Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121318\
Data File : VN052867.D
Acq On : 13 Dec 2018 16:28
Operator : MD\SY
Sample : J6319-05DL 10X
Misc : 5.67g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 17 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** 059_BT-3-1DL

Quant Time: Dec 14 09:07:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 1288276 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 1955096 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 1751561 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 797247 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 634728 | 46.34 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.68% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 542498 | 49.71 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.42% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 2509797 | 53.04 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.08% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 862879 | 53.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.64% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 31) Cyclohexane | 7.65 | 56 | 398224 | 16.770 | ug/l | 93 |
| 39) Methylcyclohexane | 9.08 | 83 | 1312219 | 59.393 | ug/l | 99 |
| 73) Isopropylbenzene | 12.25 | 105 | 176864 | 2.971 | ug/l | 100 |
| 78) n-propylbenzene | 12.59 | 91 | 487563 | 7.182 | ug/l | 99 |
| 85) sec-Butylbenzene | 13.17 | 105 | 99428 | 1.732 | ug/l # | 50 |
| 89) n-Butylbenzene | 13.62 | 91 | 165942 | 3.963 | ug/l # | 78 |

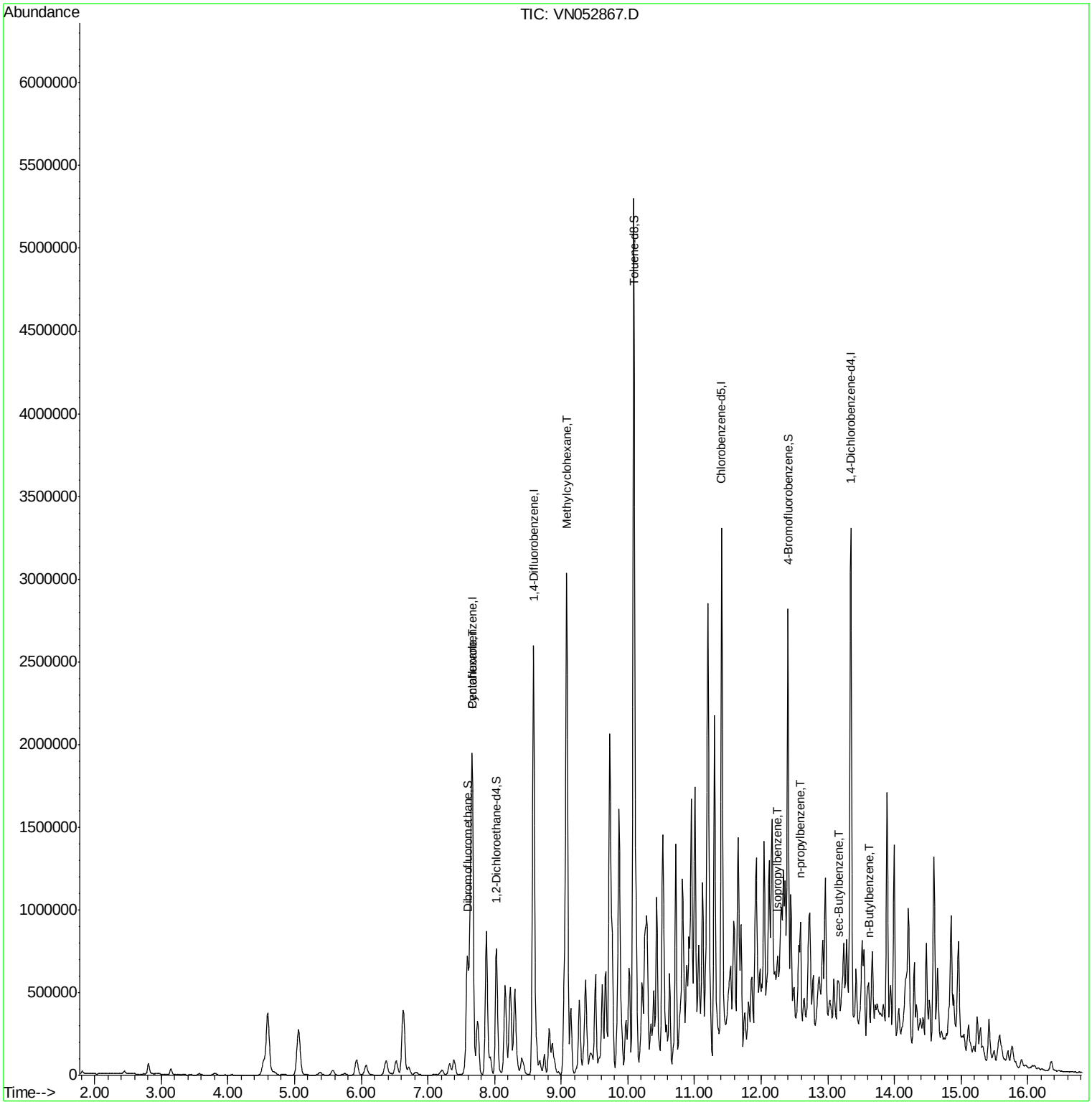
(#) = qualifier out of range (m) = manual integration (+) = signals summed

