Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054353.D
Acq On : 16 Mar 2019 22:41
Operator : JC/SP
Sample : K1938-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Quant Time: Mar 18 04:56:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 1861828 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 2667406 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 2166763 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 753553 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 935828 | 47.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.66% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 817467 | 47.52 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.04% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 3004762 | 47.29 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.58% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 874338 | 39.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.66% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) Methyl Iodide | 3.95 | 142 | 257 | 1.506 | ug/l # | 45 |
| 13) Acrolein | 3.60 | 56 | 449 | 0.350 | ug/l | 93 |
| 16) Acetone | 3.82 | 43 | 30530 | 5.393 | ug/l | 90 |
| 20) Methylene Chloride | 4.55 | 84 | 4063 | 0.219 | ug/l # | 84 |
| 31) Cyclohexane | 7.66 | 56 | 28162 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 7.66 | 75 | 106216 | 4.324 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 151358 | 5.876 | ug/l # | 16 |
| 53) t-1,3-Dichloropropene | 10.39 | 75 | 76 | 1.989 | ug/l # | 42 |
| 71) Bromoform | 12.40 | 173 | 4846 | 2.701 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 417702 | 37.694 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 417702 | 128.856 | ug/l # | 11 |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 253 | 2.532 | ug/l # | 53 |
| 95) Naphthalene | 15.13 | 128 | 46698 | 4.785 | ug/l | 100 |

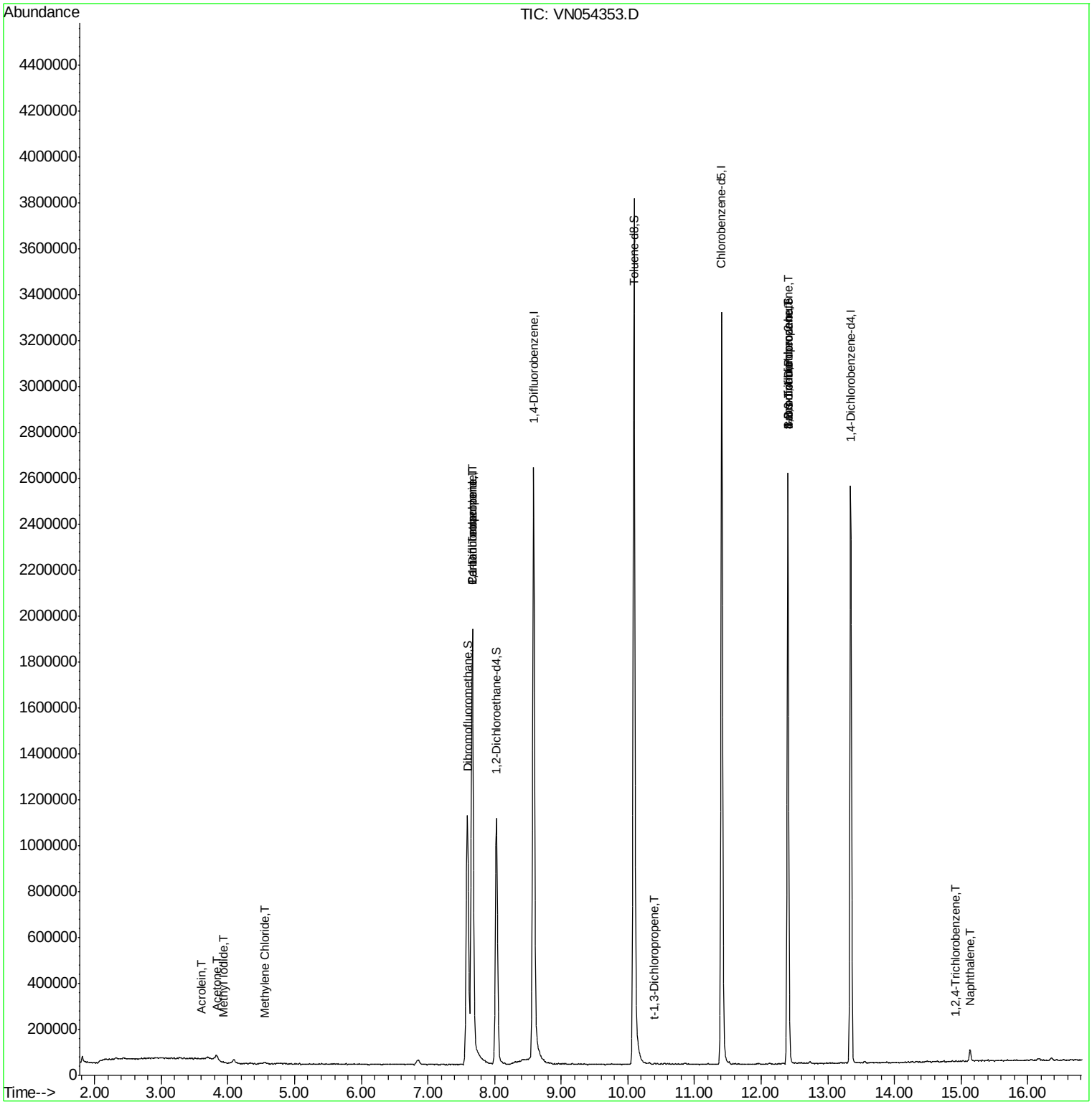
(#) = qualifier out of range (m) = manual integration (+) = signals summed

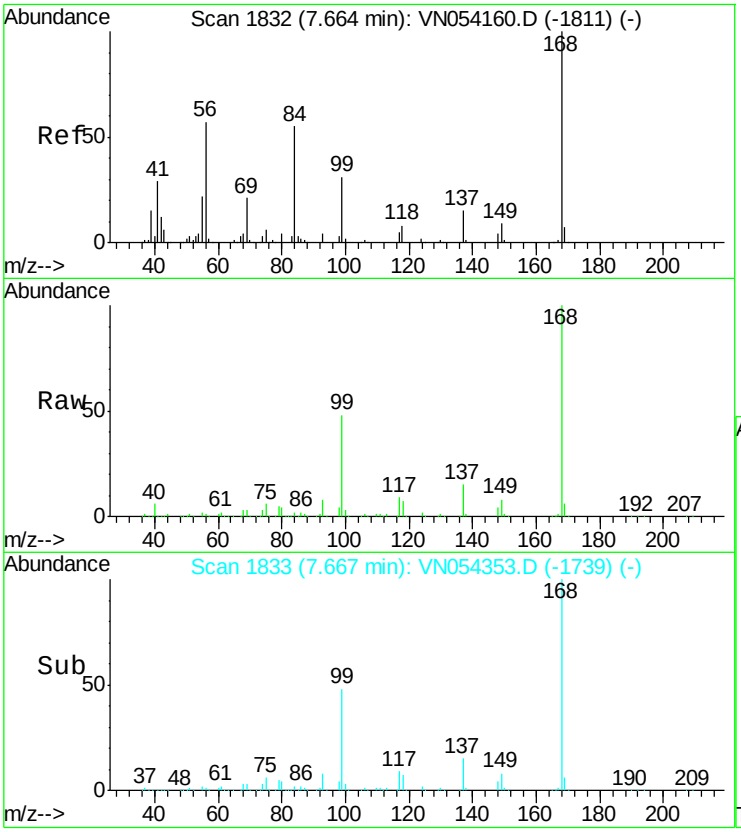
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031619\
Data File : VN054353.D
Acq On : 16 Mar 2019 22:41
Operator : JC/SP
Sample : K1938-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Quant Time: Mar 18 04:56:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration



