Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091820\
Data File : VV018321.D
Acq On : 18 Sep 2020 14:44
Operator : SY/MD
Sample : L4065-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Sep 19 01:43:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 19 01:35:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 250168 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 249443 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 116182 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 97906 | 48.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 96.04% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 79829 | 47.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 95.70% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 144692 | 38.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 77.38% | | | |
| 21) 2-Butanone-d5 | 3.92 | 46 | 118687 | 95.11 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.11% | | | |
| 24) Chloroform-d | 4.38 | 84 | 169120 | 47.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.62% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 111400 | 49.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.26% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 338022 | 47.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.68% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 107720 | 47.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 94.96% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 299377 | 46.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 50781 | 44.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 88.08% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 79849 | 92.91 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 92.91% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 134782 | 47.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.66% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 123686 | 51.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.68% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1363 | 0.807 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 12612 | 7.678 | ug/L # | 1 |
| 20) cis-1,2-Dichloroethene | 3.95 | 96 | 5783 | 3.196 | ug/L | 97 |
| 30) 1,1,1-Trichloroethane | 4.63 | 97 | 4488 | 1.550 | ug/L | 99 |
| 35) Methylcyclohexane | 6.09 | 83 | 25809 | 8.823 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.09 | 63 | 11762 | 6.224 | ug/L # | 87 |
| 59) 1,2,3-Trichloropropane | 11.27 | 75 | 13337 | 6.000 | ug/L | 91 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091820\
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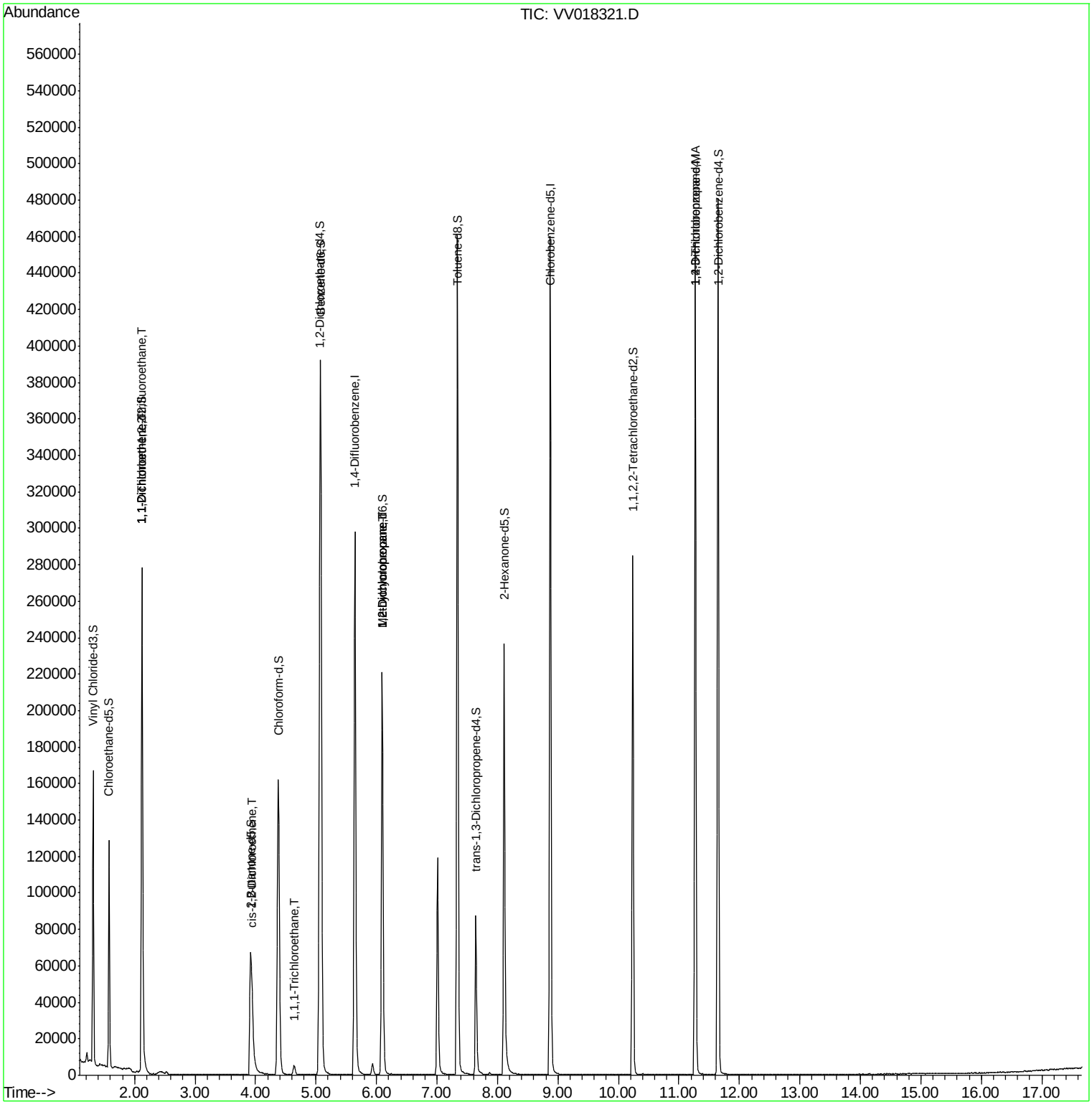
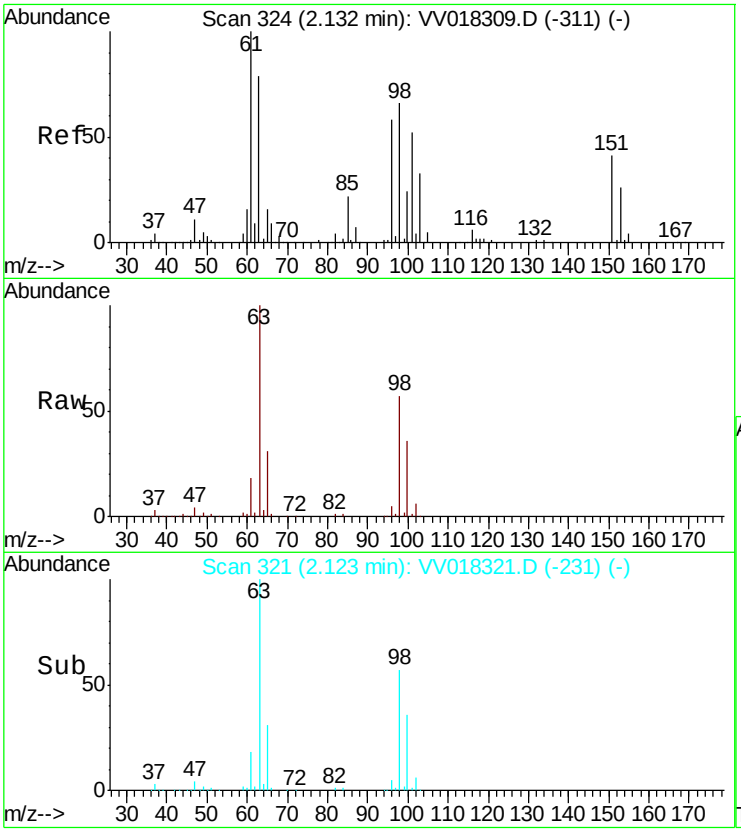
Acq On : 18 Sep 2020 14:44
Operator : SY/MD
Sample : L4065-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Sep 19 01:43:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 19 01:35:10 2020
Response via : Initial Calibration



