Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122018\
Data File : VF061107.D
Acq On : 20 Dec 2018 14:47
Operator : VA/AP
Sample : J6377-05
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** P001-SS001-0612-02

Quant Time: Dec 21 07:27:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.87 | 168 | 89496 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.60 | 114 | 146983 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.78 | 117 | 103596 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152 | 32100 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.85 | 65 | 45298 | 39.35 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.70% | | | |
| 35) Dibromofluoromethane | 4.12 | 113 | 50230 | 42.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 85.32% | | | |
| 50) Toluene-d8 | 7.56 | 98 | 102810 | 30.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 61.62% | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 36774 | 23.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 47.82% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 52) Toluene | 7.63 | 92 | 4867 | 1.927 | ug/l | 77 |
| 65) Chlorobenzene | 9.80 | 112 | 10913 | 5.099 | ug/l | 100 |
| 67) Ethyl Benzene | 9.91 | 91 | 20413 | 5.236 | ug/l | 96 |
| 68) m/p-Xylenes | 10.14 | 106 | 164146 | 119.628 | ug/l | 100 |
| 69) o-Xylene | 10.72 | 106 | 16913 | 11.114 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.83 | 105 | 4025 | 1.767 | ug/l | 93 |
| 84) 1,2,4-Trimethylbenzene | 12.21 | 105 | 15196 | 6.690 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.57 | 146 | 18306 | 16.742 | ug/l | 90 |
| 95) Naphthalene | 14.46 | 128 | 10853 | 7.872 | ug/l | 97 |

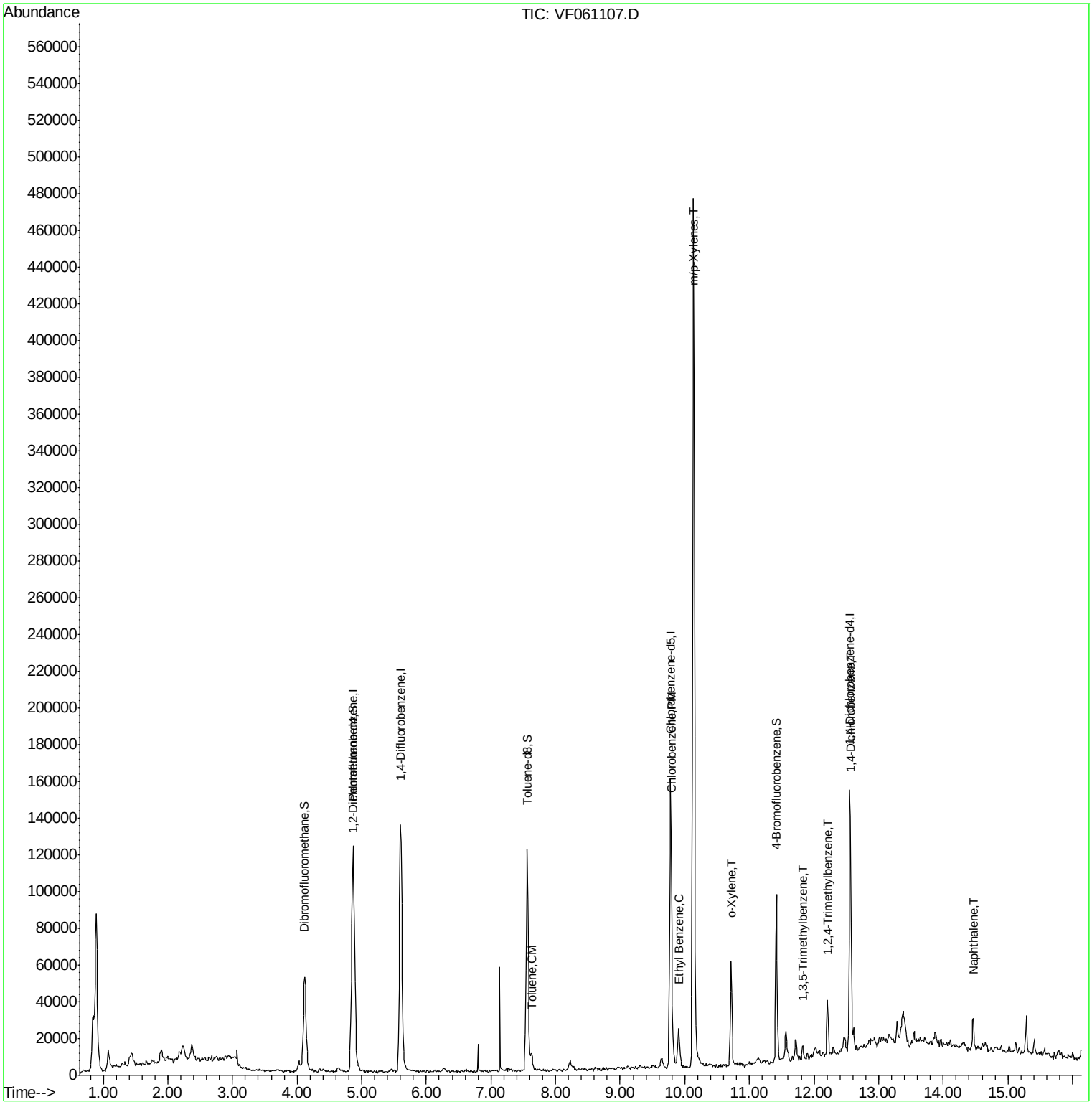
(#) = qualifier out of range (m) = manual integration (+) = signals summed

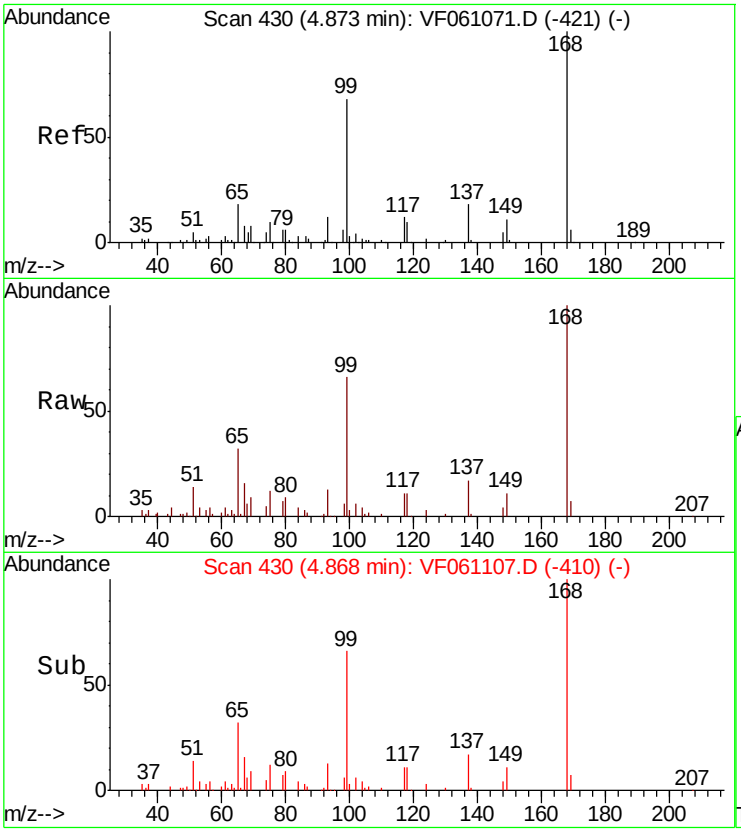
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061107.D
Acq On : 20 Dec 2018 14:47
Operator : VA/AP
Sample : J6377-05
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Quant Time: Dec 21 07:27:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



