Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017901.D
Acq On : 14 Aug 2020 15:43
Operator : JC/SP
Sample : L3697-06
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BG0N3

Quant Time: Aug 17 03:38:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 01:26:51 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.83 | 114 | 284459 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 10.10 | 117 | 264909 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 128040 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 96319 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 98.00% | | | |
| 7) Chloroethane-d5 | 1.69 | 69 | 82521 | 5.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 105.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.34 | 63 | 147053 | 3.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 72.60% | | | |
| 20) 2-Butanone-d5 | 4.53 | 46 | 263207 | 50.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.84% | | | |
| 24) Chloroform-d | 5.15 | 84 | 175369 | 4.39 | ug/L | 0.01 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 6.03 | 65 | 102659 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.80% | | | |
| 32) Benzene-d6 | 6.05 | 84 | 350336 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 7.37 | 67 | 112107 | 4.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 99.80% | | | |
| 41) Toluene-d8 | 8.70 | 98 | 311269 | 4.50 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.00% | | | |
| 45) trans-1,3-Dichloropropene- | 8.99 | 79 | 44765 | 4.60 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 92.00% | | | |
| 48) 2-Hexanone-d5 | 9.43 | 63 | 212916 | 52.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.24% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23 | 84 | 82774 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.80% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 12.36 | 152 | 127693 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 103.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.72 | 64 | 47078 | 3.142 | ug/L | 95 |
| 13) Acetone | 2.42 | 43 | 4085 | 1.071 | ug/L | 73 |
| 17) Methyl tert-butyl Ether | 3.17 | 73 | 15745 | 0.270 | ug/L # | 83 |
| 19) 1,1-Dichloroethane | 3.67 | 63 | 53145 | 1.204 | ug/L | 97 |
| 25) Chloroform | 5.18 | 83 | 26974 | 0.568 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 5.47 | 97 | 5627 | 0.129 | ug/L # | 87 |
| 33) Benzene | 6.11 | 78 | 96195 | 1.026 | ug/L | 100 |
| 42) Toluene | 8.77 | 91 | 134097 | 1.317 | ug/L | 97 |
| 49) Tetrachloroethene | 9.32 | 164 | 4118 | 0.188 | ug/L | 88 |
| 53) Chlorobenzene | 10.12 | 112 | 19527 | 0.295 | ug/L | 94 |
| 54) Ethylbenzene | 10.24 | 91 | 21356 | 0.192 | ug/L | 99 |
| 55) m,p-xylene | 10.34 | 106 | 21998 | 0.519 | ug/L | 98 |
| 64) 1,4-Dichlorobenzene | 12.09 | 146 | 19401 | 0.391 | ug/L | 92 |

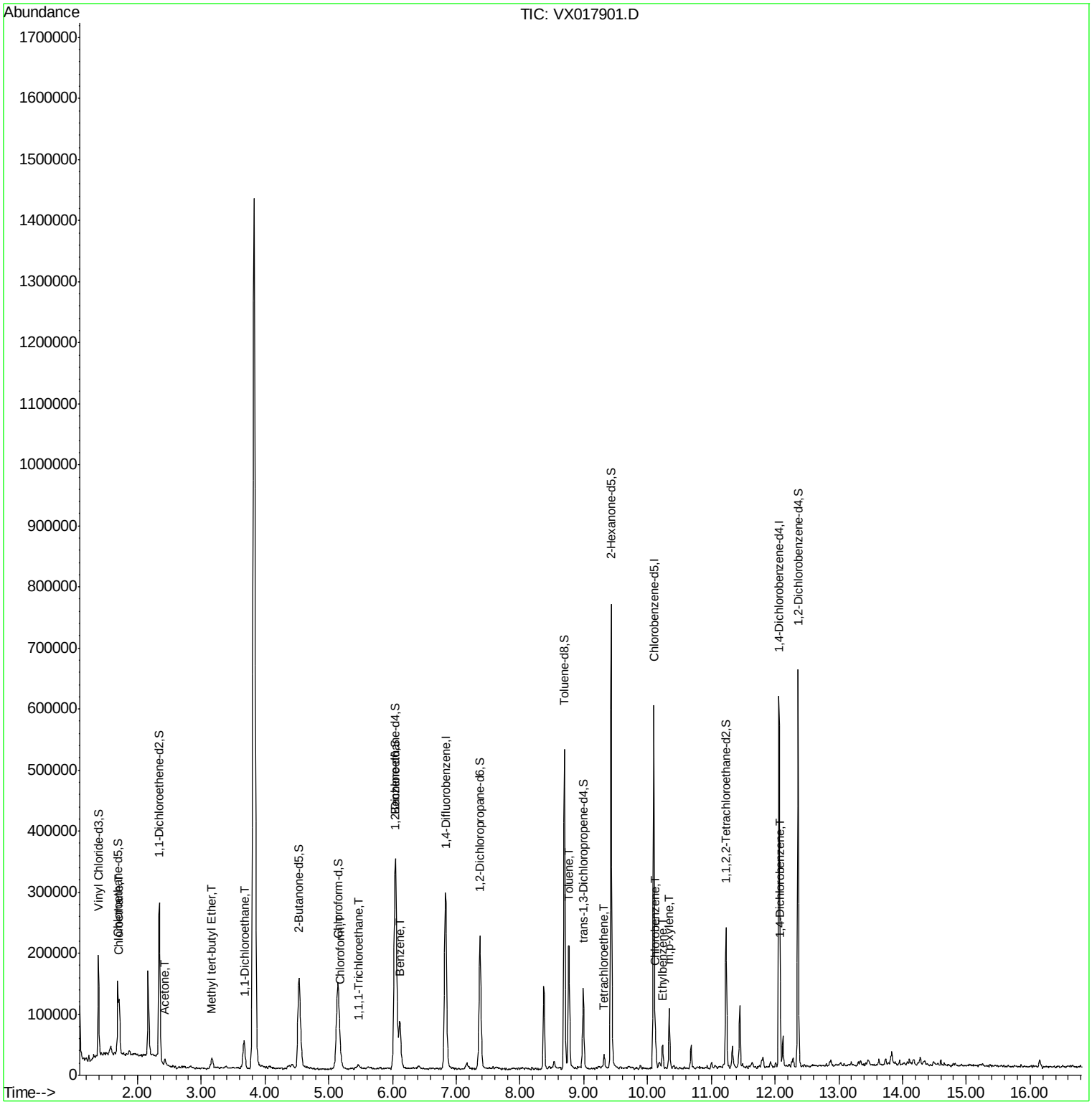
(#) = qualifier out of range (m) = manual integration (+) = signals summed

