Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
Data File : VD059844.D
Acq On : 20 Aug 2018 21:33
Operator : JC/SY
Sample : J4511-06RE
Misc : 5.05g/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RA-081418-FL-028

Quant Time: Aug 21 05:13:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.60 | 168 | 854083 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.64 | 114 | 1149441 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.66 | 117 | 801837 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.88 | 152 | 311942 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.97 | 65 | 390068 | 57.06 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 114.12% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 495764 | 58.31 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 116.62% | | | |
| 50) Toluene-d8 | 8.66 | 98 | 1183035 | 51.60 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.20% | | | |
| 62) 4-Bromofluorobenzene | 11.90 | 95 | 359156 | 40.83 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 81.66% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 3.17 | 59 | 2638 | 10.440 | ug/l # | 28 |
| 13) Acrolein | 2.44 | 56 | 1201 | 5.694 | ug/l # | 14 |
| 16) Acetone | 2.58 | 43 | 3528 | 3.079 | ug/l # | 91 |
| 18) Methyl Acetate | 2.92 | 43 | 571 | Below Cal # | | 65 |
| 20) Methylene Chloride | 3.03 | 84 | 20079 | Below Cal | | 96 |
| 25) 2-Butanone | 4.78 | 43 | 10323 | 2.981 | ug/l # | 63 |
| 29) Tetrahydrofuran | 5.15 | 42 | 3249 | 1.853 | ug/l # | 42 |
| 31) Cyclohexane | 5.59 | 56 | 18642 | Below Cal # | | 1 |
| 36) 1,1-Dichloropropene | 5.59 | 75 | 60805 | 6.238 | ug/l # | 47 |
| 38) Carbon Tetrachloride | 5.59 | 117 | 68149 | 7.004 | ug/l # | 16 |
| 67) Ethyl Benzene | 10.83 | 91 | 759 | Below Cal # | | 43 |
| 80) 1,3,5-Trimethylbenzene | 12.29 | 105 | 260 | Below Cal # | | 30 |
| 81) trans-1,4-Dichloro-2-buten | 11.90 | 75 | 143848 | 89.165 | ug/l # | 10 |
| 82) 4-Chlorotoluene | 12.30 | 91 | 730 | Below Cal # | | 48 |
| 89) n-Butylbenzene | 13.17 | 91 | 566 | Below Cal # | | 30 |
| 91) 1,2-Dichlorobenzene | 13.17 | 146 | 261 | Below Cal # | | 31 |

