Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091319\

Quantitation Report (Not Reviewed)

Data File : VV012747.D
Acq On : 14 Sep 2019 00:23
Operator : SY/MD
Sample : K4868-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0MK8

Quant Time: Sep 14 02:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:58:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 780550 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 729114 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 264452 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 198396 | 44.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 89.70% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 189050 | 47.75 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 95.50% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 300545 | 34.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 69.86% | | | |
| 21) 2-Butanone-d5 | 3.92 | 46 | 467969 | 102.01 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.01% | | | |
| 24) Chloroform-d | 4.40 | 84 | 516854 | 47.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.30% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 333470 | 50.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.30% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 975875 | 50.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.32% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 345648 | 50.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.70% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 840067 | 47.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 134440 | 47.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 94.00% | | | |
| 47) 2-Hexanone-d5 | 8.13 | 63 | 248287 | 94.26 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 94.26% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 411542 | 46.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.72% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 334493 | 55.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 110.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 34) Trichloroethene | 5.96 | 95 | 26897 | 4.666 | ug/L | 95 |
| 48) 2-Hexanone | 8.18 | 43 | 50159 | 7.832 | ug/L # | 86 |
| 51) Chlorobenzene | 8.92 | 112 | 22041 | 1.562 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 37585 | 5.177 | ug/L | 96 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 23324 | 2.784 | ug/L | 96 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 19313 | 2.249 | ug/L | 92 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 7547 | 1.480 | ug/L | 96 |

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

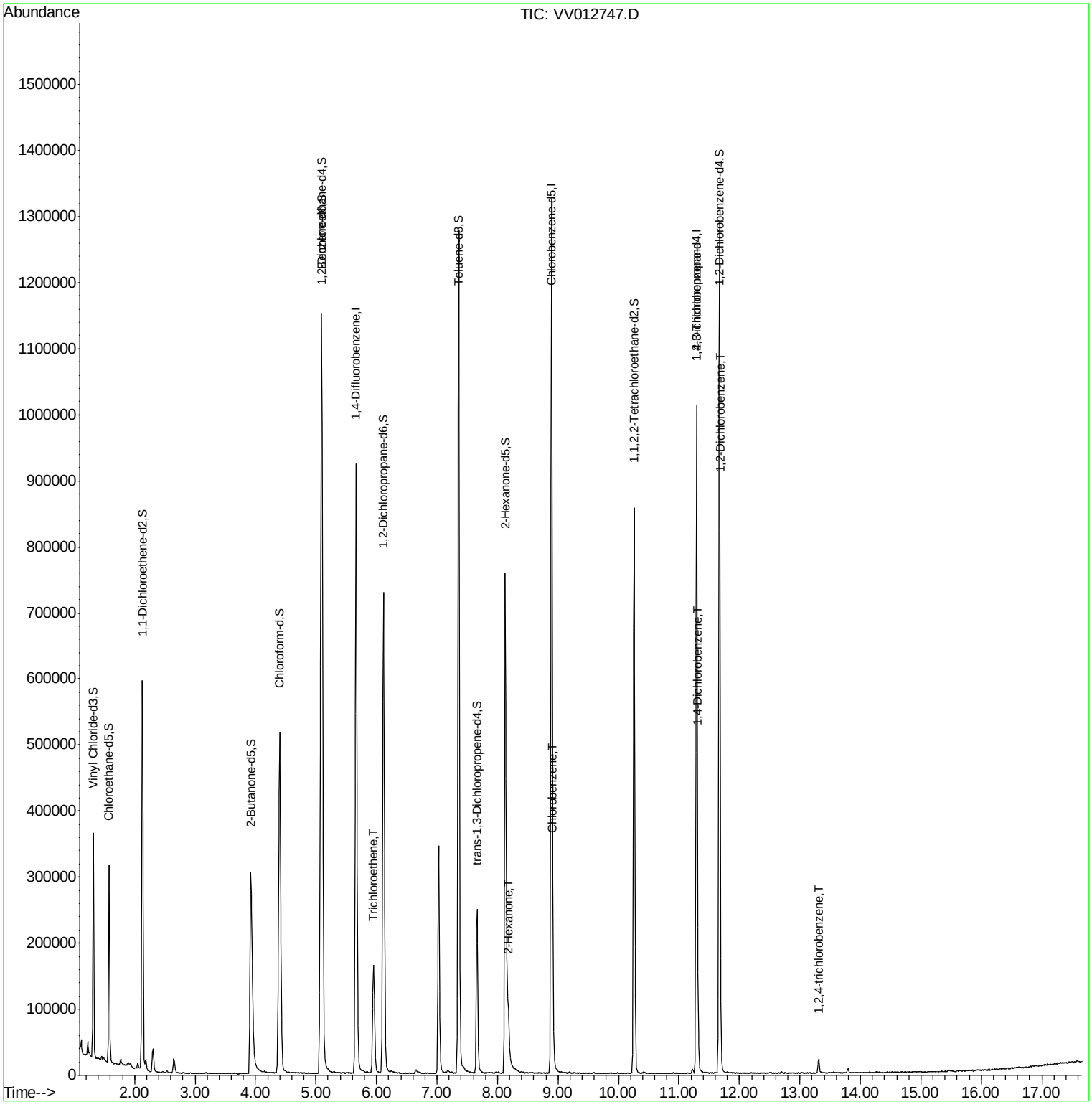
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091319\