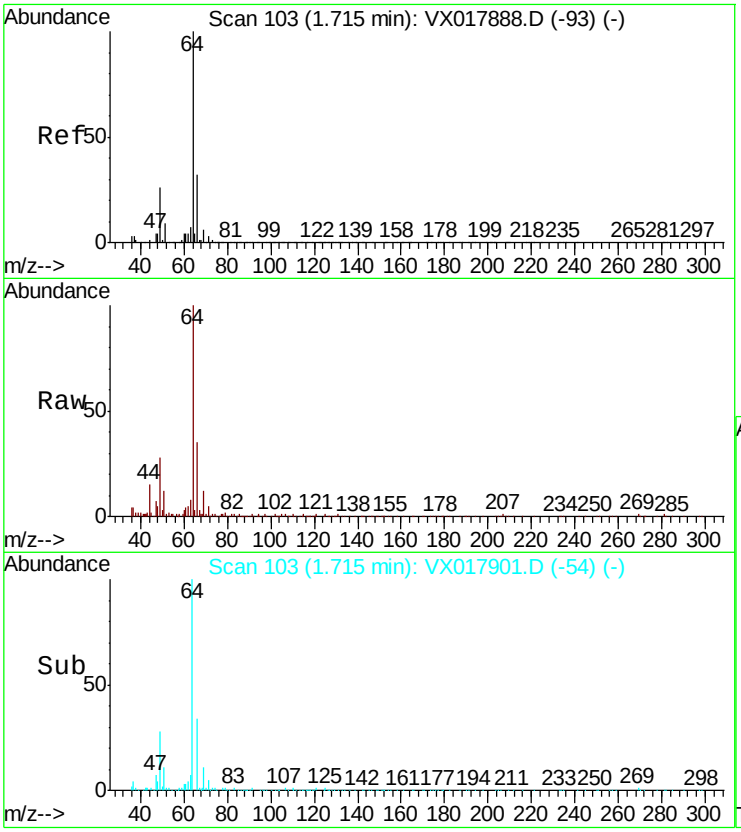
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081420\
Data File : VX017901.D
Acq On : 14 Aug 2020 15:43
Operator : JC/SP
Sample : L3697-06
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Quant Time: Aug 17 03:38:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 17 01:26:51 2020
Response via : Initial Calibration



