Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121420\
Data File : VV019607.D
Acq On : 14 Dec 2020 16:16
Operator : SY/MD
Sample : L4955-20DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG4L9DL

Quant Time: Dec 15 07:23:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 15 07:21:43 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.62 | 114 | 635342 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.86 | 117 | 583718 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152 | 267698 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 221175 | 48.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 97.10% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 189464 | 52.73 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 105.46% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.11 | 63 | 326634 | 38.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 77.26% | | | |
| 21) 2-Butanone-d5 | 3.90 | 46 | 283011 | 114.29 | ug/L | 0.01 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 114.29% | | | |
| 24) Chloroform-d | 4.35 | 84 | 420009 | 51.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 102.30% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.04 | 65 | 289569 | 53.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 107.92% | | | |
| 32) Benzene-d6 | 5.05 | 84 | 836881 | 53.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 107.52% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.07 | 67 | 266654 | 54.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 109.36% | | | |
| 41) Toluene-d8 | 7.32 | 98 | 744424 | 53.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 106.22% | | | |
| 43) trans-1,3-Dichloropropene- | 7.62 | 79 | 136221 | 49.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.22% | | | |
| 47) 2-Hexanone-d5 | 8.09 | 63 | 206847 | 108.07 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 108.07% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22 | 84 | 348834 | 52.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 105.76% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.63 | 152 | 268351 | 53.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 107.26% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 2600 | 0.705 | ug/L # | 23 |
| 12) 1,1-Dichloroethene | 2.12 | 96 | 4110 | 1.086 | ug/L # | 1 |
| 33) Benzene | 5.11 | 78 | 26183 | 1.535 | ug/L | 100 |
| 34) Trichloroethene | 5.92 | 95 | 119581 | 26.535 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.97 | 97 | 6384 | 1.509 | ug/L # | 7 |
| 46) Tetrachloroethene | 7.98 | 164 | 608998 | 195.299 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 11.25 | 75 | 36376 | 6.564 | ug/L | 89 |

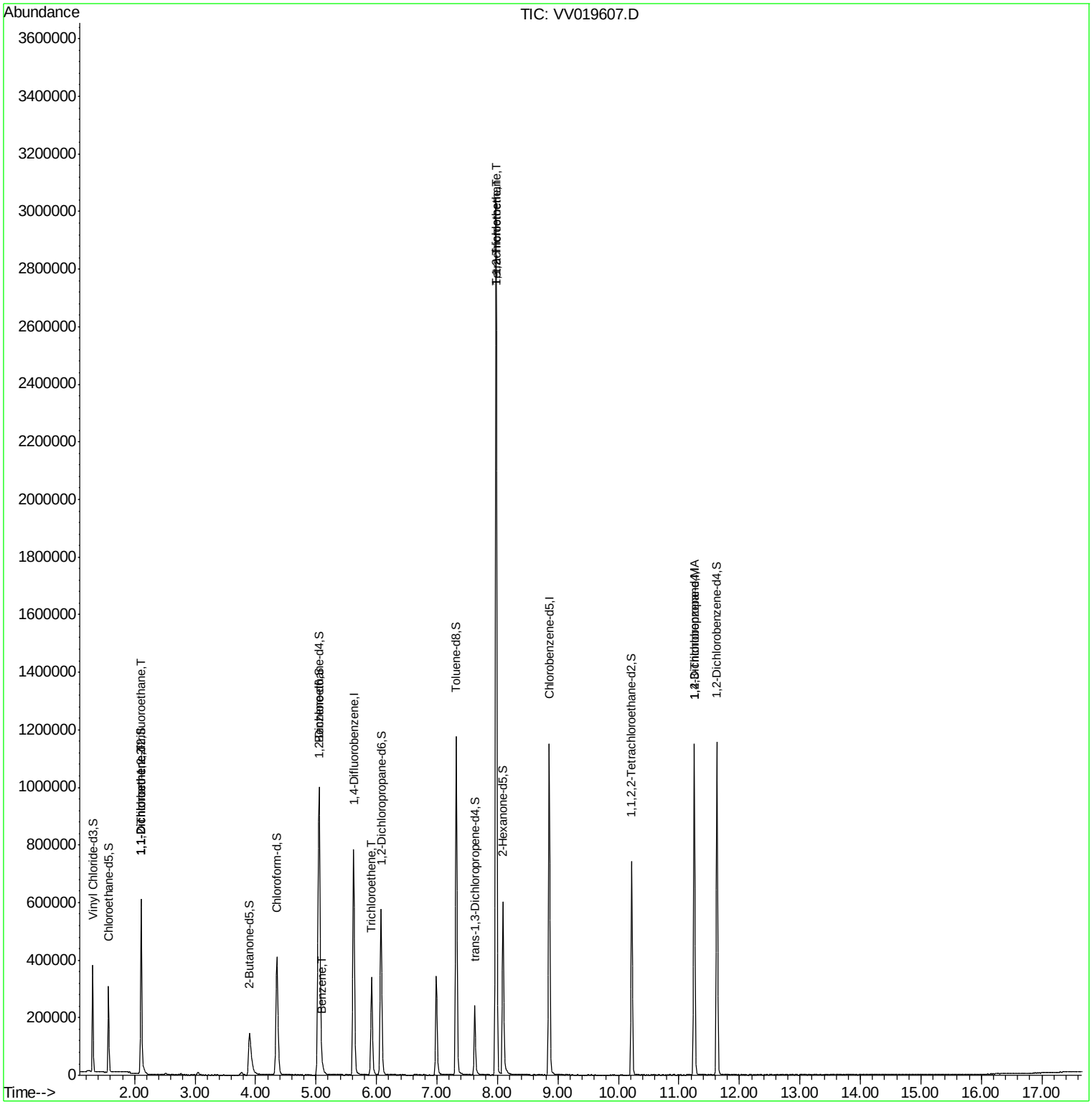
(#) = qualifier out of range (m) = manual integration (+) = signals summed

