Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD062018\
Data File : VD058211.D
Acq On : 20 Jun 2018 15:48
Operator : VA/AP
Sample : J3554-06RE
Misc : 6.28g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** A-5(2.5)

Quant Time: Jun 21 01:45:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 678334 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.70 | 114 | 872654 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.69 | 117 | 717661 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.91 | 152 | 357544 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 345588 | 50.44 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 100.88% | | | |
| 35) Dibromofluoromethane | 5.55 | 113 | 352684 | 49.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.32% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 796937 | 46.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.76% | | | |
| 62) 4-Bromofluorobenzene | 11.93 | 95 | 322658 | 45.97 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.94% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.49 | 50 | 193 | Below Cal | # | 43 |
| 16) Acetone | 2.61 | 43 | 5936 | 6.335 ug/l | # | 62 |
| 20) Methylene Chloride | 3.07 | 84 | 8328 | Below Cal | # | 82 |
| 29) Tetrahydrofuran | 5.20 | 42 | 2476 | 2.278 ug/l | # | 37 |
| 31) Cyclohexane | 5.65 | 56 | 15458 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 5.64 | 75 | 52223 | 6.049 ug/l | # | 50 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 55674 | 6.491 ug/l | # | 15 |
| 81) trans-1,4-Dichloro-2-buten | 11.93 | 75 | 149933 | 117.763 ug/l | # | 1 |
| 82) 4-Chlorotoluene | 12.33 | 91 | 829 | Below Cal | # | 45 |

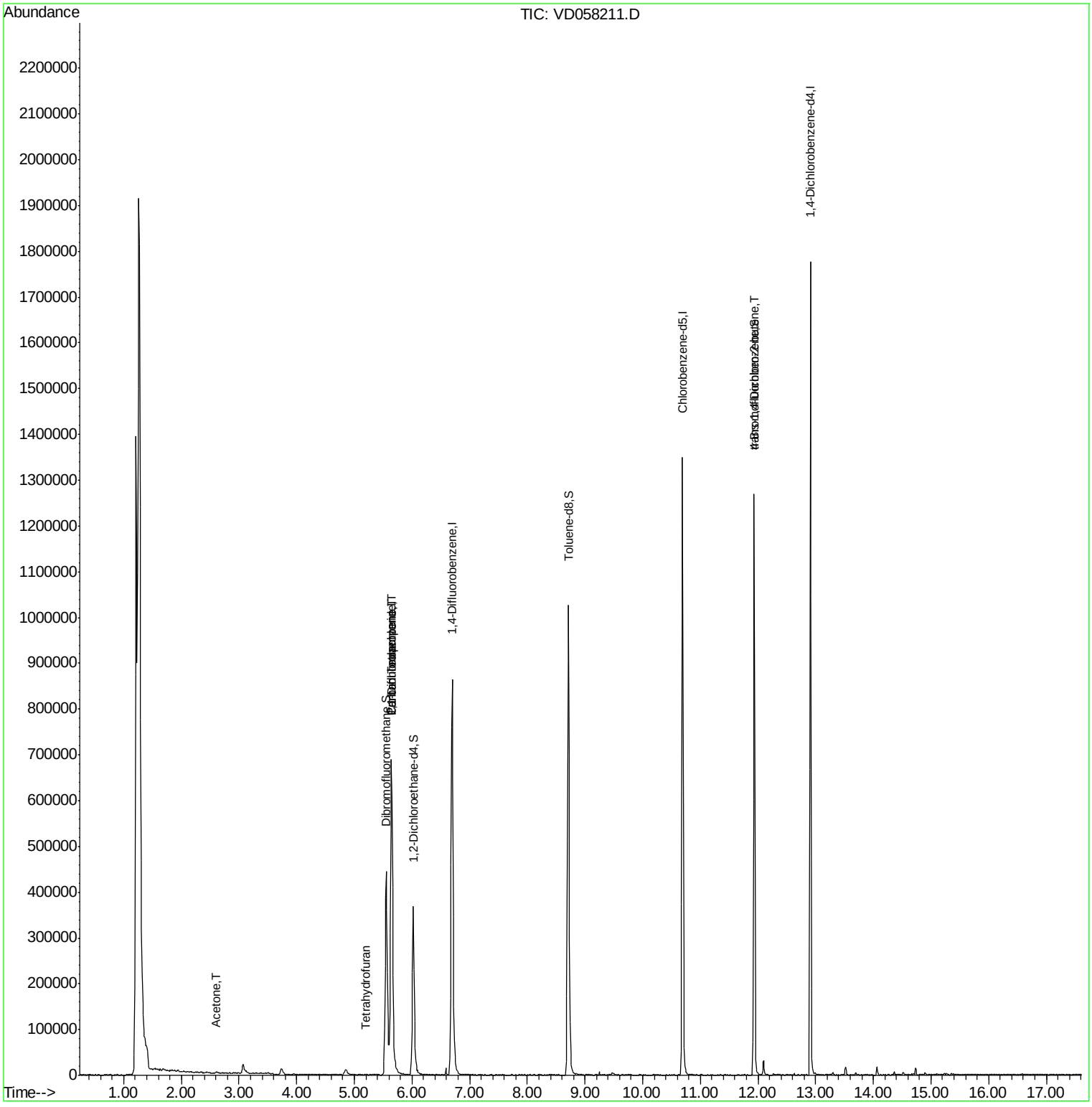
(#) = qualifier out of range (m) = manual integration (+) = signals summed

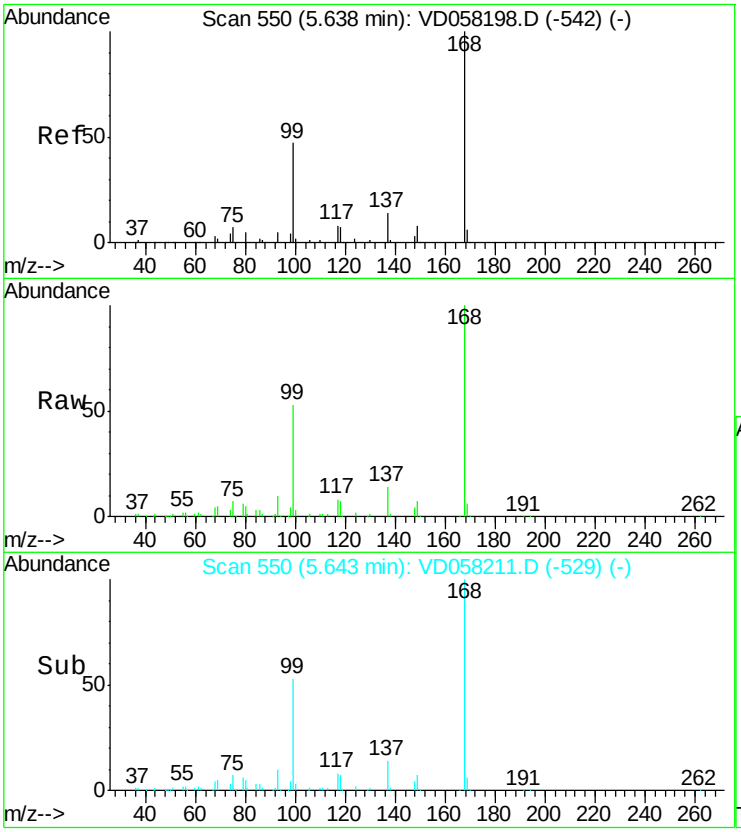
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058211.D
Acq On : 20 Jun 2018 15:48
Operator : VA/AP
Sample : J3554-06RE
Misc : 6.28g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Quant Time: Jun 21 01:45:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration



