Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
Data File : VX009981.D
Acq On : 31 May 2019 13:11
Operator : JC/SP
Sample : K2964-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Quant Time: May 31 14:06:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 178310 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 285242 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 247923 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 101378 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 114626 | 45.51 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.02% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 84568 | 47.16 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.32% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 358828 | 49.27 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.54% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 113578 | 43.42 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 2.45 | 43 | 559122 | 384.199 | ug/l | 97 |
| 18) Methyl Acetate | 2.78 | 43 | 226284 | 66.824 | ug/l | 97 |
| 25) 2-Butanone | 4.68 | 43 | 60516 | 26.690 | ug/l | 92 |
| 40) Benzene | 6.14 | 78 | 31148 | 3.628 | ug/l | 98 |
| 52) Toluene | 8.79 | 92 | 18868 | 3.620 | ug/l | 97 |
| 67) Ethyl Benzene | 10.25 | 91 | 41950 | 4.501 | ug/l | 97 |
| 68) m/p-Xylenes | 10.35 | 106 | 81322 | 23.620 | ug/l | 100 |
| 69) o-Xylene | 10.69 | 106 | 37586 | 11.383 | ug/l | 100 |
| 78) n-propylbenzene | 11.36 | 91 | 7509 | 0.871 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 10522 | 1.670 | ug/l | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 29580 | 4.622 | ug/l | 97 |
| 95) Naphthalene | 13.83 | 128 | 33876 | 4.553 | ug/l | 96 |

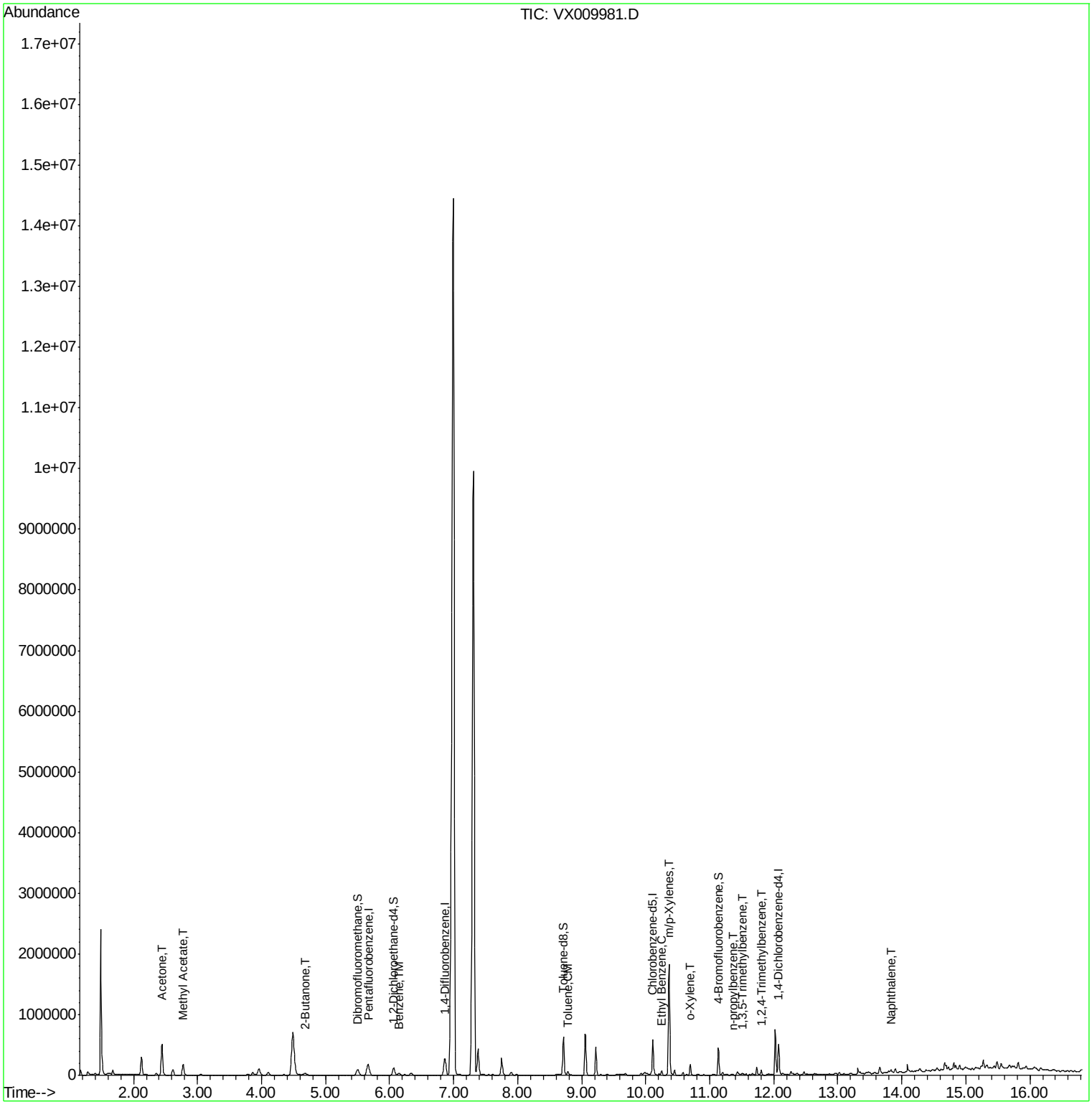
(#) = qualifier out of range (m) = manual integration (+) = signals summed

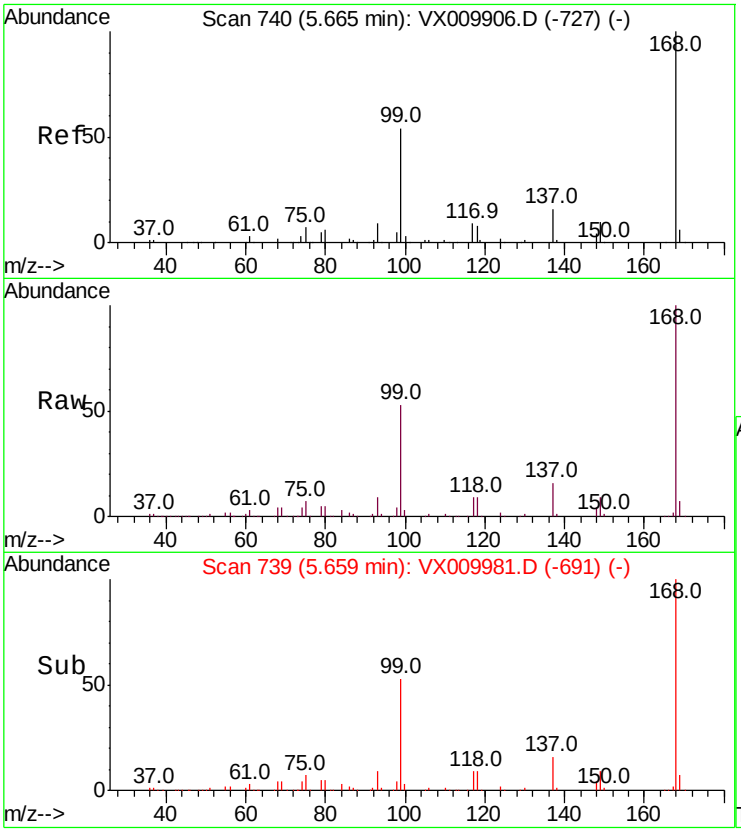
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX053119\
Data File : VX009981.D
Acq On : 31 May 2019 13:11
Operator : JC/SP
Sample : K2964-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Quant Time: May 31 14:06:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 2019
Response via : Initial Calibration



