Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091619\
Data File : VV012837.D
Acq On : 16 Sep 2019 15:26
Operator : SY/MD
Sample : K4780-14MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 16 17:06:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 17:02:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 387636 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 381724 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 140247 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 184256 | 6.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 137.20%# | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 154999 | 7.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 147.20%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 284145 | 6.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 127.80%# | | | |
| 20) 2-Butanone-d5 | 3.98 | 46 | 379209 | 102.19 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 204.38%# | | | |
| 24) Chloroform-d | 4.40 | 84 | 306721 | 7.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 145.40%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 157312 | 8.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 162.00%# | | | |
| 32) Benzene-d6 | 5.09 | 84 | 632543 | 7.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 151.80%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 196464 | 7.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 154.80%# | | | |
| 41) Toluene-d8 | 7.36 | 98 | 508530 | 6.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 135.80%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 53938 | 6.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 131.60%# | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 194384 | 84.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 169.12%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 105709 | 7.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 151.60%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 173701 | 8.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 178.60%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 2646 | 0.115 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 107722 | 5.088 | ug/L # | 83 |
| 25) Chloroform | 4.42 | 83 | 11968 | 0.225 | ug/L | 92 |
| 27) 1,2-Dichloroethane | 5.09 | 62 | 3320 | 0.121 | ug/L | 97 |
| 33) Benzene | 5.14 | 78 | 516303 | 5.353 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 124161 | 4.511 | ug/L | 99 |
| 35) Methylcyclohexane | 6.12 | 83 | 46623 | 1.378 | ug/L # | 17 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 20486 | 0.789 | ug/L # | 86 |
| 42) Toluene | 7.43 | 91 | 516964 | 5.242 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 69036 | 6.311 | ug/L # | 86 |
| 51) Chlorobenzene | 8.92 | 112 | 353697 | 5.191 | ug/L | 97 |

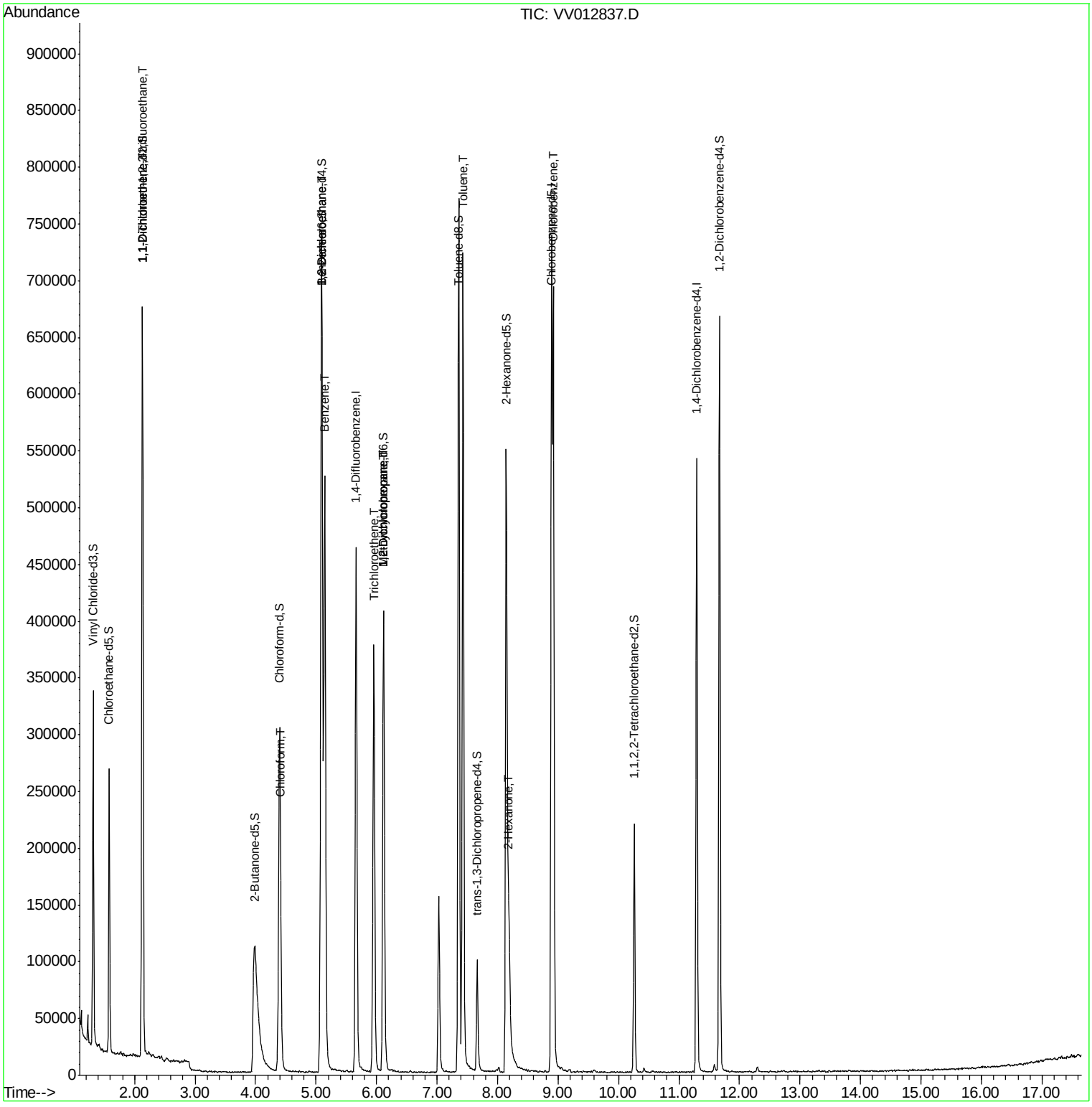
(#) = qualifier out of range (m) = manual integration (+) = signals summed

