Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
Data File : VD057999.D
Acq On : 8 Jun 2018 5:57
Operator : JC/SY
Sample : J3329-08RE
Misc : 6.13g/5ml/MSVOA_D/SOIL
ALS Vial : 63 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** MH-36(0-5)RE

Quant Time: Jun 08 06:55:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 32555 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.68 | 114 | 63875 | 50.00 | ug/l | -0.02 |
| 63) Chlorobenzene-d5 | 10.68 | 117 | 64804 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.91 | 152 | 35756 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.01 | 65 | 45439 | 139.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 279.22% | | | |
| 35) Dibromofluoromethane | 5.54 | 113 | 31532 | 63.80 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 127.60% | | | |
| 50) Toluene-d8 | 8.70 | 98 | 49830 | 42.41 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 84.82% | | | |
| 62) 4-Bromofluorobenzene | 11.92 | 95 | 30519 | 59.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 119.08% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 2.61 | 43 | 7146 | 152.395 | ug/l # | 57 |
| 18) Methyl Acetate | 2.94 | 43 | 890 | 9.811 | ug/l # | 66 |
| 20) Methylene Chloride | 3.07 | 84 | 1894 | 10.857 | ug/l # | 79 |
| 25) 2-Butanone | 4.83 | 43 | 255 | 2.393 | ug/l # | 64 |
| 29) Tetrahydrofuran | 5.19 | 42 | 412 | 7.375 | ug/l # | 39 |
| 31) Cyclohexane | 5.64 | 56 | 571 | 1.009 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.64 | 75 | 2549 | 3.622 | ug/l # | 45 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 2660 | 3.835 | ug/l # | 12 |
| 81) trans-1,4-Dichloro-2-buten | 11.92 | 75 | 15139 | 113.799 | ug/l # | 6 |
| 82) 4-Chlorotoluene | 12.32 | 91 | 266 | Below Cal | # | 50 |

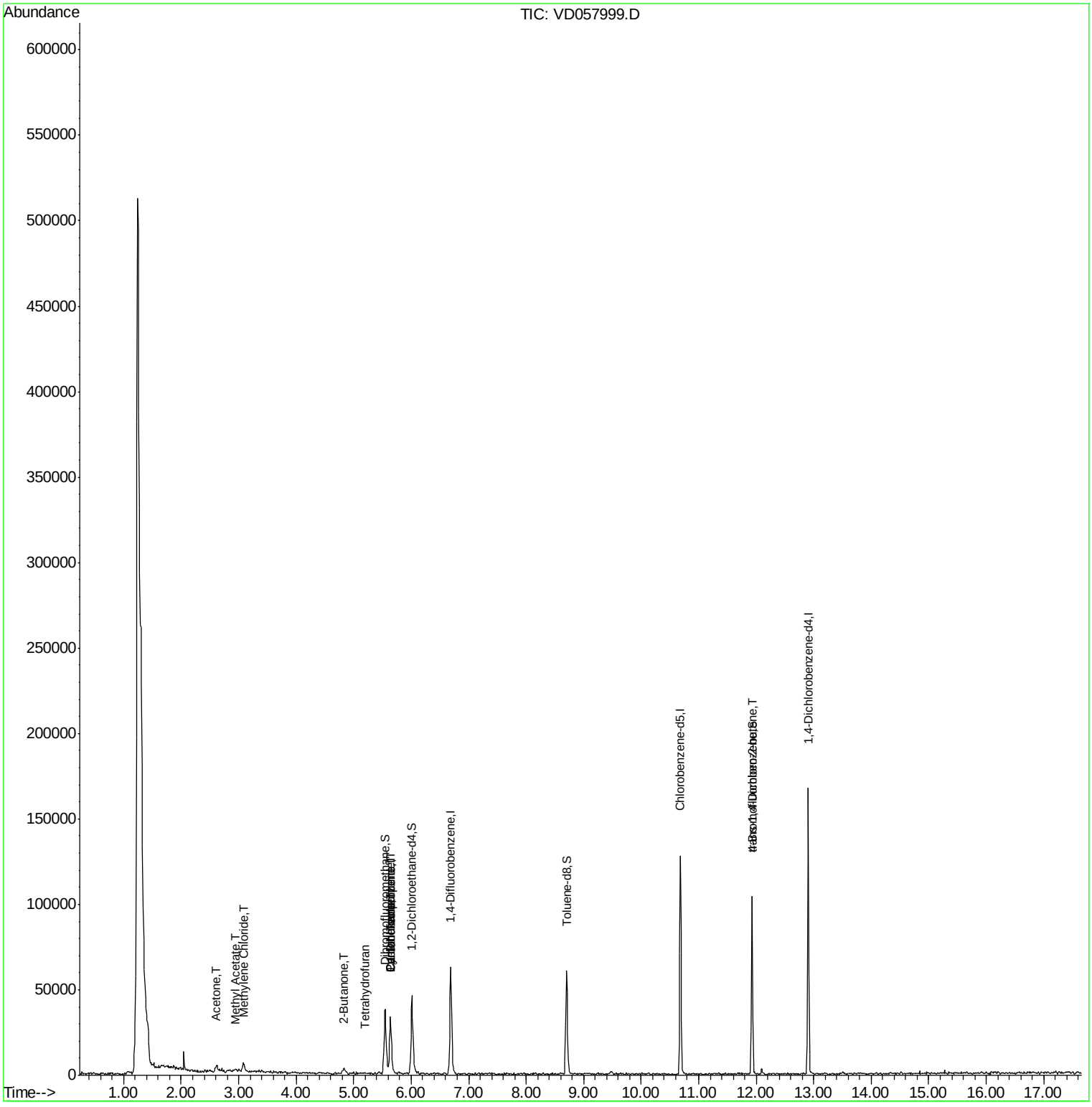
(#) = qualifier out of range (m) = manual integration (+) = signals summed

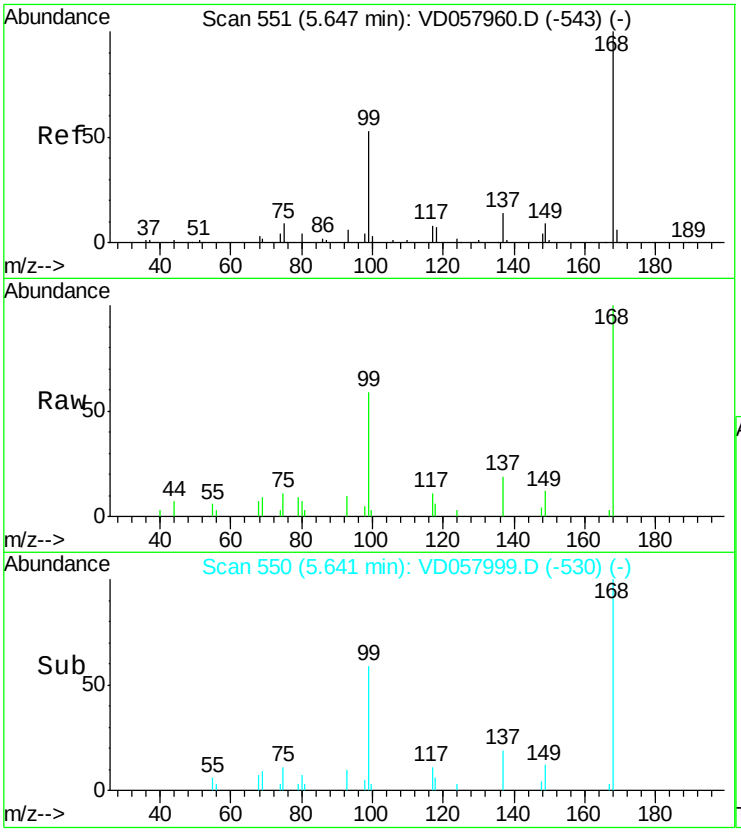
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
Data File : VD057999.D
Acq On : 8 Jun 2018 5:57
Operator : JC/SY
Sample : J3329-08RE
Misc : 6.13g/5ml/MSVOA_D/SOIL
ALS Vial : 63 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Quant Time: Jun 08 06:55:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration