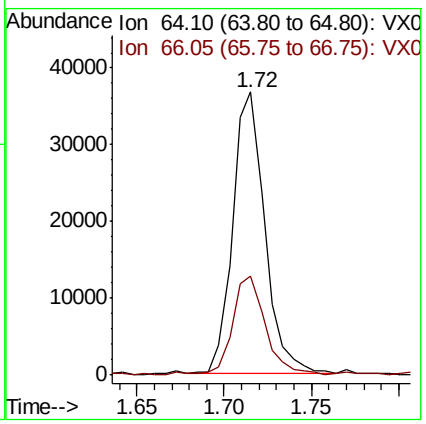


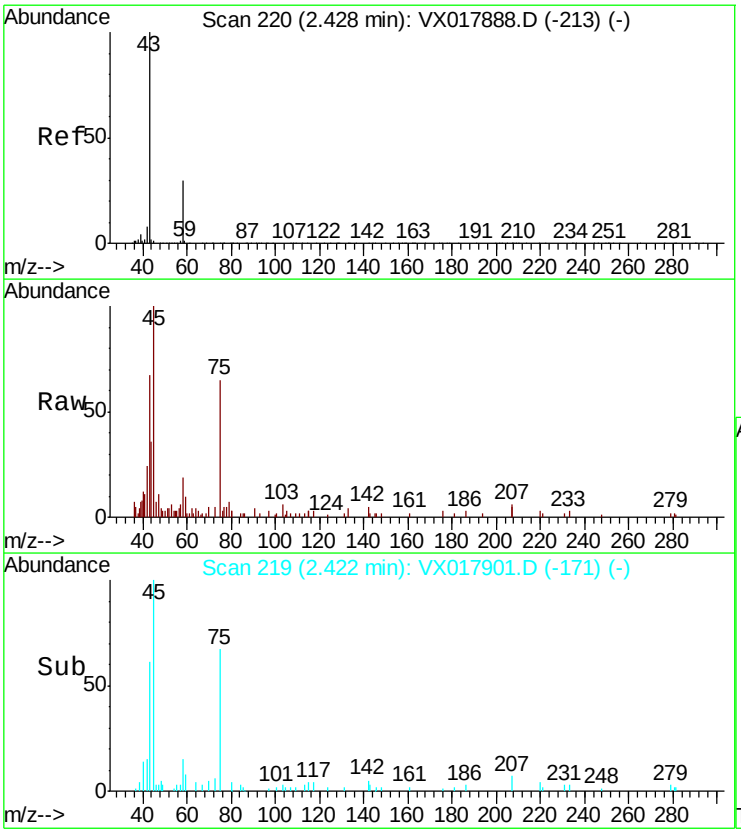

#8
Chloroethane
Concen: 3.142 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Tgt Ion: 64 Resp: 47078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 22.6 | 42.0 |

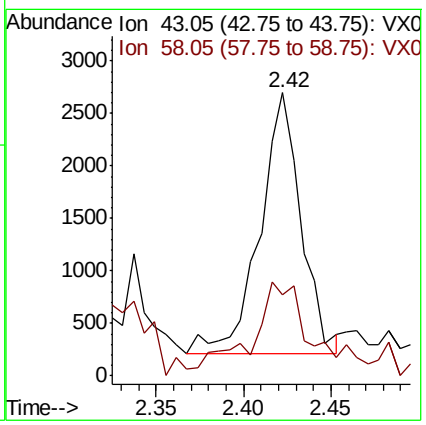


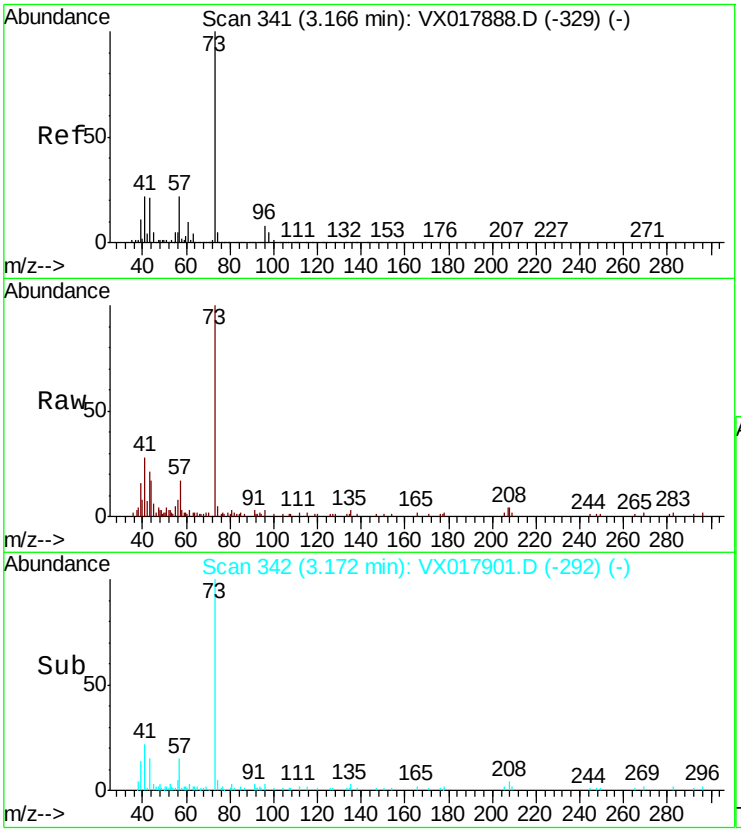




#13
Acetone
Concen: 1.071 ug/L
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion: 43 Resp: 4085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.2 | 0.0 | 60.8 |



