Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071519\
Data File : VX010878.D
Acq On : 15 Jul 2019 12:45
Operator : JC/SP
Sample : K3781-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 390711760.3-VOA

Quant Time: Jul 16 09:51:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 236618 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 368469 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 340070 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 161489 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 124019 | 55.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 111.80% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 114934 | 50.98 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 101.96% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 441671 | 51.21 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 102.42% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 157426 | 50.56 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 101.12% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Diethyl Ether | 2.19 | 74 | 2662 | 2.232 | ug/l | | 92 |
| 11) Tert butyl alcohol | 3.04 | 59 | 1021791 | 1760.140 | ug/l | | 98 |
| 16) Acetone | 2.45 | 43 | 2140 | 1.925 | ug/l | # | 75 |
| 19) Methyl tert-butyl Ether | 3.19 | 73 | 9599 | 1.488 | ug/l | | 96 |
| 29) Tetrahydrofuran | 5.13 | 42 | 225806 | 223.520 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.74 | 88 | 3239 | 48.537 | ug/l | # | 84 |
| 68) m/p-Xylenes | 10.35 | 106 | 4425 | 0.980 | ug/l | | 94 |
| 69) o-Xylene | 10.70 | 106 | 5995 | 1.350 | ug/l | | 98 |
| 73) Isopropylbenzene | 11.02 | 105 | 3802 | 0.347 | ug/l | | 94 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 3054 | 0.338 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 3268 | 0.360 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 11871 | 2.185 | ug/l | # | 81 |

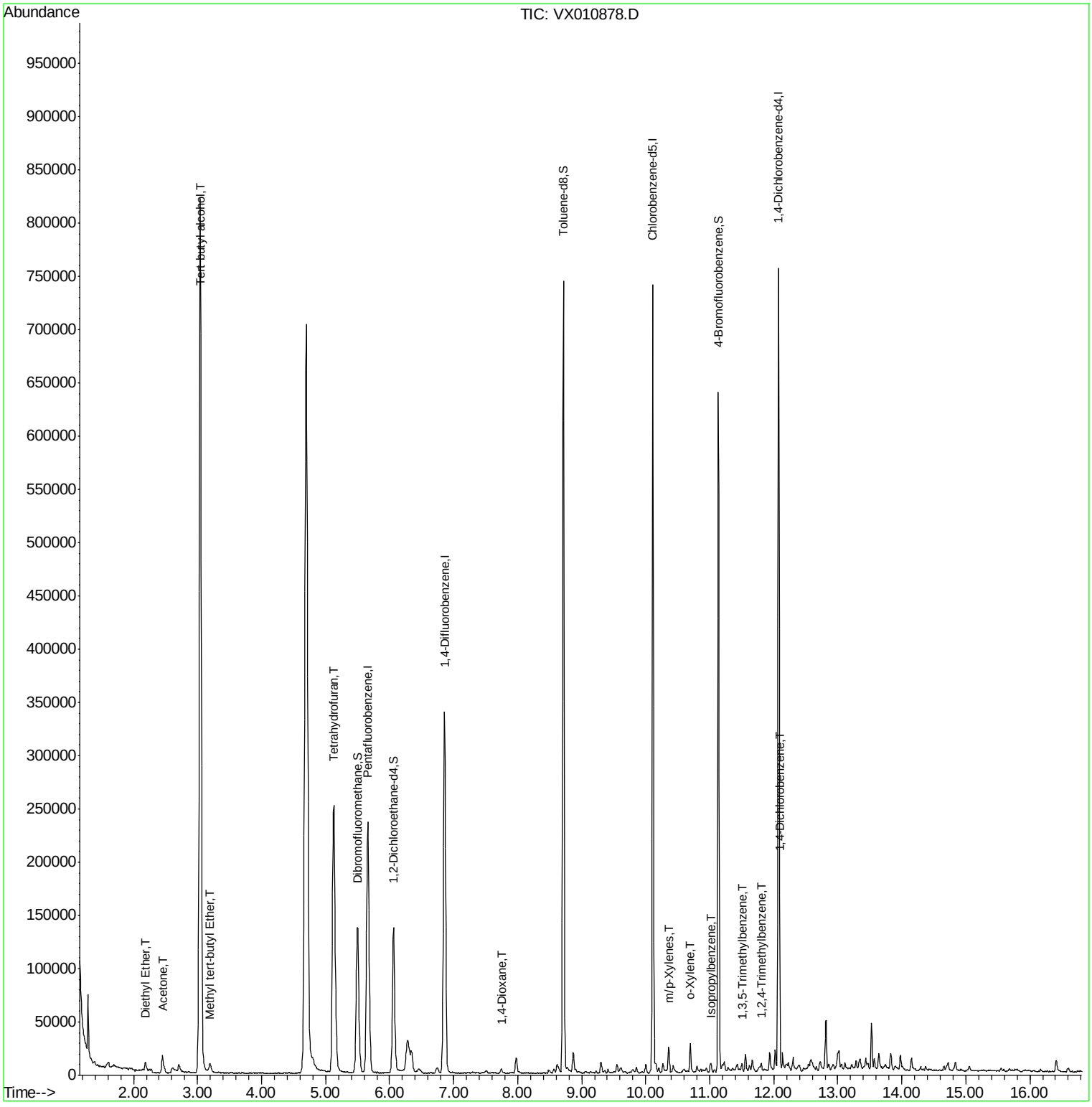
(#) = qualifier out of range (m) = manual integration (+) = signals summed

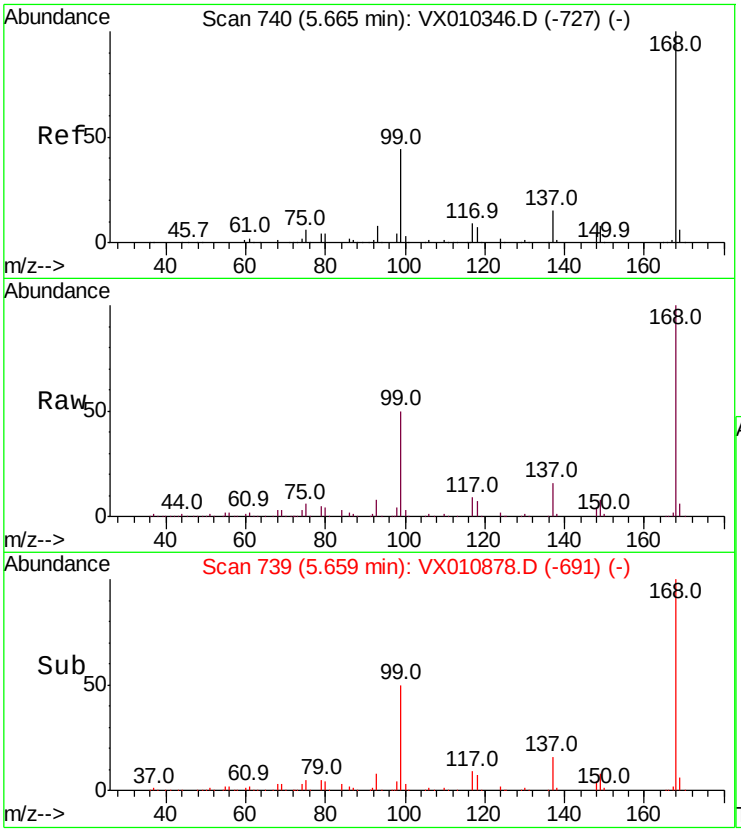
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071519\
Data File : VX010878.D
Acq On : 15 Jul 2019 12:45
Operator : JC/SP
Sample : K3781-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Quant Time: Jul 16 09:51:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration