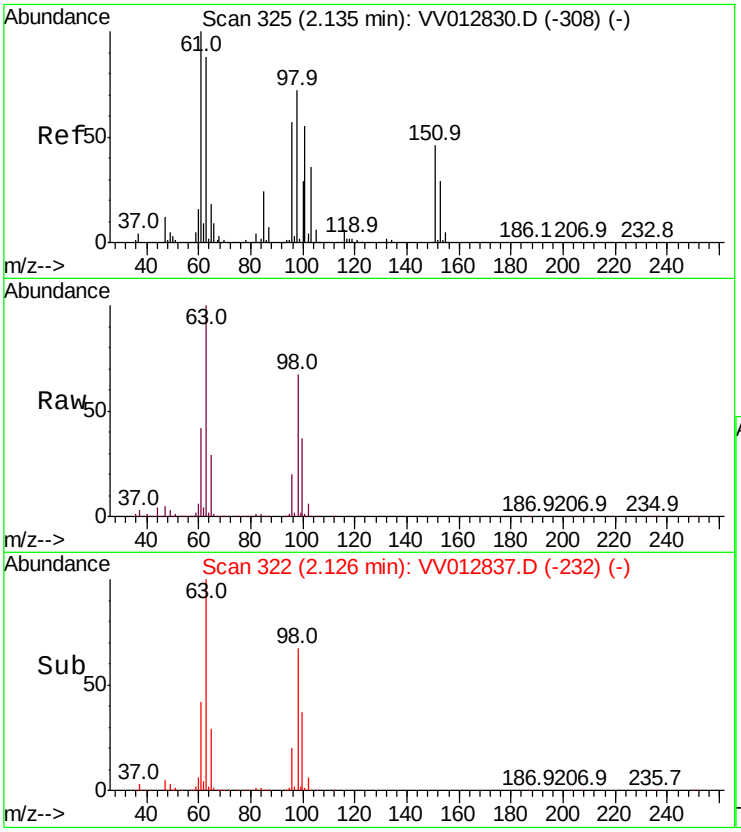
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091619\
Data File : VV012837.D
Acq On : 16 Sep 2019 15:26
Operator : SY/MD
Sample : K4780-14MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Sep 16 17:06:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 17:02:53 2019
Response via : Initial Calibration