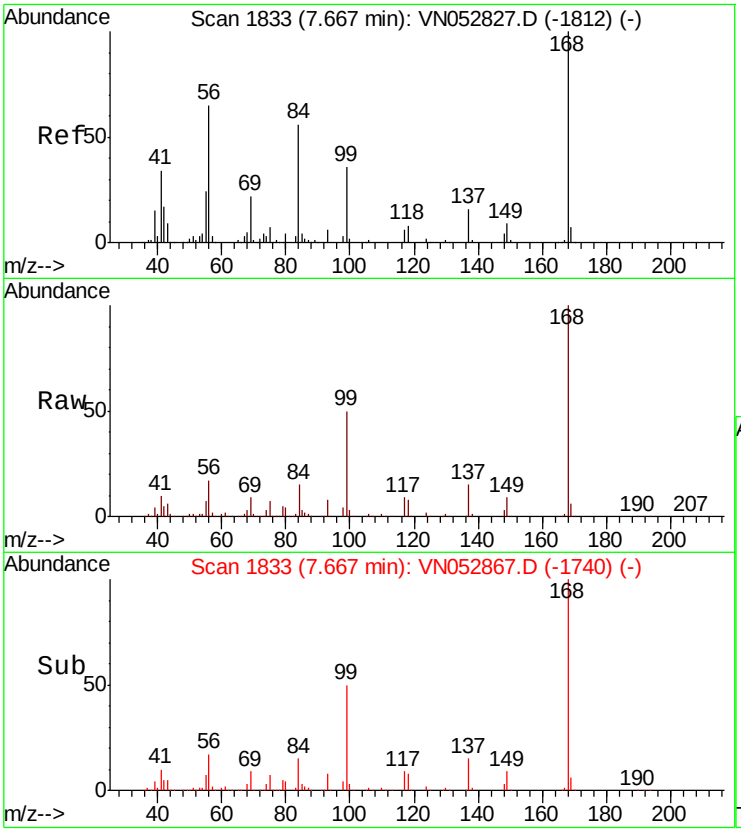
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121318\
Data File : VN052867.D
Acq On : 13 Dec 2018 16:28
Operator : MD\SY
Sample : J6319-05DL 10X
Misc : 5.67g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 17 Sample Multiplier: 28

**Instrument :**
MSVOA_N
**ClientSampleId :**
059_BT-3-1DL

Quant Time: Dec 14 09:07:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration



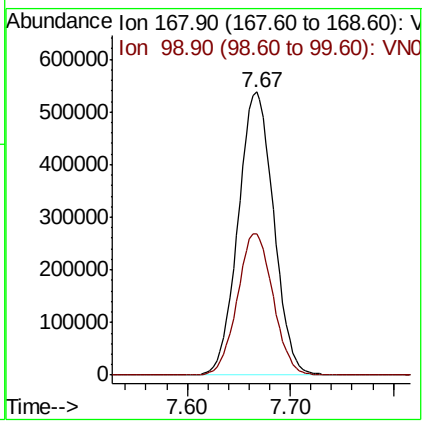


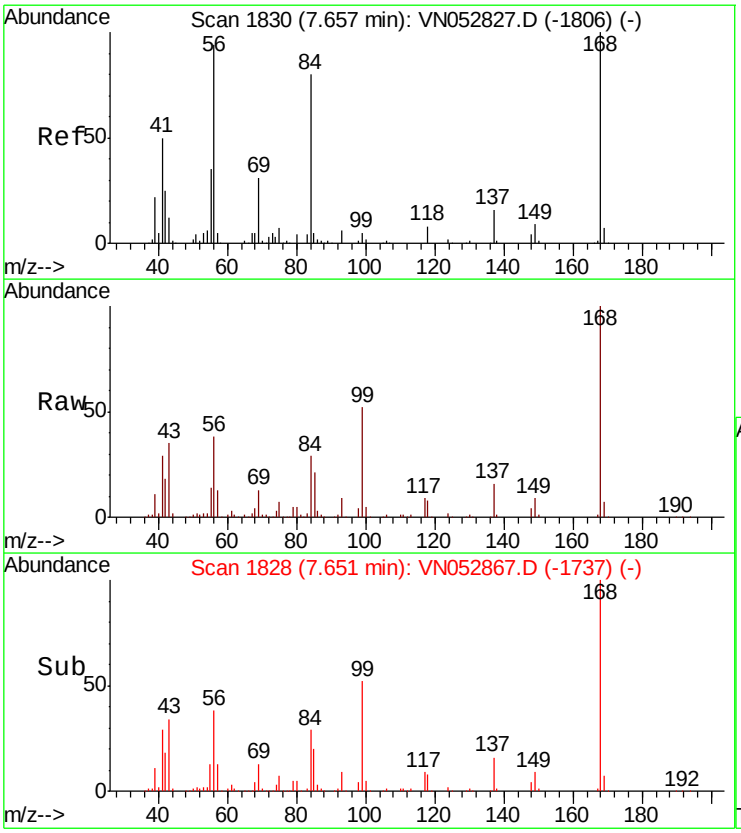

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
059_BT-3-1DL

Tgt Ion:168 Resp: 1288276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.0 | 40.2 | 60.2 |

