

Data File : VV013953.D  
Acq On : 09 Dec 2019 11:10  
Operator : SY/MD  
Sample : VV1209WBL01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK87

Quant Time: Dec 10 04:31:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 10 04:29:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 645544   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 626059   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 276379   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 185100   | 49.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.16% |
| 7) Chloroethane-d5             | 1.56    | 69    | 187618   | 48.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.28% |
| 11) 1,1-Dichloroethene-d2      | 2.06    | 63    | 157      | 0.02     | ug/L | -0.06  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.04%# |
| 21) 2-Butanone-d5              | 3.92    | 46    | 225043   | 85.64    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.64% |
| 24) Chloroform-d               | 4.39    | 84    | 344798   | 43.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.96% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 220344   | 44.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.70% |
| 32) Benzene-d6                 | 5.09    | 84    | 715883   | 44.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.26% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 221891   | 45.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.14% |
| 41) Toluene-d8                 | 7.35    | 98    | 626808   | 42.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.76% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 94435    | 39.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.70% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 129440   | 71.19    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.19% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 270630   | 38.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 76.76% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 261722   | 48.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.44% |

#### Target Compounds

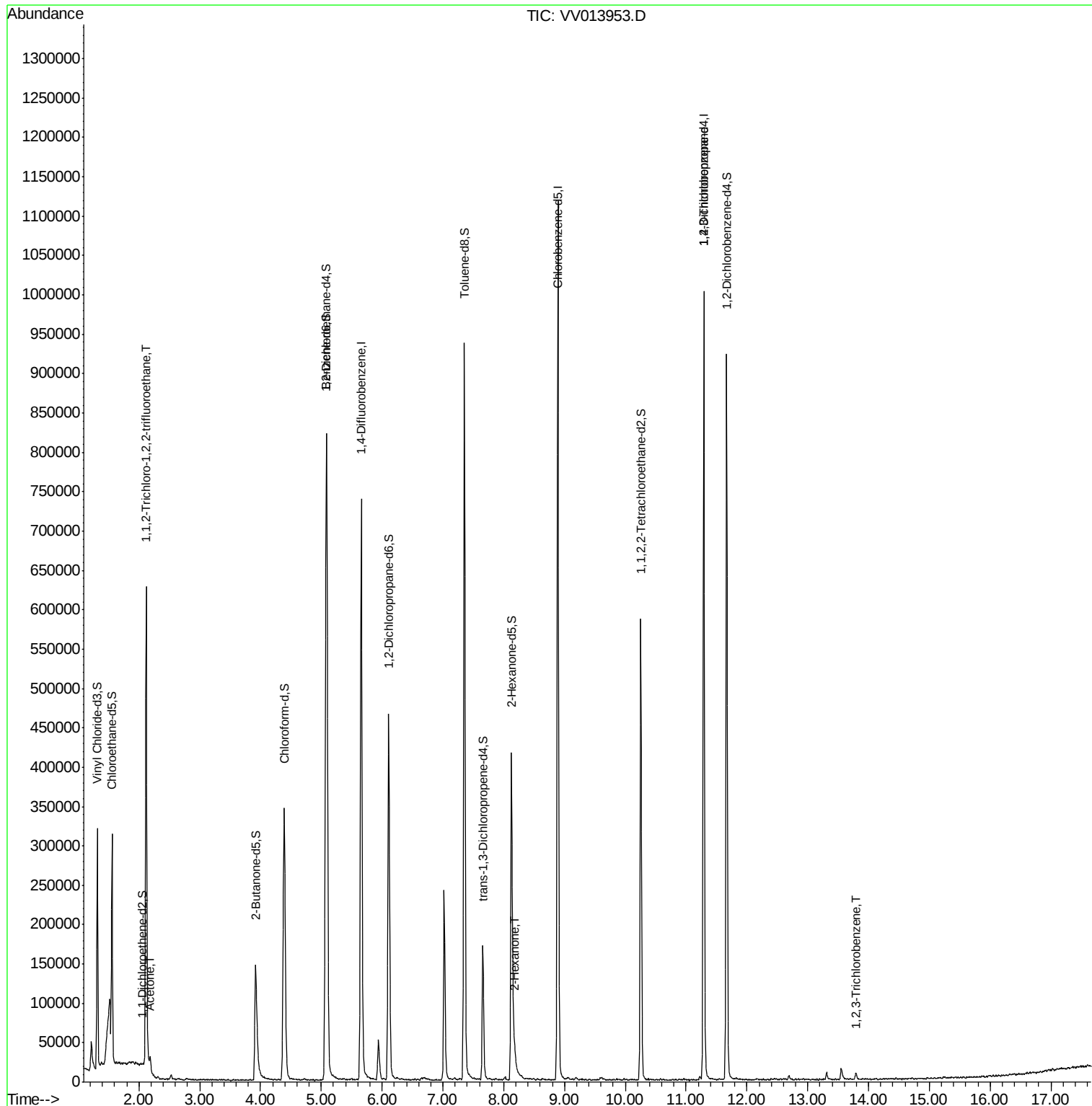
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 3176  | 0.654 ug/L # | 19     |
| 13) Acetone                    | 2.18  | 43  | 8571  | 2.226 ug/L   | 92     |
| 48) 2-Hexanone                 | 8.18  | 43  | 14842 | 3.162 ug/L # | 71     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 26212 | 4.293 ug/L   | 95     |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180 | 2883  | 0.415 ug/L # | 64     |