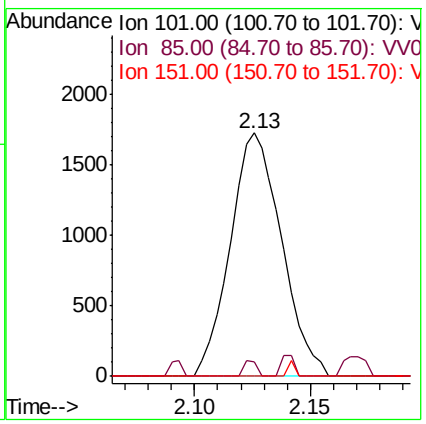


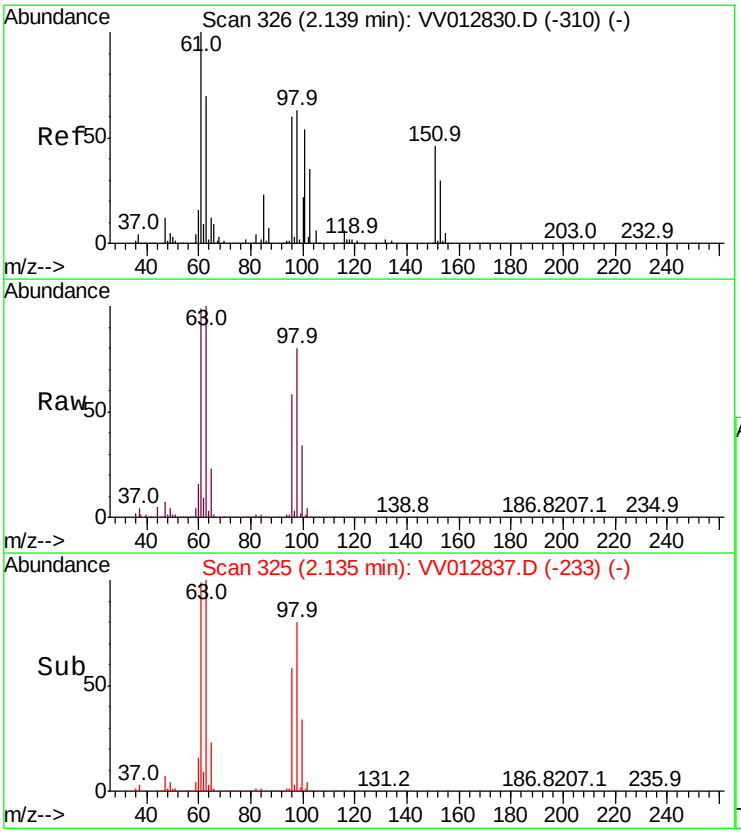

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.115 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion:101 Resp: 2646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 1.6 | 32.9 | 49.3# |
| 151 | 0.0 | 65.0 | 97.6# |

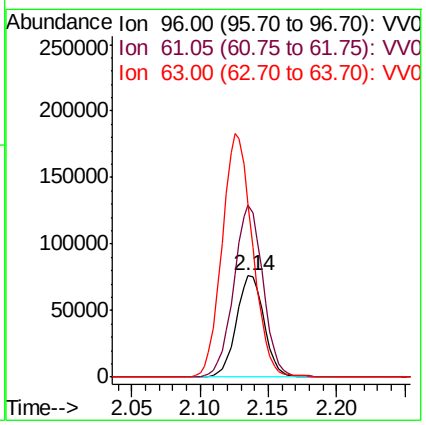


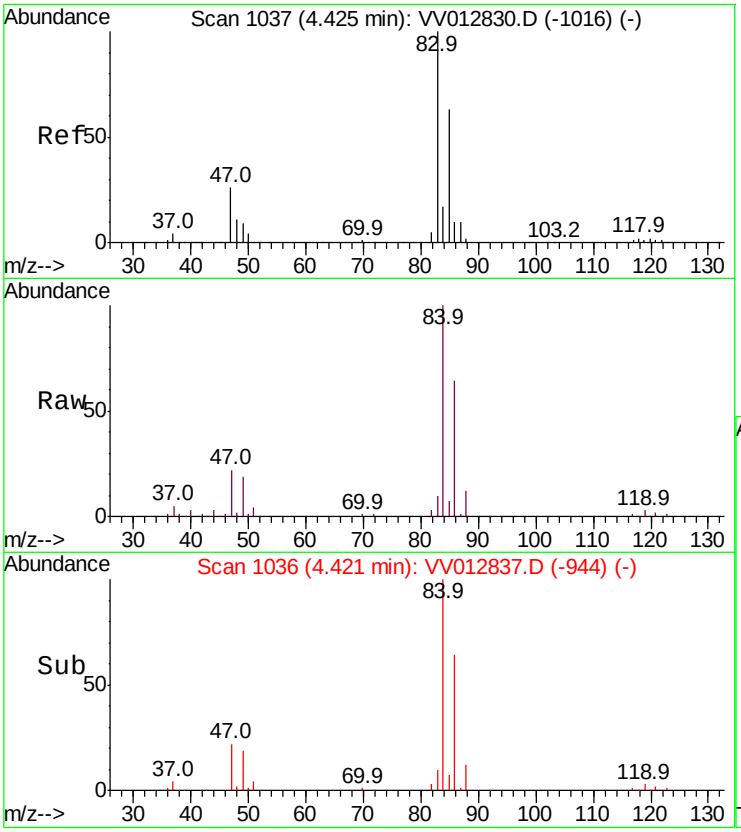




#12
1,1-Dichloroethene
Concen: 5.088 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

Tgt Ion: 96 Resp: 107722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.3 | 120.1 | 223.1 |
| 63 | 171.8 | 88.3 | 164.1# |



