Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102119\
Data File : VN058877.D
Acq On : 21 Oct 2019 11:05
Operator : JC/SP
Sample : K5452-07
Misc : 5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Quant Time: Oct 22 03:16:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.65 | 168 | 420812 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.57 | 114 | 681560 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 596293 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 223574 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.01 | 65 | 324686 | 52.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.22% | | | |
| 35) Dibromofluoromethane | 7.57 | 113 | 231261 | 51.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.22% | | | |
| 50) Toluene-d8 | 10.08 | 98 | 871685 | 50.11 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.22% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 277702 | 43.47 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.94% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.04 | 50 | 2672 | 0.411 | ug/l # | 85 |
| 11) Tert butyl alcohol | 4.74 | 59 | 241 | 0.235 | ug/l # | 72 |
| 16) Acetone | 3.80 | 43 | 9892 | 3.244 | ug/l | 99 |
| 25) 2-Butanone | 6.91 | 43 | 115596 | 29.199 | ug/l # | 51 |
| 29) Tetrahydrofuran | 7.20 | 42 | 1469 | 0.607 | ug/l # | 63 |
| 31) Cyclohexane | 7.64 | 56 | 10092 | 1.138 | ug/l # | 11 |
| 36) 1,1-Dichloropropene | 7.65 | 75 | 37268 | 5.341 | ug/l # | 50 |
| 37) Ethyl Acetate | 6.91 | 43 | 115596 | 15.204 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.65 | 117 | 44223 | 6.152 | ug/l # | 16 |
| 60) Dibromochloromethane | 10.63 | 129 | 7786 | 1.445 | ug/l # | 10 |
| 64) Tetrachloroethene | 10.63 | 164 | 8433 | 2.019 | ug/l | 93 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 147392 | 28.445 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 147392 | 74.103 | ug/l # | 10 |
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 29 | 2.527 | ug/l # | 13 |
| 95) Naphthalene | 15.14 | 128 | 510 | 2.263 | ug/l # | 70 |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180 | 419 | 2.486 | ug/l # | 19 |

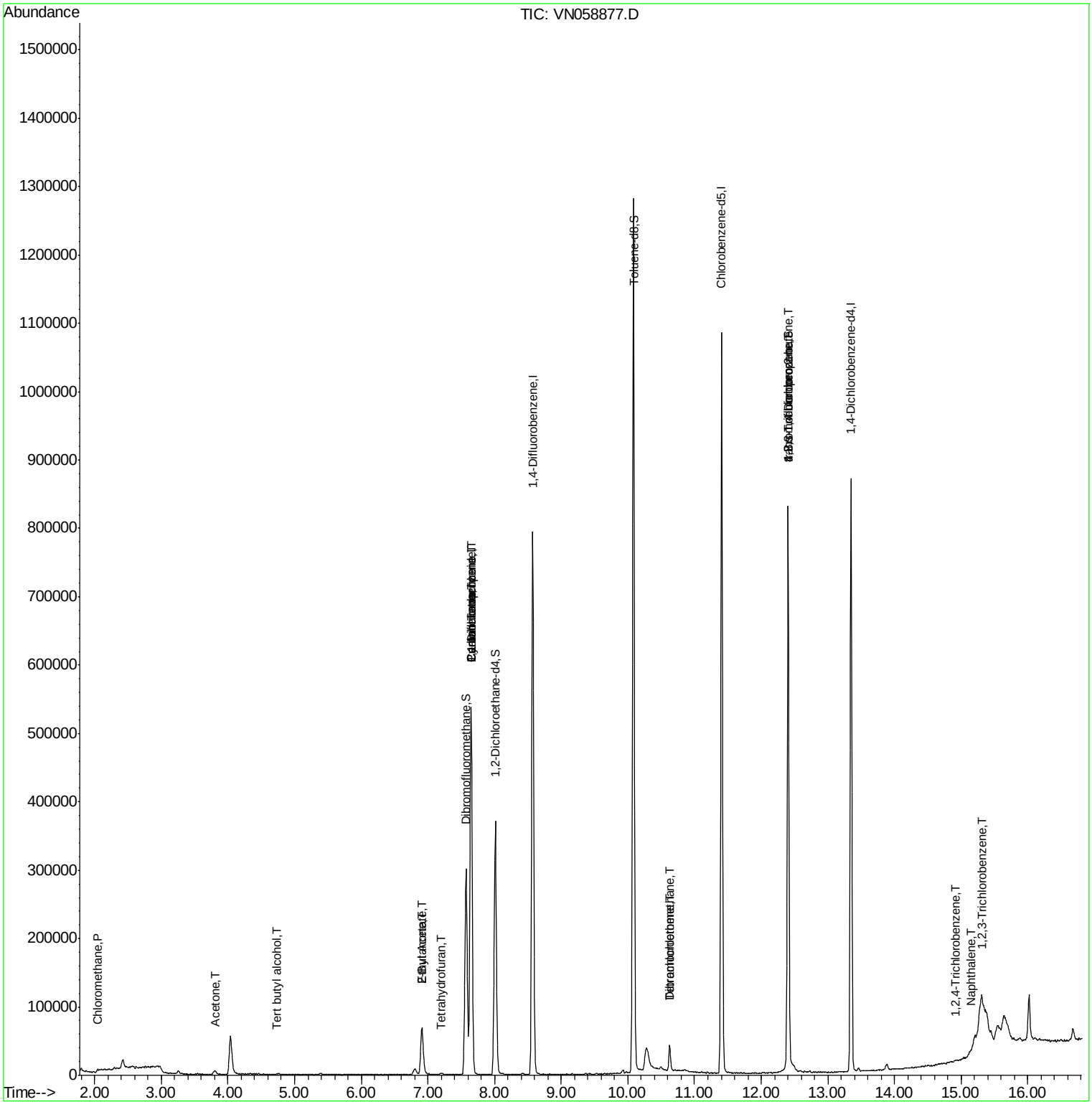
(#) = qualifier out of range (m) = manual integration (+) = signals summed

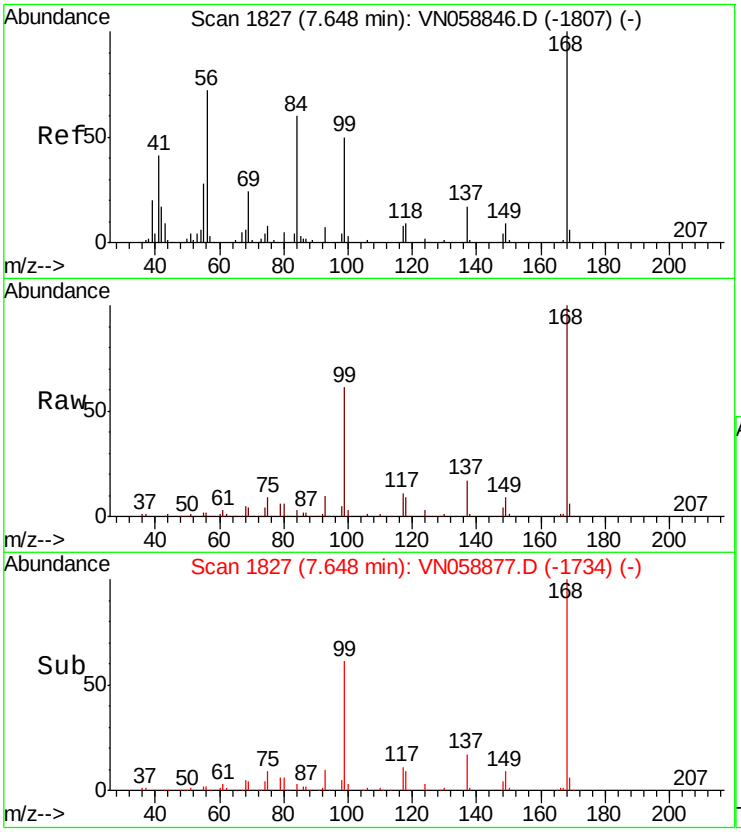
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102119\
Data File : VN058877.D
Acq On : 21 Oct 2019 11:05
Operator : JC/SP
Sample : K5452-07
Misc : 5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Quant Time: Oct 22 03:16:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration