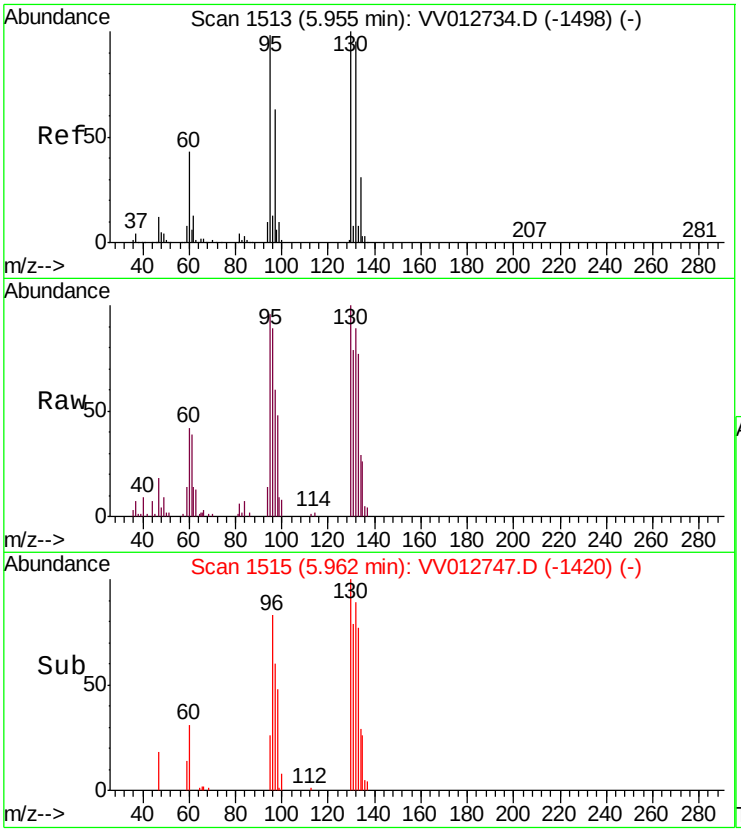
Quantitation Report (Not Reviewed)

Data File : VV012747.D
Acq On : 14 Sep 2019 00:23
Operator : SY/MD
Sample : K4868-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0MK8

Quant Time: Sep 14 02:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:58:35 2019
Response via : Initial Calibration