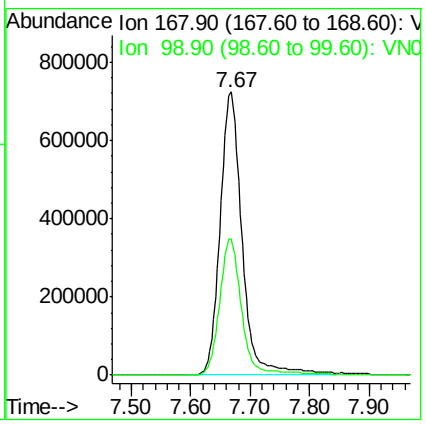


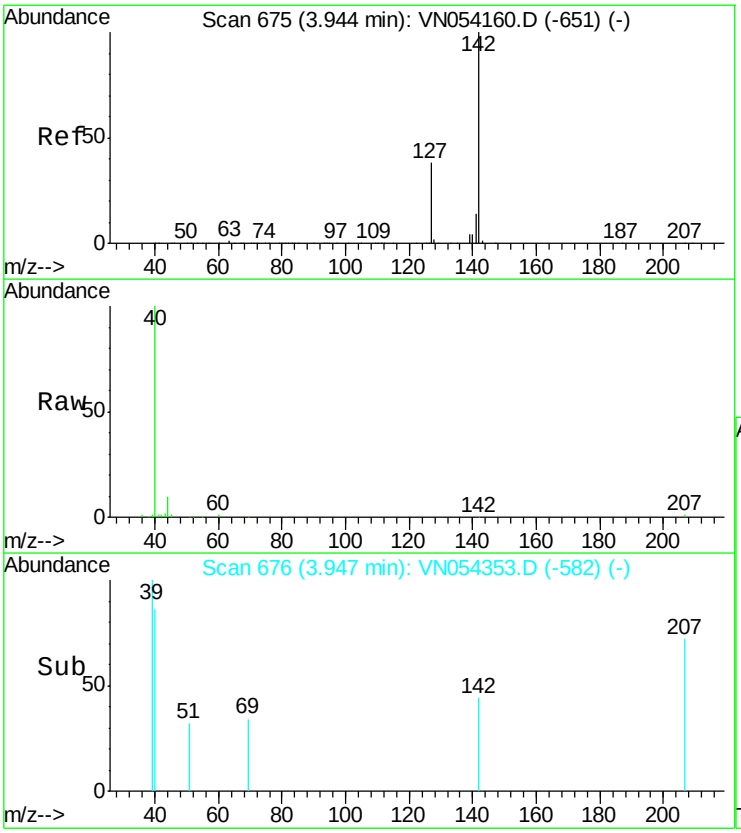

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion:168 Resp: 1861828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.0 | 37.1 | 55.7 |

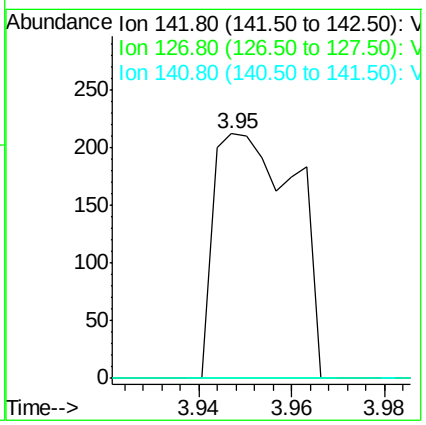


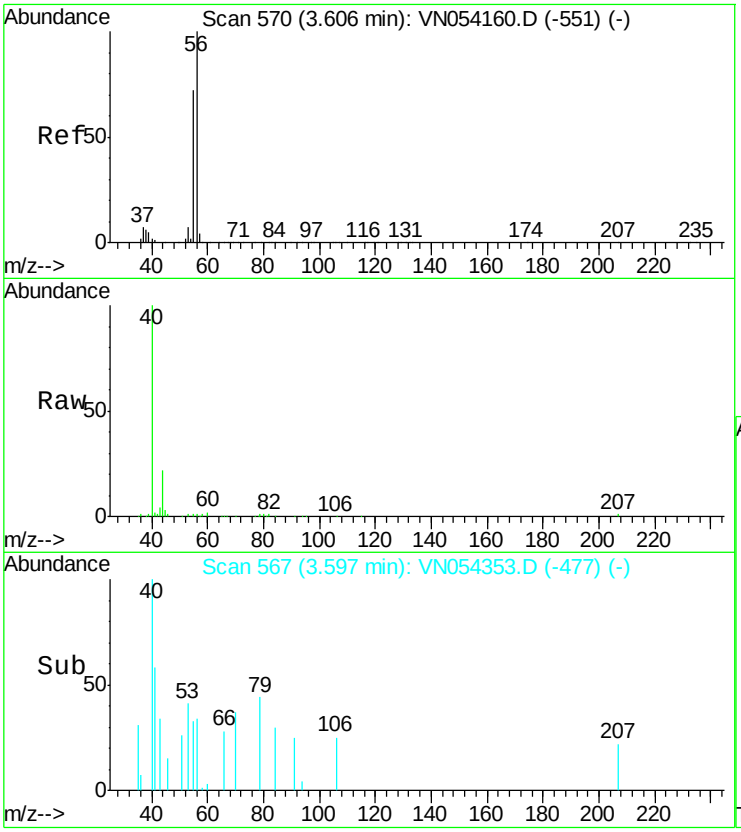




#10
Methyl Iodide
Concen: 1.506 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion:142 Resp: 257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 30.3 | 45.5# |
| 141 | 0.0 | 11.2 | 16.8# |



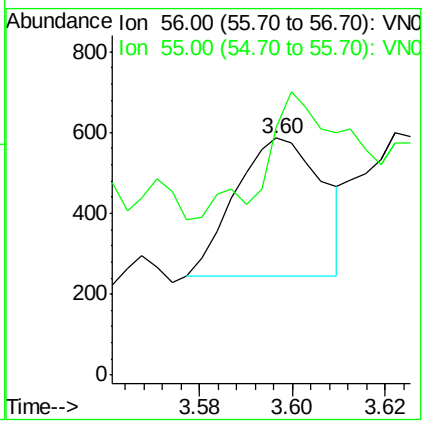


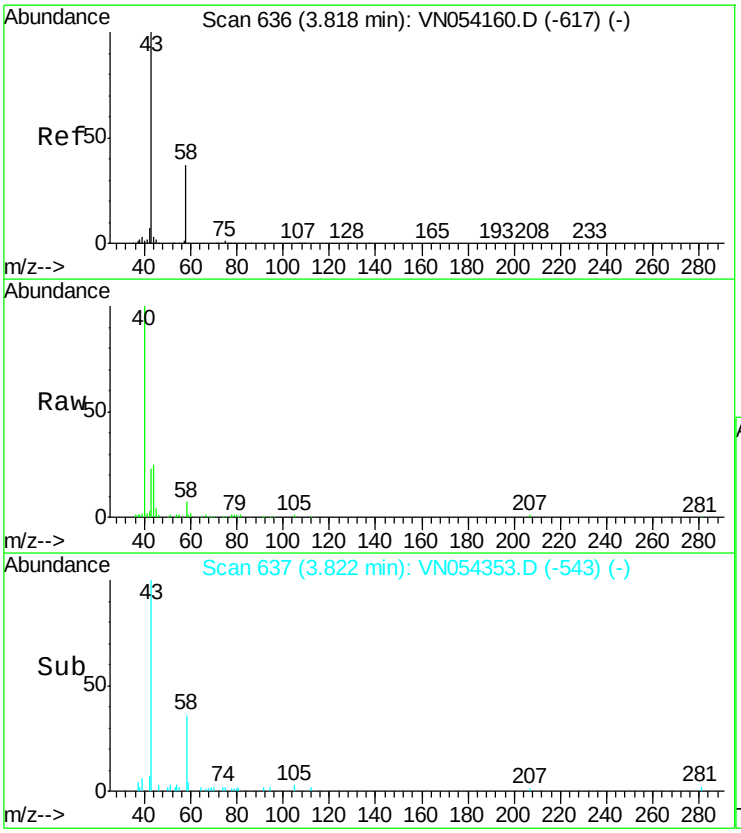

#13
Acrolein
Concen: 0.350 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion: 56 Resp: 449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 65.3 | 56.7 | 85.1 |

