

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121620\  
 Data File : VV019682.D  
 Acq On : 16 Dec 2020 18:11  
 Operator : SY/MD  
 Sample : L5062-14  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 17 00:32:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 17 00:30:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 597032   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 555898   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 251540   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 212700   | 49.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.36%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 170000   | 50.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.70% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 306436   | 38.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.14%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 291054   | 125.08   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 125.08% |
| 24) Chloroform-d               | 4.35    | 84    | 371583   | 48.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 260903   | 51.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.48% |
| 32) Benzene-d6                 | 5.05    | 84    | 757982   | 51.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.24% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 239675   | 51.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.22% |
| 41) Toluene-d8                 | 7.32    | 98    | 659515   | 49.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.82%  |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 107947   | 40.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.72%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 195419   | 107.21   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.21% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 294949   | 46.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 239361   | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.82% |

## Target Compounds

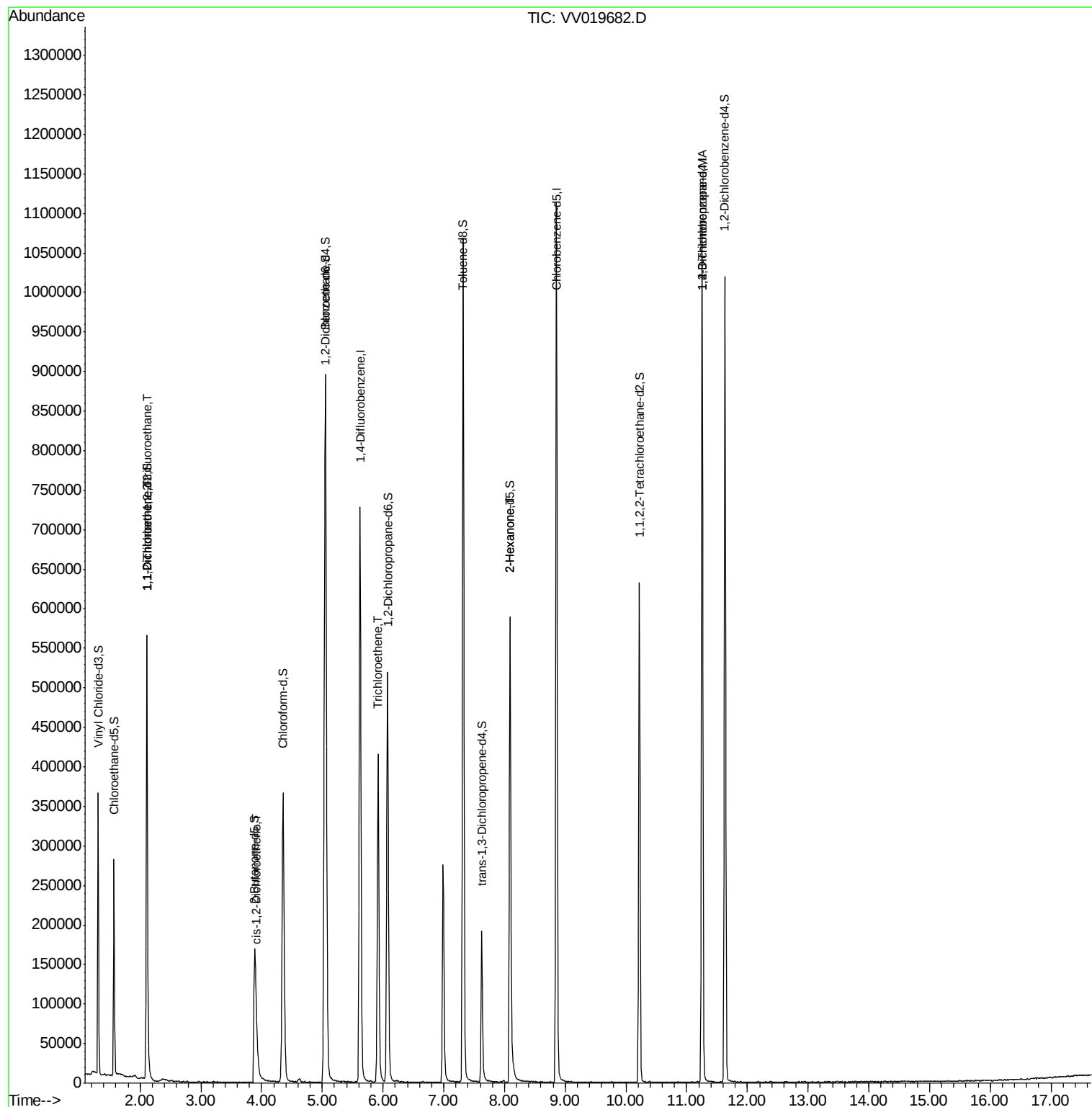
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11  | 101 | 2659   | 0.767 ug/L # | 24     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 10288  | 2.893 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene     | 3.92  | 96  | 8498   | 1.983 ug/L # | 96     |
| 34) Trichloroethene            | 5.92  | 95  | 145605 | 33.927 ug/L  | 98     |
| 48) 2-Hexanone                 | 8.09  | 43  | 24683  | 5.314 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane     | 11.25 | 75  | 34413  | 6.521 ug/L # | 87     |