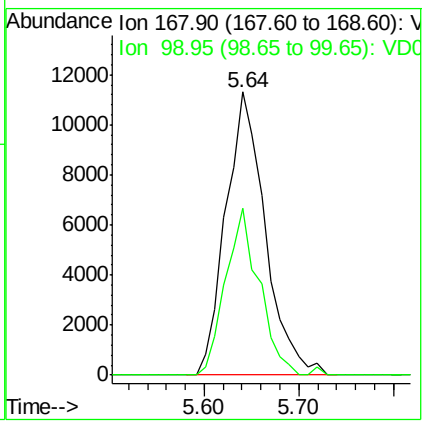


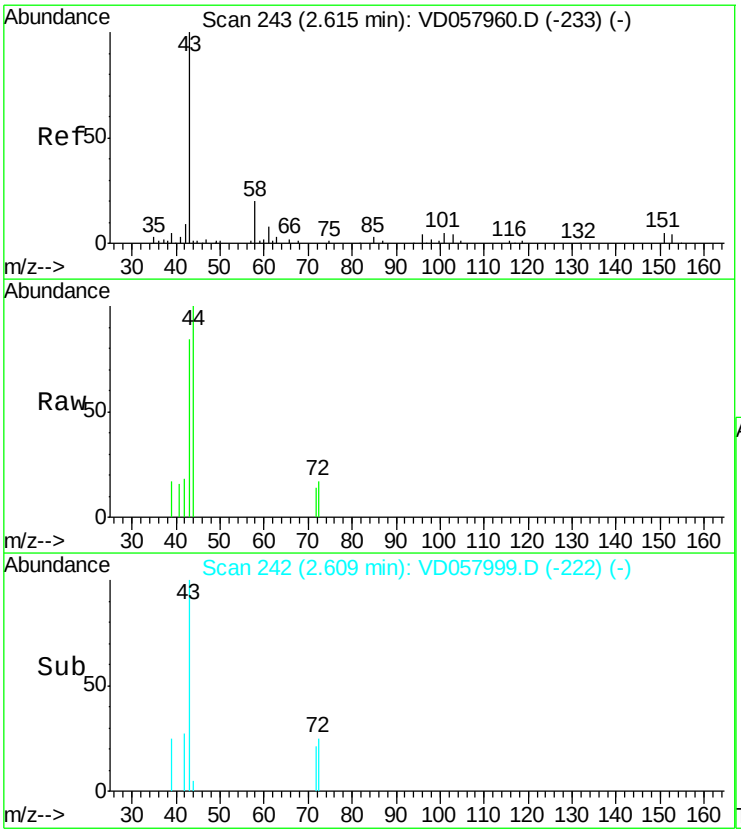

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion:168 Resp: 32555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.4 | 46.8 | 70.2 |

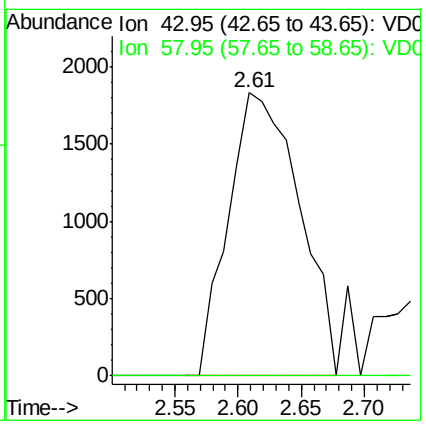


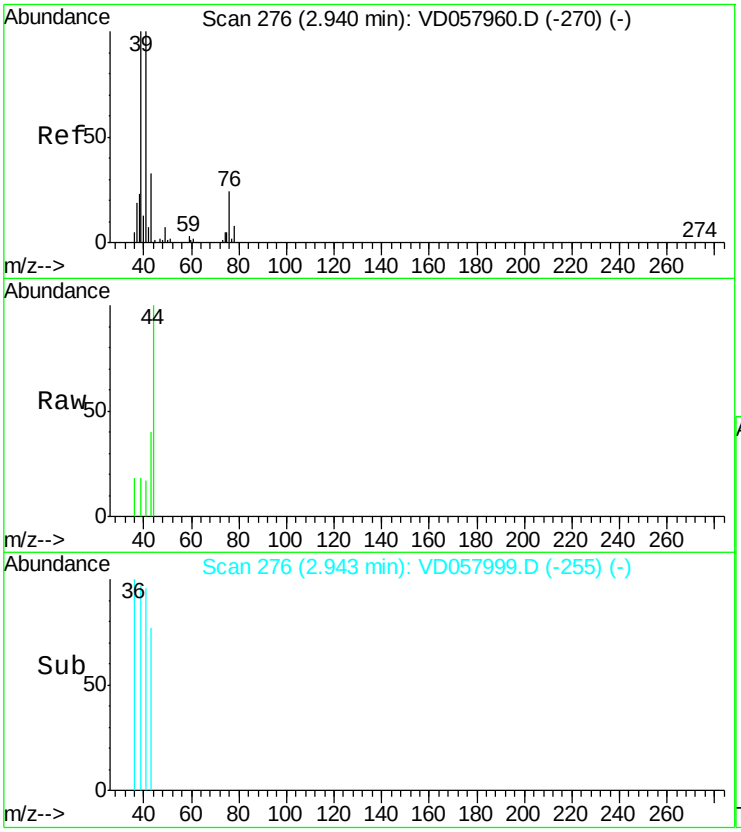




#16
Acetone
Concen: 152.395 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 43 Resp: 7146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 15.8 | 23.8# |