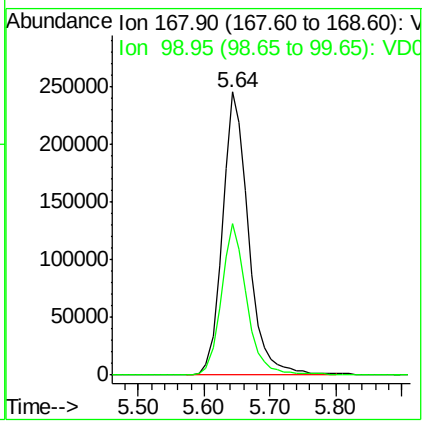


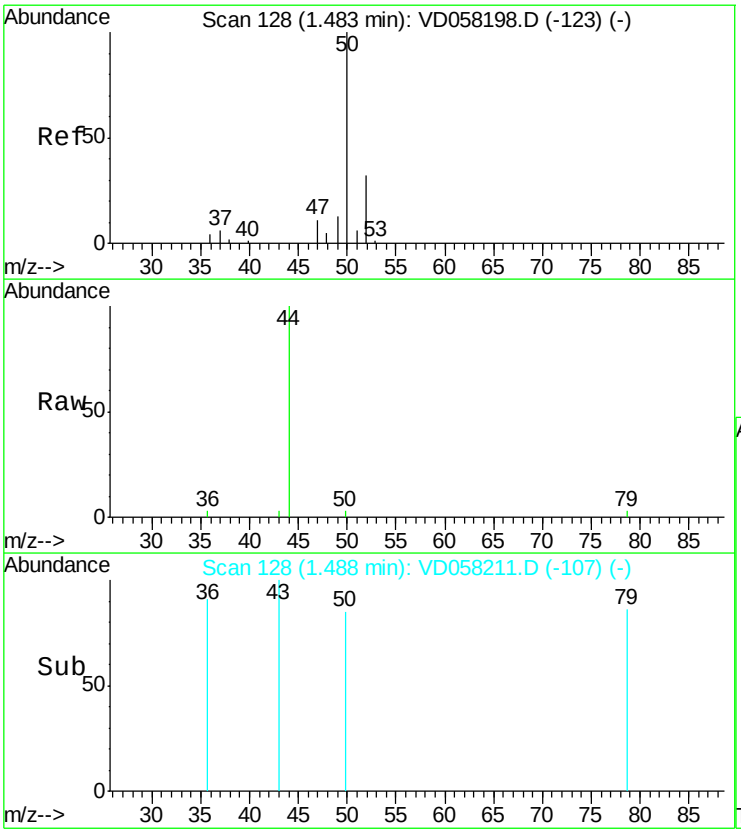

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion:168 Resp: 678334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.4 | 41.1 | 61.7 |

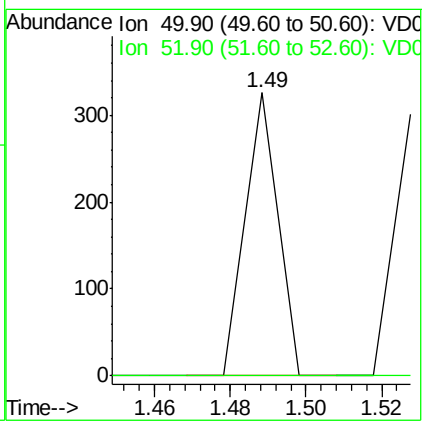


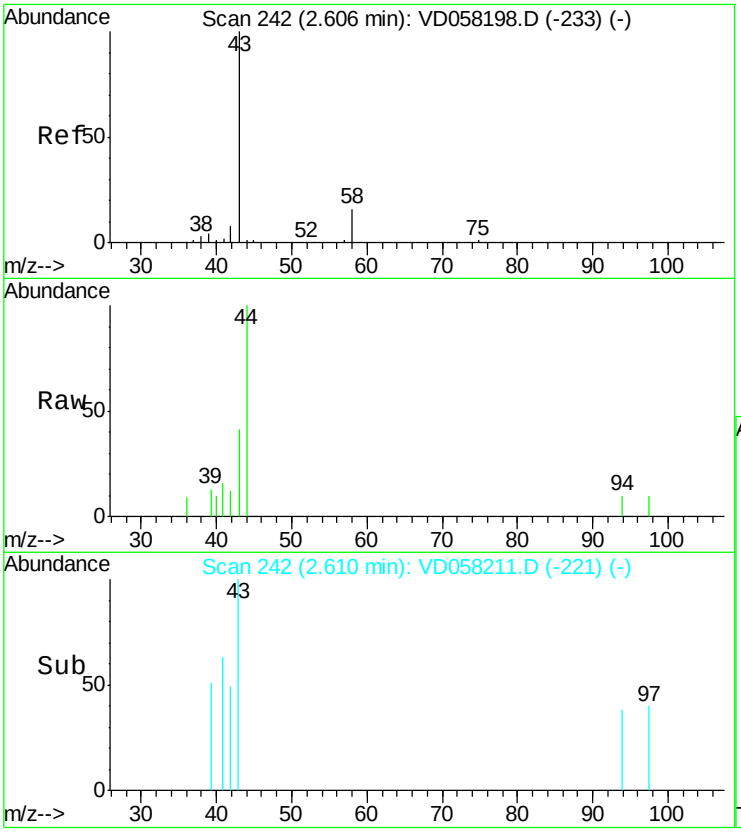




#3
Chloromethane
Concen: Below Cal
RT: 1.49 min Scan# 128
Delta R.T. 0.01 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 50 Resp: 193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 25.0 | 37.4# |



