Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041319\
Data File : VN055013.D
Acq On : 12 Apr 2019 21:32
Operator : JC/SP
Sample : K2196-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Quant Time: Apr 13 04:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 551276 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 878748 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 737393 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 245141 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 356701 | 51.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.12% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 281000 | 50.16 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.32% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1046941 | 50.88 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.76% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 306371 | 44.21 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.42% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 3.82 | 43 | 9529 | 5.014 | ug/l | 96 |
| 20) Methylene Chloride | 4.54 | 84 | 6430116 | 1073.380 | ug/l | 96 |
| 43) Isopropyl Acetate | 8.17 | 43 | 15672 | 1.503 | ug/l | 99 |
| 67) Ethyl Benzene | 11.51 | 91 | 31704 | 1.214 | ug/l | 92 |
| 68) m/p-Xylenes | 11.62 | 106 | 52135 | 5.456 | ug/l | 98 |
| 69) o-Xylene | 11.95 | 106 | 23853 | 2.523 | ug/l | 94 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 31202 | 1.839 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 137017 | 8.422 | ug/l | 100 |
| 95) Naphthalene | 15.13 | 128 | 15059 | 6.133 | ug/l | 99 |

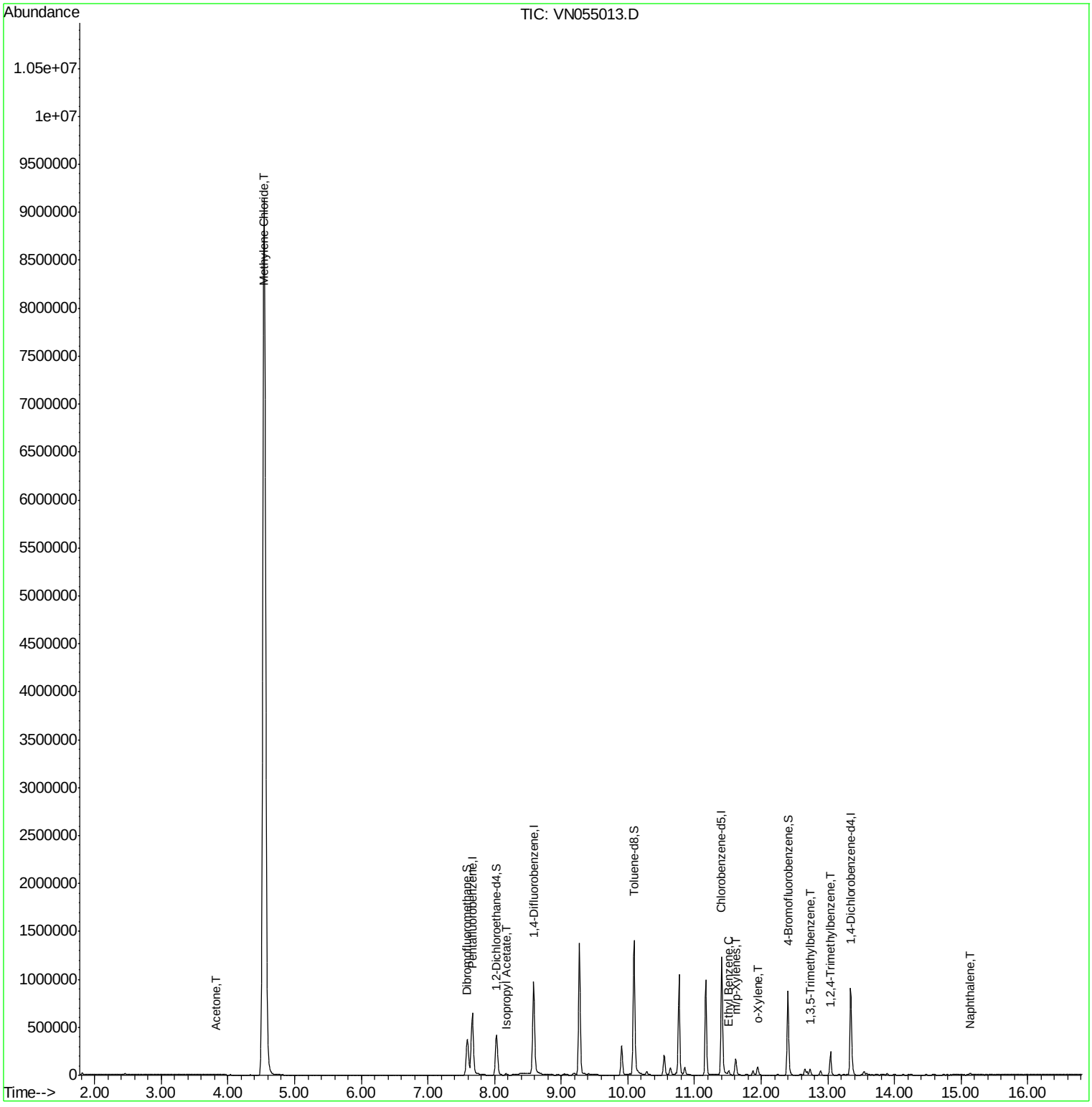
(#) = qualifier out of range (m) = manual integration (+) = signals summed

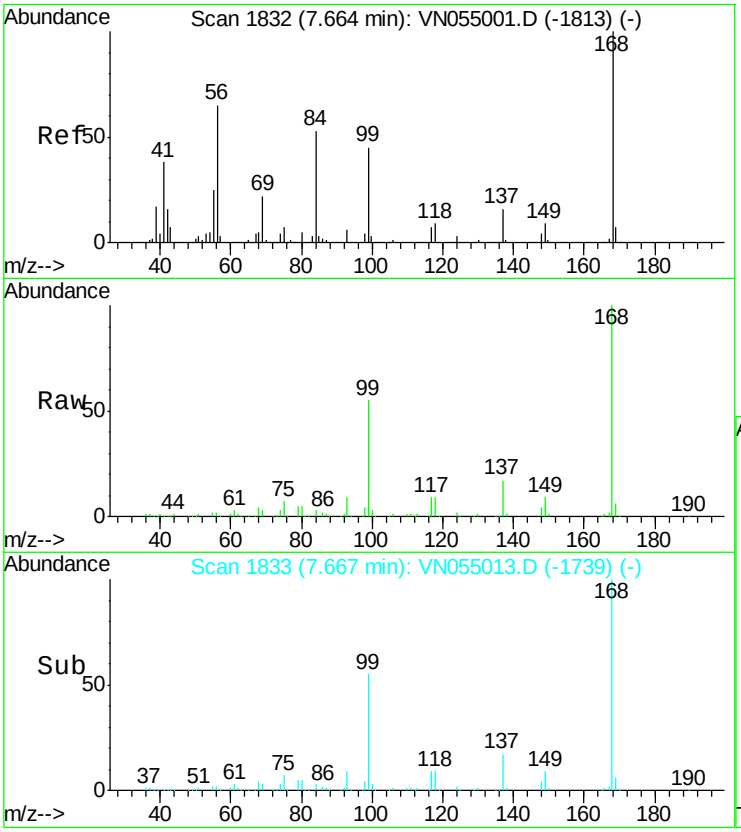
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041319\
Data File : VN055013.D
Acq On : 12 Apr 2019 21:32
Operator : JC/SP
Sample : K2196-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
HD-02-041119