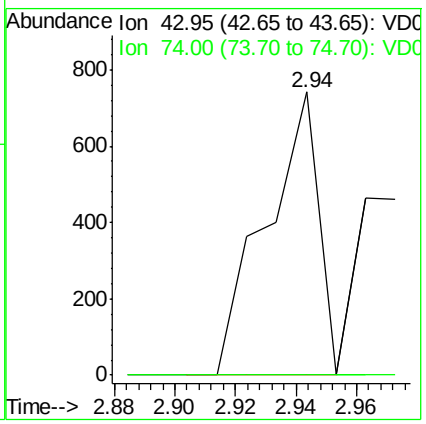


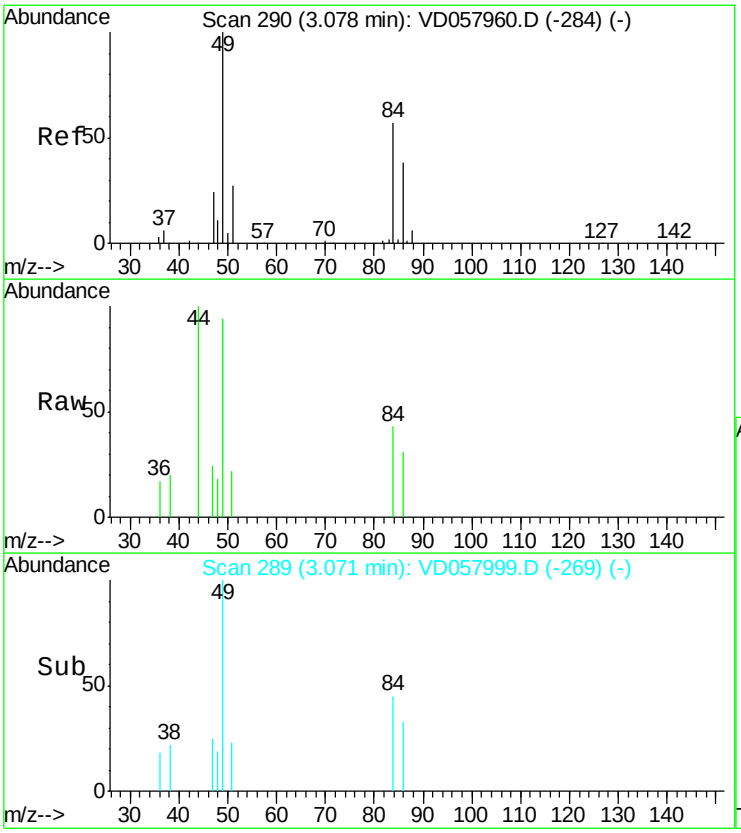

#18
Methyl Acetate
Concen: 9.811 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :** MSVOA_D
**ClientSampleId :** MH-36(0-5)RE

Tgt Ion: 43 Resp: 890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 11.2 | 16.8# |

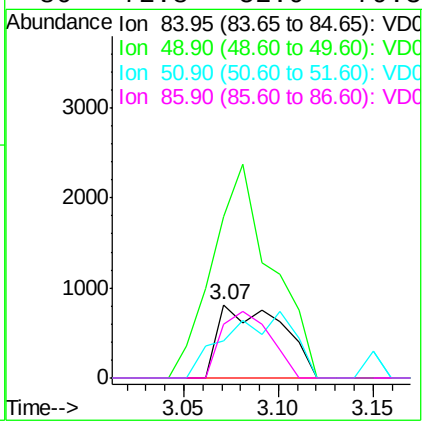


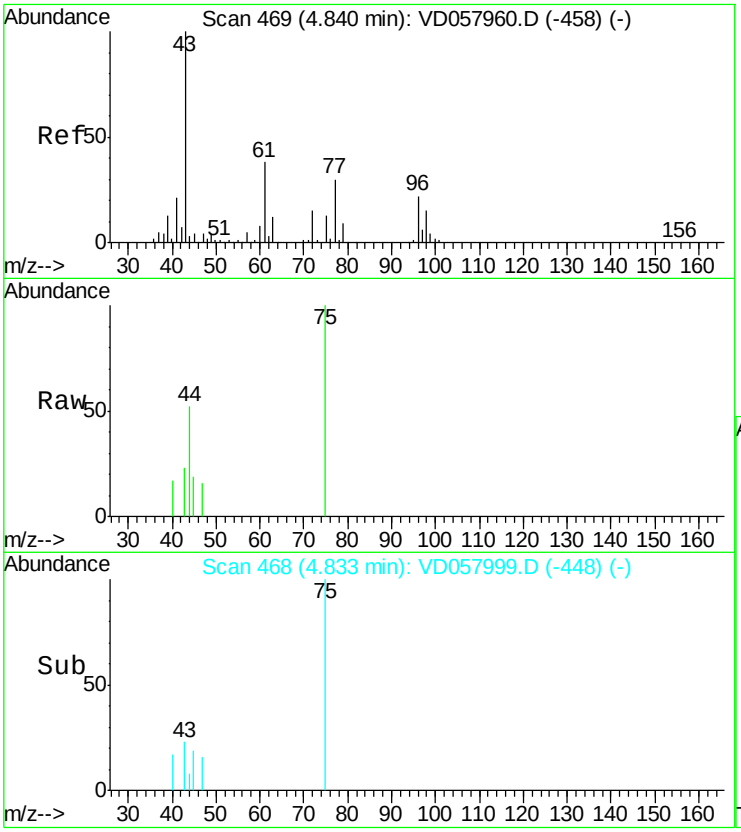




#20
Methylene Chloride
Concen: 10.857 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 84 Resp: 1894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 219.8 | 141.4 | 212.0# |
| 51 | 50.6 | 38.3 | 57.5 |
| 86 | 72.8 | 52.9 | 79.3 |



