

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\  
 Data File : VV019579.D  
 Acq On : 13 Dec 2020 01:16  
 Operator : SY/MD  
 Sample : L4998-08  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AS7

Quant Time: Dec 13 07:41:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 13 07:40:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 623056   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 575912   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 264183   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 245465   | 54.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 109.88% |
| 7) Chloroethane-d5             | 1.57    | 69    | 200846   | 57.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 114.00% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 353154   | 42.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.18%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 291701   | 120.12   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 120.12% |
| 24) Chloroform-d               | 4.35    | 84    | 427636   | 53.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.22% |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 301897   | 57.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.74% |
| 32) Benzene-d6                 | 5.05    | 84    | 872079   | 56.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.56% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 273844   | 56.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 113.82% |
| 41) Toluene-d8                 | 7.32    | 98    | 765042   | 55.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.64% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 135797   | 49.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.24%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 210374   | 111.40   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 351371   | 53.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.98% |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 277589   | 56.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.42% |

## Target Compounds

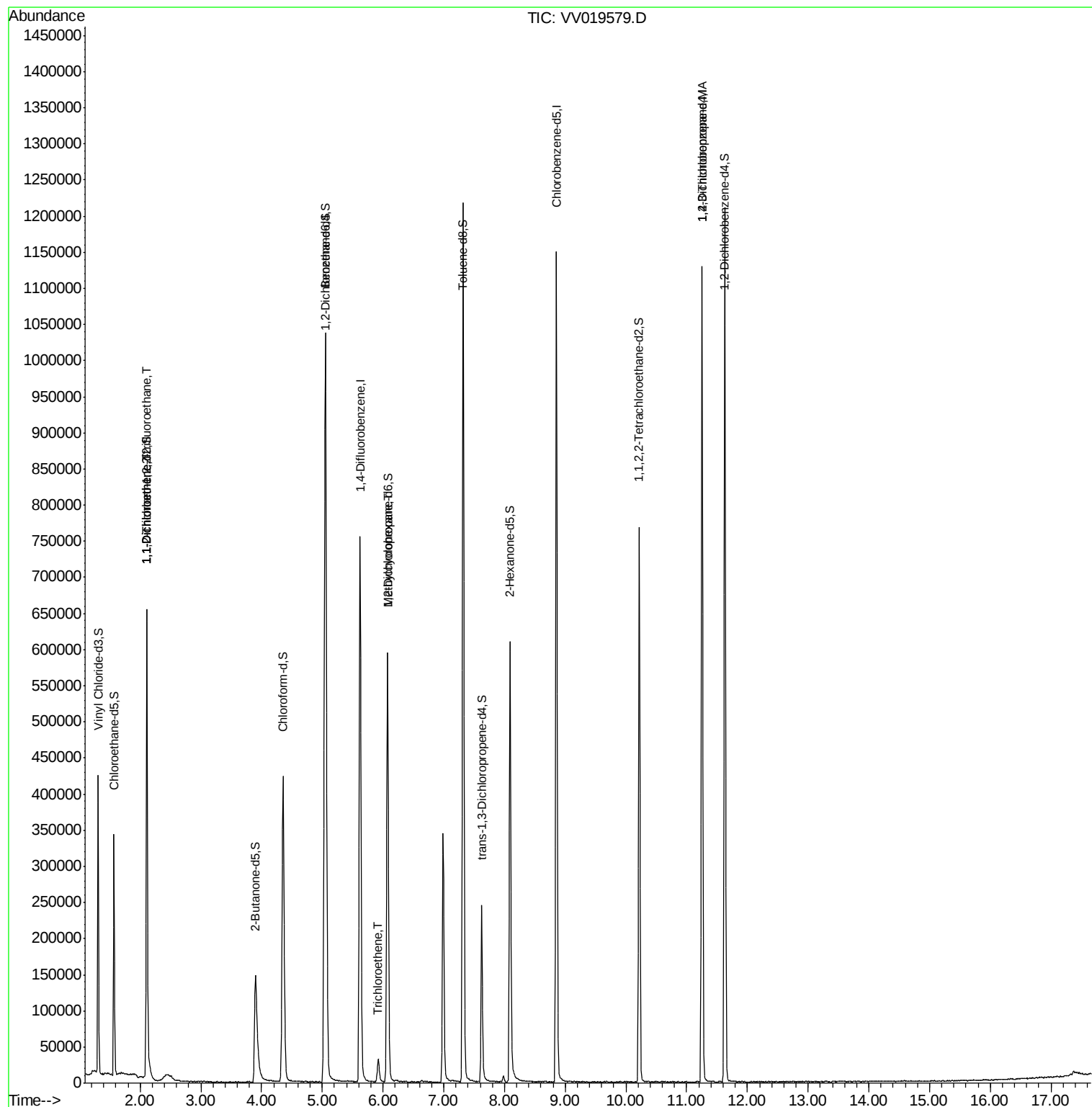
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 3109  | 0.860 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.11  | 96  | 3314  | 0.893 ug/L # | 1      |
| 34) Trichloroethene            | 5.92  | 95  | 10032 | 2.256 ug/L   | 94     |
| 35) Methylcyclohexane          | 6.07  | 83  | 66965 | 9.914 ug/L # | 18     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 36857 | 6.741 ug/L   | 90     |

