Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
Data File : VX009987.D
Acq On : 31 May 2019 16:00
Operator : JC/SP
Sample : K3131-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** LF014MW028-190530

Quant Time: Jun 01 05:21:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 183325 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 295653 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 271447 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 123449 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 123571 | 47.72 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 95.44% | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 91365 | 49.15 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 98.30% | | |
| 50) Toluene-d8 | 8.71 | 98 | 376226 | 49.84 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 99.68% | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 132151 | 48.74 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 97.48% | | |
| **Target Compounds** | | | | | | Qvalue |
| 4) Vinyl Chloride | 1.41 | 62 | 4724 | 1.740 | ug/l # | 81 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 1265 | 0.530 | ug/l | 73 |
| 40) Benzene | 6.14 | 78 | 2513 | 0.282 | ug/l # | 75 |
| 52) Toluene | 8.79 | 92 | 2292 | 0.424 | ug/l | 93 |
| 65) Chlorobenzene | 10.14 | 112 | 1572922 | 276.788 | ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 6112 | 1.500 | ug/l | 98 |

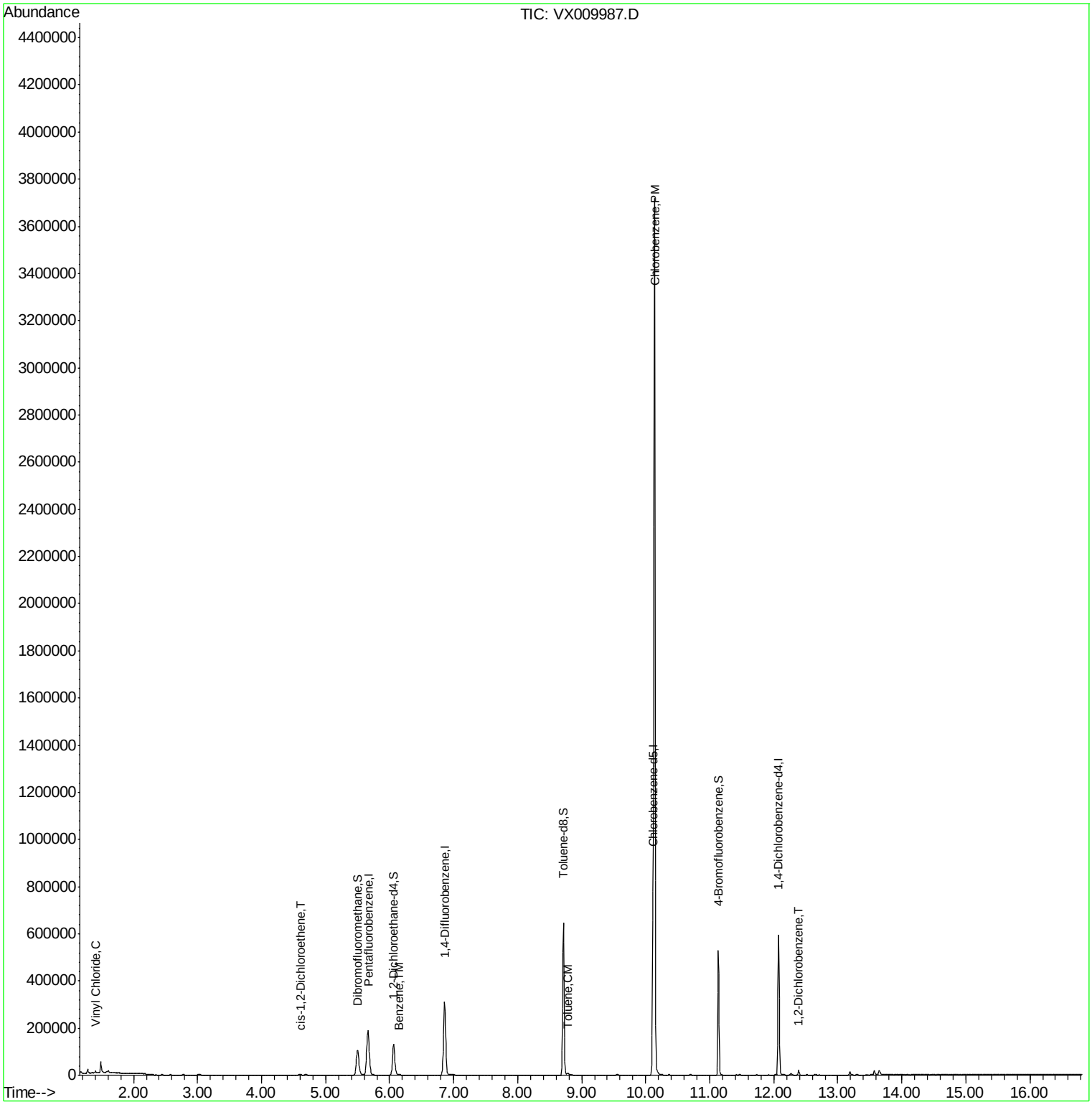
(#) = qualifier out of range (m) = manual integration (+) = signals summed