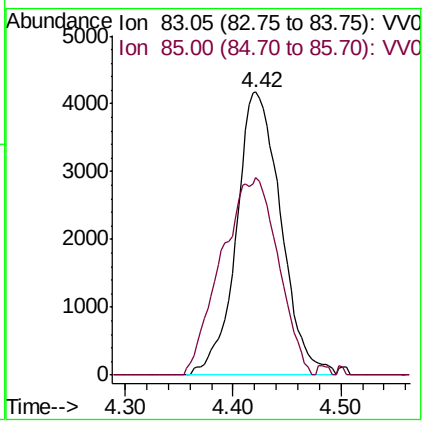


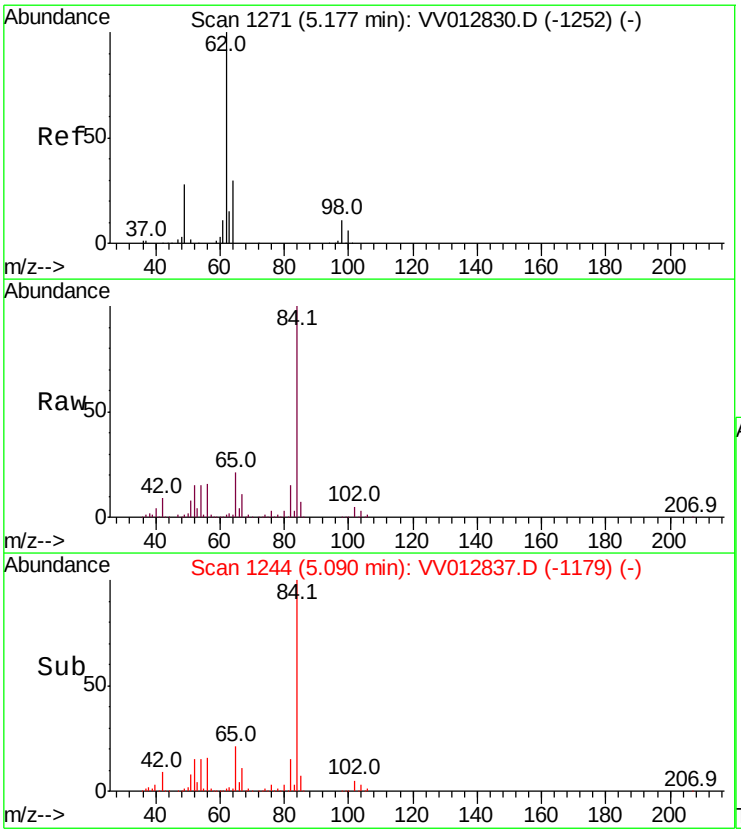

#25
Chloroform
Concen: 0.225 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion: 83 Resp: 11968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.7 | 44.4 | 82.5 |