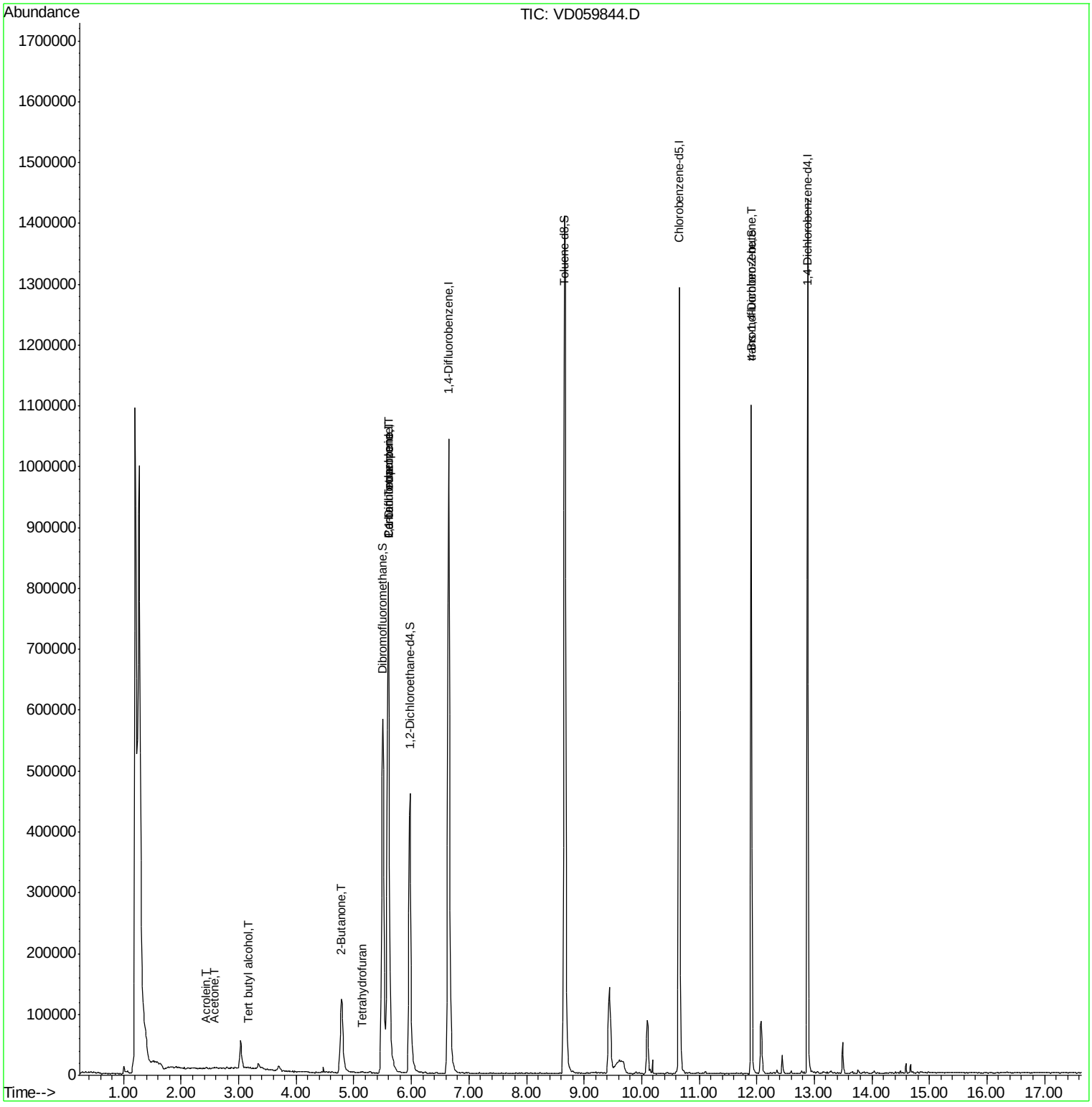
(#) = qualifier out of range (m) = manual integration (+) = signals summed

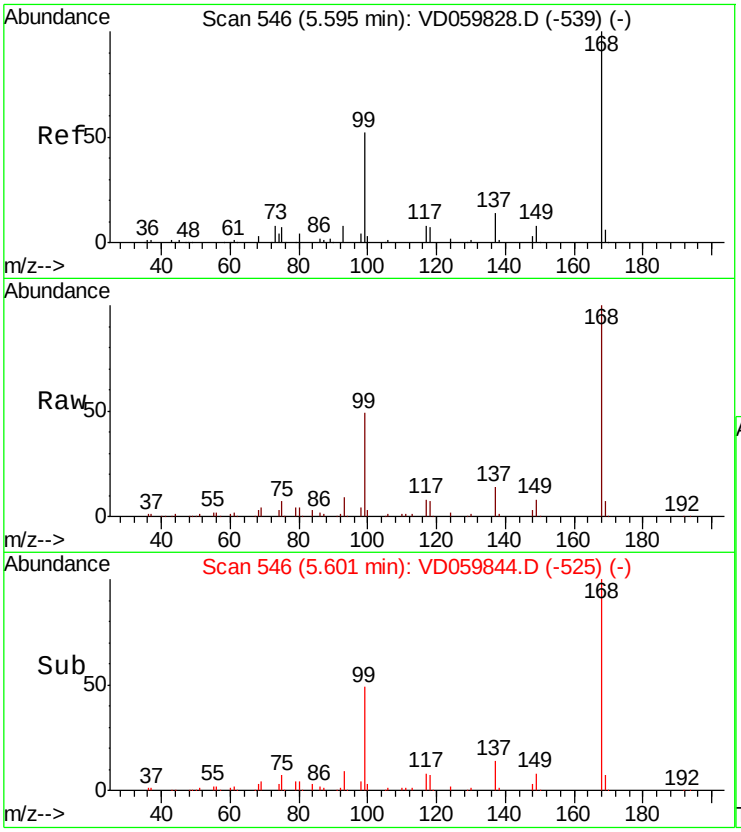
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
Data File : VD059844.D
Acq On : 20 Aug 2018 21:33
Operator : JC/SY
Sample : J4511-06RE
Misc : 5.05g/5ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Quant Time: Aug 21 05:13:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration