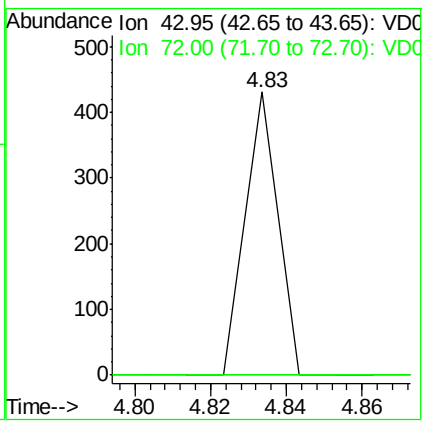


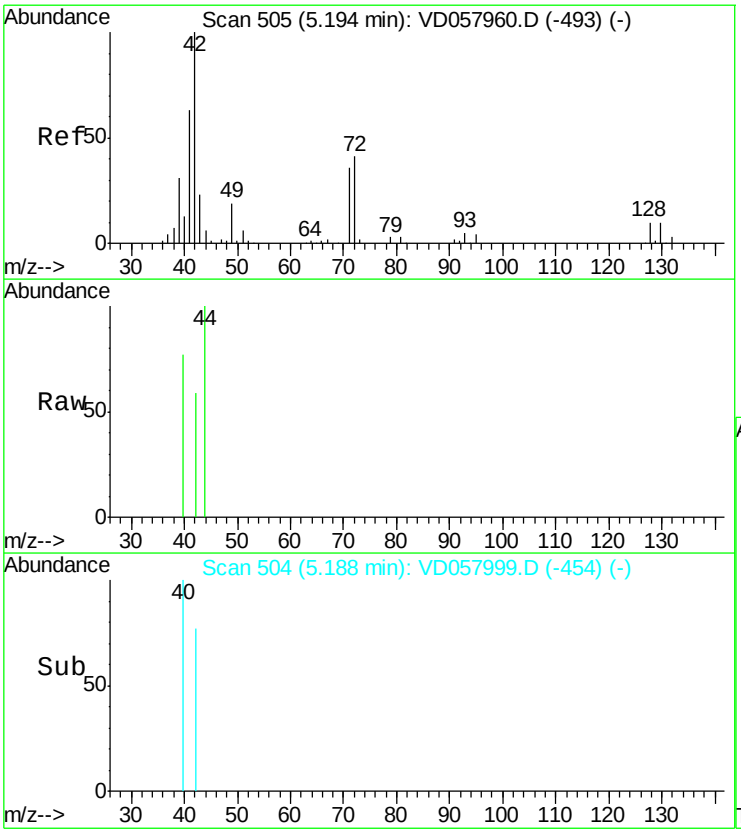

#25
2-Butanone
Concen: 2.393 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion: 43 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 12.0 | 18.0# |

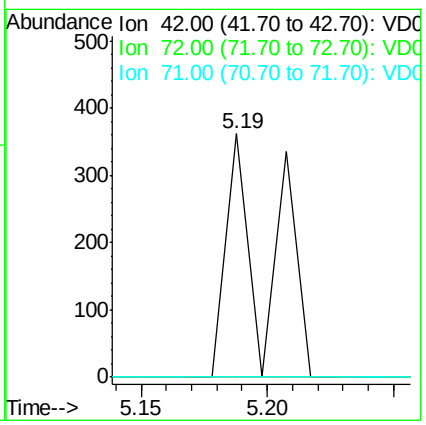


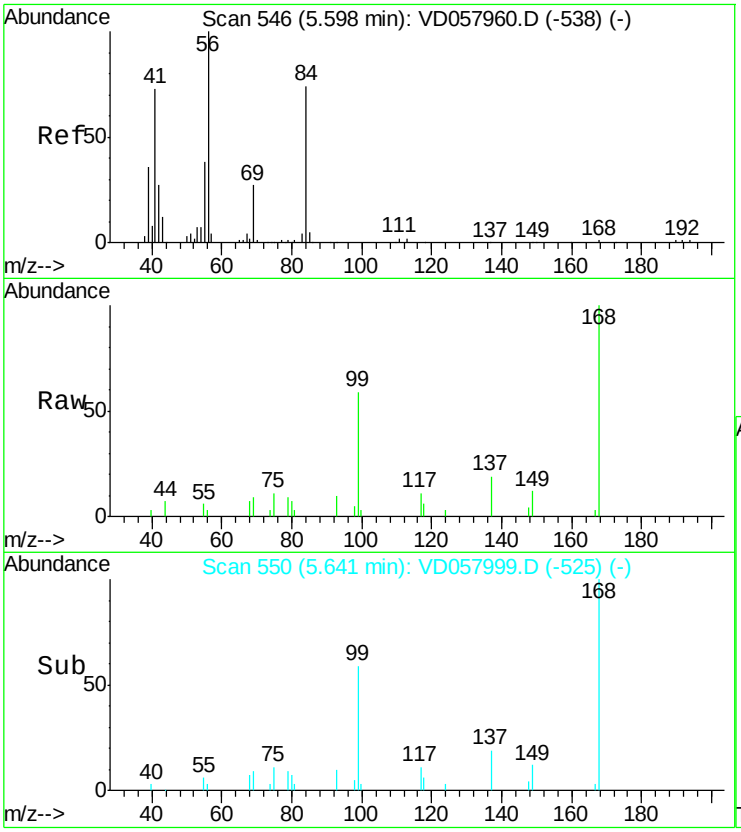




#29
Tetrahydrofuran
Concen: 7.375 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 42 Resp: 412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 28.5 | 42.7# |
| 71 | 0.0 | 27.9 | 41.9# |



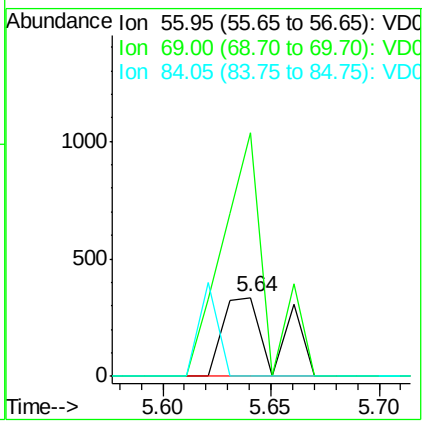


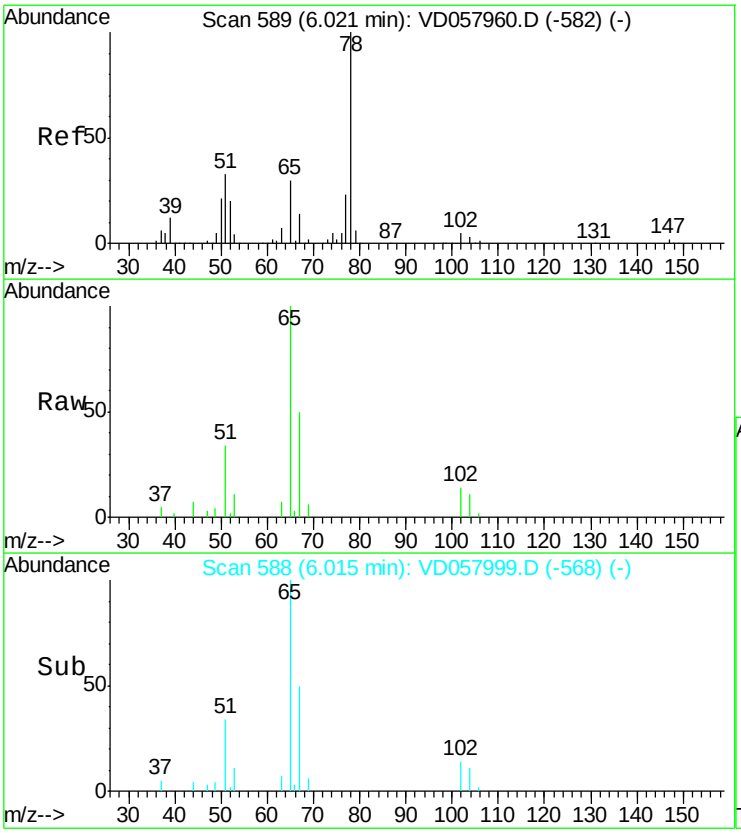

#31
Cyclohexane
Concen: 1.009 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion: 56 Resp: 571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 309.3 | 21.5 | 32.3# |
| 84 | 0.0 | 61.0 | 91.6# |