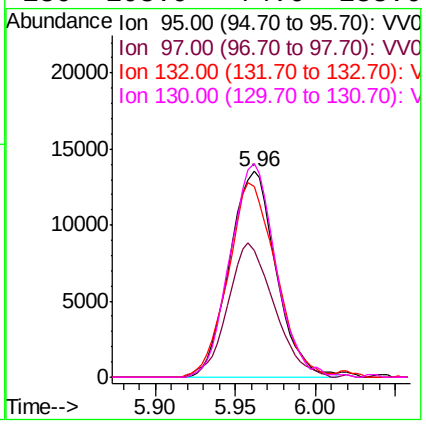


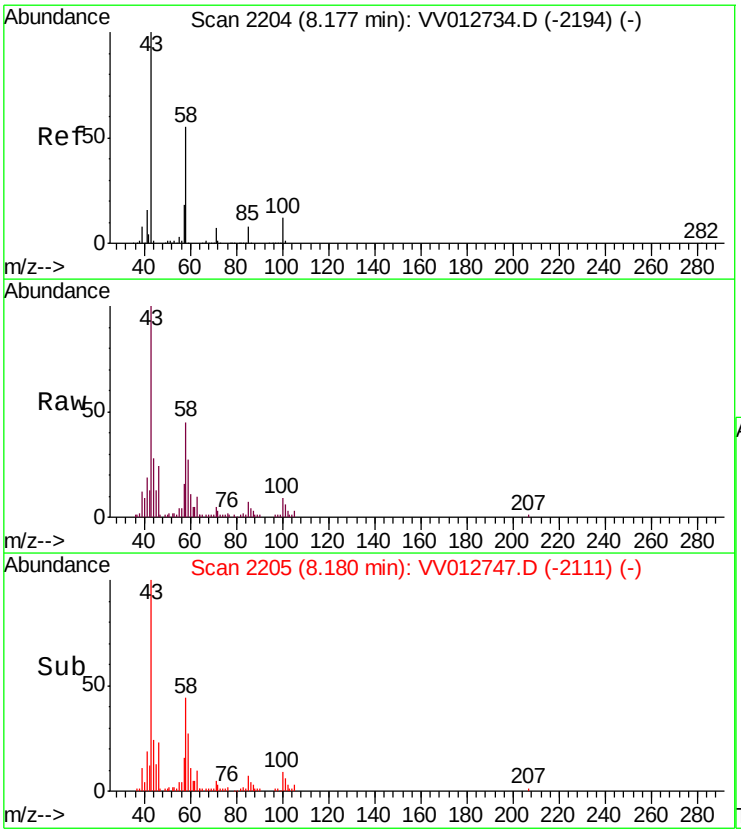

#34
Trichloroethene
Concen: 4.666 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

**Instrument :** MSVOA_V
**ClientSampleId :** C0MK8

Tgt Ion: 95 Resp: 26897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 61.8 | 45.1 | 83.9 |
| 132 | 92.5 | 70.6 | 131.0 |
| 130 | 103.9 | 74.6 | 138.6 |