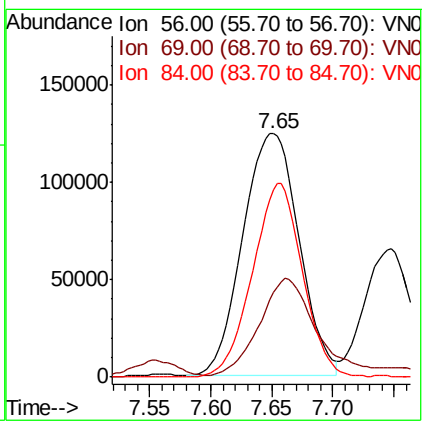


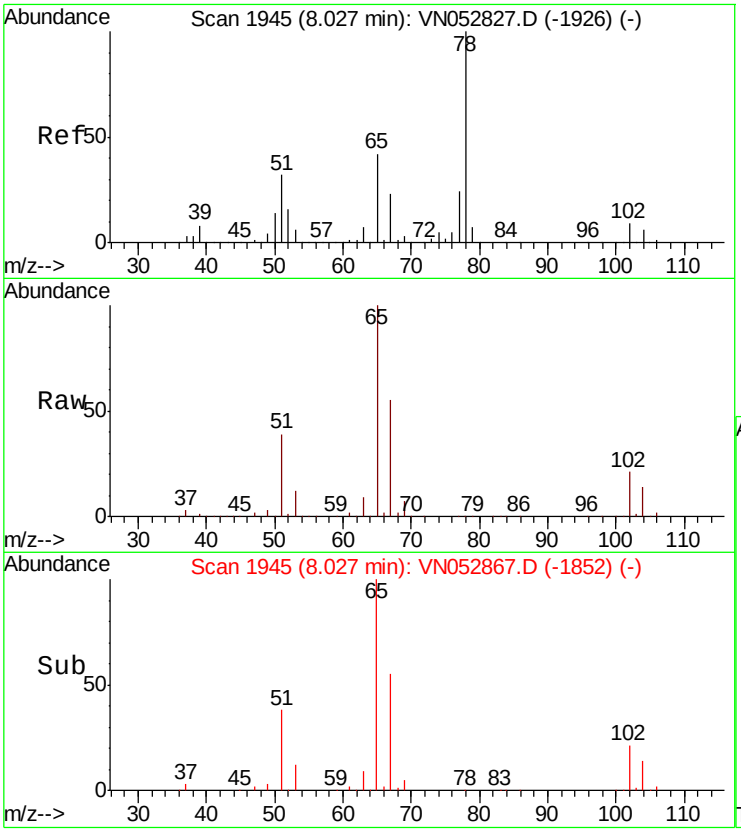




#31
Cyclohexane
Concen: 16.770 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 56 Resp: 398224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.6 | 26.6 | 39.8 |
| 84 | 77.4 | 68.4 | 102.6 |



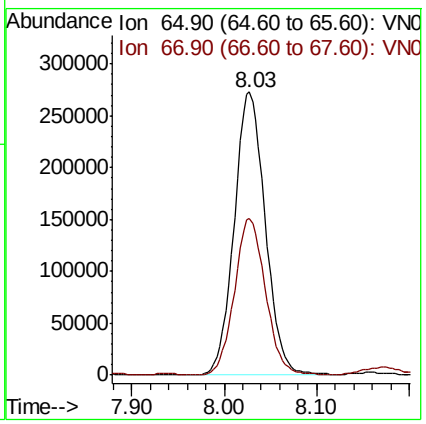


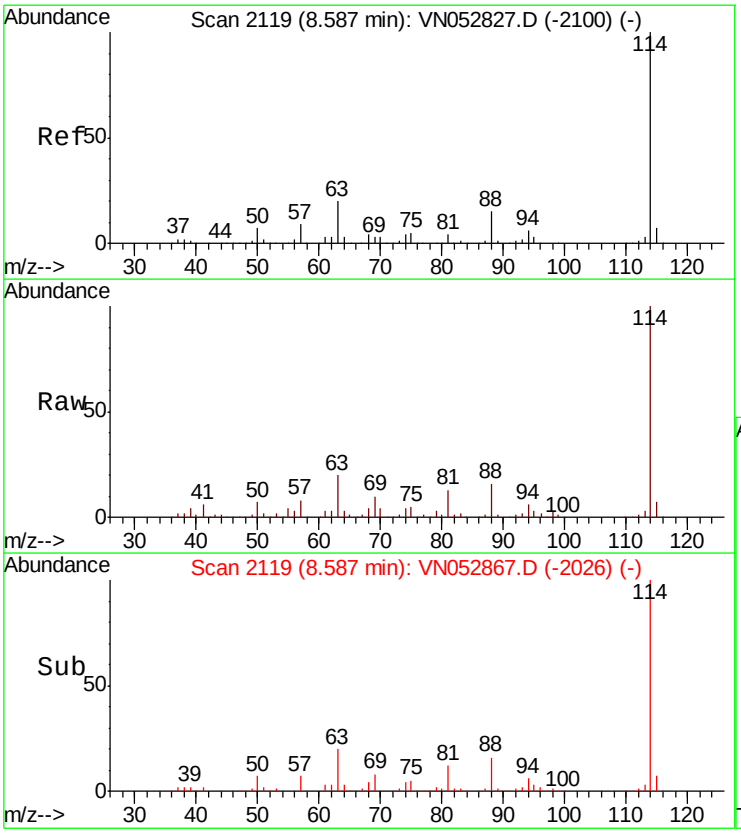

#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
059_BT-3-1DL

Tgt Ion: 65 Resp: 634728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.0 | 0.0 | 110.4 |