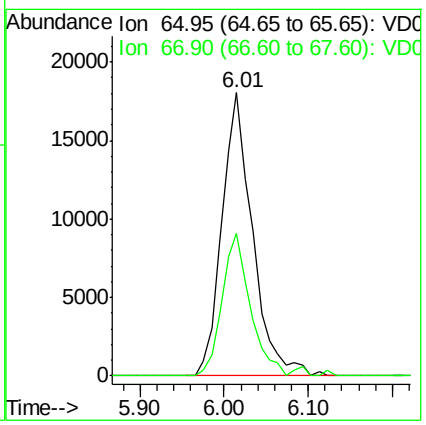


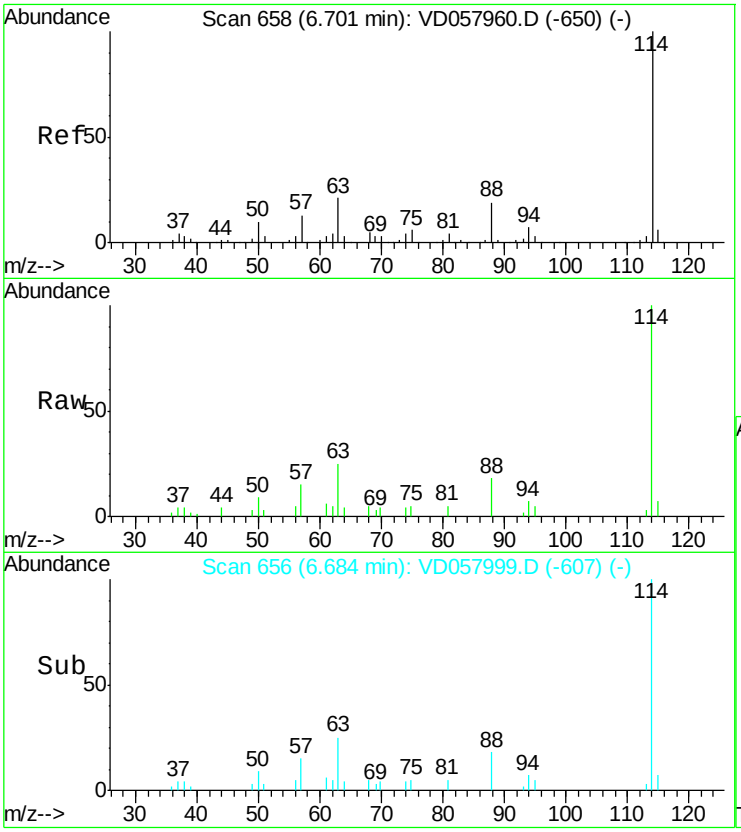




#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 65 Resp: 45439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 94.0 |



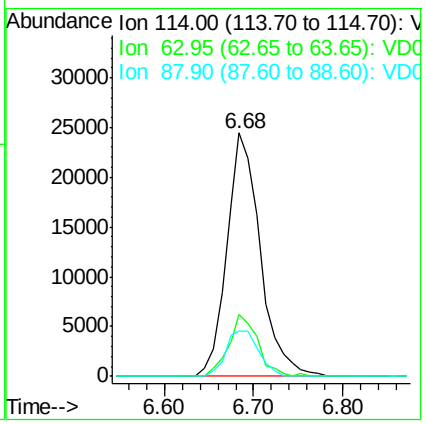


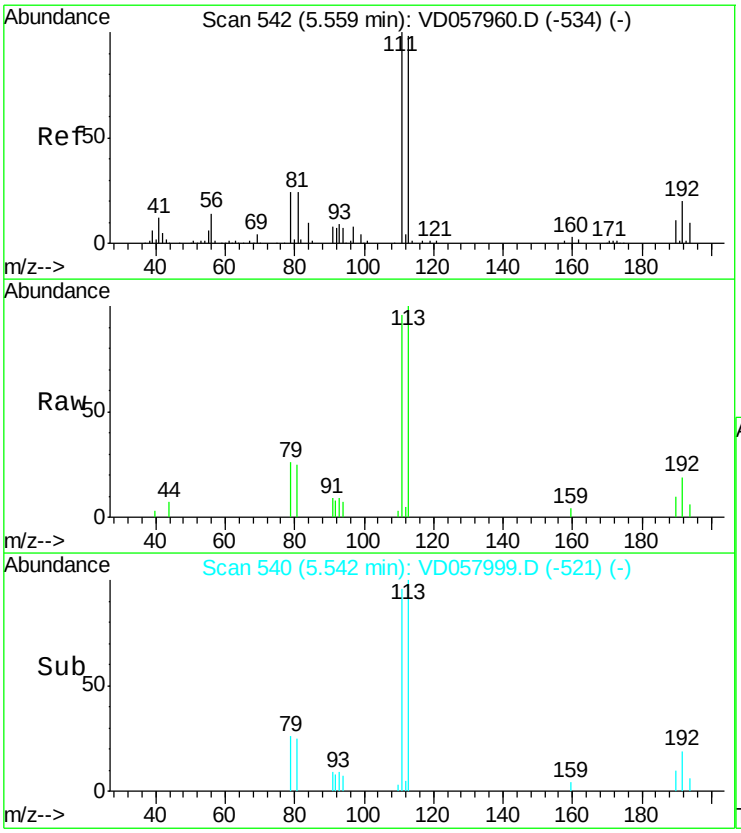

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.68 min Scan# 656
Delta R.T. -0.02 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion:114 Resp: 63875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.3 | 0.0 | 42.8 |
| 88 | 18.4 | 0.0 | 37.8 |