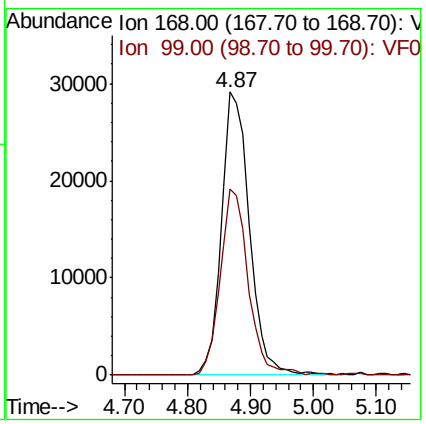


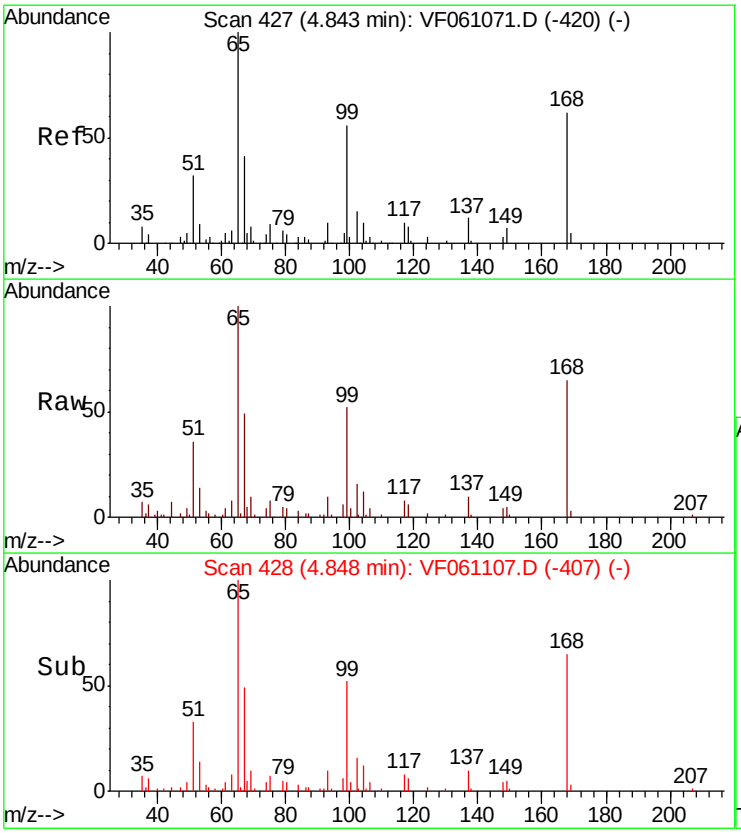

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:168 Resp: 89496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.9 | 54.4 | 81.6 |

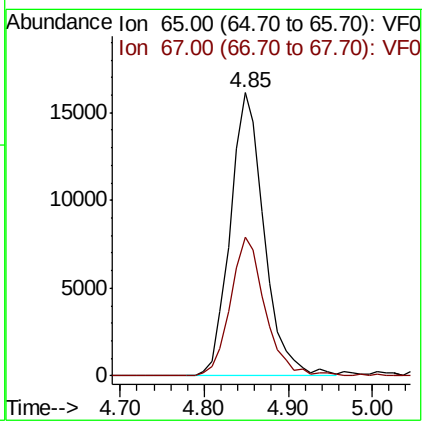


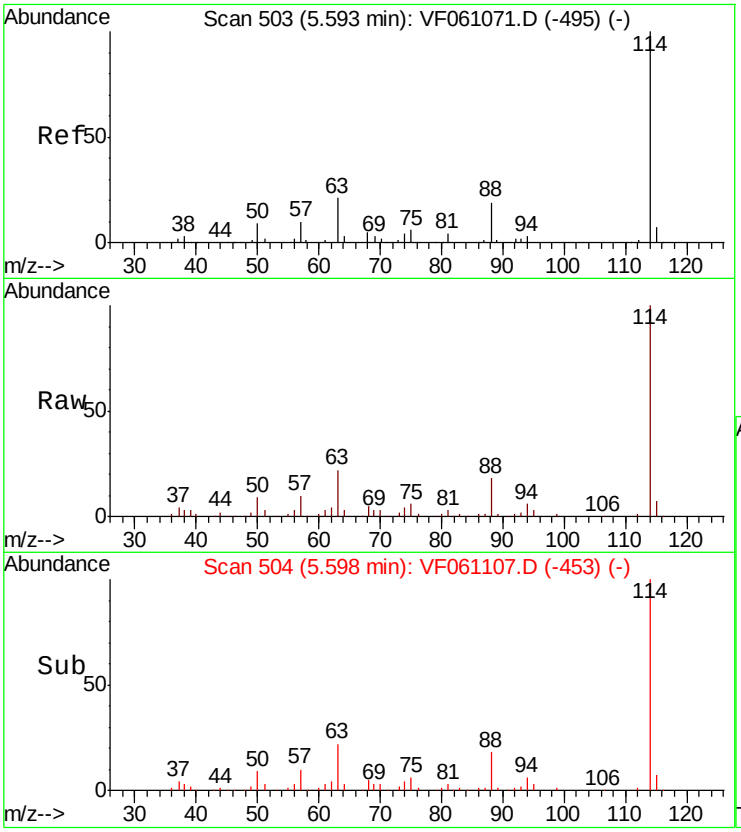




#33
1,2-Dichloroethane-d4
Concen: 39.353 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 65 Resp: 45298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 48.8 | 0.0 | 94.6 |