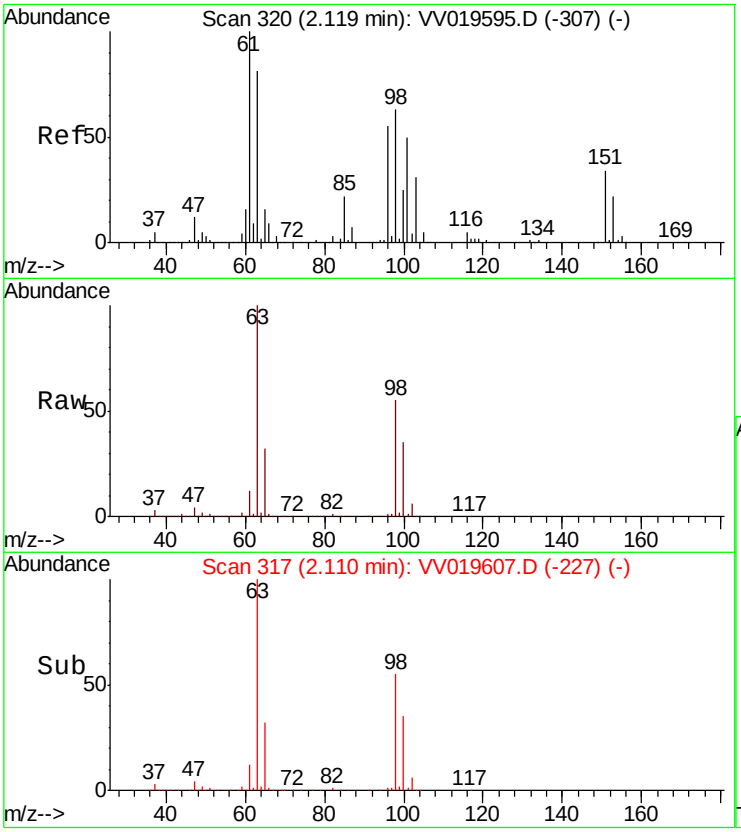
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121420\
Data File : VV019607.D
Acq On : 14 Dec 2020 16:16
Operator : SY/MD
Sample : L4955-20DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG4L9DL

Quant Time: Dec 15 07:23:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 15 07:21:43 2020
Response via : Initial Calibration