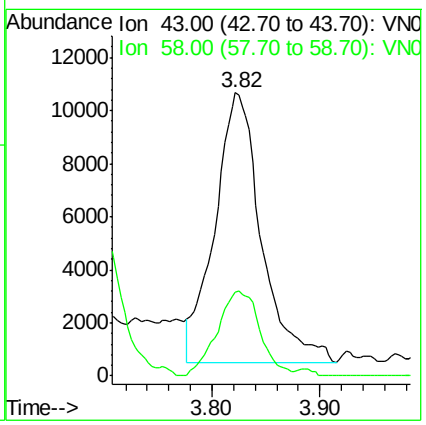


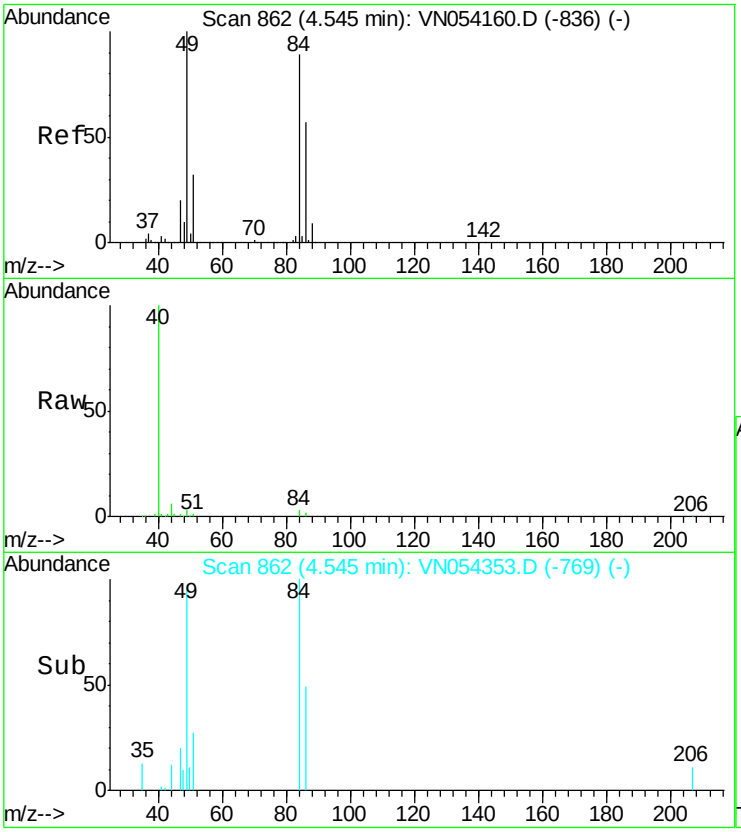




#16
Acetone
Concen: 5.393 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 43 Resp: 30530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 29.9 | 44.9 |



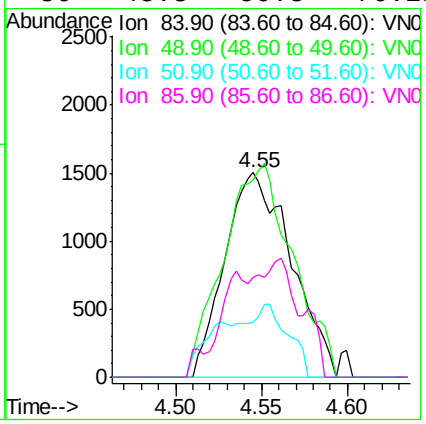


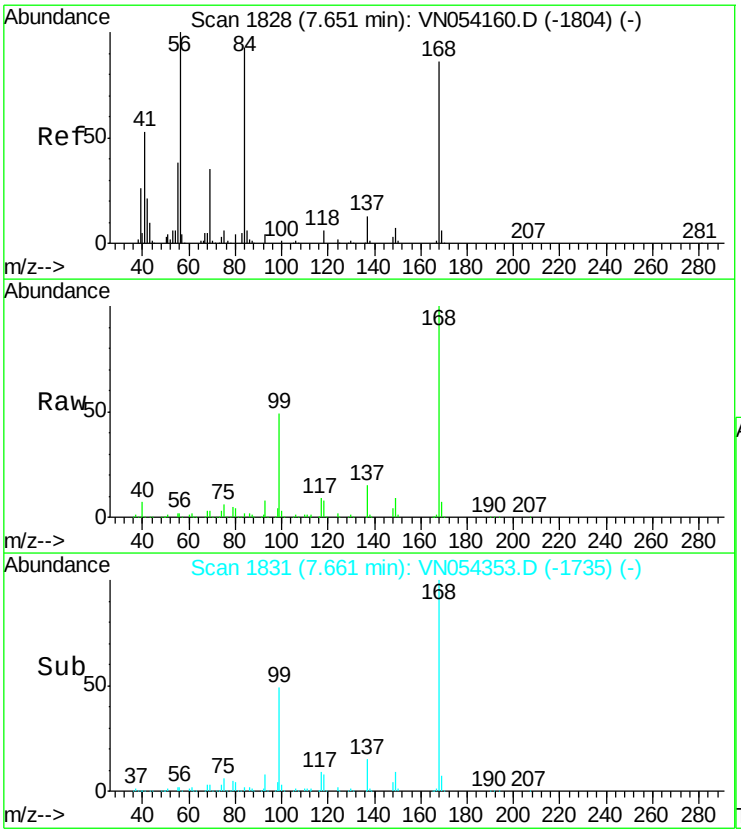

#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Tgt Ion: 84 Resp: 4063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 96.3 | 89.7 | 134.5 |
| 51 | 26.8 | 28.2 | 42.4# |
| 86 | 48.8 | 50.8 | 76.2# |

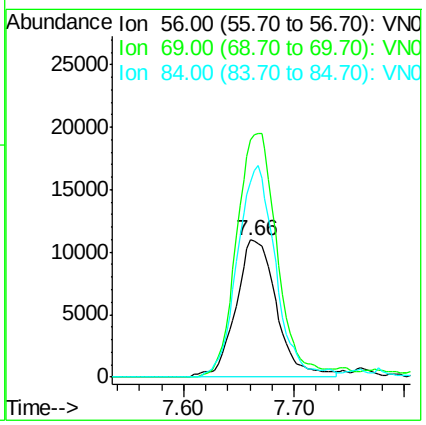


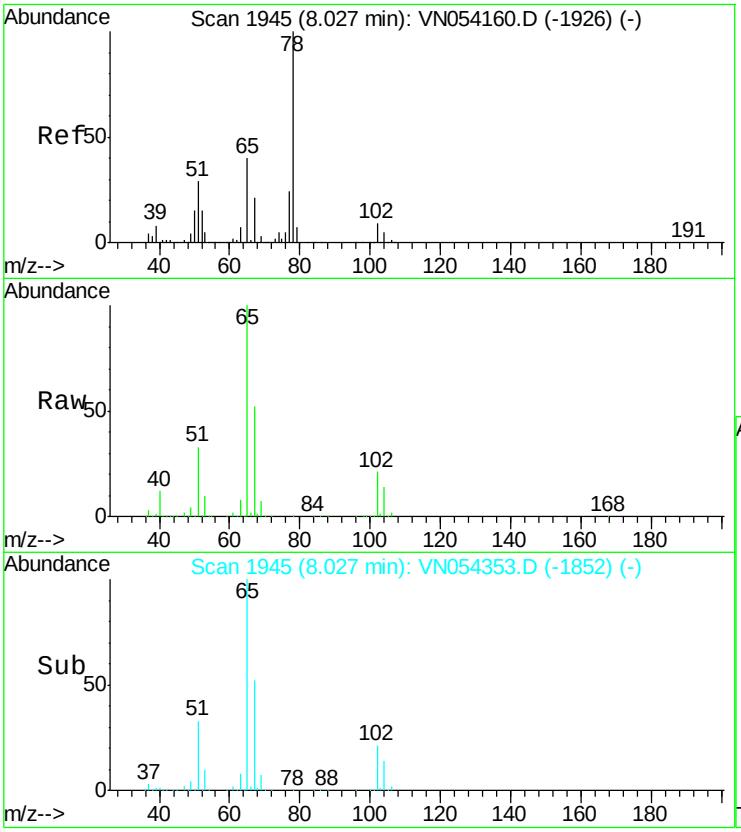




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 56 Resp: 28162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 173.2 | 27.8 | 41.6# |
| 84 | 142.1 | 74.6 | 111.8# |