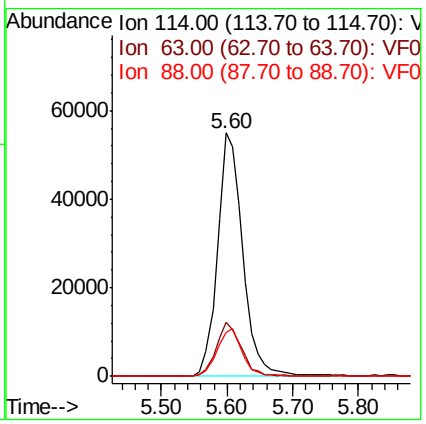


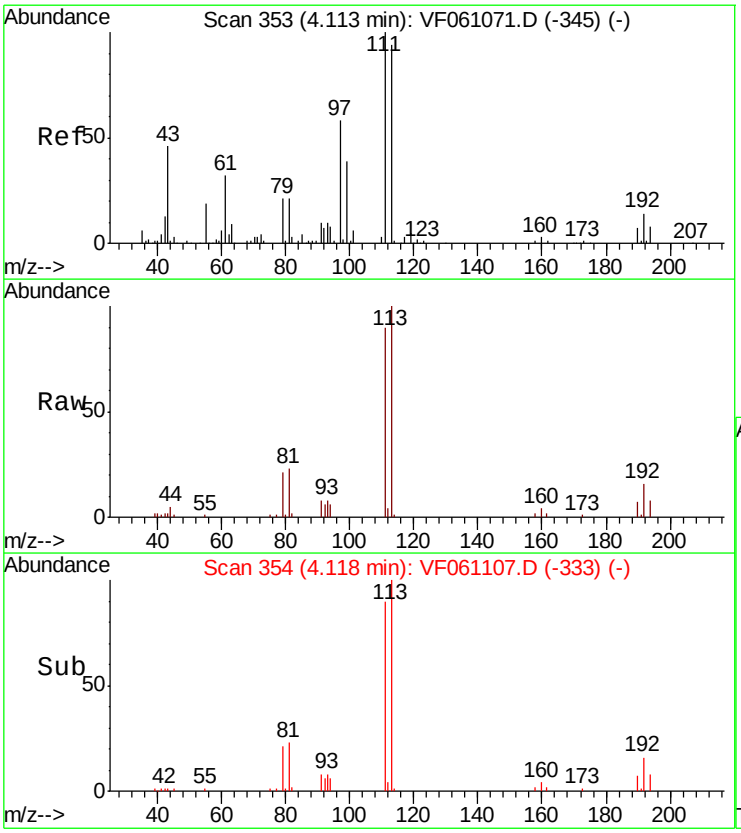

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:114 Resp: 146983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 41.6 |
| 88 | 18.2 | 0.0 | 38.0 |

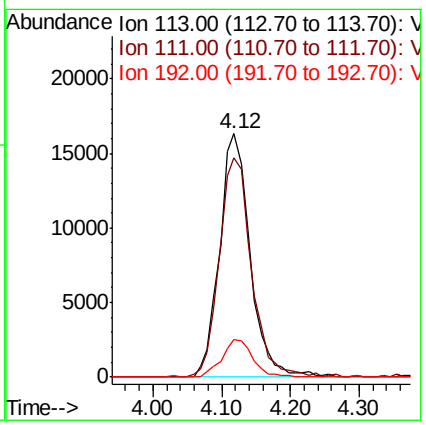


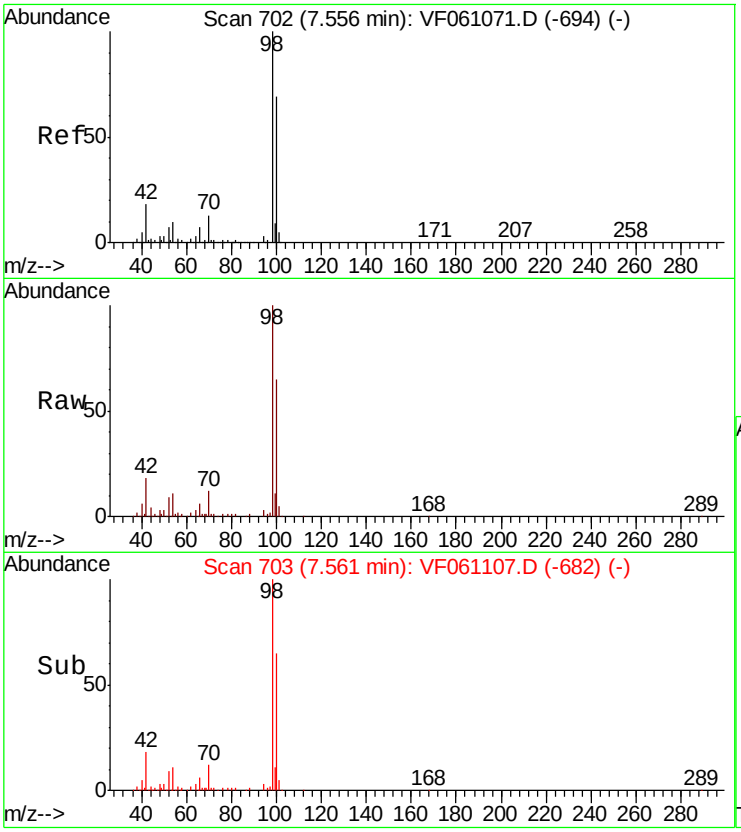




#35
Dibromofluoromethane
Concen: 42.661 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:113 Resp: 50230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 90.1 | 85.2 | 127.8 |
| 192 | 15.6 | 12.8 | 19.2 |