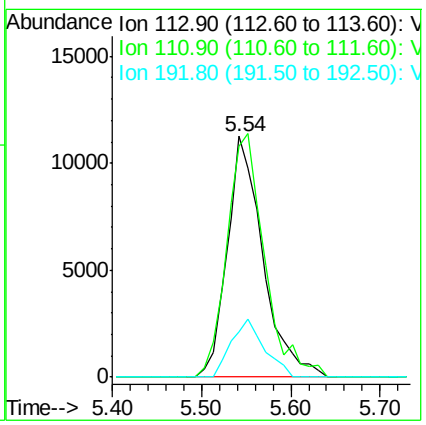


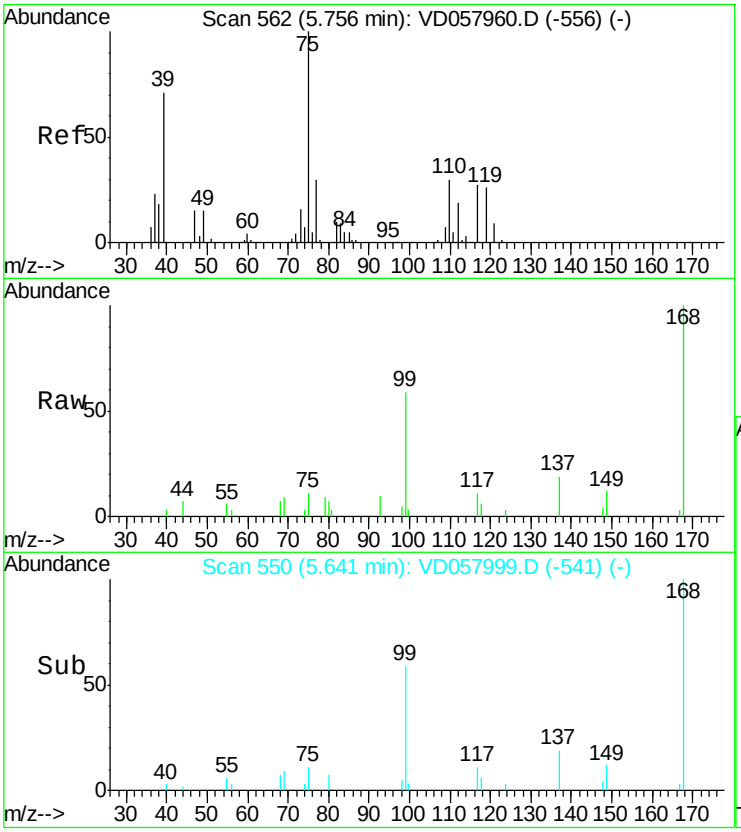




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.02 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion:113 Resp: 31532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 96.1 | 81.5 | 122.3 |
| 192 | 18.7 | 16.4 | 24.6 |



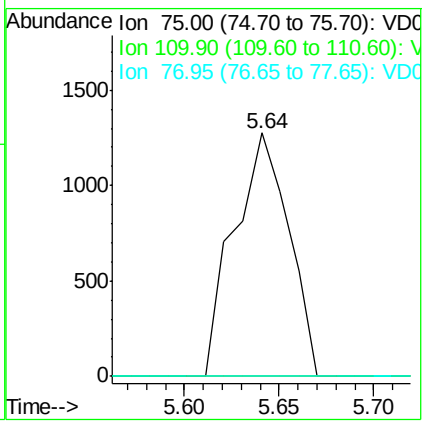


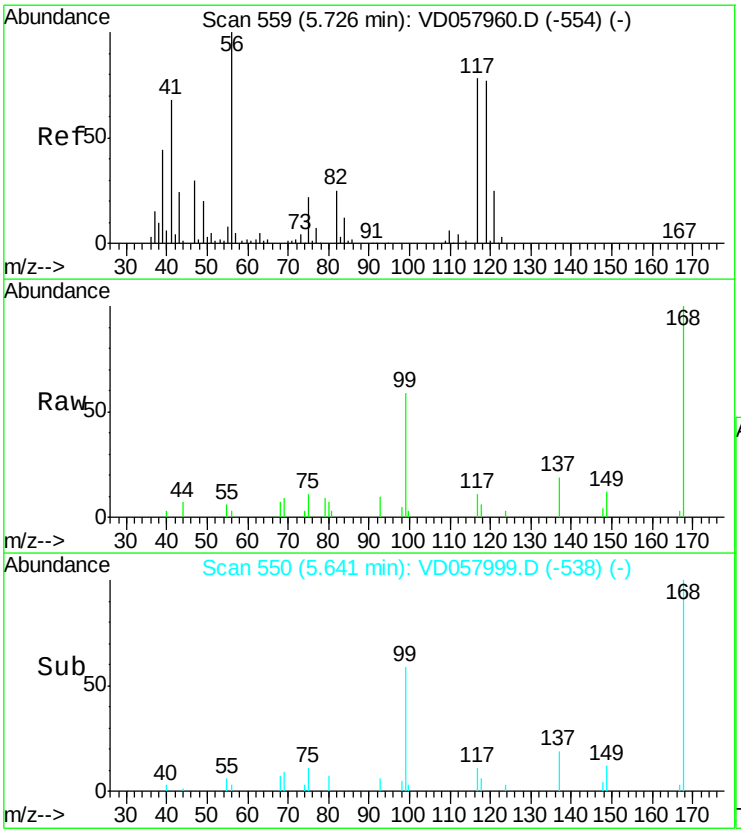

#36
1,1-Dichloropropene
Concen: 3.622 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.11 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion: 75 Resp: 2549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 14.8 | 44.3# |
| 77 | 0.0 | 23.9 | 35.9# |

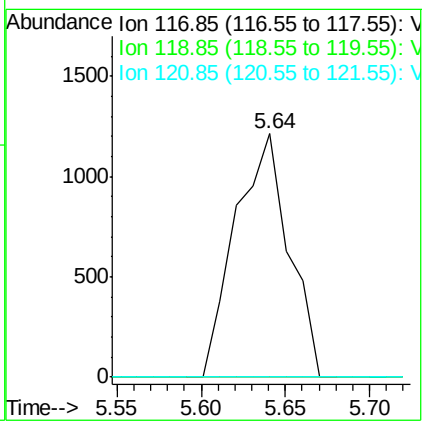


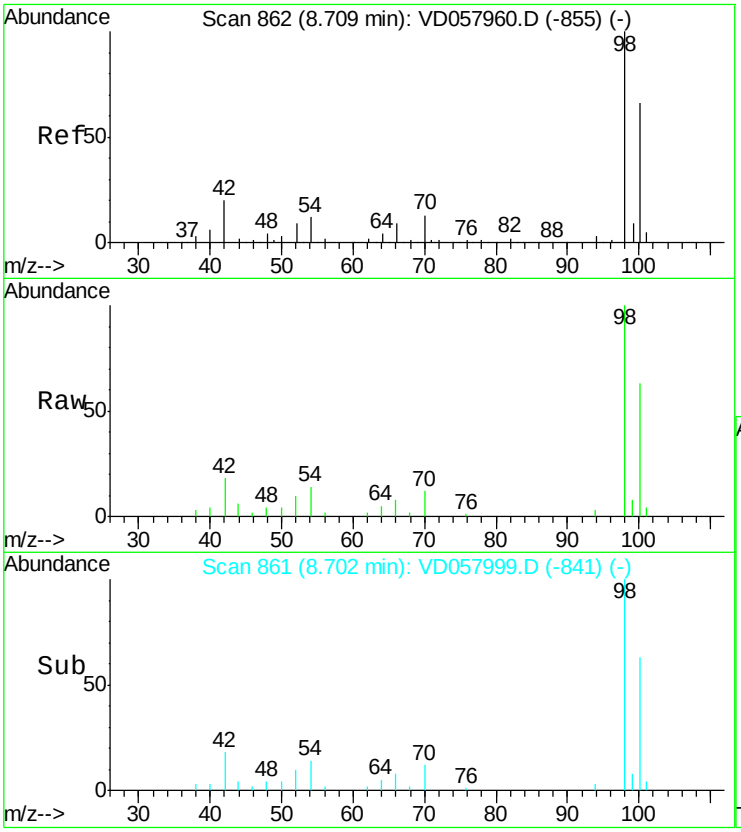




#38
Carbon Tetrachloride
Concen: 3.835 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.09 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion:117 Resp: 2660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 76.1 | 114.1# |
| 121 | 0.0 | 24.9 | 37.3# |