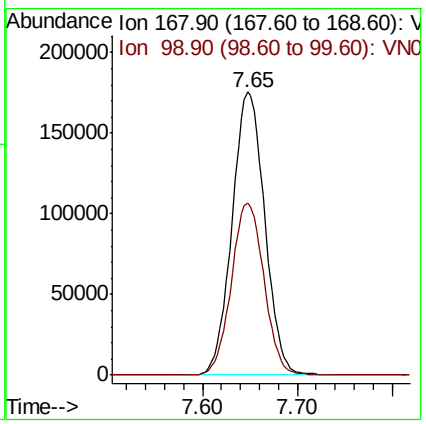


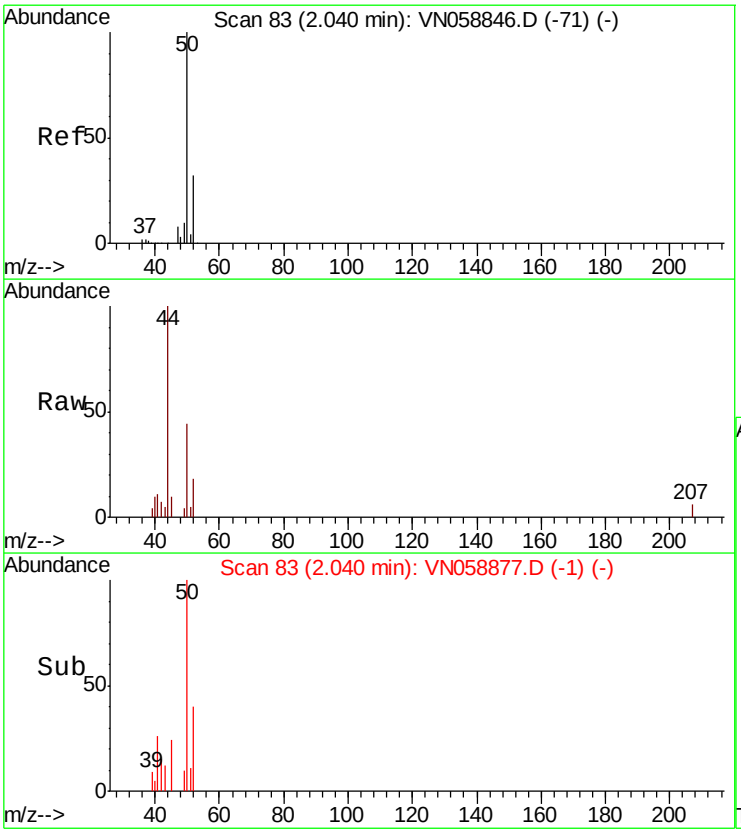

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion:168 Resp: 420812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.8 | 48.1 | 72.1 |

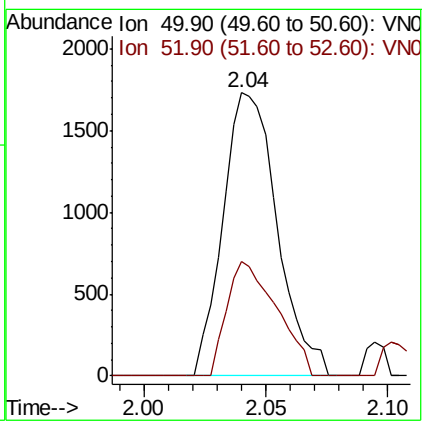


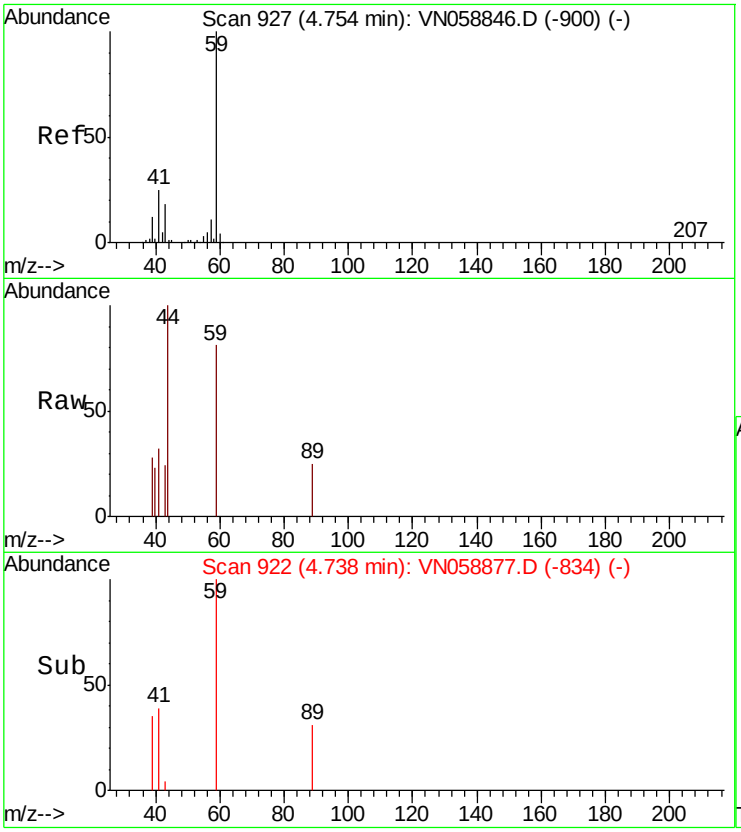




#3
Chloromethane
Concen: 0.411 ug/l
RT: 2.04 min Scan# 83
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 50 Resp: 2672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 40.5 | 25.7 | 38.5# |



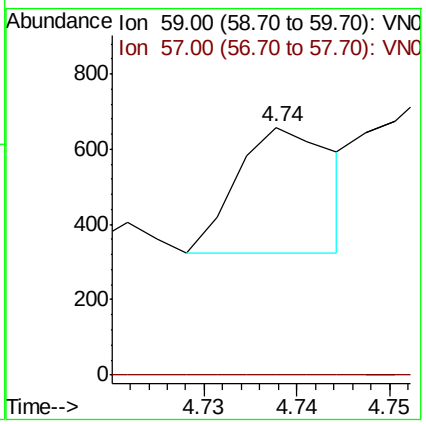


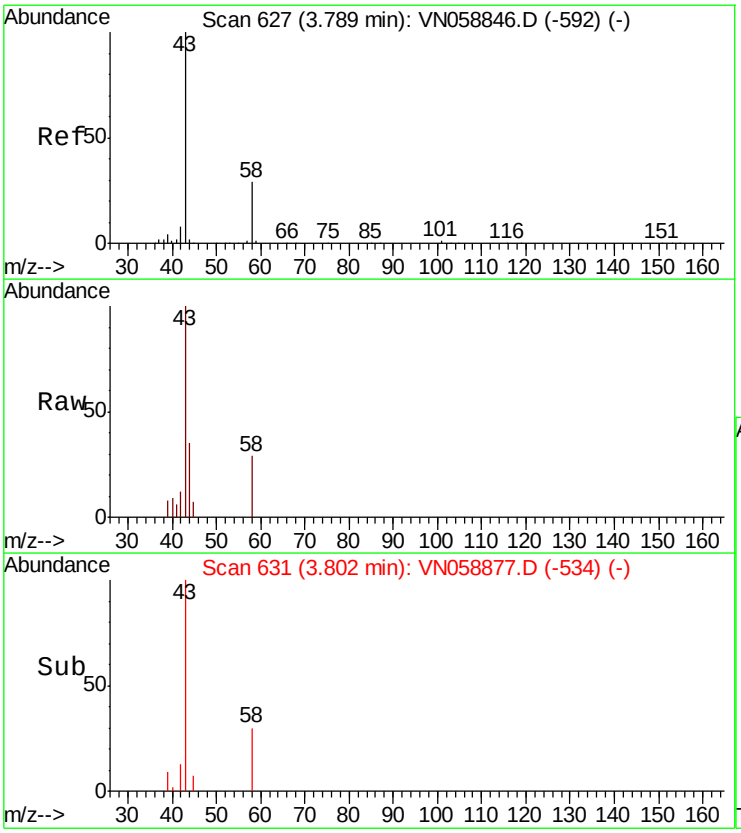

#11
Tert butyl alcohol
Concen: 0.235 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.02 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion: 59 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.6 | 12.8# |

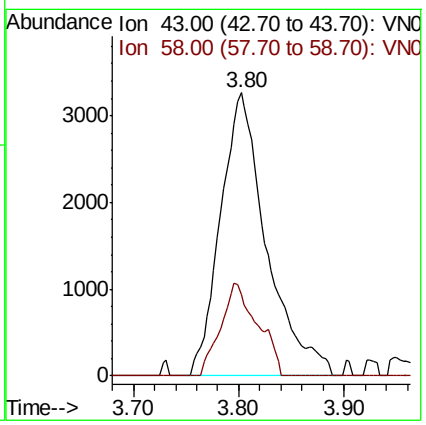


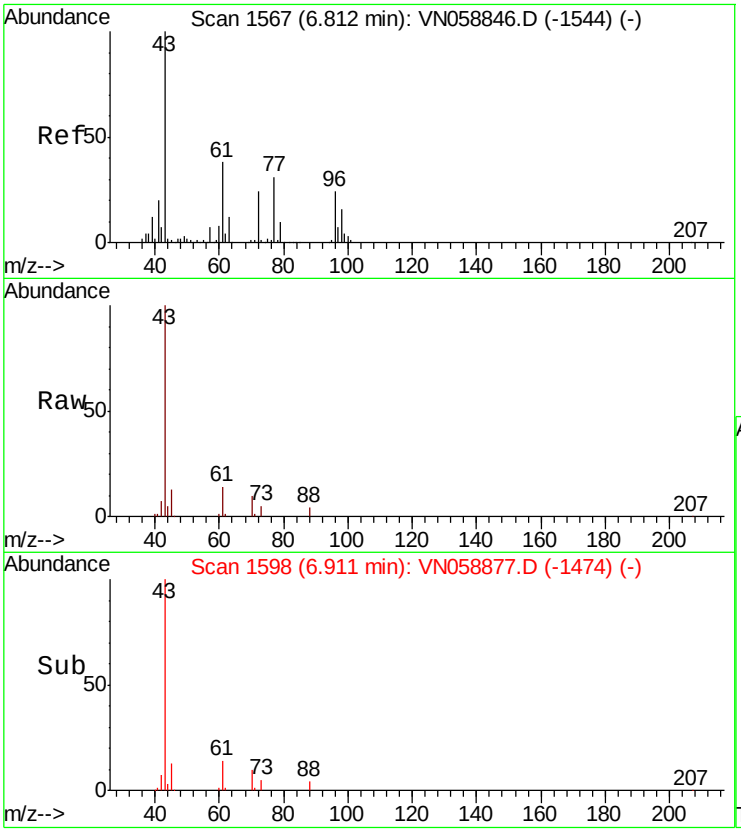




#16
Acetone
Concen: 3.244 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 43 Resp: 9892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.5 | 23.1 | 34.7 |