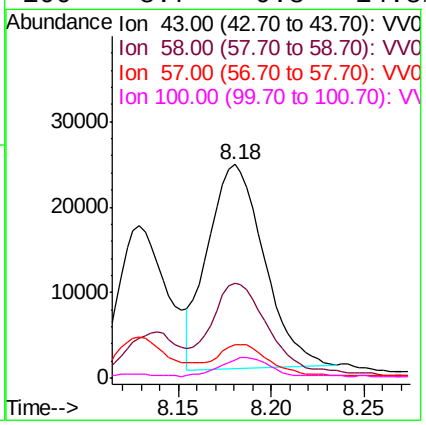


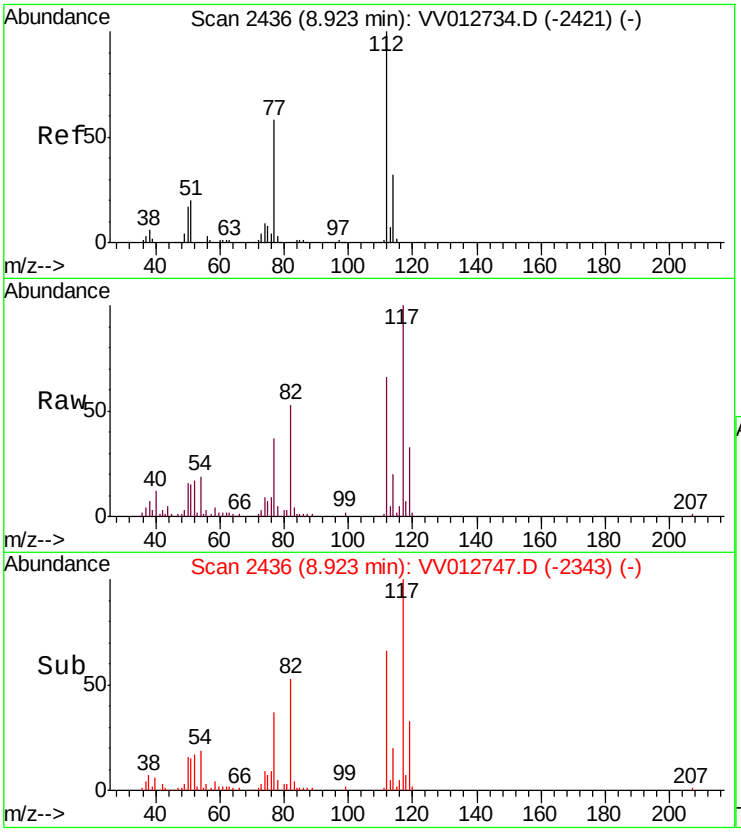




#48
2-Hexanone
Concen: 7.832 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

Tgt Ion: 43 Resp: 50159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.1 | 43.8 | 65.8# |
| 57 | 14.1 | 14.3 | 21.5# |
| 100 | 8.7 | 9.8 | 14.8# |



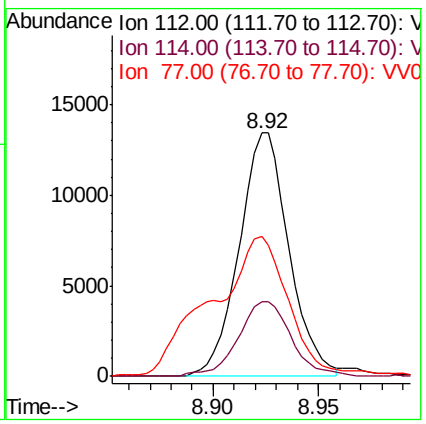


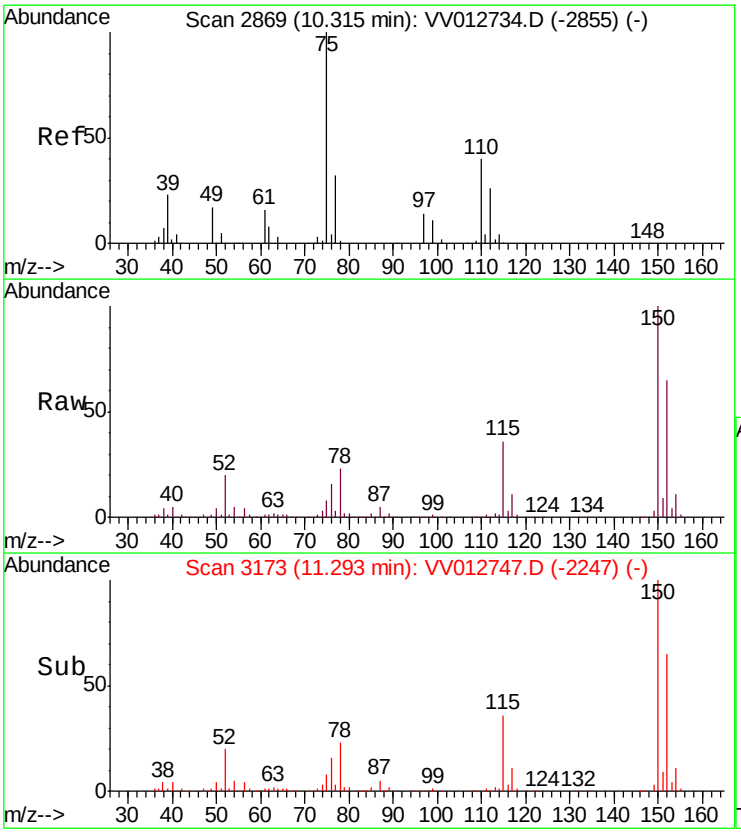

#51
Chlorobenzene
Concen: 1.562 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0MK8

Tgt Ion:112 Resp: 22041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.8 | 22.4 | 41.6 |
| 77 | 57.2 | 46.7 | 70.1 |