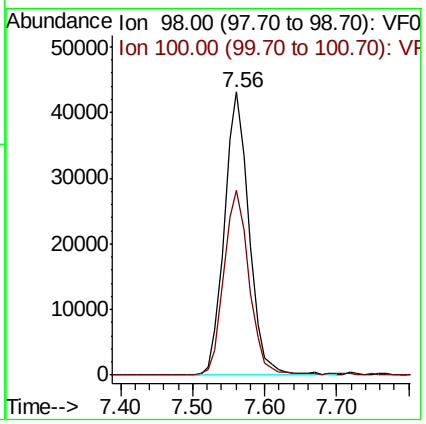


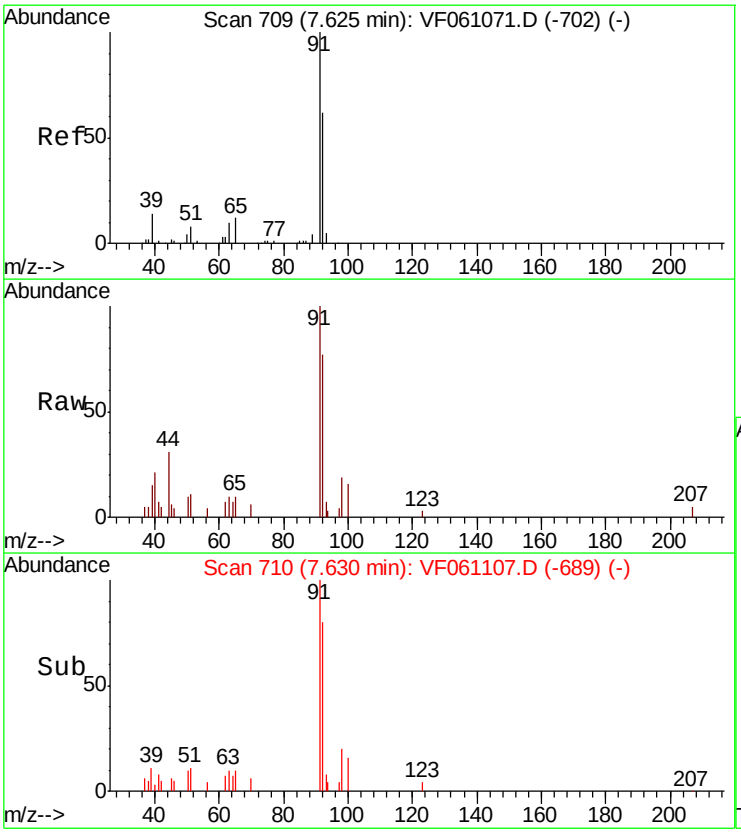

#50
Toluene-d8
Concen: 30.812 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion: 98 Resp: 102810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 55.3 | 82.9 |

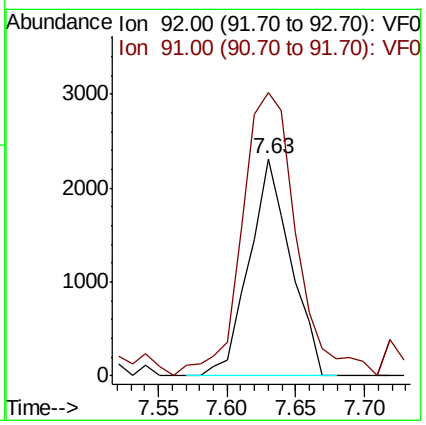


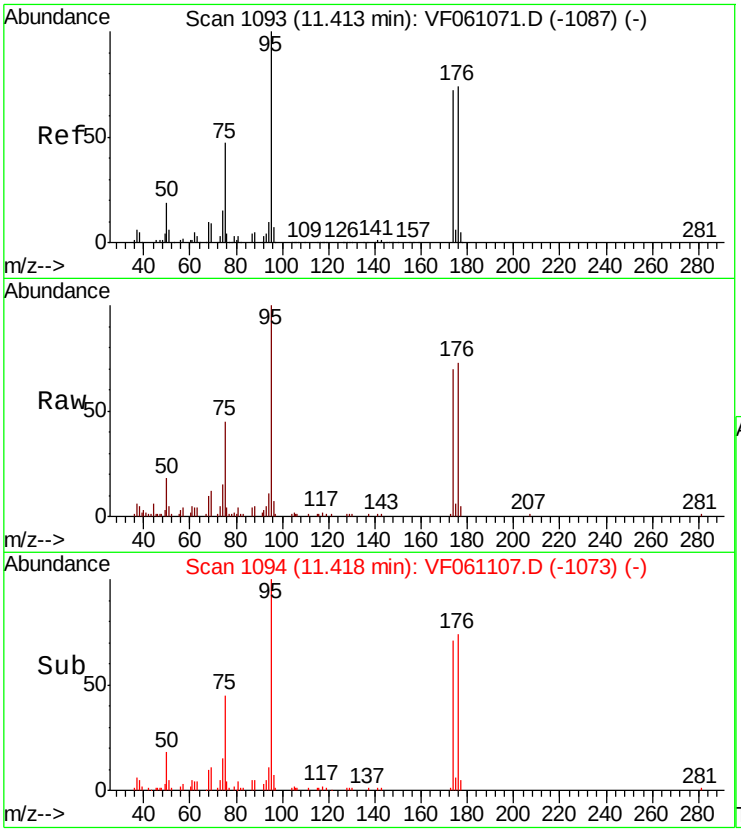




#52
Toluene
Concen: 1.927 ug/l
RT: 7.63 min Scan# 710
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 92 Resp: 4867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 130.4 | 128.8 | 193.2 |



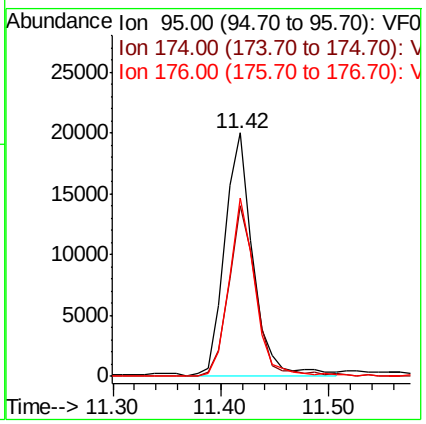


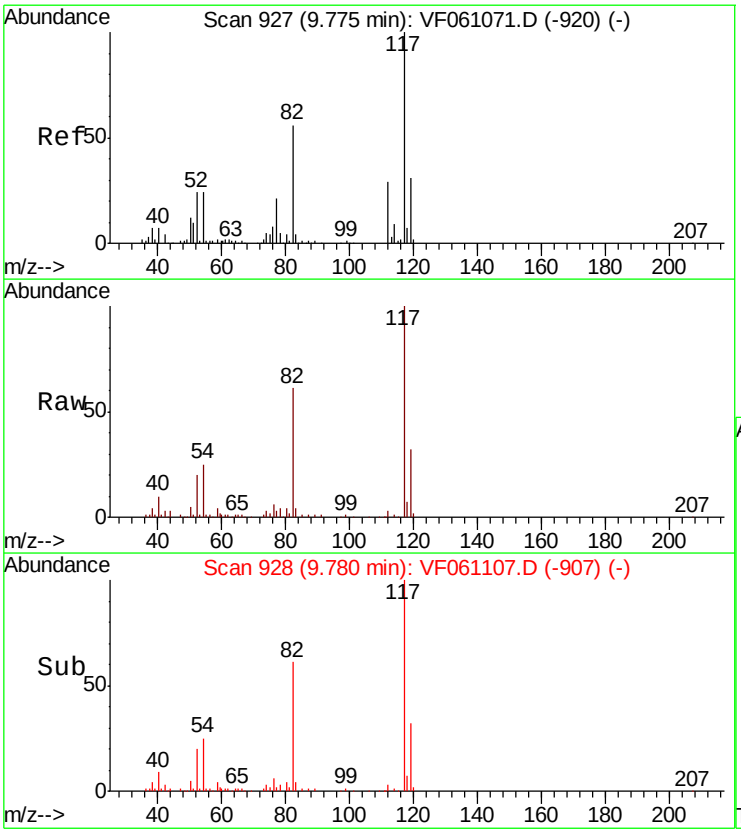

#62
4-Bromofluorobenzene
Concen: 23.906 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion: 95 Resp: 36774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.0 | 0.0 | 143.8 |
| 176 | 73.2 | 0.0 | 147.6 |