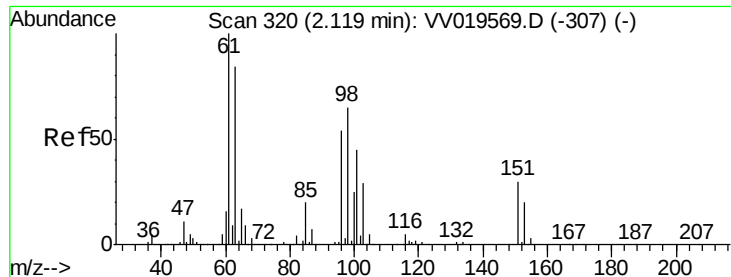
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV121220\  
Data File : VV019579.D  
Acq On : 13 Dec 2020 01:16  
Operator : SY/MD  
Sample : L4998-08  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AS7

Quant Time: Dec 13 07:41:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sun Dec 13 07:40:15 2020  
Response via : Initial Calibration





#10

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

Concen: 0.860 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019579.D

Acq: 13 Dec 2020 01:16

Instrument :

MSVOA\_V

ClientSampleId :

C0AS7

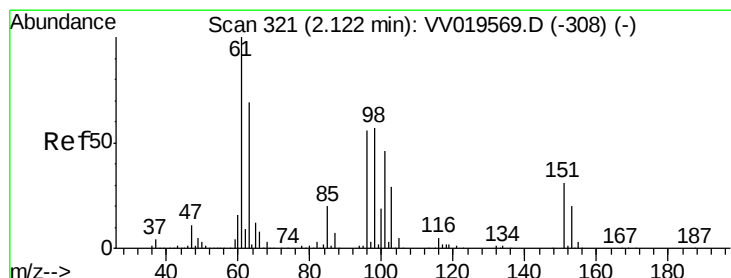
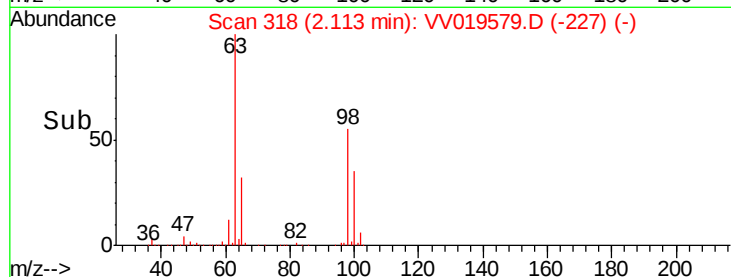
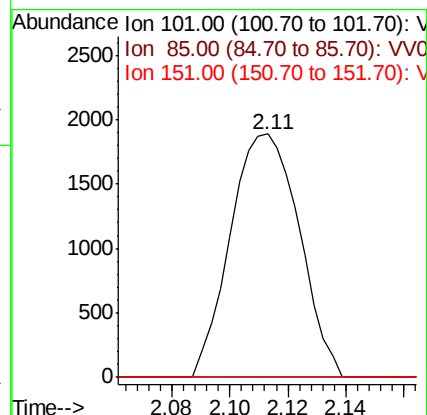
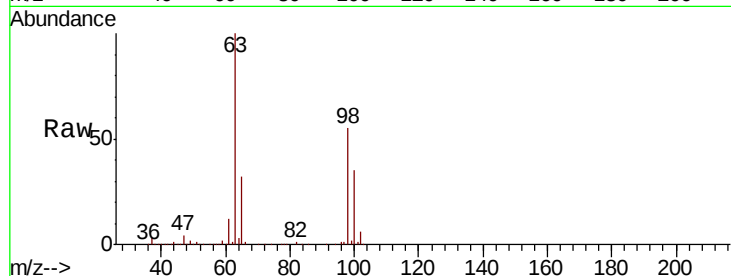
Tot Ion:101 Resp: 3109

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.893 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019579.D

