

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\  
 Data File : VV018248.D  
 Acq On : 16 Sep 2020 20:41  
 Operator : SY/MD  
 Sample : L4042-02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 17 05:35:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 17 05:33:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 291545   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 287760   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 136914   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 96994    | 40.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.64% |
| 7) Chloroethane-d5             | 1.58    | 69    | 79723    | 41.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.02% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 137842   | 31.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.26% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 126101   | 86.71    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.71% |
| 24) Chloroform-d               | 4.38    | 84    | 172334   | 41.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.62% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 114662   | 43.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.78% |
| 32) Benzene-d6                 | 5.08    | 84    | 344834   | 41.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.72% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 110586   | 42.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.50% |
| 41) Toluene-d8                 | 7.34    | 98    | 307612   | 40.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.94% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 53459    | 40.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.38% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 90569    | 91.35    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.35% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 148415   | 45.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.36% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 128257   | 45.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.22% |

## Target Compounds

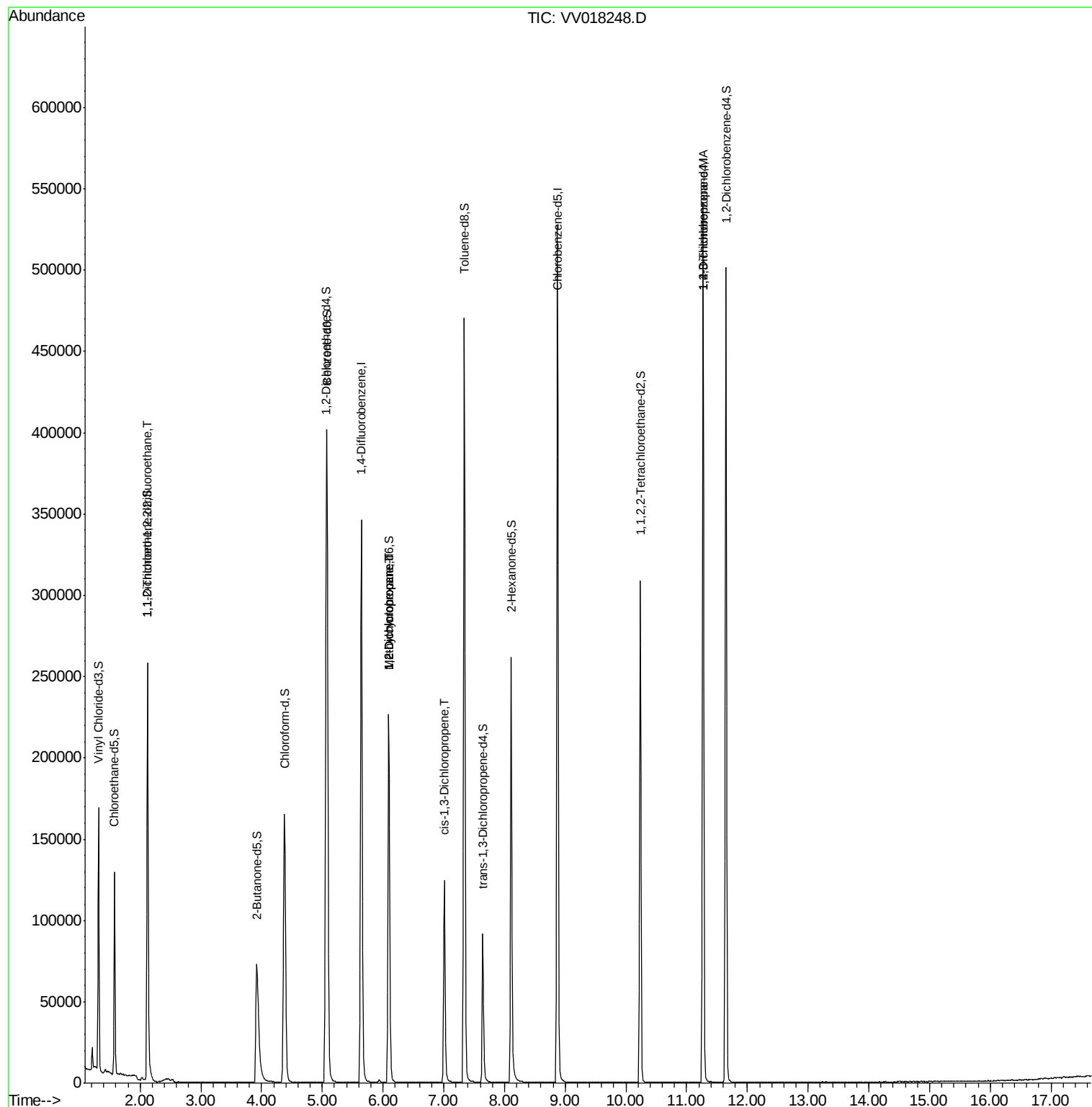
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1301  | 0.661 ug/L # | 19     |
| 35) Methylcyclohexane          | 6.09  | 83  | 26373 | 7.815 ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 12063 | 5.533 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 2881  | 0.858 ug/L # | 63     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 15877 | 6.192 ug/L   | 95     |