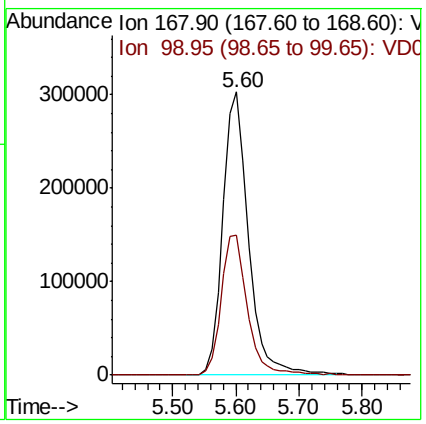


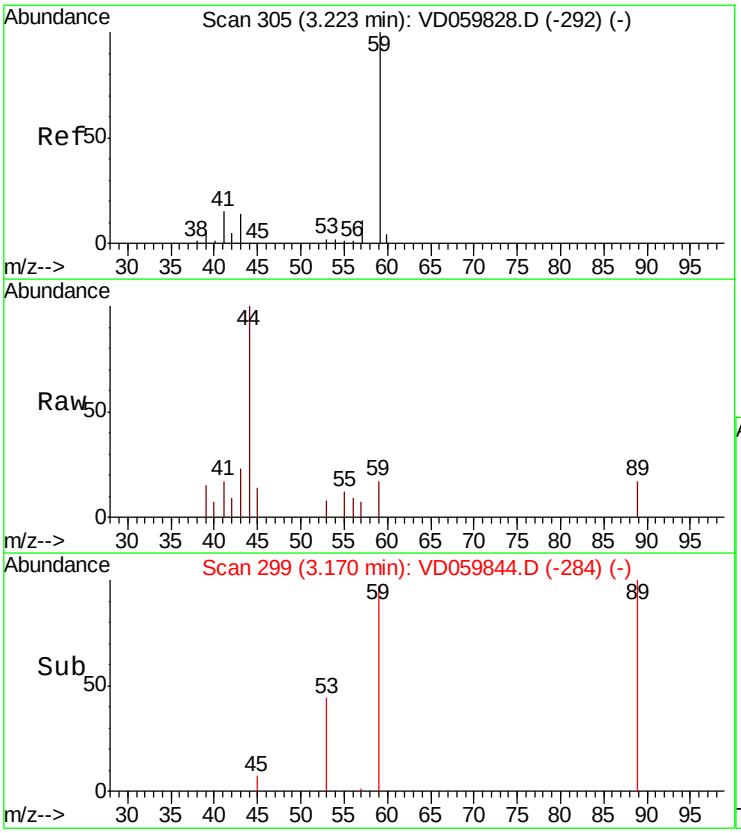

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion:168 Resp: 854083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.3 | 43.6 | 65.4 |