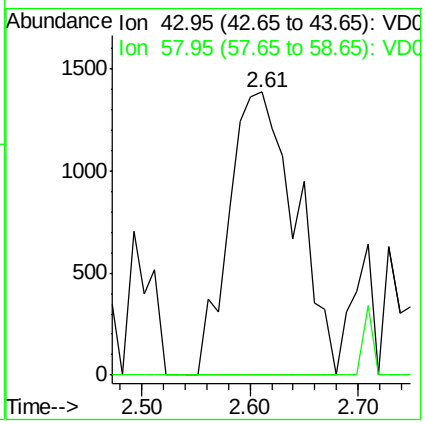


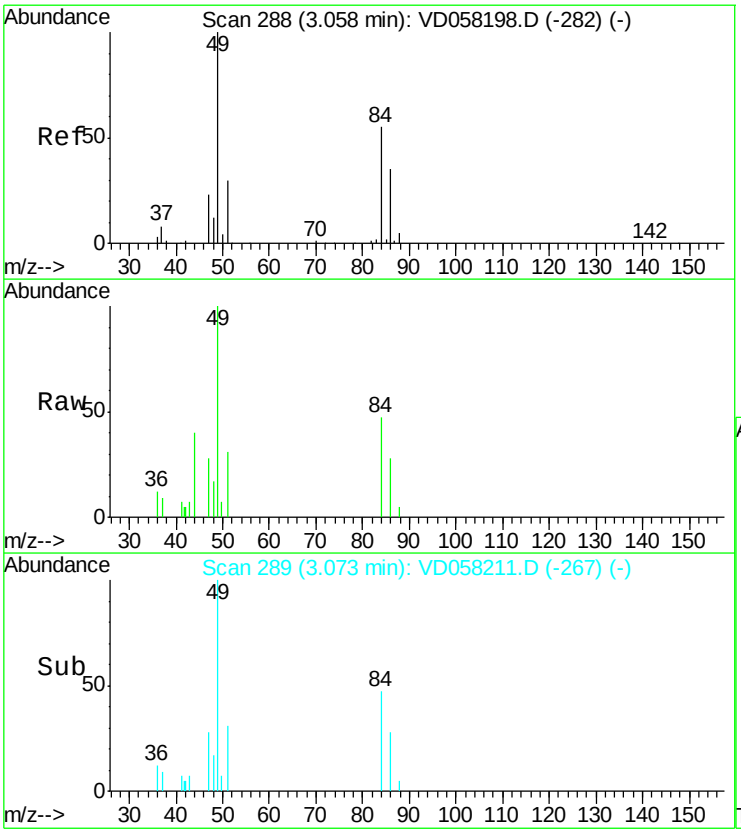

#16
Acetone
Concen: 6.335 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion: 43 Resp: 5936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 12.7 | 19.1# |

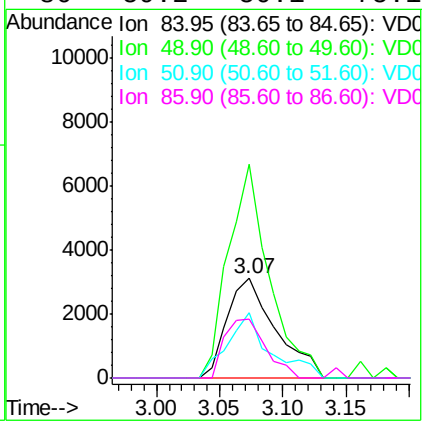


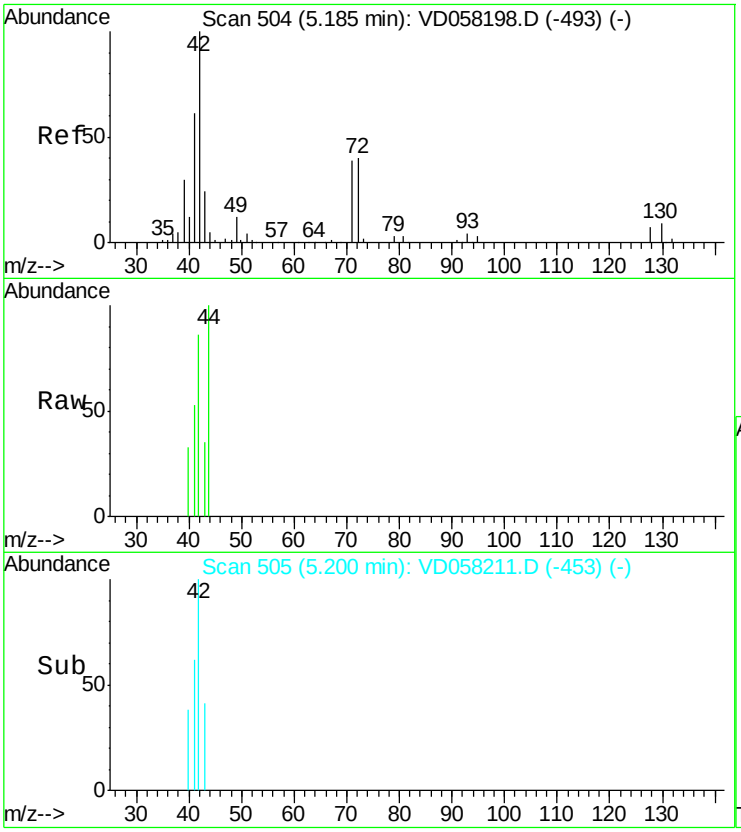




#20
Methylene Chloride
Concen: Below Cal
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 84 Resp: 8328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 214.5 | 145.0 | 217.6 |
| 51 | 65.7 | 42.9 | 64.3# |
| 86 | 59.2 | 50.1 | 75.1 |