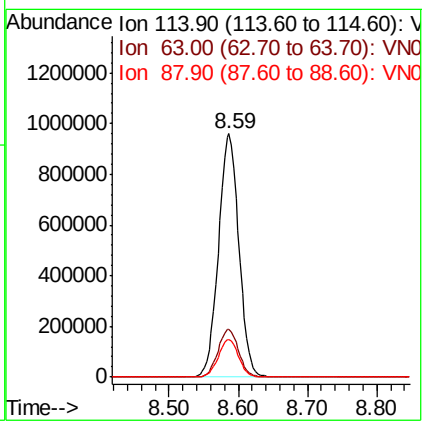


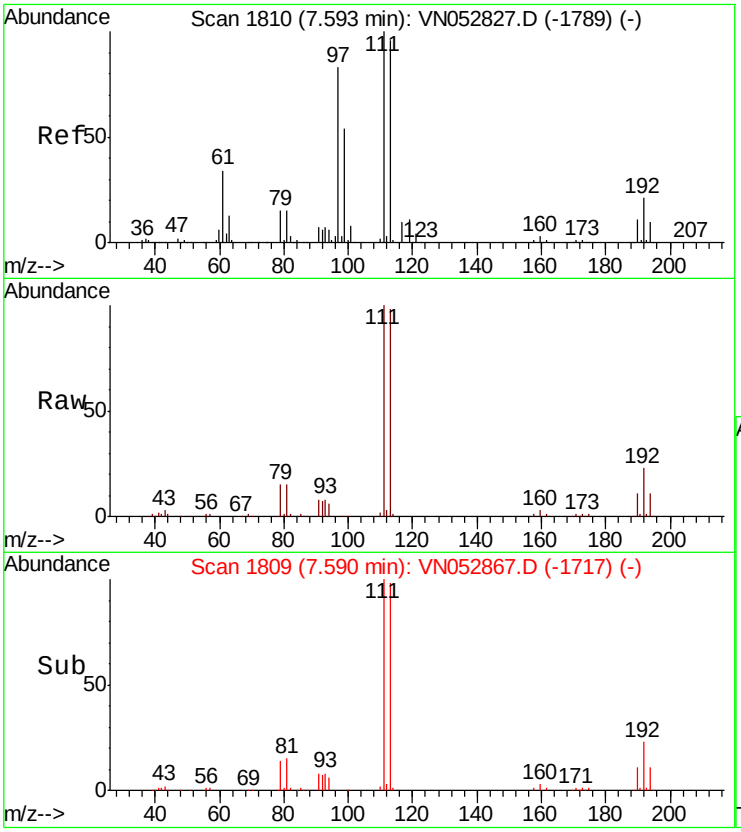




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion:114 Resp: 1955096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 39.8 |
| 88 | 15.6 | 0.0 | 31.0 |



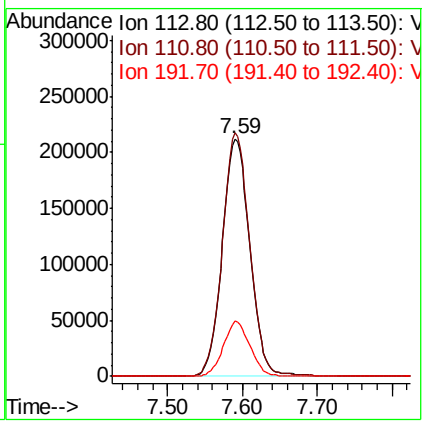


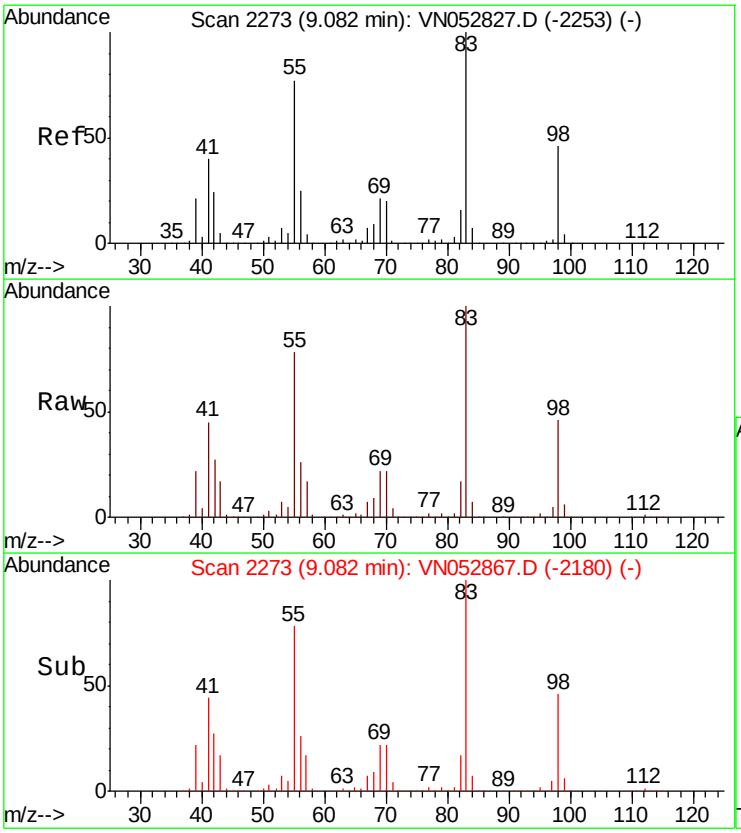

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :** MSVOA_N
**ClientSampleId :** 059_BT-3-1DL

Tgt Ion:113 Resp: 542498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 83.0 | 124.4 |
| 192 | 22.3 | 17.5 | 26.3 |