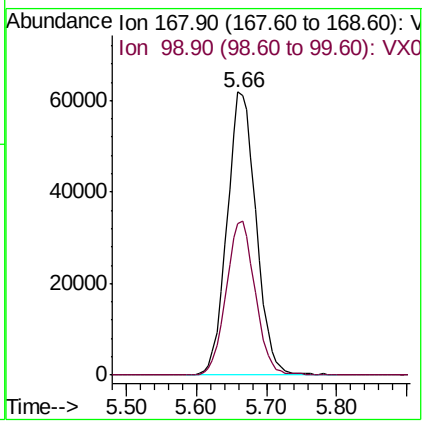


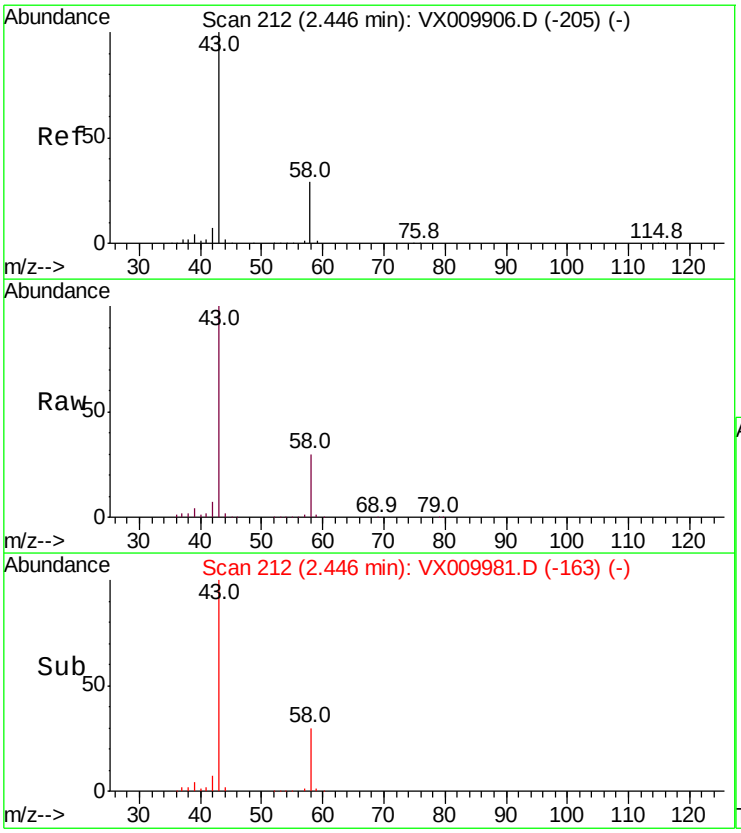

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
51030

Tgt Ion:168 Resp: 178310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.3 | 42.3 | 63.5 |

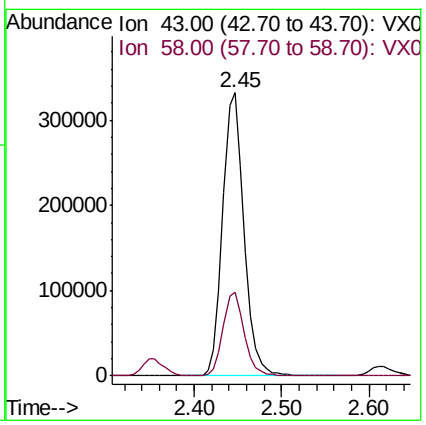


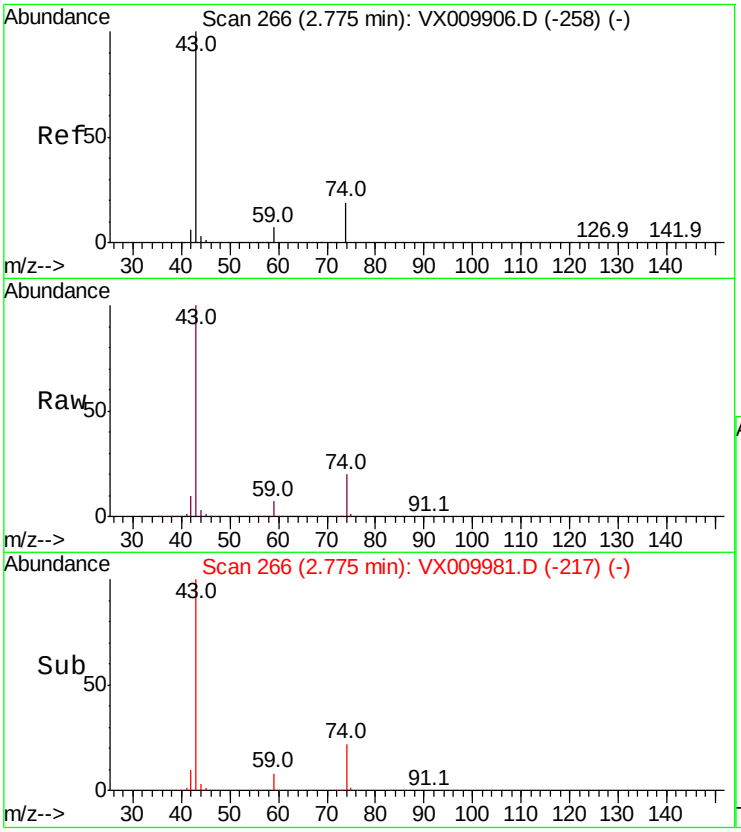




#16
Acetone
Concen: 384.199 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 559122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 24.9 | 37.3 |



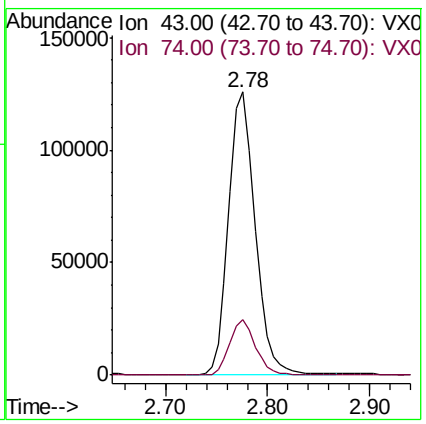


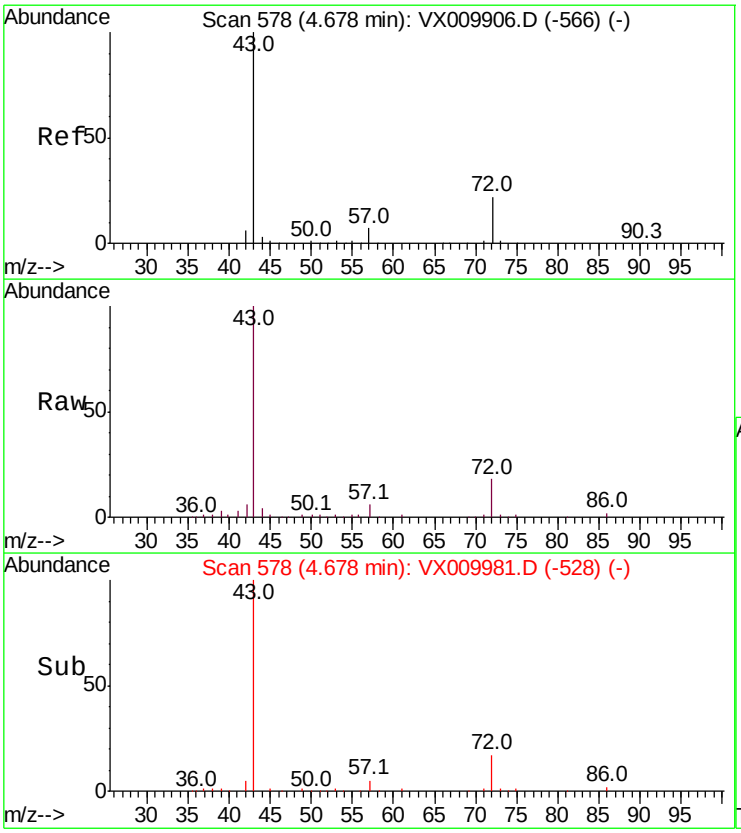

#18
Methyl Acetate
Concen: 66.824 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Tgt Ion: 43 Resp: 226284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 19.1 | 16.2 | 24.4 |