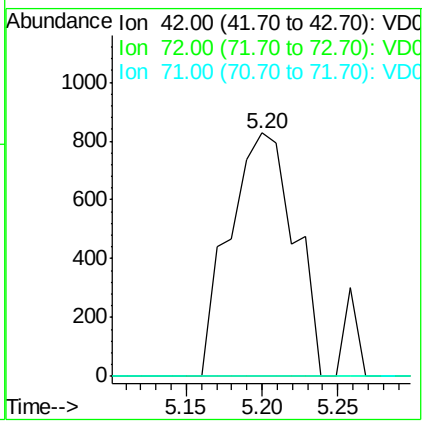


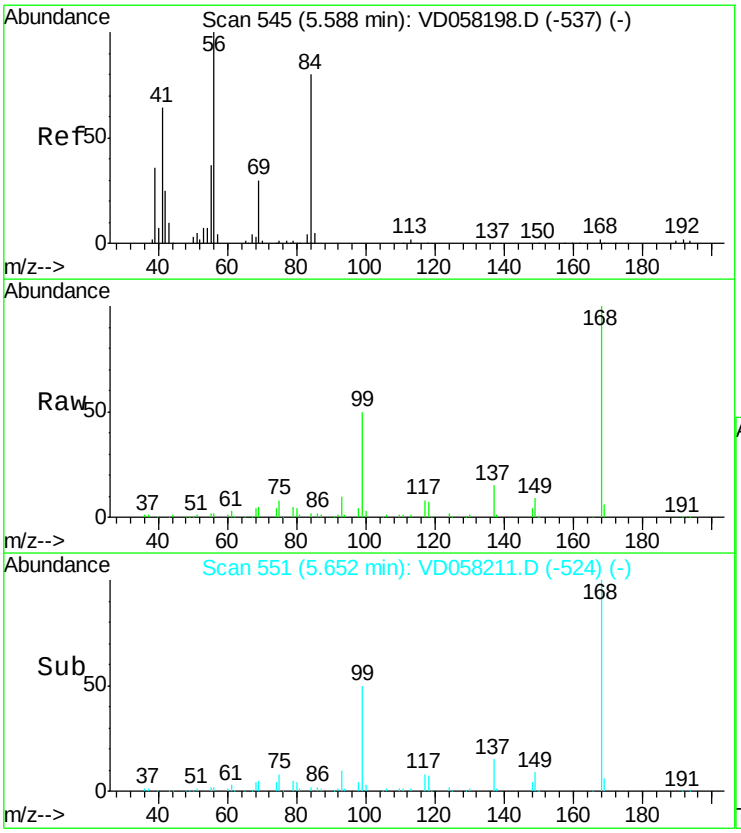

#29
Tetrahydrofuran
Concen: 2.278 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion: 42 Resp: 2476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 30.2 | 45.2# |
| 71 | 0.0 | 30.1 | 45.1# |

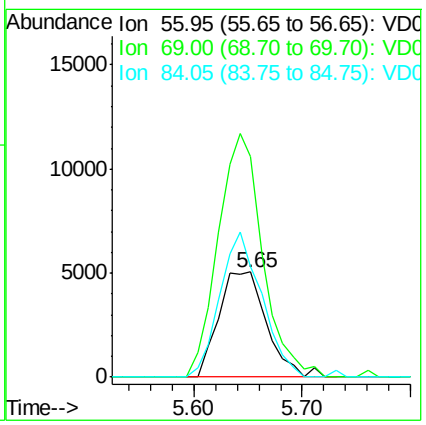


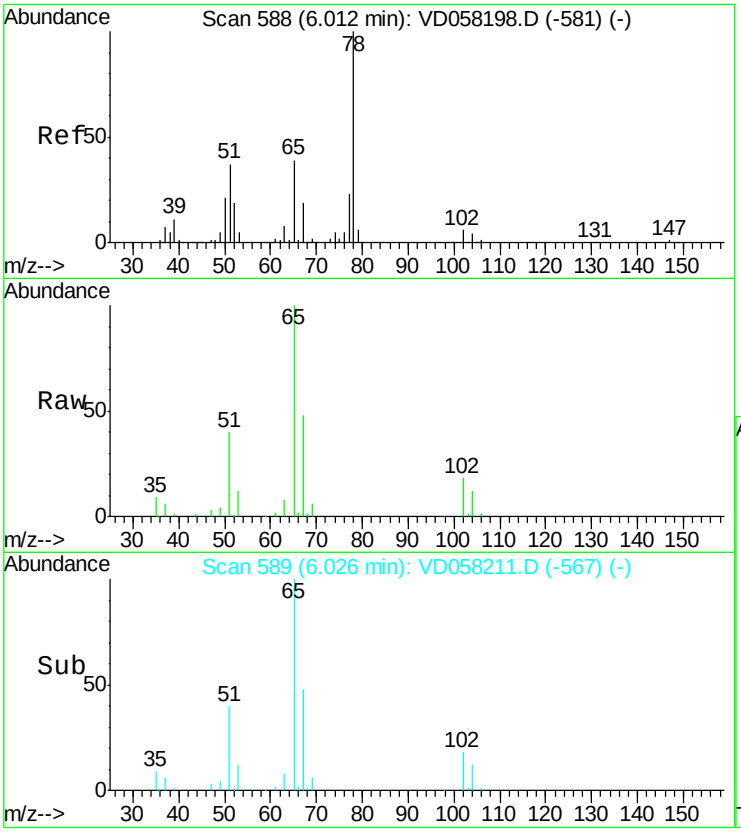




#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 56 Resp: 15458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 209.6 | 23.6 | 35.4# |
| 84 | 105.2 | 65.2 | 97.8# |



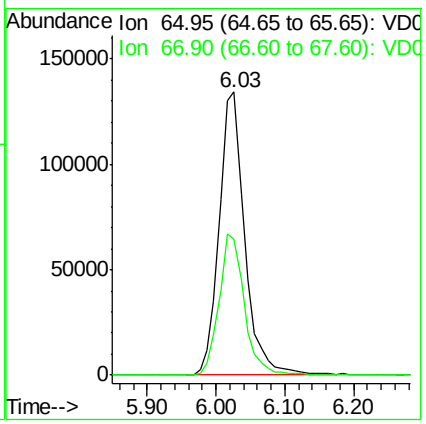


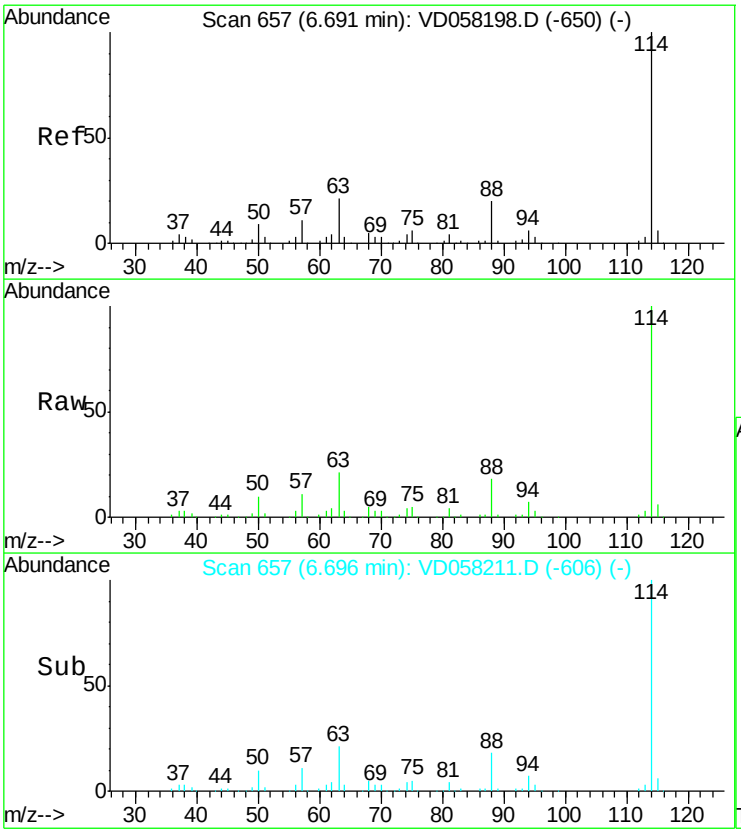

#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.03 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :** MSVOA_D
**ClientSampleId :** A-5(2.5)