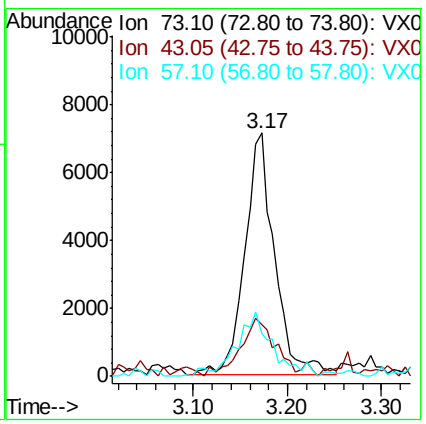


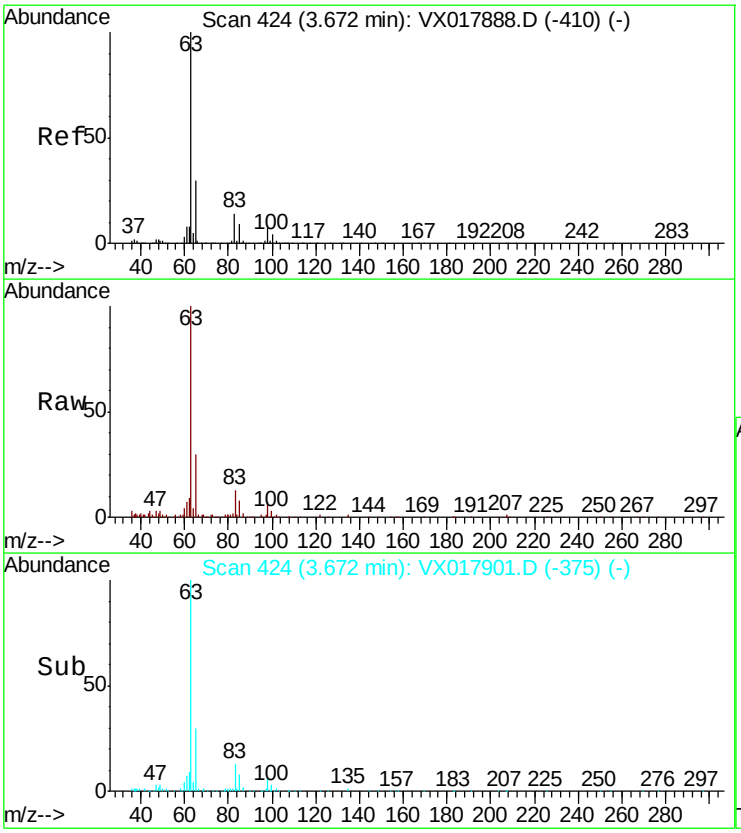

#17
Methyl tert-butyl Ether
Concen: 0.270 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :** MSVOA_X
**ClientSampleId :** BG0N3

Tgt Ion: 73 Resp: 15745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 28.1 | 17.7 | 26.5# |
| 57 | 31.0 | 17.0 | 25.6# |

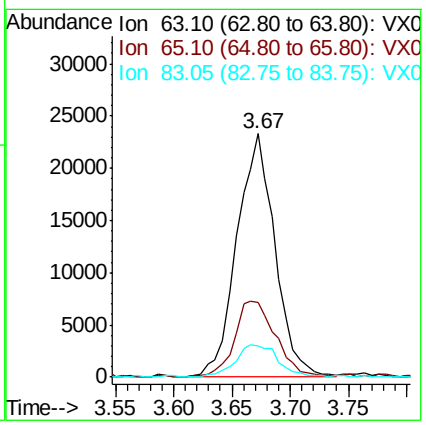


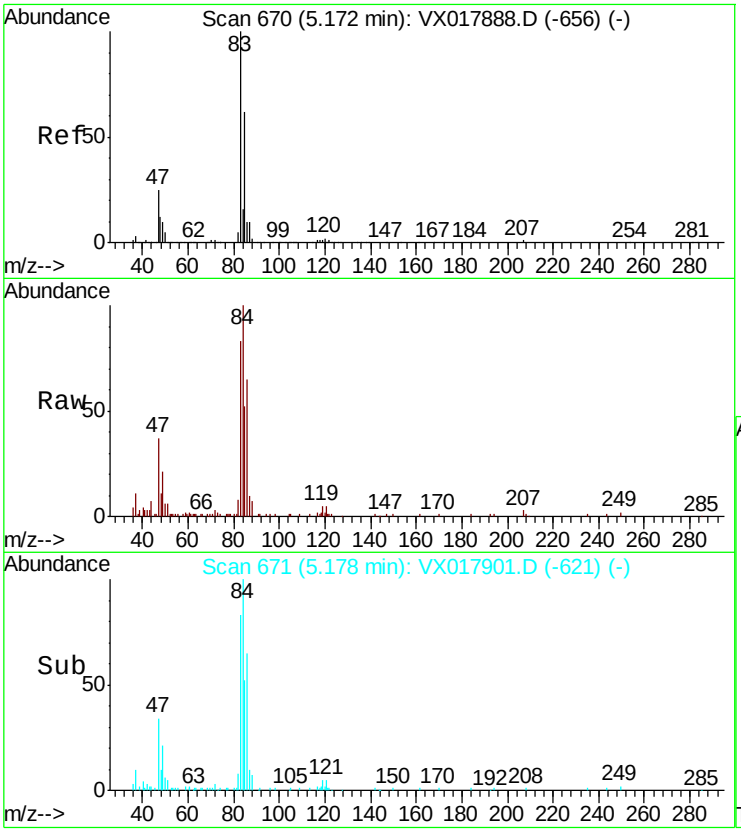




#19
1,1-Dichloroethane
Concen: 1.204 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion: 63 Resp: 53145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 22.6 | 42.0 |
| 83 | 13.0 | 9.5 | 17.7 |