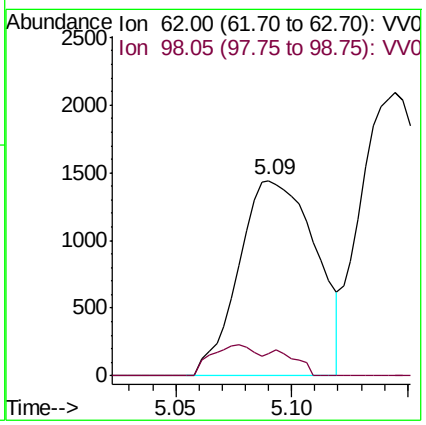


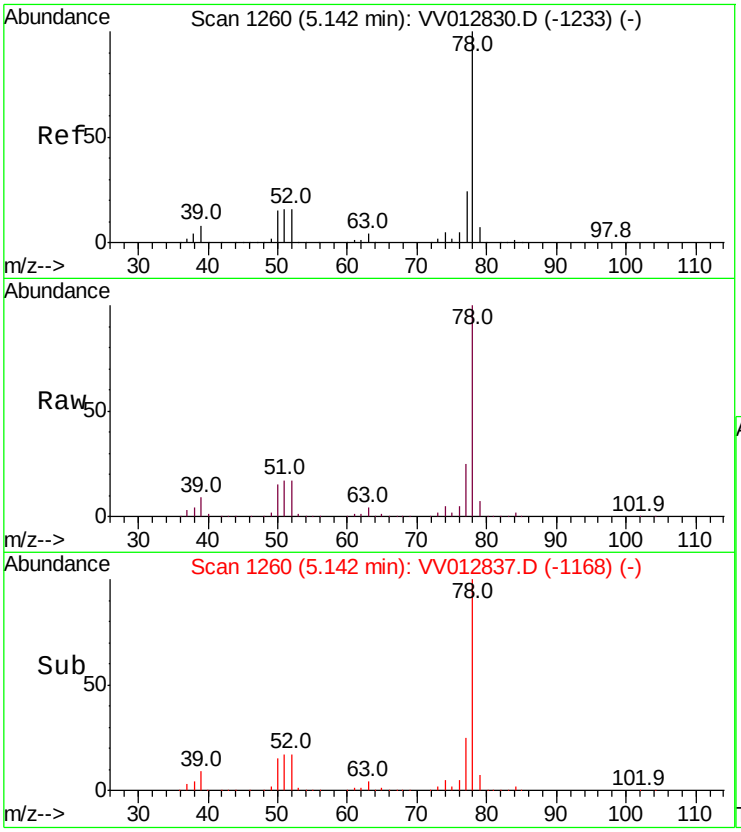




#27
1,2-Dichloroethane
Concen: 0.121 ug/L
RT: 5.09 min Scan# 1244
Delta R.T. -0.09 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

Tgt Ion: 62 Resp: 3320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.6 | 8.3 | 12.5 |

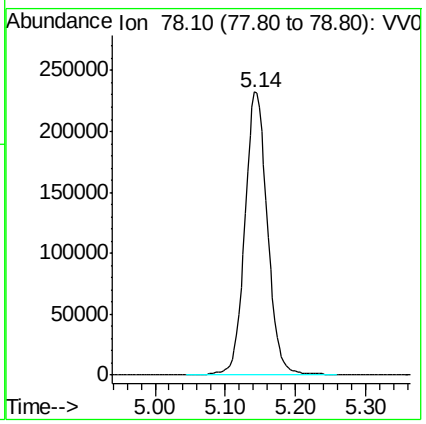


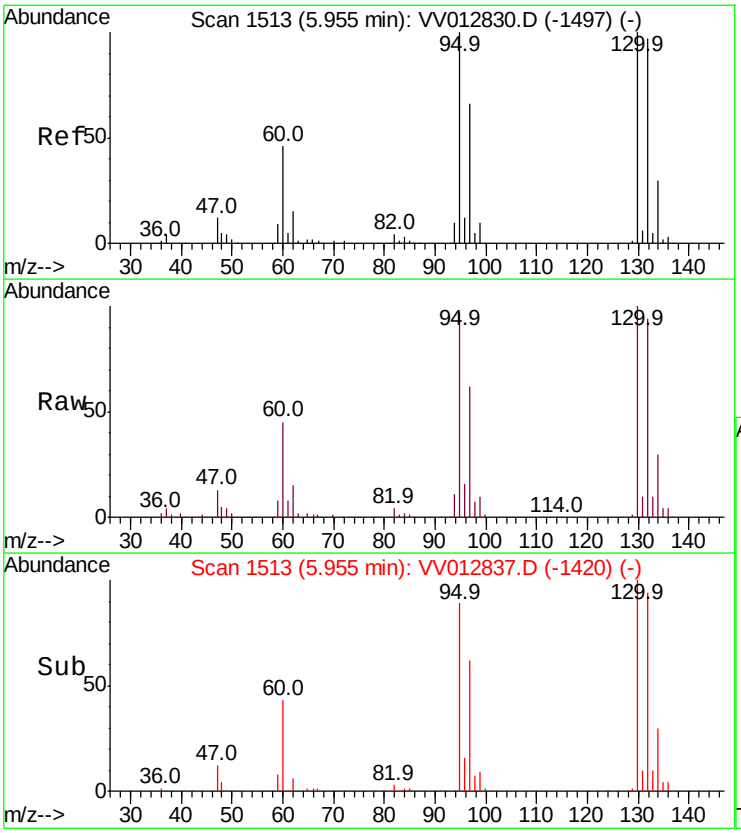



#33
Benzene
Concen: 5.353 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion: 78 Resp: 516303