Quant Time: Apr 13 04:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration



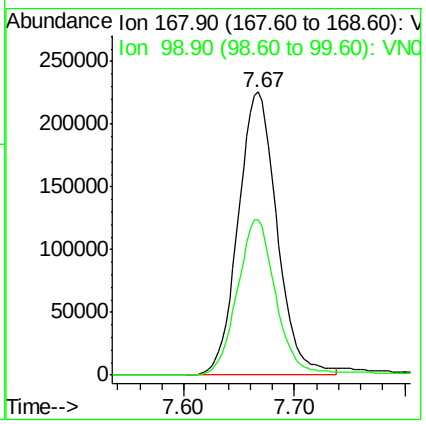


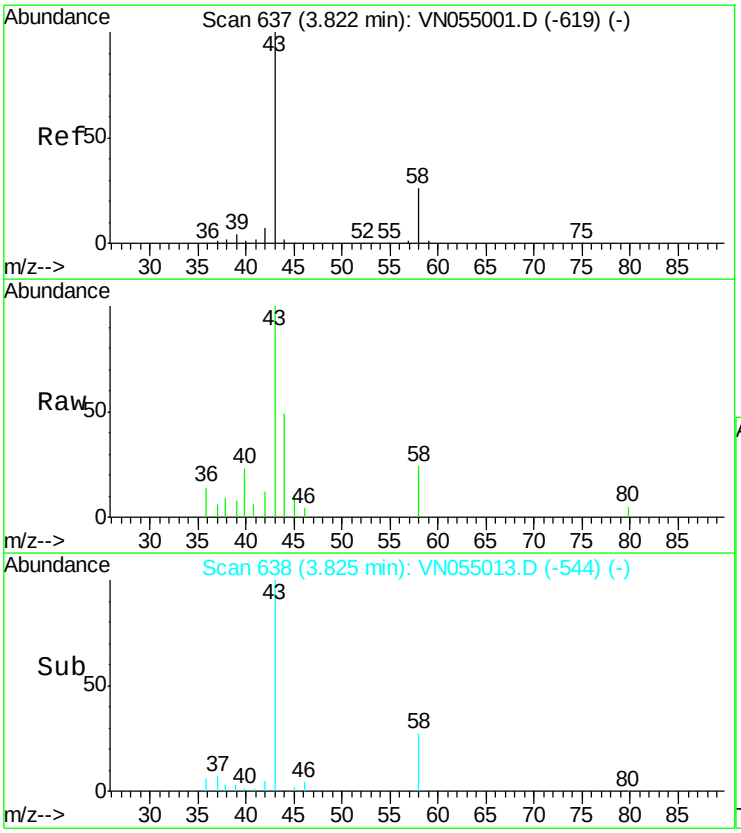

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
HD-02-041119

Tgt Ion:168 Resp: 551276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.7 | 41.9 | 62.9 |

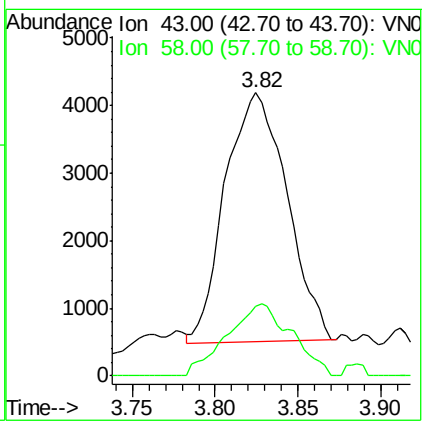


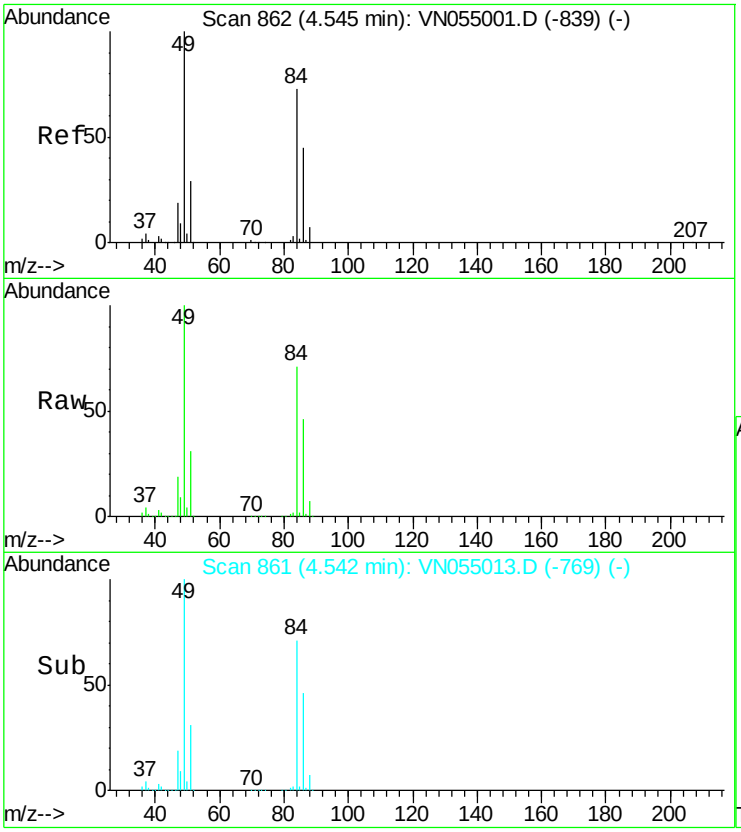




#16
Acetone
Concen: 5.014 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 43 Resp: 9529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.0 | 20.9 | 31.3 |