Tgt Ion: 65 Resp: 345588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 48.2 | 0.0 | 97.8 |

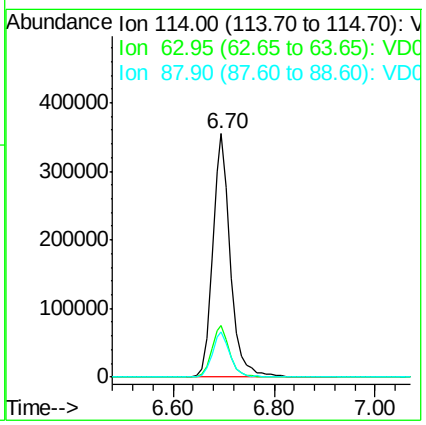


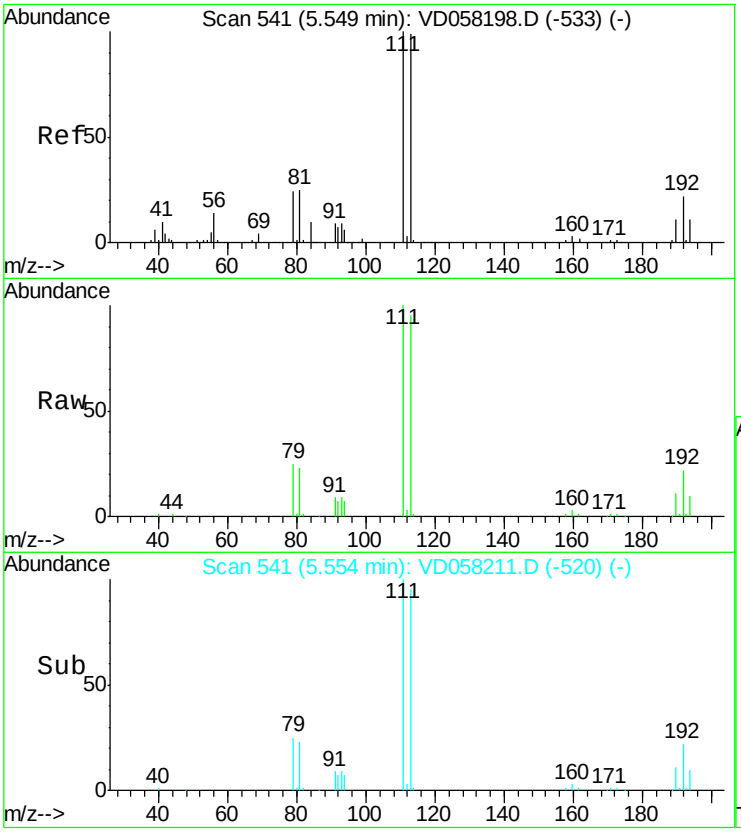




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion:114 Resp: 872654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 42.6 |
| 88 | 18.3 | 0.0 | 40.6 |



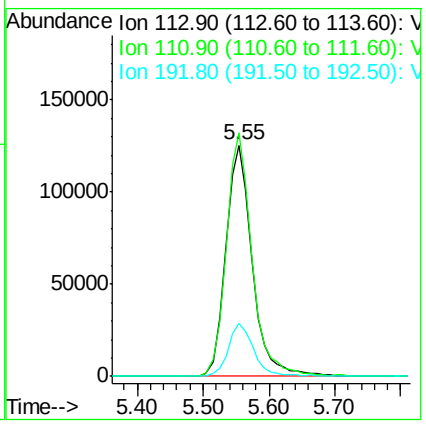


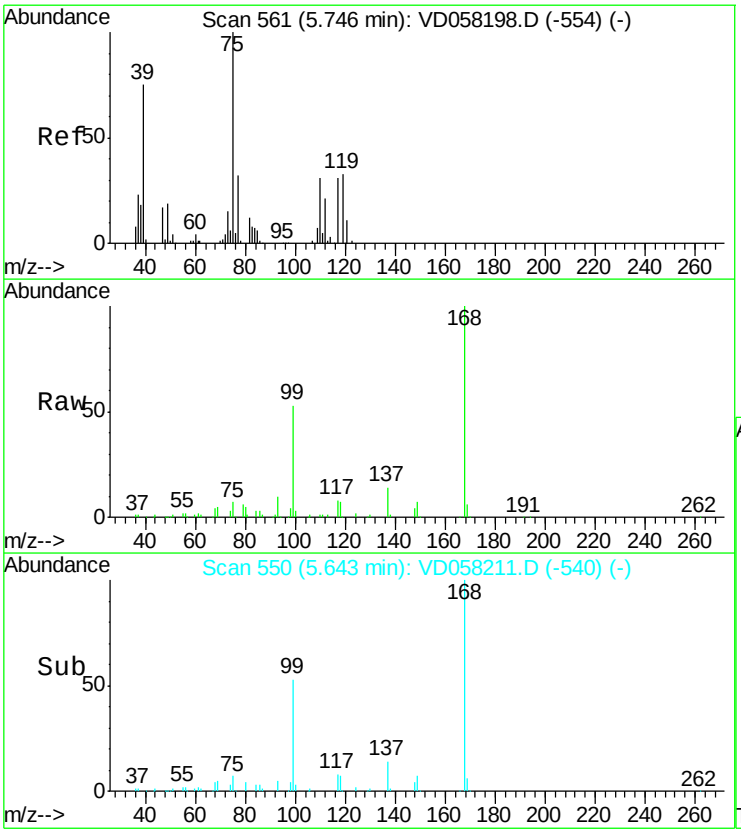

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion:113 Resp: 352684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.2 | 80.6 | 121.0 |
| 192 | 23.0 | 17.8 | 26.6 |