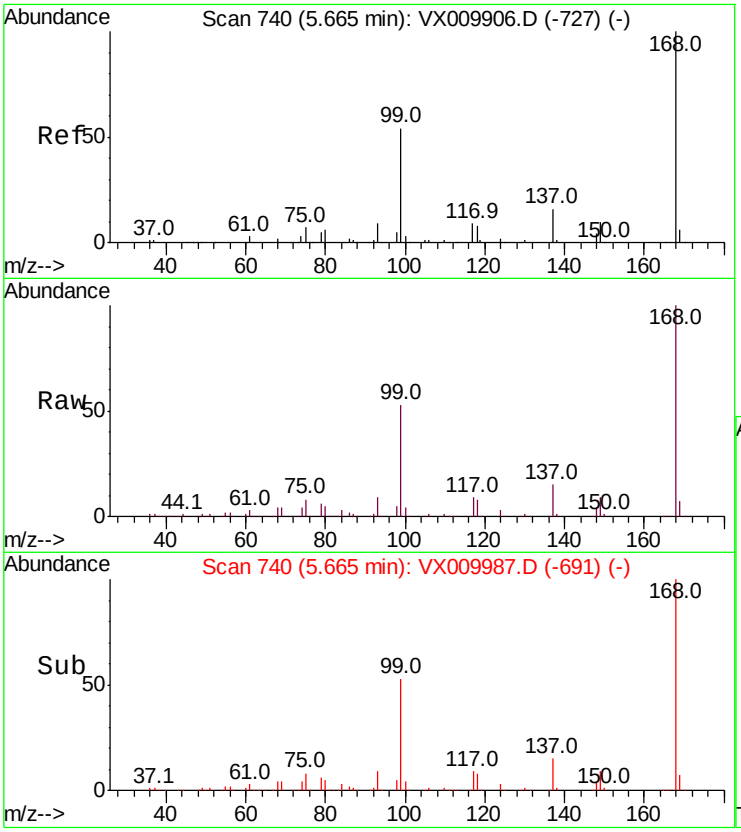
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
Data File : VX009987.D
Acq On : 31 May 2019 16:00
Operator : JC/SP
Sample : K3131-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Quant Time: Jun 01 05:21:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration



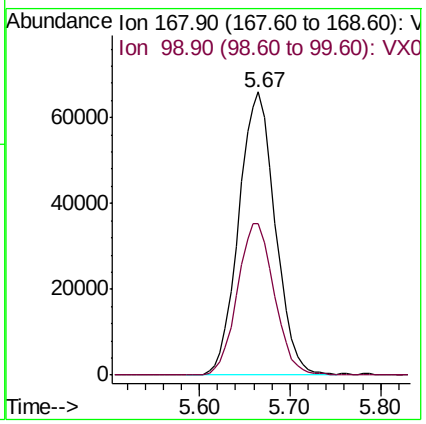


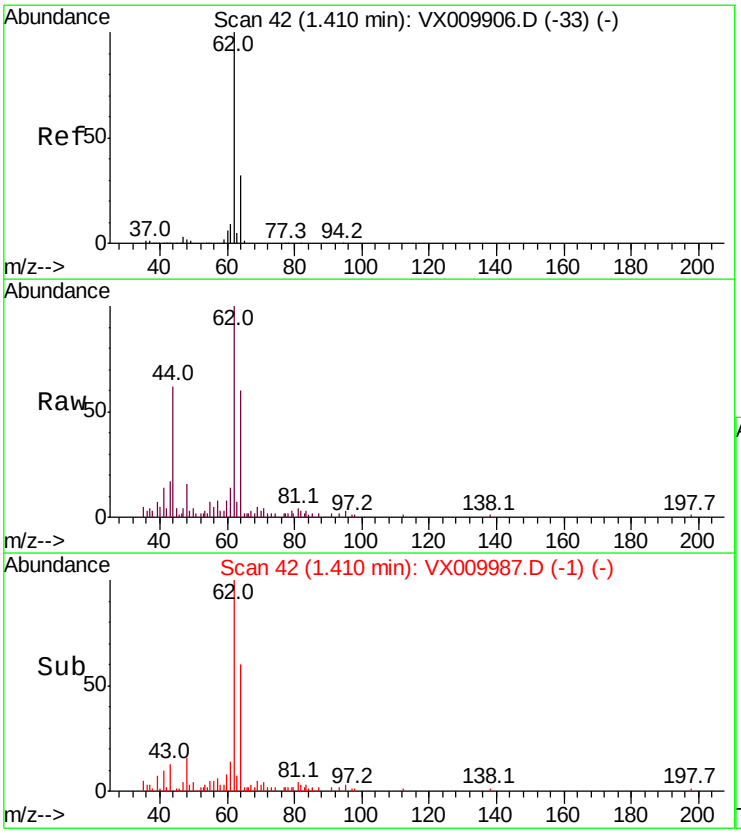

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion:168 Resp: 183325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.3 | 43.0 | 64.6 |