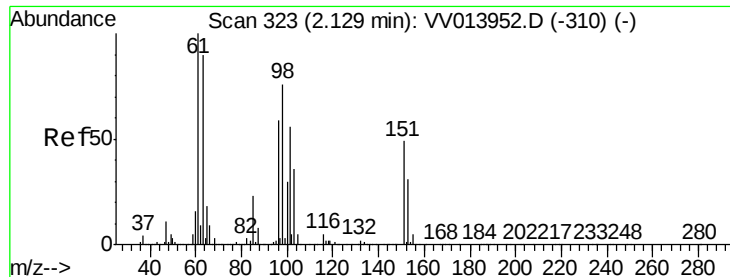
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013953.D  
Acq On : 09 Dec 2019 11:10  
Operator : SY/MD  
Sample : VV1209WBL01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK87

Quant Time: Dec 10 04:31:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 10 04:29:32 2019  
Response via : Initial Calibration





#10

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

Concen: 0.654 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV013953.D

Acq: 09 Dec 2019 11:10

Instrument :

MSVOA\_V

ClientSampleId :

VBLK87

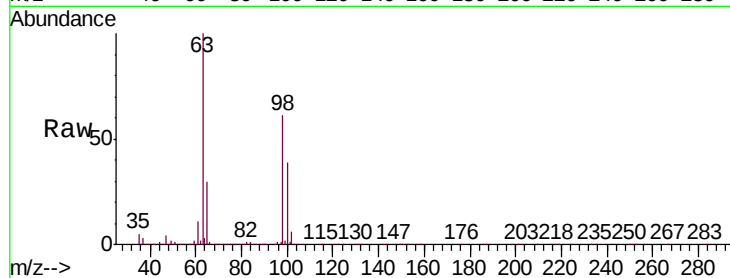
Tgt Ion: 101 Resp: 3176

Ion Ratio Lower Upper

101 100

85 2.9 32.5 48.7#

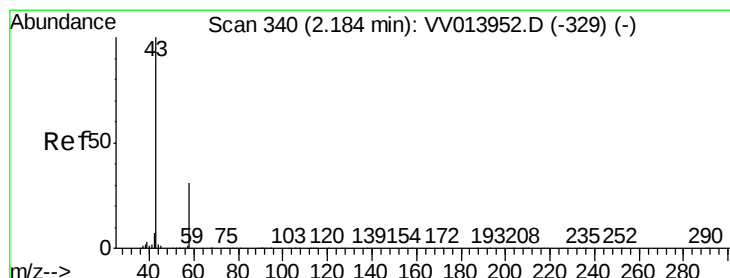
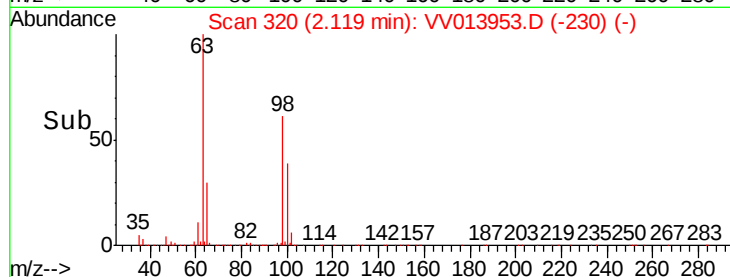
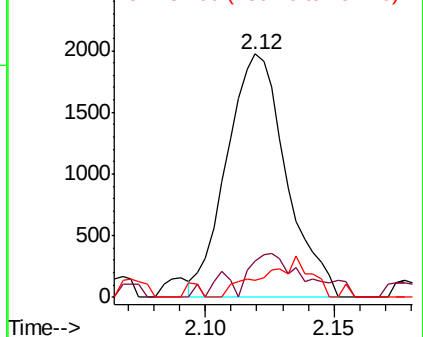
151 3.1 69.8 104.6#