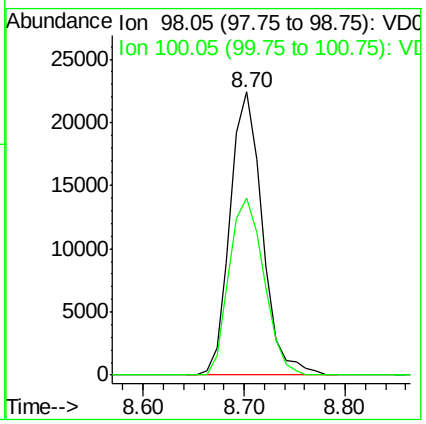


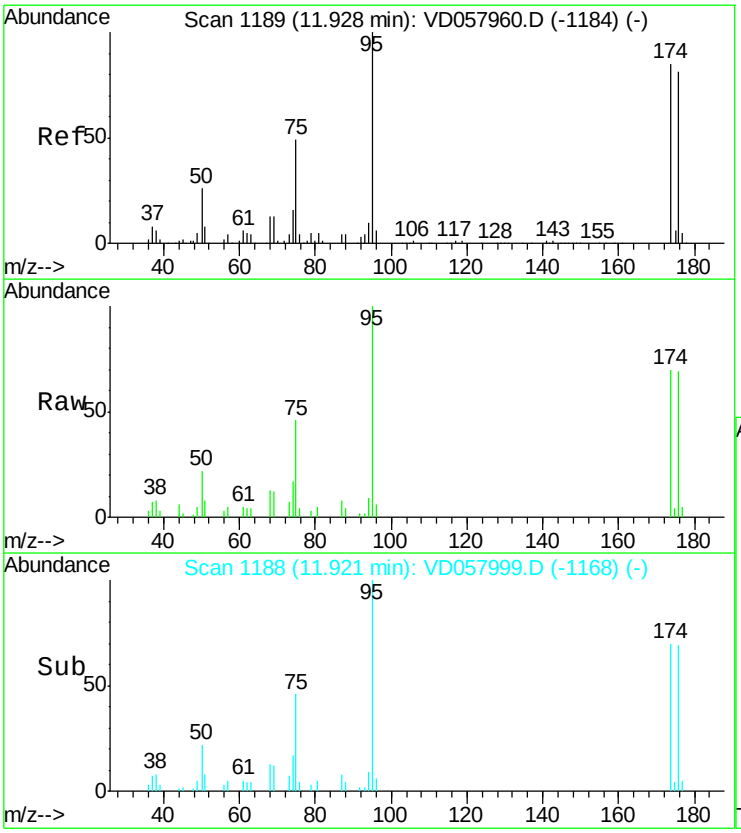

#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion: 98 Resp: 49830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.8 | 53.4 | 80.0 |

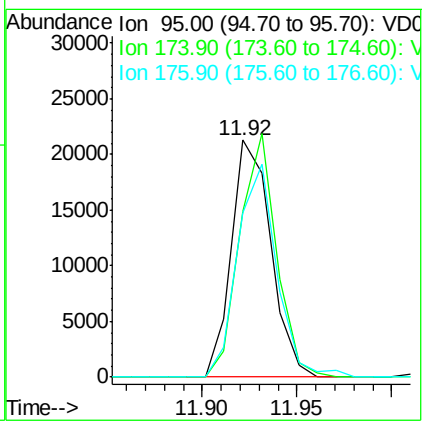


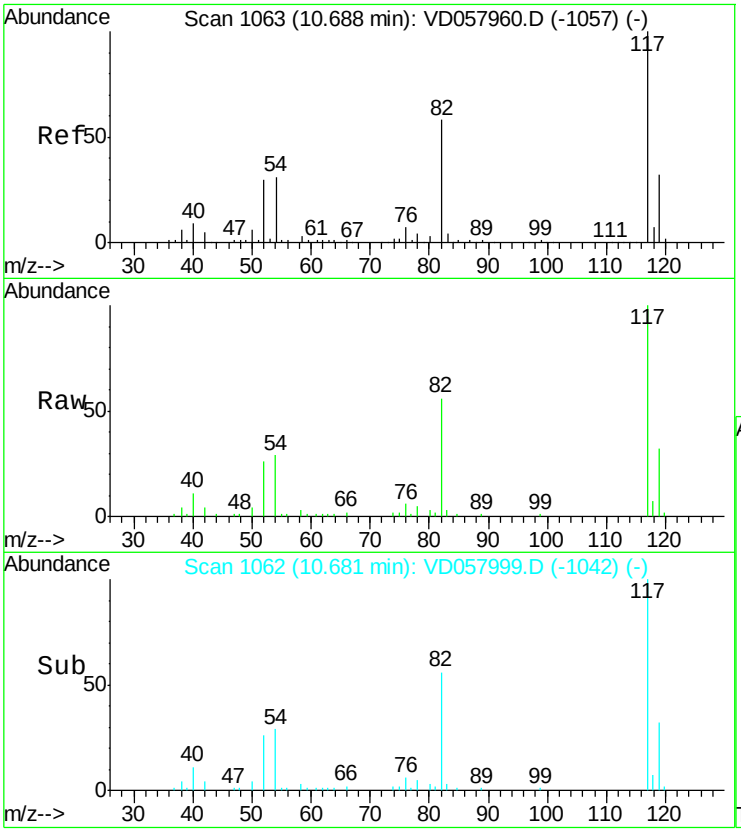




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 95 Resp: 30519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 69.7 | 0.0 | 169.4 |
| 176 | 69.2 | 0.0 | 162.6 |