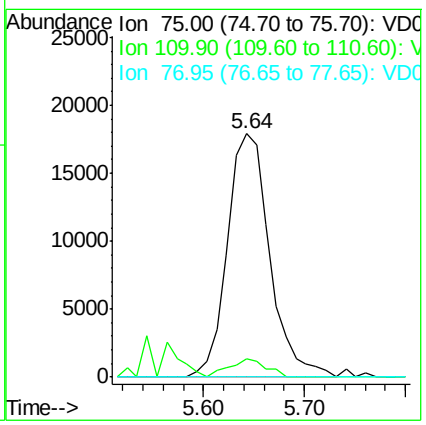


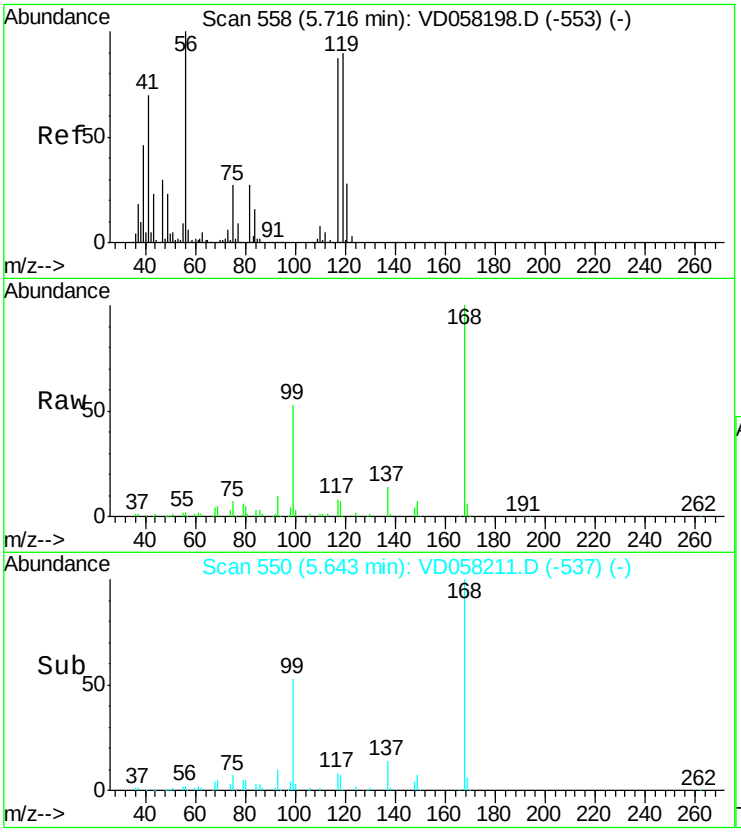




#36
1,1-Dichloropropene
Concen: 6.049 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.10 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 75 Resp: 52223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.6 | 15.4 | 46.4# |
| 77 | 0.0 | 25.4 | 38.2# |



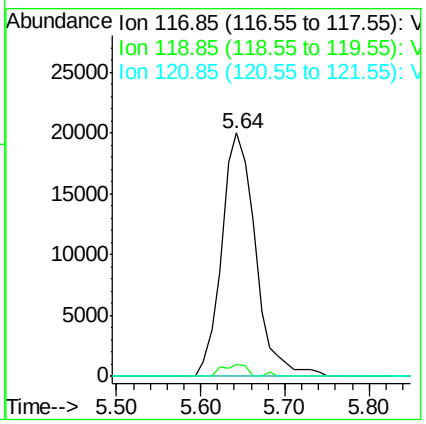


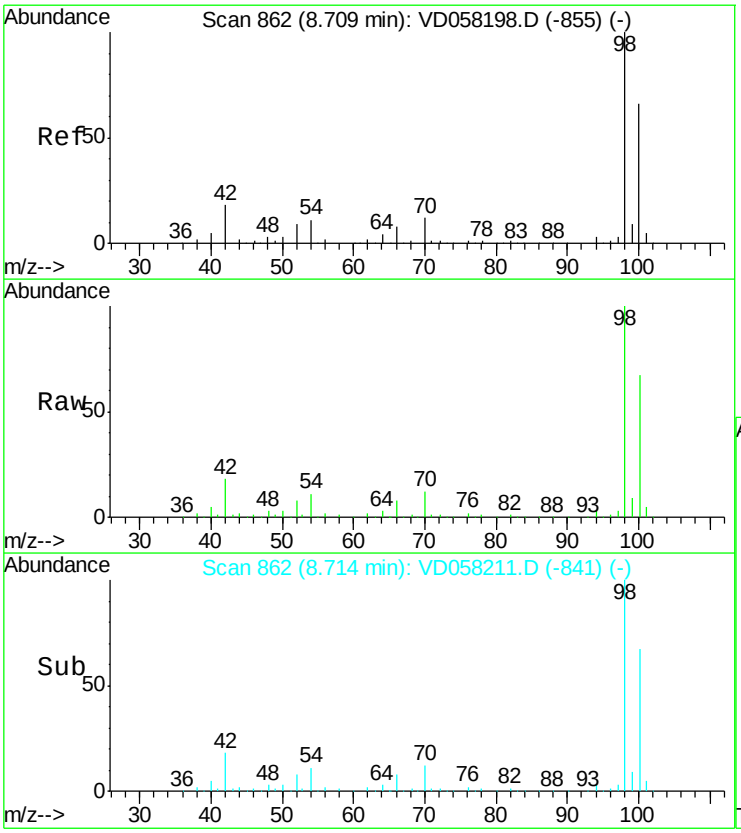

#38
Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.07 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion:117 Resp: 55674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 78.8 | 118.2# |
| 121 | 0.0 | 25.0 | 37.6# |