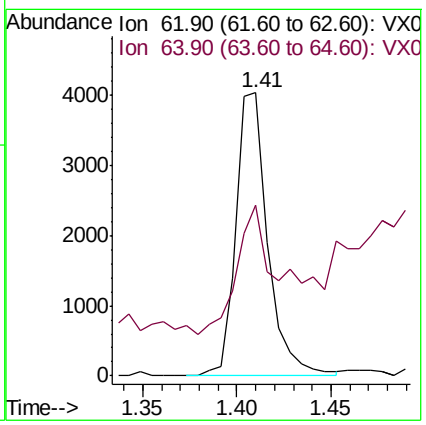


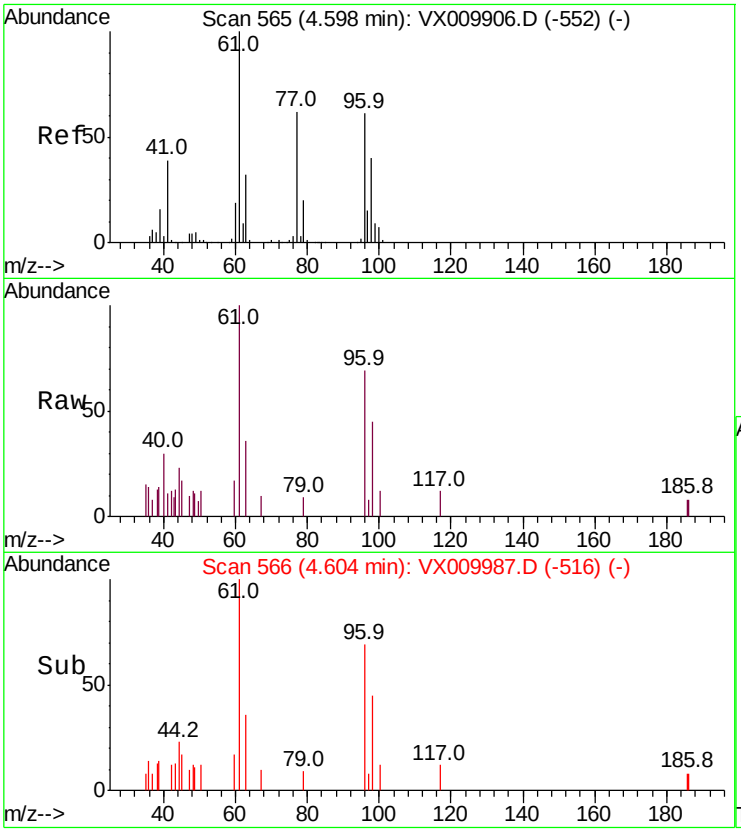




#4
Vinyl Chloride
Concen: 1.740 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion: 62 Resp: 4724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 42.5 | 25.7 | 38.5# |



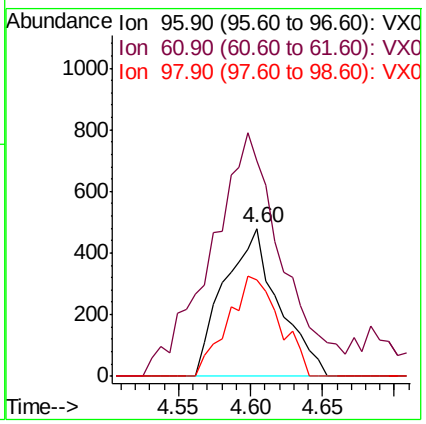


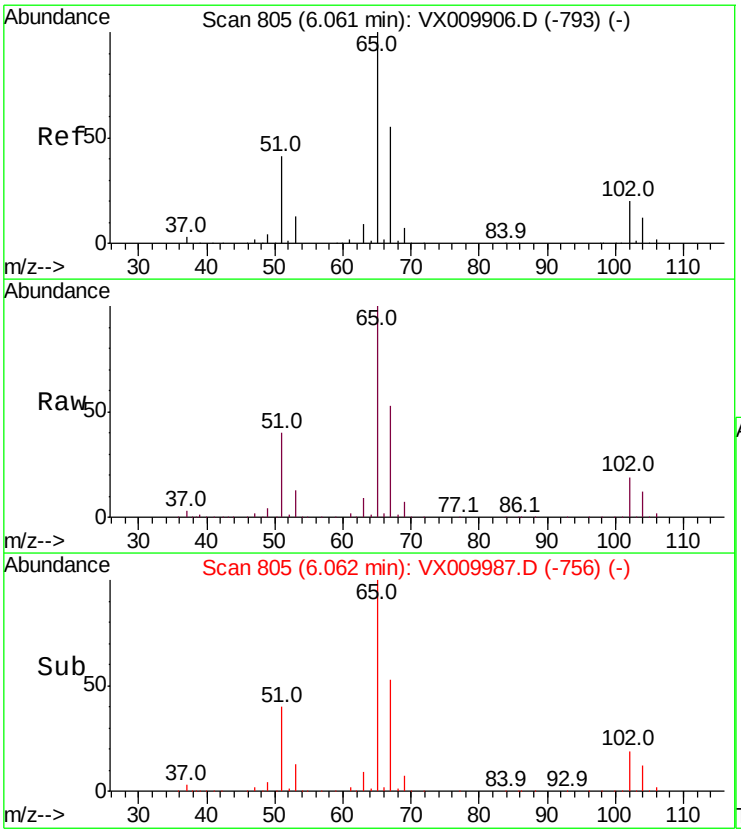

#27
cis-1,2-Dichloroethene
Concen: 0.530 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion: 96 Resp: 1265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 216.8 | 0.0 | 334.0 |
| 98 | 64.2 | 0.0 | 131.6 |