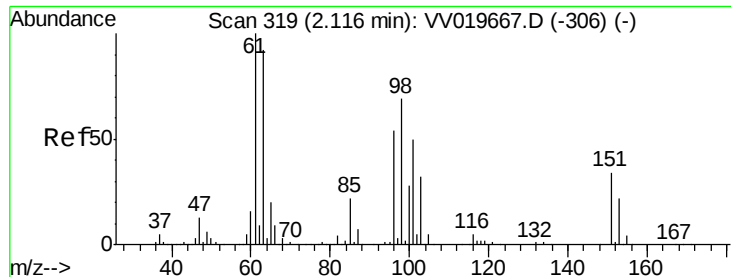
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L5062-14  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Dec 17 00:32:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 17 00:30:07 2020  
Response via : Initial Calibration





#10

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

Concen: 0.767 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019682.D

Acq: 16 Dec 2020 18:11

Instrument :

MSVOA\_V

ClientSampleId :

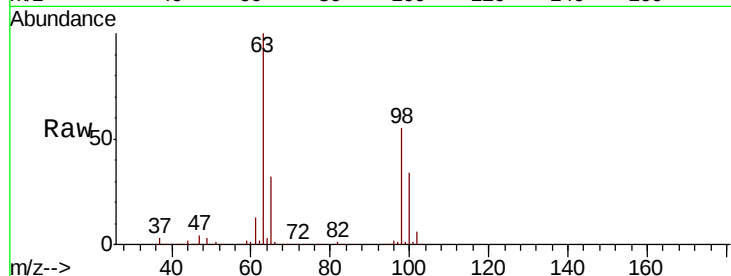
Tot Ion:101 Resp: 2659

Ion Ratio Lower Upper

101 100

85 2.6 35.0 52.4#

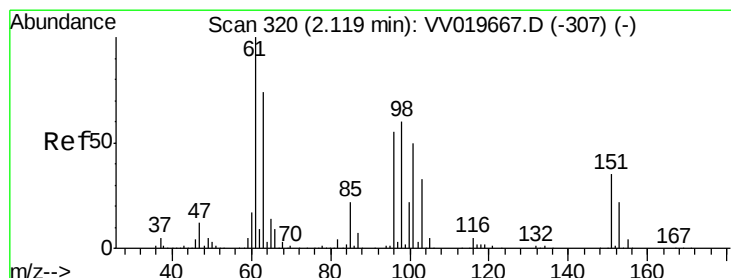
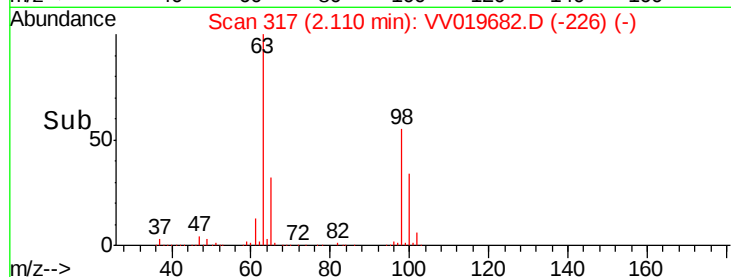
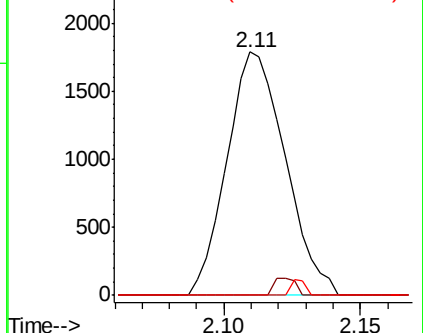
151 1.7 55.8 83.8#