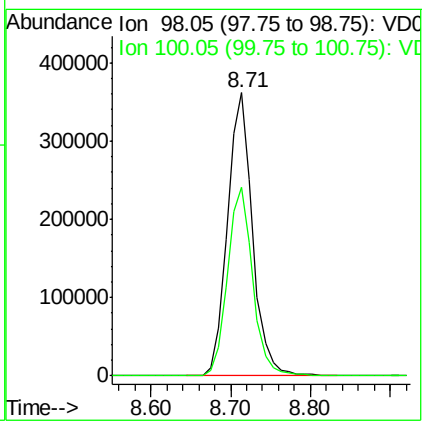


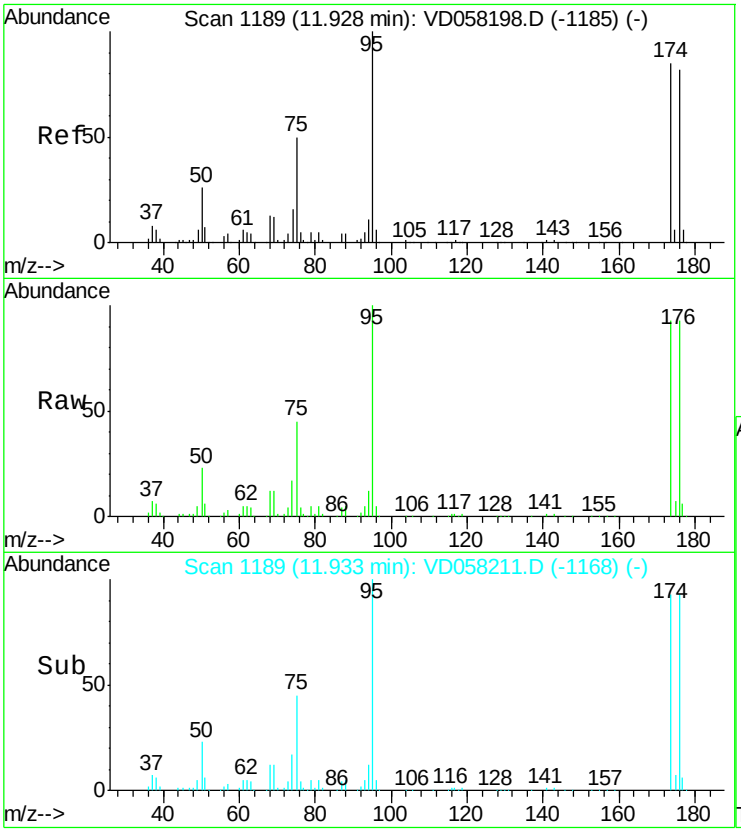




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 98 Resp: 796937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 53.6 | 80.4 |



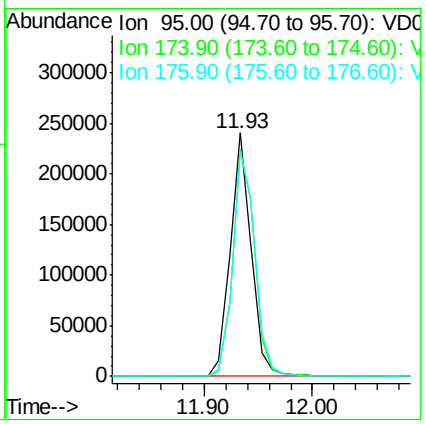


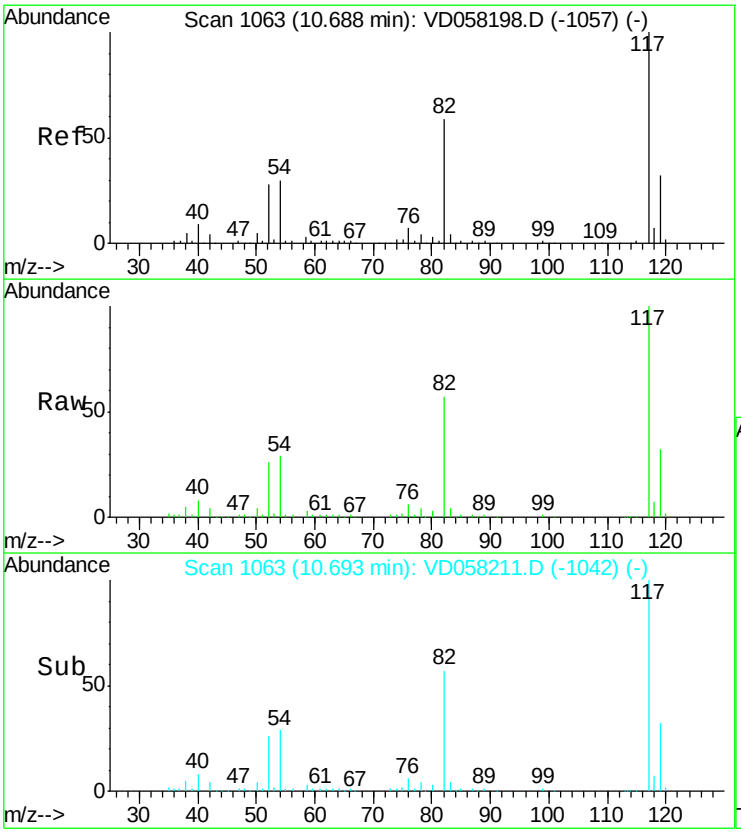

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :** MSVOA_D
**ClientSampleId :** A-5(2.5)

Tgt Ion: 95 Resp: 322658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.2 | 0.0 | 170.2 |
| 176 | 92.7 | 0.0 | 164.6 |

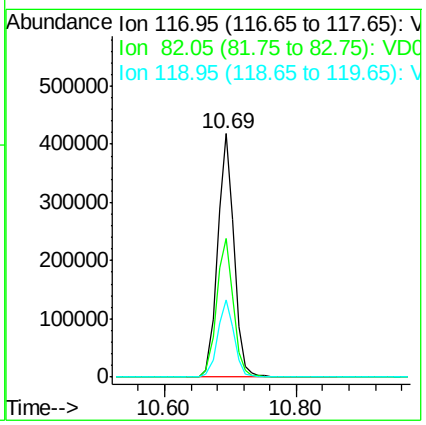


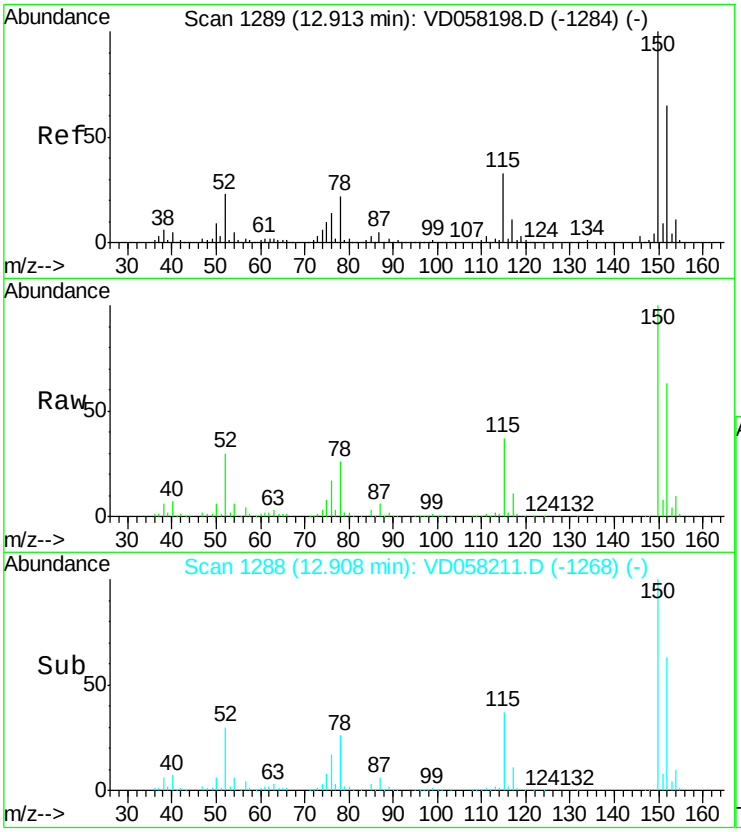




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion:117 Resp: 717661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.0 | 47.0 | 70.6 |
| 119 | 31.9 | 25.3 | 37.9 |