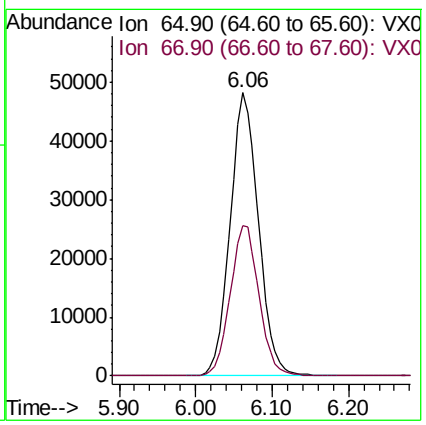


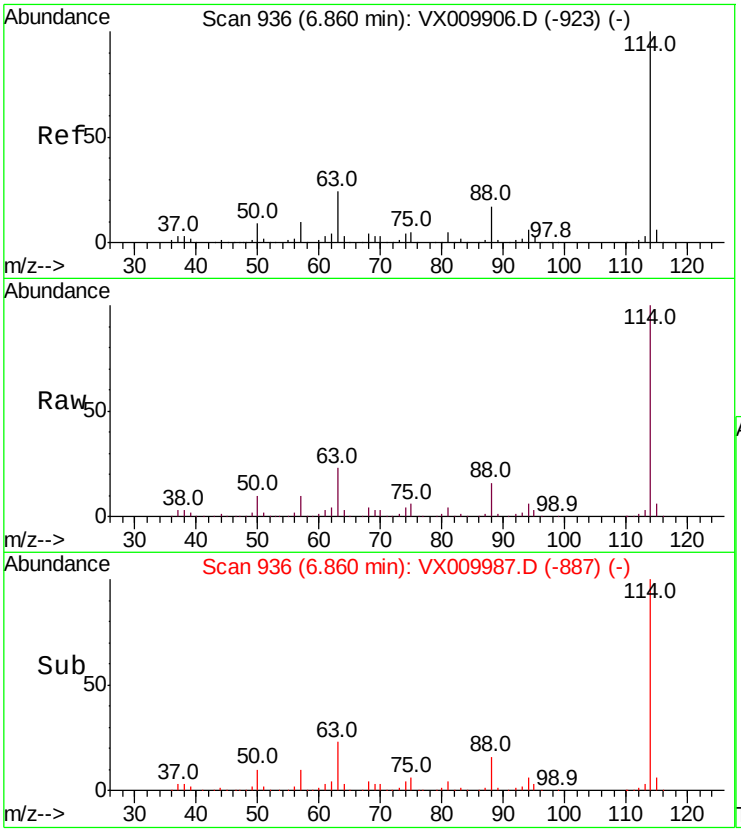




#33
1,2-Dichloroethane-d4
Concen: 47.718 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion: 65 Resp: 123571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 108.4 |



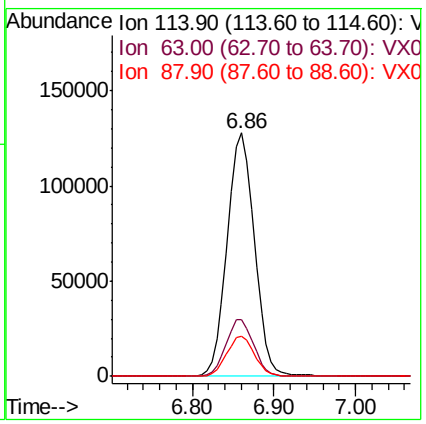


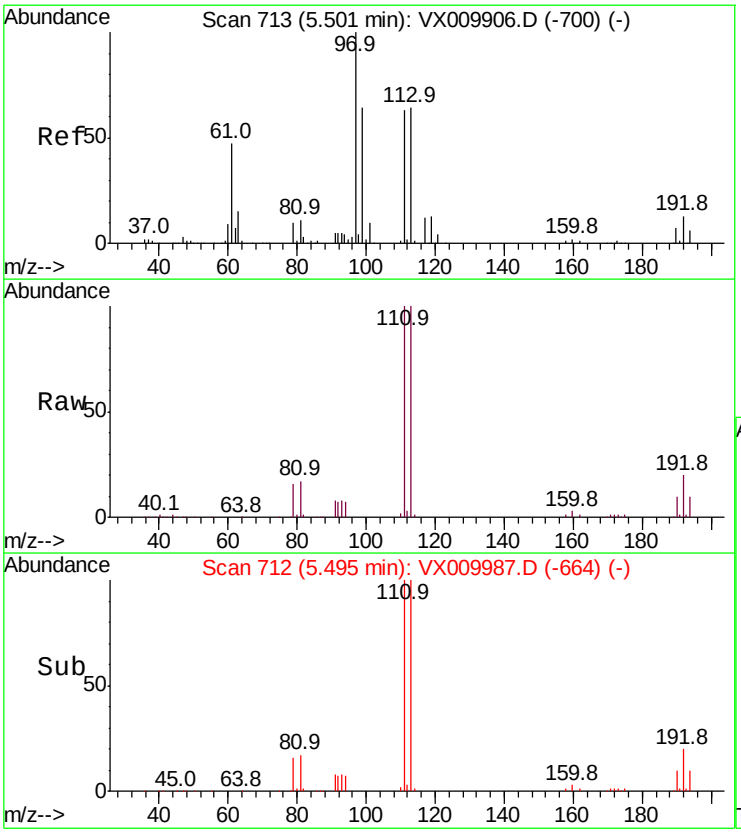

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion:114 Resp: 295653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.5 | 0.0 | 47.4 |
| 88 | 16.2 | 0.0 | 33.0 |