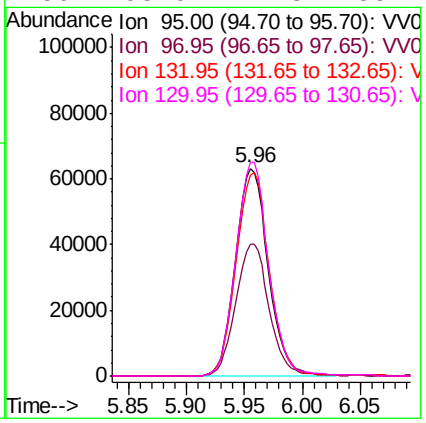


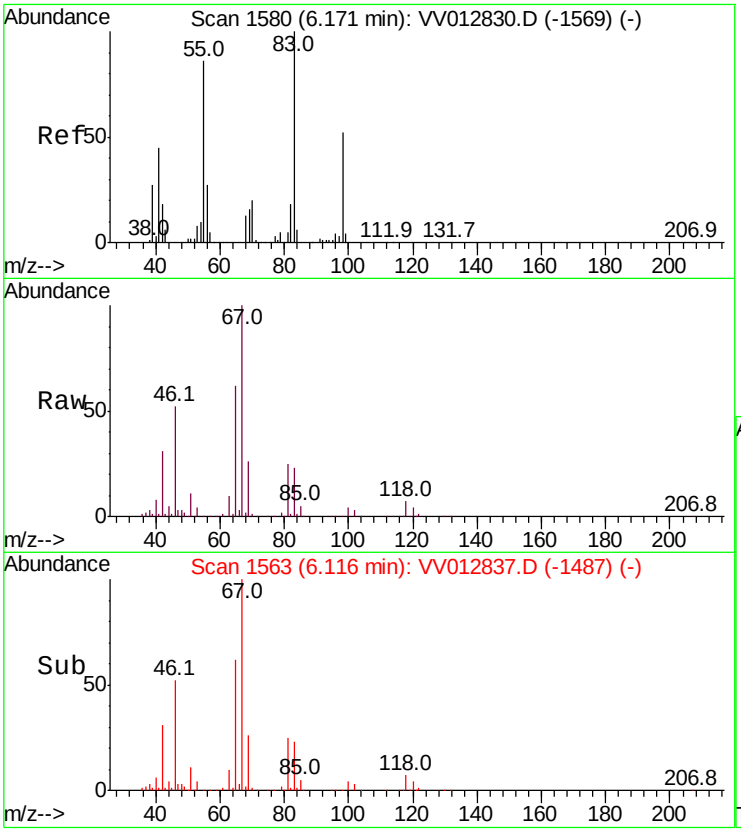




#34
Trichloroethene
Concen: 4.511 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

Tgt Ion: 95 Resp: 124161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.6 | 44.4 | 82.4 |
| 132 | 96.9 | 69.0 | 128.1 |
| 130 | 103.0 | 72.8 | 135.2 |



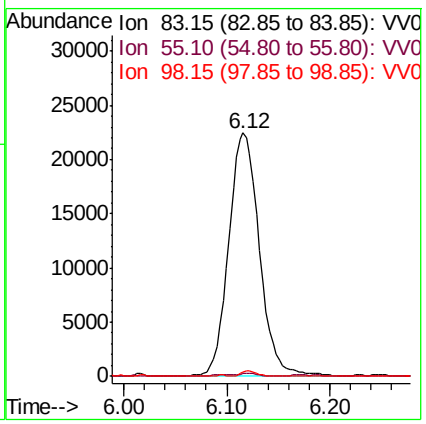


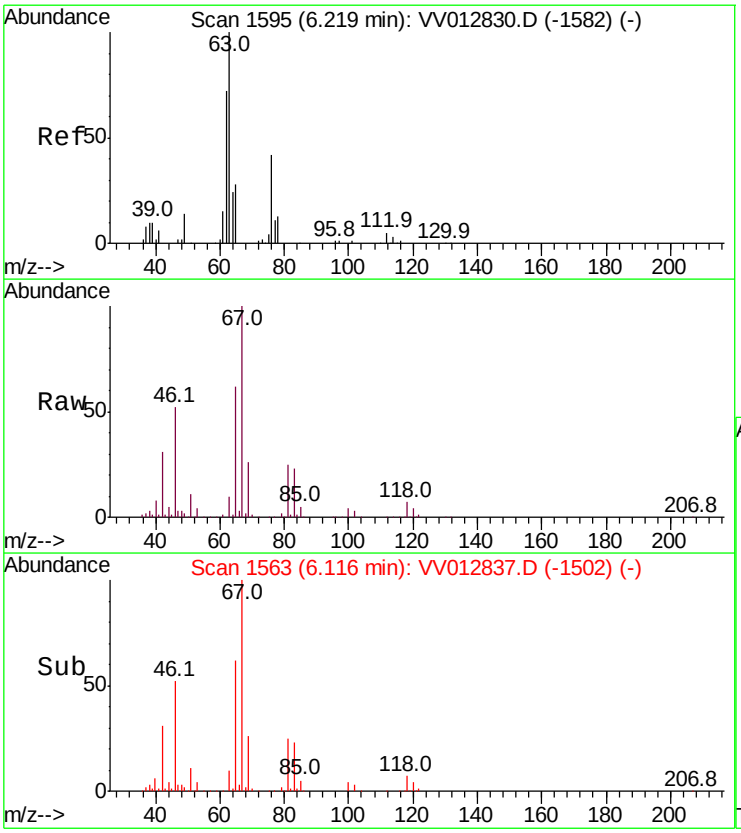

#35
Methylcyclohexane
Concen: 1.378 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion: 83 Resp: 46623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.9 | 65.4 | 98.2# |
| 98 | 1.1 | 39.0 | 58.4# |

