Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040119\
Data File : VN054887.D
Acq On : 1 Apr 2019 20:46
Operator : JC/SP
Sample : K2212-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Quant Time: Apr 02 11:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 499893 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 838079 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 727731 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 273127 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 335989 | 49.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.72% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 265426 | 47.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.00% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1008531 | 48.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.10% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 322867 | 46.73 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.46% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 22) Diisopropyl ether | 5.96 | 45 | 16269 | 0.850 | ug/l # | 84 |
| 39) Methylcyclohexane | 9.07 | 83 | 2872 | 0.335 | ug/l # | 88 |
| 40) Benzene | 8.04 | 78 | 234765 | 10.506 | ug/l | 98 |
| 52) Toluene | 10.16 | 92 | 30531 | 2.296 | ug/l | 100 |
| 67) Ethyl Benzene | 11.51 | 91 | 230110 | 8.950 | ug/l | 97 |
| 68) m/p-Xylenes | 11.62 | 106 | 100237 | 10.535 | ug/l | 96 |
| 69) o-Xylene | 11.95 | 106 | 37191 | 3.986 | ug/l | 95 |
| 73) Isopropylbenzene | 12.25 | 105 | 21336 | 0.956 | ug/l | 99 |
| 78) n-propylbenzene | 12.59 | 91 | 17510 | 0.714 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 30186 | 1.648 | ug/l | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 128518 | 7.364 | ug/l | 97 |
| 95) Naphthalene | 15.13 | 128 | 24489 | 2.488 | ug/l | 100 |

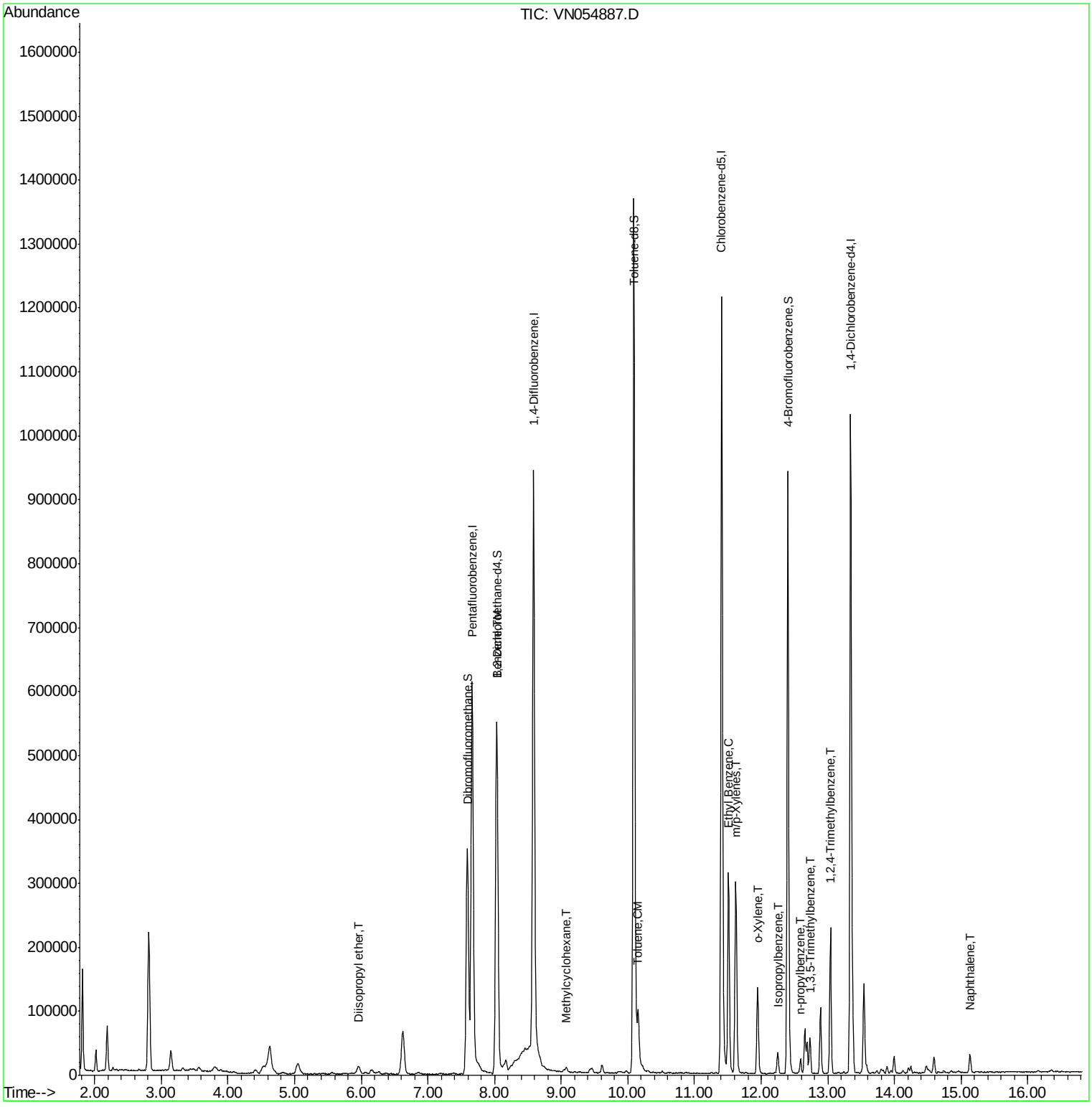
(#) = qualifier out of range (m) = manual integration (+) = signals summed

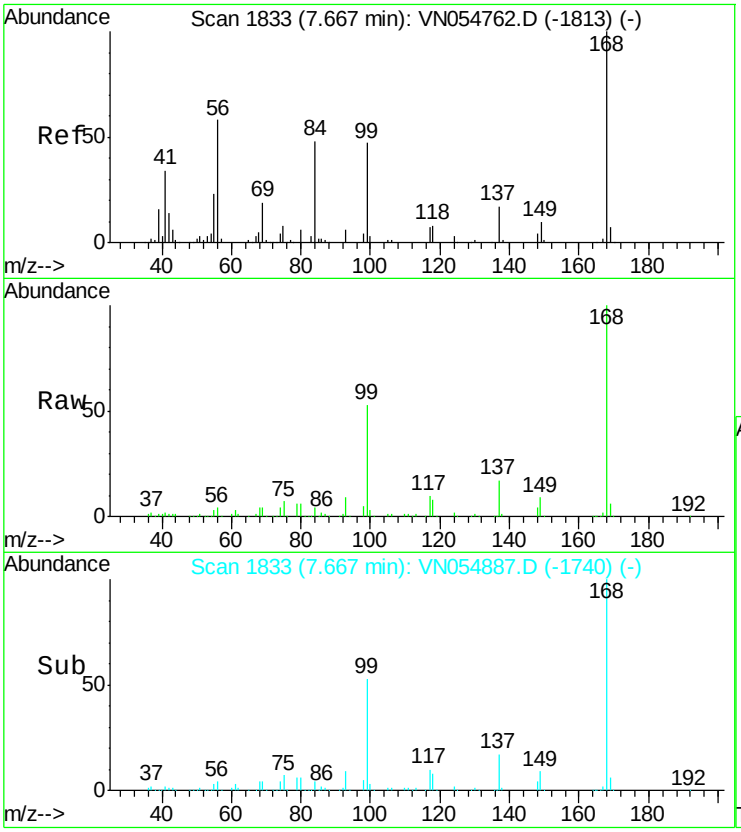
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040119\
Data File : VN054887.D
Acq On : 1 Apr 2019 20:46
Operator : JC/SP
Sample : K2212-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Quant Time: Apr 02 11:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration



