Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041719\
Data File : VN055108.D
Acq On : 17 Apr 2019 16:09
Operator : JC/SP
Sample : K2441-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Quant Time: Apr 18 05:44:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.66 | 168 | 487324 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 790542 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 666534 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 229649 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 312785 | 48.29 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.58% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 253586 | 48.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.00% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 947005 | 50.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.16% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 285137 | 46.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.76% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 20) Methylene Chloride | 4.54 | 84 | 667425 | 107.987 | ug/l | 98 |
| 43) Isopropyl Acetate | 8.17 | 43 | 13470 | 1.441 | ug/l # | 90 |
| 67) Ethyl Benzene | 11.51 | 91 | 28167 | 1.176 | ug/l | 100 |
| 68) m/p-Xylenes | 11.62 | 106 | 47938 | 5.525 | ug/l | 98 |
| 69) o-Xylene | 11.95 | 106 | 20372 | 2.424 | ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 39672 | 2.412 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 172722 | 11.083 | ug/l | 100 |
| 95) Naphthalene | 15.13 | 128 | 14078 | 4.683 | ug/l | 99 |

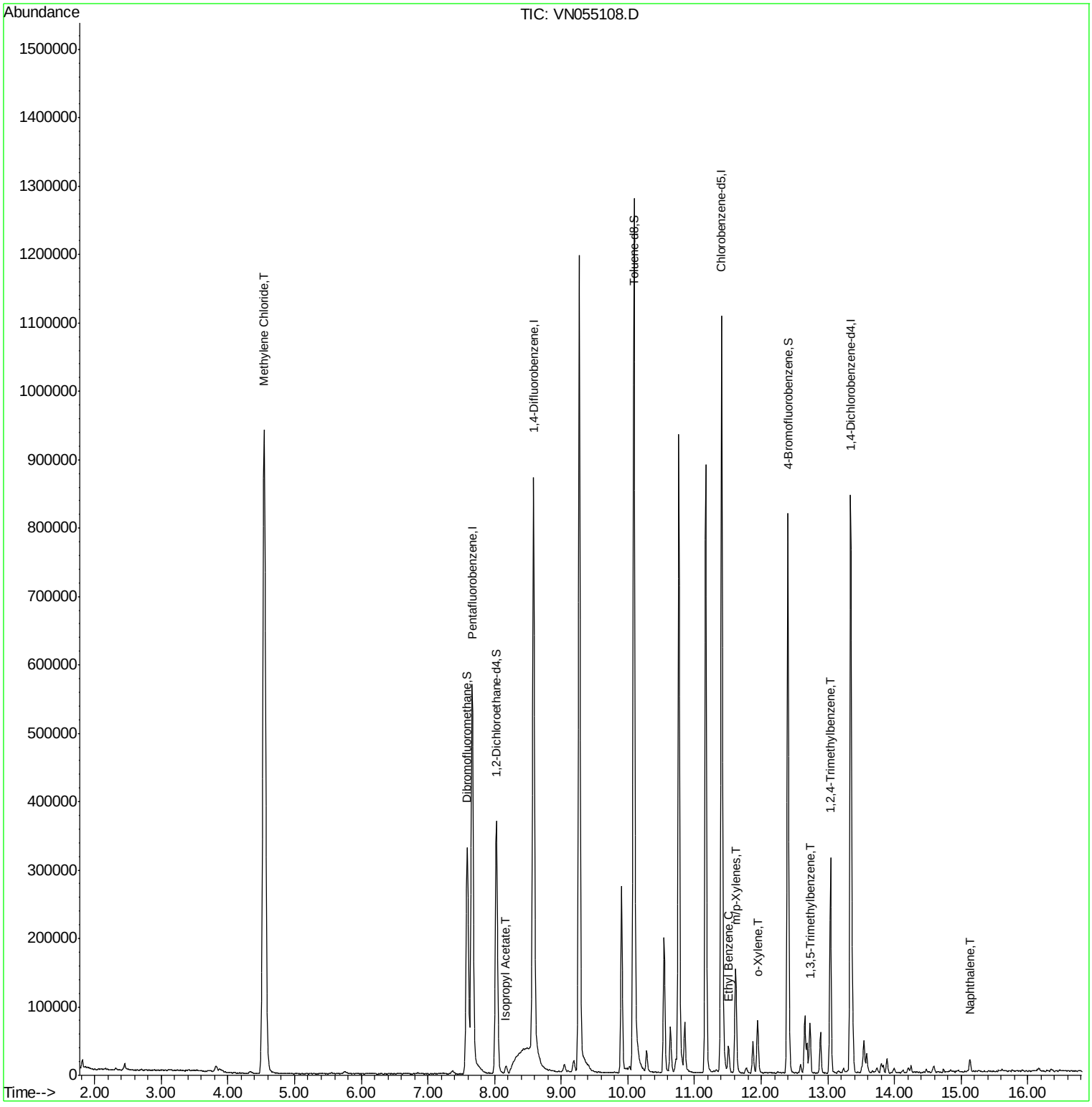
(#) = qualifier out of range (m) = manual integration (+) = signals summed

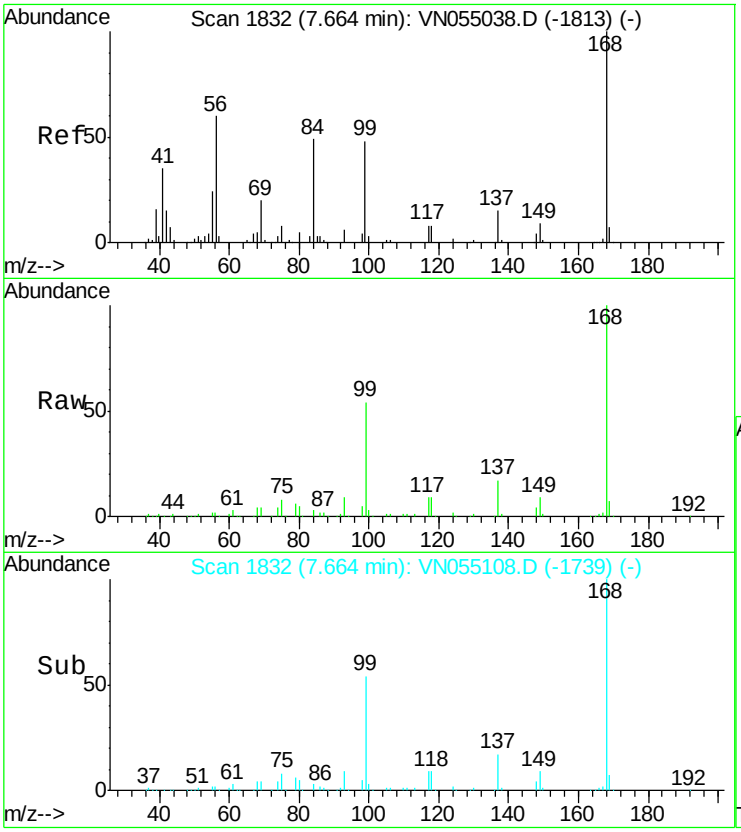
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041719\
Data File : VN055108.D
Acq On : 17 Apr 2019 16:09
Operator : JC/SP
Sample : K2441-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Quant Time: Apr 18 05:44:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration