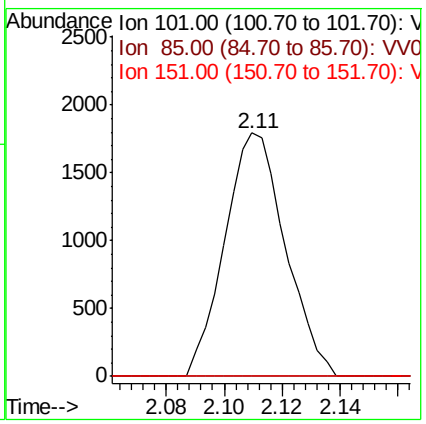


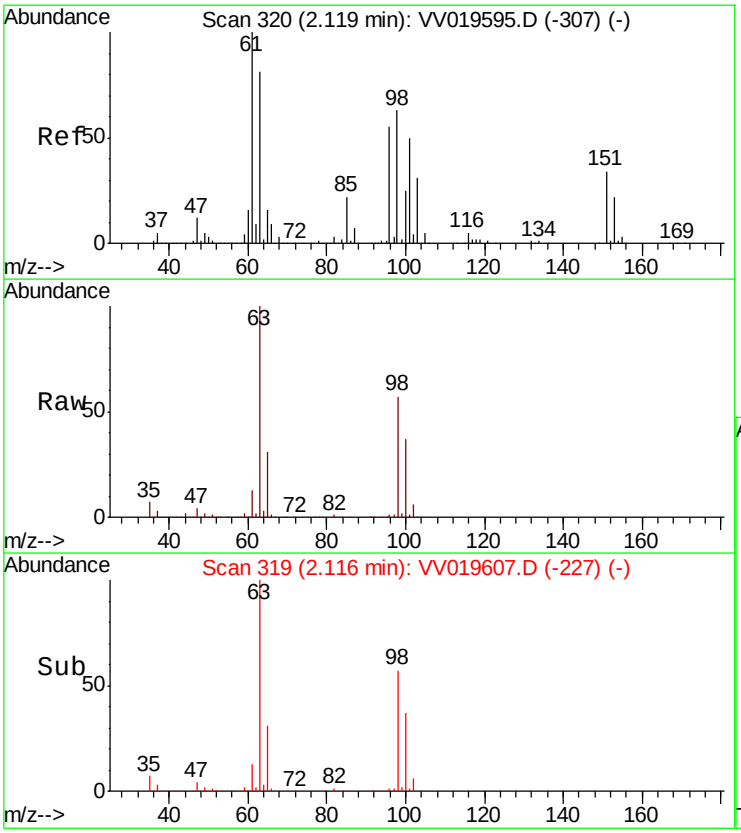

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.705 ug/L
RT: 2.11 min Scan# 317
Delta R.T. -0.01 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG4L9DL

Tgt Ion:101 Resp: 2600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 2.6 | 35.0 | 52.4# |
| 151 | 0.0 | 55.8 | 83.8# |