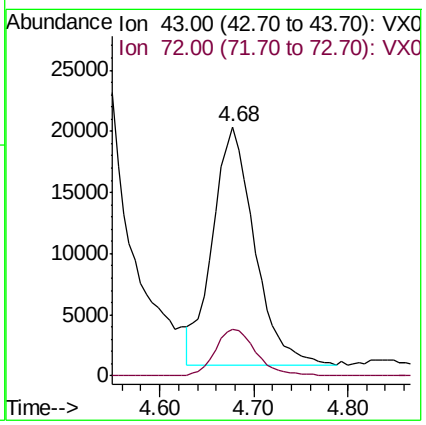


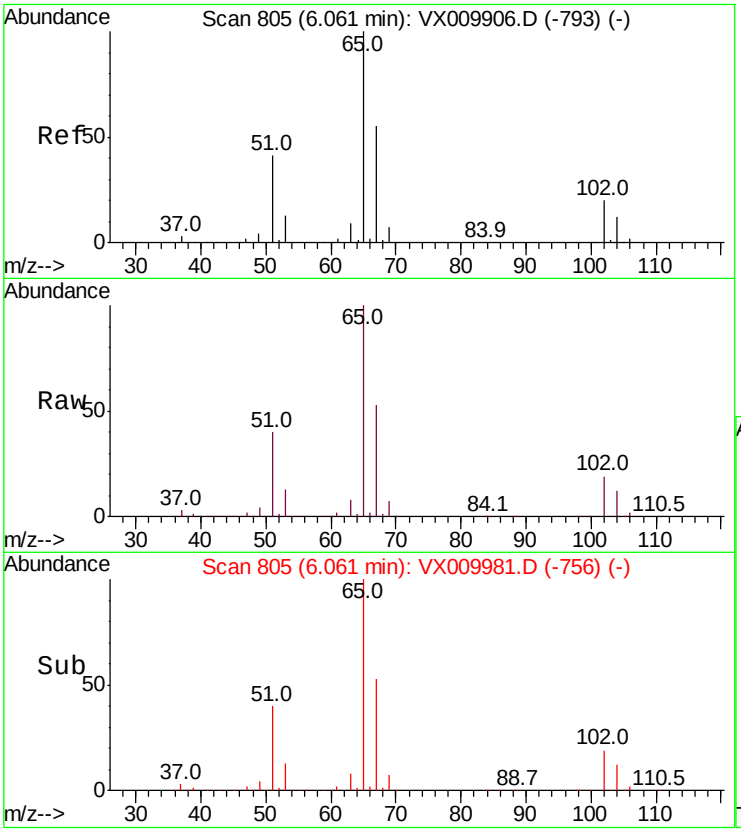




#25
2-Butanone
Concen: 26.690 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 60516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.0 | 18.2 | 27.2 |



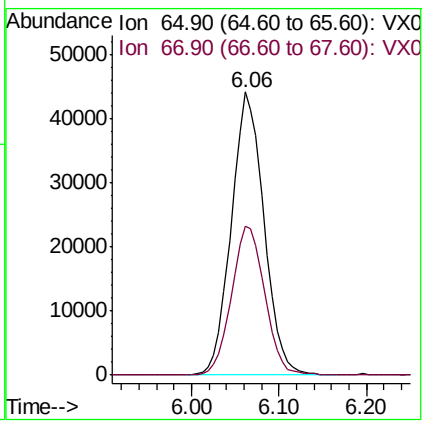


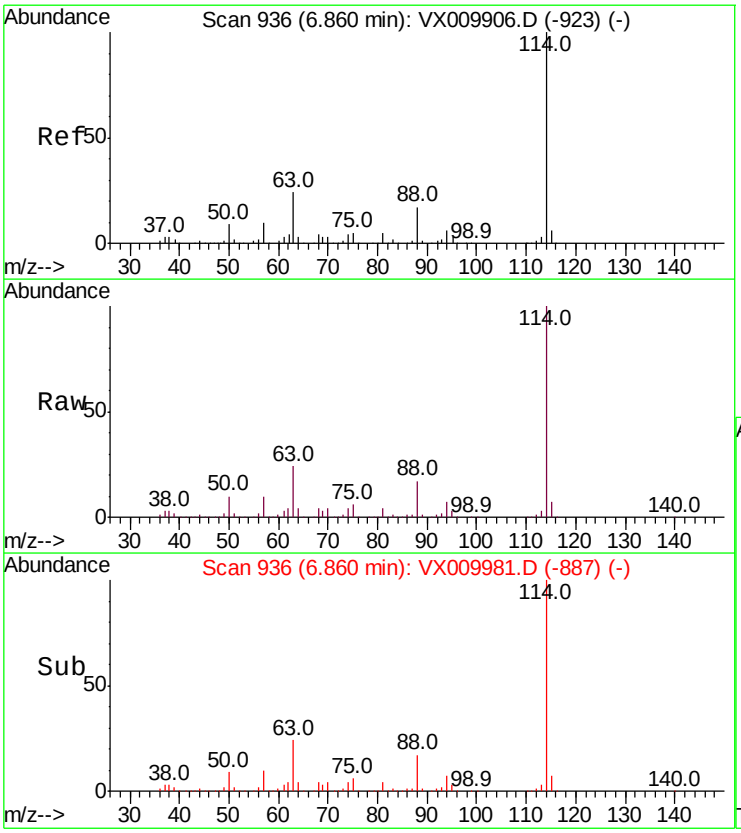

#33
1,2-Dichloroethane-d4
Concen: 45.508 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Tgt Ion: 65 Resp: 114626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 106.6 |