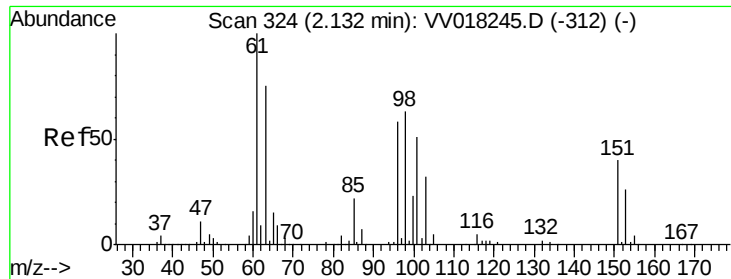
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 17 05:33:55 2020  
Response via : Initial Calibration





#10

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

Concen: 0.661 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018248.D

Acq: 16 Sep 2020 20:41

Instrument :

MSVOA\_V

ClientSampleId :

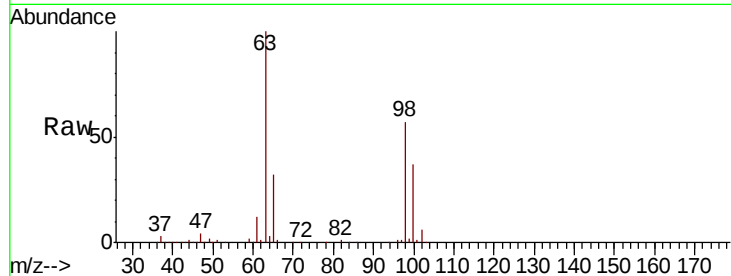
Tot Ion:101 Resp: 1301

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

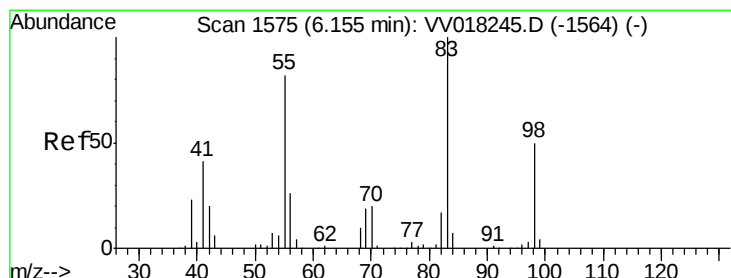
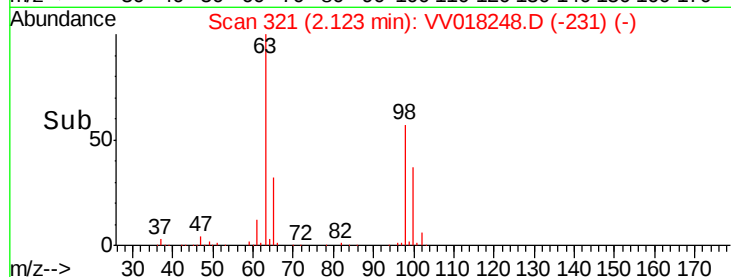
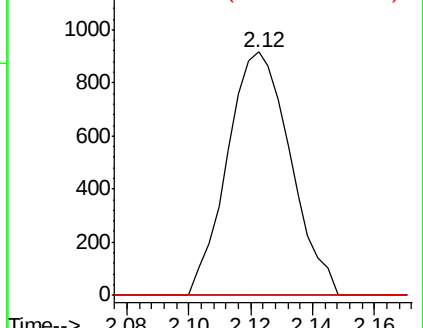
151 0.0 62.2 93.2#