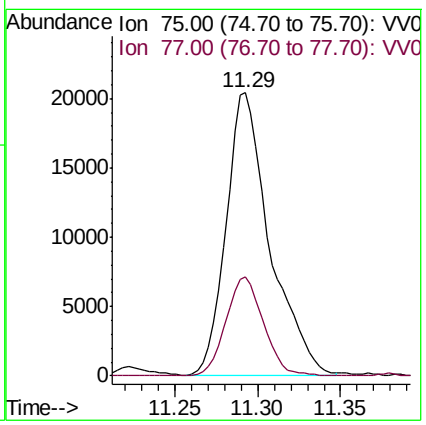


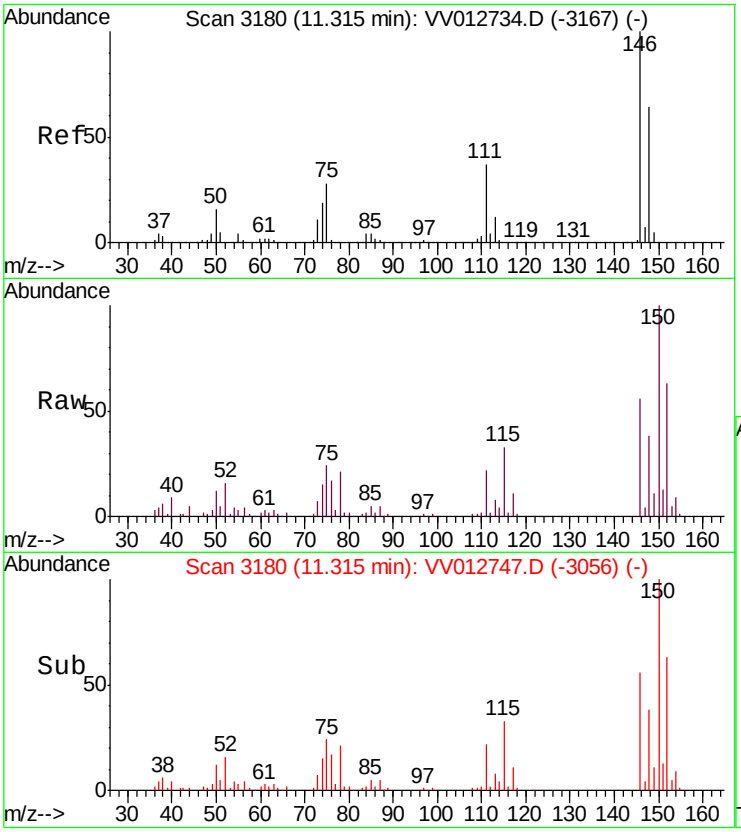




#59
1,2,3-Trichloropropane
Concen: 5.177 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.98 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

Tgt Ion: 75 Resp: 37585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 25.9 | 38.9 |