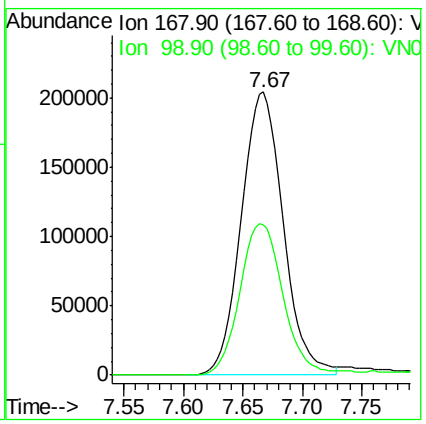


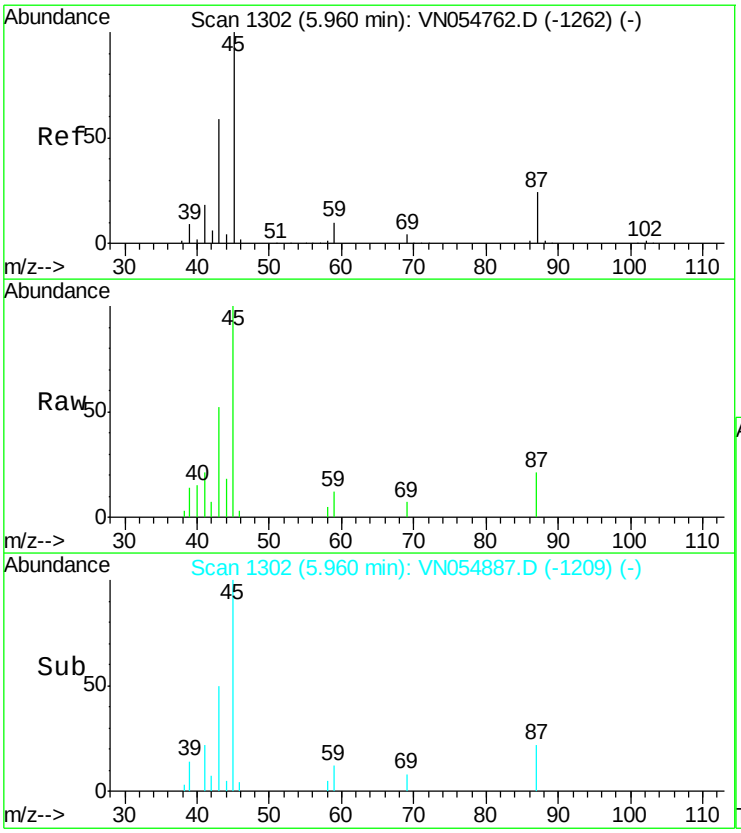

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion:168 Resp: 499893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.3 | 37.1 | 55.7 |

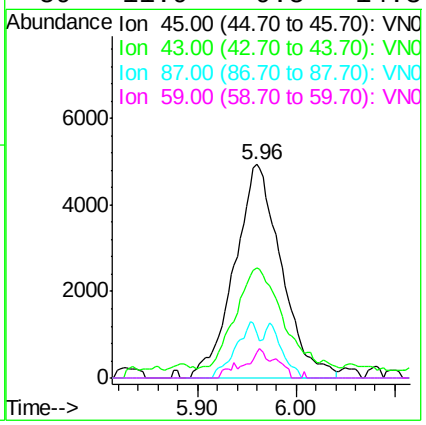


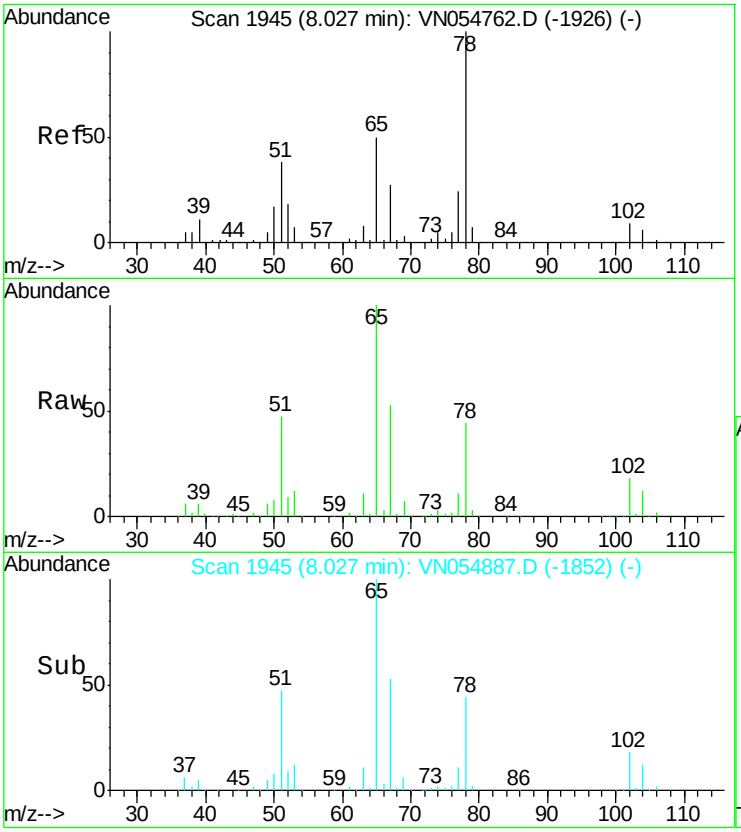




#22
Diisopropyl ether
Concen: 0.850 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 45 Resp: 16269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 46.1 | 48.2 | 72.2# |
| 87 | 20.9 | 24.9 | 37.3# |
| 59 | 11.9 | 9.5 | 14.3 |



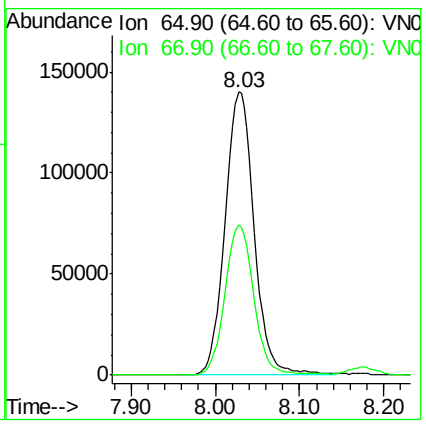


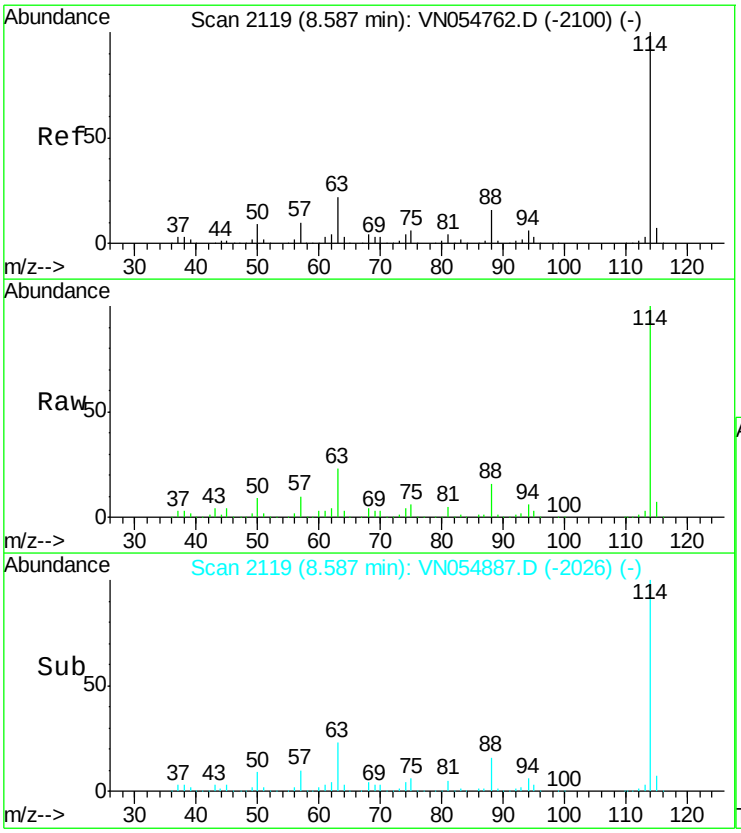

#33
1,2-Dichloroethane-d4
Concen: 49.860 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion: 65 Resp: 335989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 104.6 |