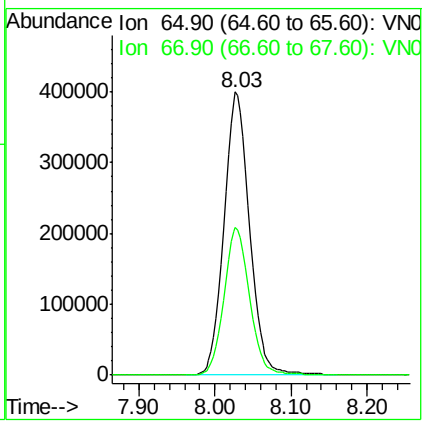


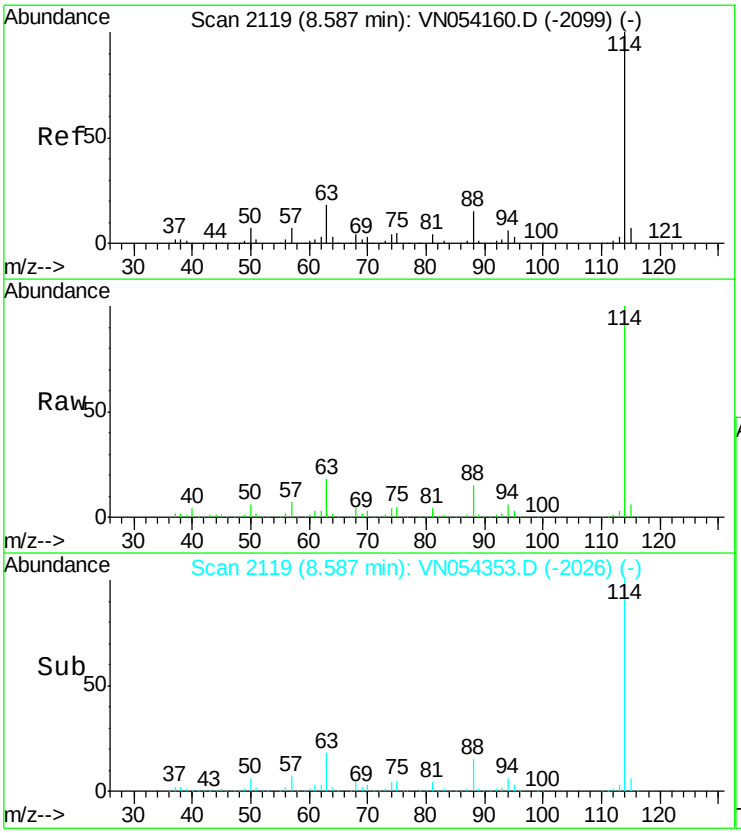

#33
1,2-Dichloroethane-d4
Concen: 47.329 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion: 65 Resp: 935828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 104.6 |

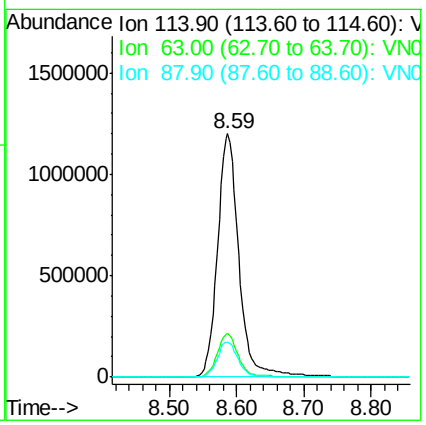


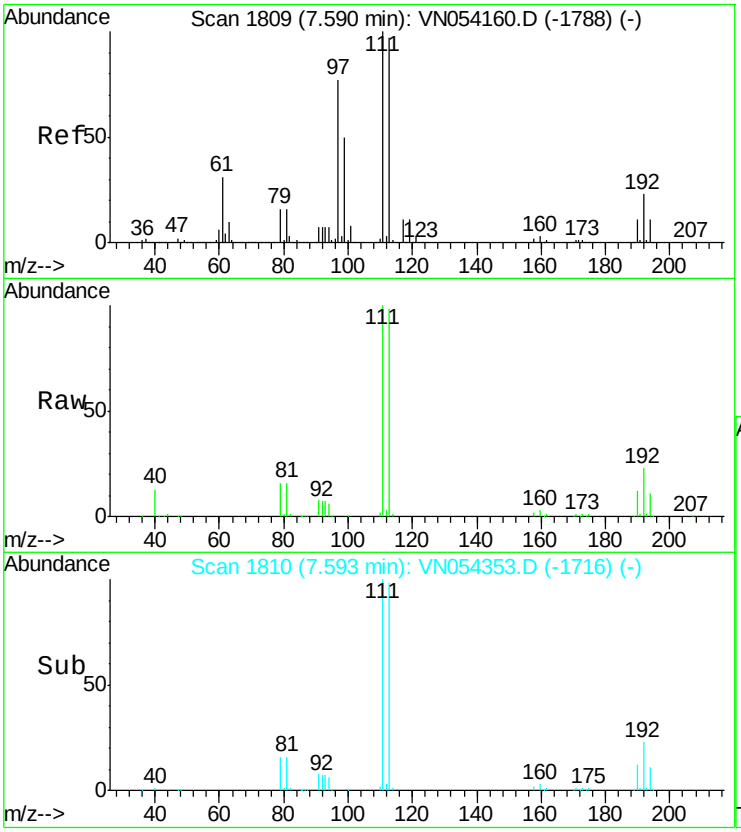




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion:114 Resp: 2667406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.8 | 0.0 | 35.2 |
| 88 | 14.6 | 0.0 | 30.2 |



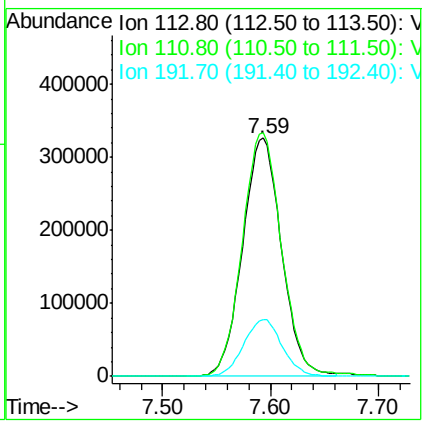


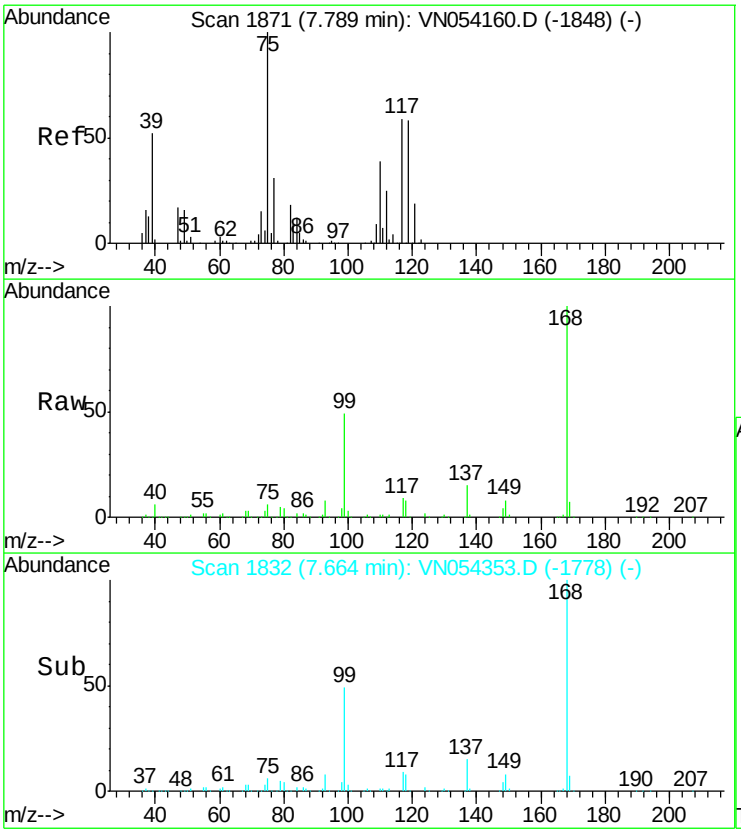

#35
Dibromofluoromethane
Concen: 47.517 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion:113 Resp: 817467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 82.2 | 123.4 |
| 192 | 23.8 | 19.2 | 28.8 |