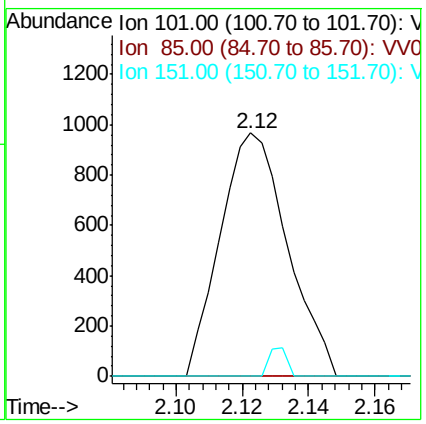


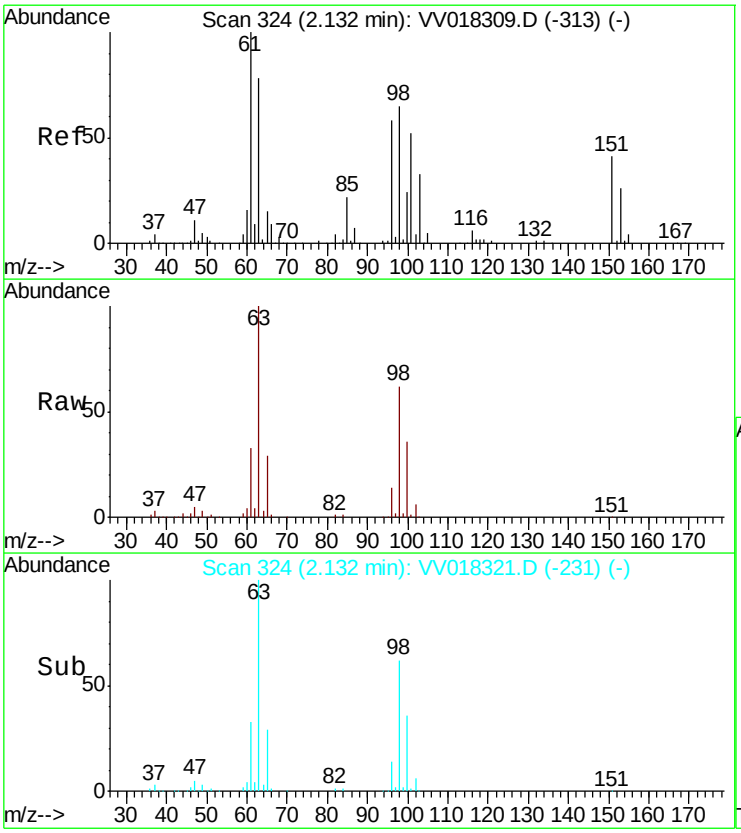

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.807 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

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

Tgt Ion:101 Resp: 1363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.5 | 50.3# |
| 151 | 3.2 | 62.2 | 93.2# |