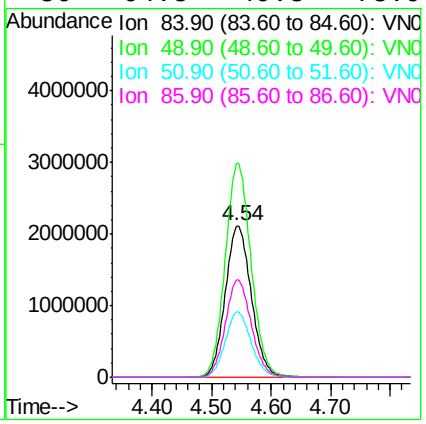


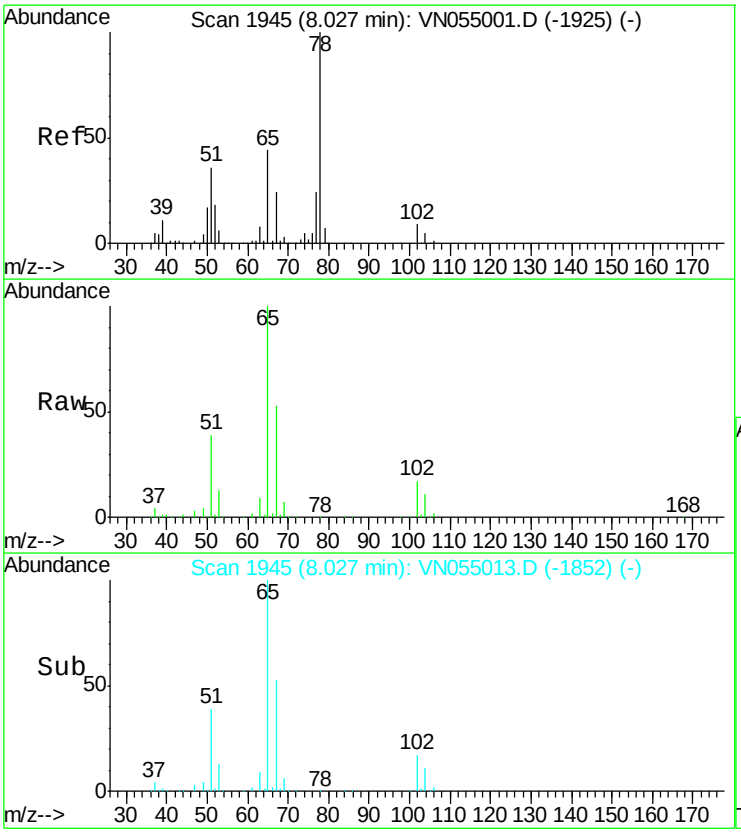

#20
Methylene Chloride
Concen: 1073.380 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Tgt Ion: 84 Resp: 6430116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 141.0 | 109.4 | 164.2 |
| 51 | 43.1 | 32.2 | 48.4 |
| 86 | 64.3 | 49.3 | 73.9 |

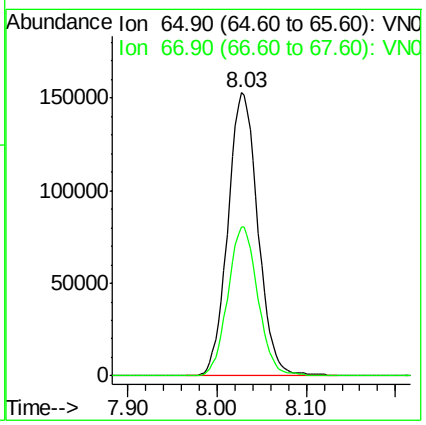


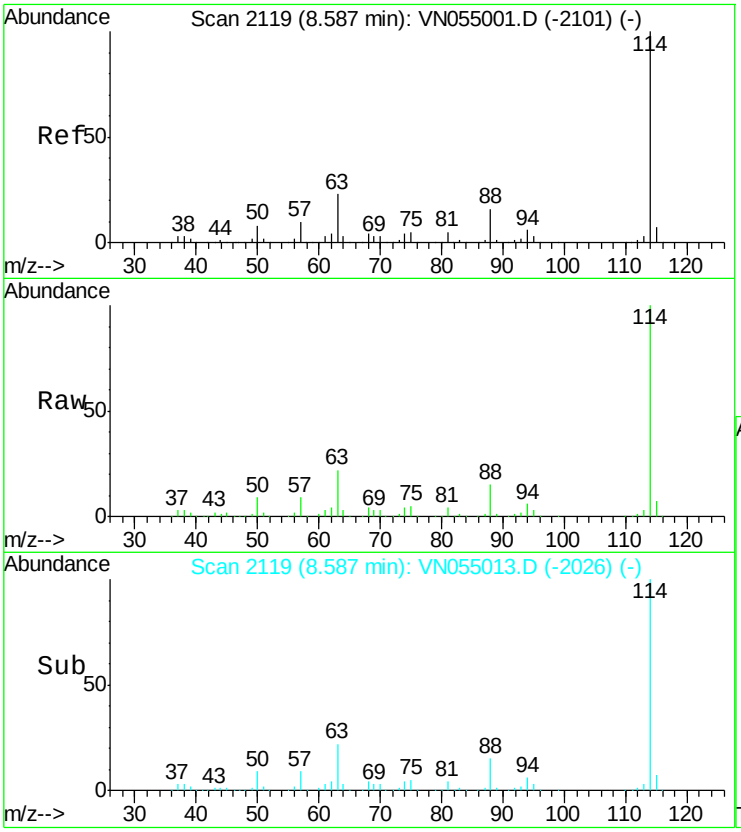




#33
1,2-Dichloroethane-d4
Concen: 51.560 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 65 Resp: 356701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 106.4 |