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



#12

1,1-Dichloroethene

Concen: 2.893 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019682.D

Acq: 16 Dec 2020 18:11

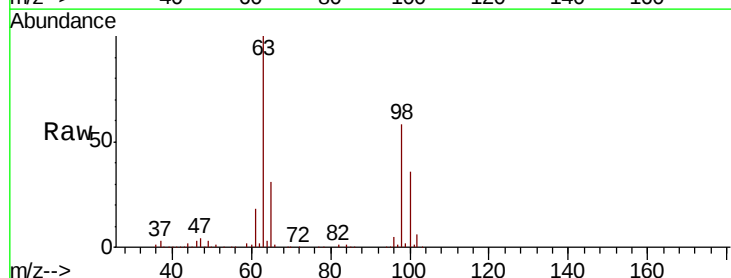
Tgt Ion: 96 Resp: 10288

Ion Ratio Lower Upper

96 100

61 386.9 120.7 224.1#

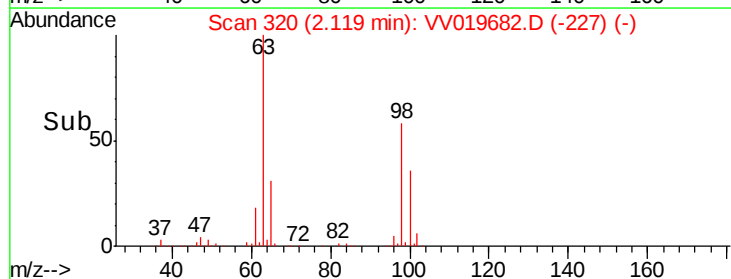
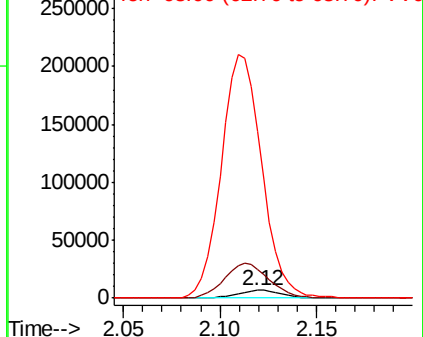
63 2207.0 64.3 119.5#