Acq: 13 Dec 2020 01:16

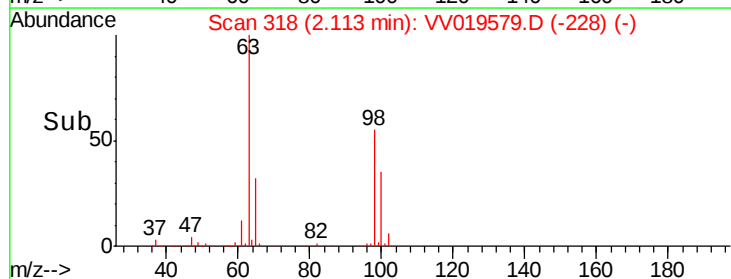
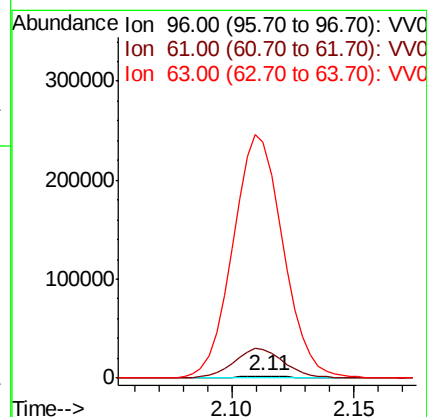
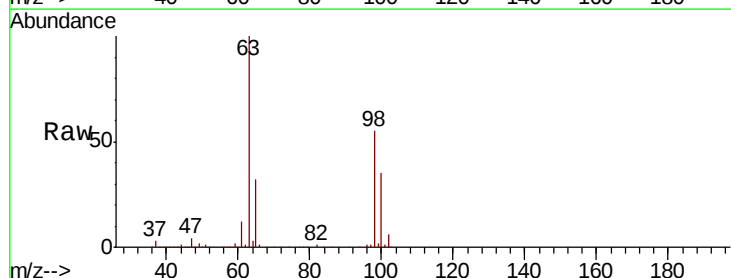
Tgt Ion: 96 Resp: 3314

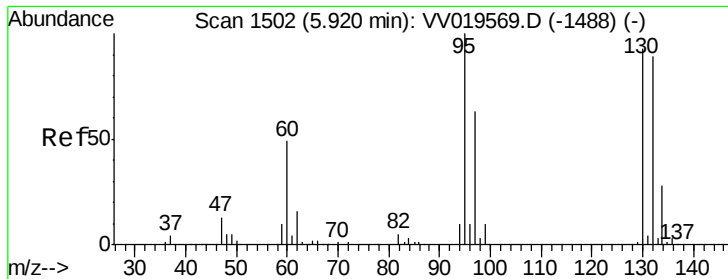
Ion Ratio Lower Upper

96 100

61 1372.9 120.7 224.1#

63 11319.8 64.3 119.5#





#34

Trichloroethene

Concen: 2.256 ug/L

RT: 5.92 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VV019579.D

Acq: 13 Dec 2020 01:16

Instrument :

MSVOA\_V

ClientSampleId :

C0AS7

Tot Ion: 95 Resp: 10032

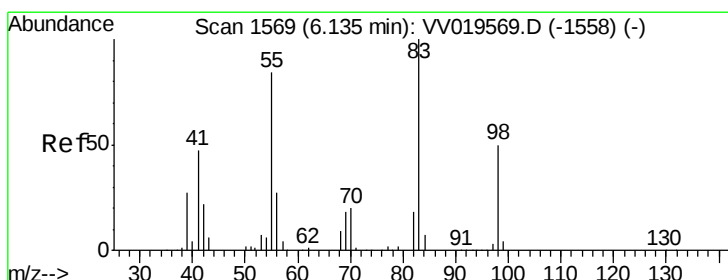
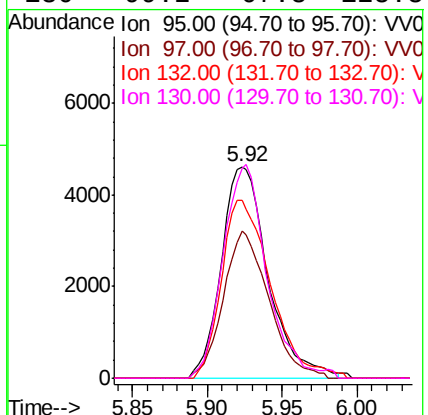
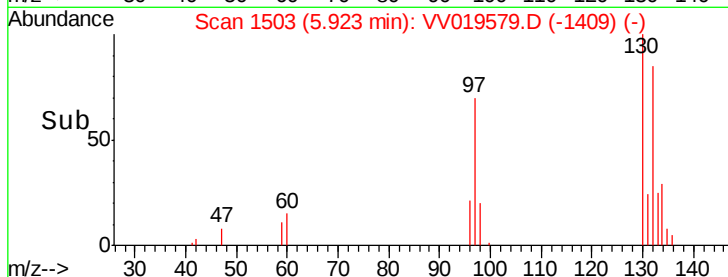
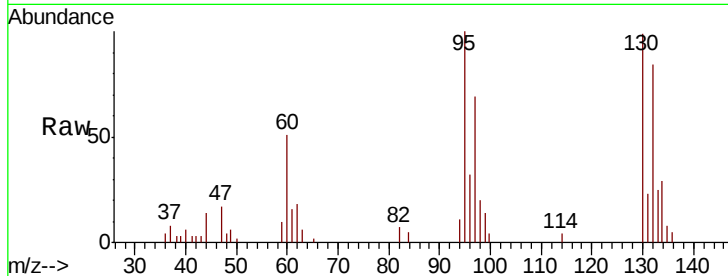
Ion Ratio Lower Upper