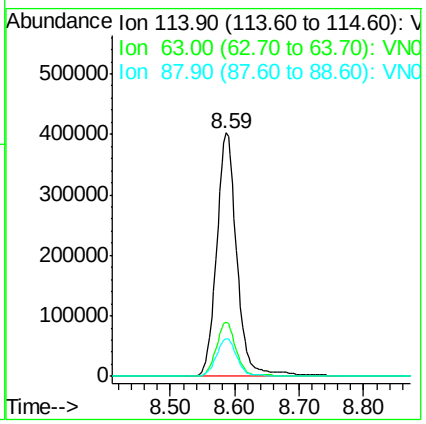


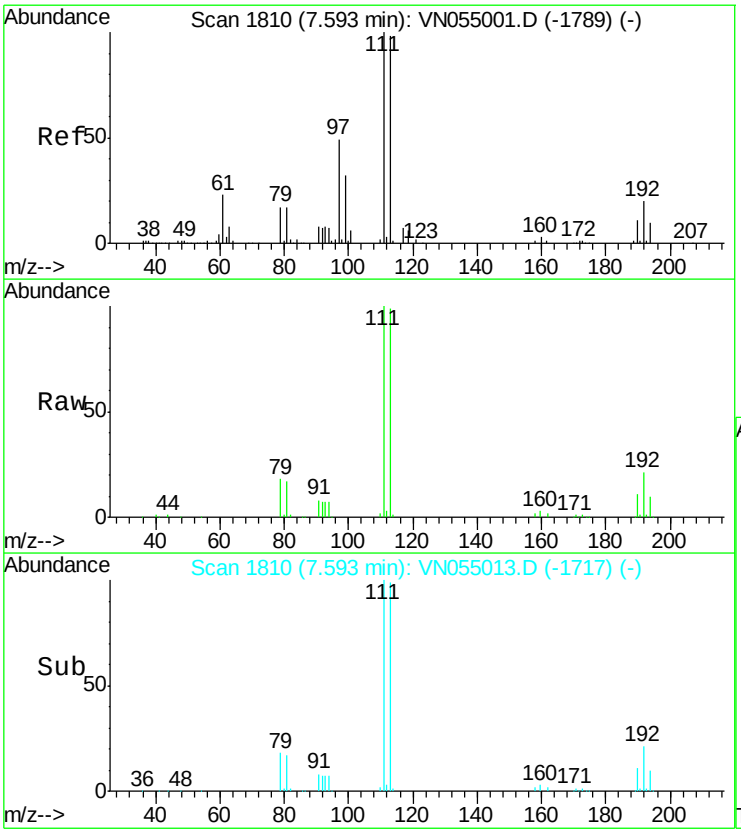

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
HD-02-041119

Tgt Ion:114 Resp: 878748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 45.2 |
| 88 | 15.4 | 0.0 | 31.8 |

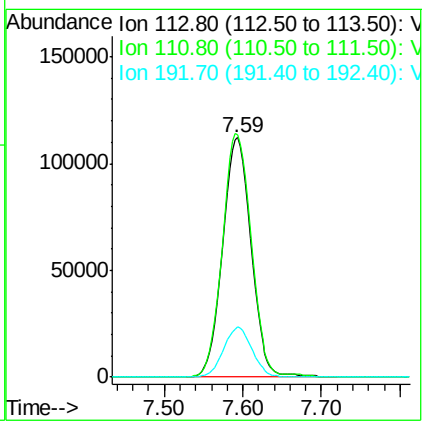


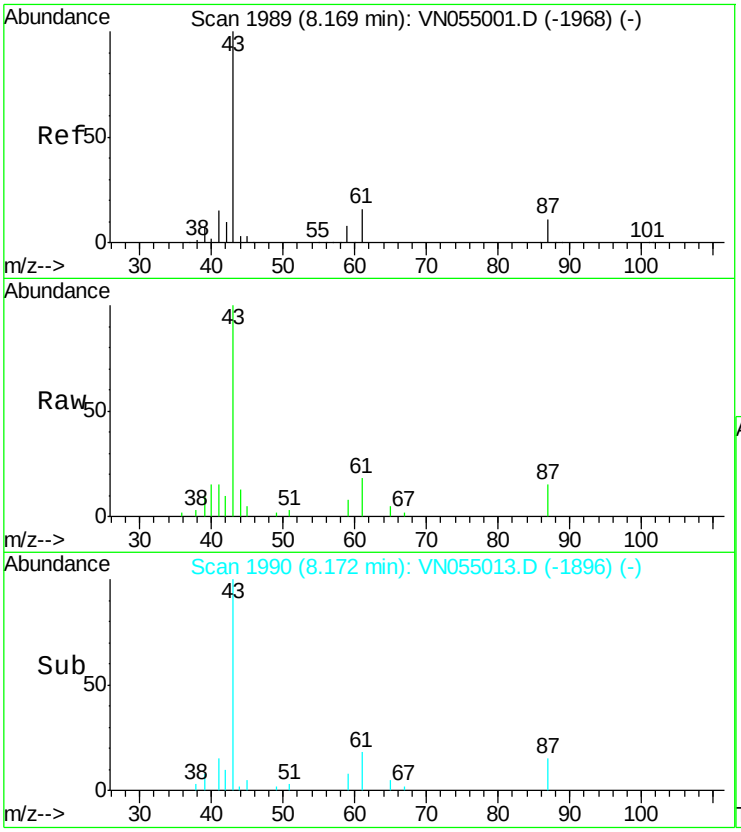




#35
Dibromofluoromethane
Concen: 50.163 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:113 Resp: 281000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 82.1 | 123.1 |
| 192 | 20.8 | 16.5 | 24.7 |



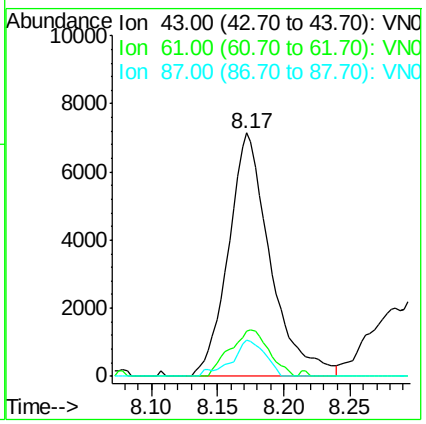


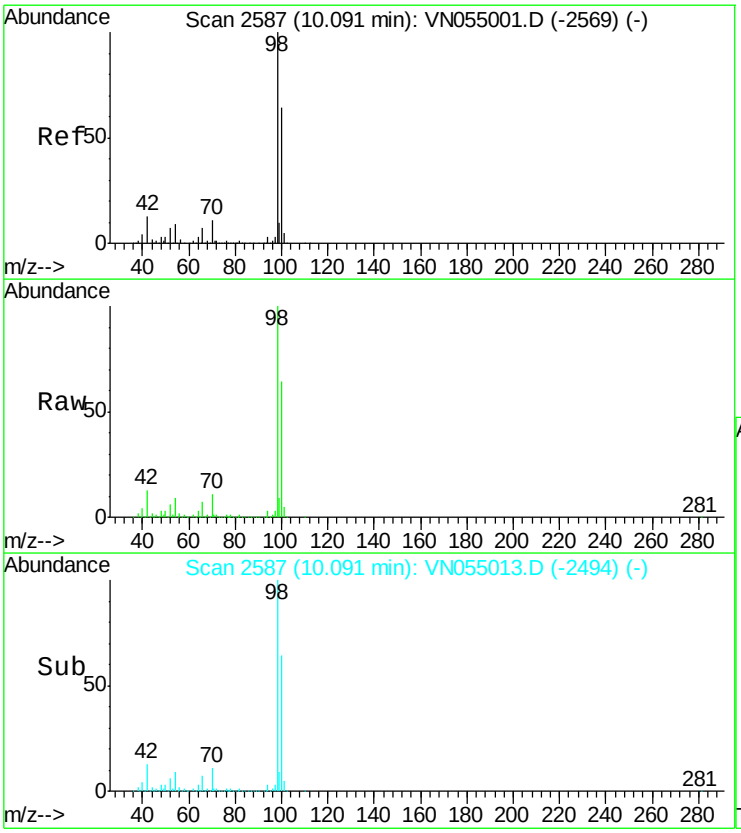

#43
Isopropyl Acetate
Concen: 1.503 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Tgt Ion: 43 Resp: 15672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.7 | 14.3 | 21.5 |
| 87 | 11.8 | 8.6 | 13.0 |