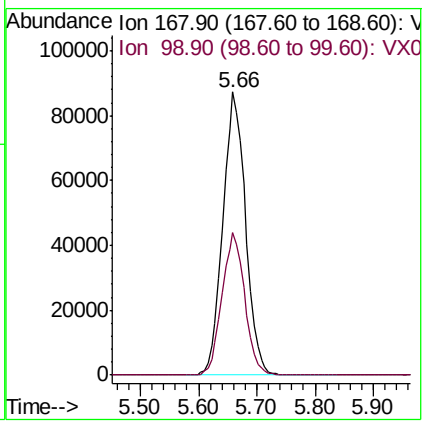


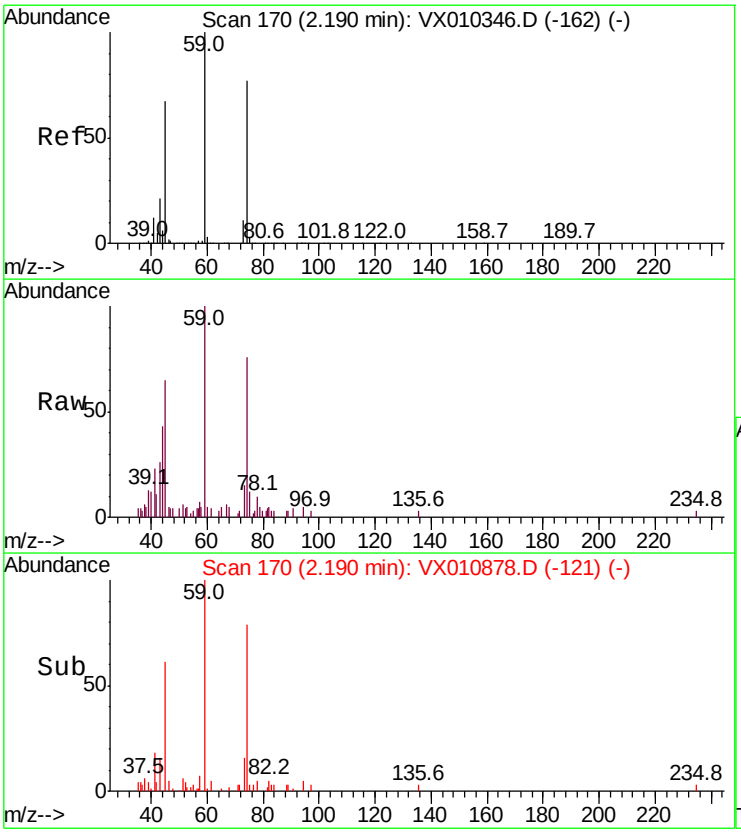

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion:168 Resp: 236618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.4 | 35.5 | 53.3 |

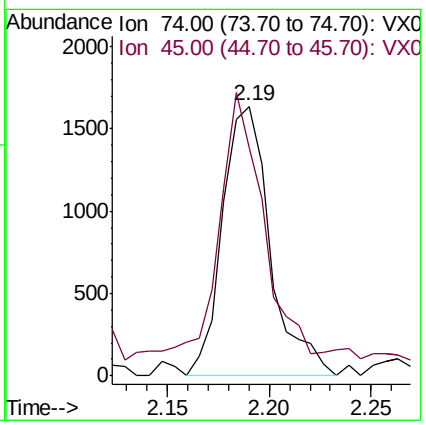


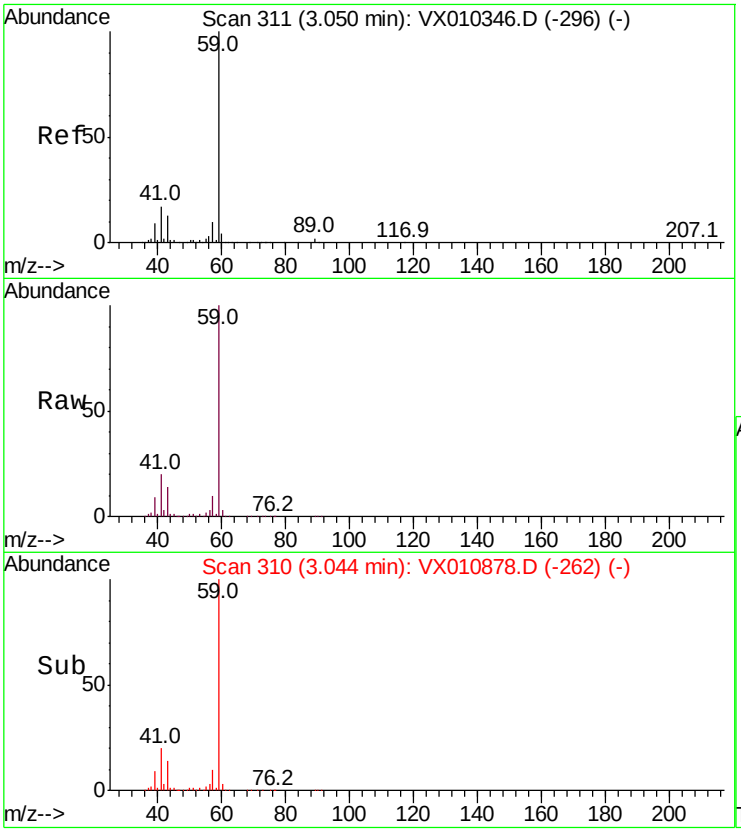




#8
Diethyl Ether
Concen: 2.232 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion: 74 Resp: 2662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 81.9 | 44.8 | 134.4 |



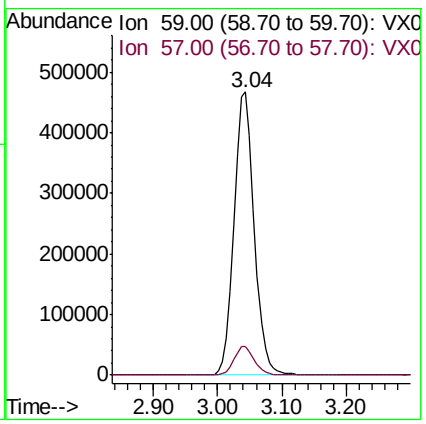


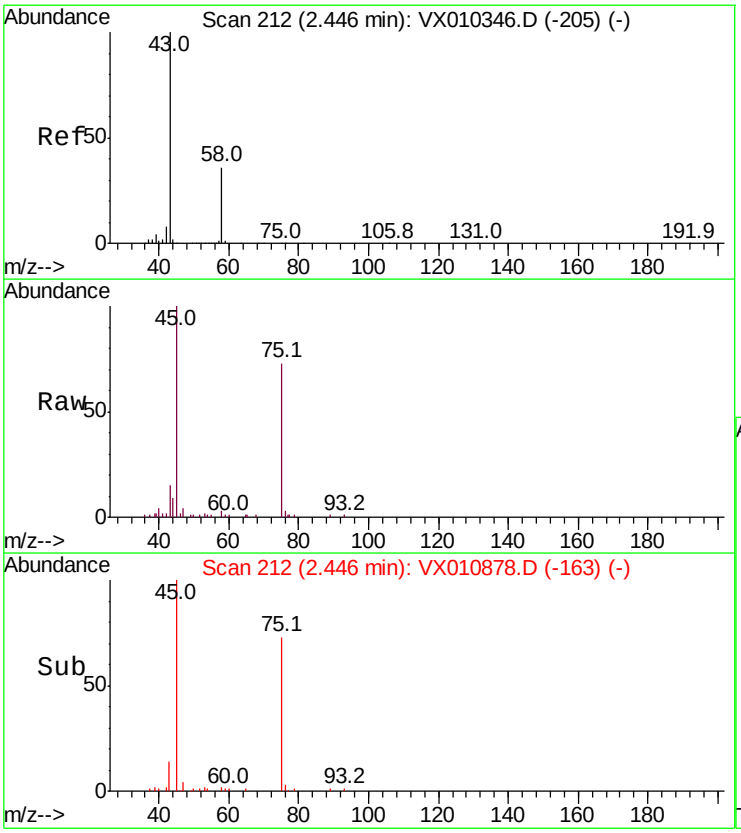

#11
Tert butyl alcohol
Concen: 1760.140 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion: 59 Resp: 1021791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 7.7 | 11.5 |