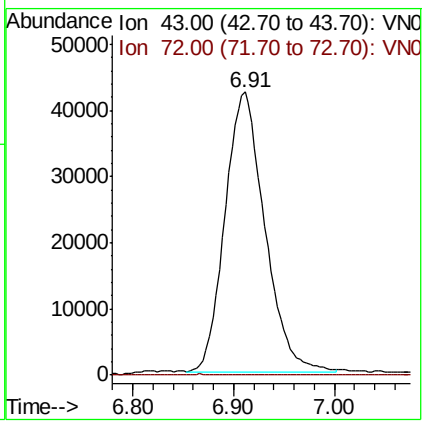


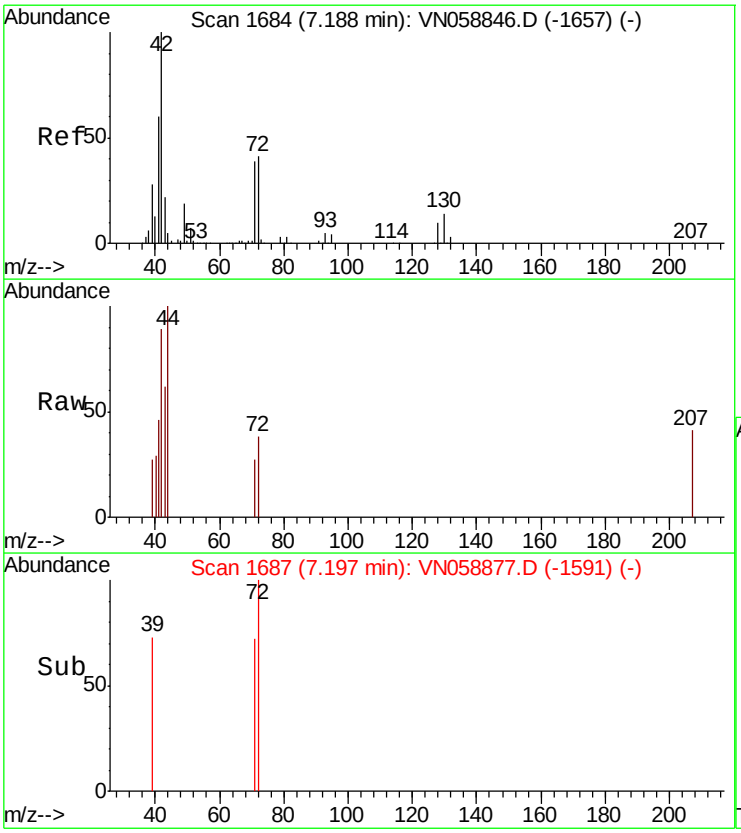

#25
2-Butanone
Concen: 29.199 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.10 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion: 43 Resp: 115596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 19.1 | 28.7# |

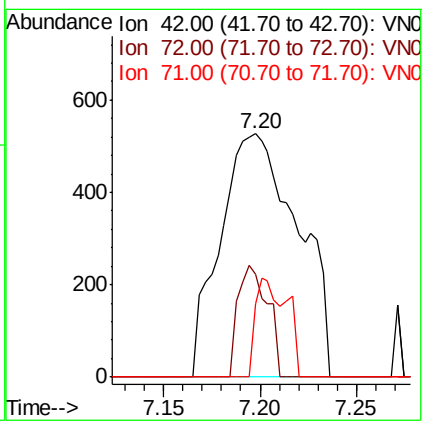


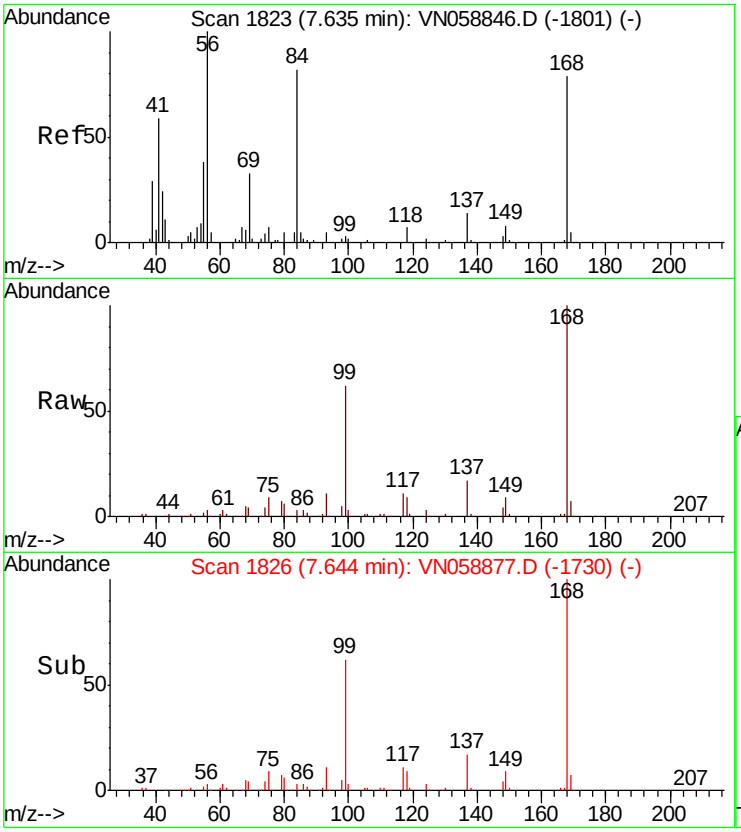




#29
Tetrahydrofuran
Concen: 0.607 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 42 Resp: 1469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 17.4 | 32.2 | 48.2# |
| 71 | 16.3 | 30.6 | 45.8# |



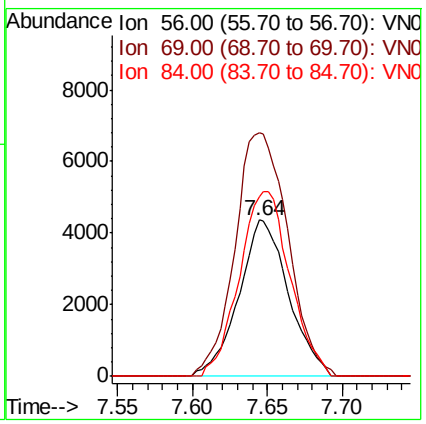


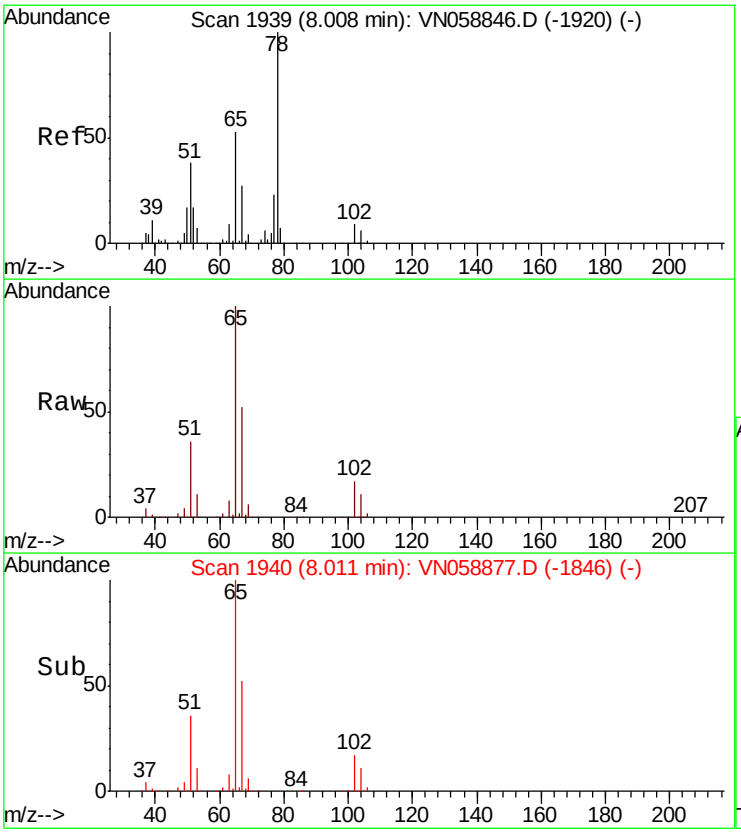

#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion: 56 Resp: 10092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 155.9 | 26.2 | 39.4# |
| 84 | 115.2 | 65.6 | 98.4# |