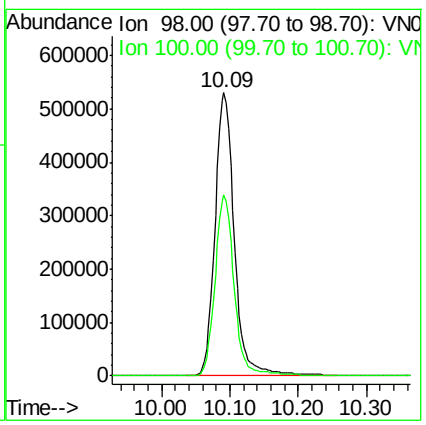


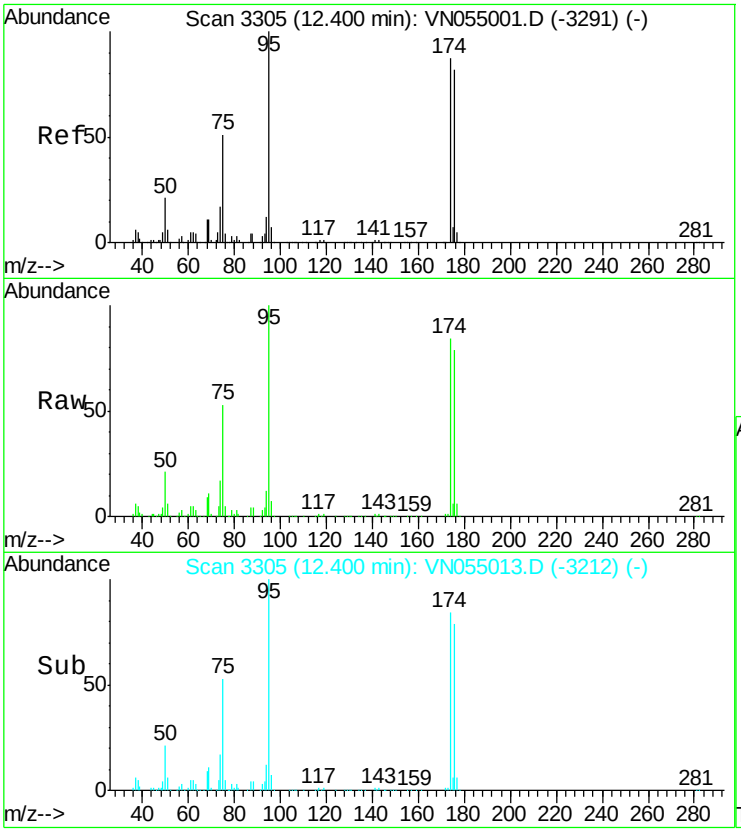




#50
Toluene-d8
Concen: 50.885 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 98 Resp: 1046941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.7 | 51.1 | 76.7 |



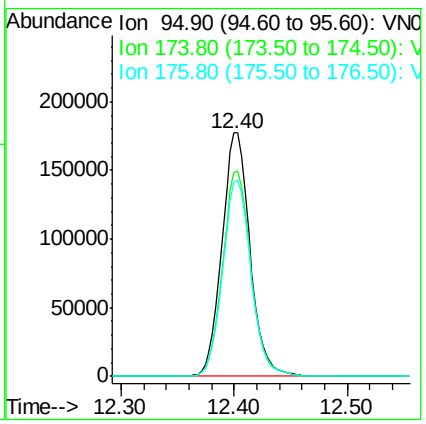


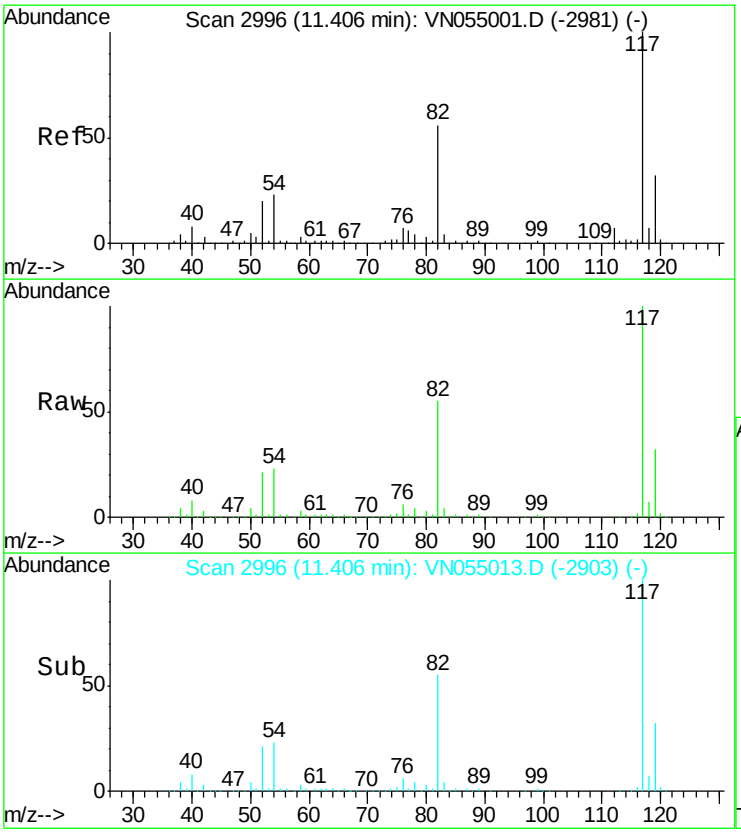

#62
4-Bromofluorobenzene
Concen: 44.206 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Tgt Ion: 95 Resp: 306371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.1 | 0.0 | 174.4 |
| 176 | 81.7 | 0.0 | 166.8 |