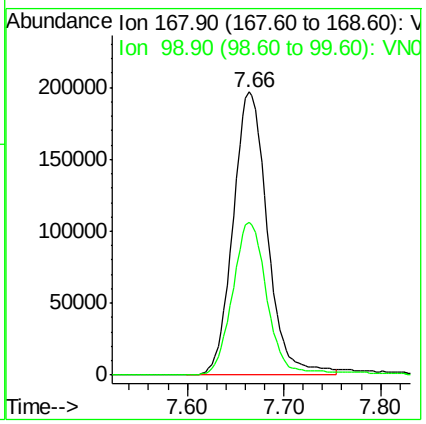


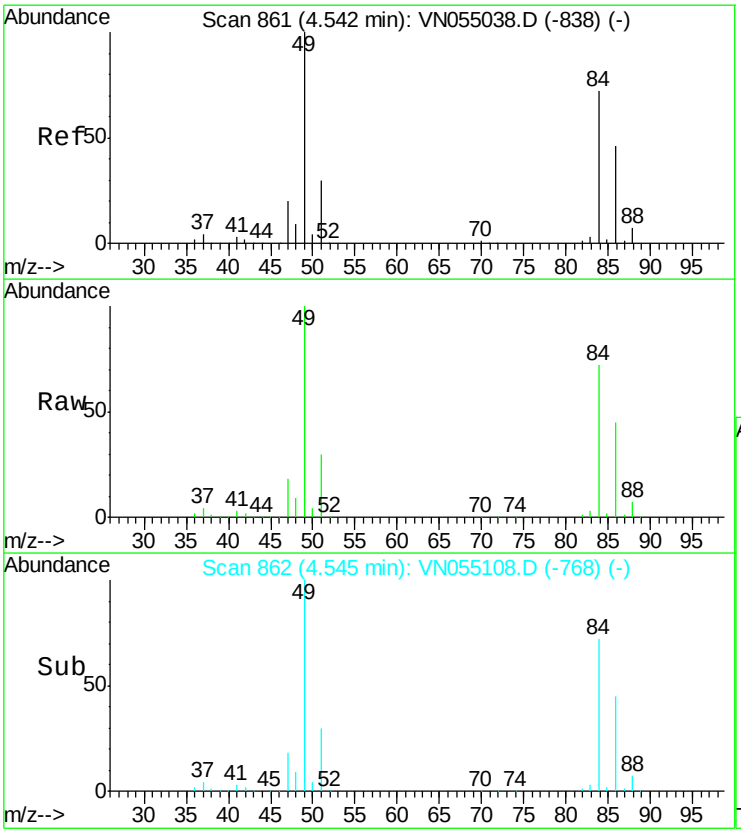

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :**
MSVOA_N
**ClientSampleId :**
TP-18-S

Tgt Ion:168 Resp: 487324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.1 | 41.9 | 62.9 |

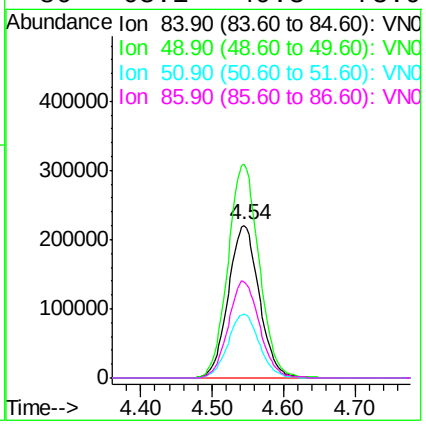


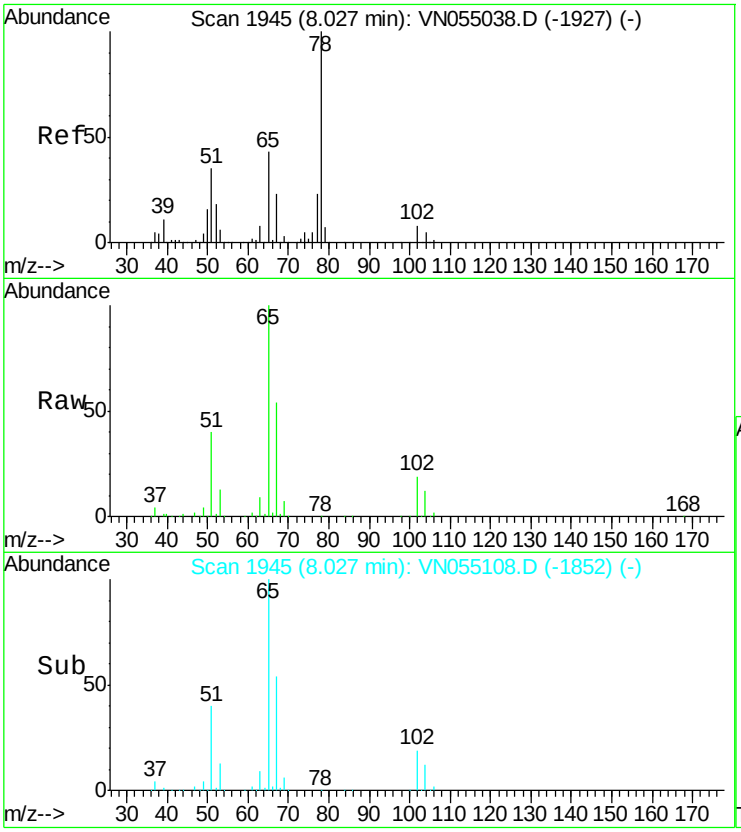




#20
Methylene Chloride
Concen: 107.987 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 84 Resp: 667425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.6 | 109.4 | 164.2 |
| 51 | 41.5 | 32.2 | 48.4 |
| 86 | 63.1 | 49.3 | 73.9 |