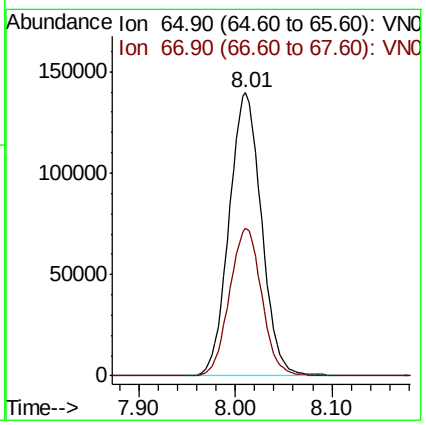


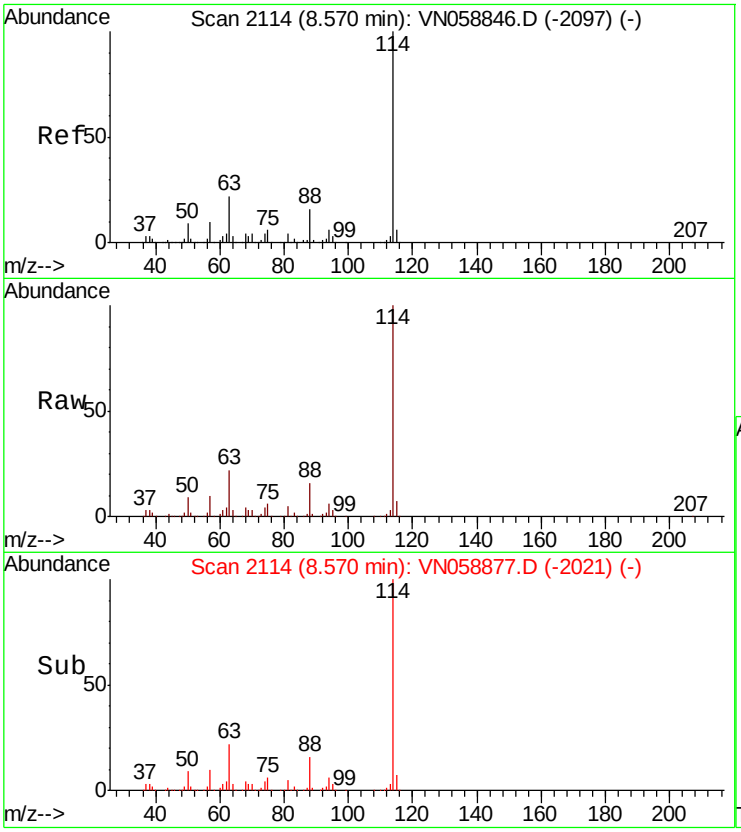




#33
1,2-Dichloroethane-d4
Concen: 52.607 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 65 Resp: 324686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.2 |



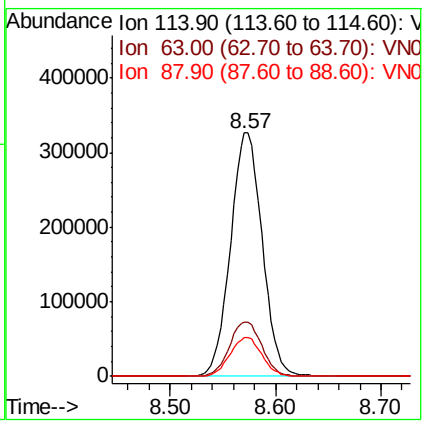


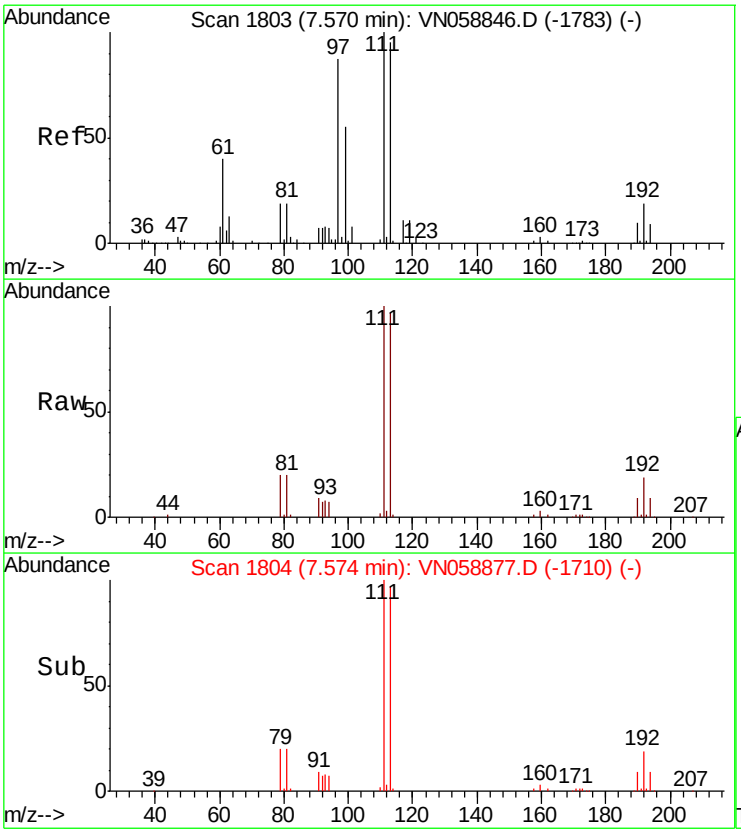

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion:114 Resp: 681560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.4 |
| 88 | 15.9 | 0.0 | 31.4 |

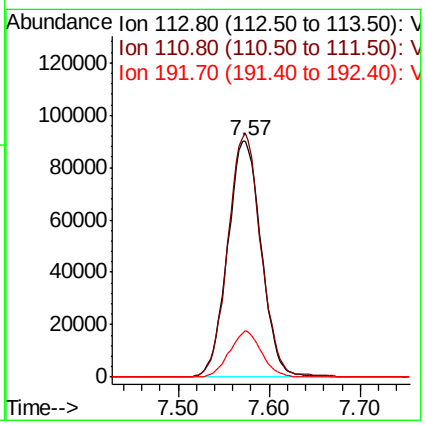


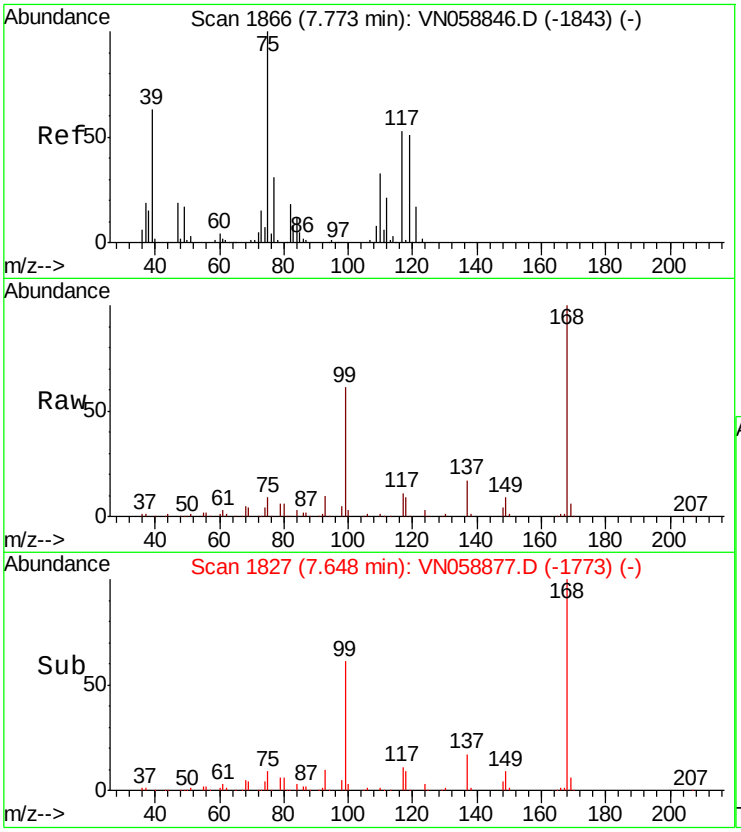




#35
Dibromofluoromethane
Concen: 51.608 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion:113 Resp: 231261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 82.0 | 123.0 |
| 192 | 18.5 | 15.0 | 22.6 |