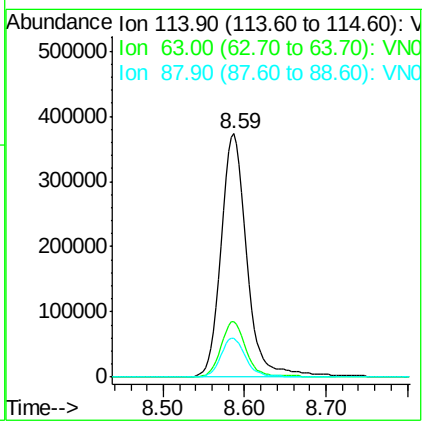


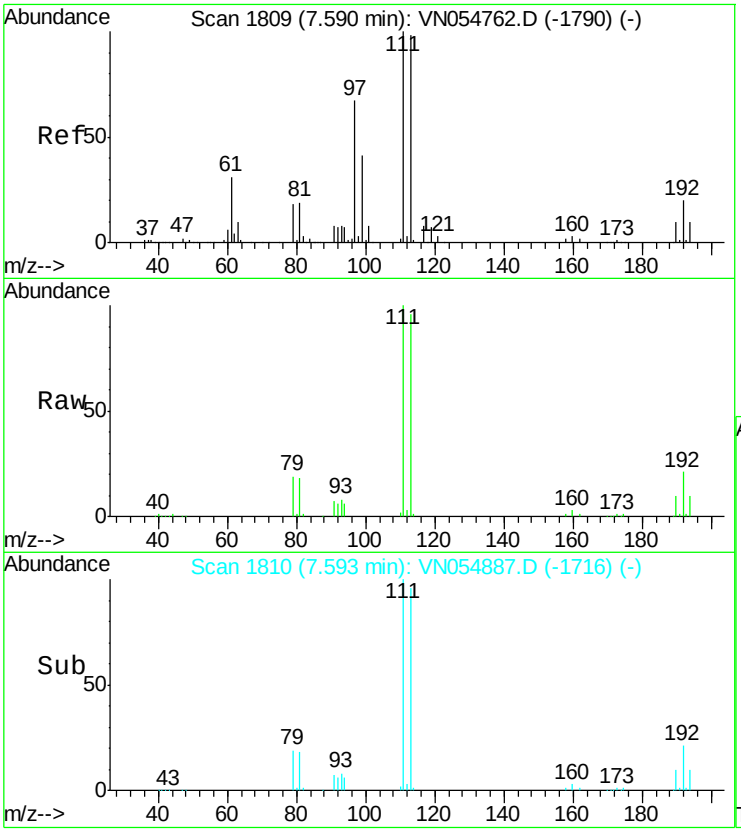




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:114 Resp: 838079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 35.2 |
| 88 | 16.0 | 0.0 | 30.2 |



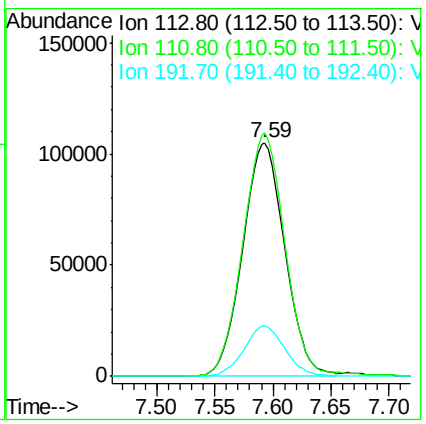


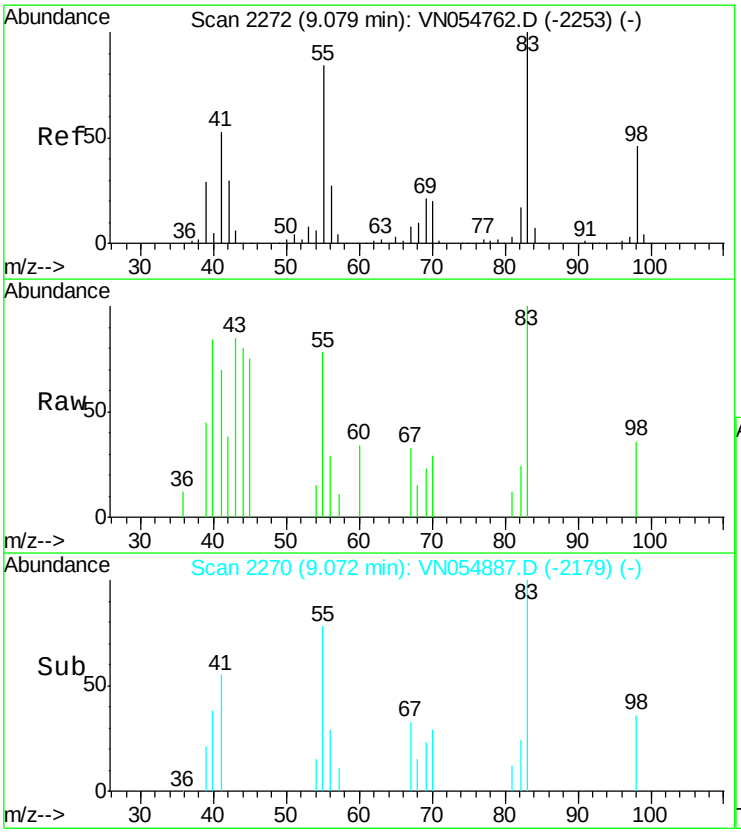

#35
Dibromofluoromethane
Concen: 47.504 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion:113 Resp: 265426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.5 | 82.2 | 123.4 |
| 192 | 21.2 | 19.2 | 28.8 |