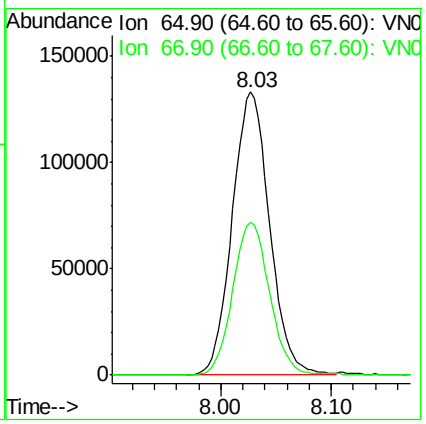


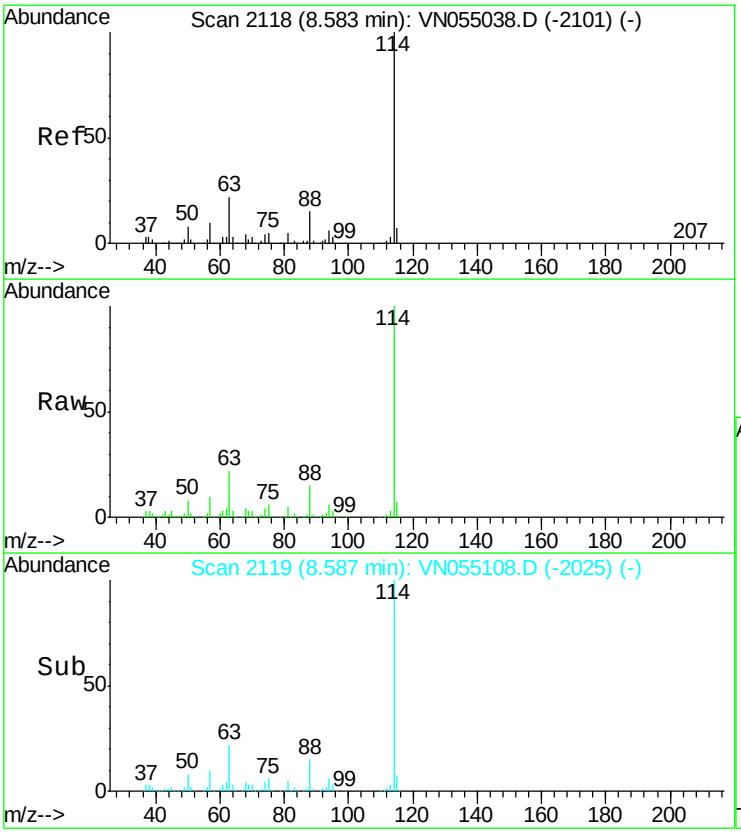

#33
1,2-Dichloroethane-d4
Concen: 48.286 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Tgt Ion: 65 Resp: 312785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 0.0 | 106.4 |

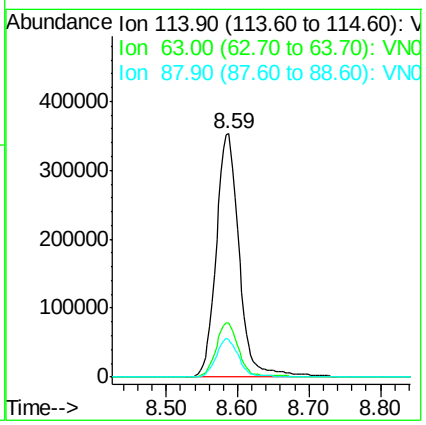


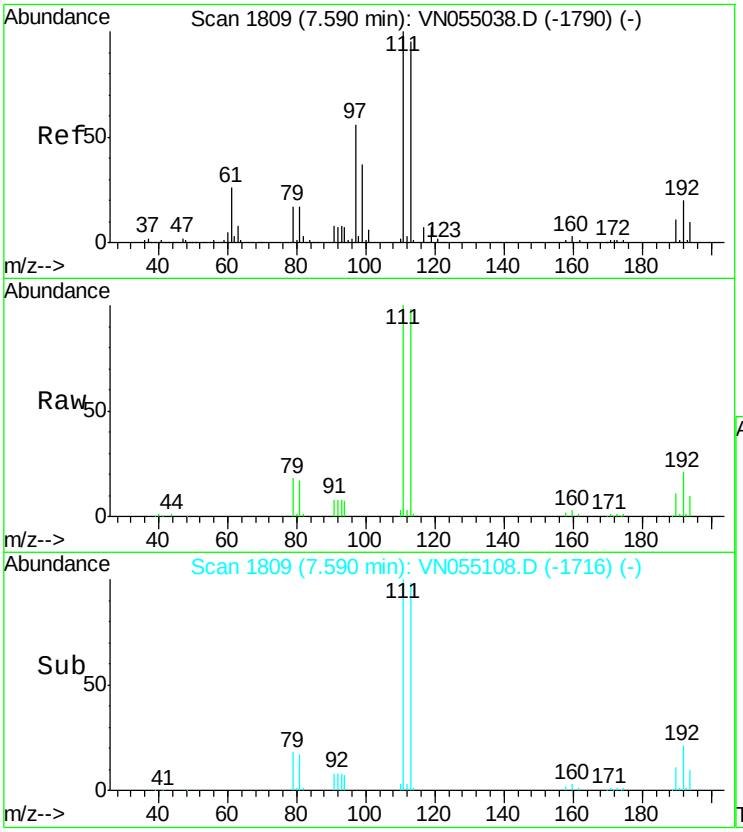




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion:114 Resp: 790542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 45.2 |
| 88 | 15.3 | 0.0 | 31.8 |



