorobenzene     | 13.29 | 180 | 2356  | 0.678 ug/L   | 96     |

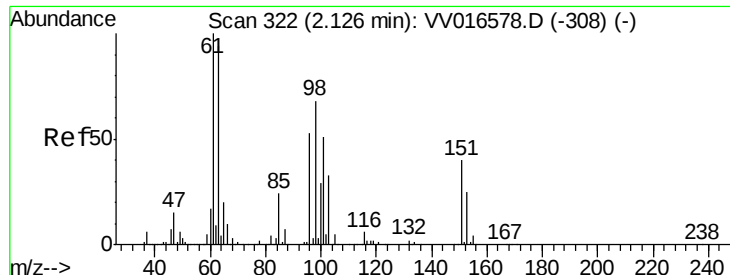
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jun 06 23:47:35 2020  
Response via : Initial Calibration





#10

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

Concen: 0.875 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016579.D

Acq: 06 Jun 2020 10:50

Instrument :

MSVOA\_V

ClientSampleId :

VBLK70

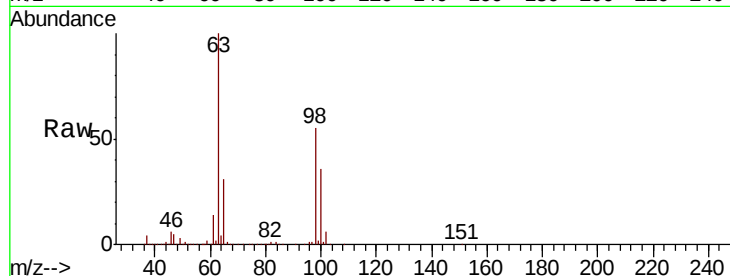
Tot Ion:101 Resp: 2112

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

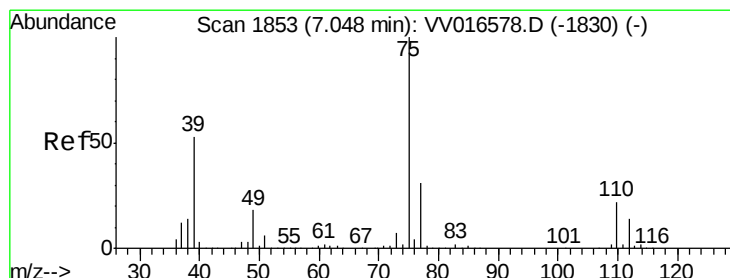
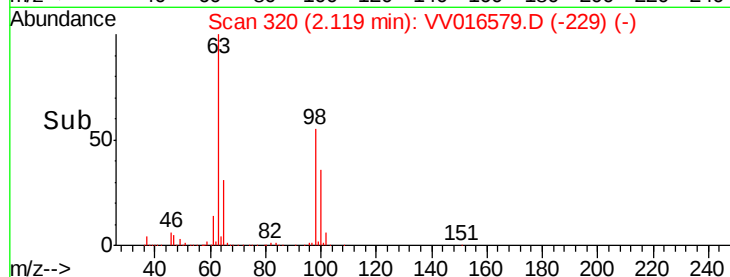
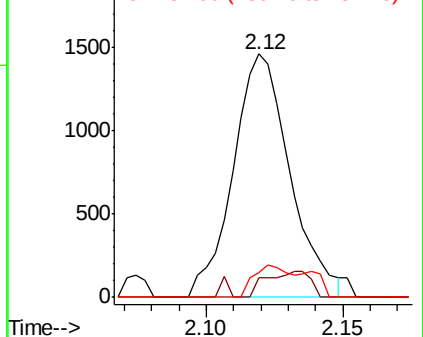
151 8.5 61.8 92.8#