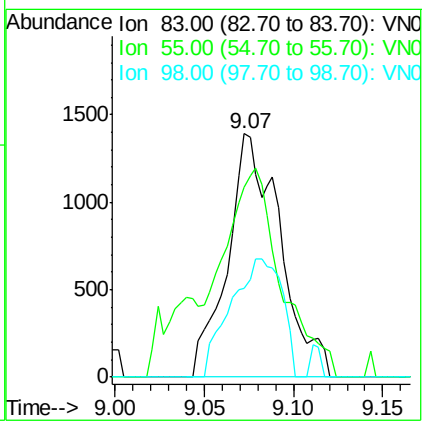


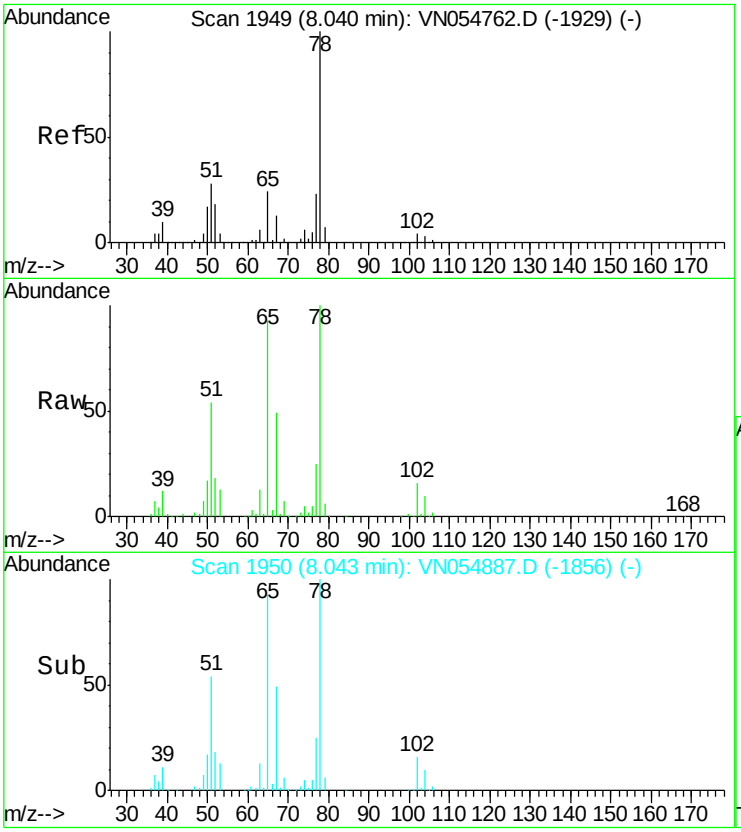




#39
Methylcyclohexane
Concen: 0.335 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 83 Resp: 2872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.2 | 56.6 | 84.8 |
| 98 | 36.2 | 38.4 | 57.6# |



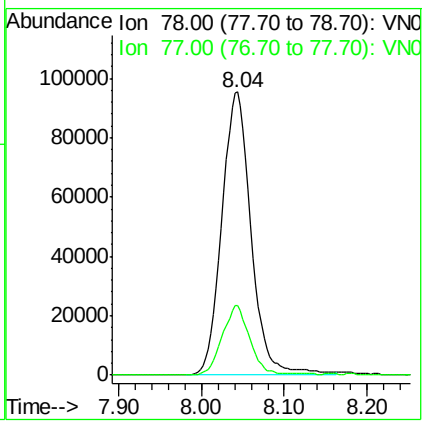


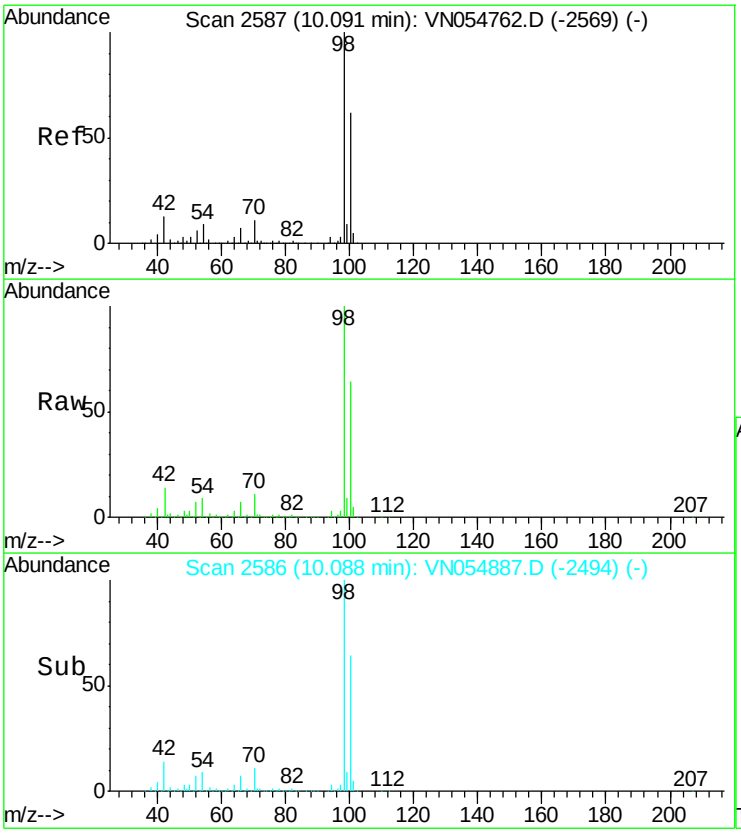

#40
Benzene
Concen: 10.506 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion: 78 Resp: 234765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.1 | 28.7 |

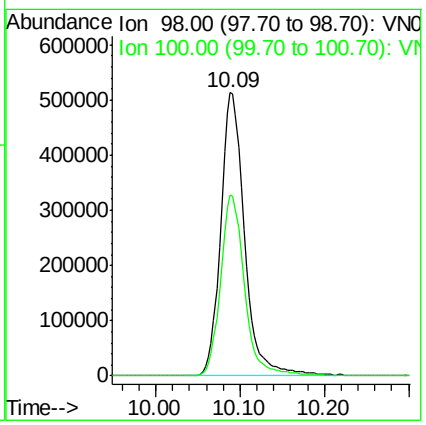


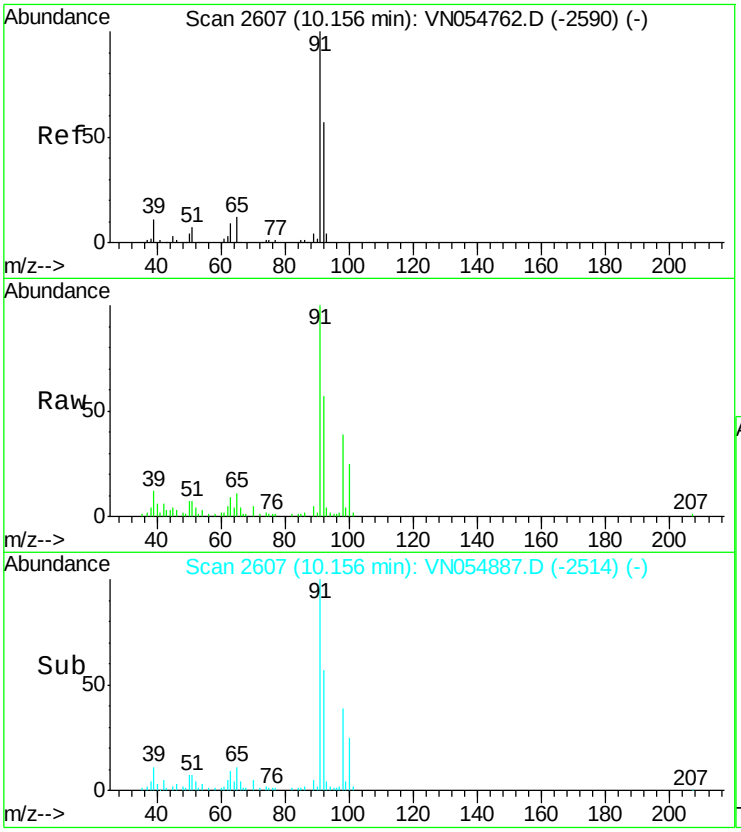




#50
Toluene-d8
Concen: 48.551 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 98 Resp: 1008531