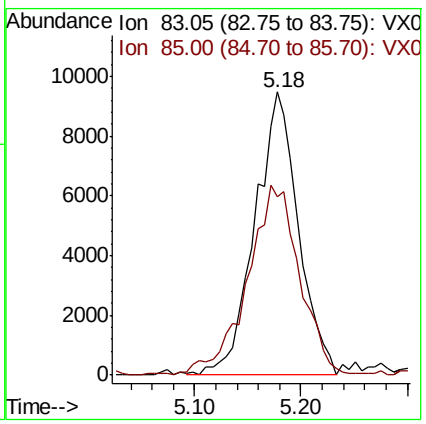


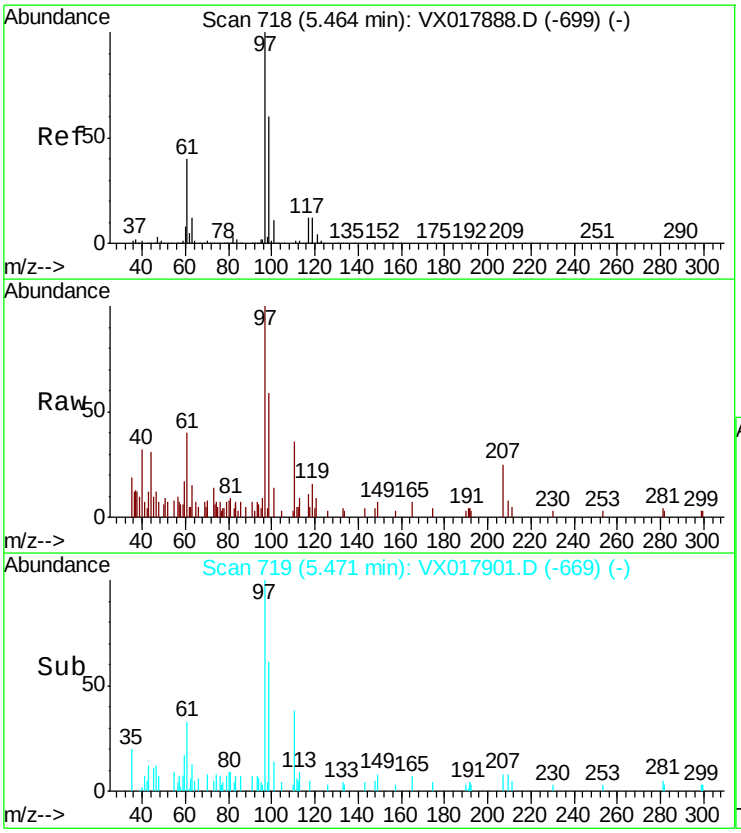

#25
Chloroform
Concen: 0.568 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Tgt Ion: 83 Resp: 26974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.1 | 44.7 | 83.1 |

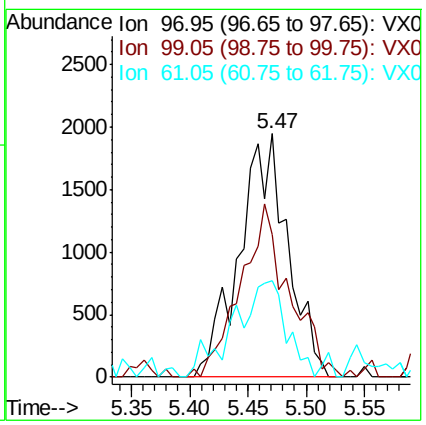


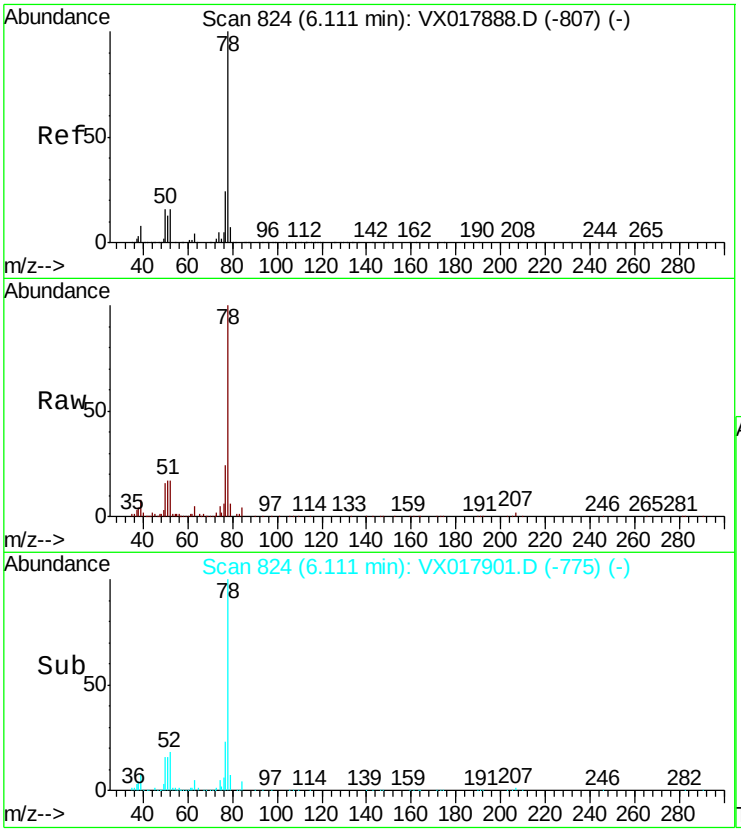




#29
1,1,1-Trichloroethane
Concen: 0.129 ug/L
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion: 97 Resp: 5627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 71.2 | 52.2 | 78.2 |
| 61 | 28.1 | 33.8 | 50.6# |