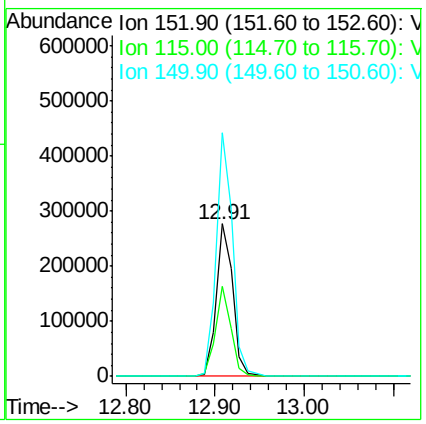


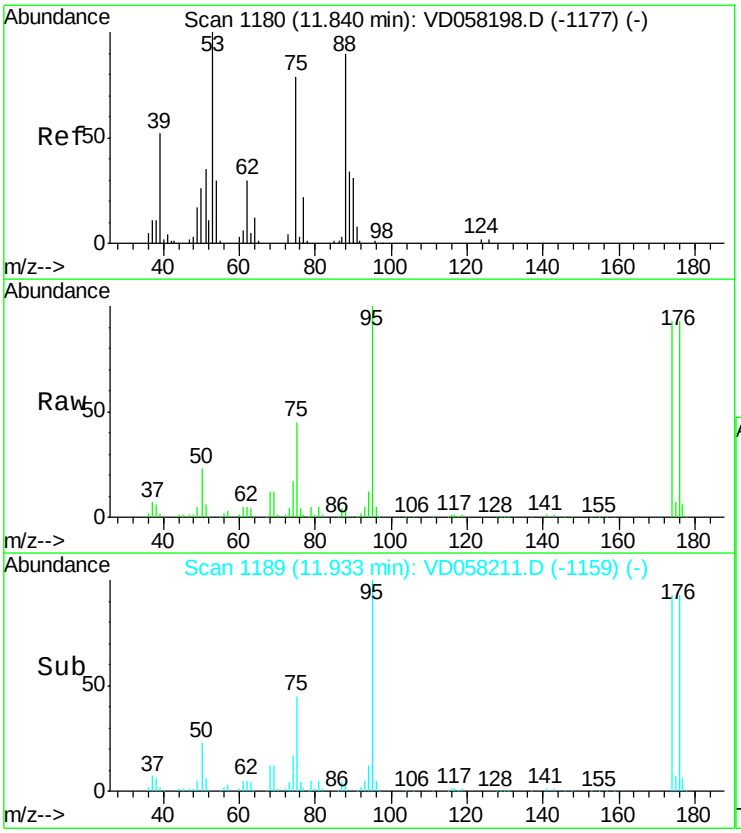

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion:152 Resp: 357544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.3 | 25.1 | 75.3 |
| 150 | 159.6 | 0.0 | 308.8 |

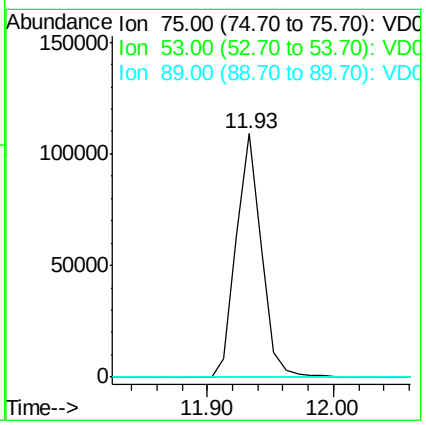


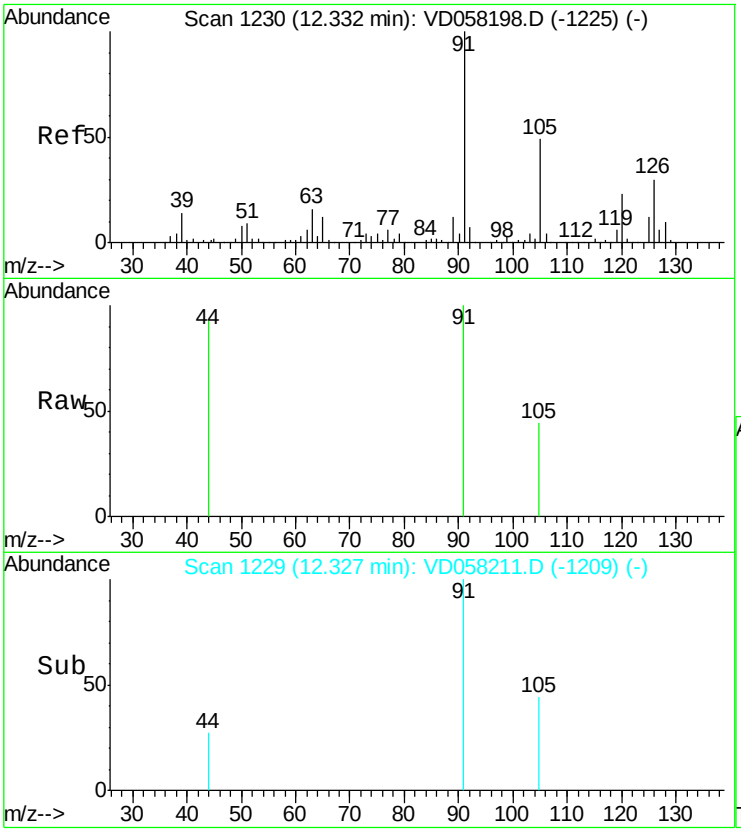




#81
trans-1,4-Dichloro-2-butene
Concen: 117.763 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

Tgt Ion: 75 Resp: 149933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 100.8 | 151.2# |
| 89 | 0.0 | 34.6 | 52.0# |






#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058211.D
Acq: 20 Jun 2018 15:48

**Instrument :**
MSVOA_D
**ClientSampleId :**
A-5(2.5)

Tgt Ion: 91 Resp: 829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 14.9 | 44.9# |