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



#35

Methylcyclohexane

Concen: 7.815 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018248.D

Acq: 16 Sep 2020 20:41

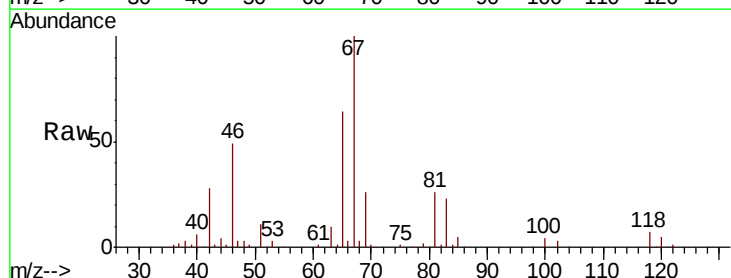
Tgt Ion: 83 Resp: 26373

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

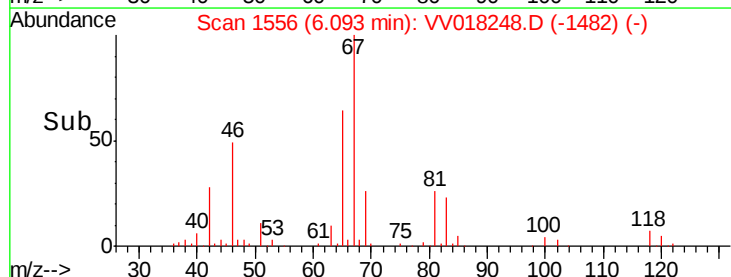
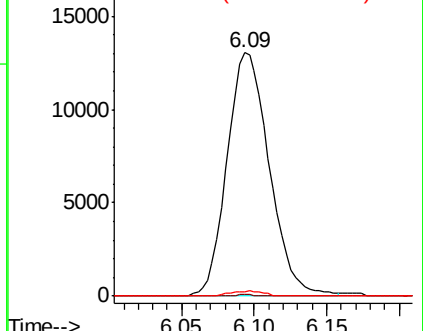
98 1.6 38.8 58.2#

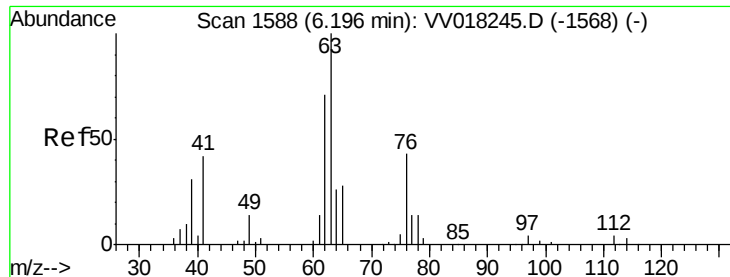


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.533 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018248.D

Acq: 16 Sep 2020 20:41

Instrument :

MSVOA\_V

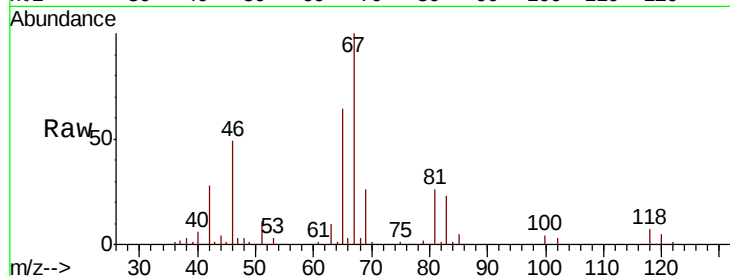
ClientSampleId :