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



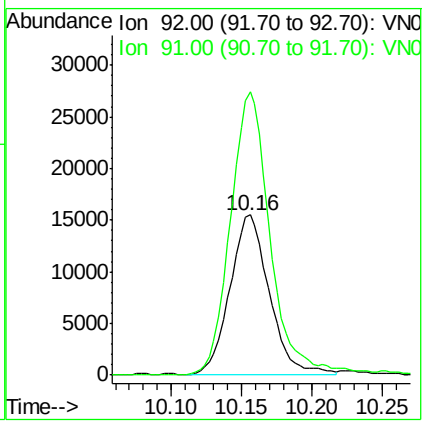


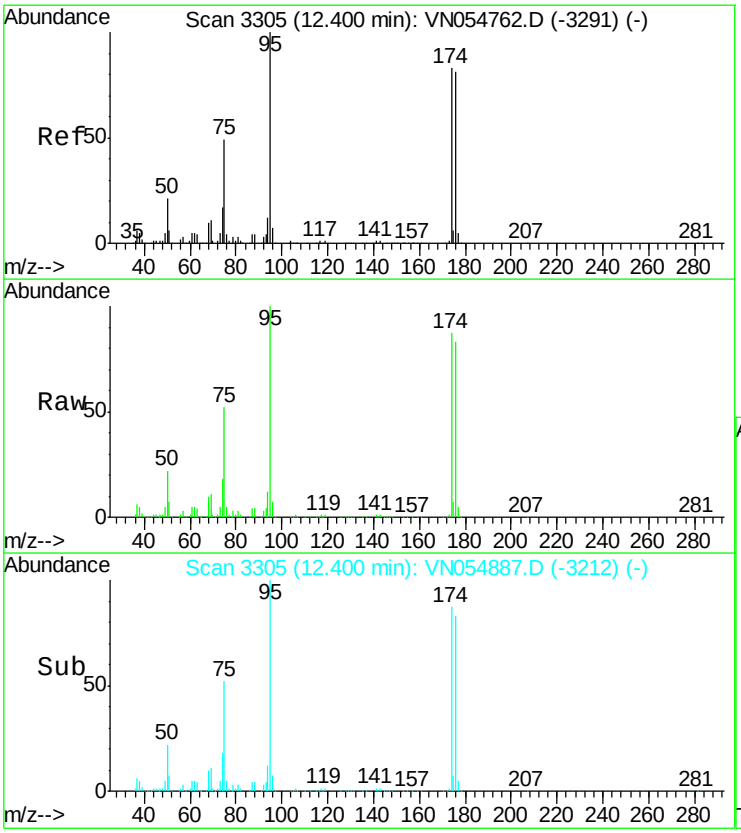

#52
Toluene
Concen: 2.296 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion: 92 Resp: 30531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.6 | 140.7 | 211.1 |

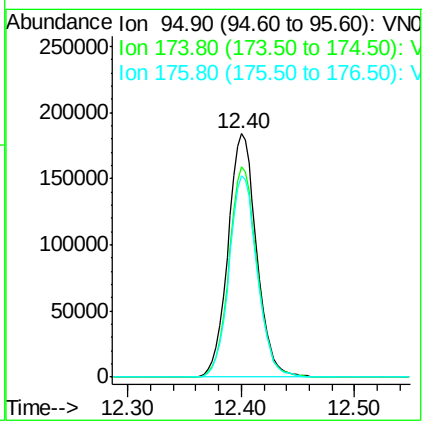


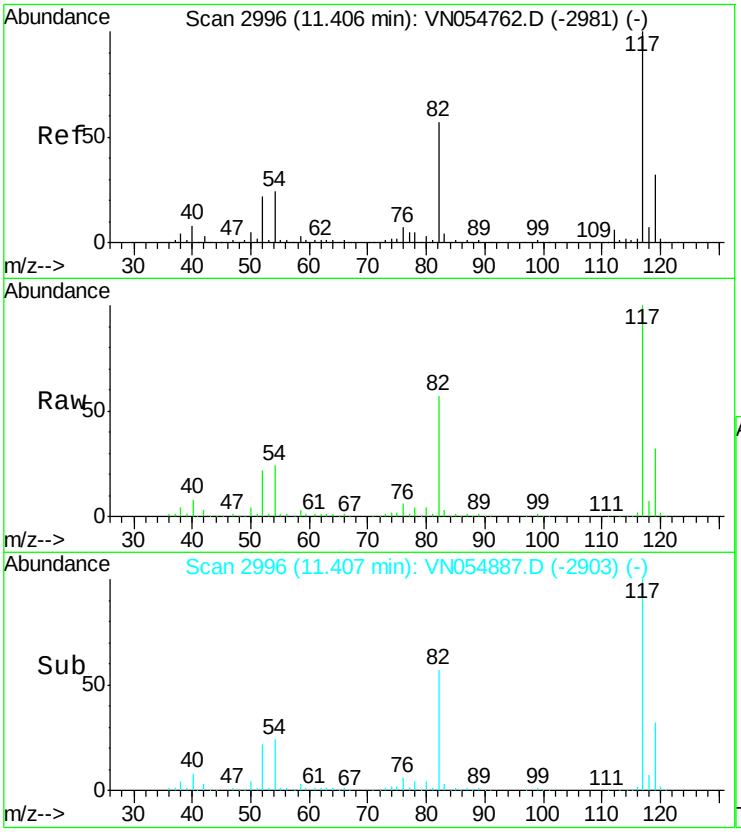




#62
4-Bromofluorobenzene
Concen: 46.735 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 95 Resp: 322867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.9 | 0.0 | 191.0 |
| 176 | 81.3 | 0.0 | 187.4 |



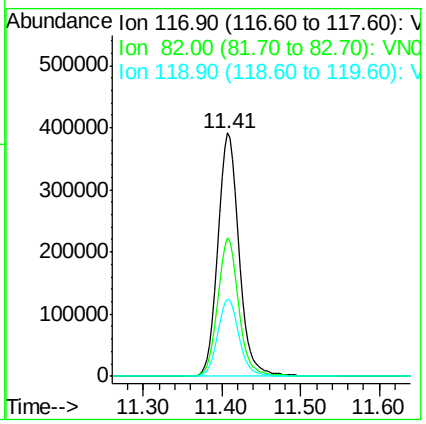


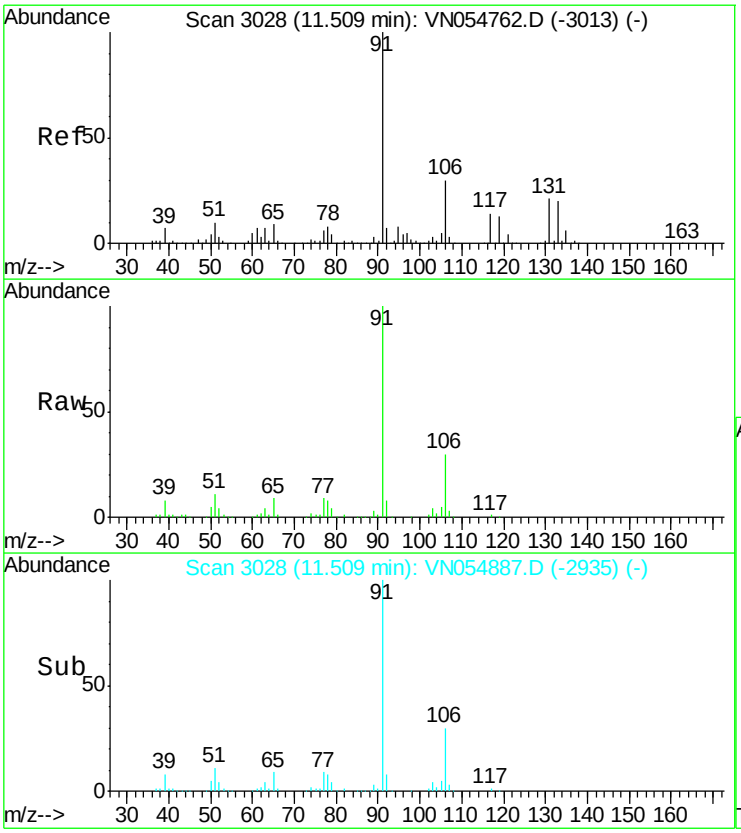

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Tgt Ion:117 Resp: 727731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 40.0 | 60.0 |
| 119 | 31.8 | 25.8 | 38.6 |