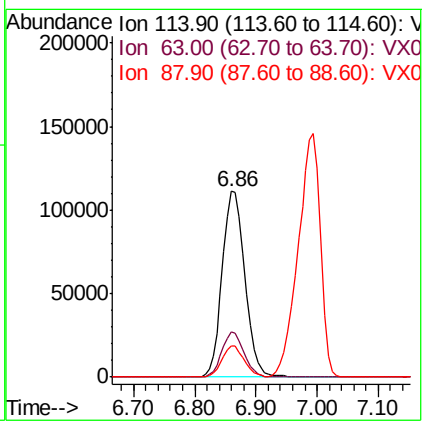


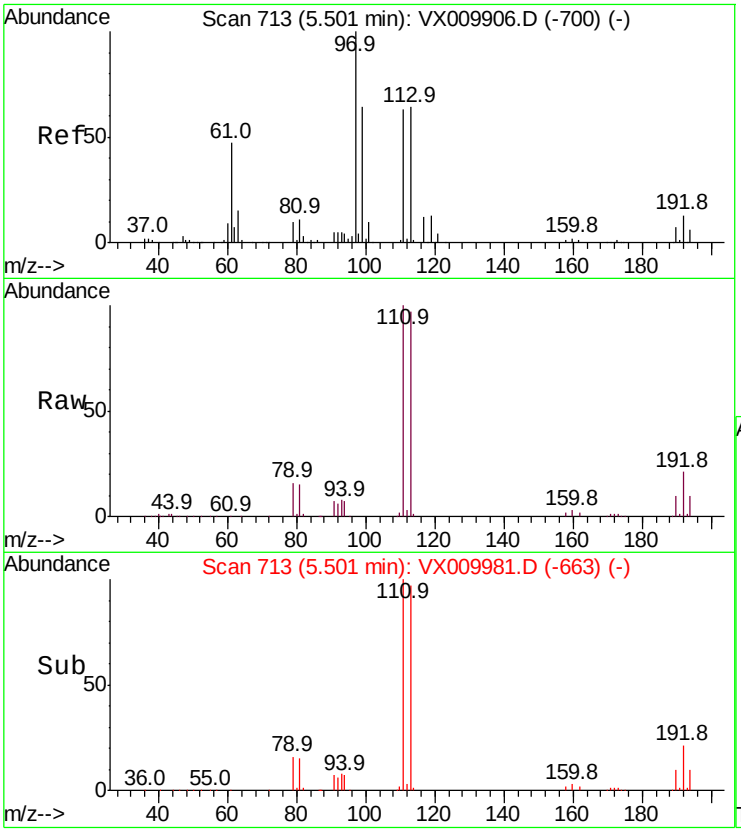




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:114 Resp: 285242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.2 | 0.0 | 45.6 |
| 88 | 16.6 | 0.0 | 33.2 |



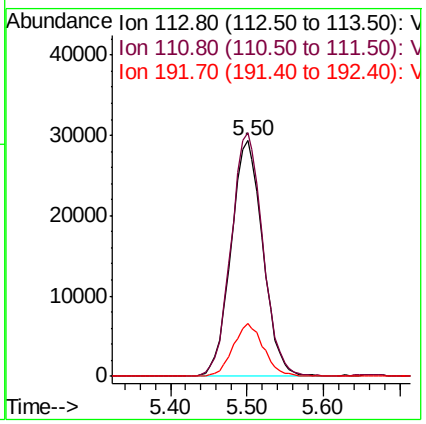


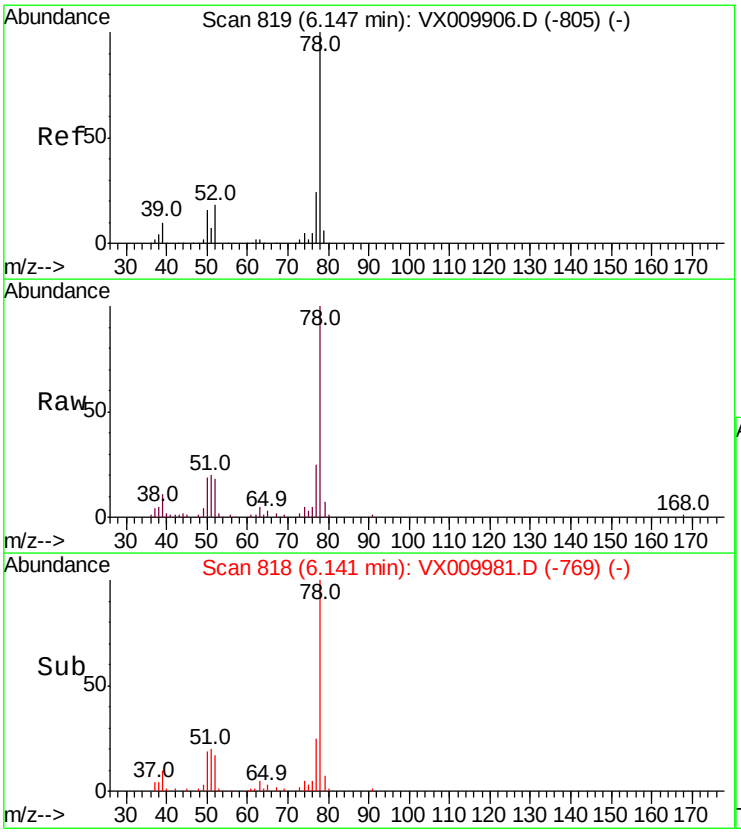

#35
Dibromofluoromethane
Concen: 47.157 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
51030

Tgt Ion:113 Resp: 84568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 82.8 | 124.2 |
| 192 | 21.3 | 17.0 | 25.6 |

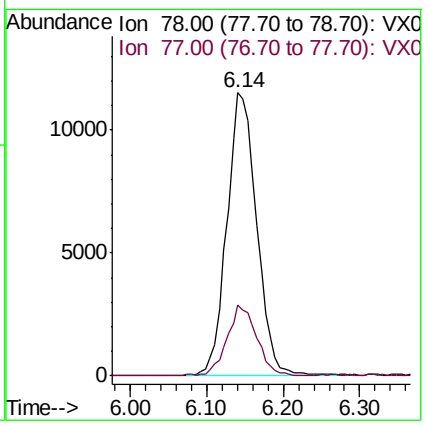


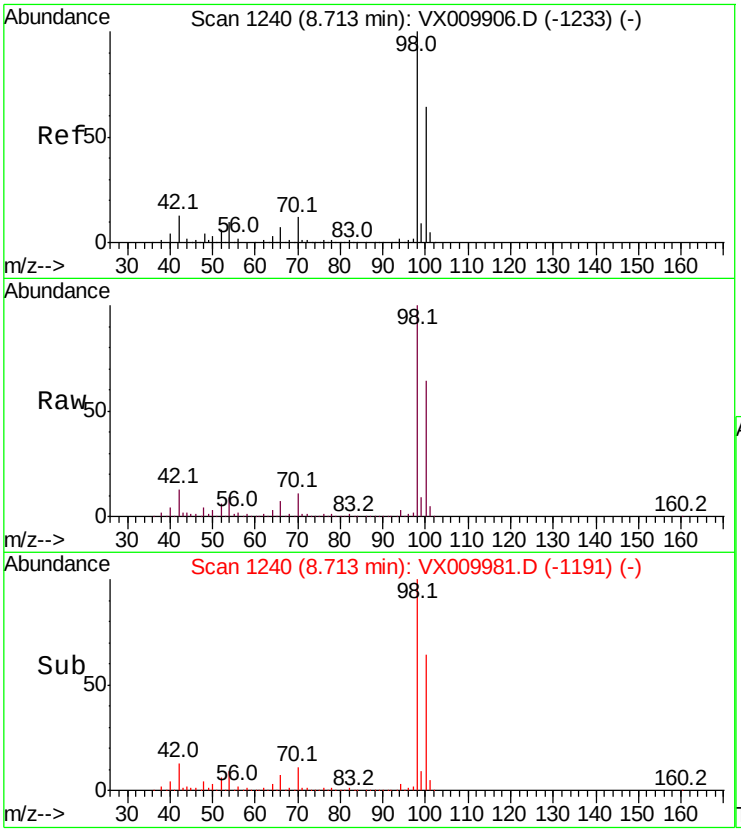




#40
Benzene
Concen: 3.628 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 78 Resp: 31148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 18.8 | 28.2 |