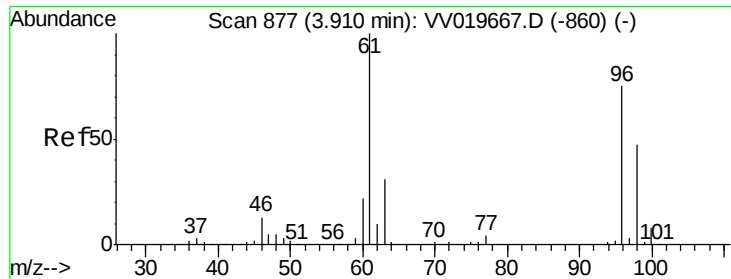


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

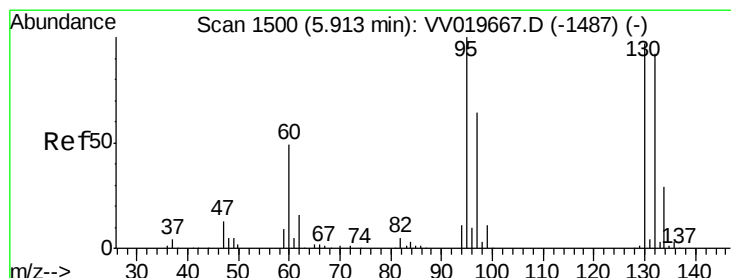
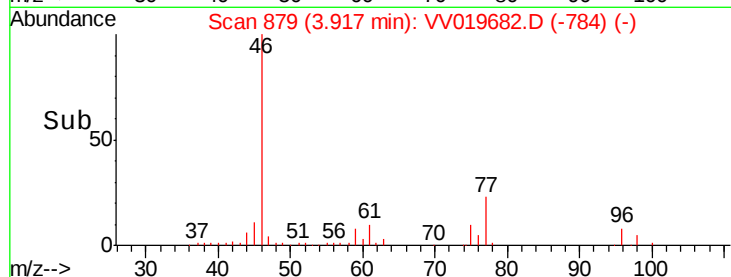
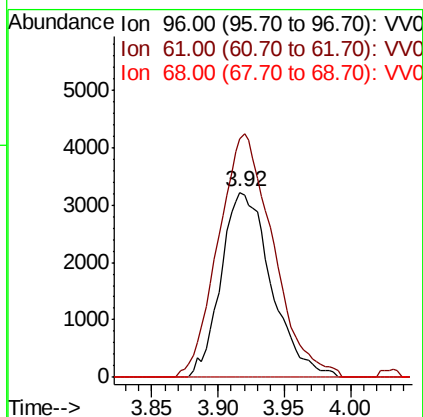
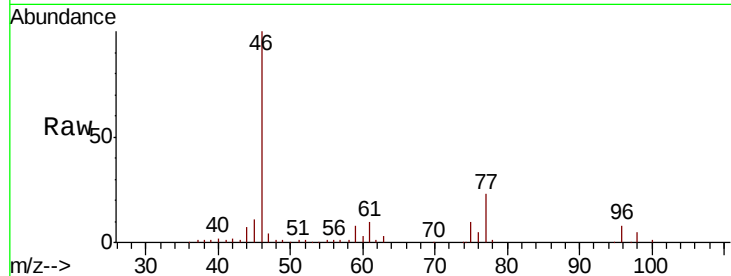




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.983 ug/L  
 RT: 3.92 min Scan# 879  
 Delta R.T. 0.01 min  
 Lab File: VV019682.D  
 Acq: 16 Dec 2020 18:11

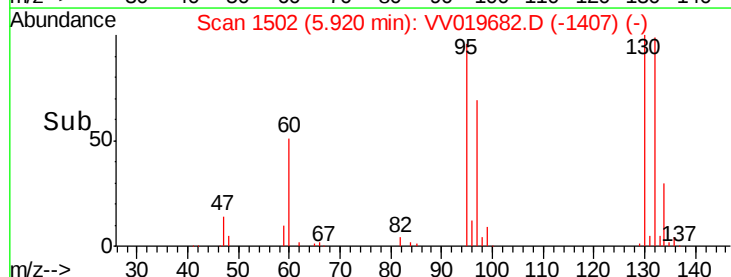
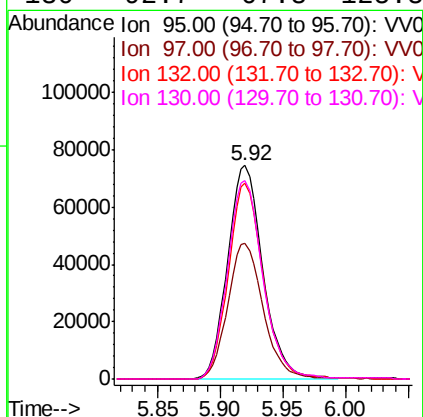
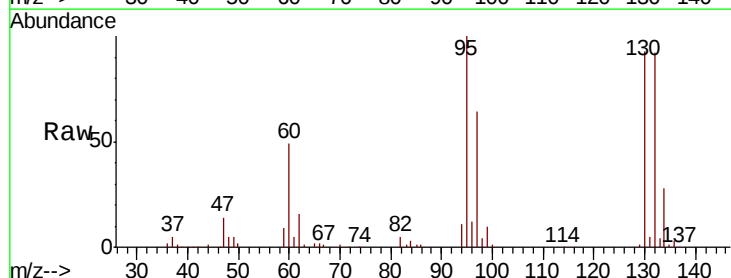
Instrument :  
 MSVOA\_V  
 ClientSampled :

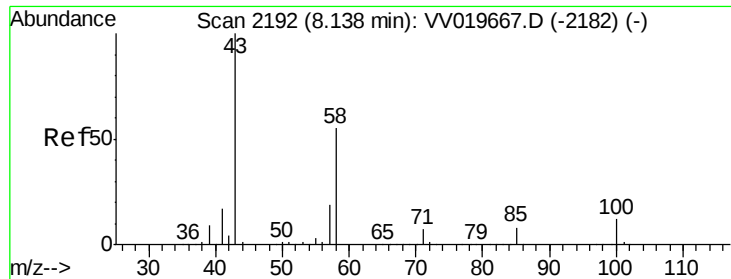
Tot Ion: 96 Resp: 8498  
 Ion Ratio Lower Upper  
 96 100  
 61 129.4 94.1 174.8  
 68 0.0 0.1 0.1#