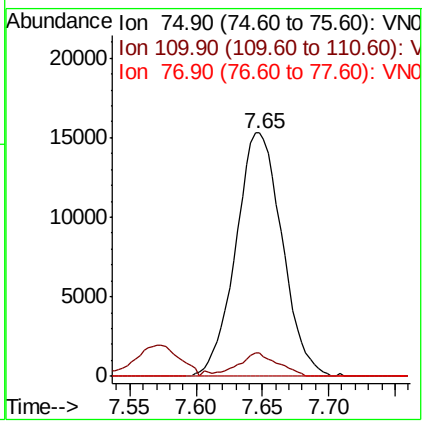


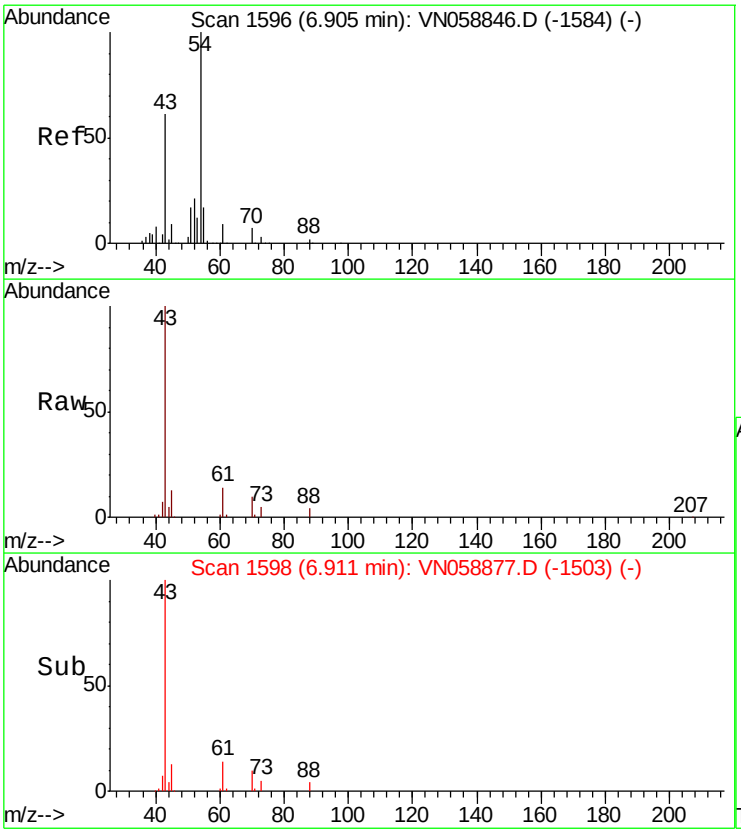

#36
1,1-Dichloropropene
Concen: 5.341 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion: 75 Resp: 37268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.2 | 16.3 | 48.9# |
| 77 | 0.0 | 24.6 | 36.8# |

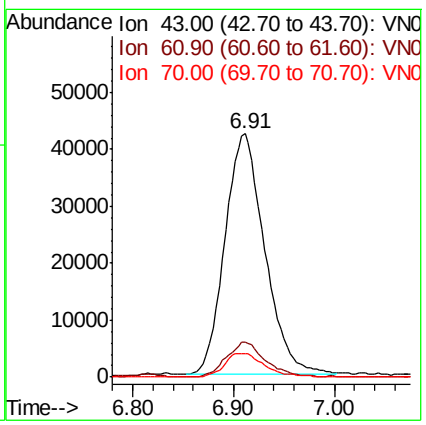


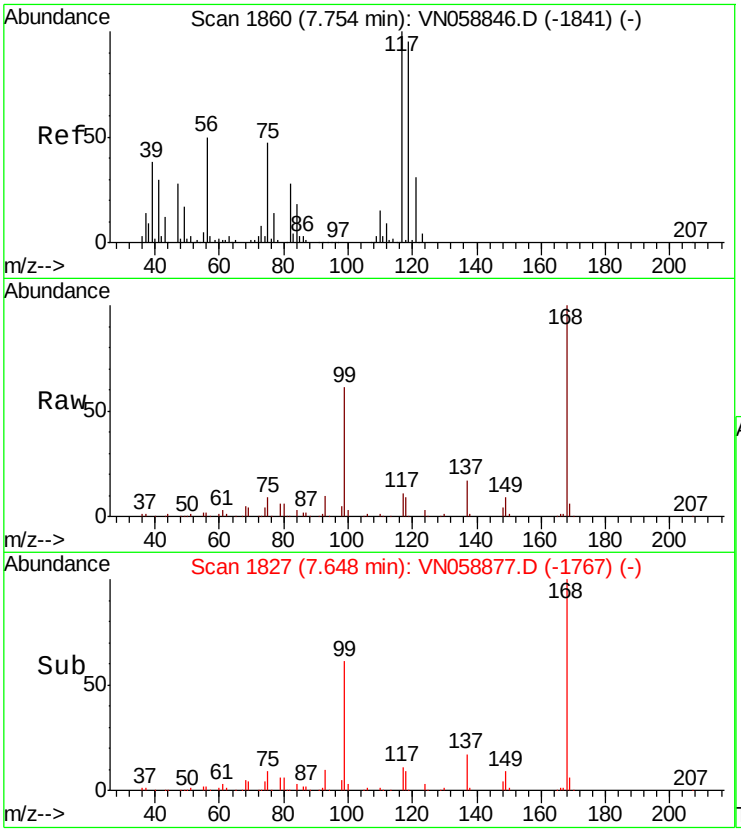




#37
Ethyl Acetate
Concen: 15.204 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 43 Resp: 115596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.3 | 10.5 | 15.7 |
| 70 | 10.0 | 7.6 | 11.4 |



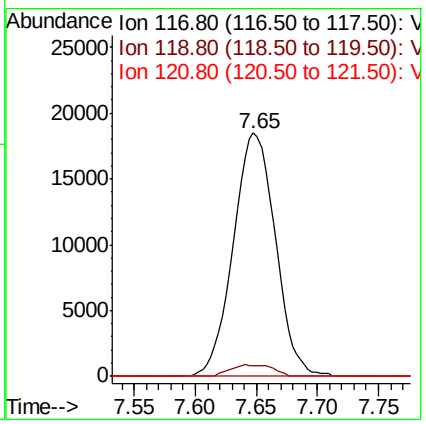


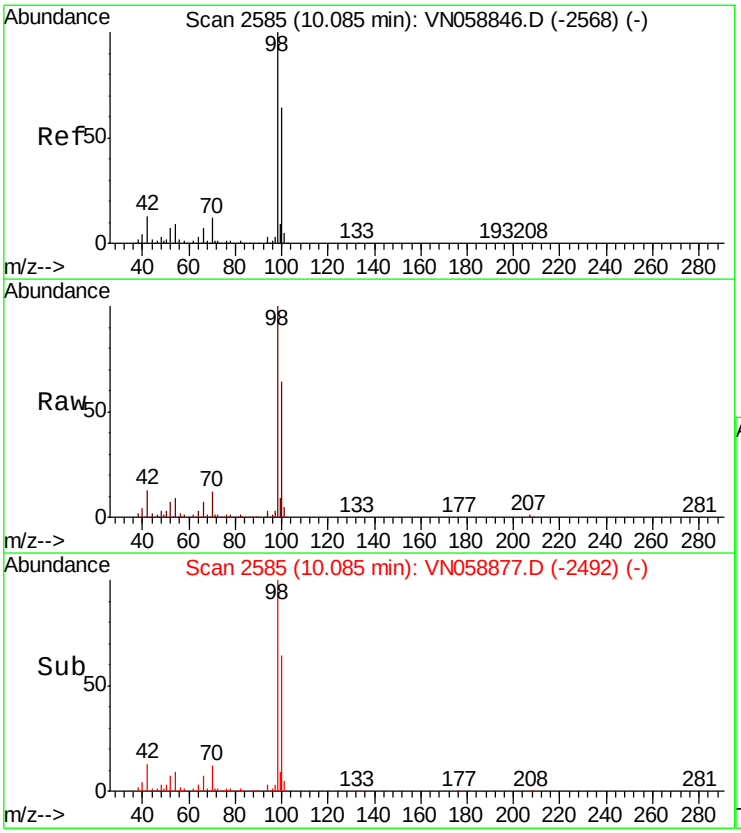

#38
Carbon Tetrachloride
Concen: 6.152 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion:117 Resp: 44223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.4 | 75.7 | 113.5# |
| 121 | 0.0 | 25.0 | 37.6# |