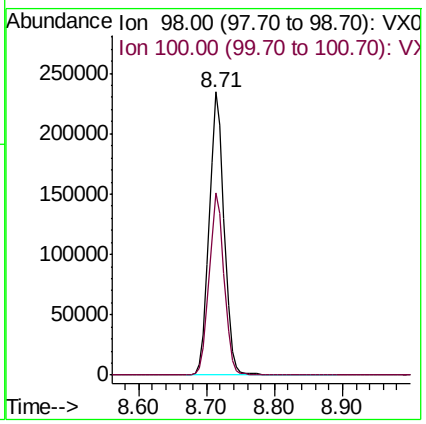


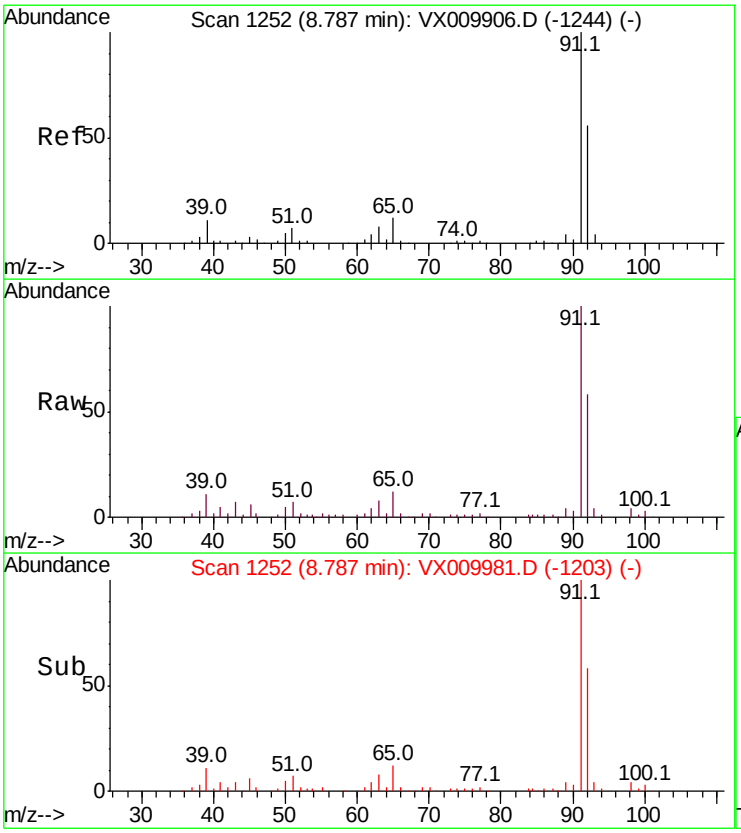

#50
Toluene-d8
Concen: 49.274 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
51030

Tgt Ion: 98 Resp: 358828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 51.2 | 76.8 |

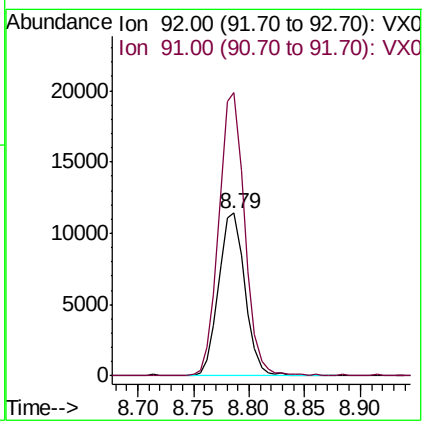


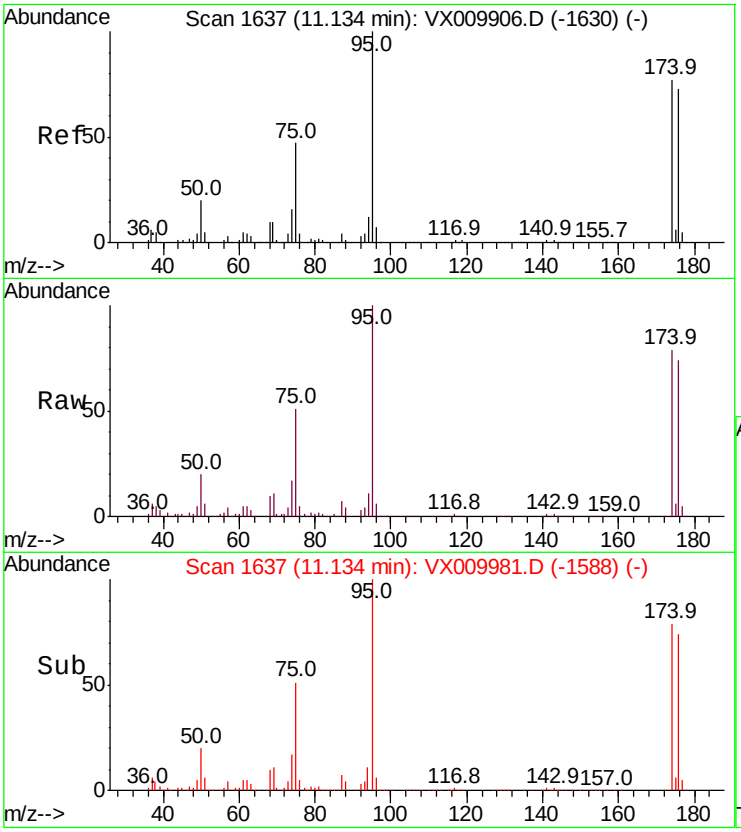




#52
Toluene
Concen: 3.620 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion: 92 Resp: 18868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.2 | 138.8 | 208.2 |



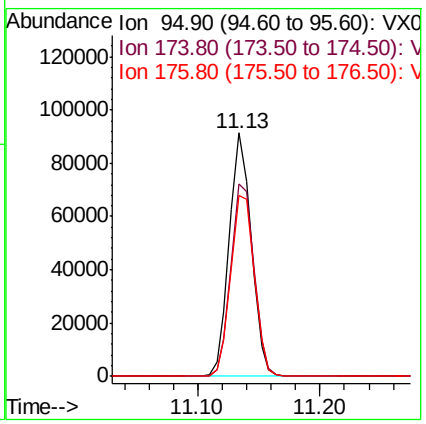


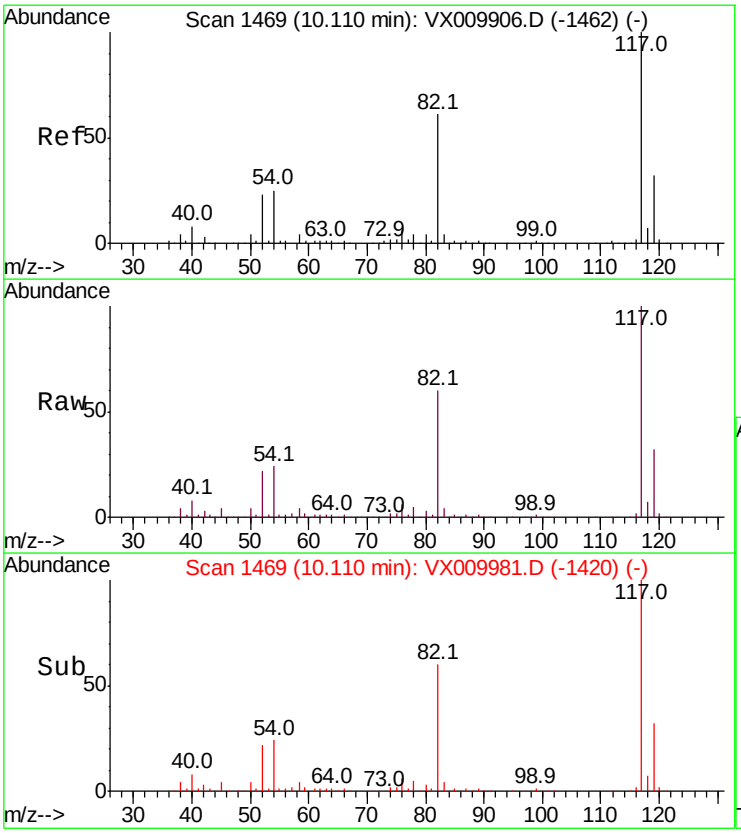

#62
4-Bromofluorobenzene
Concen: 43.422 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
51030