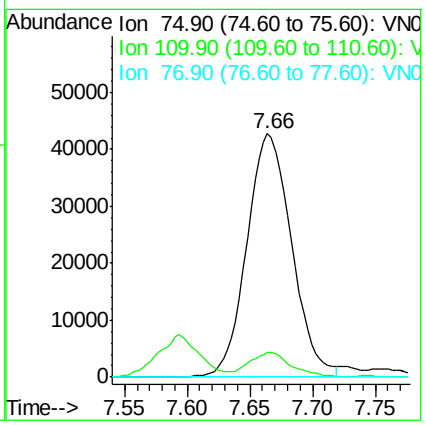


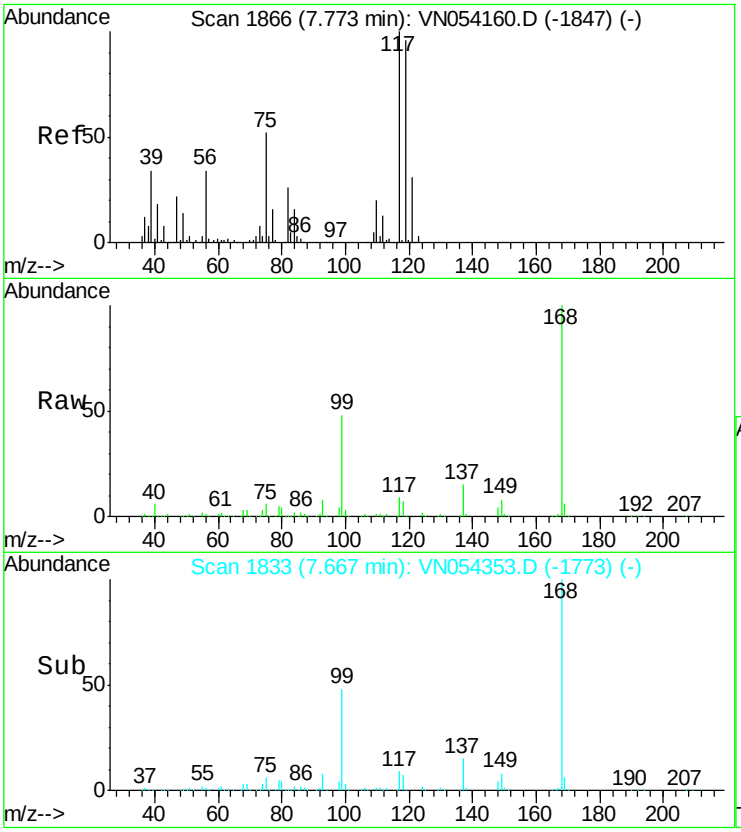




#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 75 Resp: 106216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.5 | 19.1 | 57.5# |
| 77 | 0.0 | 25.0 | 37.4# |



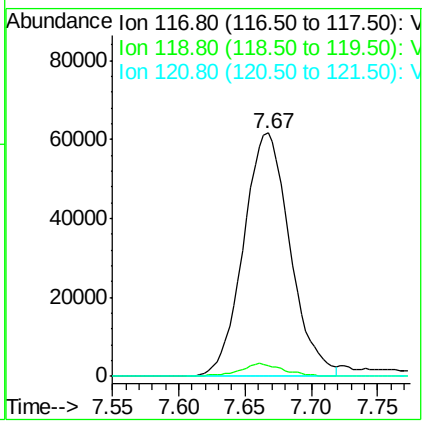


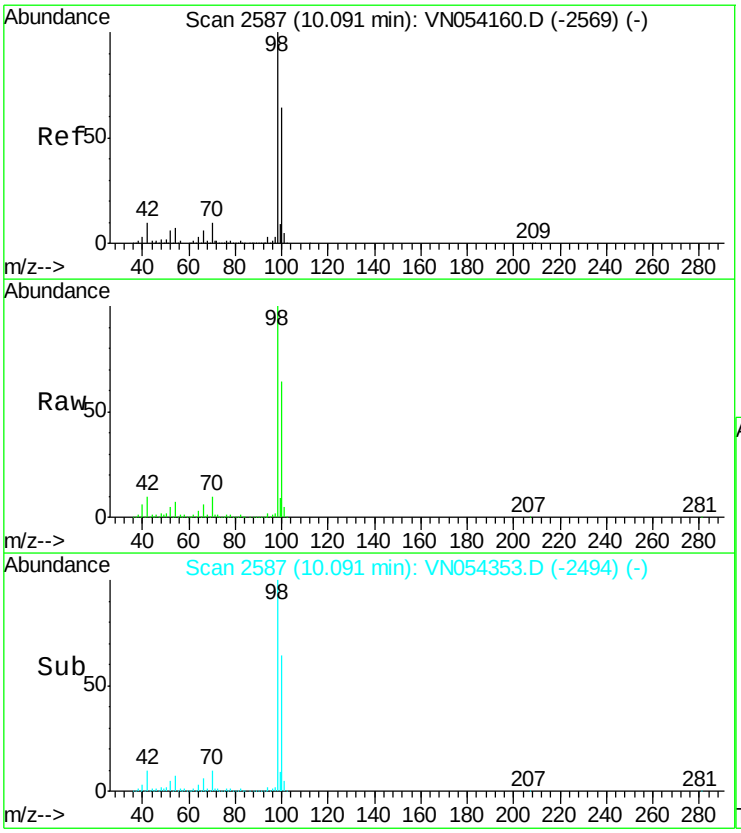

#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Tgt Ion:117 Resp: 151358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.5 | 76.3 | 114.5# |
| 121 | 0.0 | 24.6 | 36.8# |

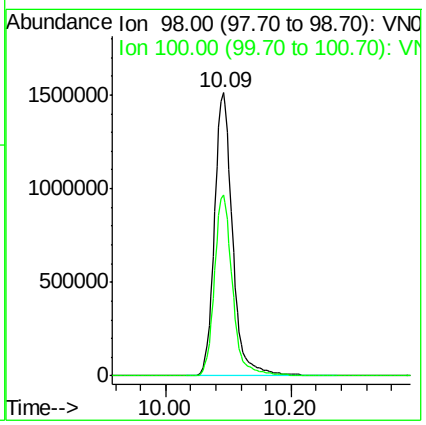


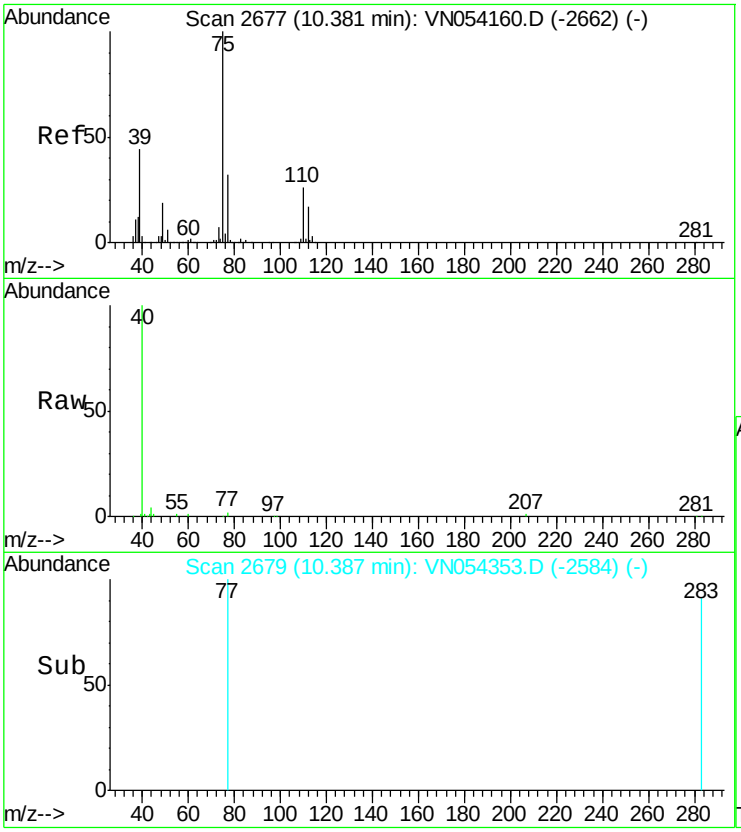




#50
Toluene-d8
Concen: 47.293 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 98 Resp: 3004762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 51.2 | 76.8 |