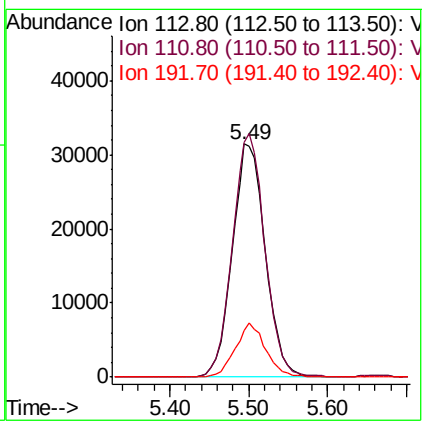


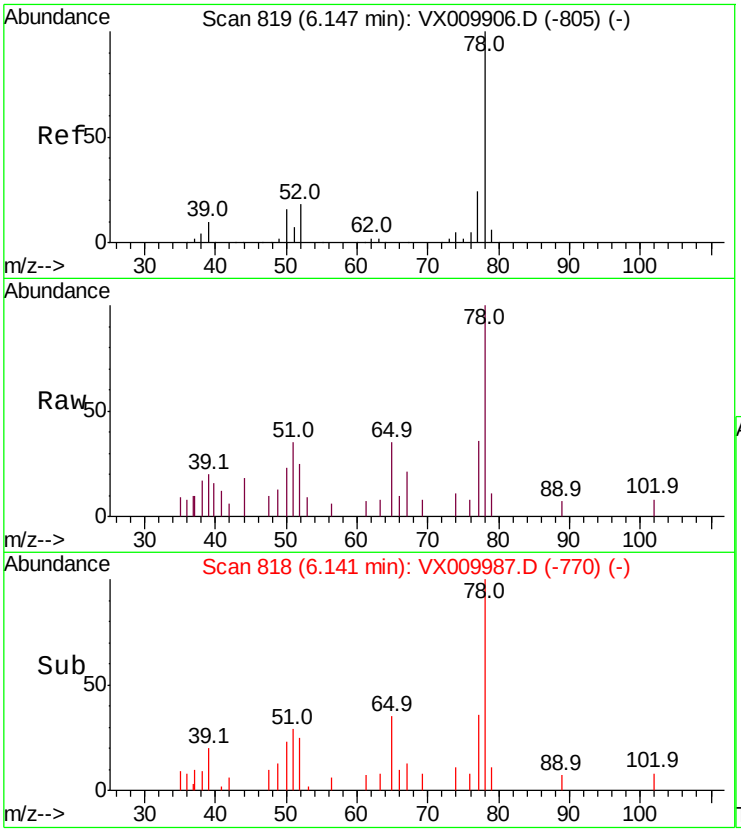




#35
Dibromofluoromethane
Concen: 49.153 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion:113 Resp: 91365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.2 | 123.2 |
| 192 | 21.3 | 17.1 | 25.7 |



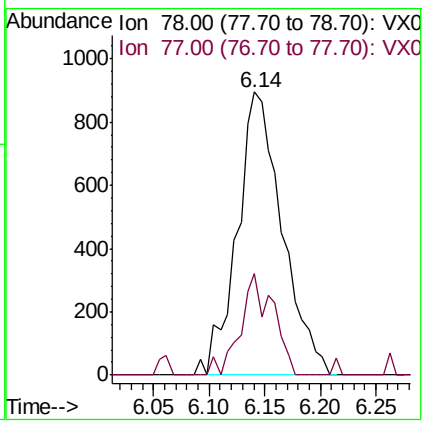


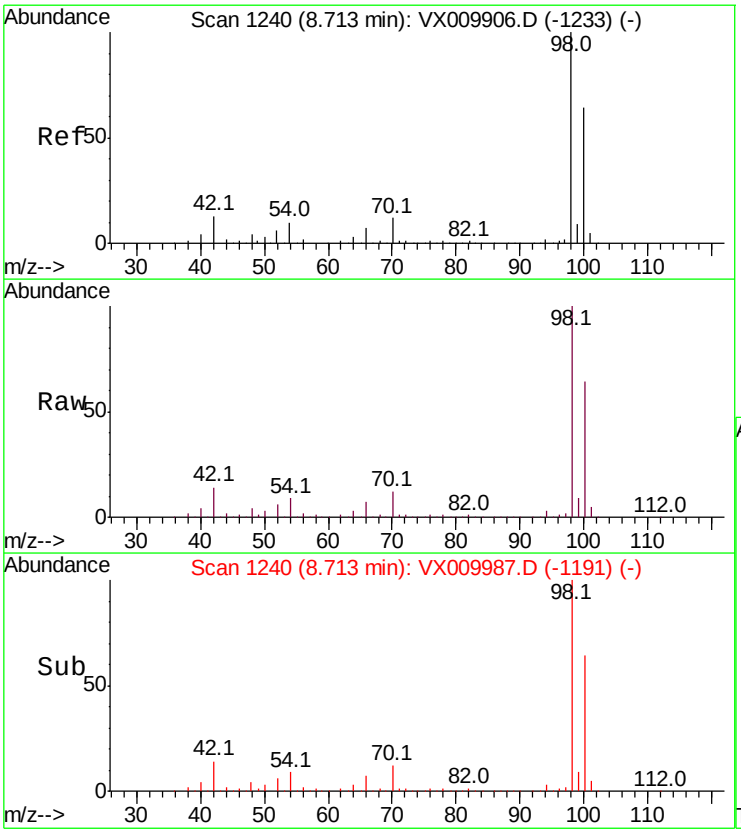

#40
Benzene
Concen: 0.282 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion: 78 Resp: 2513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 36.1 | 19.2 | 28.8# |