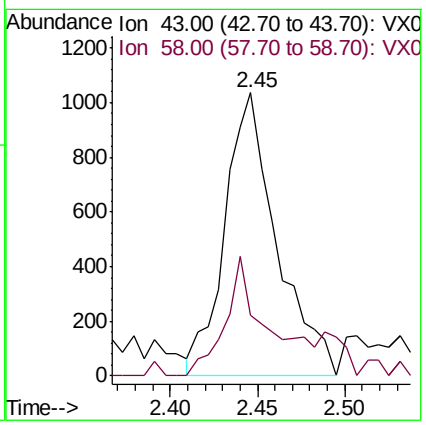


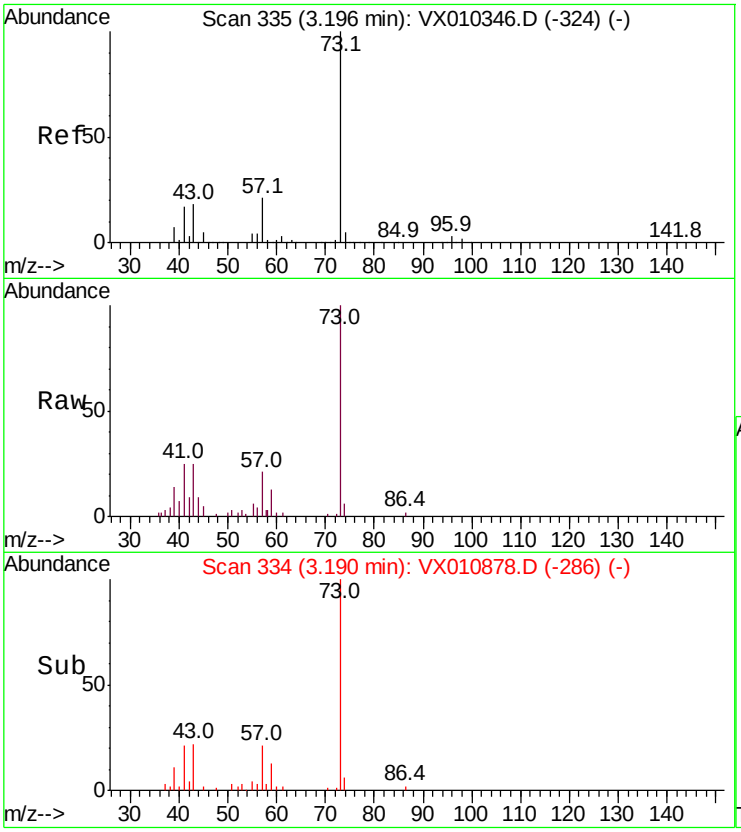




#16
Acetone
Concen: 1.925 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion: 43 Resp: 2140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.3 | 28.9 | 43.3# |



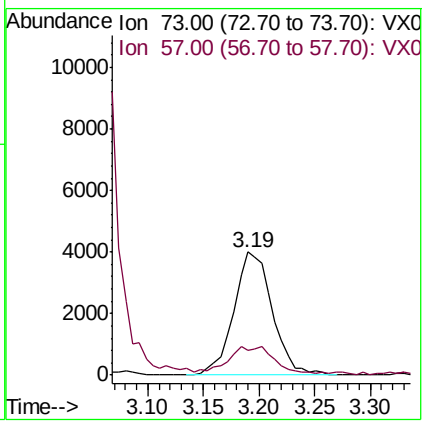


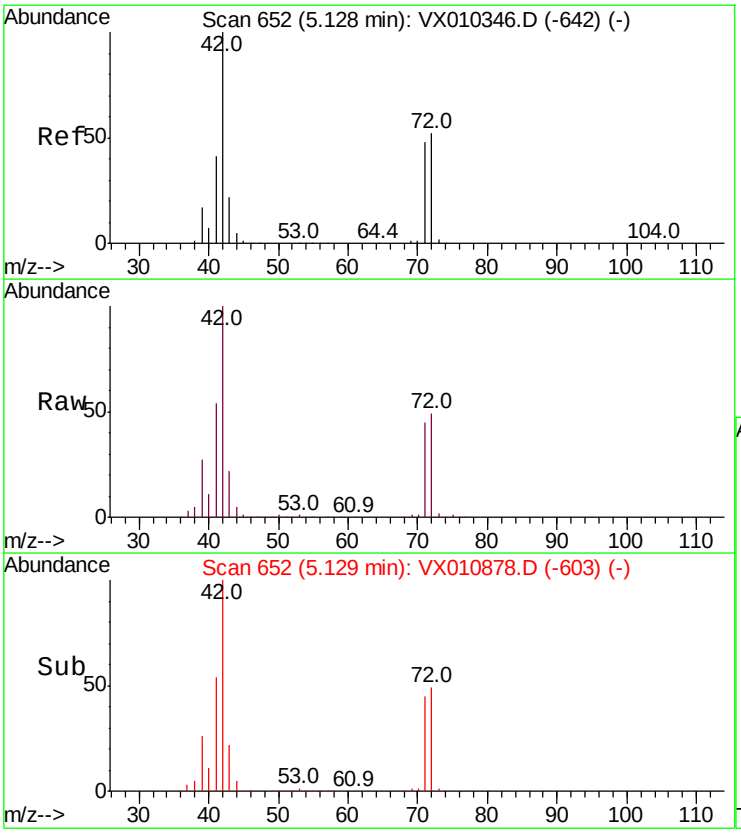

#19
Methyl tert-butyl Ether
Concen: 1.488 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion: 73 Resp: 9599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 18.5 | 16.4 | 24.6 |