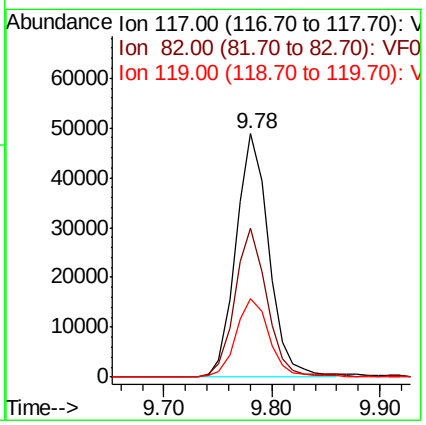


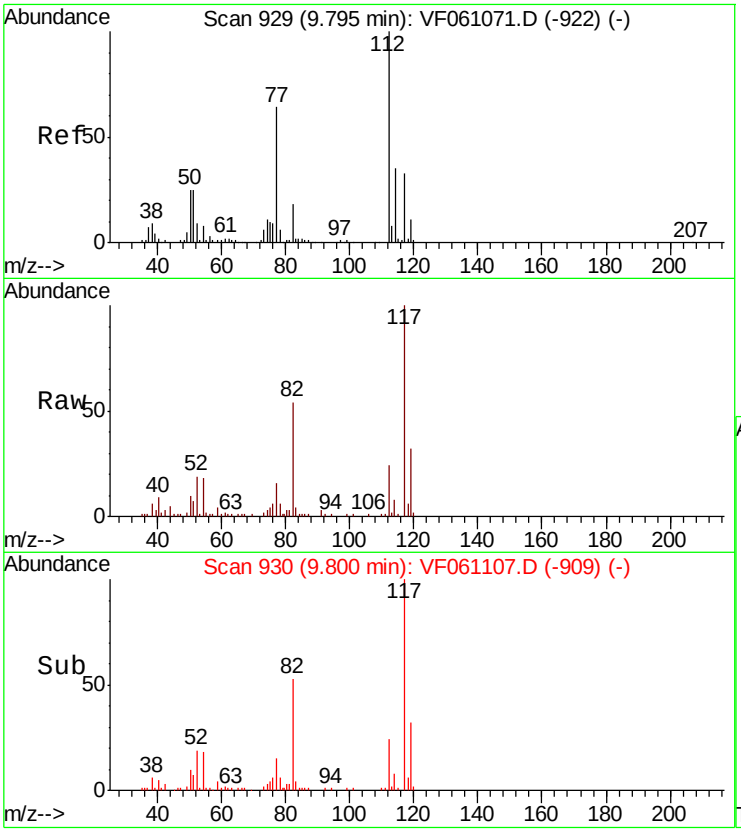




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:117 Resp: 103596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.1 | 45.0 | 67.4 |
| 119 | 32.5 | 24.8 | 37.2 |



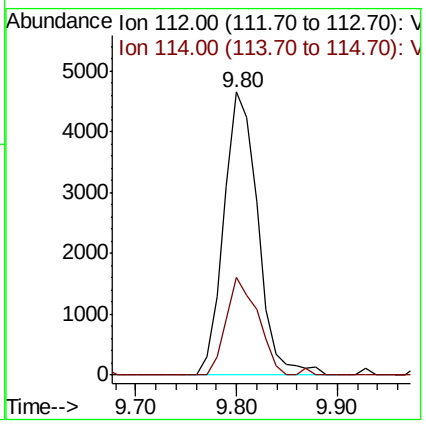


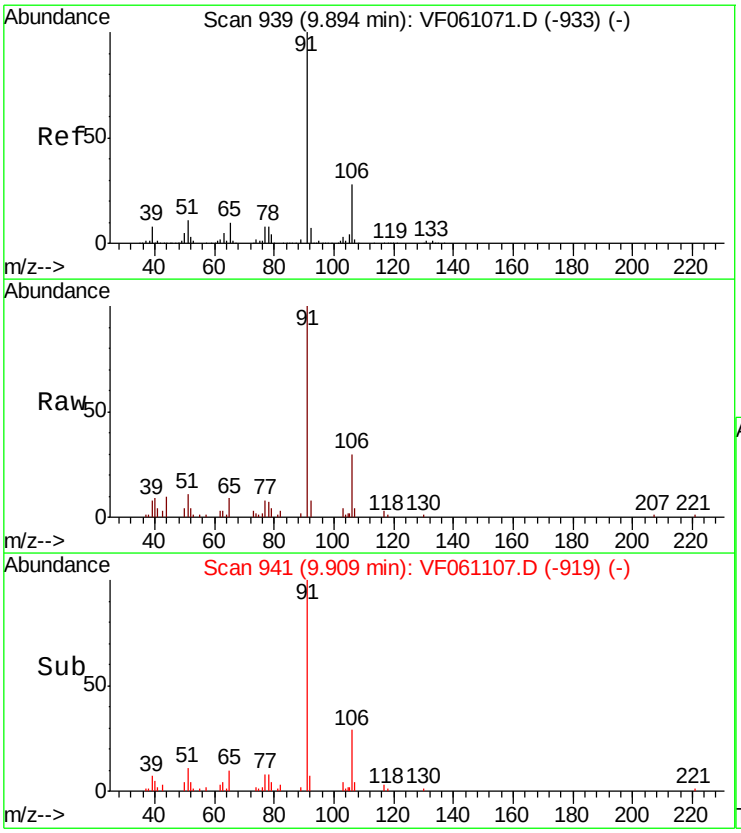

#65
Chlorobenzene
Concen: 5.099 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:112 Resp: 10913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.5 | 27.8 | 41.6 |