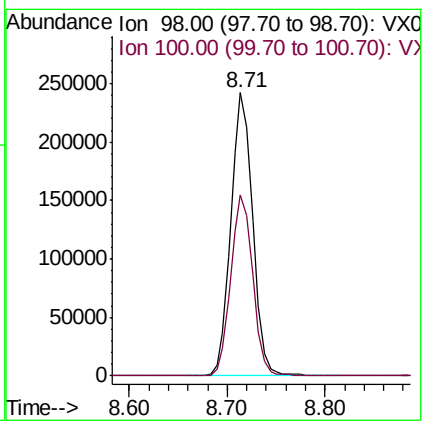


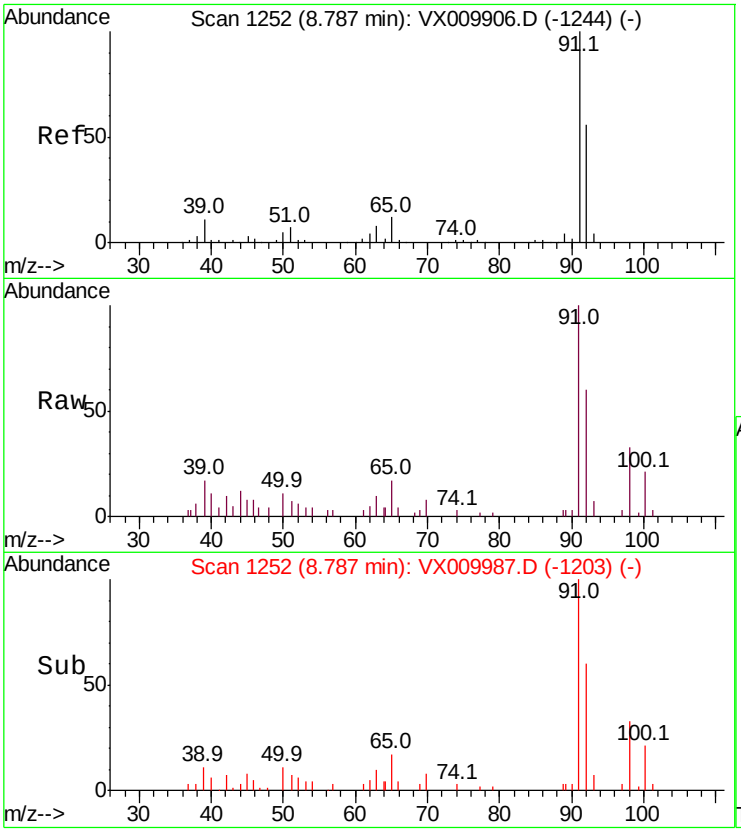




#50
Toluene-d8
Concen: 49.844 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion: 98 Resp: 376226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 51.5 | 77.3 |



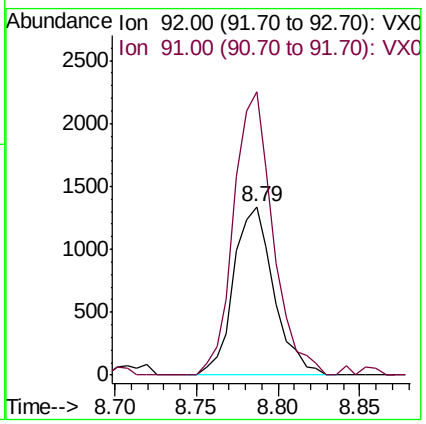


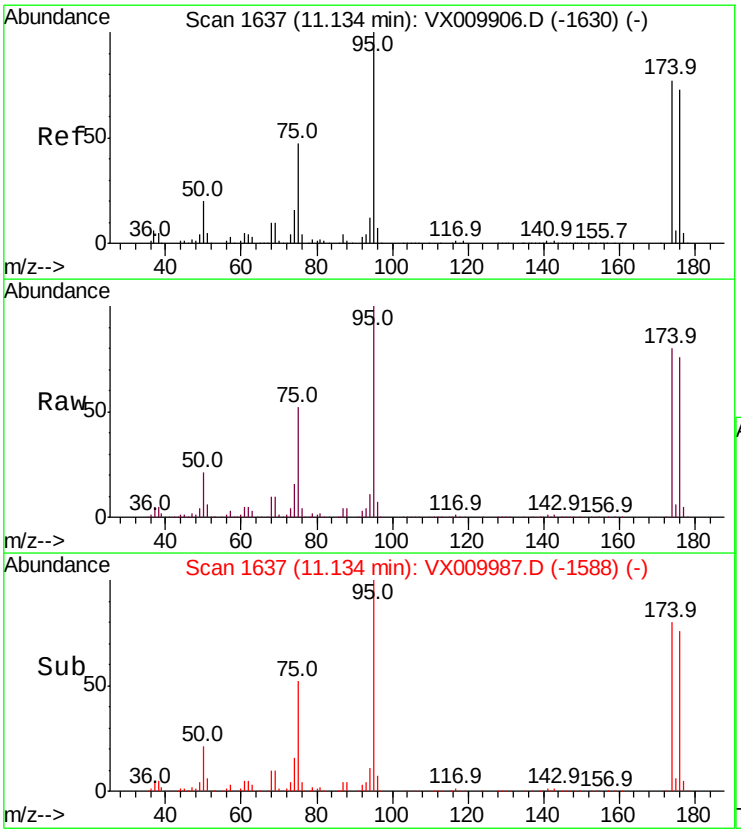

#52
Toluene
Concen: 0.424 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion: 92 Resp: 2292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 164.7 | 139.9 | 209.9 |