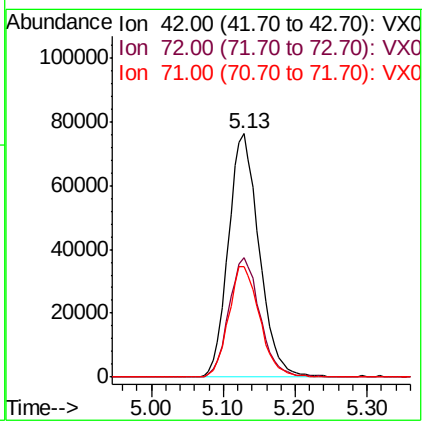


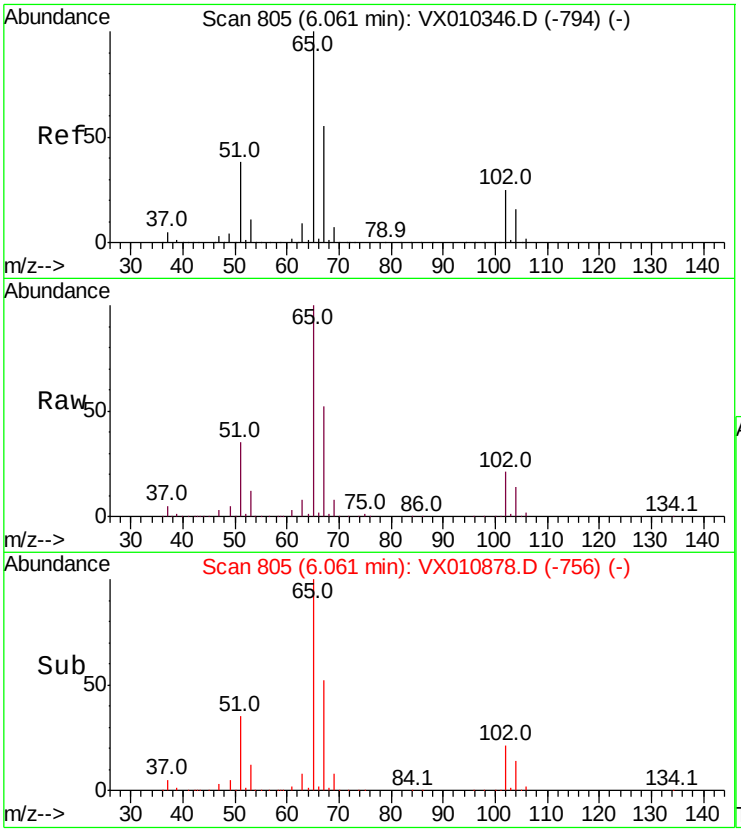




#29
Tetrahydrofuran
Concen: 223.520 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion: 42 Resp: 225806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.6 | 40.6 | 60.8 |
| 71 | 46.2 | 37.8 | 56.8 |



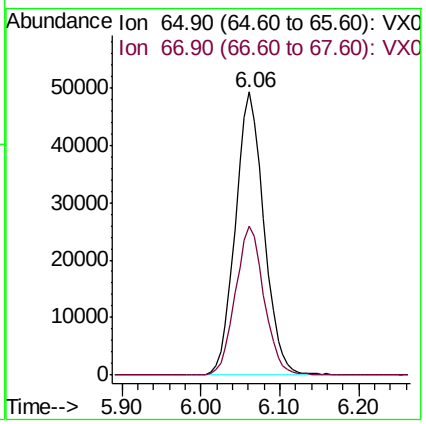


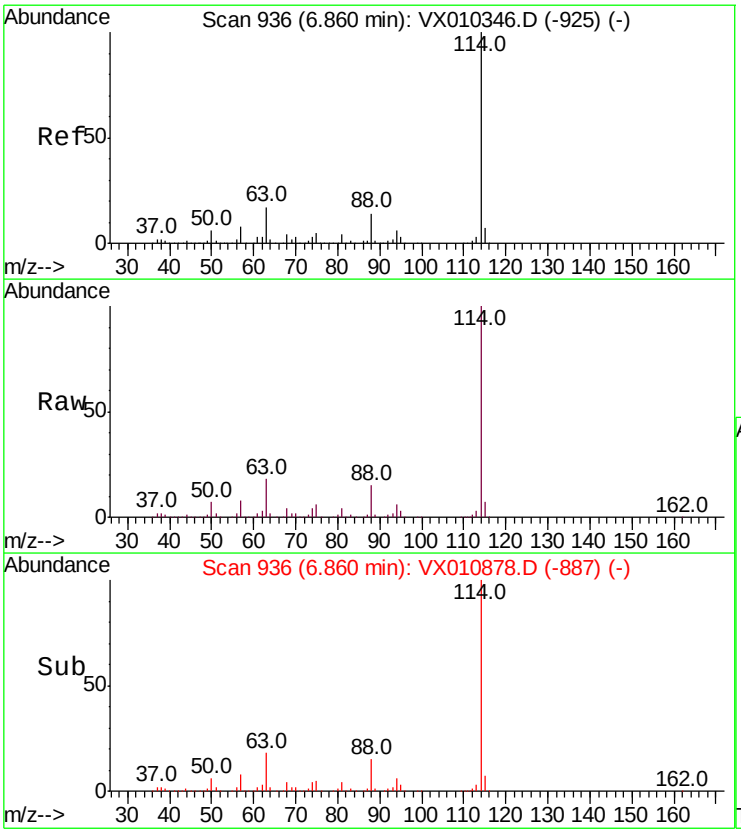

#33
1,2-Dichloroethane-d4
Concen: 55.901 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion: 65 Resp: 124019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 110.2 |

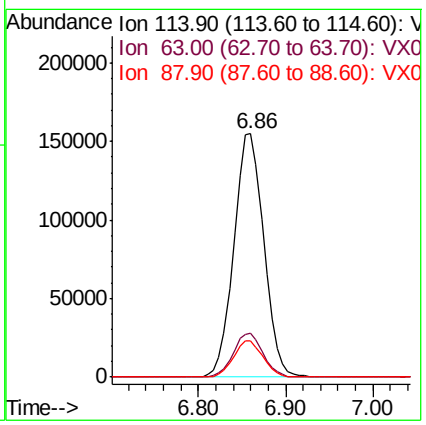


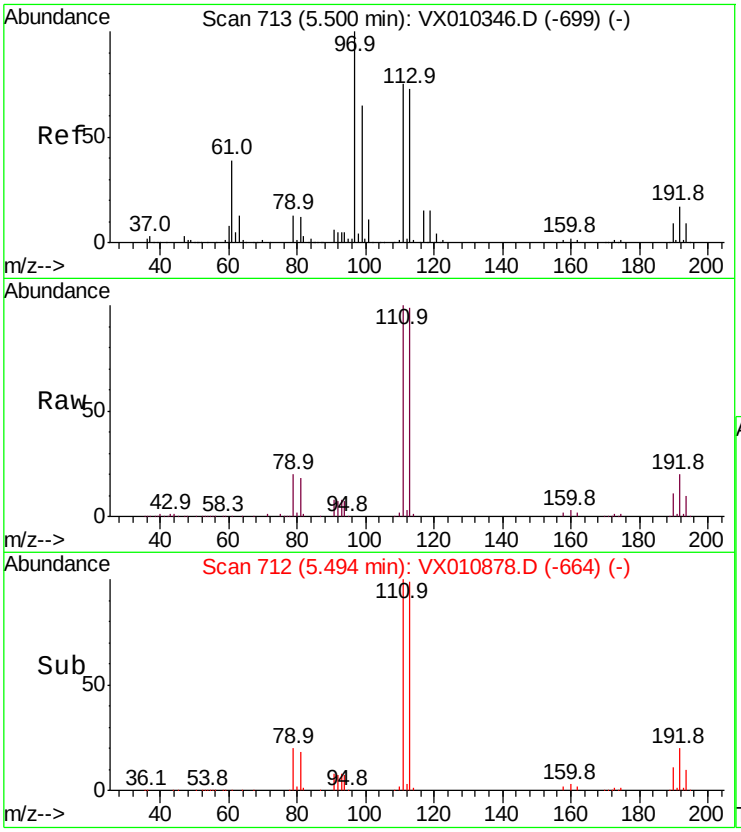




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:114 Resp: 368469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.0 | 0.0 | 33.8 |
| 88 | 14.7 | 0.0 | 27.6 |