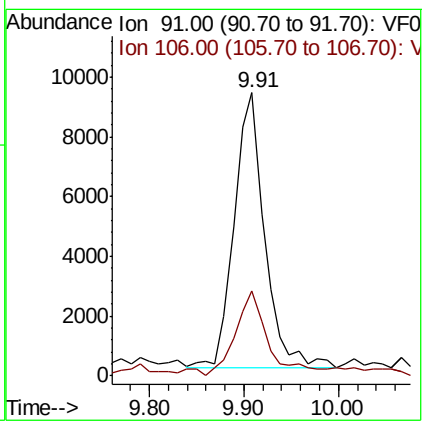


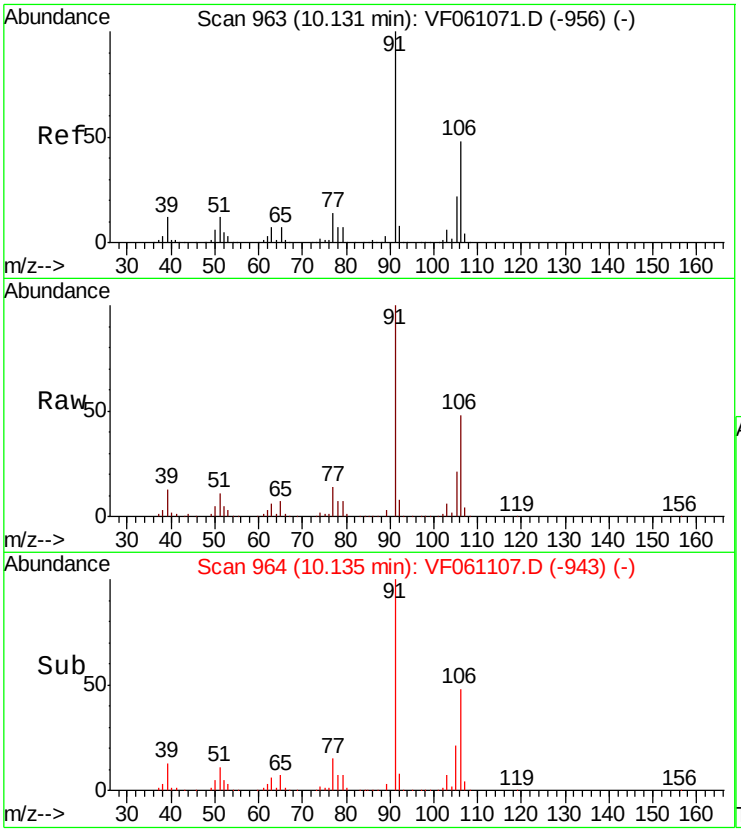




#67
Ethyl Benzene
Concen: 5.236 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 91 Resp: 20413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 22.5 | 33.7 |



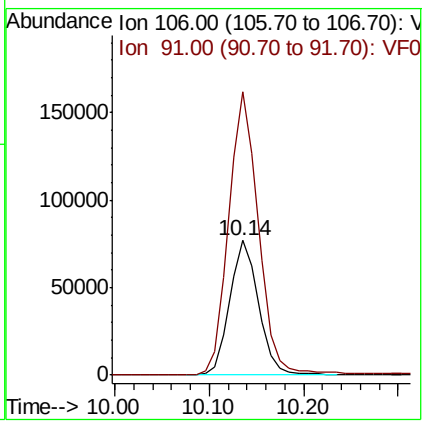


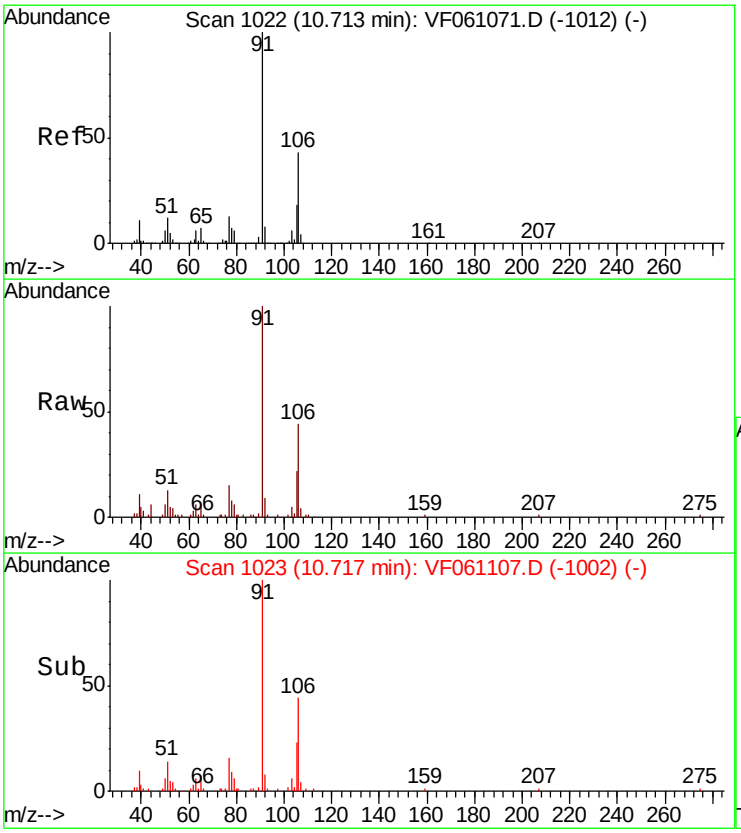

#68
m/p-Xylenes
Concen: 119.628 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:106 Resp: 164146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 168.2 | 252.2 |