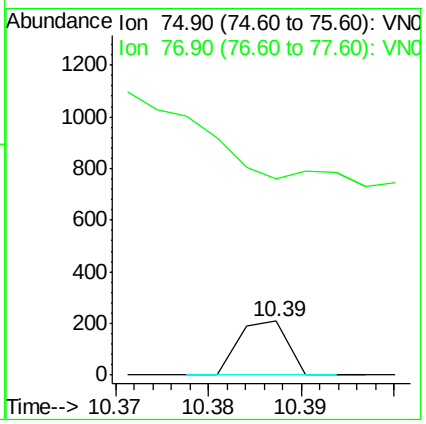


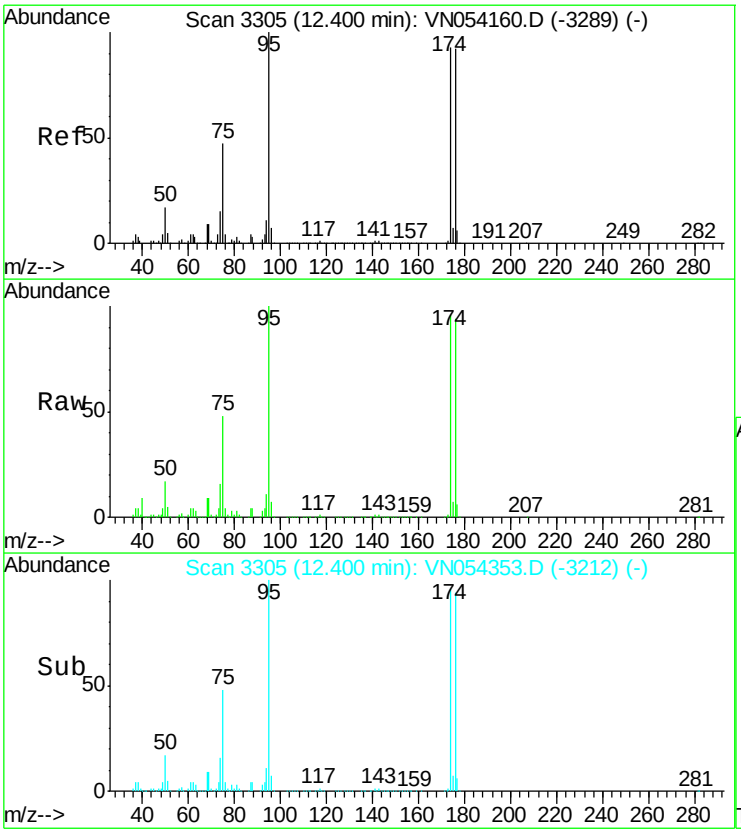

#53
t-1,3-Dichloropropene
Concen: 1.989 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.01 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Tgt Ion: 75 Resp: 76

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.8 | 38.8# |

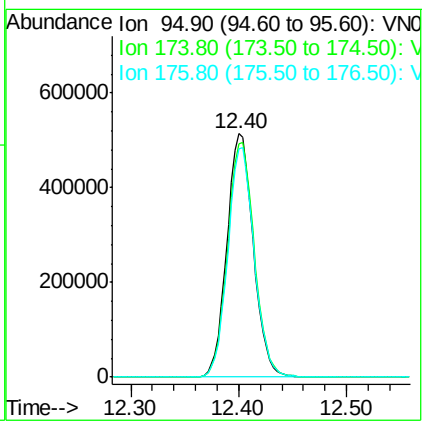


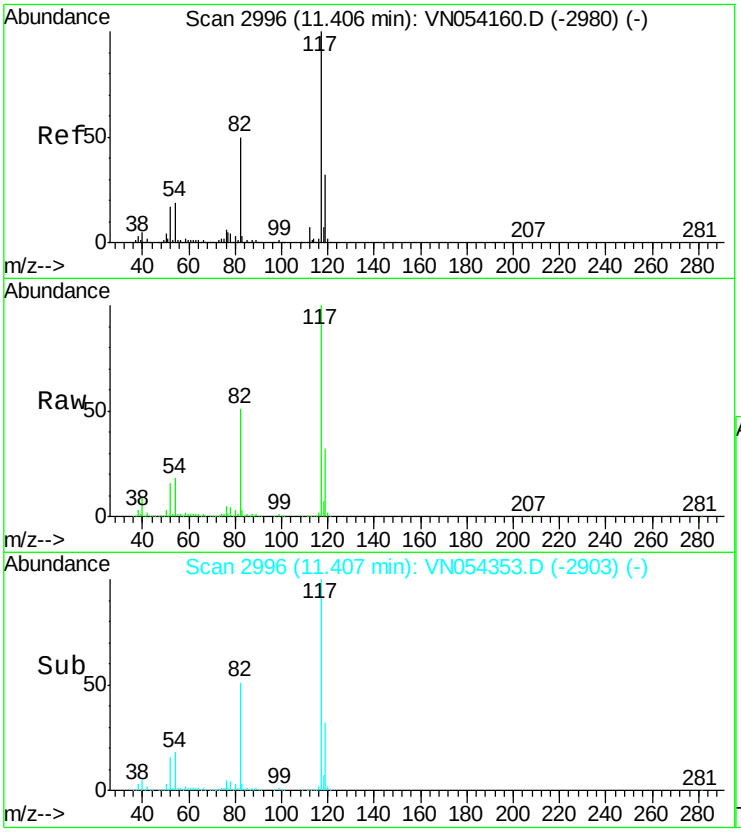




#62
4-Bromofluorobenzene
Concen: 39.329 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 95 Resp: 874338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 97.5 | 0.0 | 191.0 |
| 176 | 94.1 | 0.0 | 187.4 |