Tgt Ion: 95 Resp: 113578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.1 | 0.0 | 161.6 |
| 176 | 79.7 | 0.0 | 159.2 |

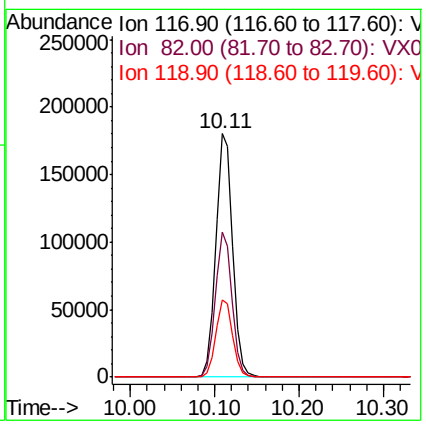


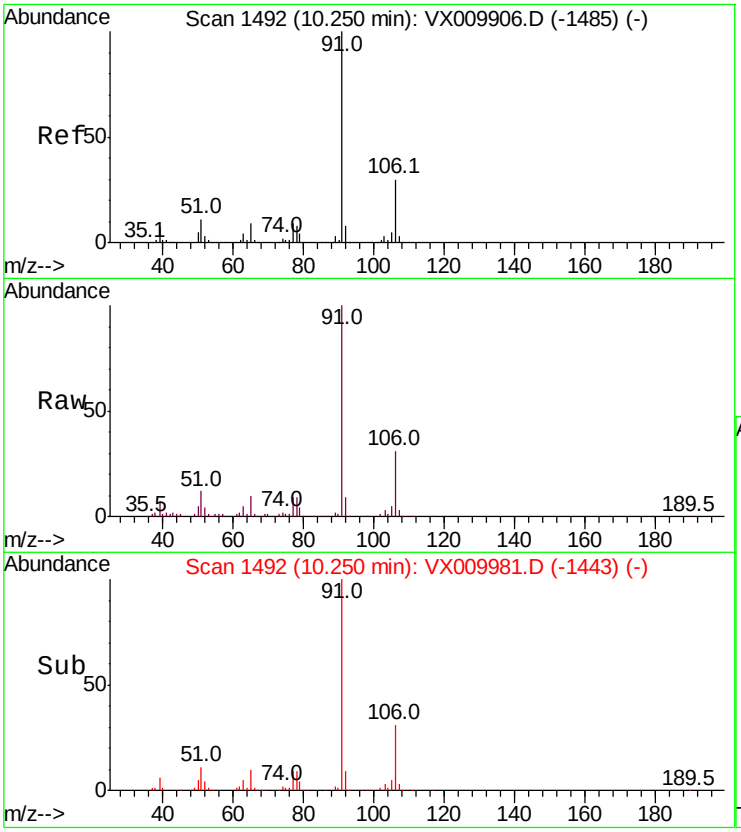




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:117 Resp: 247923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 48.8 | 73.2 |
| 119 | 31.9 | 25.8 | 38.6 |



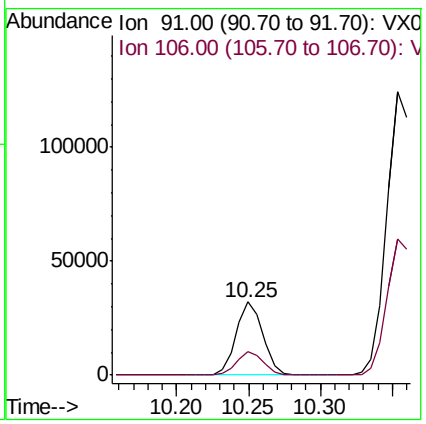


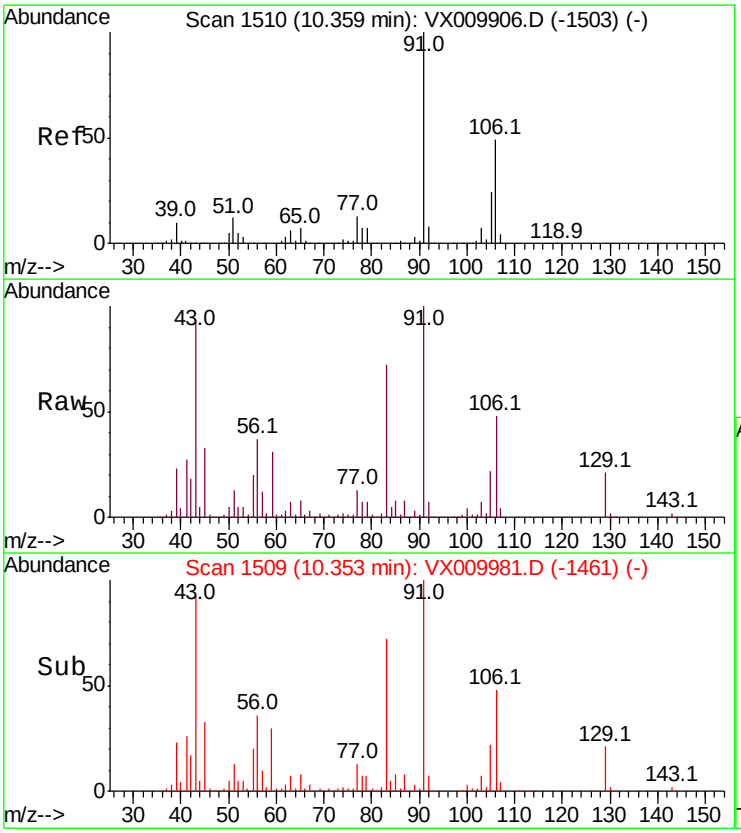

#67
Ethyl Benzene
Concen: 4.501 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Tgt Ion: 91 Resp: 41950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.5 | 24.0 | 36.0 |

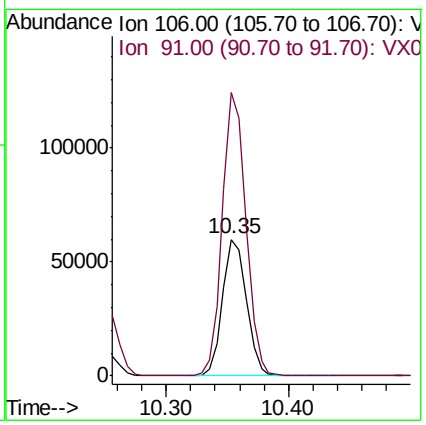


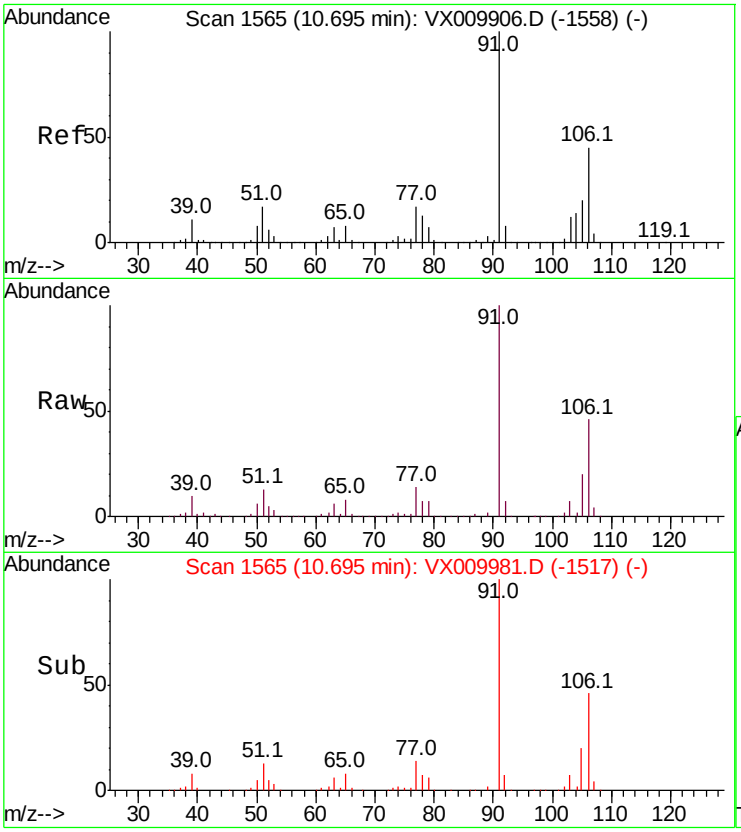




#68
m/p-Xylenes
Concen: 23.620 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:106 Resp: 81322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 164.0 | 246.0 |