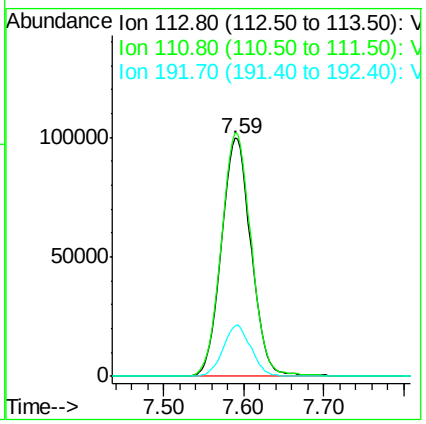


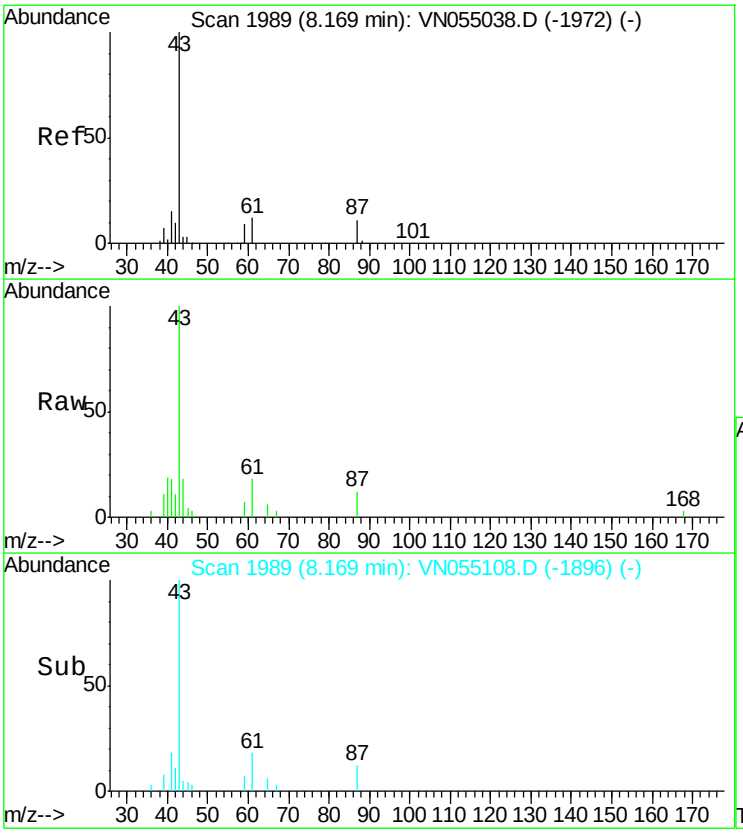

#35
Dibromofluoromethane
Concen: 47.998 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :**
MSVOA_N
**ClientSampleId :**
TP-18-S

Tgt Ion:113 Resp: 253586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.1 | 123.1 |
| 192 | 20.3 | 16.5 | 24.7 |

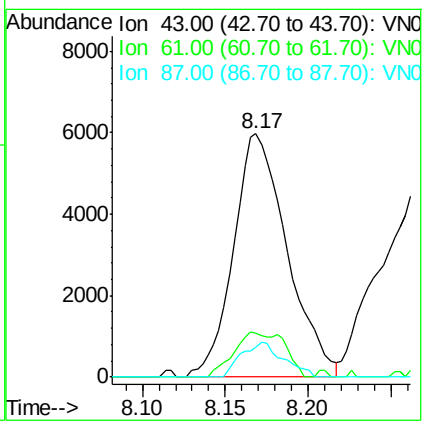


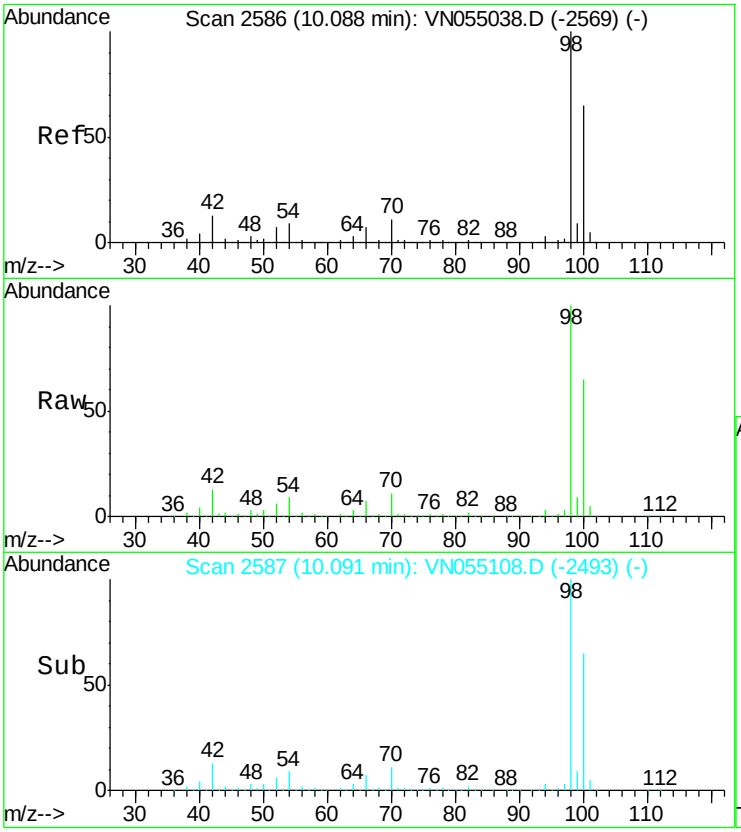




#43
Isopropyl Acetate
Concen: 1.441 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 43 Resp: 13470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.3 | 14.3 | 21.5# |
| 87 | 11.2 | 8.6 | 13.0 |