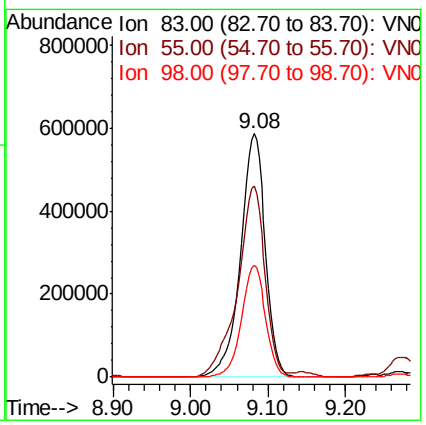


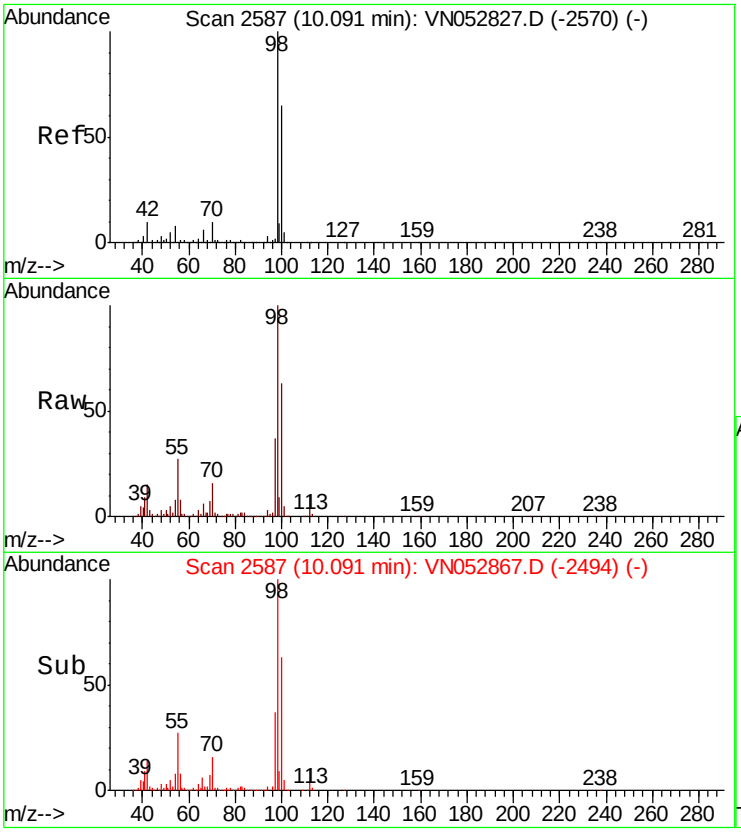




#39
Methylcyclohexane
Concen: 59.393 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 83 Resp: 1312219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.4 | 61.3 | 91.9 |
| 98 | 46.1 | 37.0 | 55.4 |



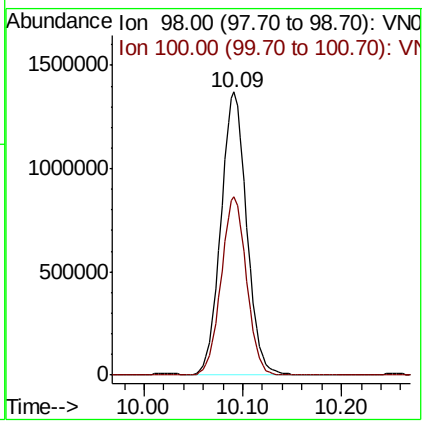


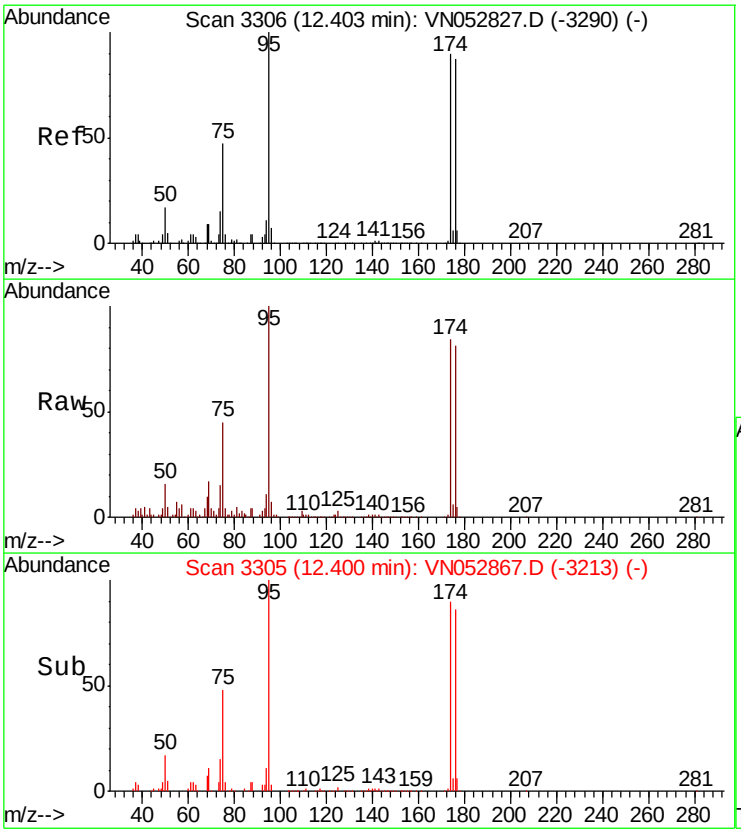

#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :** MSVOA_N
**ClientSampleId :** 059_BT-3-1DL

Tgt Ion: 98 Resp: 2509797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.0 | 51.6 | 77.4 |