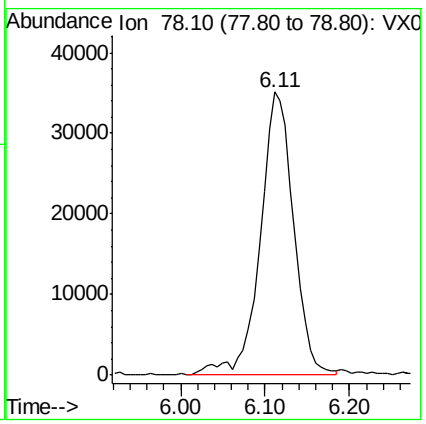


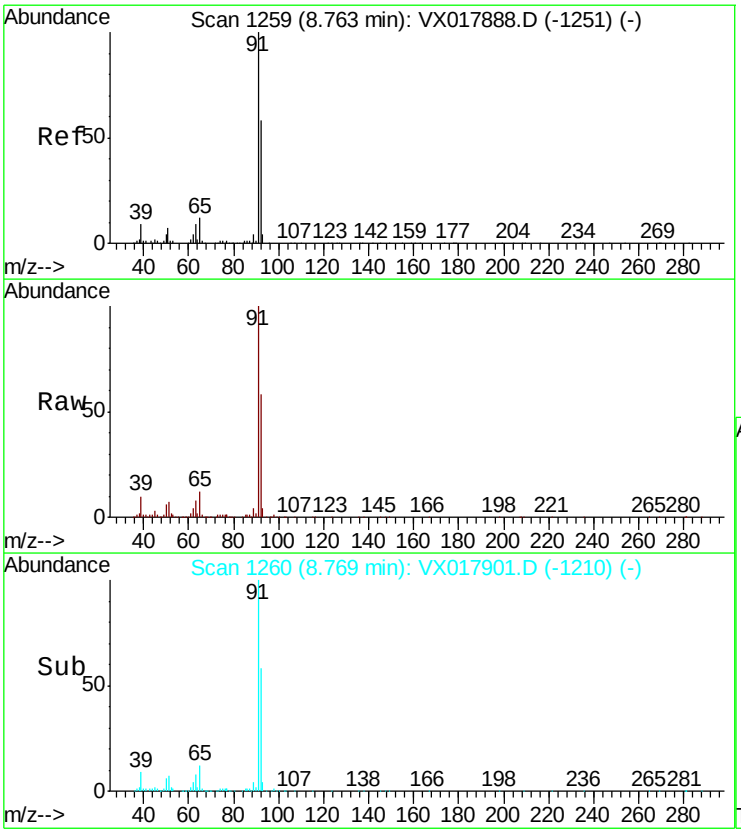



#33
Benzene
Concen: 1.026 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Tgt Ion: 78 Resp: 96195

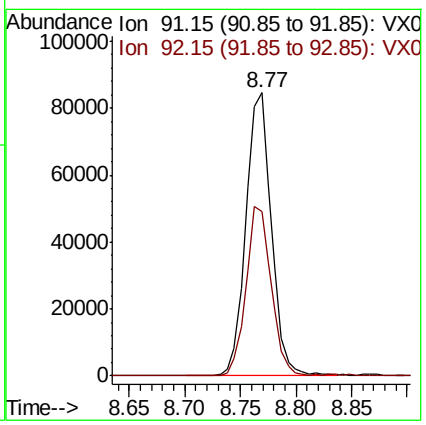


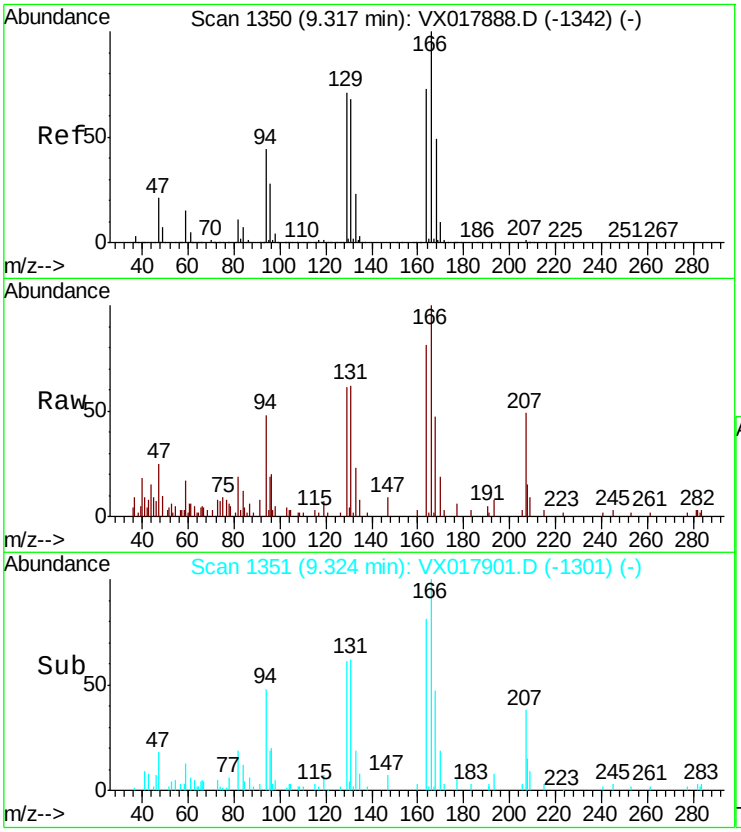




#42
Toluene
Concen: 1.317 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion: 91 Resp: 134097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.9 | 38.8 | 72.0 |