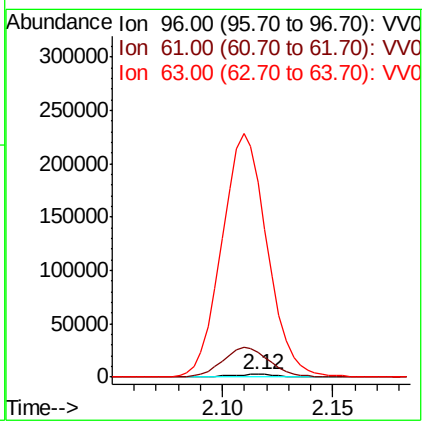


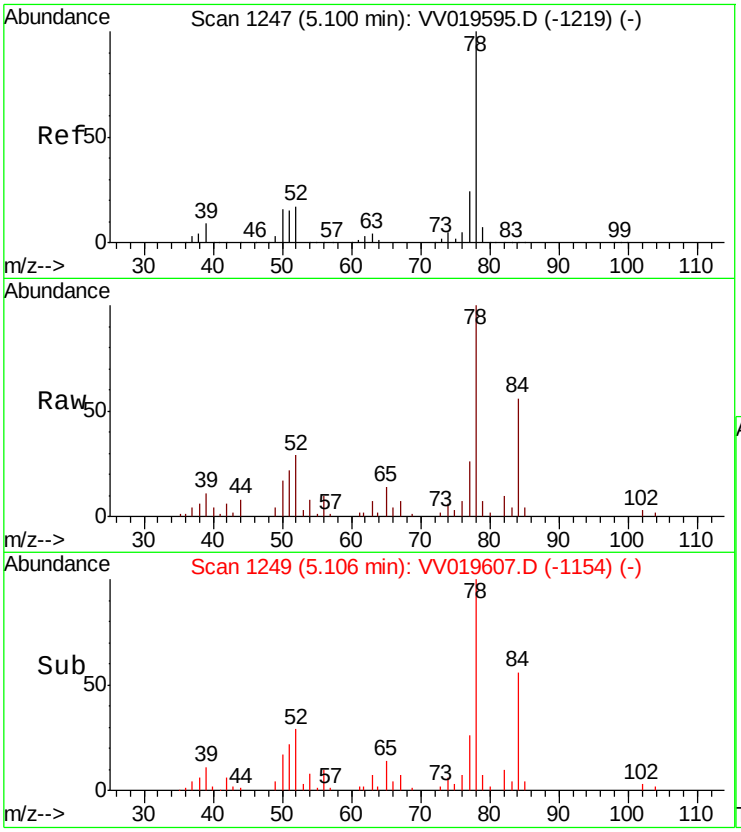




#12
1,1-Dichloroethene
Concen: 1.086 ug/L
RT: 2.12 min Scan# 319
Delta R.T. -0.00 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

Tgt Ion: 96 Resp: 4110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 959.9 | 120.7 | 224.1# |
| 63 | 7521.5 | 64.3 | 119.5# |

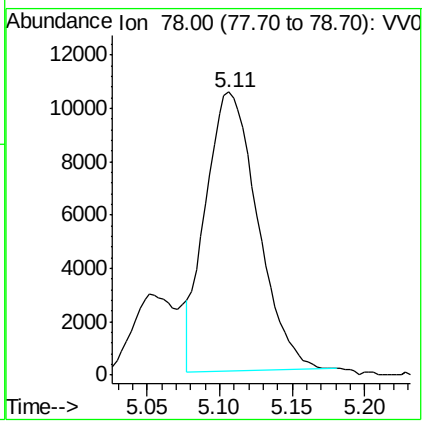


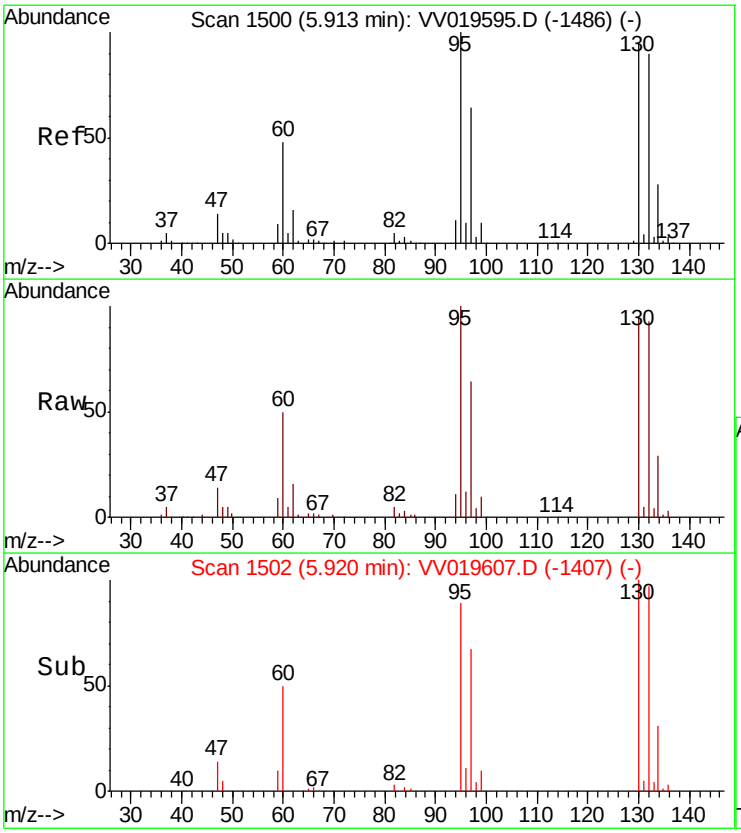



#33
Benzene
Concen: 1.535 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG4L9DL