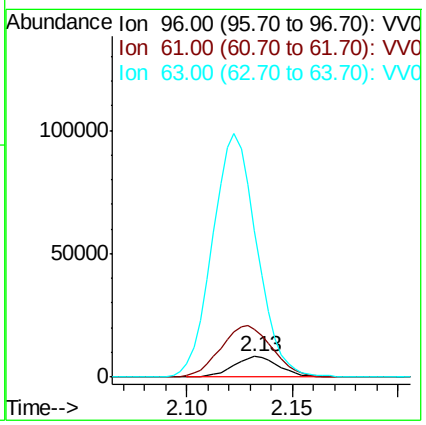


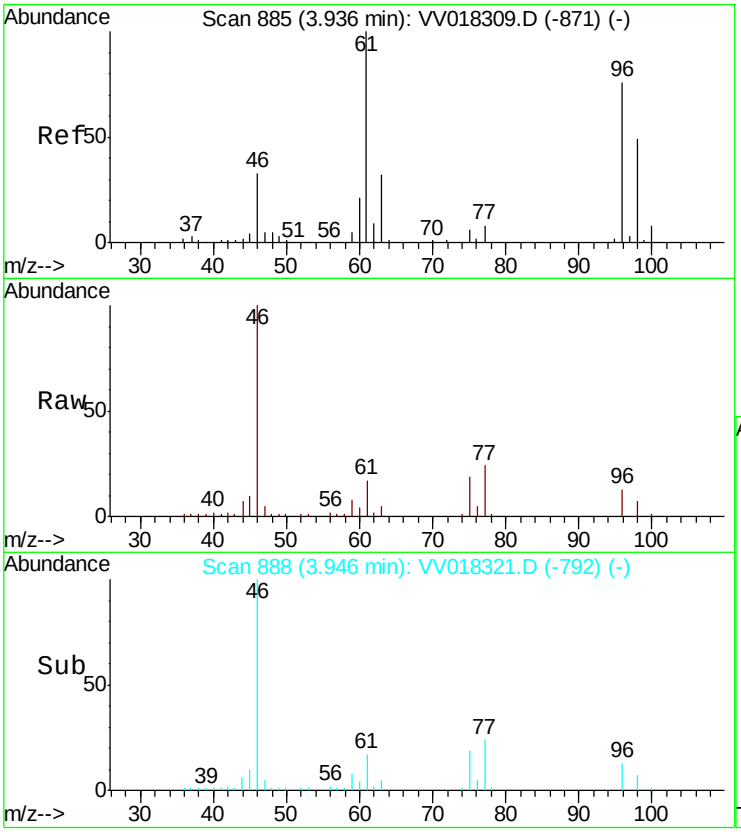




#12
1,1-Dichloroethene
Concen: 7.678 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

Tgt Ion: 96 Resp: 12612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 233.1 | 122.9 | 228.3# |
| 63 | 708.6 | 91.9 | 170.7# |



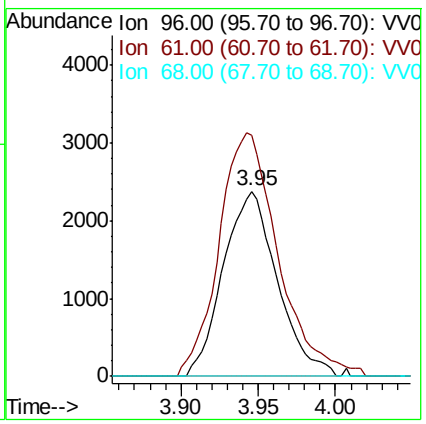


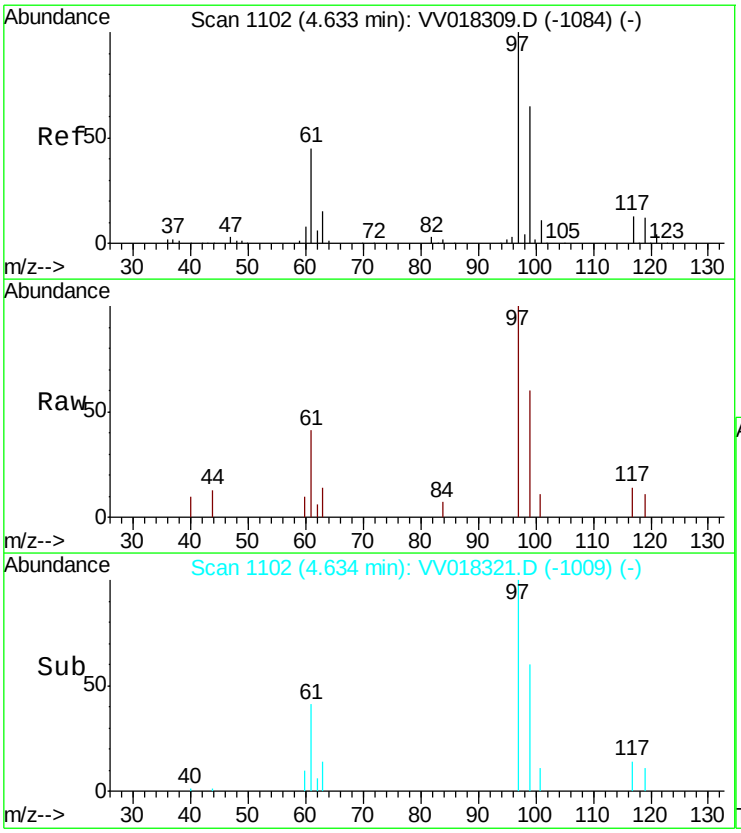

#20
cis-1,2-Dichloroethene
Concen: 3.196 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

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

Tgt Ion: 96 Resp: 5783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.3 | 93.6 | 173.8 |
| 68 | 0.0 | 0.0 | 0.0 |