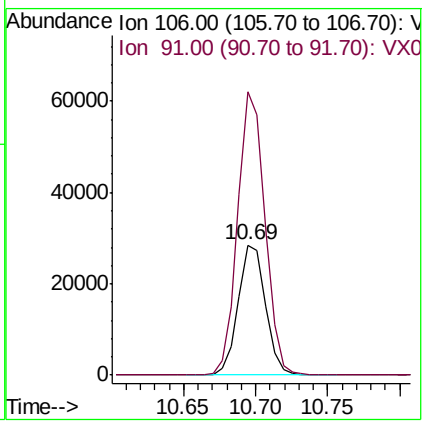


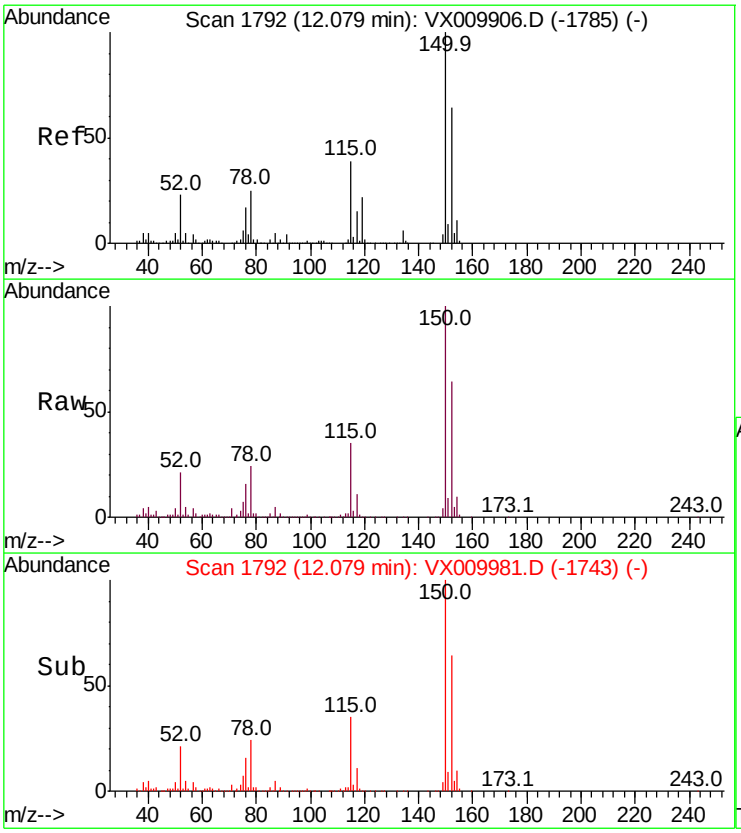

#69
o-Xylene
Concen: 11.383 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
51030

Tgt Ion:106 Resp: 37586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.3 | 109.5 | 328.4 |

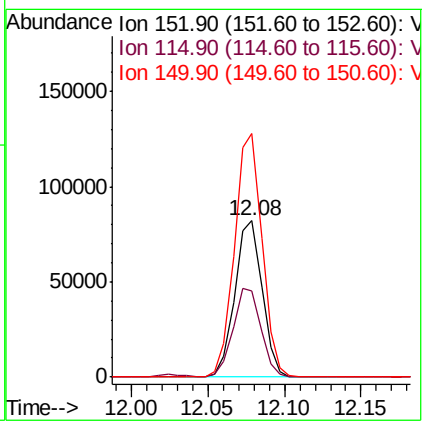


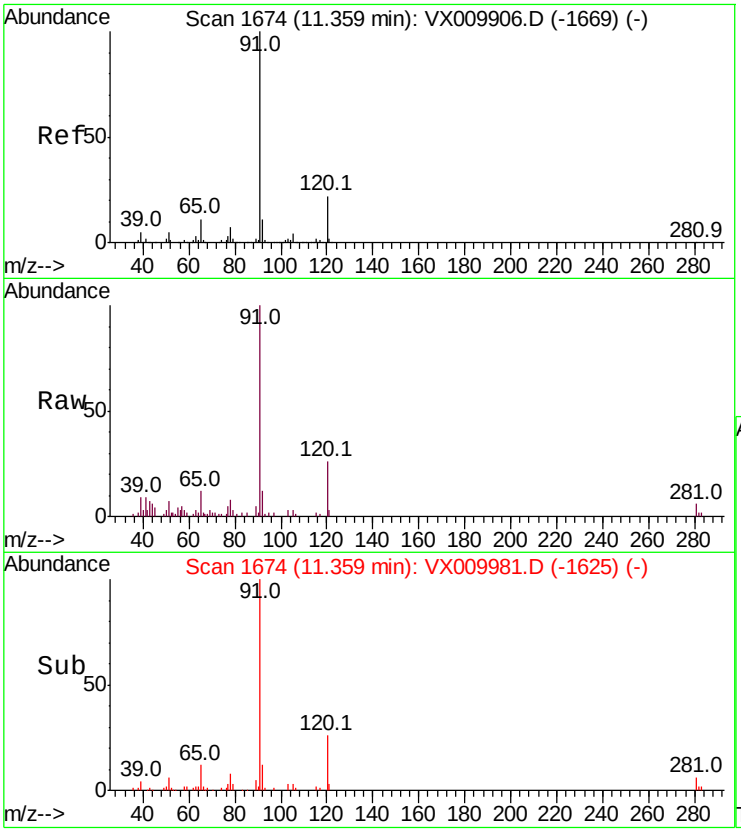




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:152 Resp: 101378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.9 | 41.2 | 123.6 |
| 150 | 157.2 | 0.0 | 346.4 |