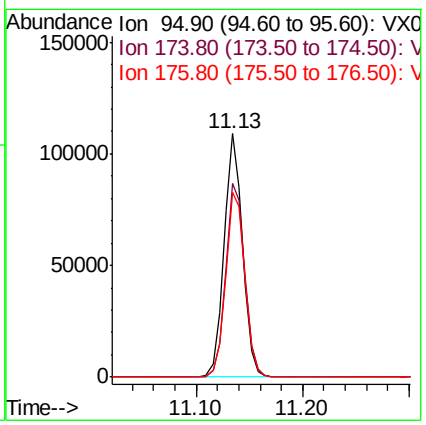


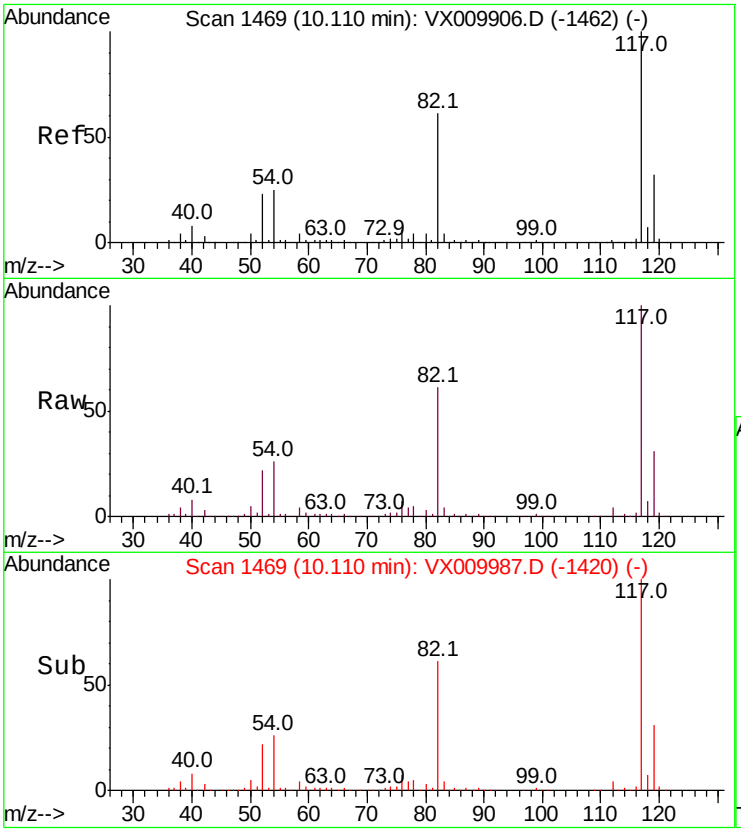




#62
4-Bromofluorobenzene
Concen: 48.744 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion: 95 Resp: 132151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 160.4 |
| 176 | 79.2 | 0.0 | 154.6 |



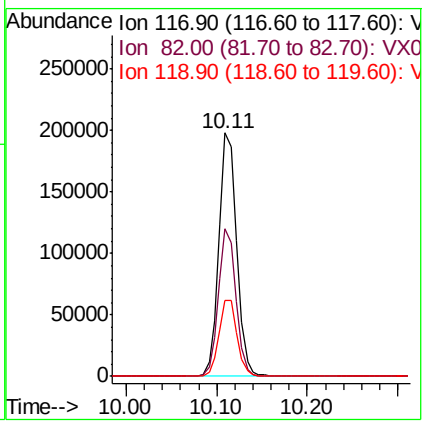


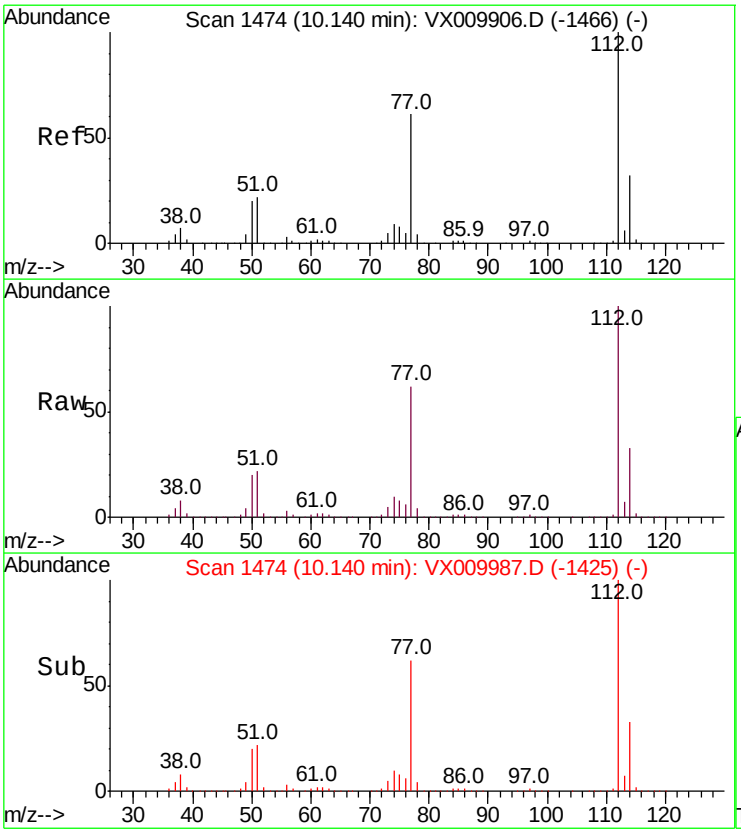

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion:117 Resp: 271447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.7 | 49.2 | 73.8 |
| 119 | 31.1 | 25.2 | 37.8 |