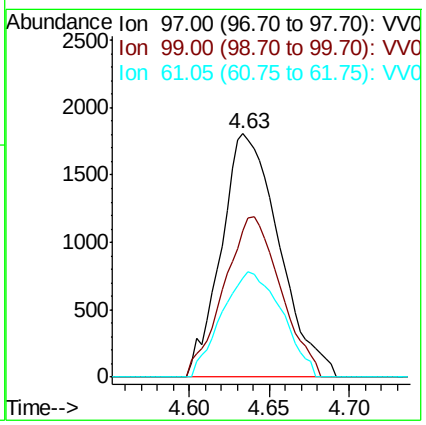


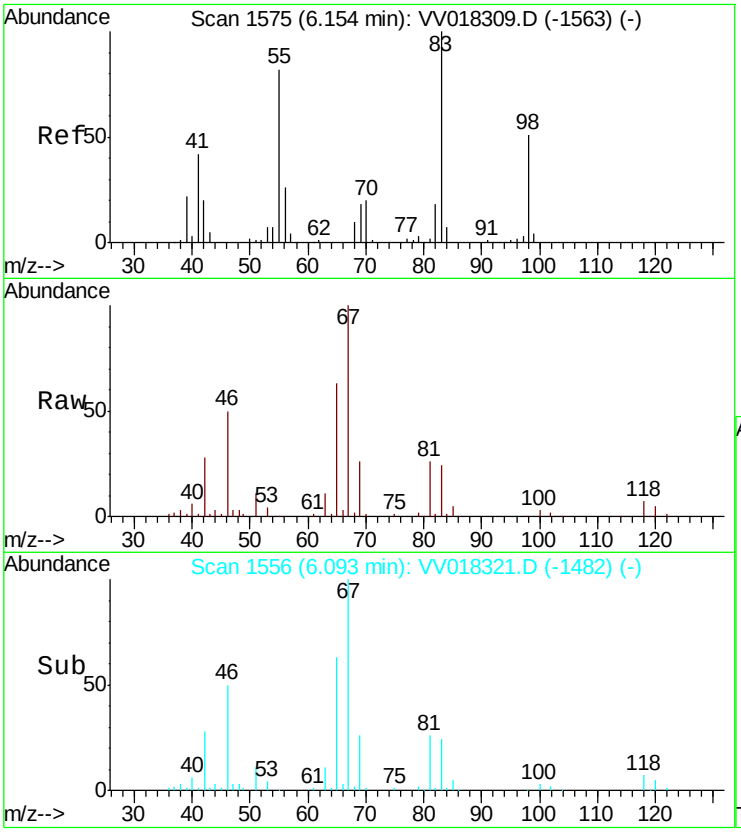




#30
1,1,1-Trichloroethane
Concen: 1.550 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

Tgt Ion: 97 Resp: 4488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.6 | 77.4 |
| 61 | 44.7 | 34.9 | 52.3 |