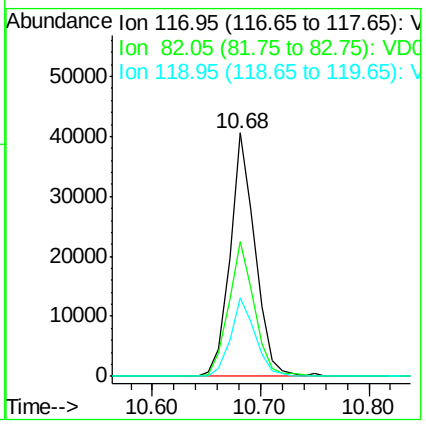


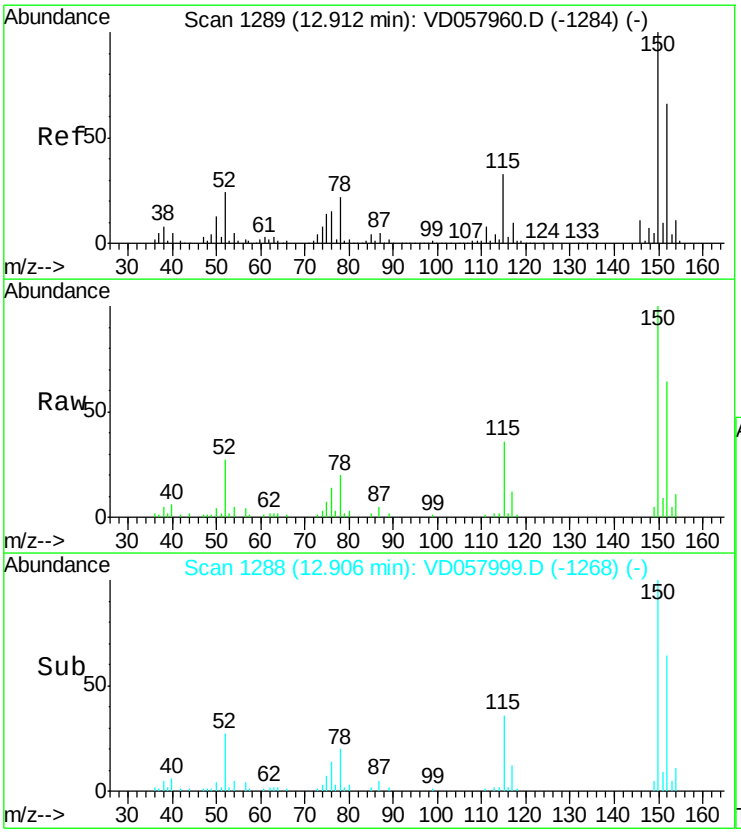

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion:117 Resp: 64804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 46.8 | 70.2 |
| 119 | 32.1 | 25.8 | 38.6 |

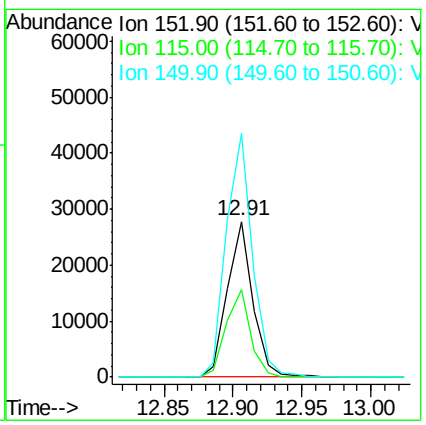


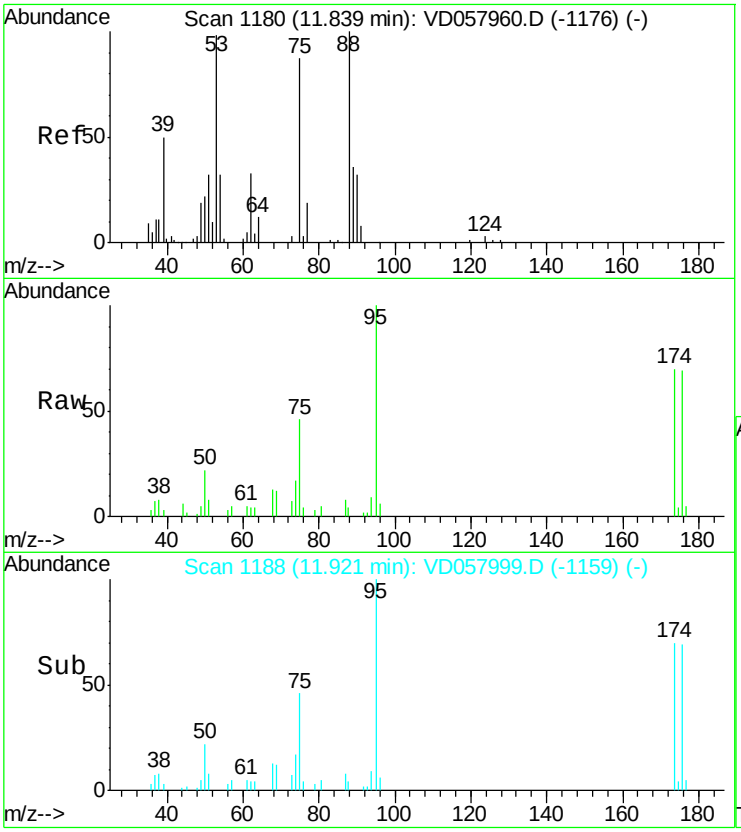




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion:152 Resp: 35756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.9 | 25.6 | 76.6 |
| 150 | 156.6 | 0.0 | 306.8 |



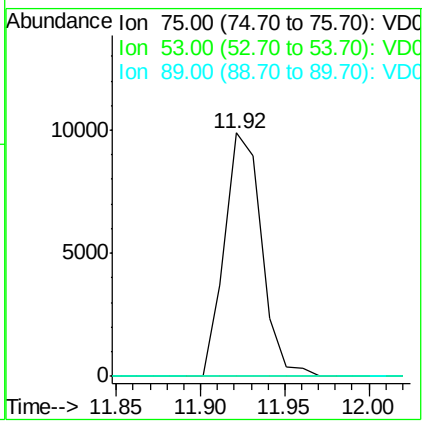


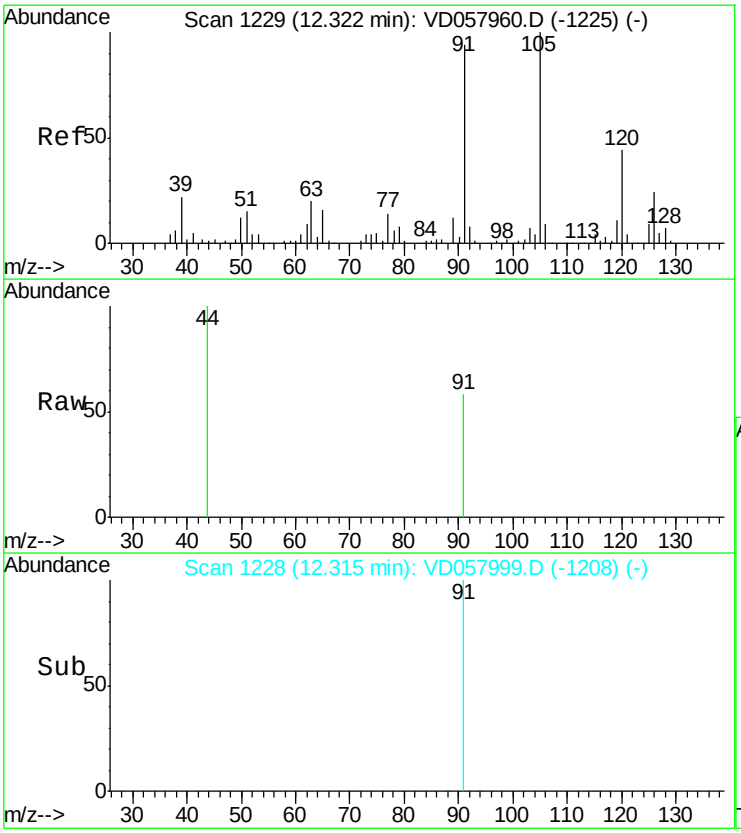

#81
trans-1,4-Dichloro-2-butene
Concen: 113.799 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

**Instrument :**
MSVOA_D
**ClientSampleId :**
MH-36(0-5)RE

Tgt Ion: 75 Resp: 15139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 89.3 | 133.9# |
| 89 | 0.0 | 33.3 | 49.9# |




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057999.D
Acq: 8 Jun 2018 5:57

Tgt Ion: 91 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 12.5 | 37.5# |