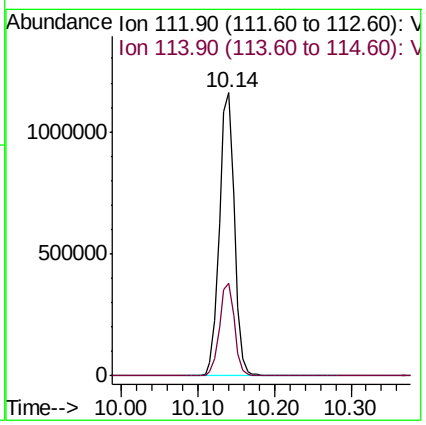


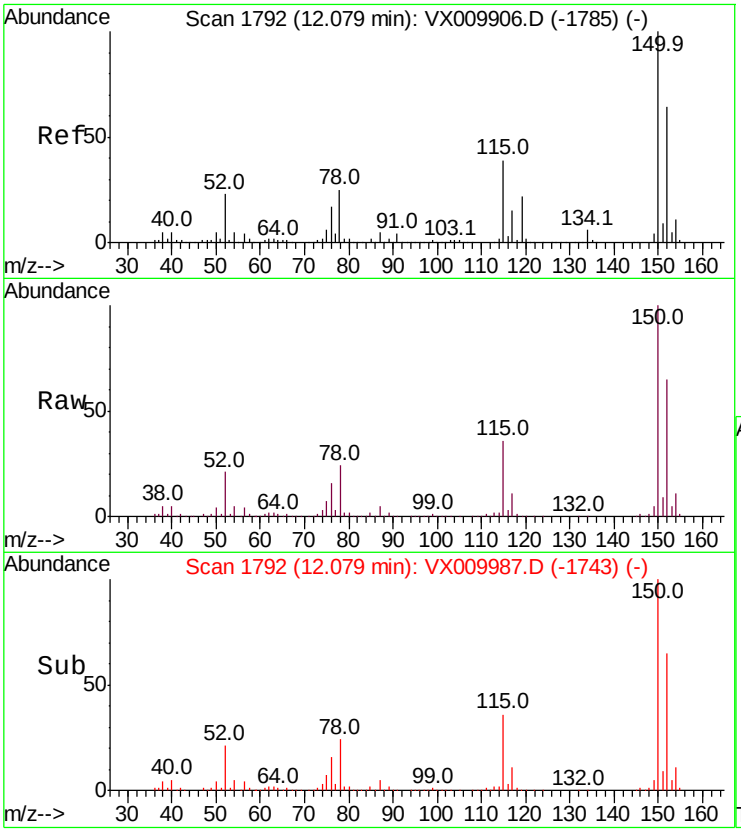




#65
Chlorobenzene
Concen: 276.788 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion:112 Resp: 1572922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.8 | 25.8 | 38.8 |



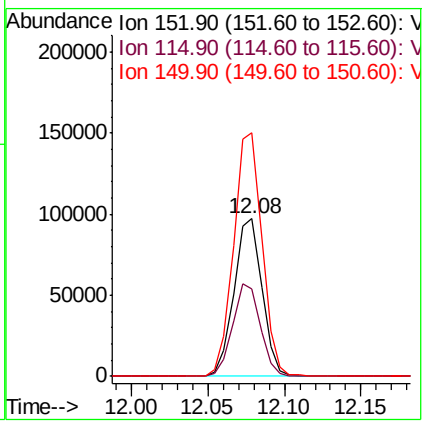


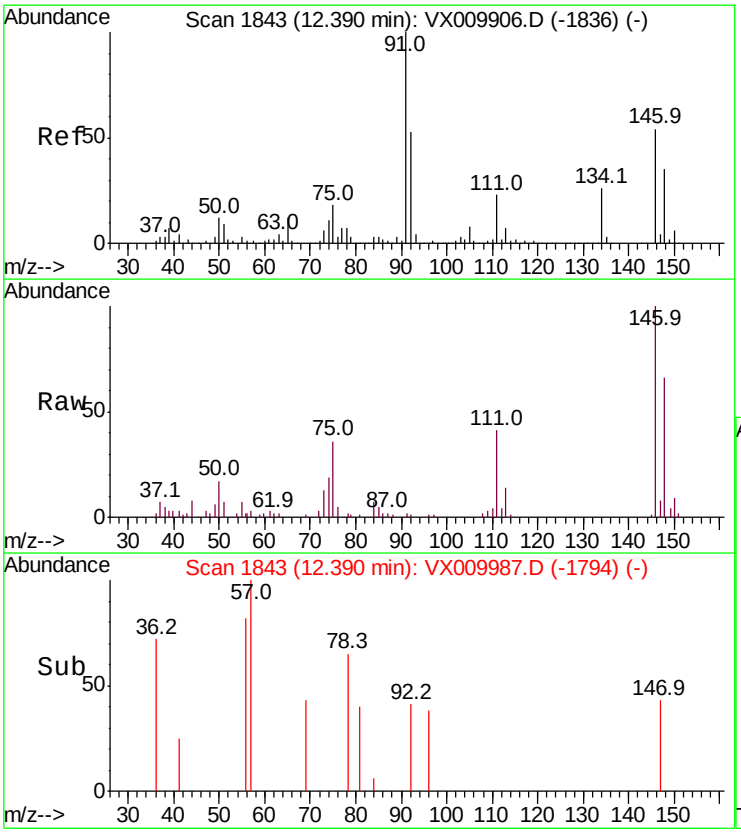

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
LF014MW028-190530

Tgt Ion:152 Resp: 123449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 41.4 | 124.2 |
| 150 | 156.2 | 0.0 | 345.2 |




#91
1,2-Dichlorobenzene
Concen: 1.500 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009987.D
Acq: 31 May 2019 16:00

Tgt Ion:146 Resp: 6112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.1 | 21.1 | 63.1 |
| 148 | 66.2 | 32.3 | 96.8 |