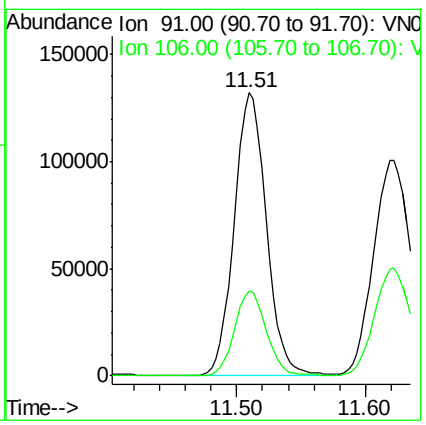


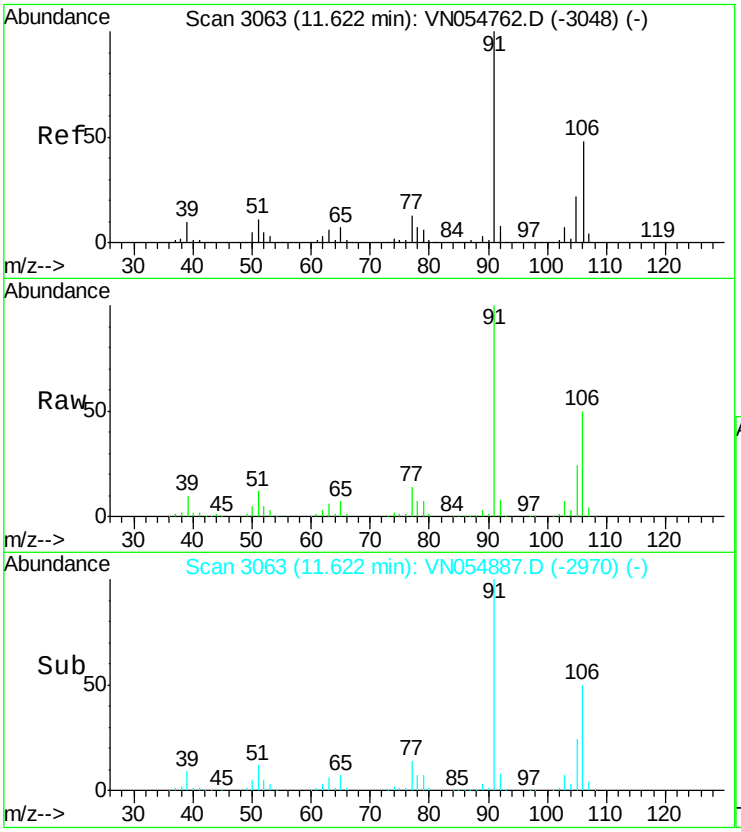




#67
Ethyl Benzene
Concen: 8.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion: 91 Resp: 230110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.2 | 25.5 | 38.3 |



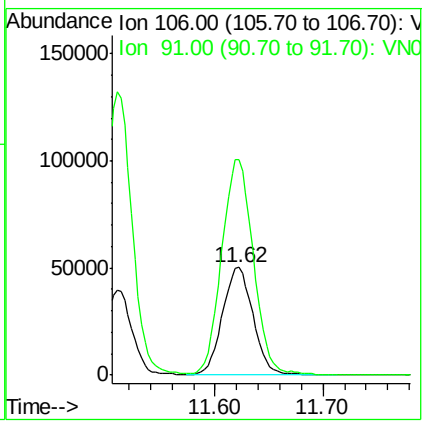


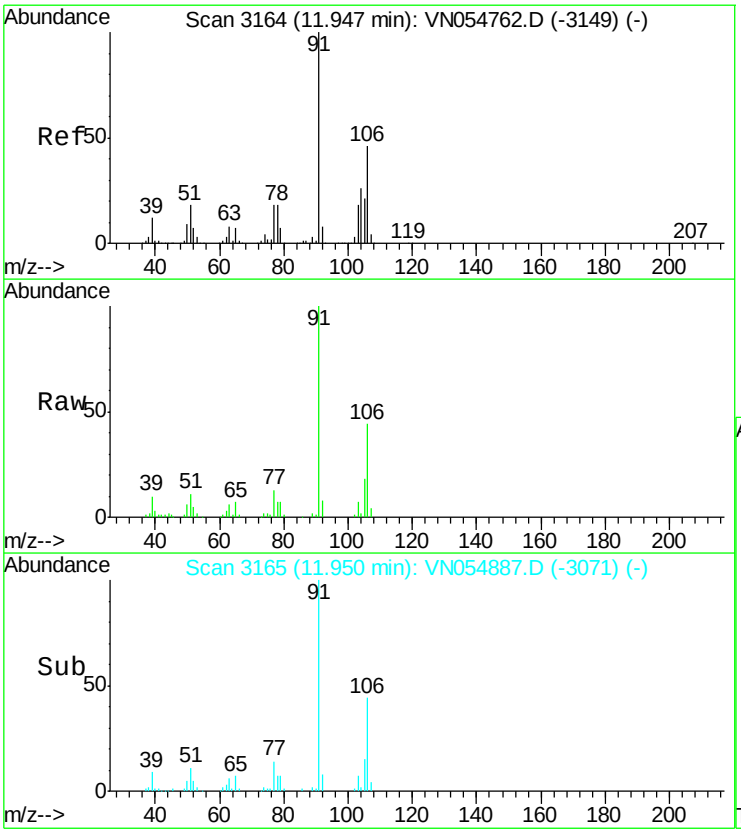

#68
m/p-Xylenes
Concen: 10.535 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Tgt Ion:106 Resp: 100237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.3 | 159.4 | 239.2 |

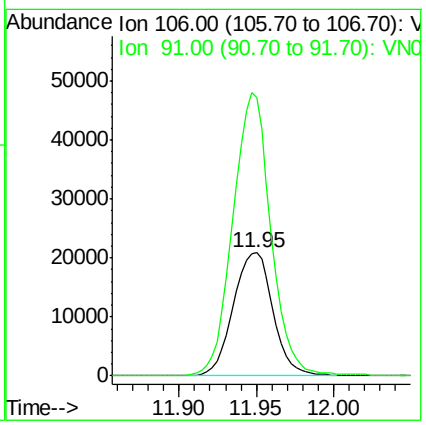


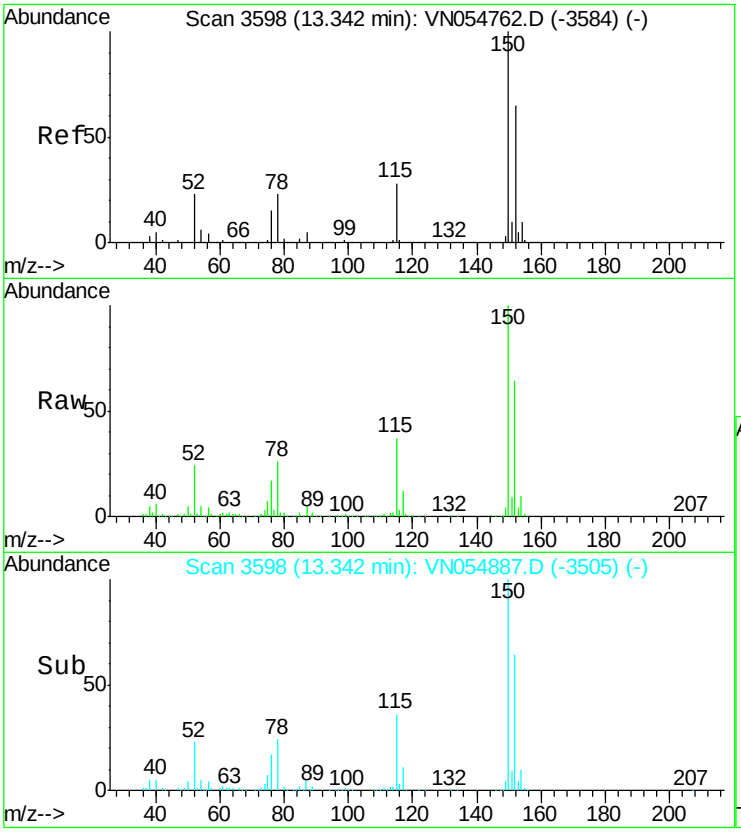




#69
o-Xylene
Concen: 3.986 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:106 Resp: 37191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.5 | 105.7 | 317.1 |