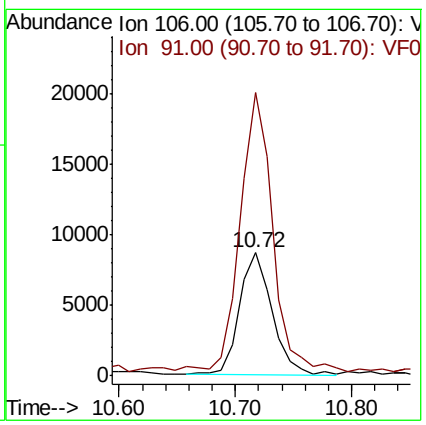


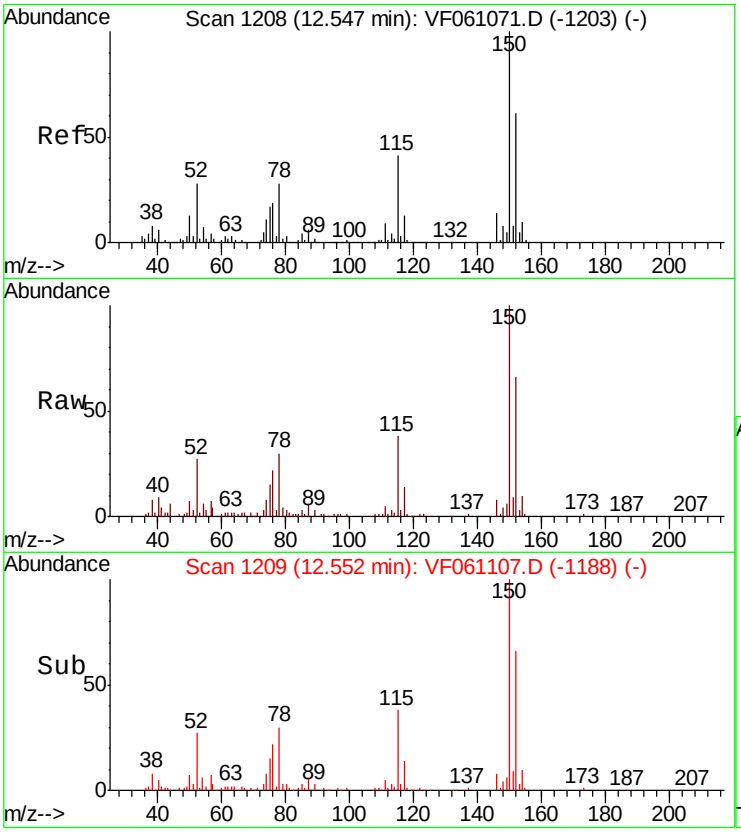




#69
o-Xylene
Concen: 11.114 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:106 Resp: 16913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.5 | 115.9 | 347.7 |



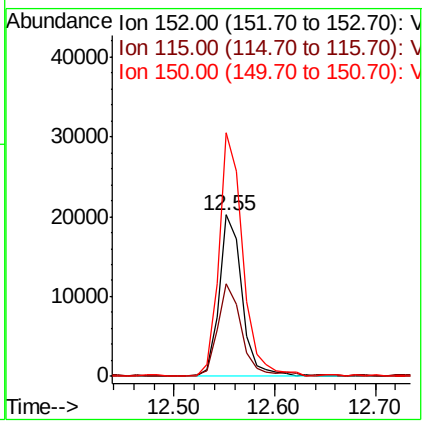


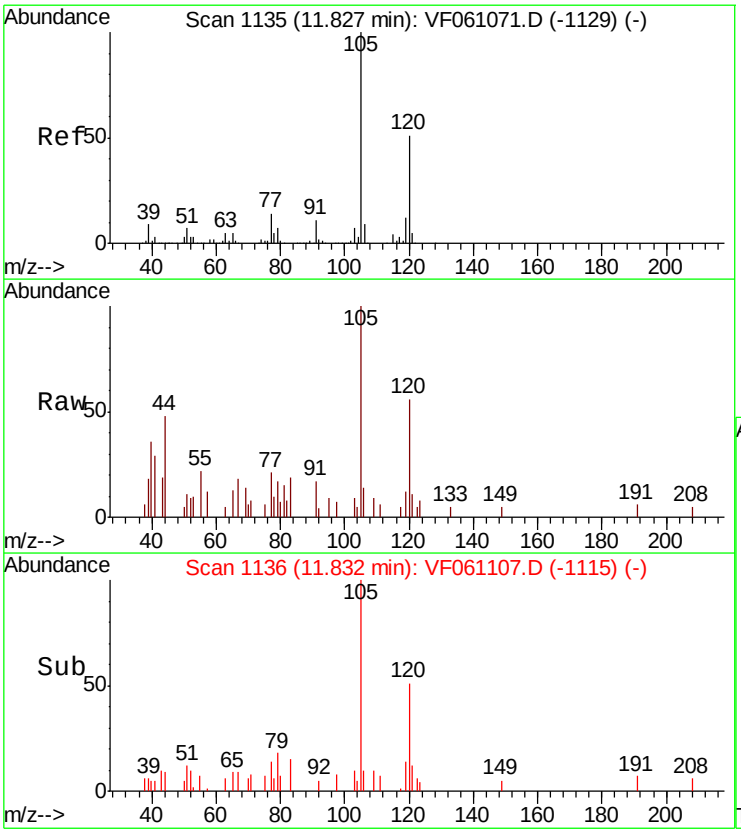

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:152 Resp: 32100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.4 | 33.3 | 99.9 |
| 150 | 150.9 | 0.0 | 328.2 |

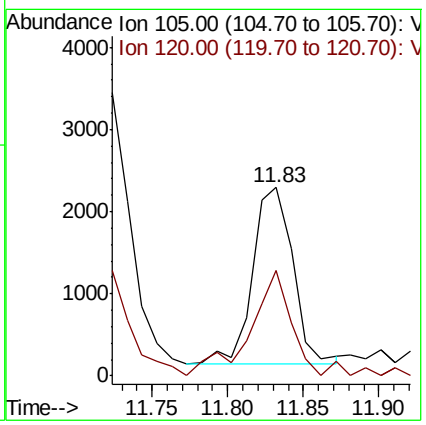


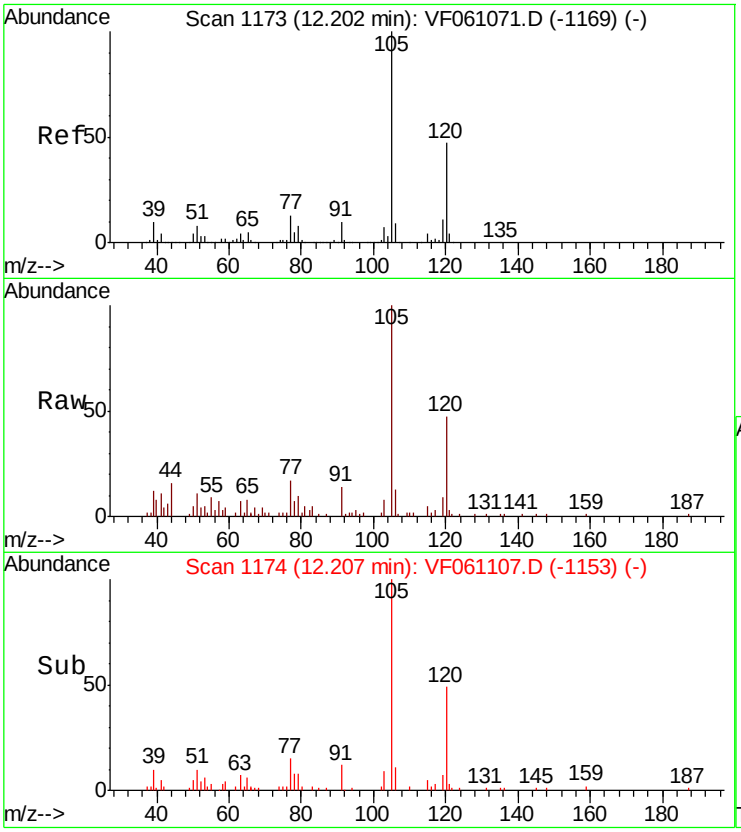




#80
1,3,5-Trimethylbenzene
Concen: 1.767 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:105 Resp: 4025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 56.0 | 25.4 | 76.4 |