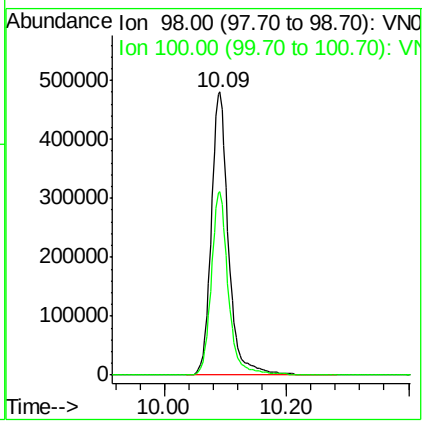


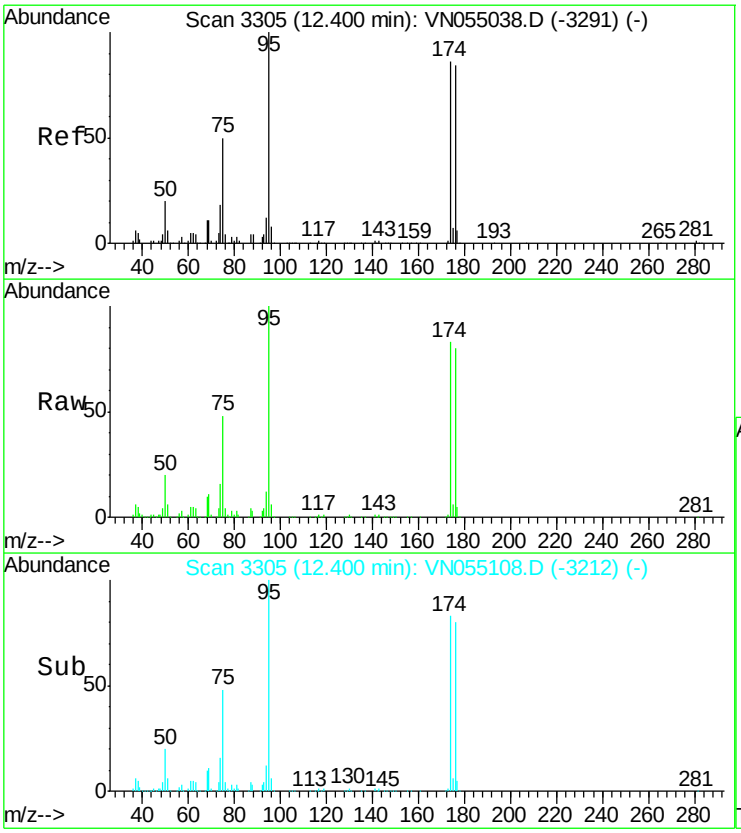

#50
Toluene-d8
Concen: 50.082 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Tgt Ion: 98 Resp: 947005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 51.1 | 76.7 |

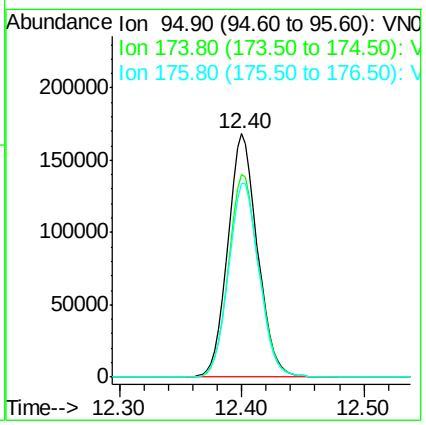


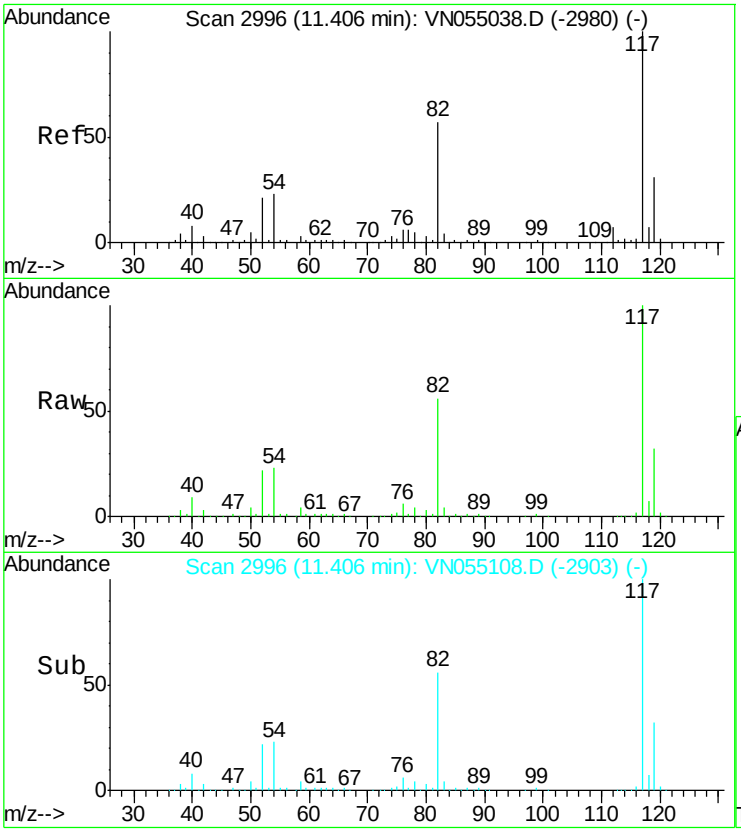




#62
4-Bromofluorobenzene
Concen: 46.384 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 95 Resp: 285137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.0 | 0.0 | 174.4 |
| 176 | 82.0 | 0.0 | 166.8 |