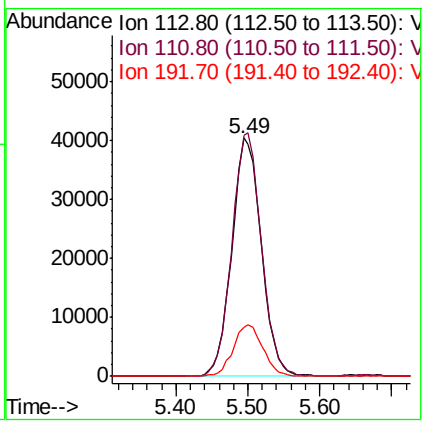


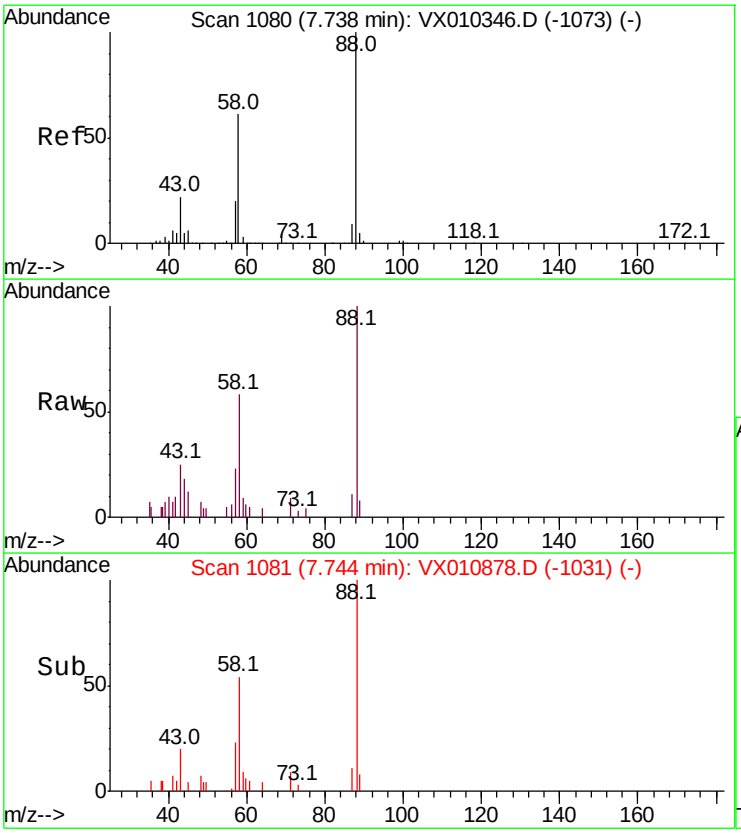

#35
Dibromofluoromethane
Concen: 50.981 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion:113 Resp: 114934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 81.2 | 121.8 |
| 192 | 21.7 | 18.6 | 27.8 |

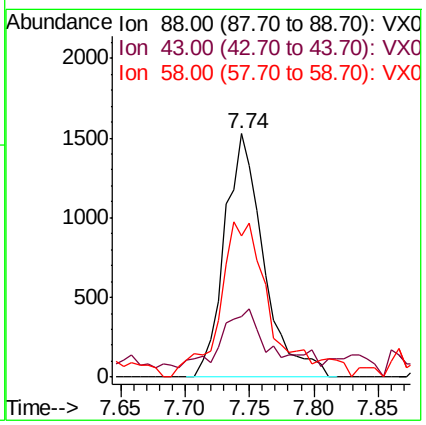


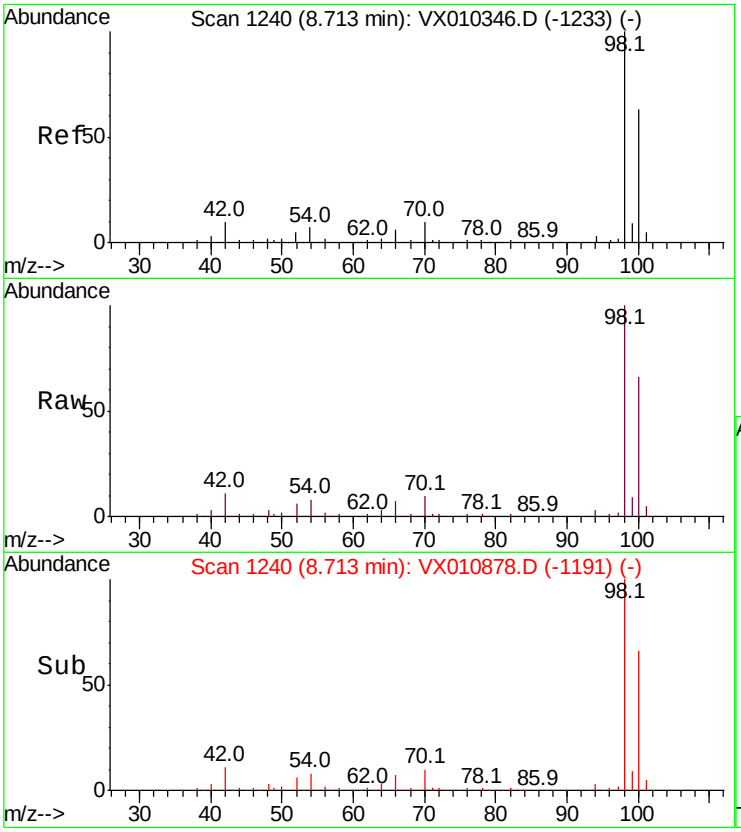




#49
1,4-Dioxane
Concen: 48.537 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion: 88 Resp: 3239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 25.7 | 20.2 | 30.2 |
| 58 | 78.4 | 49.5 | 74.3# |



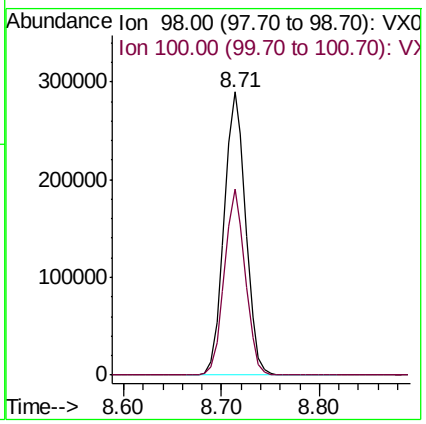


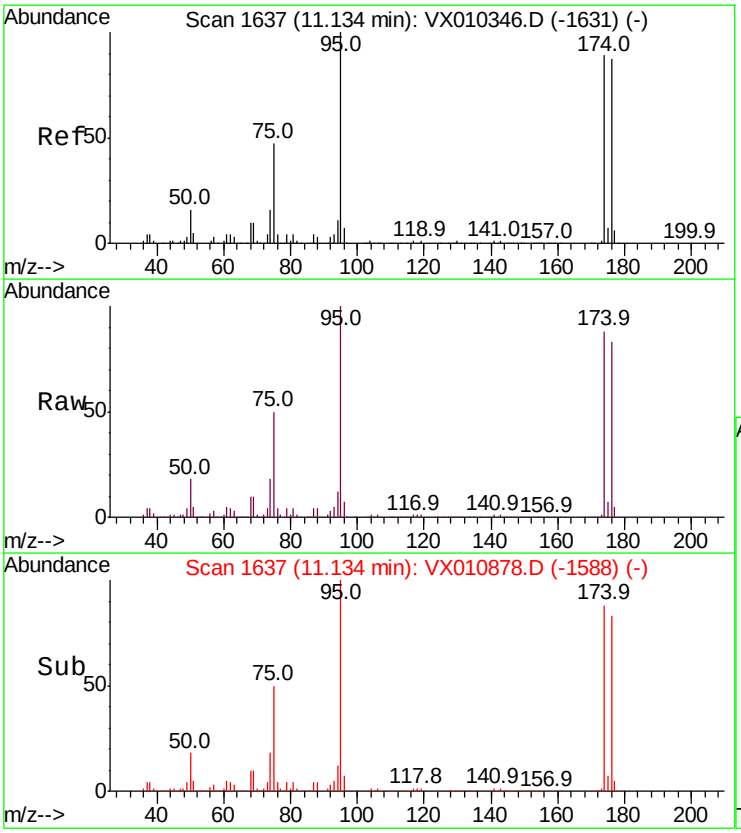

#50
Toluene-d8
Concen: 51.208 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion: 98 Resp: 441671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.6 | 77.4 |