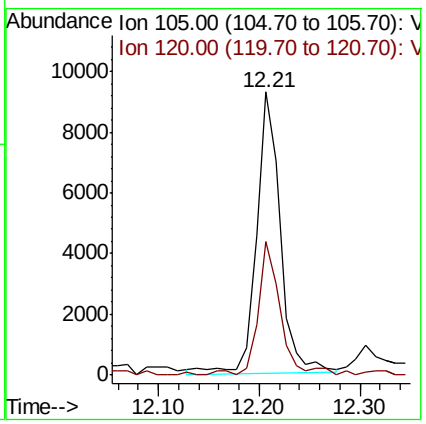


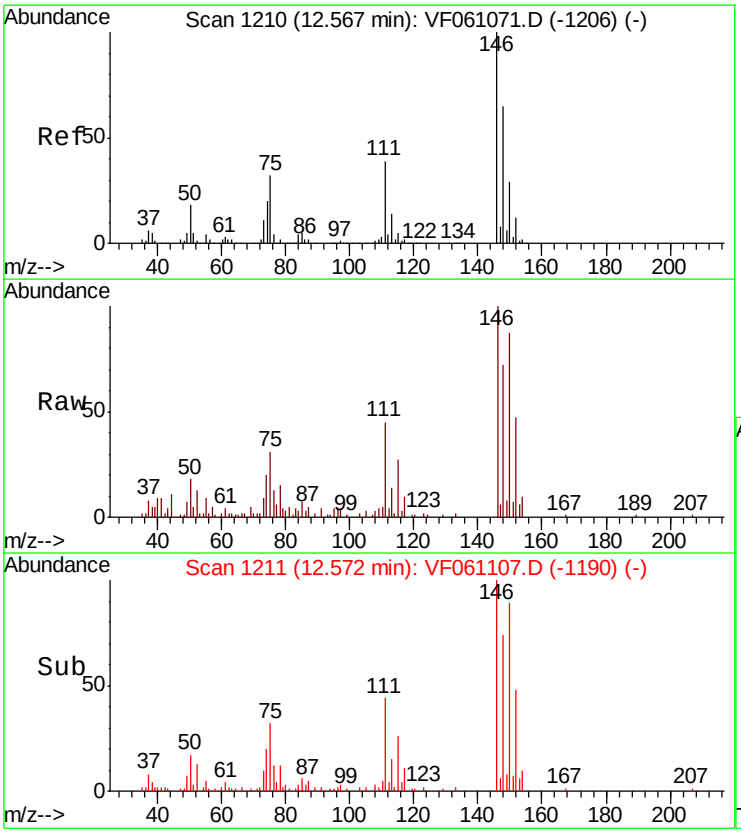

#84
1,2,4-Trimethylbenzene
Concen: 6.690 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:105 Resp: 15196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.6 | 71.0 |

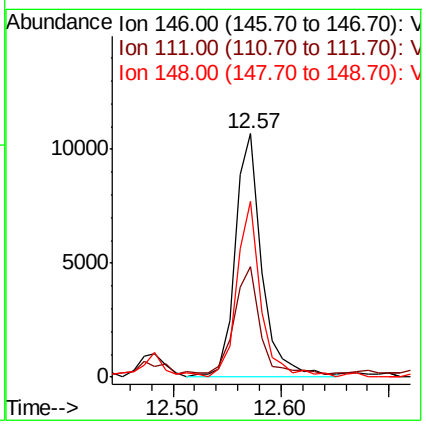


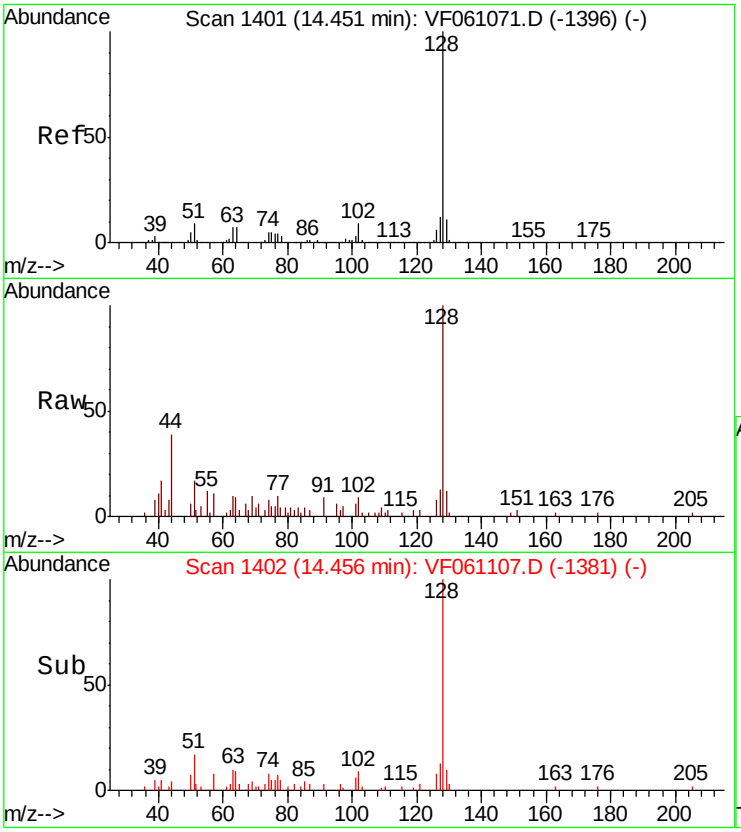




#88
1,4-Dichlorobenzene
Concen: 16.742 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:146 Resp: 18306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.4 | 19.4 | 58.4 |
| 148 | 72.4 | 32.4 | 97.0 |






#95
Naphthalene
Concen: 7.872 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

**Instrument :**
MSVOA_F
**ClientSampleId :**
P001-SS001-0612-02

Tgt Ion:128 Resp: 10853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 9.4 | 14.2 |
| 129 | 12.2 | 8.8 | 13.2 |