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



#39

cis-1,3-Dichloropropene

Concen: 1.200 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV016579.D

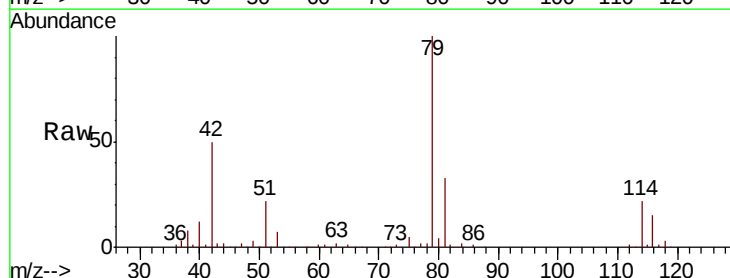
Acq: 06 Jun 2020 10:50

Tgt Ion: 75 Resp: 5213

Ion Ratio Lower Upper

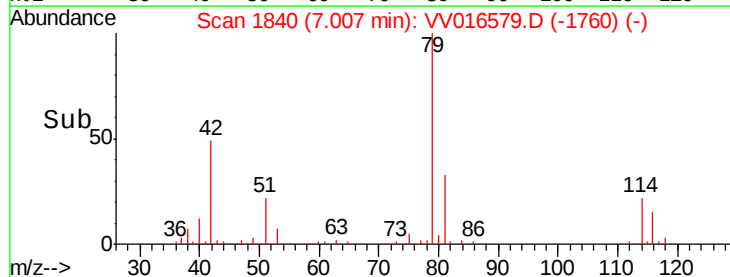
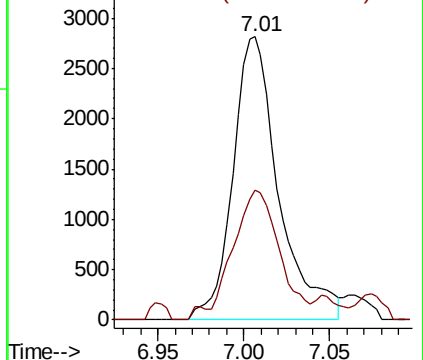
75 100

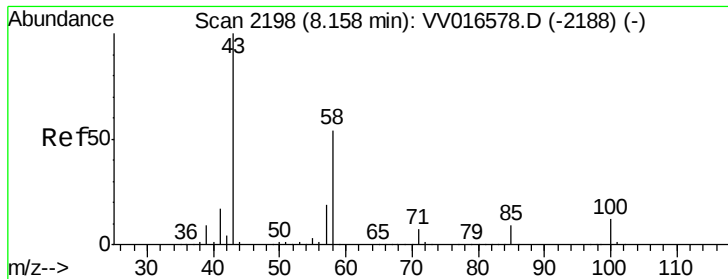
77 45.9 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#48

2-Hexanone

Concen: 6.017 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV016579.D

Acq: 06 Jun 2020 10:50

Instrument :

MSVOA\_V

ClientSampleId :

VBLK70

Tot Ion: 43 Resp: 19170

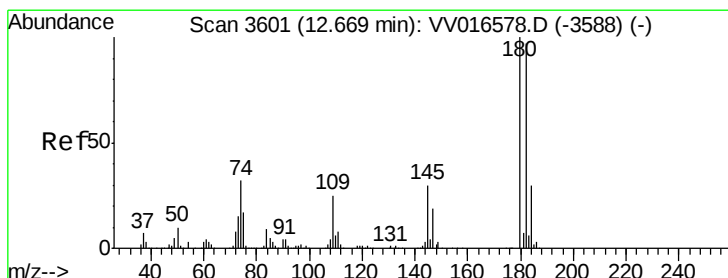
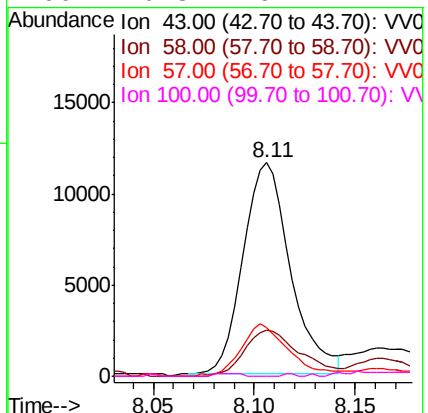
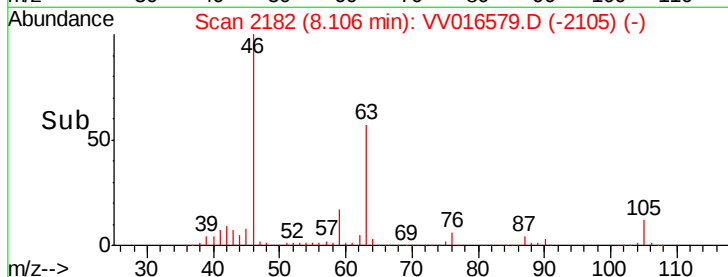
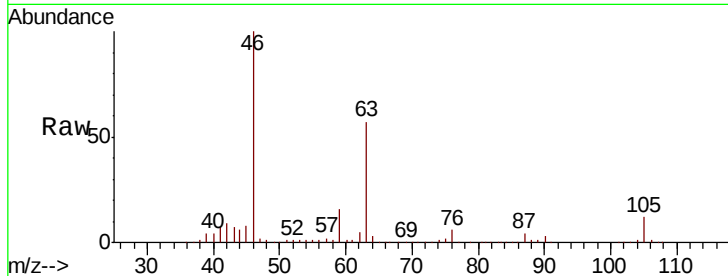
Ion Ratio Lower Upper