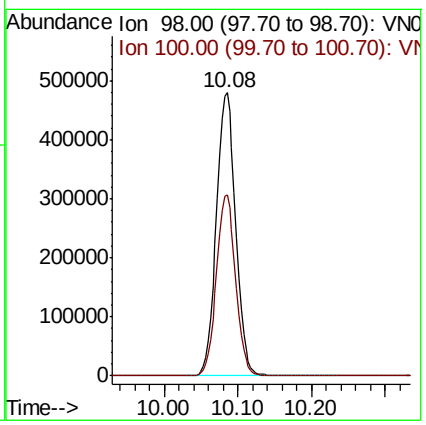


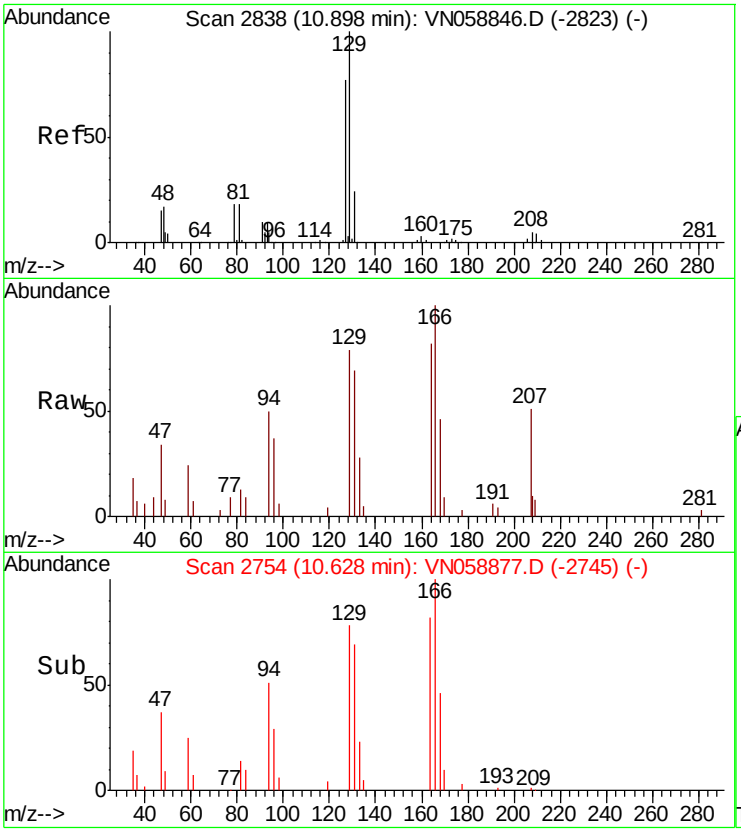




#50
Toluene-d8
Concen: 50.111 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 98 Resp: 871685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.5 | 51.4 | 77.2 |



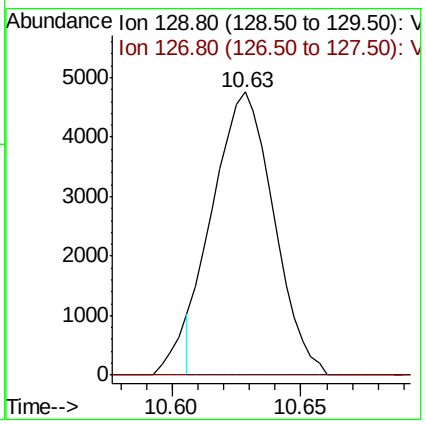


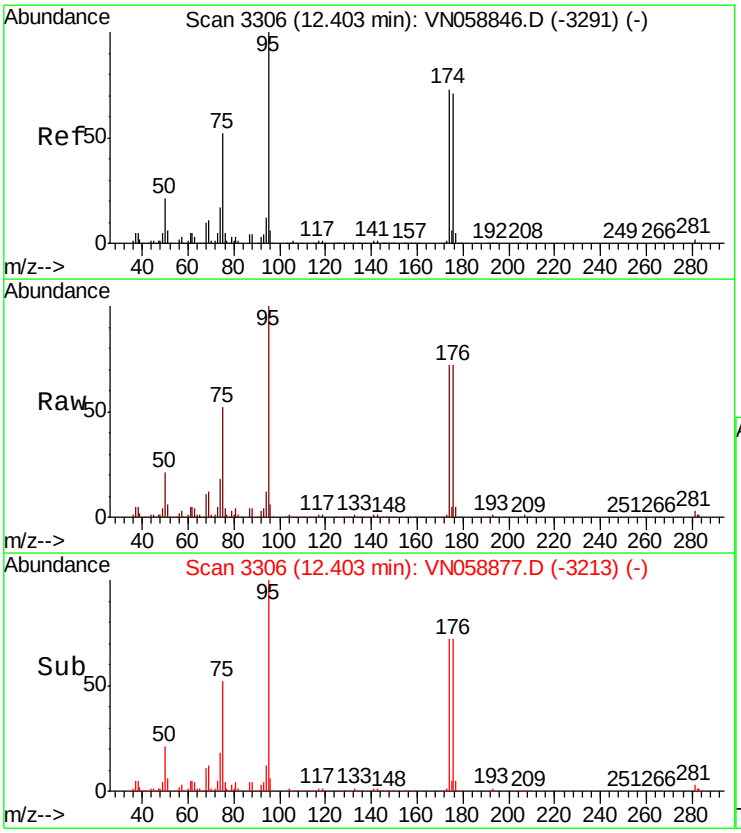

#60
Dibromochloromethane
Concen: 1.445 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion:129 Resp: 7786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 39.1 | 117.3# |

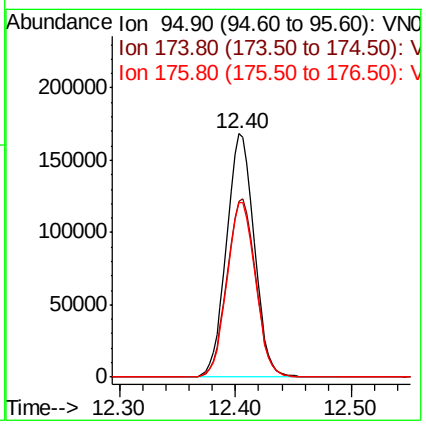


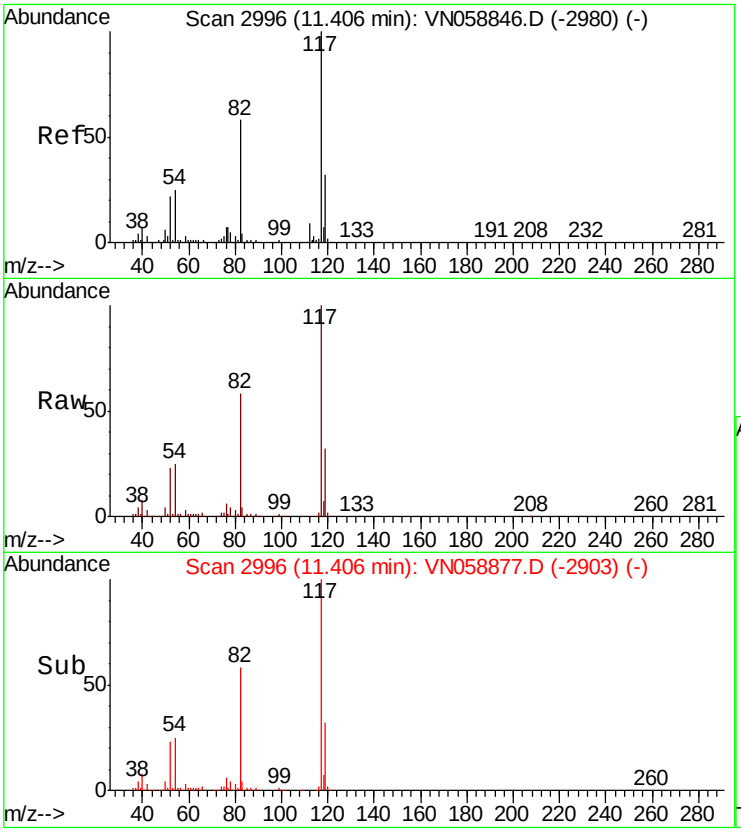




#62
4-Bromofluorobenzene
Concen: 43.473 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 95 Resp: 277702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.8 | 0.0 | 147.6 |
| 176 | 73.5 | 0.0 | 143.2 |



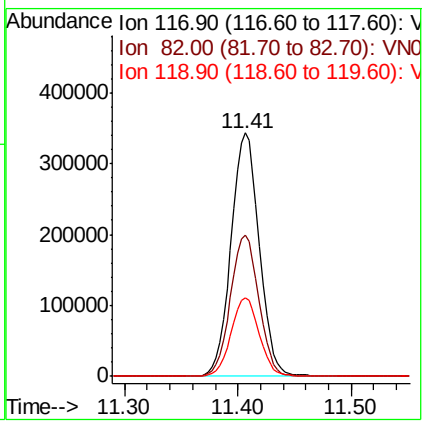


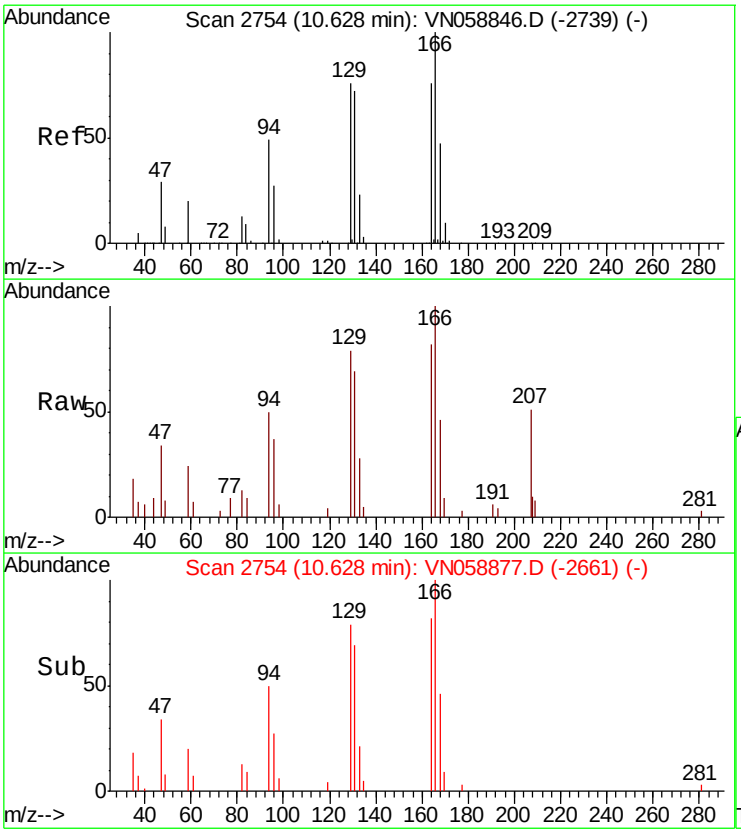

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion:117 Resp: 596293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 46.6 | 69.8 |
| 119 | 32.3 | 25.6 | 38.4 |