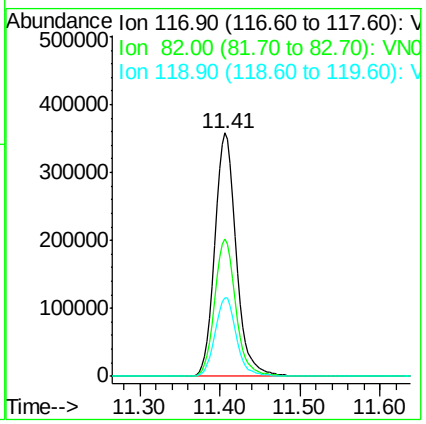


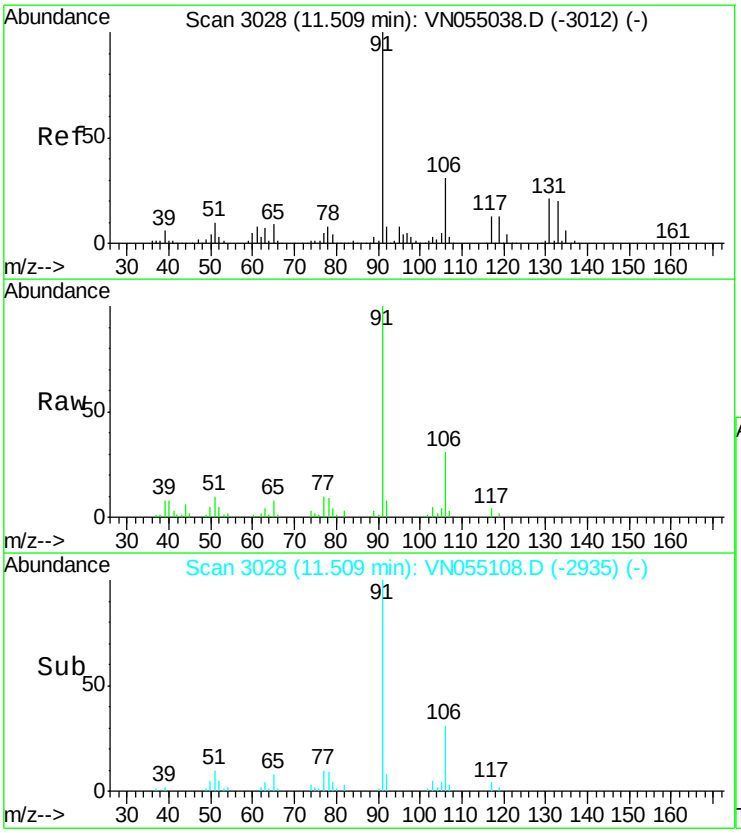

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Tgt Ion:117 Resp: 666534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.6 | 66.8 |
| 119 | 32.5 | 25.5 | 38.3 |

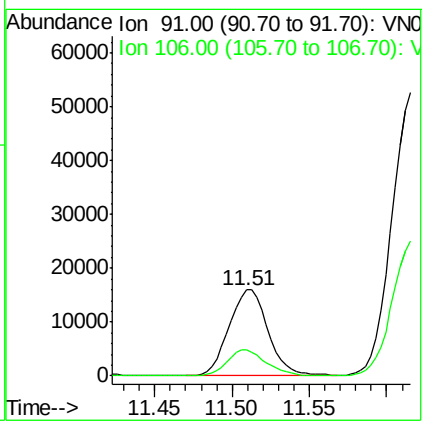


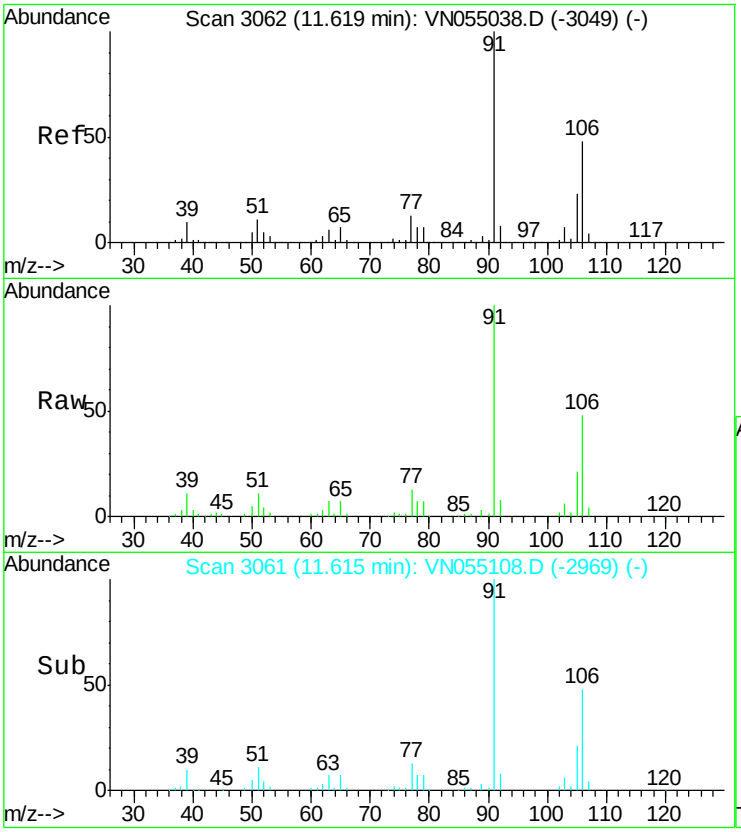




#67
Ethyl Benzene
Concen: 1.176 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion: 91 Resp: 28167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 24.3 | 36.5 |



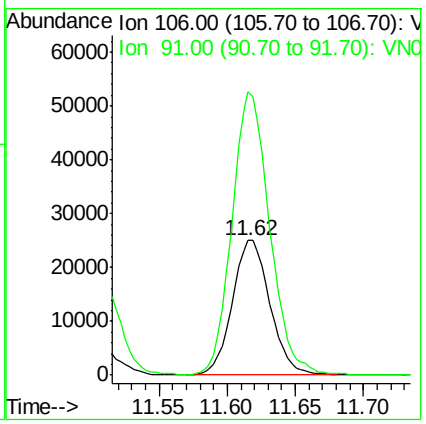


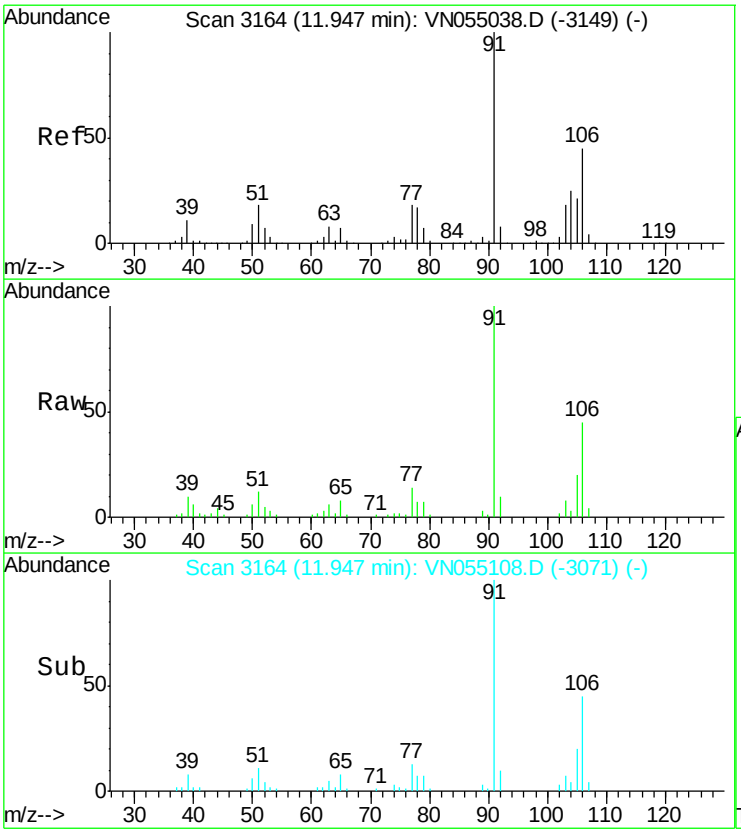

#68
m/p-Xylenes
Concen: 5.525 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :** MSVOA_N
**ClientSampleId :** TP-18-S