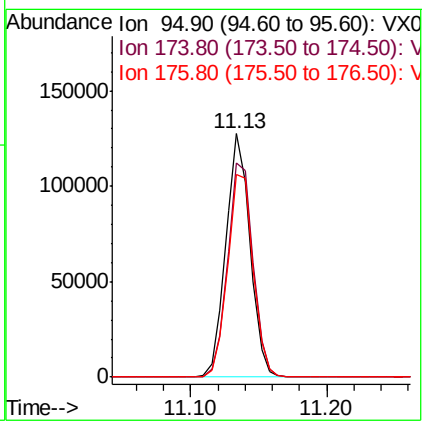


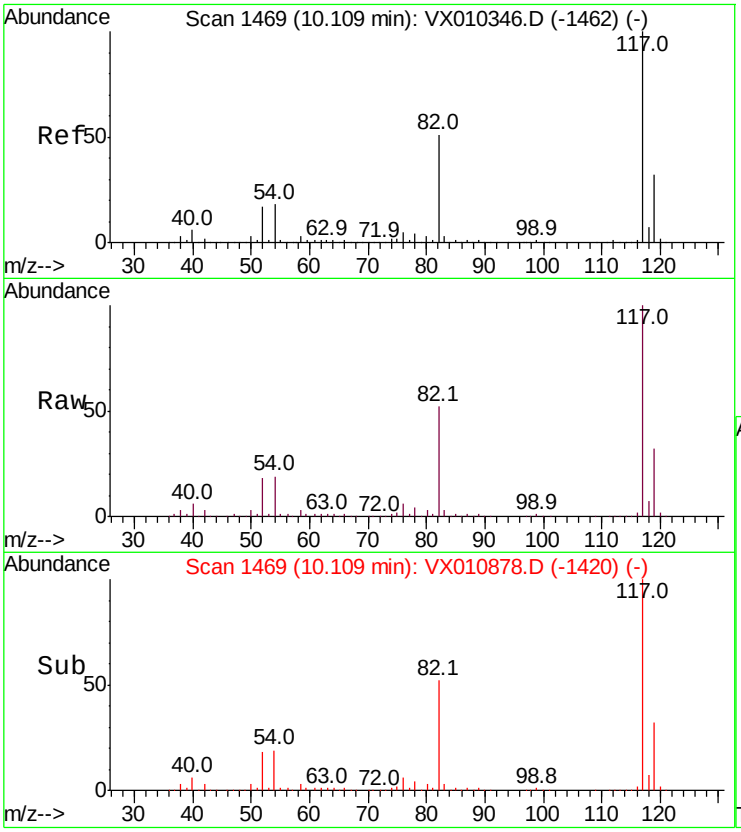




#62
4-Bromofluorobenzene
Concen: 50.556 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion: 95 Resp: 157426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.6 | 0.0 | 187.6 |
| 176 | 88.1 | 0.0 | 184.0 |



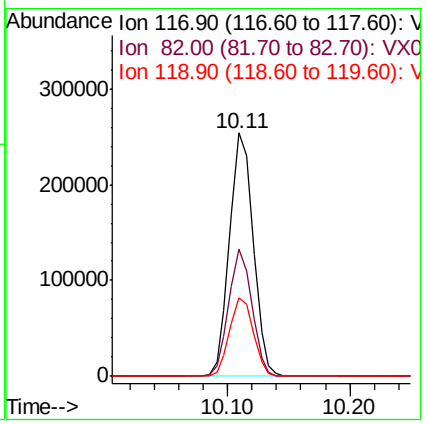


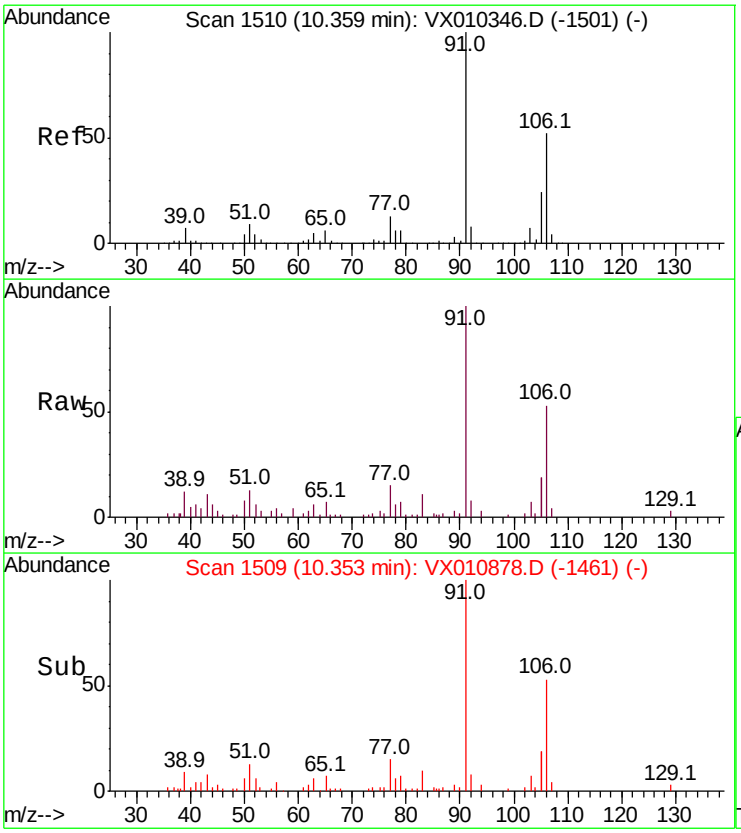

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :** MSVOA_X
**ClientSampleId :** 390711760.3-VOA

Tgt Ion:117 Resp: 340070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.5 | 41.2 | 61.8 |
| 119 | 32.2 | 25.5 | 38.3 |

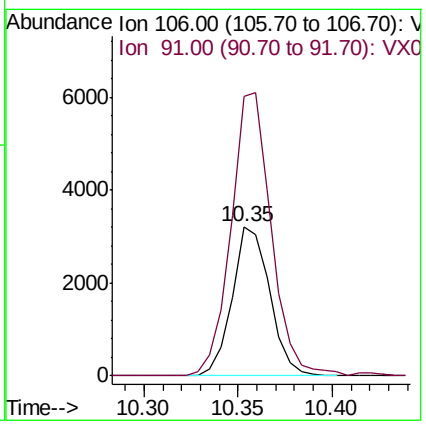


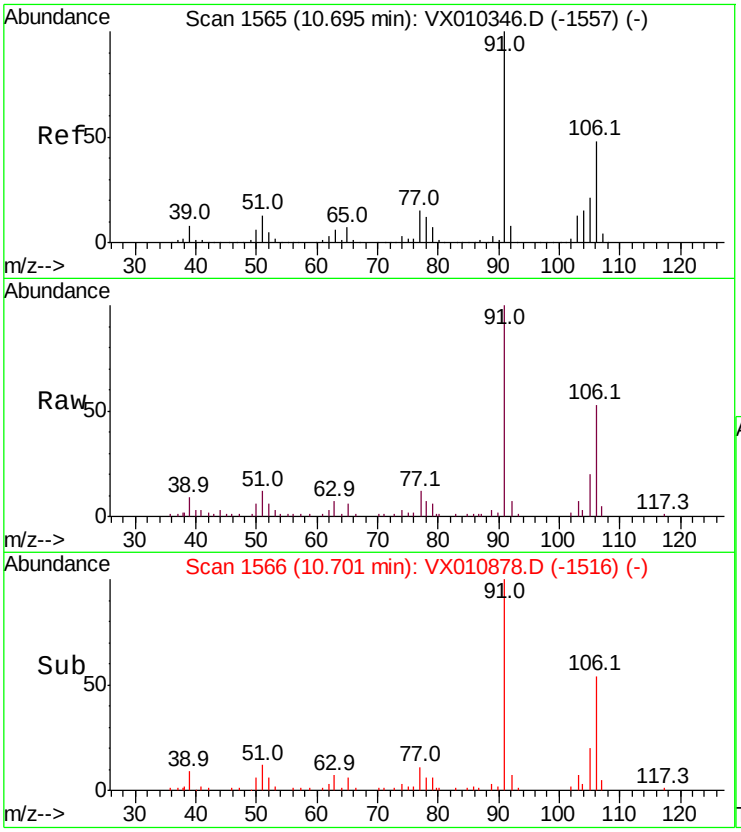




#68
m/p-Xylenes
Concen: 0.980 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:106 Resp: 4425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.7 | 155.3 | 232.9 |