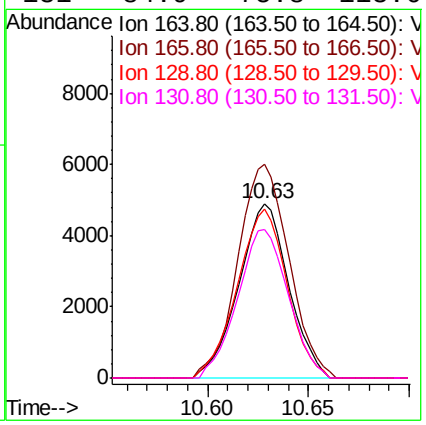


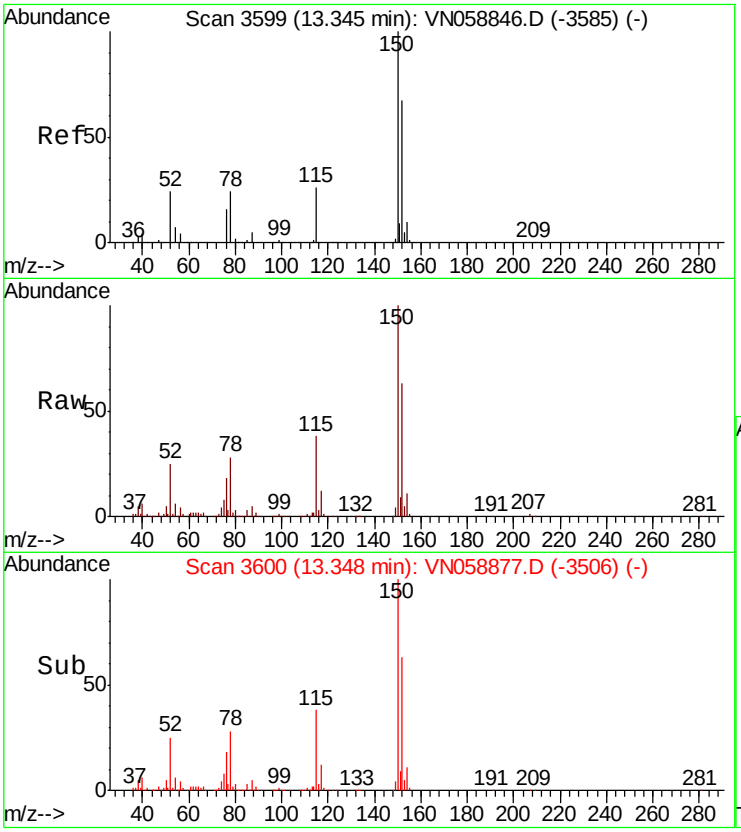




#64
Tetrachloroethene
Concen: 2.019 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion:164 Resp: 8433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.3 | 104.8 | 157.2 |
| 129 | 96.9 | 79.3 | 118.9 |
| 131 | 84.9 | 75.8 | 113.6 |



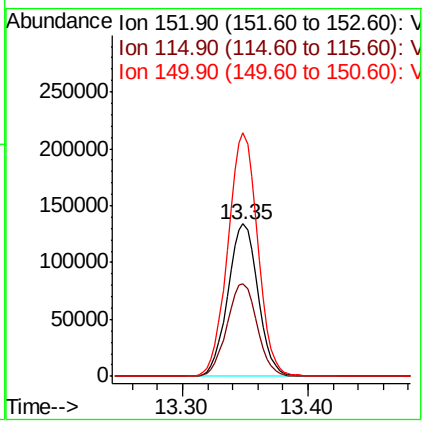


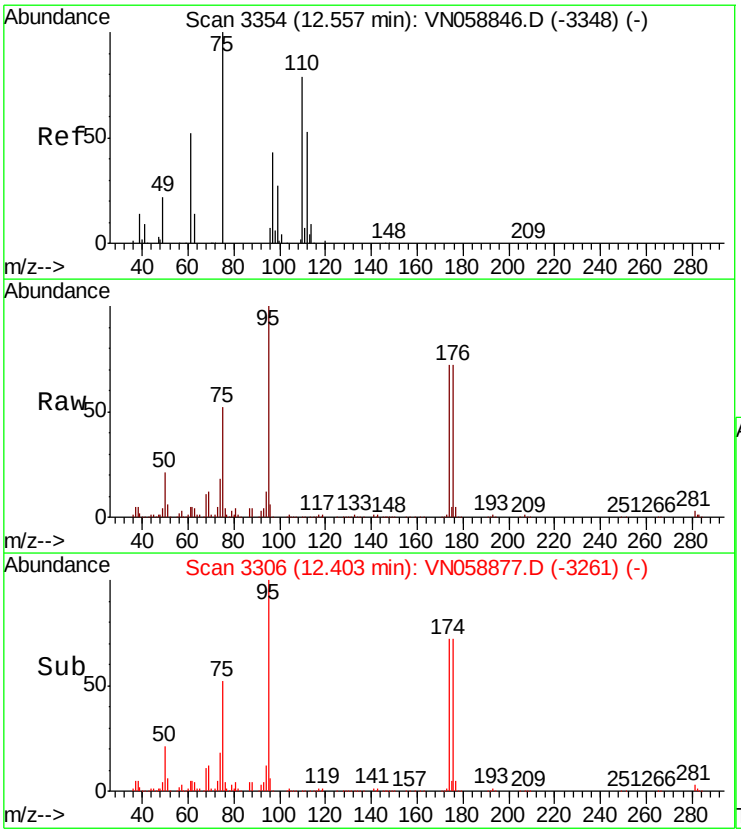

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :**
MSVOA_N
**ClientSampleId :**
FA19-MMW0422

Tgt Ion:152 Resp: 223574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 30.5 | 91.5 |
| 150 | 157.7 | 0.0 | 344.4 |

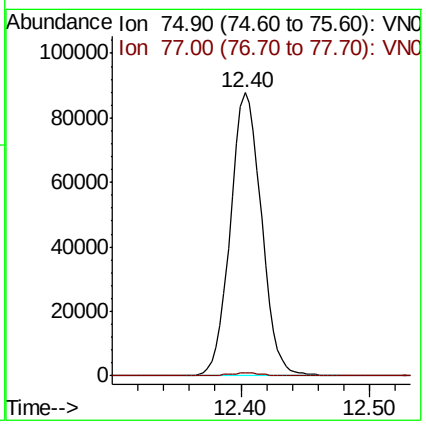


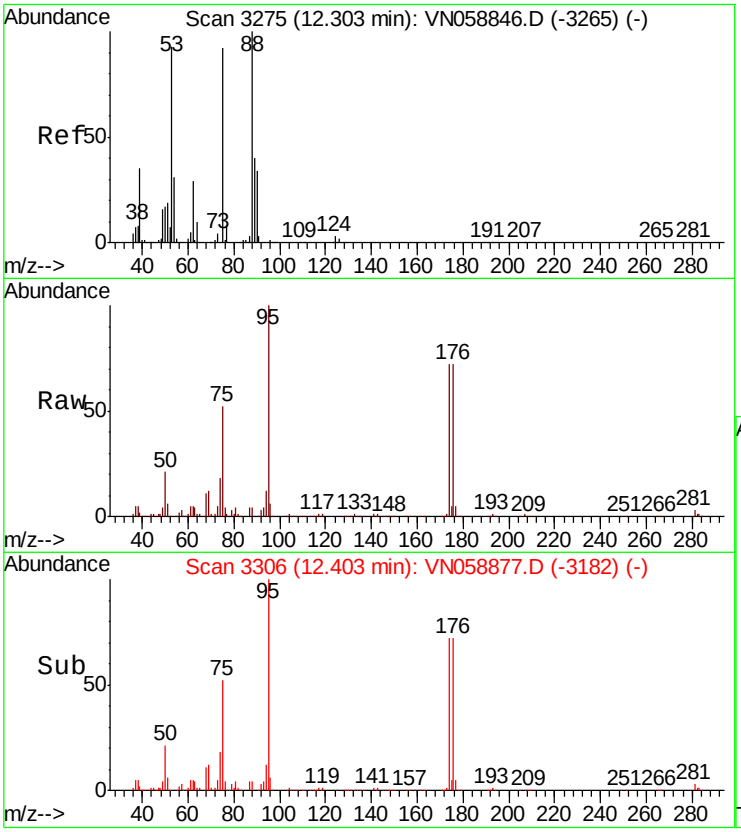




#76
1,2,3-Trichloropropane
Concen: 28.445 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion: 75 Resp: 147392