Tgt Ion:106 Resp: 47938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.8 | 165.9 | 248.9 |

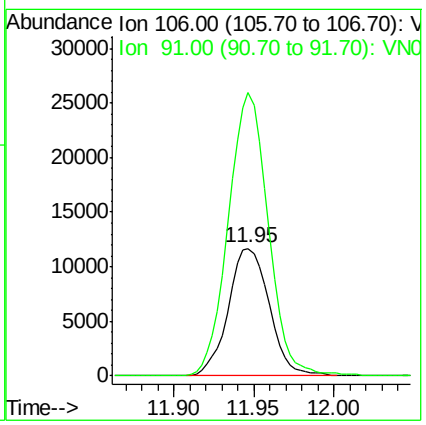


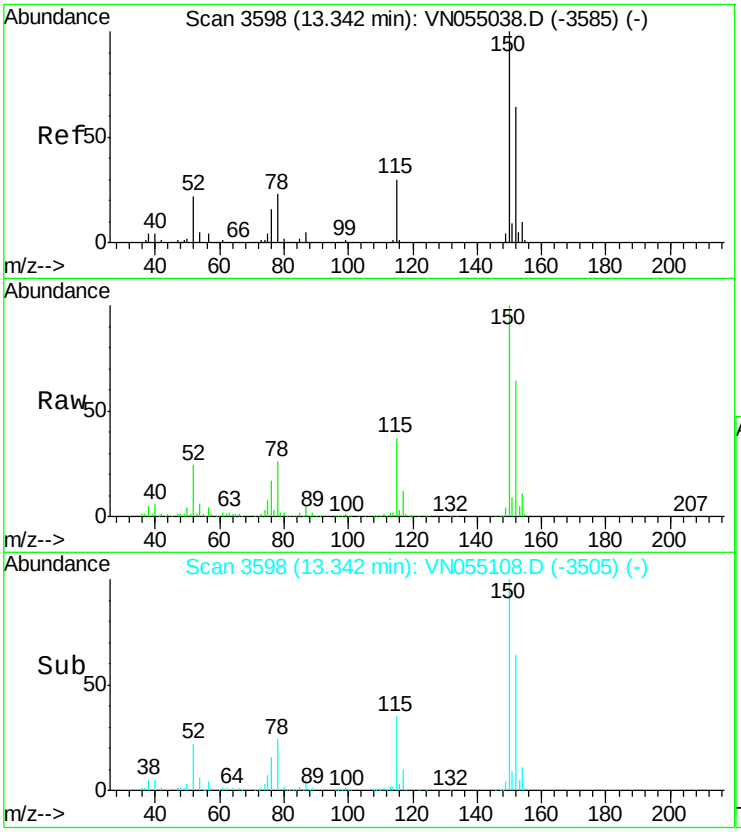




#69
o-Xylene
Concen: 2.424 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion:106 Resp: 20372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.0 | 109.9 | 329.8 |



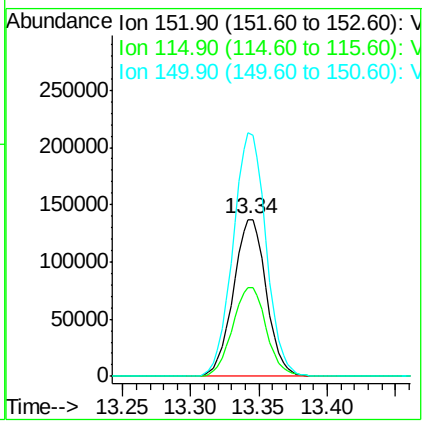


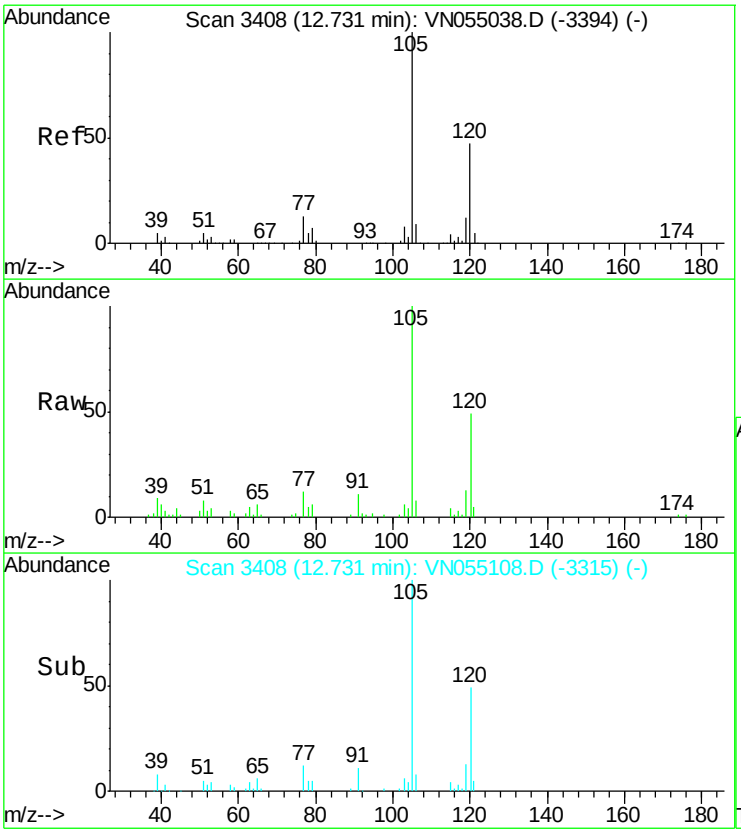

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :**
MSVOA_N
**ClientSampleId :**
TP-18-S