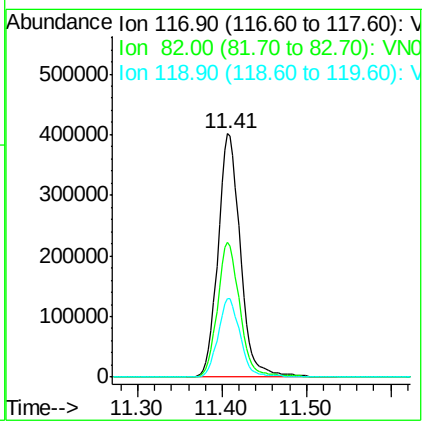


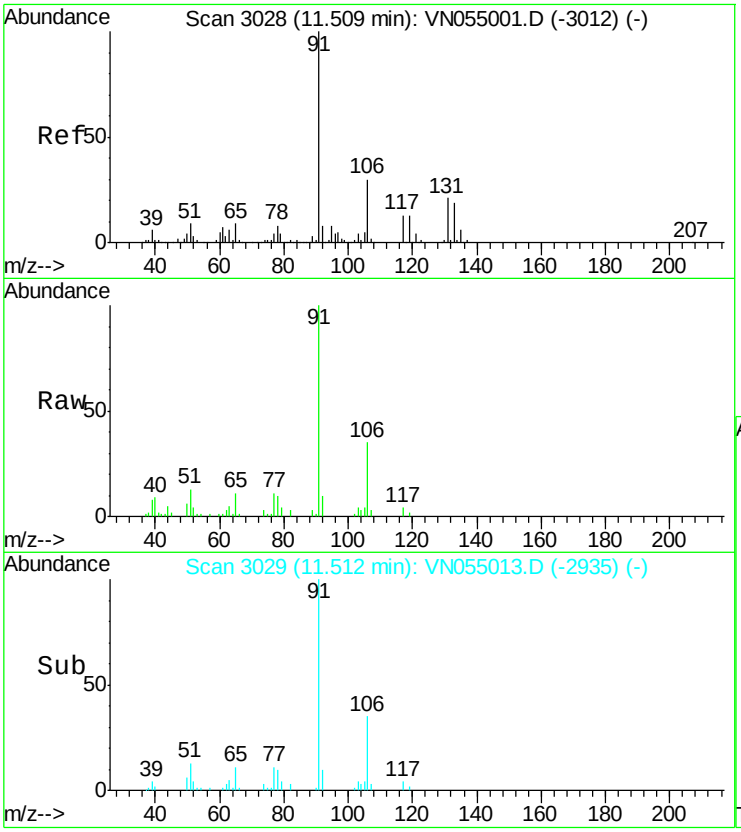




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:117 Resp: 737393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 44.6 | 66.8 |
| 119 | 32.4 | 25.5 | 38.3 |



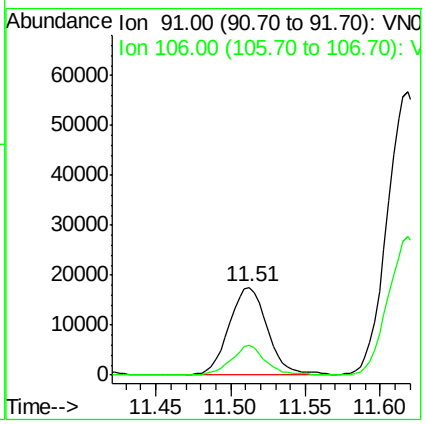


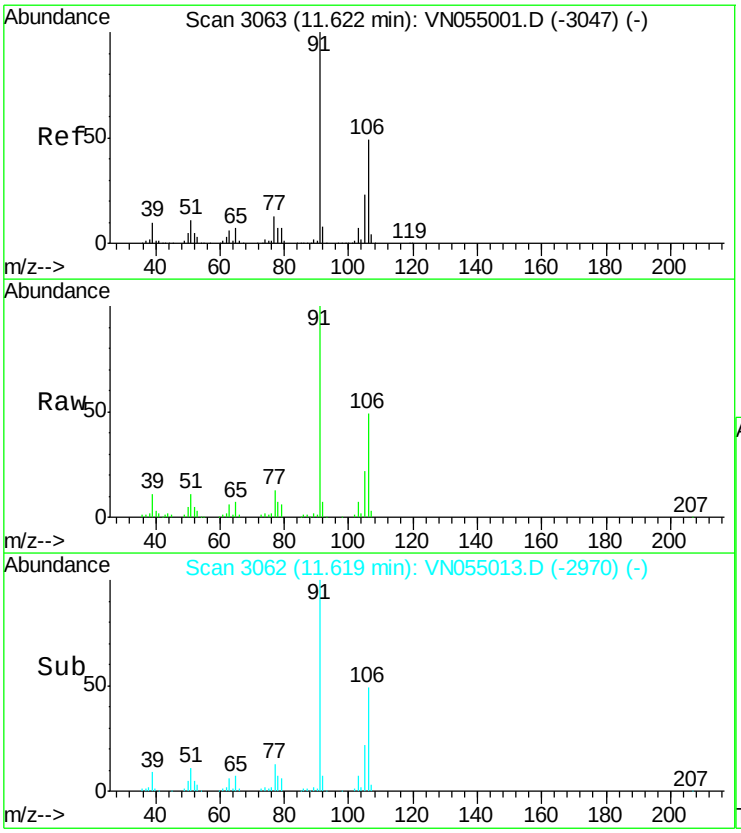

#67
Ethyl Benzene
Concen: 1.214 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Tgt Ion: 91 Resp: 31704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 34.6 | 24.3 | 36.5 |