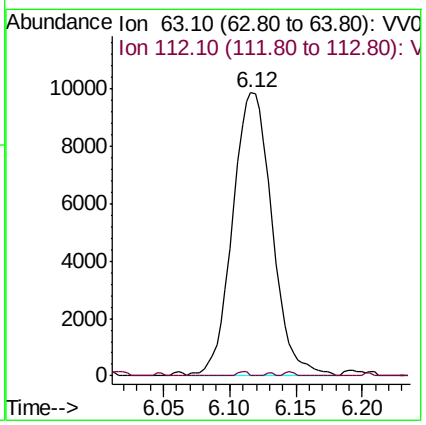


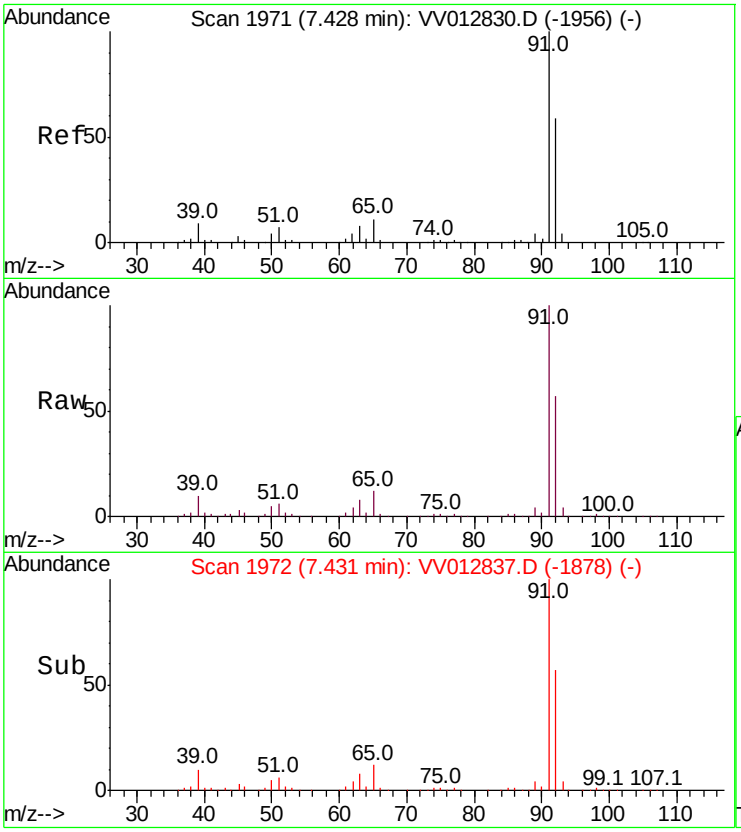




#37
1,2-Dichloropropane
Concen: 0.789 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

Tgt Ion: 63 Resp: 20486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.4 | 4.2 | 6.2# |