Tot Ion: 63 Resp: 12063

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018245.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV018245.D (-1568) (-)

6.09

6000

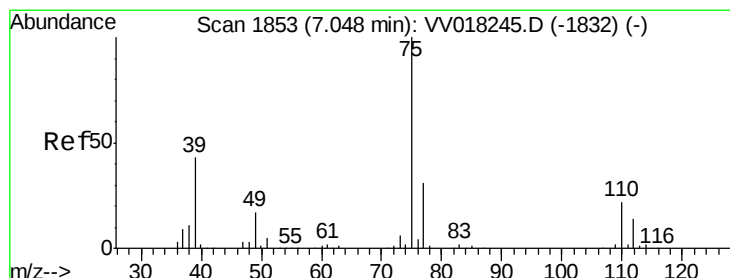
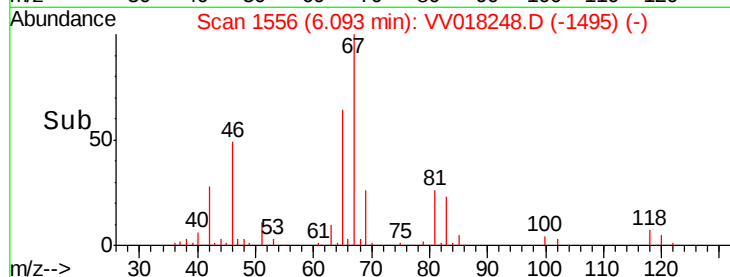
4000

2000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.858 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018248.D

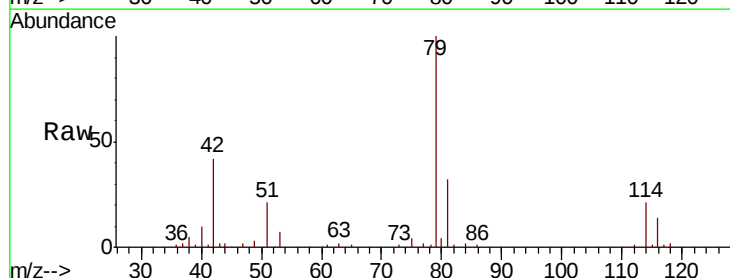
Acq: 16 Sep 2020 20:41

Tgt Ion: 75 Resp: 2881

Ion Ratio Lower Upper

75 100

77 52.2 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV018245.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV018245.D (-1832) (-)

7.01

1500

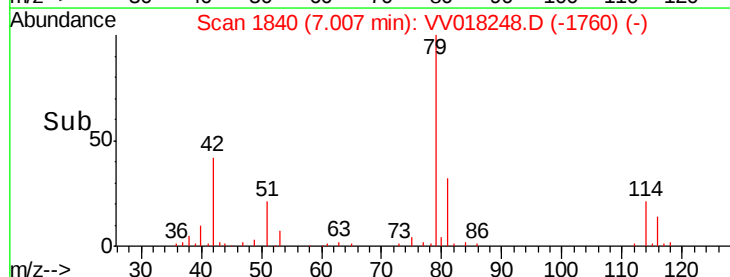
1000

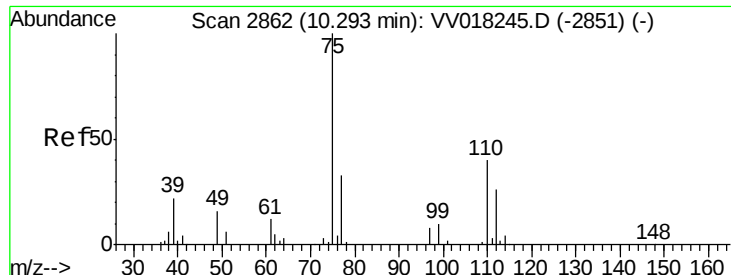
500

0

7.00 7.05

Time-->





#59

1,2,3-Trichloropropane

Concen: 6.192 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018248.D

Acq: 16 Sep 2020 20:41

Instrument :

MSVOA\_V

ClientSampleId :

Tot Ion: 75 Resp: 15877

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.6