Tgt Ion: 78 Resp: 26183

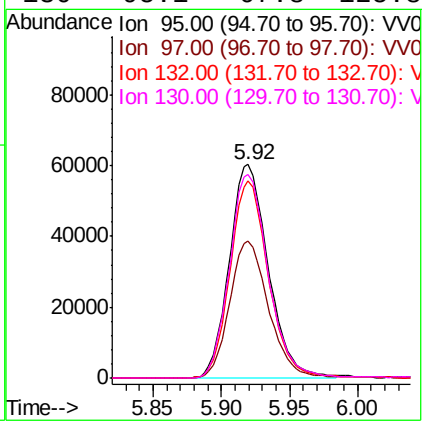


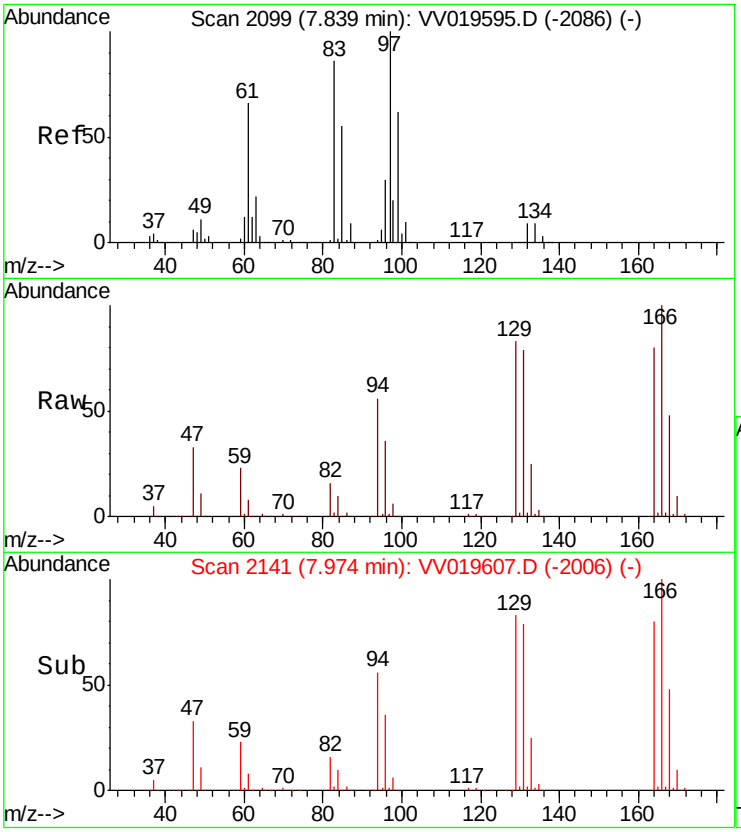




#34
Trichloroethene
Concen: 26.535 ug/L
RT: 5.92 min Scan# 1502
Delta R.T. 0.01 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

Tgt Ion: 95 Resp: 119581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.1 | 44.4 | 82.4 |
| 132 | 92.6 | 64.3 | 119.3 |
| 130 | 95.1 | 67.8 | 125.8 |