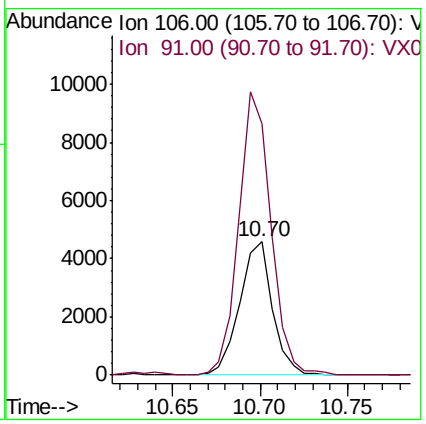


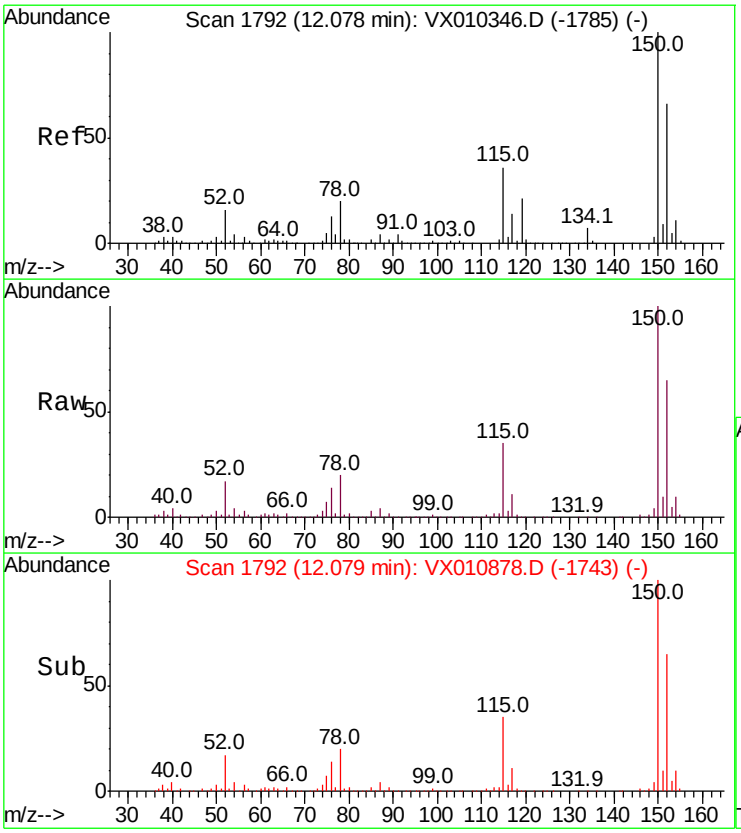

#69
o-Xylene
Concen: 1.350 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion:106 Resp: 5995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 102.7 | 308.1 |

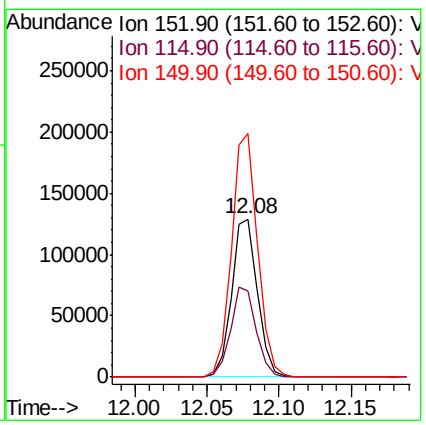


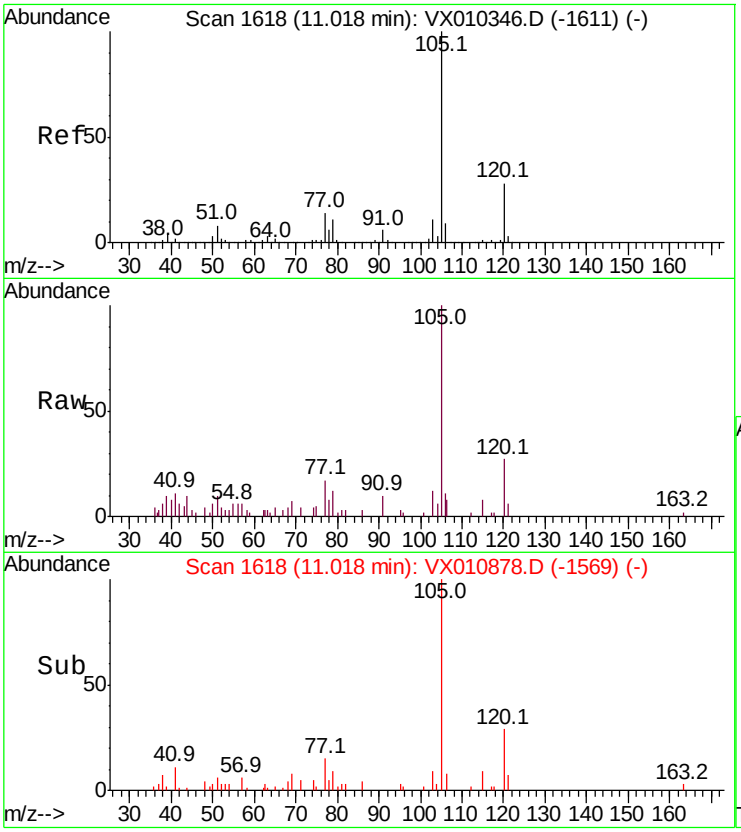




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:152 Resp: 161489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.2 | 38.6 | 115.7 |
| 150 | 155.7 | 0.0 | 347.4 |