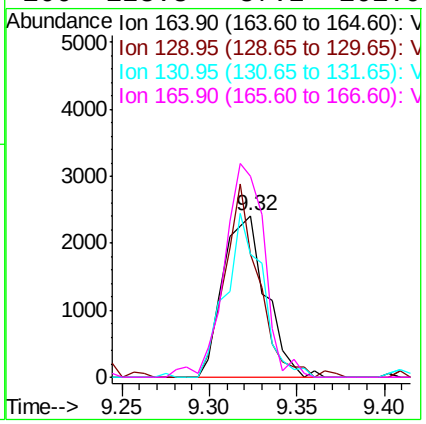


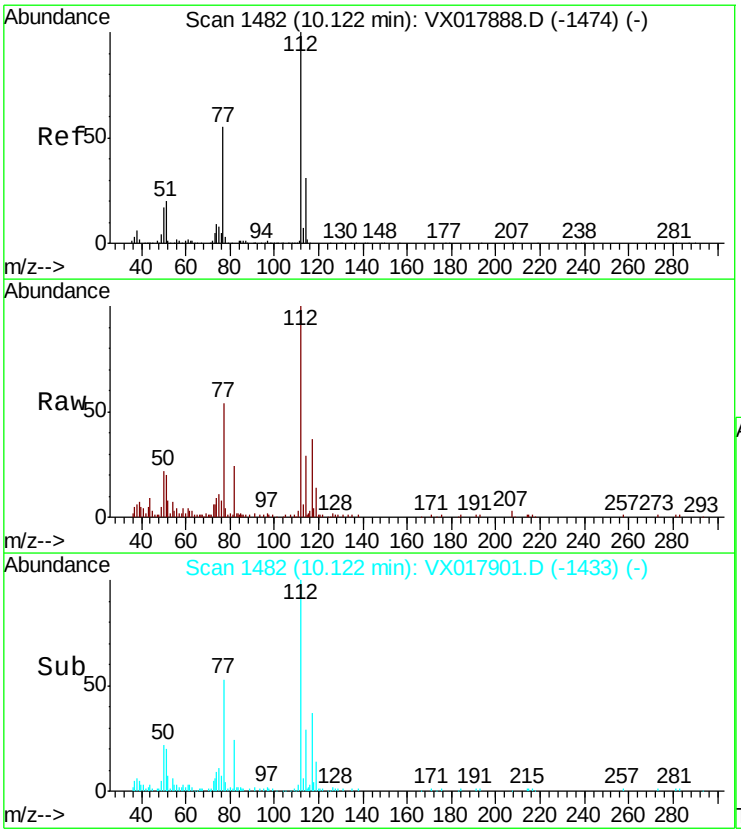

#49
Tetrachloroethene
Concen: 0.188 ug/L
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Tgt Ion:164 Resp: 4118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.9 | 67.4 | 125.2 |
| 131 | 76.2 | 65.3 | 121.3 |
| 166 | 123.8 | 87.2 | 161.9 |

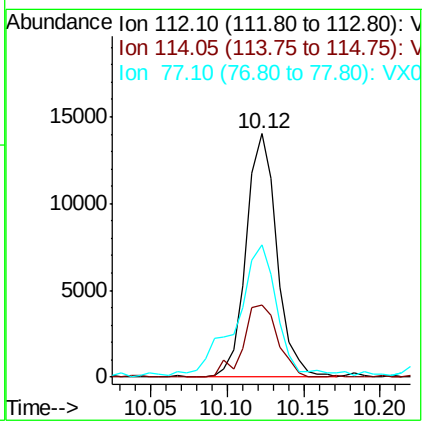


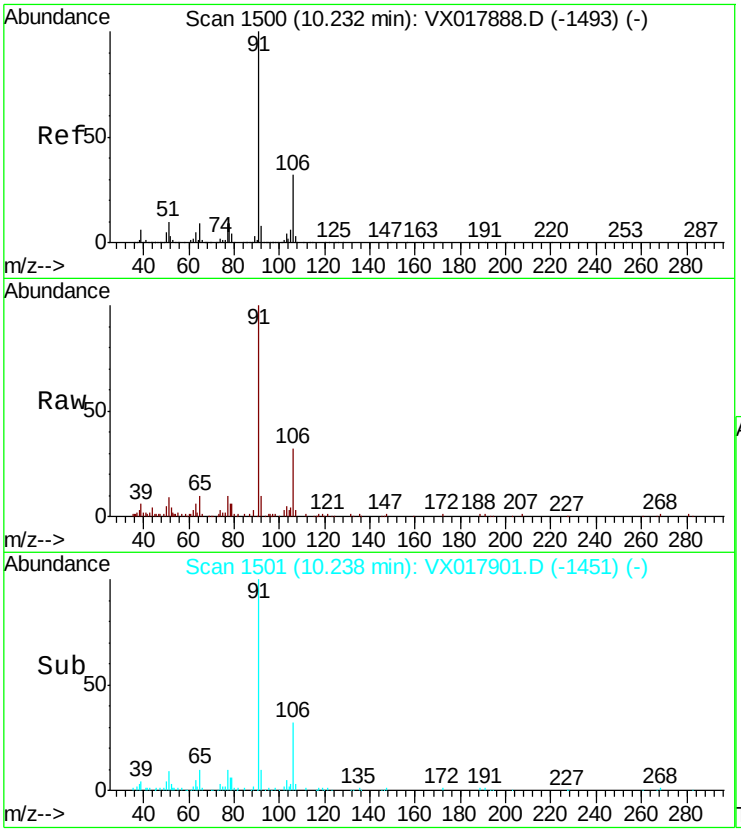




#53
Chlorobenzene
Concen: 0.295 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion:112 Resp: 19527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.4 | 23.5 | 43.7 |
| 77 | 54.1 | 46.7 | 70.1 |