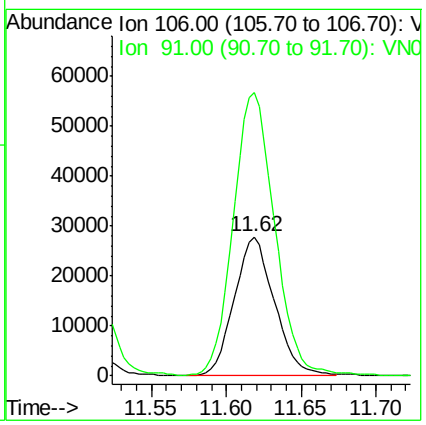


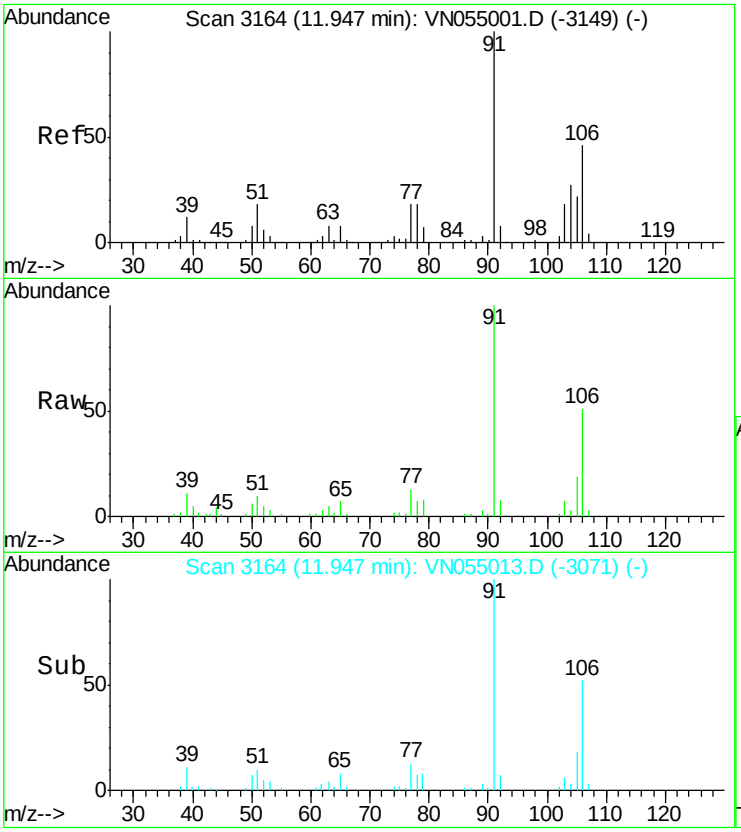




#68
m/p-Xylenes
Concen: 5.456 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:106 Resp: 52135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.4 | 165.9 | 248.9 |



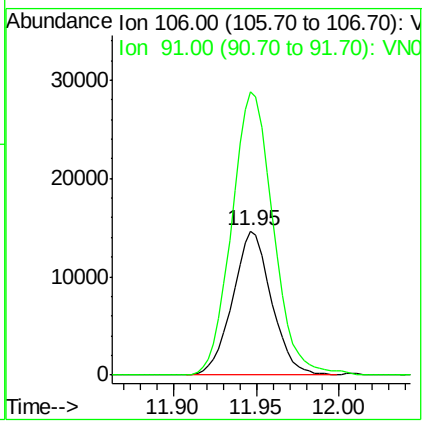


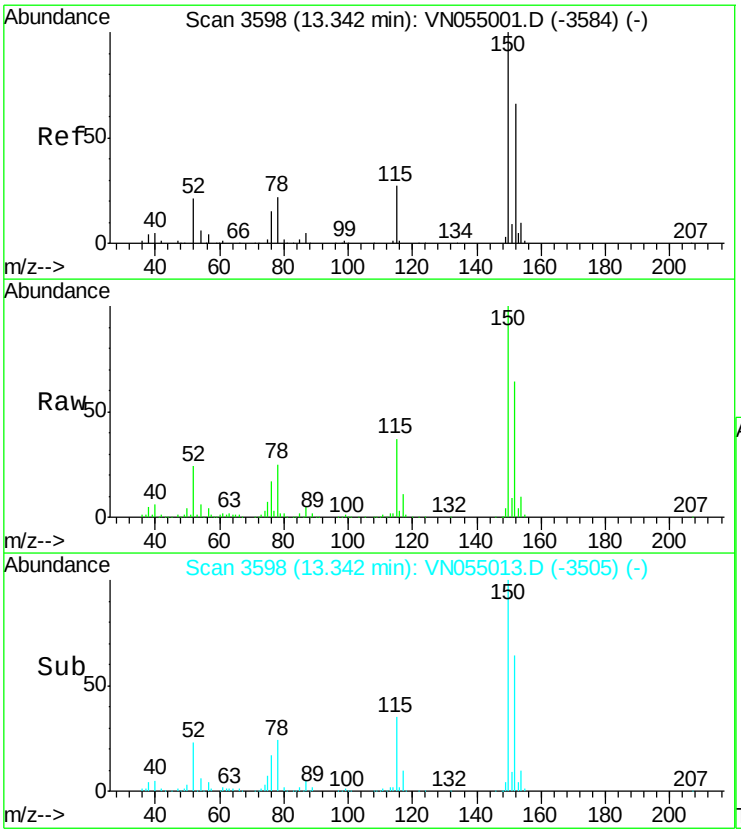

#69
o-Xylene
Concen: 2.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :** MSVOA_N
**ClientSampleId :** HD-02-041119

Tgt Ion:106 Resp: 23853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.5 | 109.9 | 329.8 |

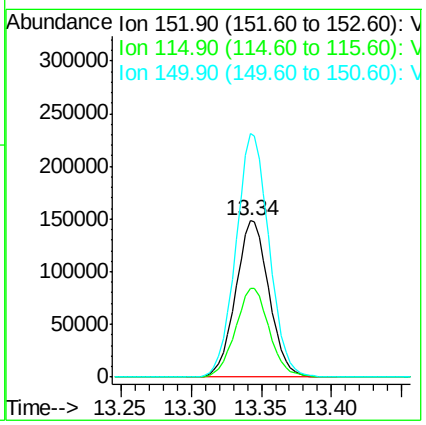


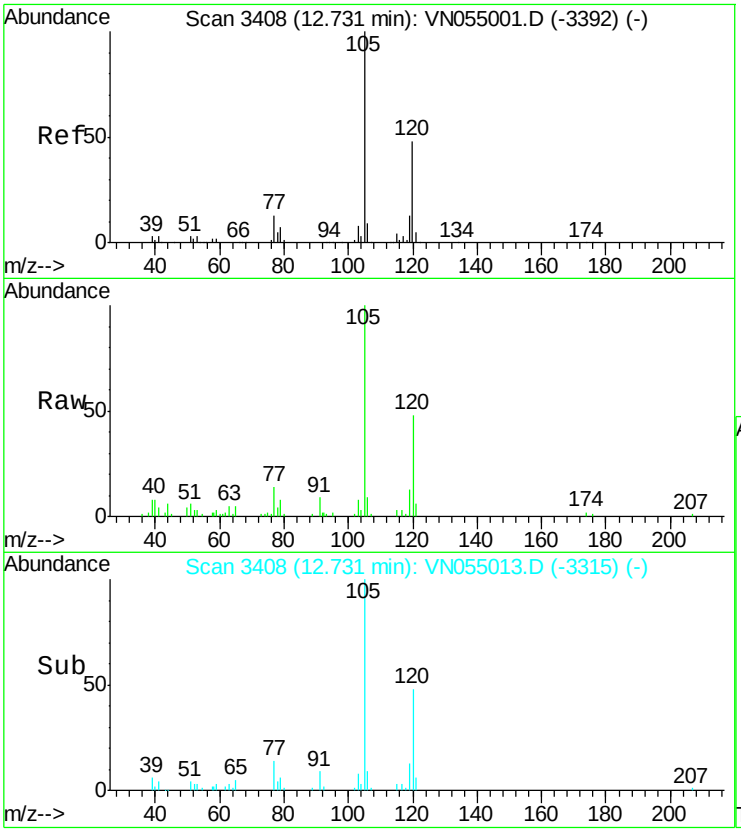




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:152 Resp: 245141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.6 | 28.5 | 85.6 |
| 150 | 155.4 | 0.0 | 347.2 |