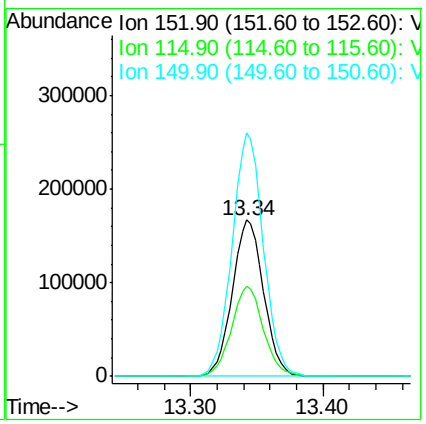


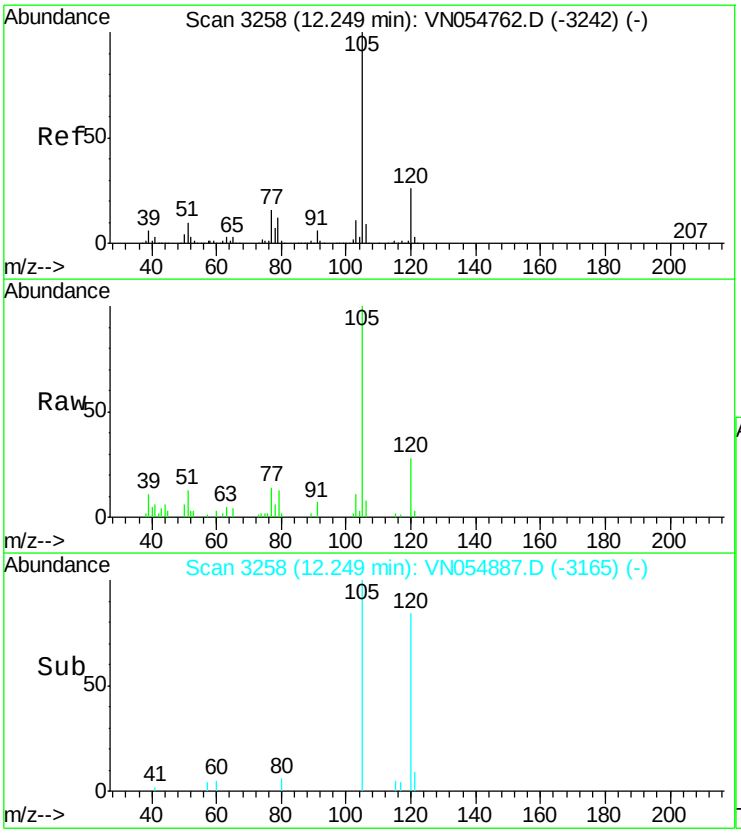

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Tgt Ion:152 Resp: 273127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.9 | 27.2 | 81.6 |
| 150 | 155.5 | 0.0 | 349.2 |

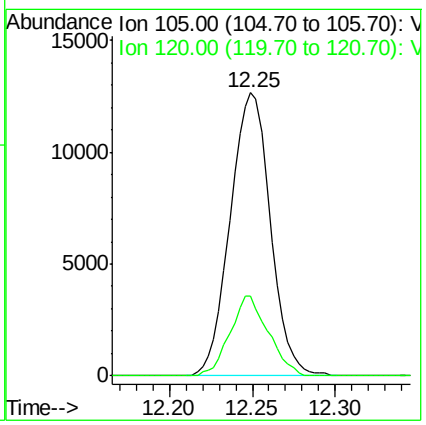


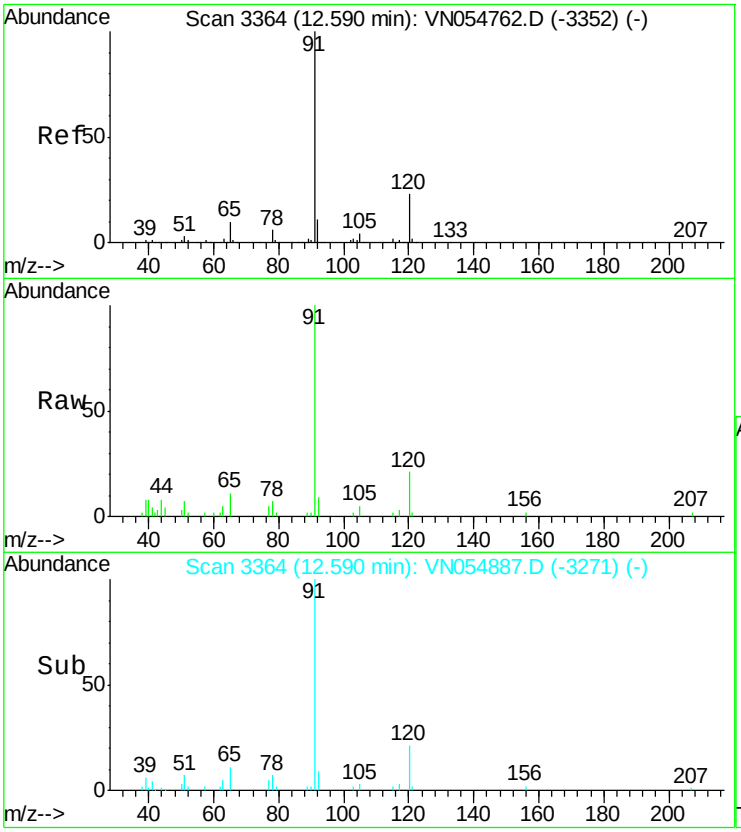




#73
Isopropylbenzene
Concen: 0.956 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:105 Resp: 21336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 13.8 | 41.3 |