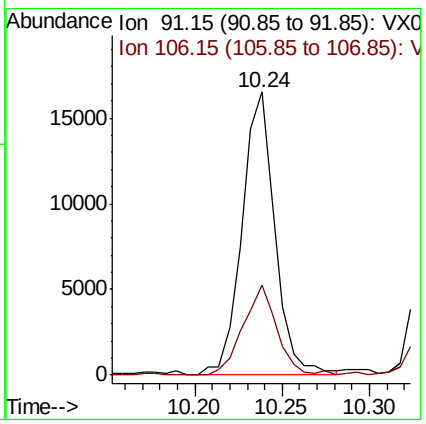


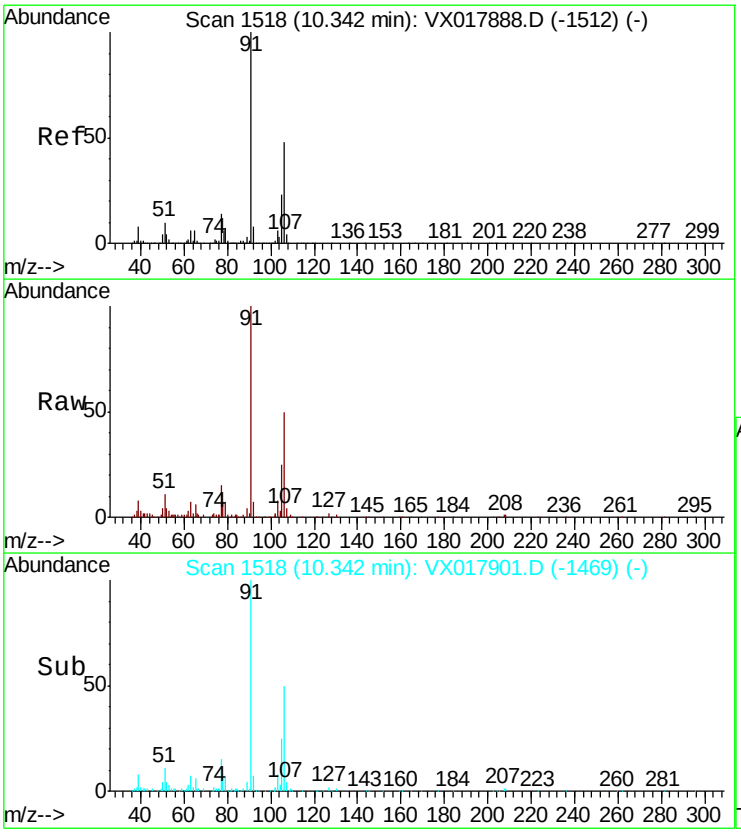

#54
Ethylbenzene
Concen: 0.192 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :** MSVOA_X
**ClientSampleId :** BG0N3

Tgt Ion: 91 Resp: 21356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 22.5 | 41.9 |

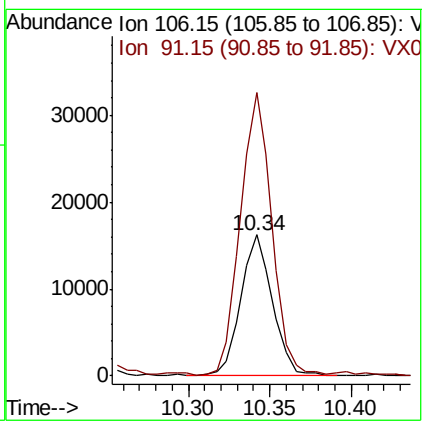


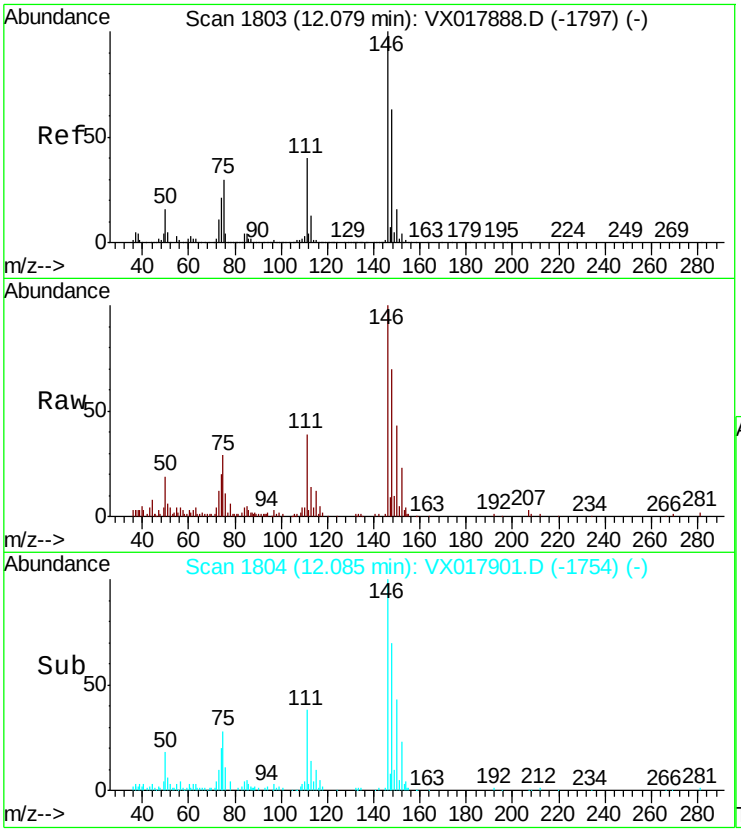




#55
m,p-xylene
Concen: 0.519 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

Tgt Ion:106 Resp: 21998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.2 | 143.3 | 266.1 |






#64
1,4-Dichlorobenzene
Concen: 0.391 ug/L
RT: 12.09 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VX017901.D
Acq: 14 Aug 2020 15:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG0N3

Tgt Ion:146 Resp: 19401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.1 | 26.0 | 48.2 |
| 148 | 69.8 | 43.2 | 80.2 |