#34  
 Trichloroethene  
 Concen: 33.927 ug/L  
 RT: 5.92 min Scan# 1502  
 Delta R.T. 0.01 min  
 Lab File: VV019682.D  
 Acq: 16 Dec 2020 18:11

Tgt Ion: 95 Resp: 145605  
 Ion Ratio Lower Upper  
 95 100  
 97 63.6 44.4 82.4  
 132 91.7 64.3 119.3  
 130 92.7 67.8 125.8

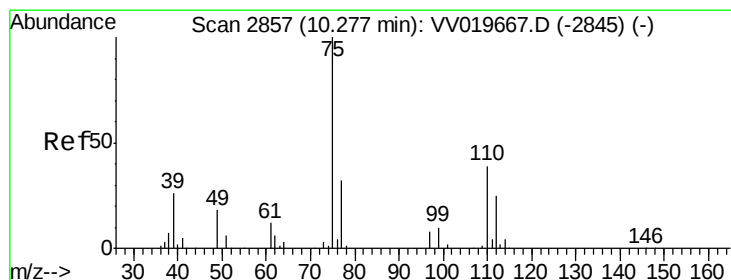
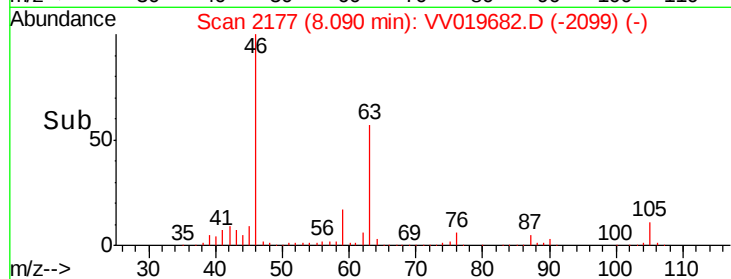
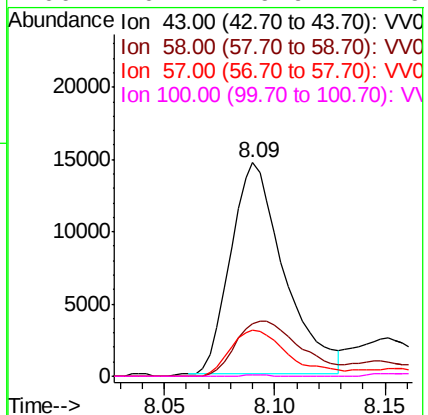
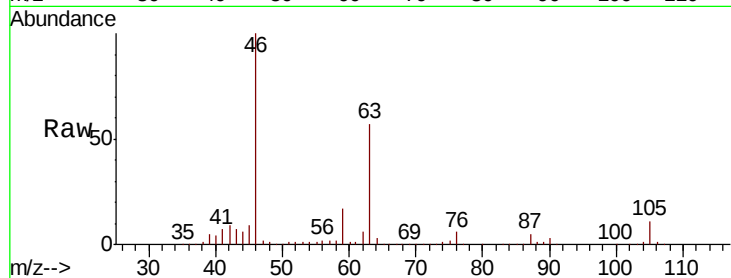




#48  
2-Hexanone  
Concen: 5.314 ug/L  
RT: 8.09 min Scan# 2177  
Delta R.T. -0.05 min  
Lab File: VV019682.D  
Acq: 16 Dec 2020 18:11

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 24683  
Ion Ratio Lower Upper  
43 100  
58 31.2 44.4 66.6#  
57 23.7 15.7 23.5#  
100 0.4 9.9 14.9#



#59  
1,2,3-Trichloropropane  
Concen: 6.521 ug/L  
RT: 11.25 min Scan# 3161  
Delta R.T. 0.98 min  
Lab File: VV019682.D  
Acq: 16 Dec 2020 18:11

Tgt Ion: 75 Resp: 34413  
Ion Ratio Lower Upper  
75 100  
77 39.7 25.8 38.8#