95 100

97 69.3 44.4 82.4

132 84.0 64.3 119.3

130 99.2 67.8 125.8



#35

Methylcyclohexane

Concen: 9.914 ug/L

RT: 6.07 min Scan# 1550

Delta R.T. -0.06 min

Lab File: VV019579.D

Acq: 13 Dec 2020 01:16

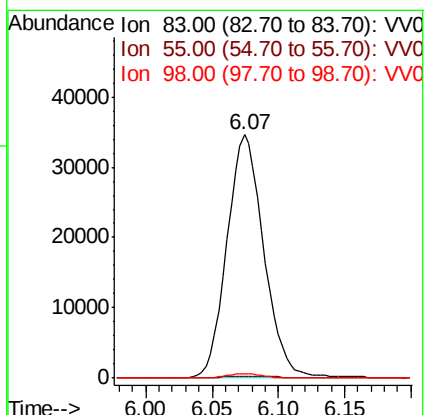
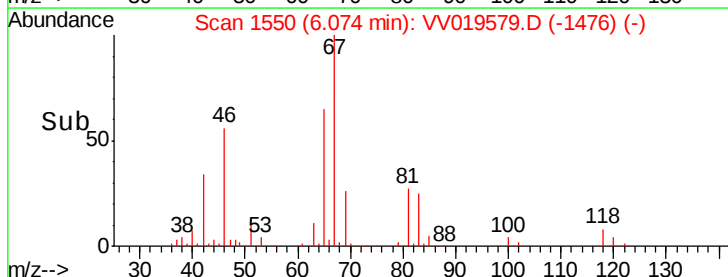
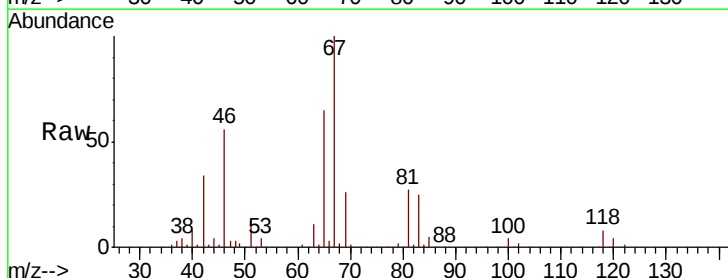
Tgt Ion: 83 Resp: 66965

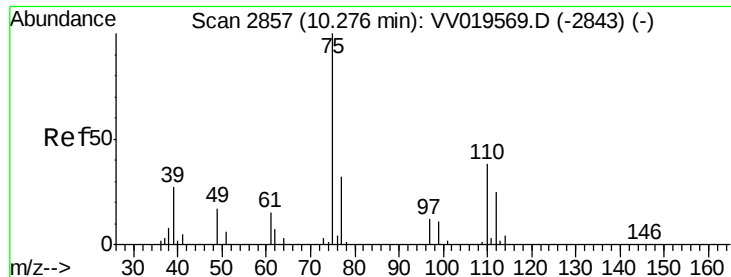
Ion Ratio Lower Upper

83 100

55 0.8 64.2 96.4#

98 1.7 39.3 58.9#





#59

1,2,3-Trichloropropane

Concen: 6.741 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019579.D

Acq: 13 Dec 2020 01:16

Instrument :

MSVOA\_V

ClientSampleId :

C0AS7

Tot Ion: 75 Resp: 36857

Ion Ratio Lower Upper

75 100

77 37.8 25.8 38.8