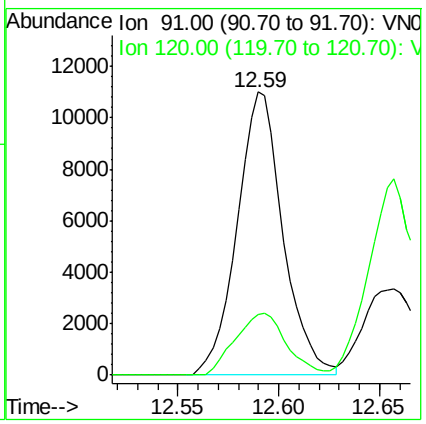


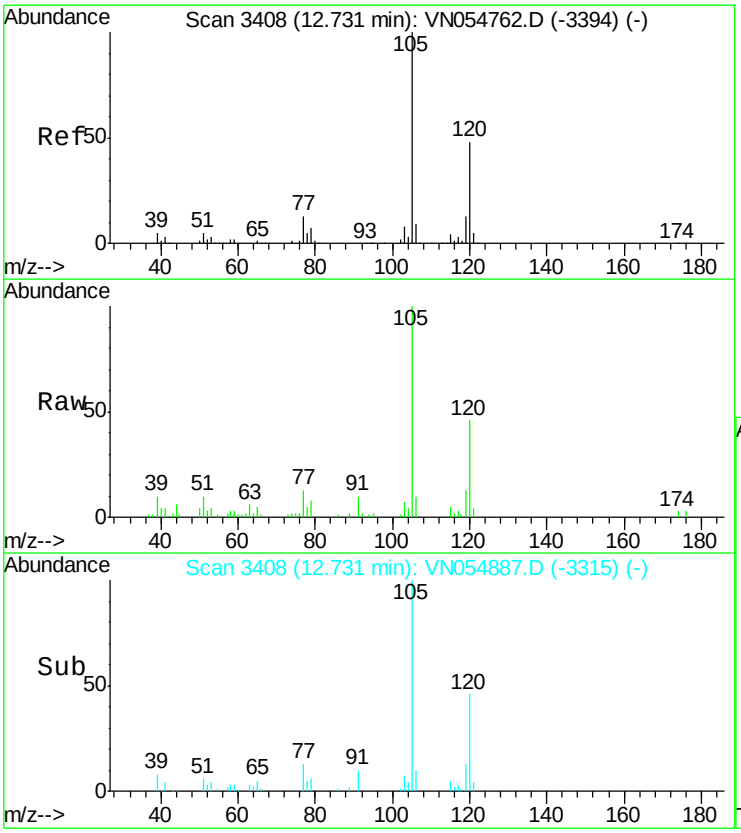

#78
n-propylbenzene
Concen: 0.714 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :** MSVOA_N
**ClientSampleId :** MW-4

Tgt Ion: 91 Resp: 17510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 24.3 | 12.3 | 36.9 |

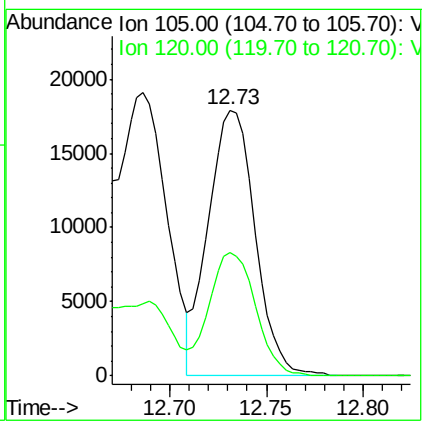


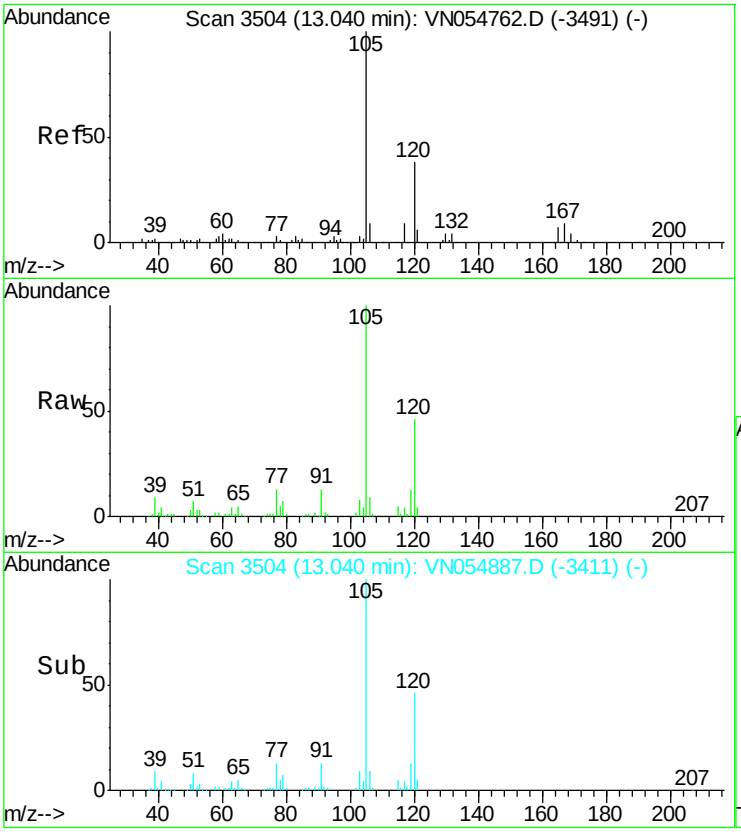




#80
1,3,5-Trimethylbenzene
Concen: 1.648 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:105 Resp: 30186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 25.0 | 75.0 |



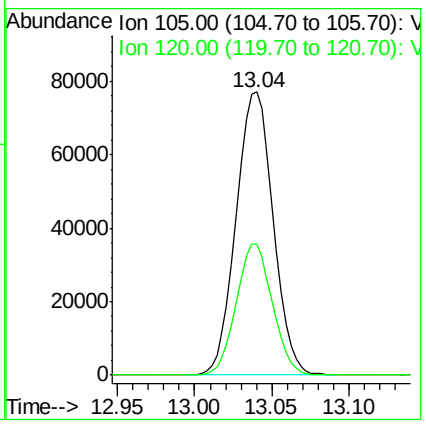


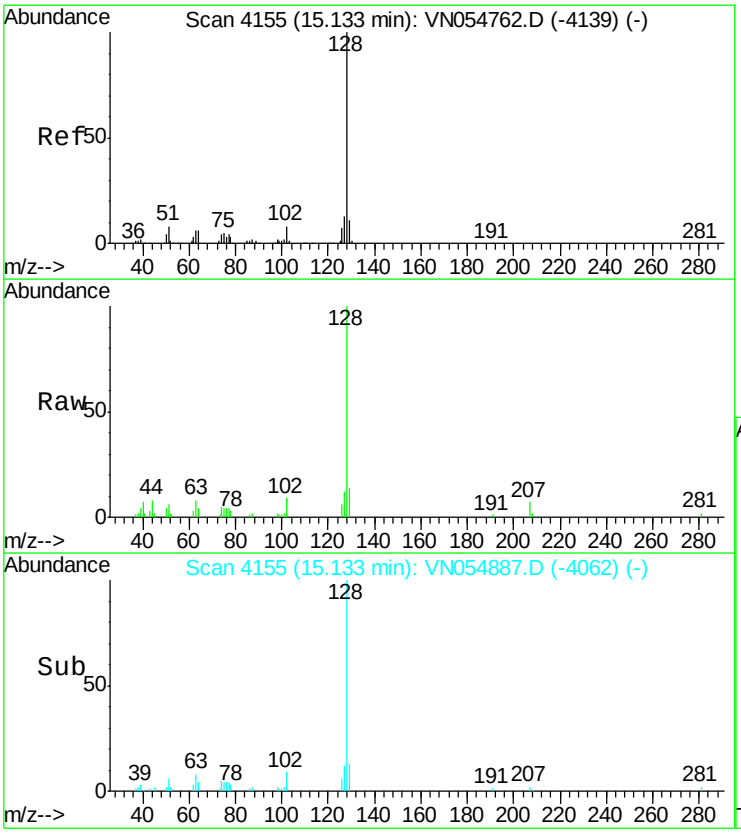

#84
1,2,4-Trimethylbenzene
Concen: 7.364 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-4

Tgt Ion:105 Resp: 128518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 23.4 | 70.3 |




#95
Naphthalene
Concen: 2.488 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054887.D
Acq: 1 Apr 2019 20:46

Tgt Ion:128 Resp: 24489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 10.1 | 15.1 |
| 129 | 11.0 | 8.7 | 13.1 |