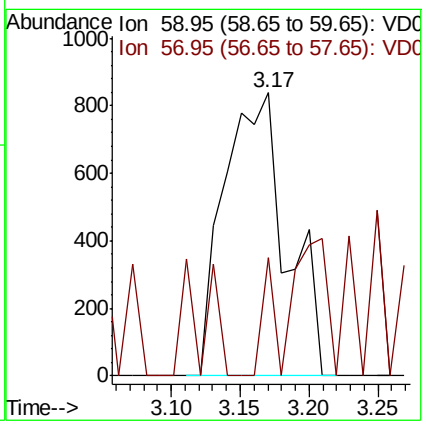


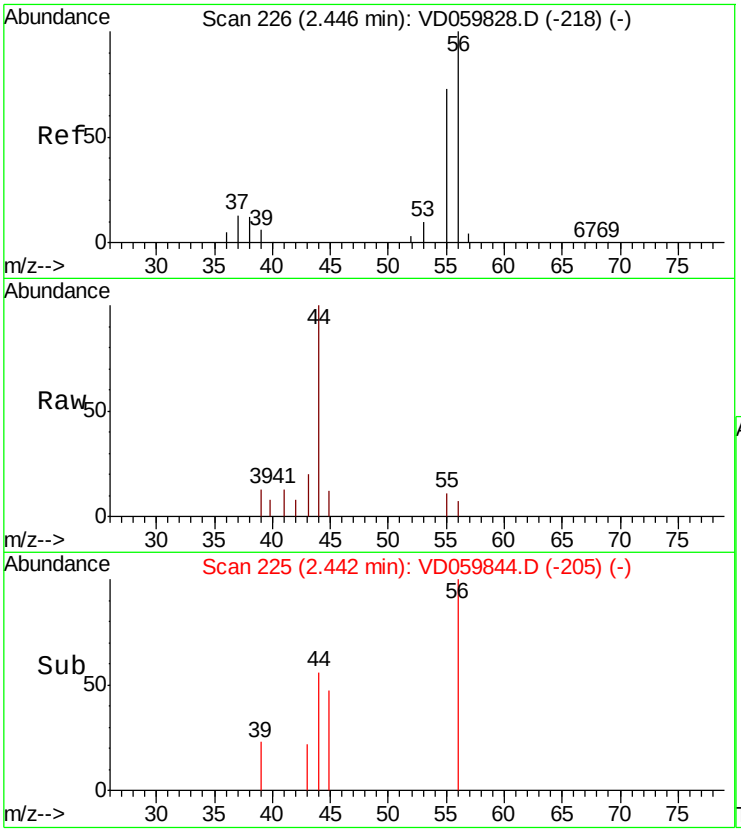




#11
Tert butyl alcohol
Concen: 10.440 ug/l
RT: 3.17 min Scan# 299
Delta R.T. -0.05 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 59 Resp: 2638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 41.6 | 10.3 | 15.5# |