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



#13

Acetone

Concen: 2.226 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013953.D

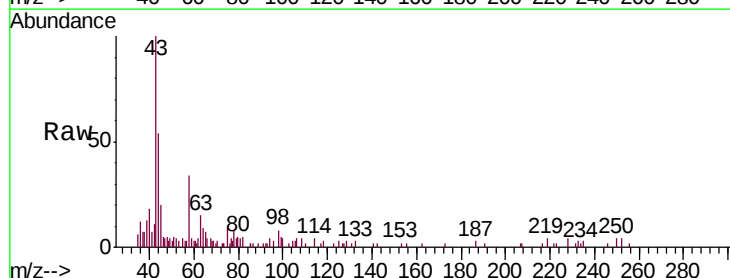
Acq: 09 Dec 2019 11:10

Tgt Ion: 43 Resp: 8571

Ion Ratio Lower Upper

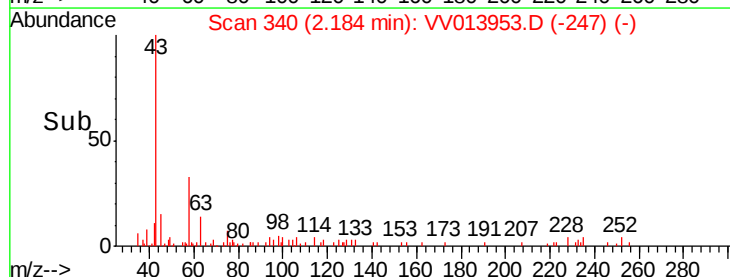
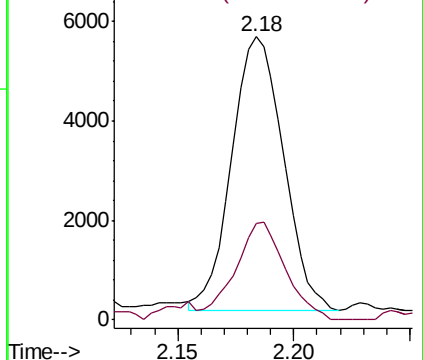
43 100

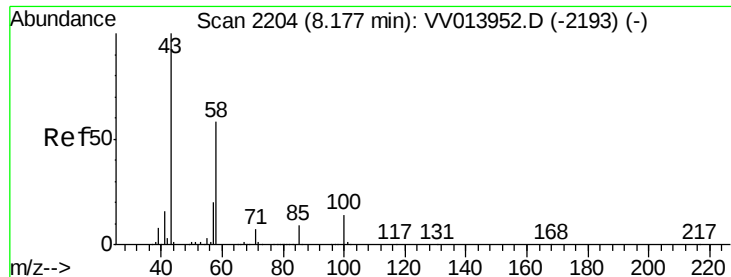
58 34.6 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#48

2-Hexanone

Concen: 3.162 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV013953.D

Acq: 09 Dec 2019 11:10

Instrument :

MSVOA\_V

ClientSampled :

VBLK87

Tgt Ion: 43 Resp: 14842

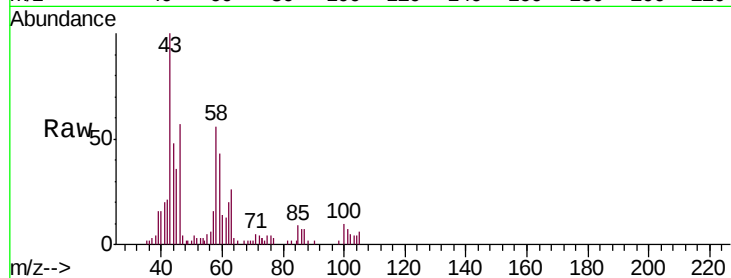
Ion Ratio Lower Upper

43 100

58 37.9 48.4 72.6#

57 1.1 16.6 24.8#

100 11.6 11.9 17.9#



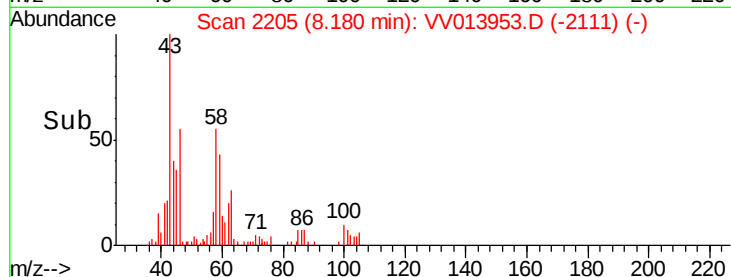
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