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



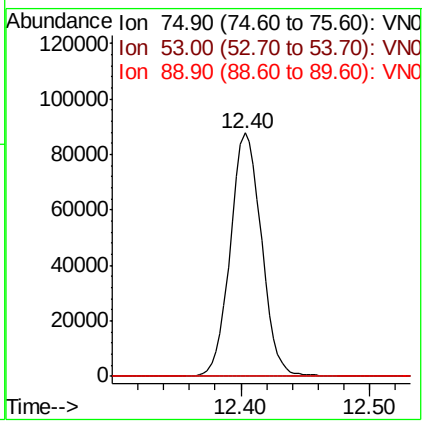


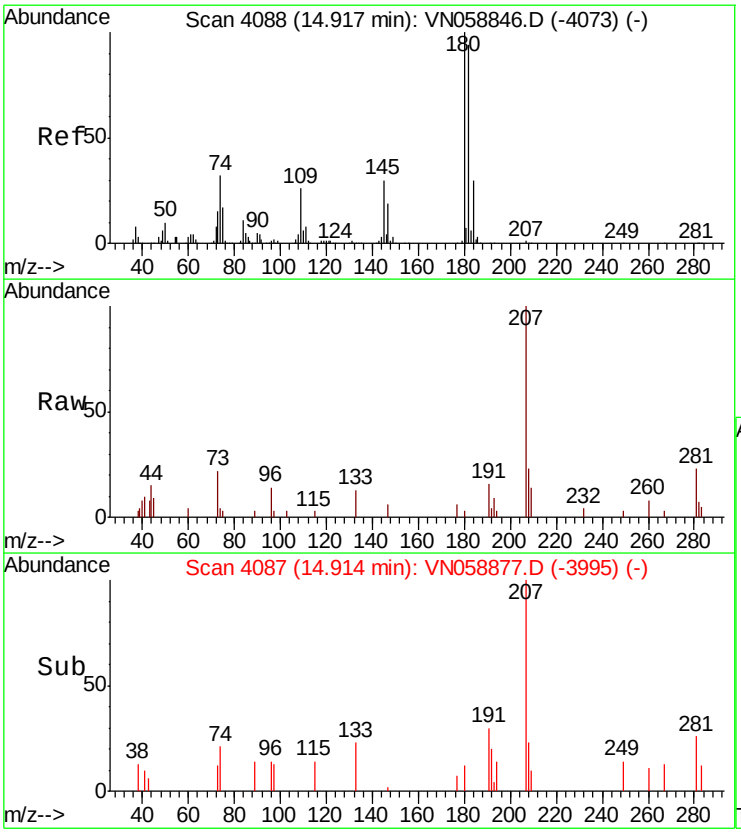

#81
trans-1,4-Dichloro-2-butene
Concen: 74.103 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion: 75 Resp: 147392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 78.6 | 118.0# |
| 89 | 0.0 | 35.4 | 53.0# |

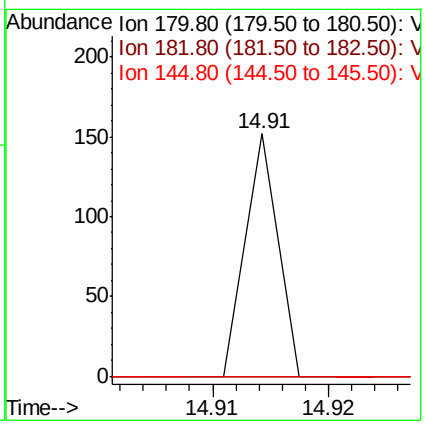


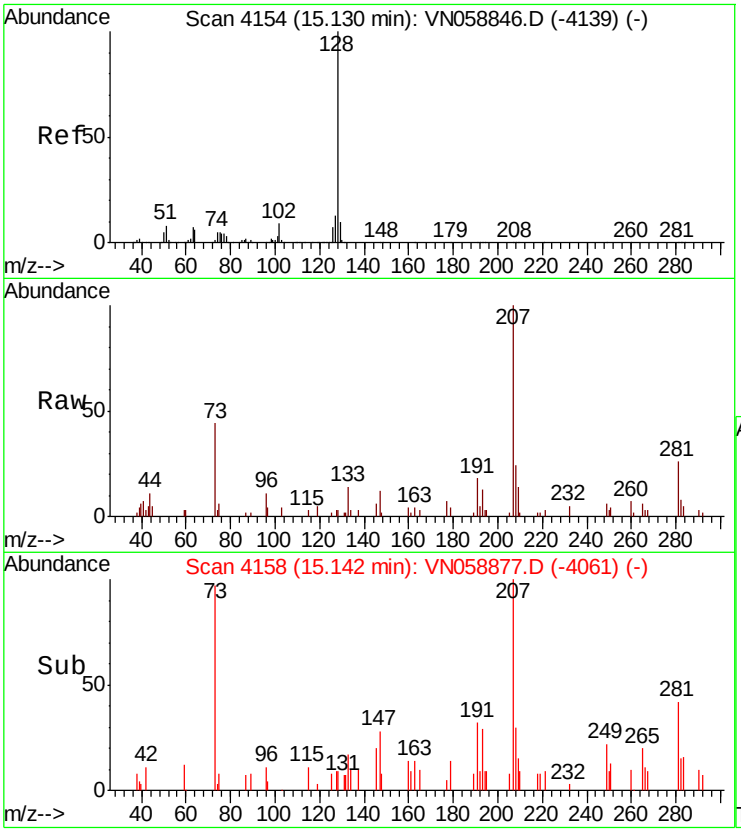




#93
1,2,4-Trichlorobenzene
Concen: 2.527 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion:180 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 0.0 | 47.3 | 142.0# |
| 145 | 0.0 | 15.3 | 45.8# |



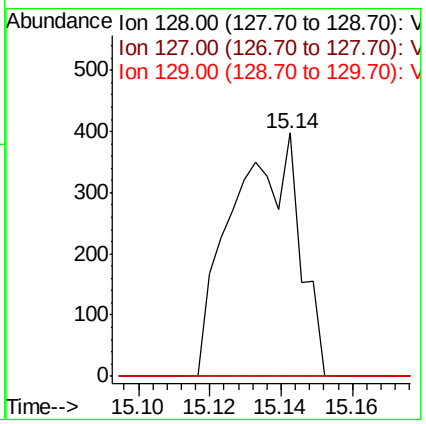


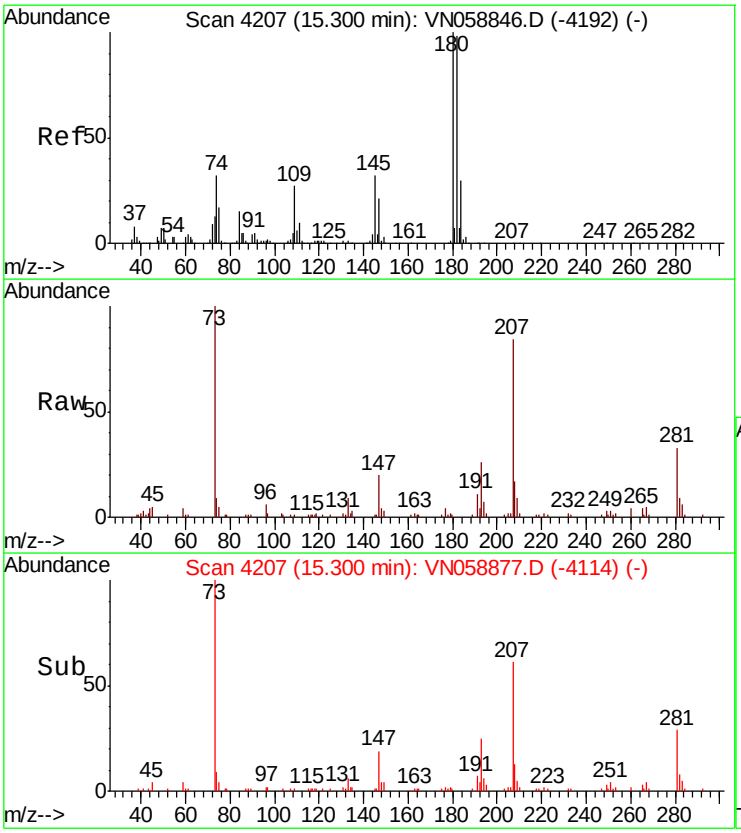

#95
Naphthalene
Concen: 2.263 ug/l
RT: 15.14 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

**Instrument :** MSVOA_N
**ClientSampleId :** FA19-MMW0422

Tgt Ion:128 Resp: 510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.2 | 15.2# |
| 129 | 0.0 | 8.4 | 12.6# |




#96
1,2,3-Trichlorobenzene
Concen: 2.486 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058877.D
Acq: 21 Oct 2019 11:05

Tgt Ion:180 Resp: 419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 0.0 | 47.9 | 143.7# |
| 145 | 47.0 | 15.9 | 47.7 |