43 100

58 25.3 42.7 64.1#

57 25.2 14.5 21.7#

100 0.3 9.4 14.2#



#67

1,3,5-Trichlorobenzene

Concen: 0.501 ug/L

RT: 12.67 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VV016579.D

Acq: 06 Jun 2020 10:50

Tgt Ion:180 Resp: 1881

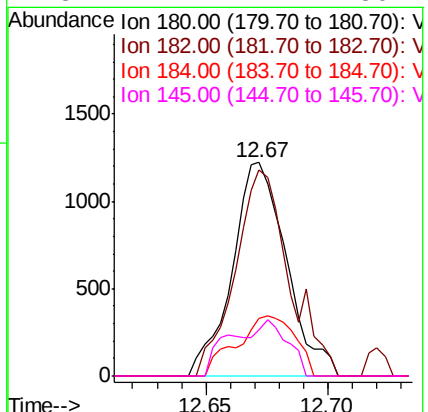
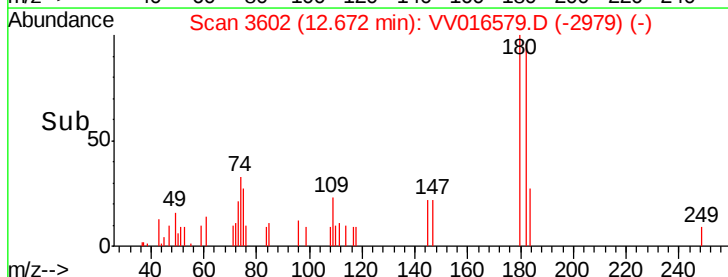
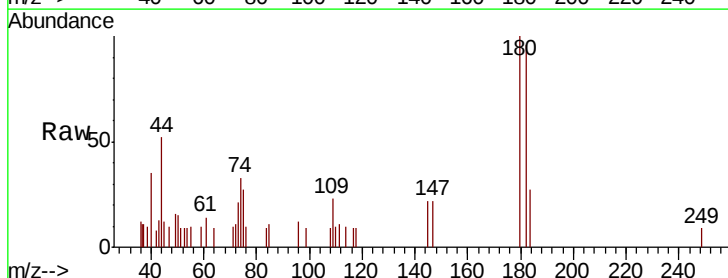
Ion Ratio Lower Upper

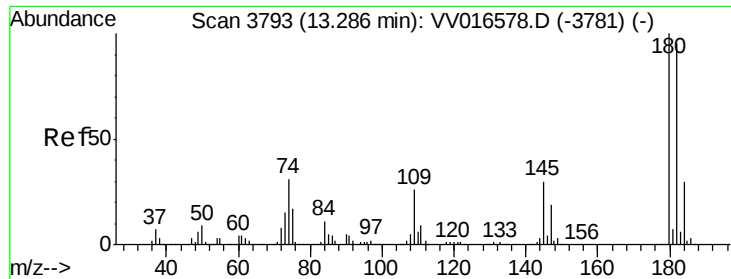
180 100

182 85.8 75.8 113.8

184 30.3 24.4 36.6

145 14.4 24.2 36.2#





#68

1,2,4-trichlorobenzene

Concen: 0.678 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.00 min

Lab File: VV016579.D

Acq: 06 Jun 2020 10:50

Instrument :

MSVOA\_V

ClientSampleId :

VBLK70

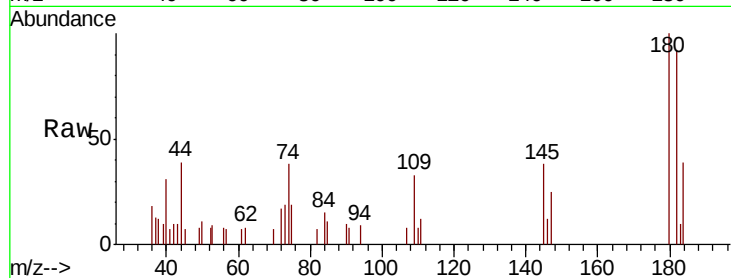
Tot Ion:180 Resp: 2356

Ion Ratio Lower Upper

180 100

182 95.2 74.6 111.8

145 35.4 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

2000 Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