Tgt Ion:152 Resp: 229649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 28.5 | 85.6 |
| 150 | 155.6 | 0.0 | 347.2 |

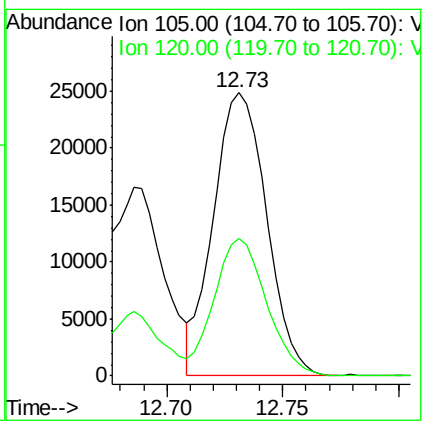


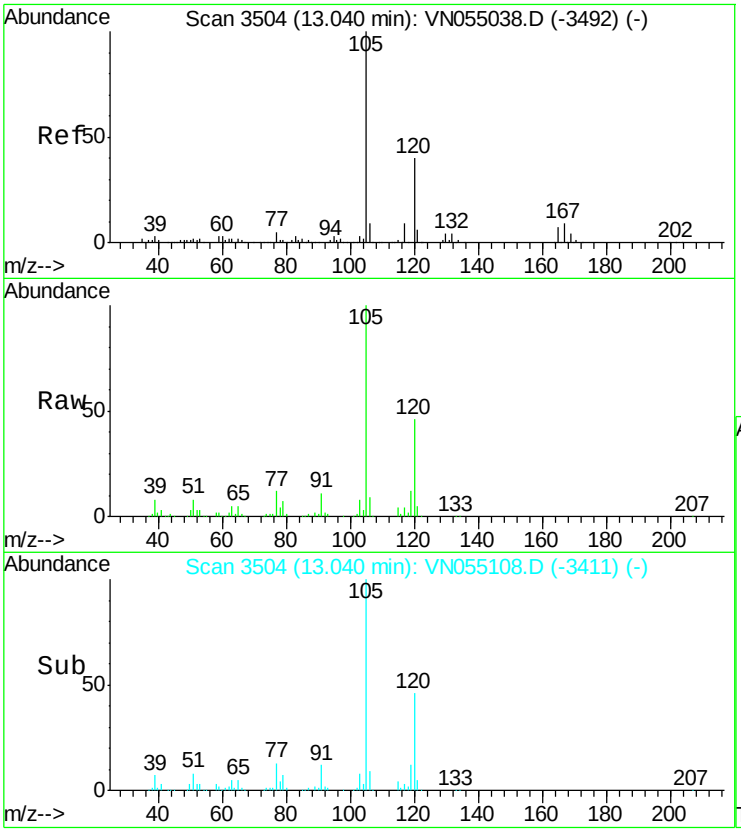




#80
1,3,5-Trimethylbenzene
Concen: 2.412 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion:105 Resp: 39672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.3 | 72.8 |



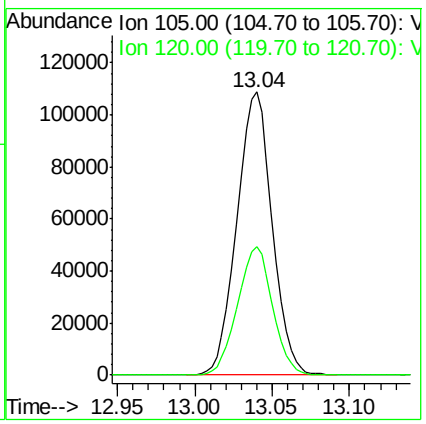


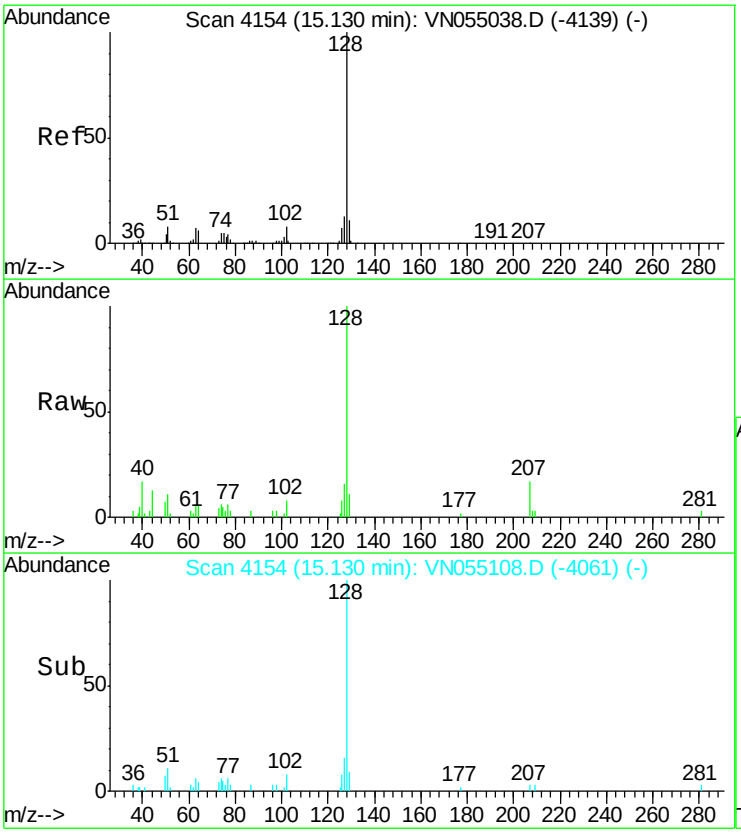

#84
1,2,4-Trimethylbenzene
Concen: 11.083 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

**Instrument :**
MSVOA_N
**ClientSampleId :**
TP-18-S

Tgt Ion:105 Resp: 172722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 22.4 | 67.3 |




#95
Naphthalene
Concen: 4.683 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055108.D
Acq: 17 Apr 2019 16:09

Tgt Ion:128 Resp: 14078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.1 | 15.1 |
| 129 | 10.8 | 8.8 | 13.2 |