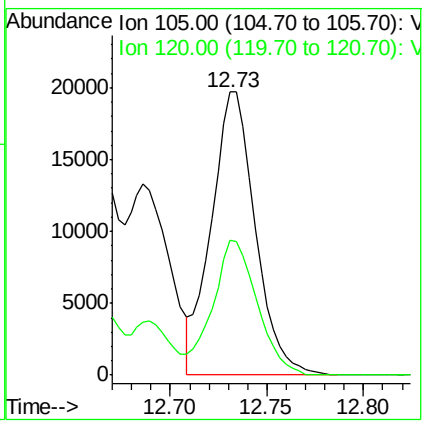


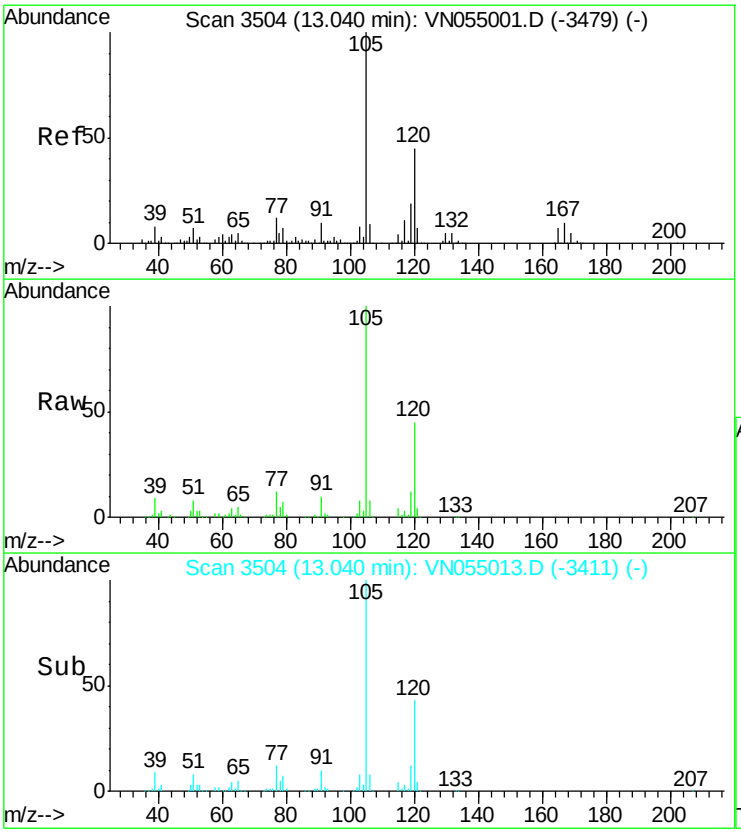

#80
1,3,5-Trimethylbenzene
Concen: 1.839 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
HD-02-041119

Tgt Ion:105 Resp: 31202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.3 | 72.8 |

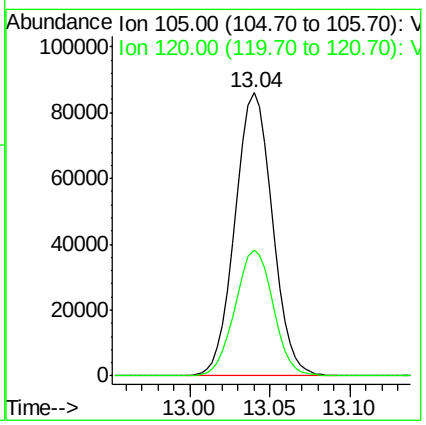


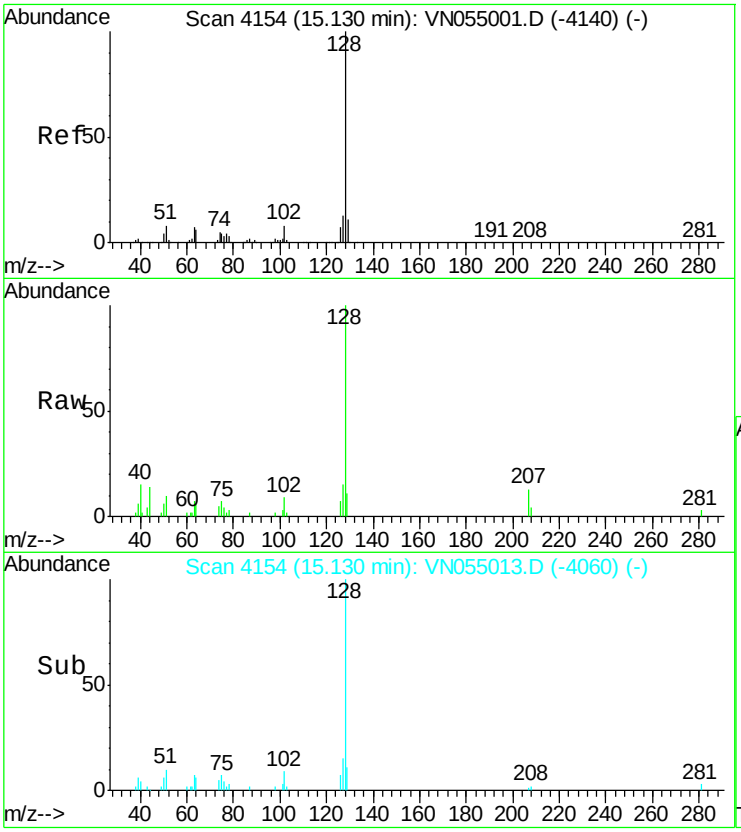




#84
1,2,4-Trimethylbenzene
Concen: 8.422 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:105 Resp: 137017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.2 | 22.4 | 67.3 |






#95
Naphthalene
Concen: 6.133 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

**Instrument :**
MSVOA_N
**ClientSampleId :**
HD-02-041119

Tgt Ion:128 Resp: 15059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.1 | 15.1 |
| 129 | 11.5 | 8.8 | 13.2 |