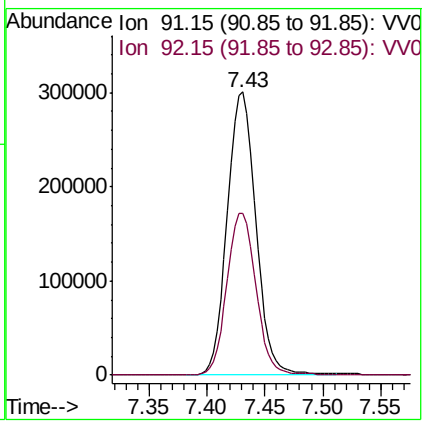


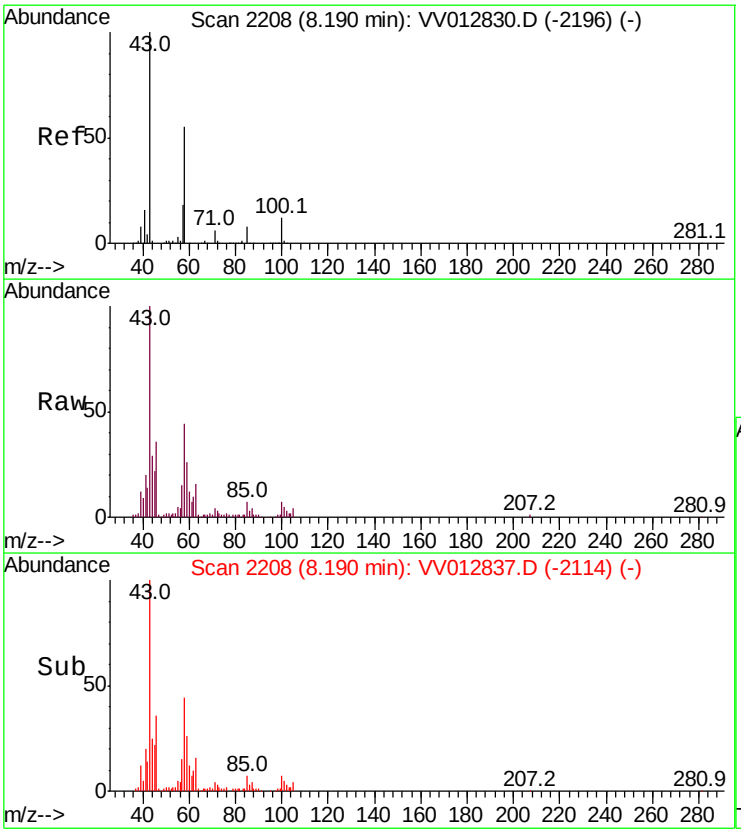

#42
Toluene
Concen: 5.242 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion: 91 Resp: 516964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.4 | 41.0 | 76.2 |

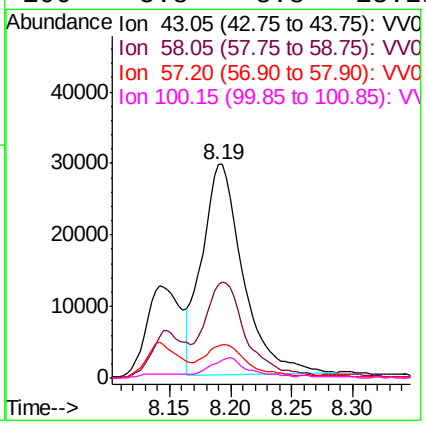


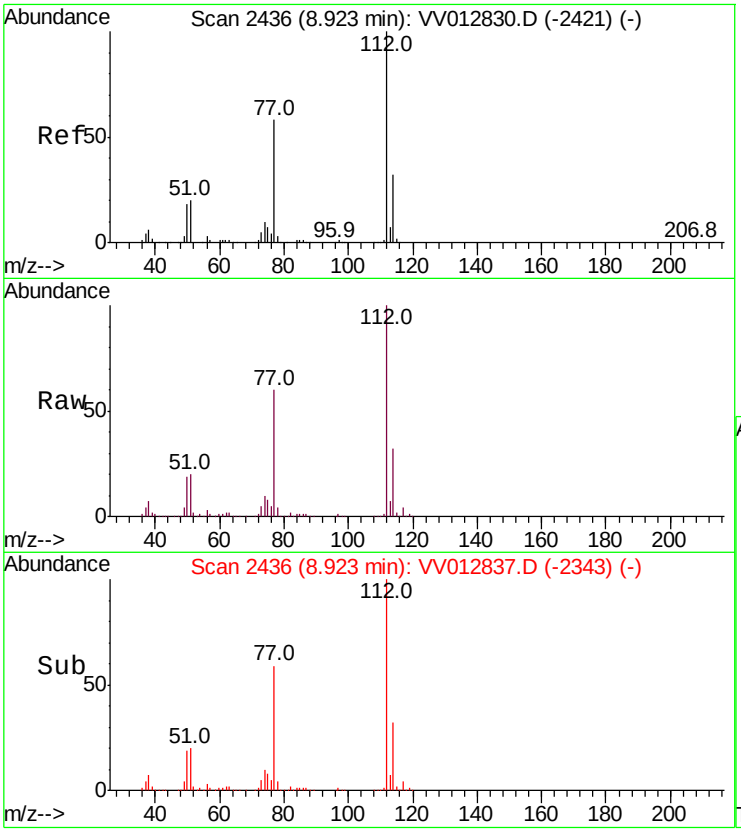




#48
2-Hexanone
Concen: 6.311 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

Tgt Ion: 43 Resp: 69036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.2 | 44.8 | 67.2# |
| 57 | 15.7 | 15.0 | 22.6 |
| 100 | 5.8 | 8.8 | 13.2# |






#51
Chlorobenzene
Concen: 5.191 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012837.D
Acq: 16 Sep 2019 15:26

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

Tgt Ion:112 Resp: 353697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 22.0 | 41.0 |
| 77 | 59.5 | 45.7 | 68.5 |