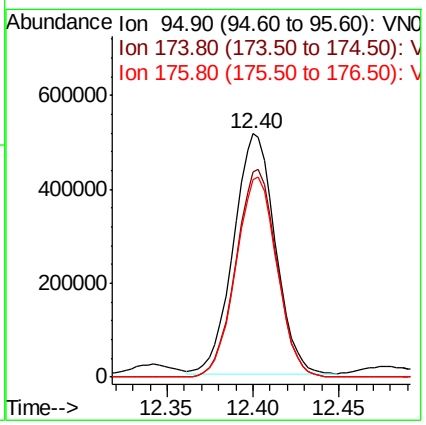


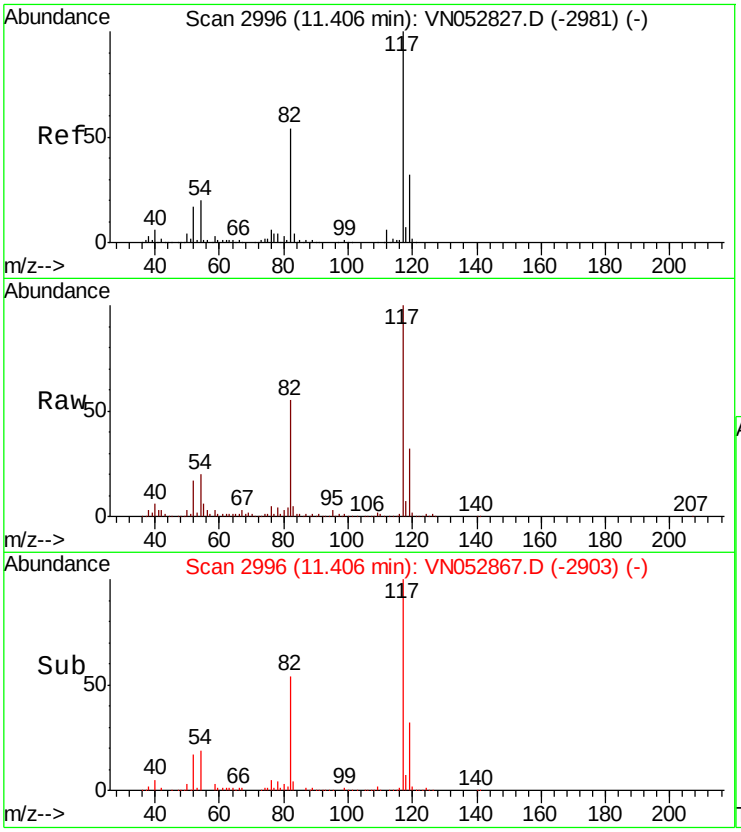




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 95 Resp: 862879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.0 | 0.0 | 178.8 |
| 176 | 82.3 | 0.0 | 173.8 |



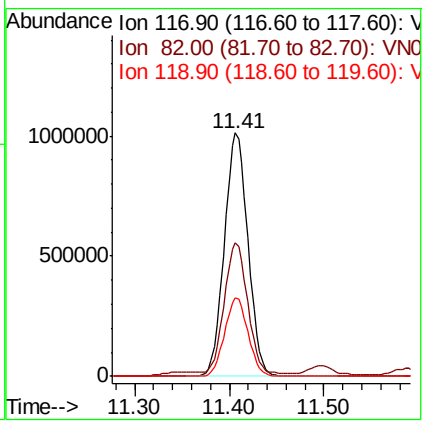


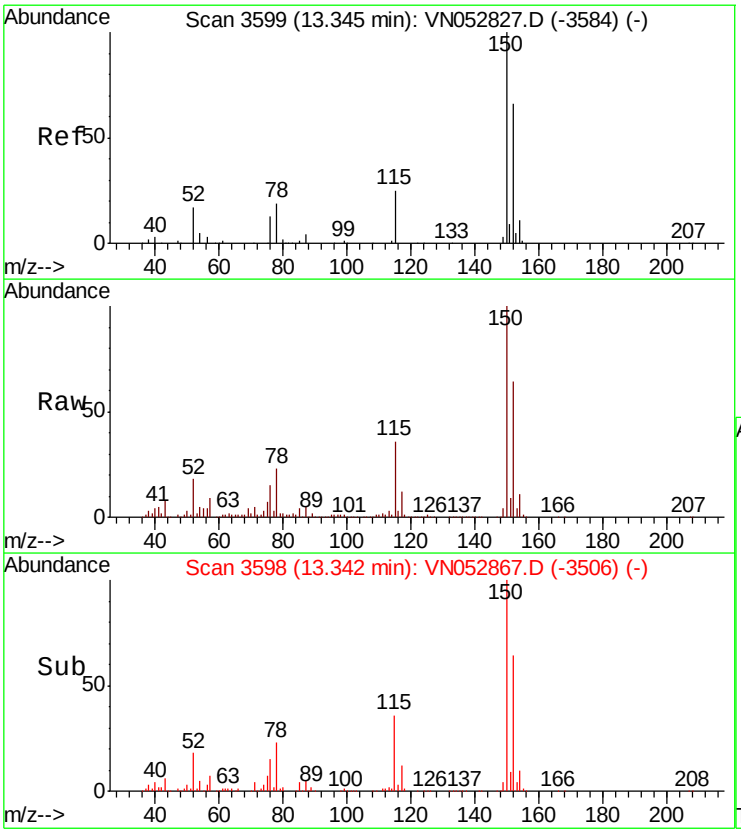

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :** MSVOA_N
**ClientSampleId :** 059_BT-3-1DL

Tgt Ion:117 Resp: 1751561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.1 | 42.8 | 64.2 |
| 119 | 32.2 | 25.5 | 38.3 |