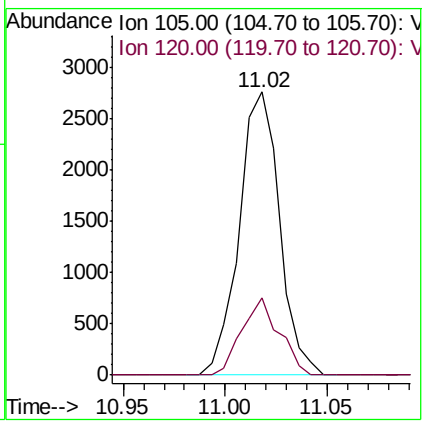


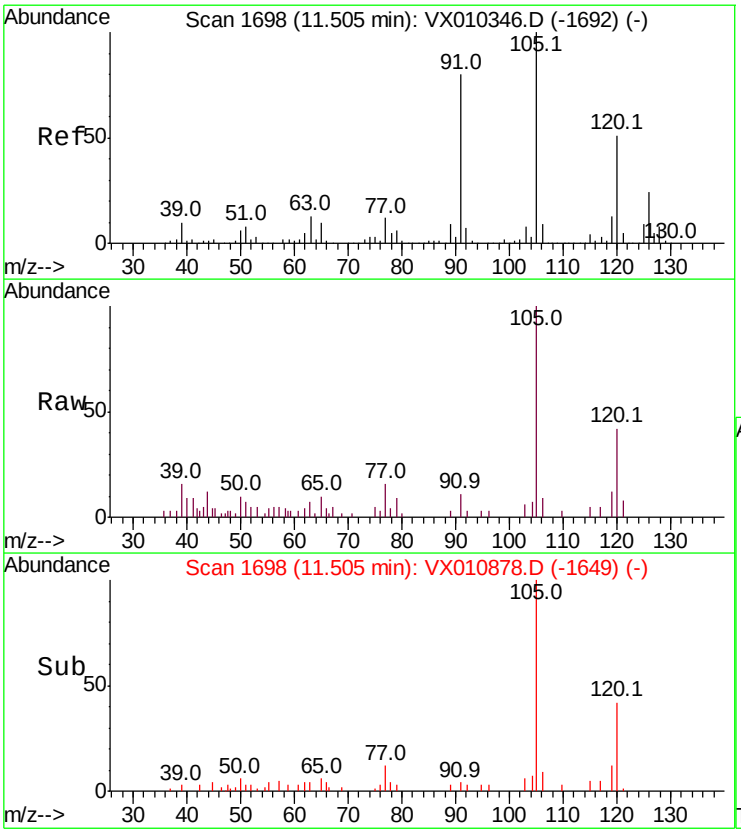

#73
Isopropylbenzene
Concen: 0.347 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion:105 Resp: 3802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 14.1 | 42.4 |

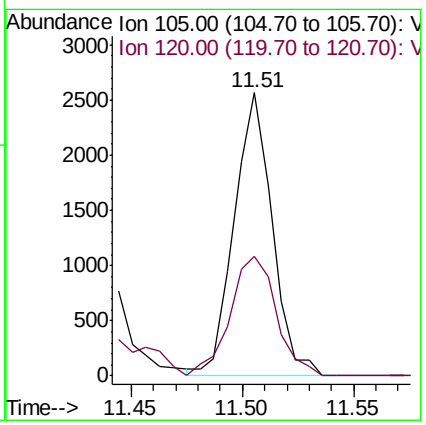


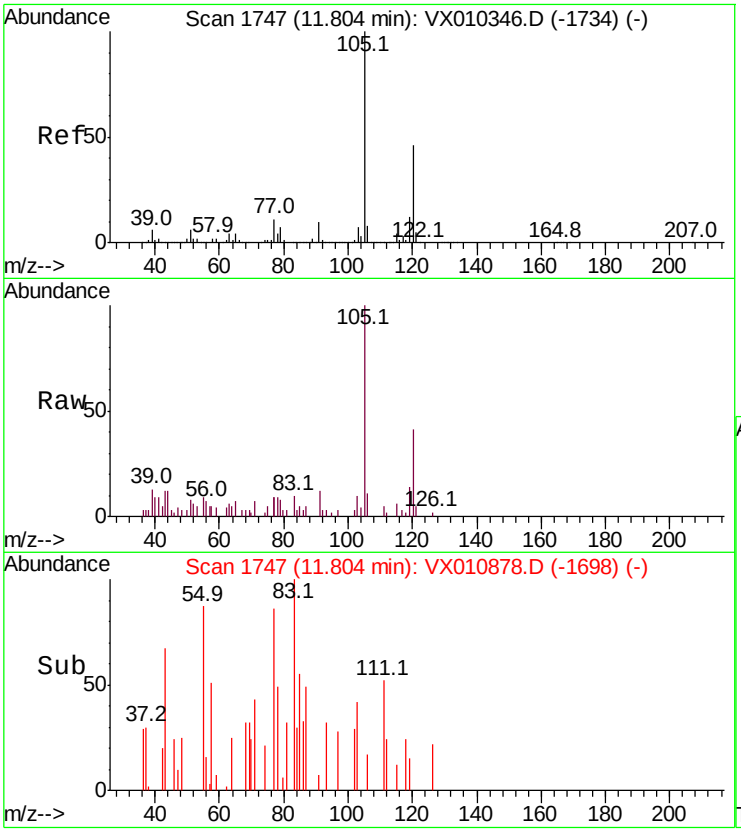




#80
1,3,5-Trimethylbenzene
Concen: 0.338 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:105 Resp: 3054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.5 | 25.2 | 75.6 |



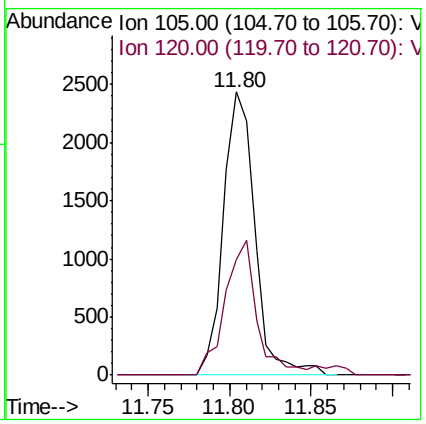


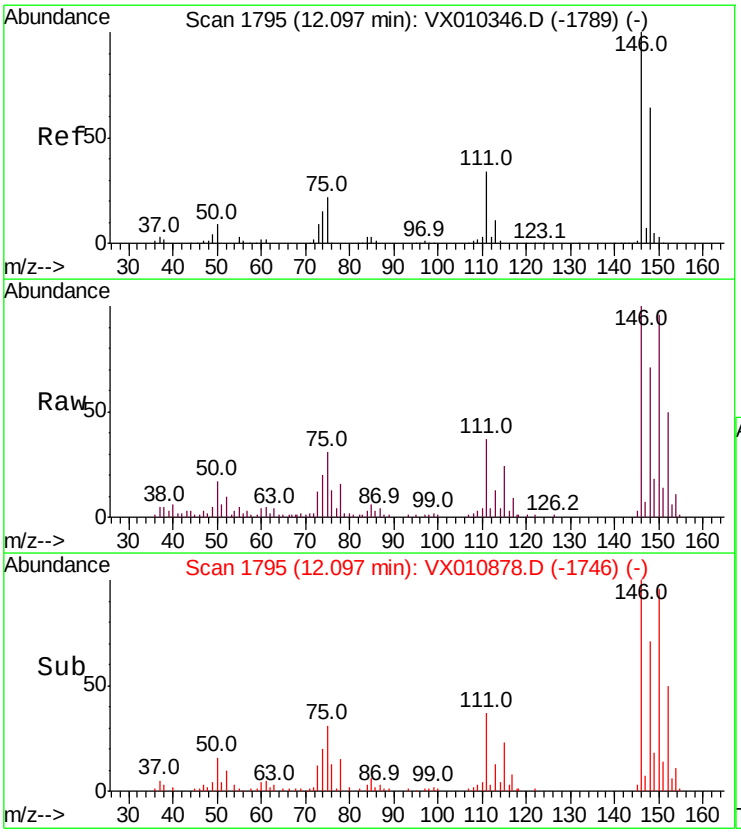

#84
1,2,4-Trimethylbenzene
Concen: 0.360 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
390711760.3-VOA

Tgt Ion:105 Resp: 3268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 23.1 | 69.2 |




#88
1,4-Dichlorobenzene
Concen: 2.185 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:146 Resp: 11871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 55.4 | 18.1 | 54.3# |
| 148 | 72.7 | 32.1 | 96.3 |