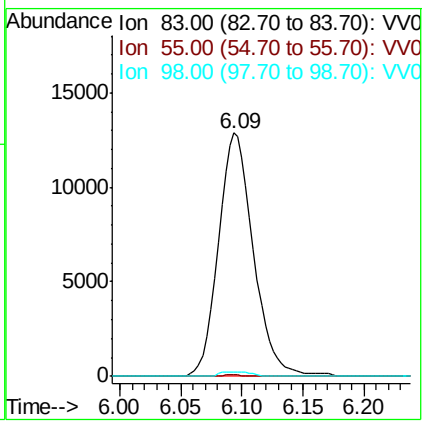


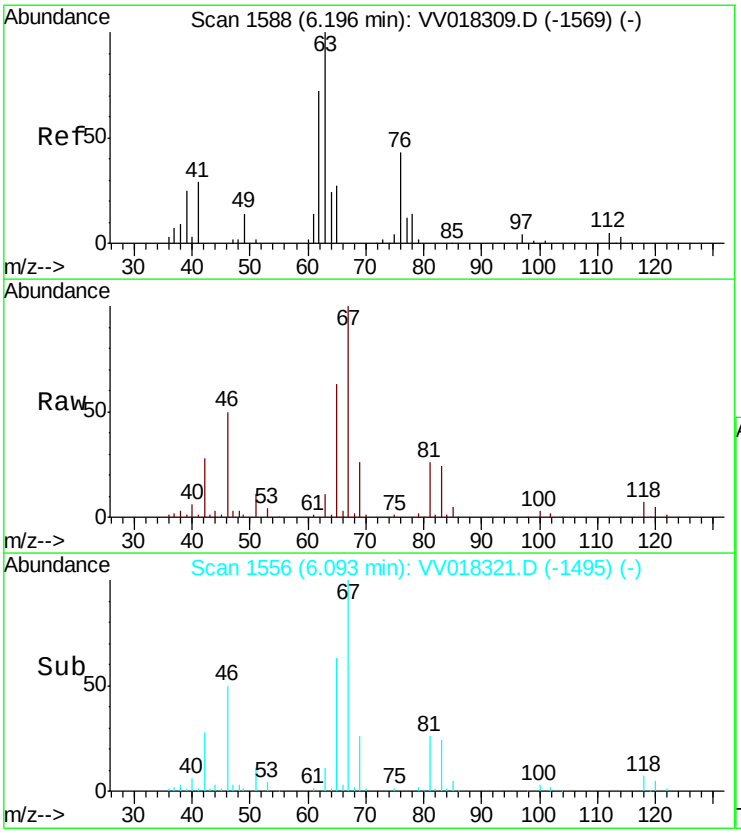

#35
Methylcyclohexane
Concen: 8.823 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

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

Tgt Ion: 83 Resp: 25809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.3 | 63.4 | 95.2# |
| 98 | 0.8 | 38.8 | 58.2# |

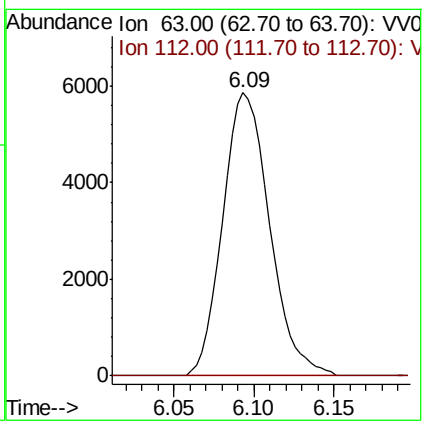


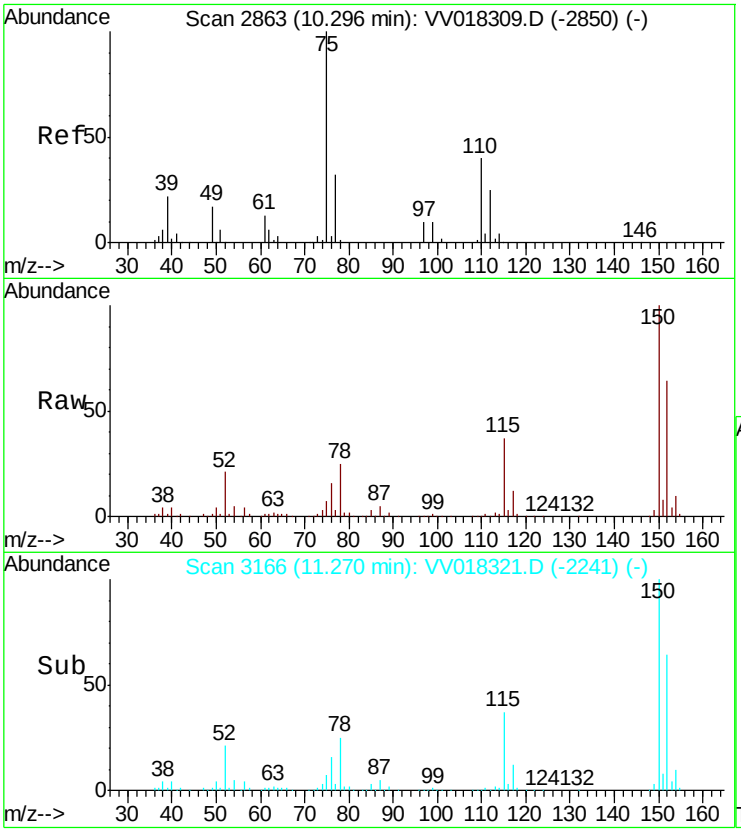




#37
1,2-Dichloropropane
Concen: 6.224 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

Tgt Ion: 63 Resp: 11762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.4 | 5.2# |






#59
1,2,3-Trichloropropane
Concen: 6.000 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV018321.D
Acq: 18 Sep 2020 14:44

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

Tgt Ion: 75 Resp: 13337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.2 | 25.8 | 38.6 |