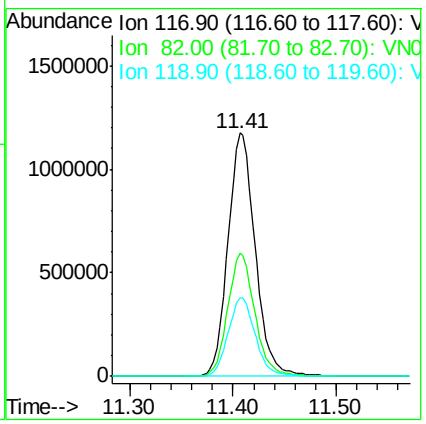


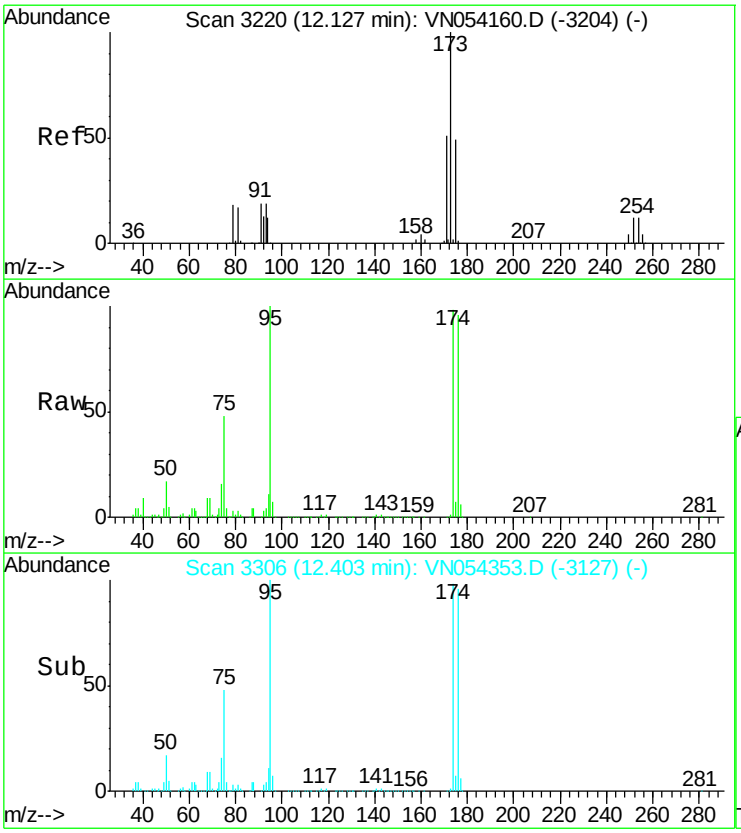

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Tgt Ion:117 Resp: 2166763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.6 | 40.0 | 60.0 |
| 119 | 32.3 | 25.8 | 38.6 |

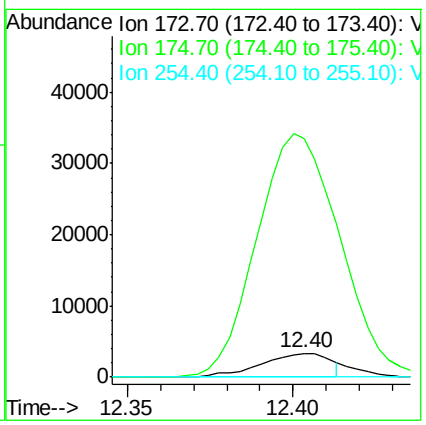


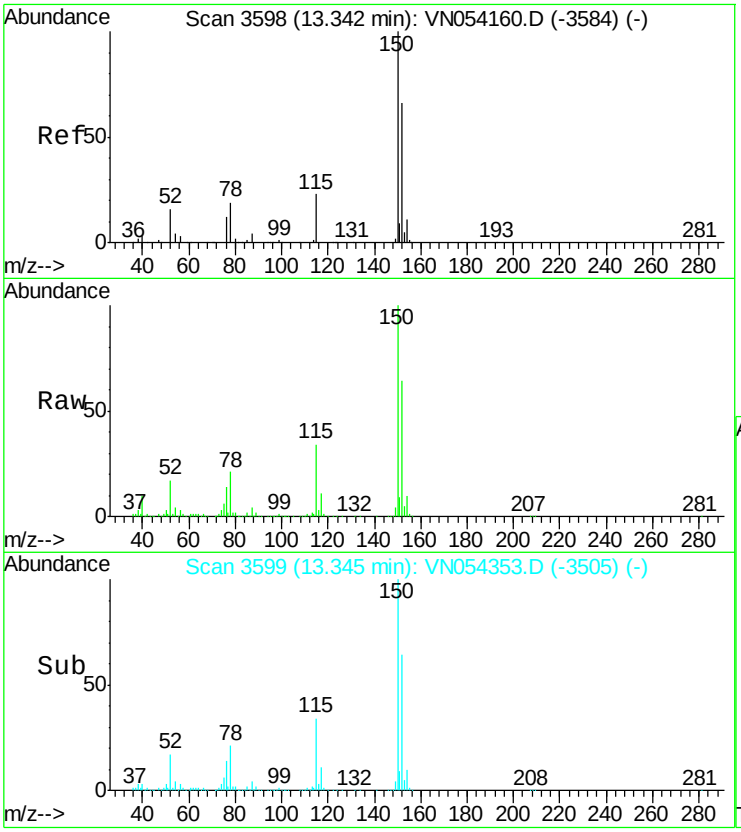




#71
Bromoform
Concen: 2.701 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion:173 Resp: 4846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 1057.2 | 24.4 | 73.2# |
| 254 | 0.0 | 0.1 | 0.1# |



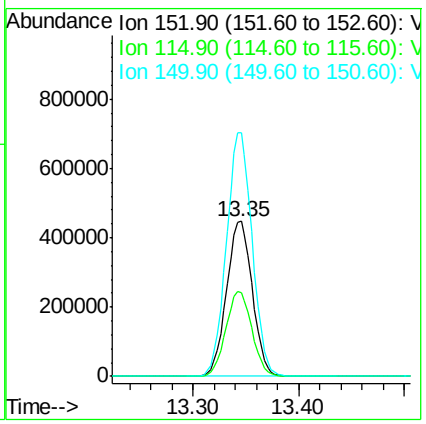


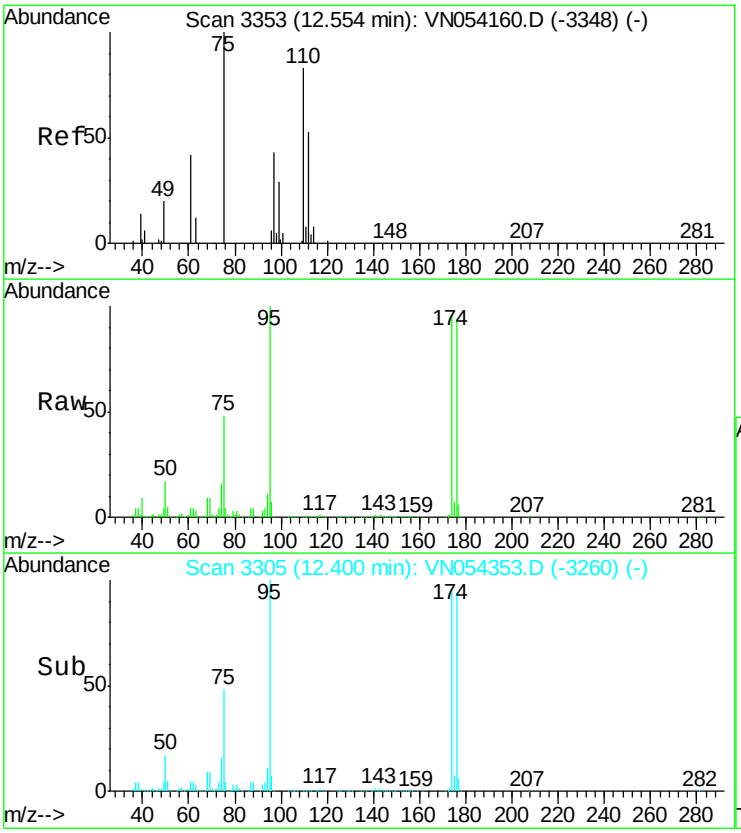

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :** MSVOA_N
**ClientSampleId :** W-1

Tgt Ion:152 Resp: 753553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.1 | 27.2 | 81.6 |
| 150 | 156.9 | 0.0 | 349.2 |