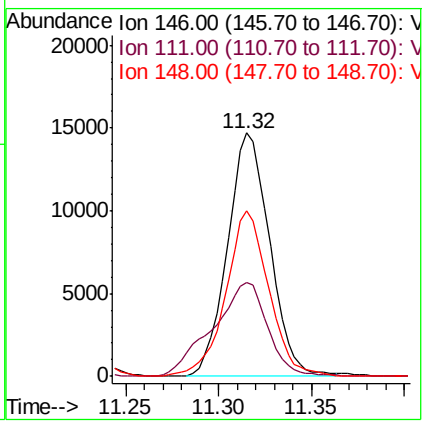


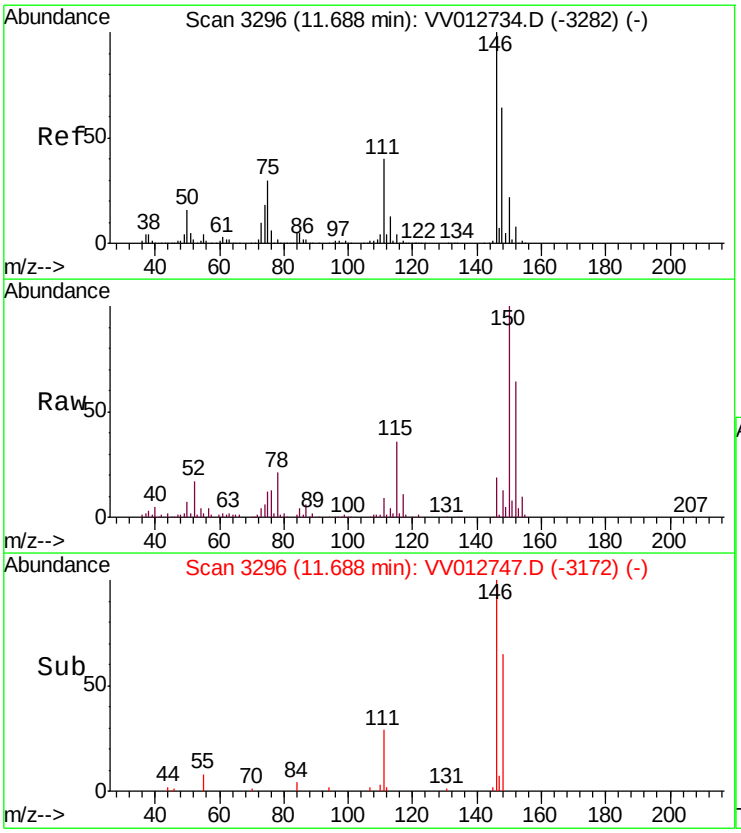

#63
1,4-Dichlorobenzene
Concen: 2.784 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. -0.00 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0MK8

Tgt Ion:146 Resp: 23324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 26.2 | 48.8 |
| 148 | 67.8 | 45.0 | 83.6 |

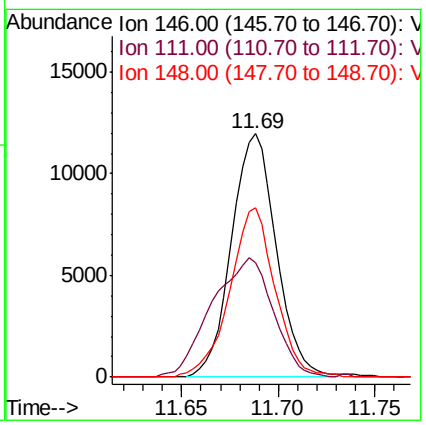


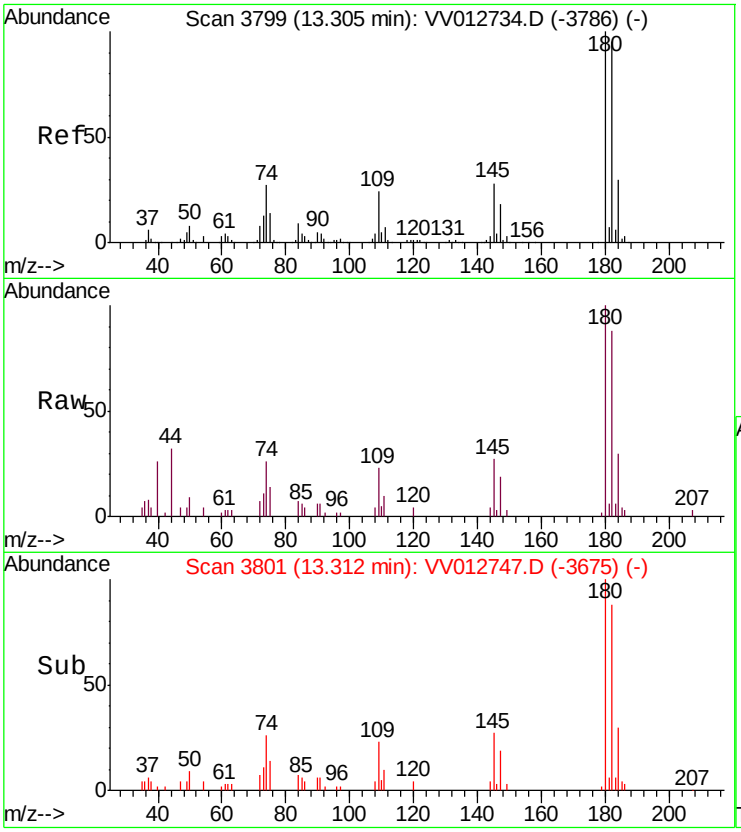




#65
1,2-Dichlorobenzene
Concen: 2.249 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. -0.00 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

Tgt Ion:146 Resp: 19313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.2 | 32.2 | 48.2 |
| 148 | 69.4 | 51.5 | 77.3 |






#68
1,2,4-trichlorobenzene
Concen: 1.480 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.01 min
Lab File: VV012747.D
Acq: 14 Sep 2019 00:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0MK8

Tgt Ion:180 Resp: 7547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.1 | 76.8 | 115.2 |
| 145 | 28.8 | 23.0 | 34.4 |