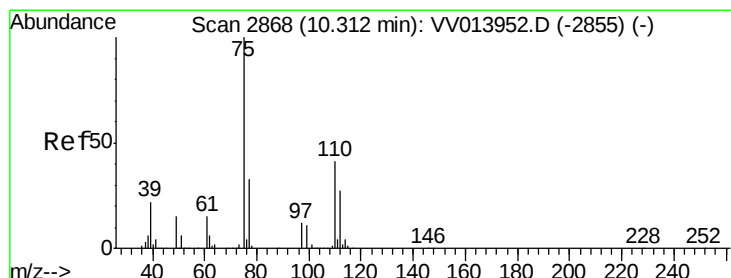
Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 4.293 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV013953.D

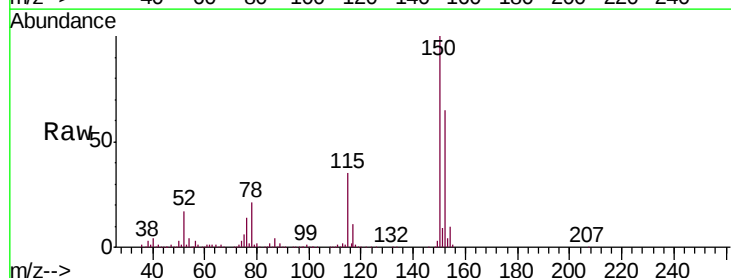
Acq: 09 Dec 2019 11:10

Tgt Ion: 75 Resp: 26212

Ion Ratio Lower Upper

75 100

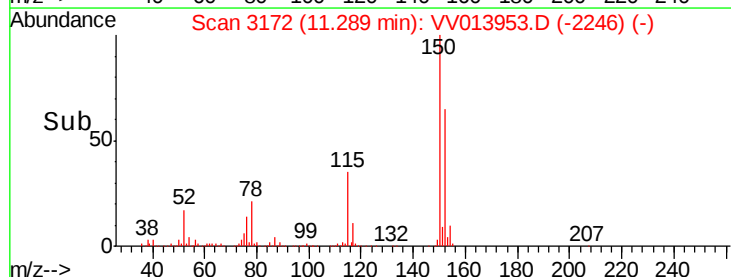
77 35.3 25.8 38.8



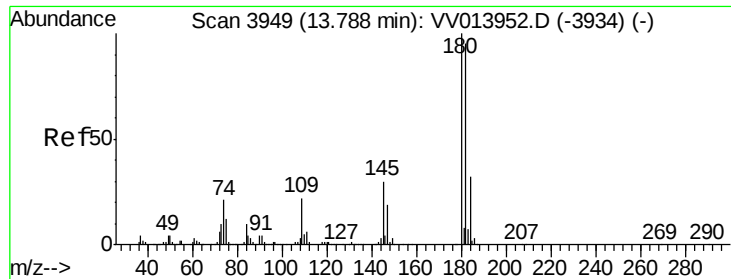
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Time-->



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 0.415 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VV013953.D

Acq: 09 Dec 2019 11:10

Instrument :

MSVOA\_V

ClientSampleId :

VBLK87

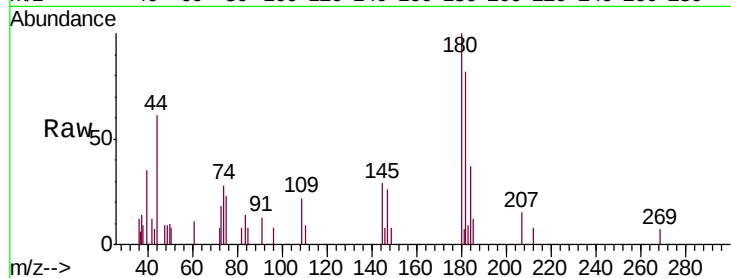
Tgt Ion:180 Resp: 2883

Ion Ratio Lower Upper

180 100

182 52.4 77.0 115.4#

145 24.5 22.6 34.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