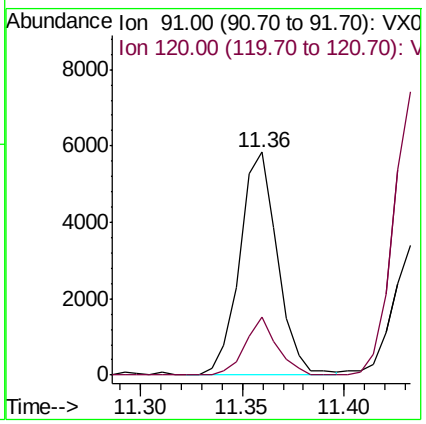


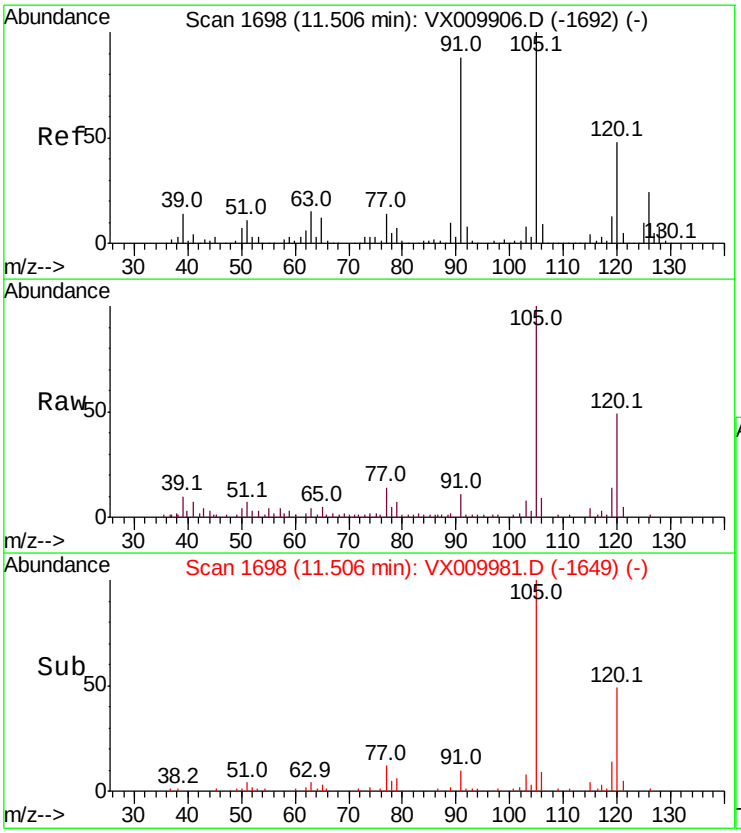

#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Tgt Ion: 91 Resp: 7509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.0 | 33.0 |

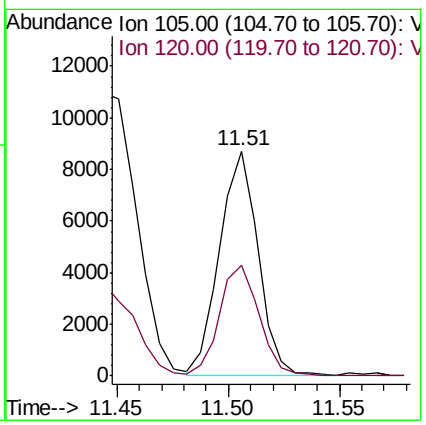


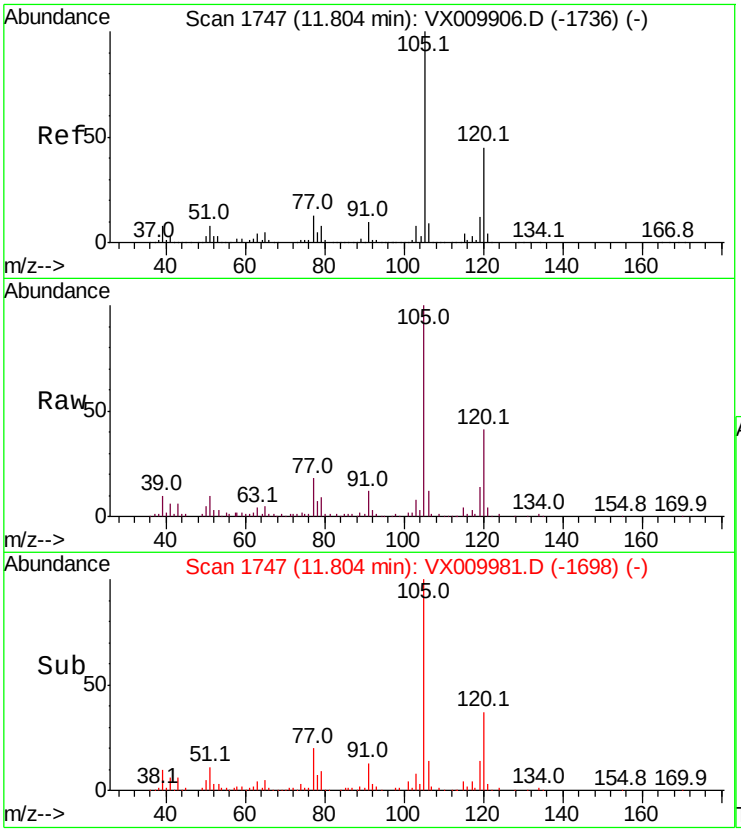




#80
1,3,5-Trimethylbenzene
Concen: 1.670 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:105 Resp: 10522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.6 | 24.3 | 72.9 |



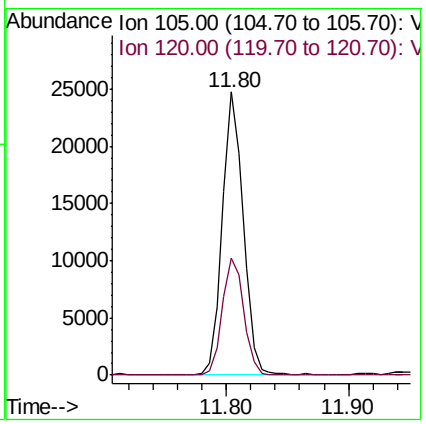


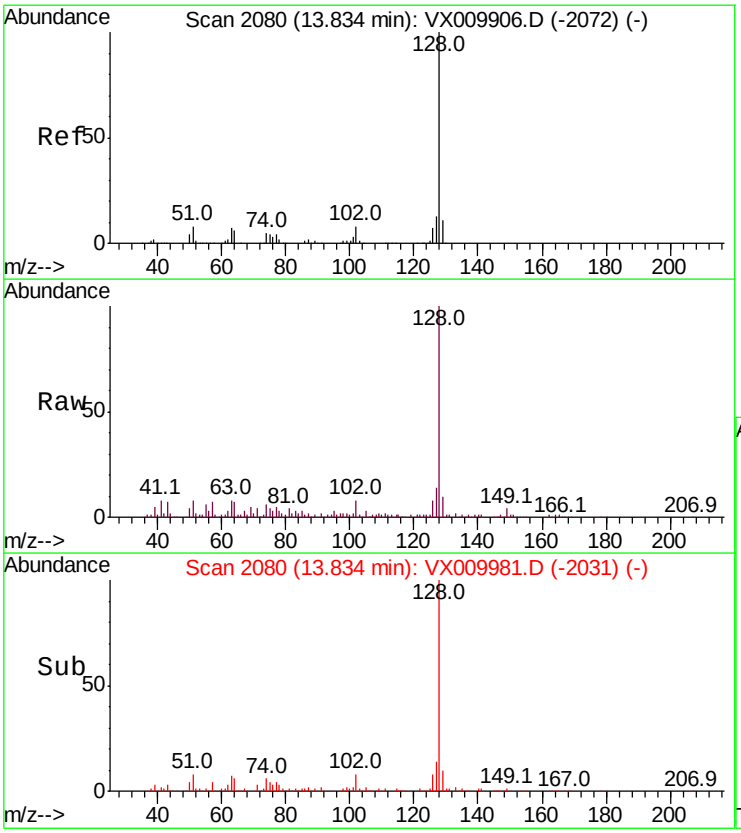

#84
1,2,4-Trimethylbenzene
Concen: 4.622 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

**Instrument :** MSVOA_X
**ClientSampleId :** 51030

Tgt Ion:105 Resp: 29580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.1 | 22.0 | 66.0 |




#95
Naphthalene
Concen: 4.553 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:128 Resp: 33876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.5 | 10.4 | 15.6 |
| 129 | 12.4 | 8.6 | 13.0 |