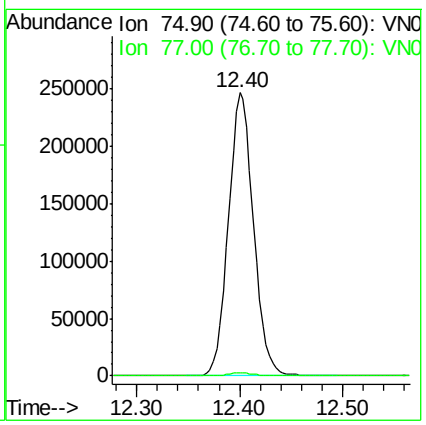


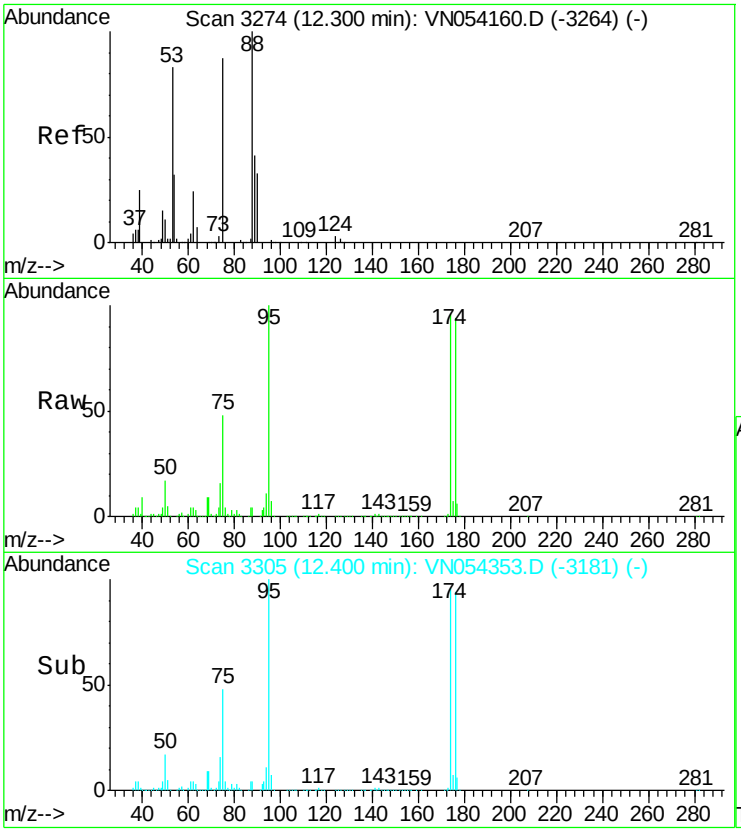




#76
1,2,3-Trichloropropane
Concen: 37.694 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion: 75 Resp: 417702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 0.0# |



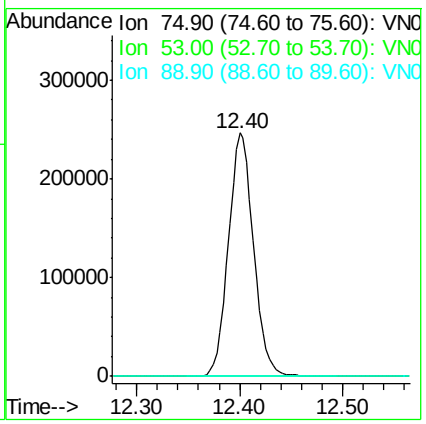


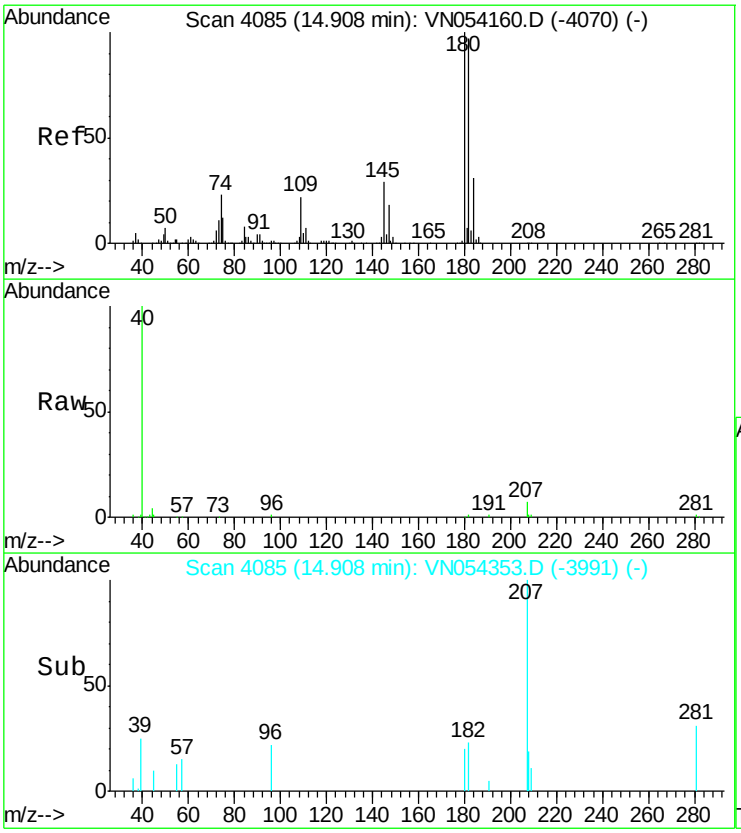

#81
trans-1,4-Dichloro-2-butene
Concen: 128.856 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion: 75 Resp: 417702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 76.2 | 114.2# |
| 89 | 0.0 | 39.2 | 58.8# |

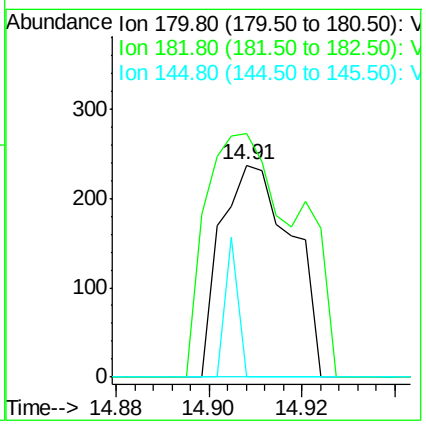


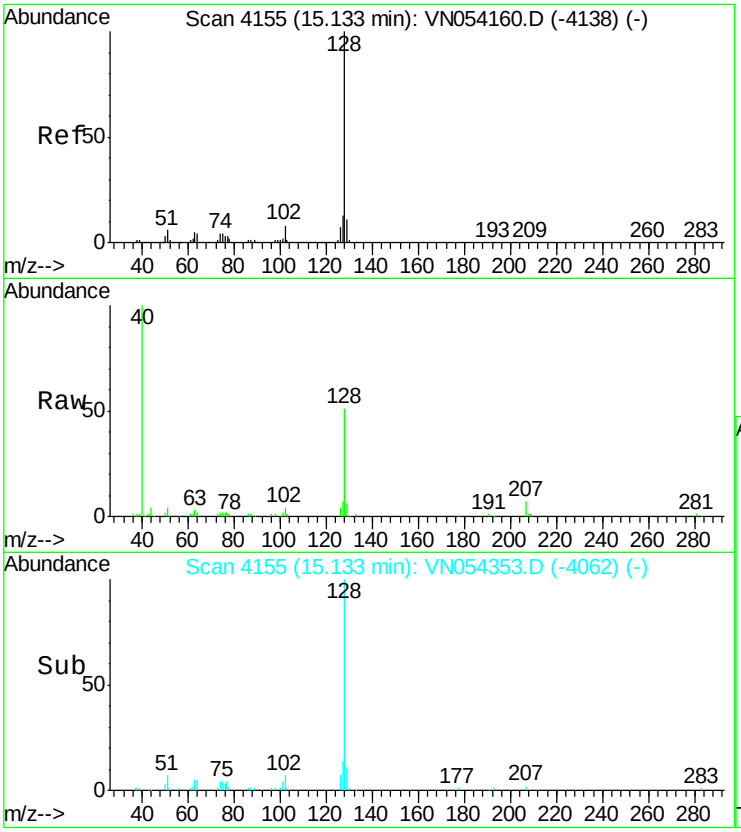




#93
1,2,4-Trichlorobenzene
Concen: 2.532 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

Tgt Ion:180 Resp: 253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 146.6 | 48.0 | 144.2# |
| 145 | 11.9 | 14.2 | 42.8# |






#95
Naphthalene
Concen: 4.785 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054353.D
Acq: 16 Mar 2019 22:41

**Instrument :**
MSVOA_N
**ClientSampleId :**
W-1

Tgt Ion:128 Resp: 46698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.2 | 8.7 | 13.1 |