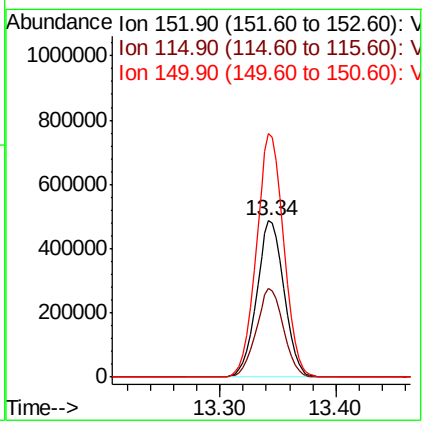


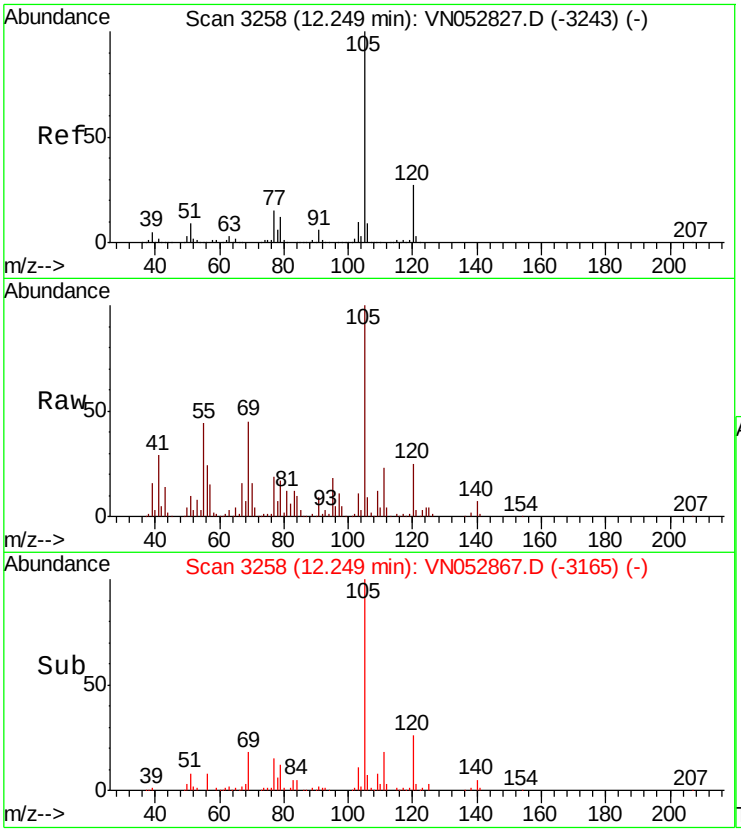




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion:152 Resp: 797247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 28.3 | 85.0 |
| 150 | 155.7 | 0.0 | 347.8 |



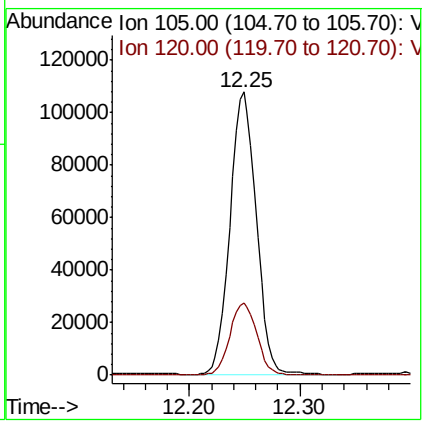


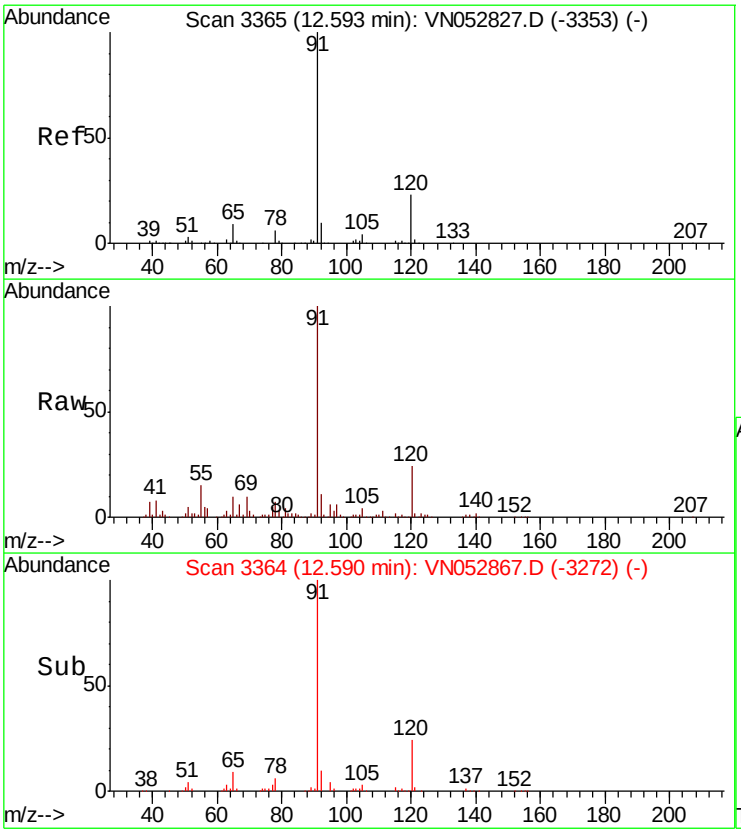

#73
Isopropylbenzene
Concen: 2.971 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :** MSVOA_N
**ClientSampleId :** 059_BT-3-1DL

Tgt Ion:105 Resp: 176864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 13.3 | 39.9 |