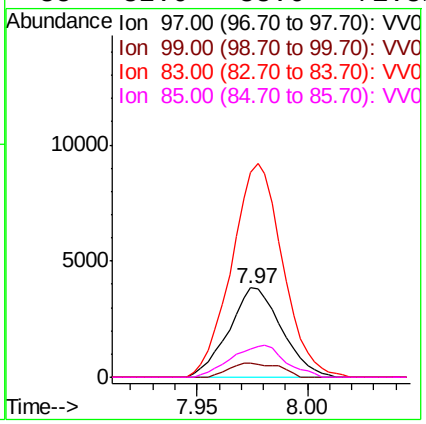


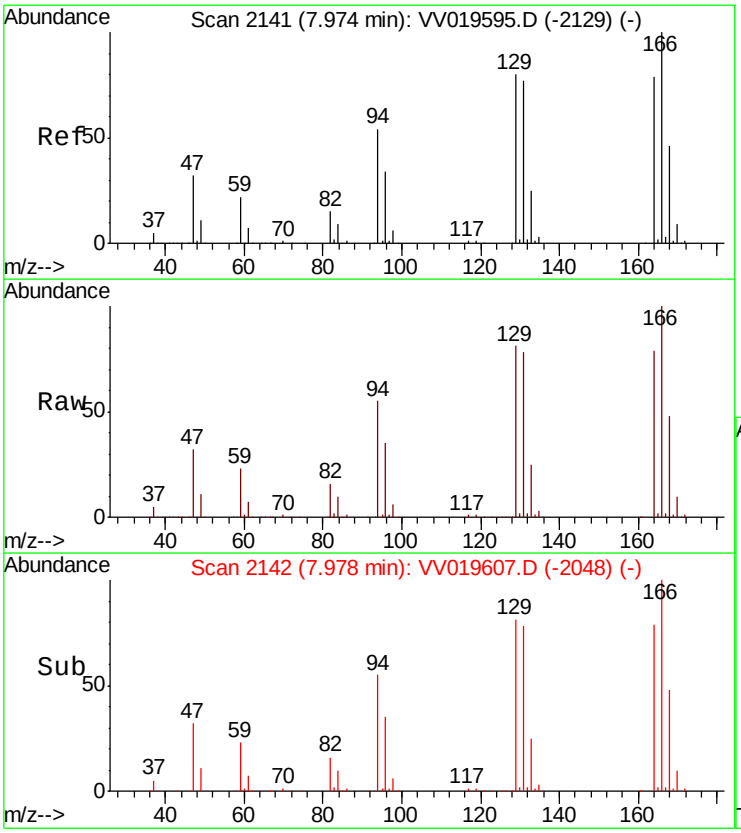

#45
1,1,2-Trichloroethane
Concen: 1.509 ug/L
RT: 7.97 min Scan# 2141
Delta R.T. 0.14 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG4L9DL

Tgt Ion: 97 Resp: 6384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 15.6 | 44.1 | 81.9# |
| 83 | 229.3 | 60.0 | 111.4# |
| 85 | 32.0 | 38.6 | 71.8# |

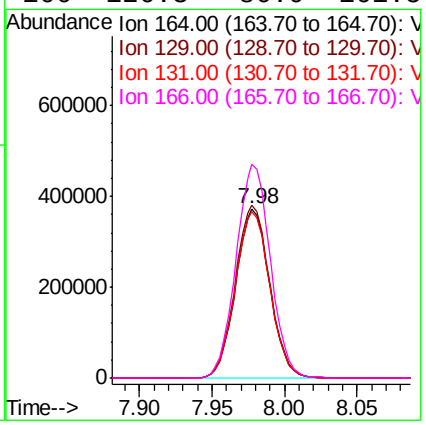


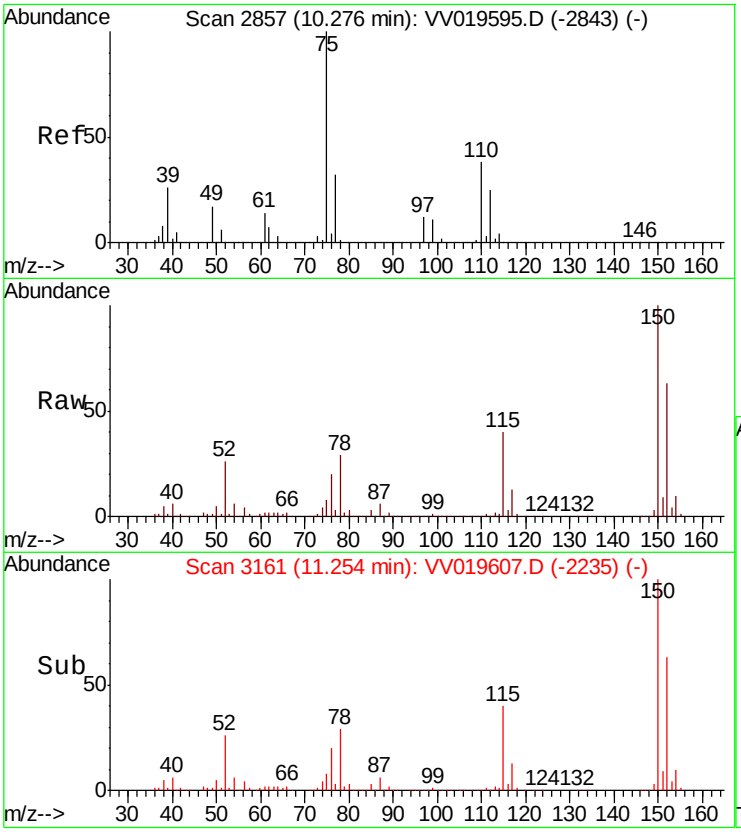




#46
Tetrachloroethene
Concen: 195.299 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

Tgt Ion:164 Resp: 608998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 102.6 | 70.6 | 131.0 |
| 131 | 98.4 | 68.0 | 126.4 |
| 166 | 126.3 | 86.9 | 161.5 |






#59
1,2,3-Trichloropropane
Concen: 6.564 ug/L
RT: 11.25 min Scan# 3161
Delta R.T. 0.98 min
Lab File: VV019607.D
Acq: 14 Dec 2020 16:16

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG4L9DL

Tgt Ion: 75 Resp: 36376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.6 | 25.8 | 38.8 |