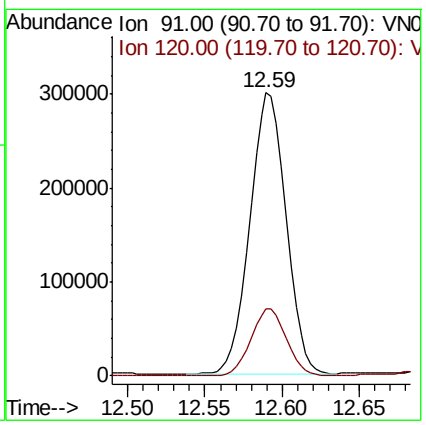


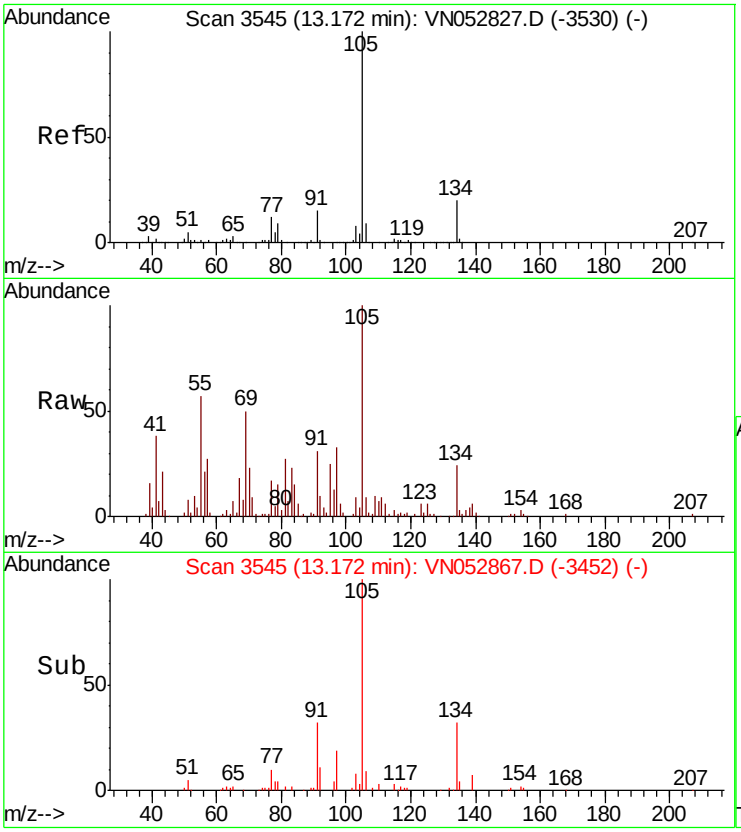




#78
n-propylbenzene
Concen: 7.182 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 91 Resp: 487563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.4 | 11.5 | 34.5 |



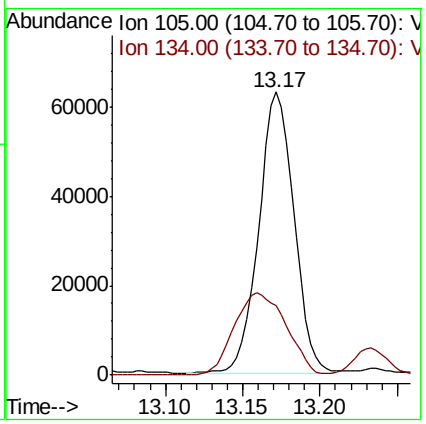


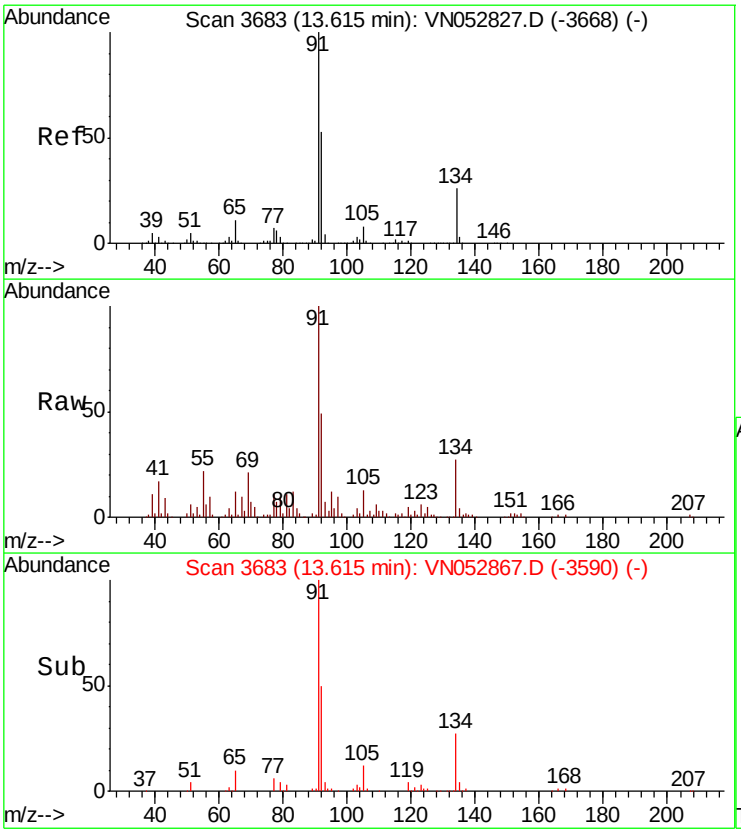

#85
sec-Butylbenzene
Concen: 1.732 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
059_BT-3-1DL

Tgt Ion:105 Resp: 99428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 43.3 | 10.1 | 30.3# |




#89
n-Butylbenzene
Concen: 3.963 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 91 Resp: 165942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 47.6 | 26.3 | 78.9 |
| 134 | 0.0 | 13.3 | 39.8# |