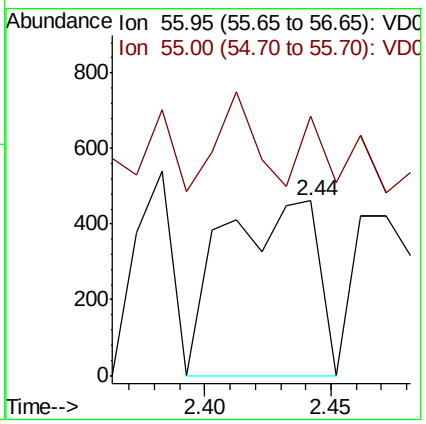


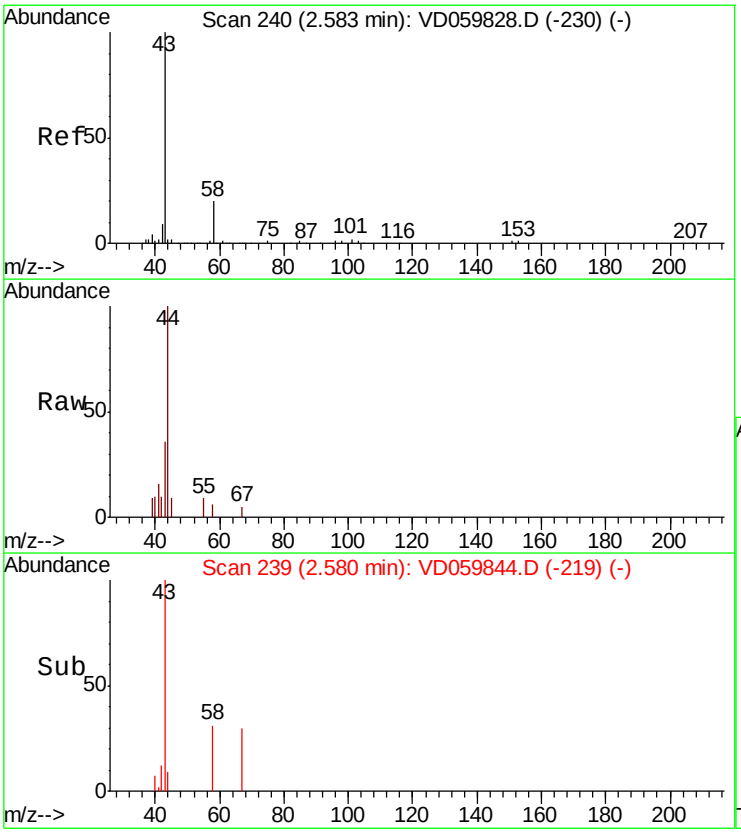

#13
Acrolein
Concen: 5.694 ug/l
RT: 2.44 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion: 56 Resp: 1201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 148.8 | 60.4 | 90.6# |

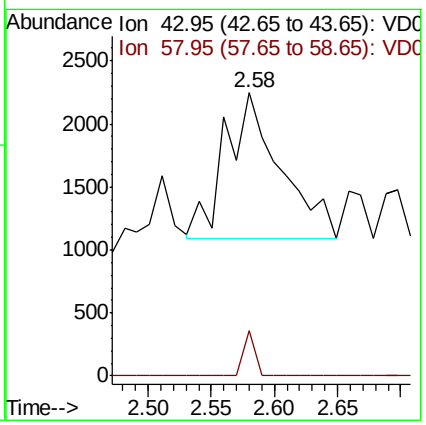


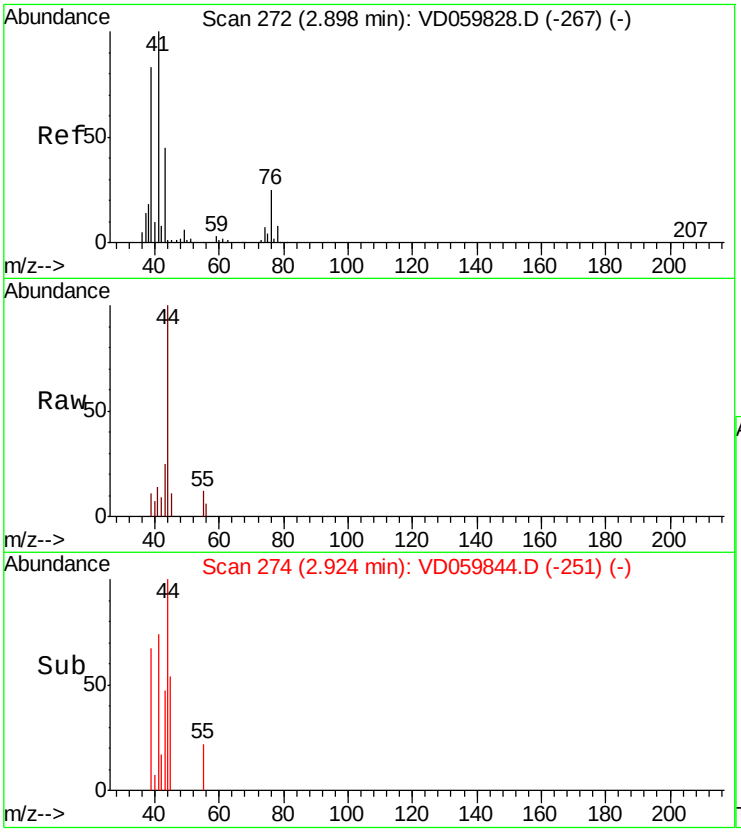




#16
Acetone
Concen: 3.079 ug/l
RT: 2.58 min Scan# 239
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 43 Resp: 3528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.9 | 16.2 | 24.2# |



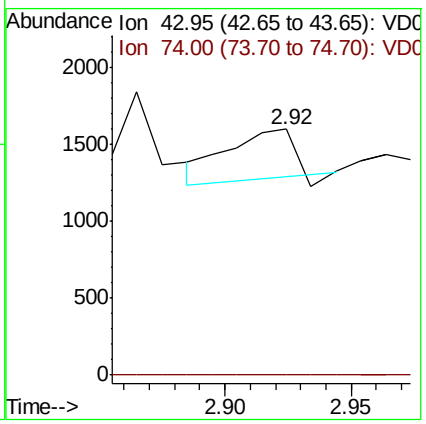


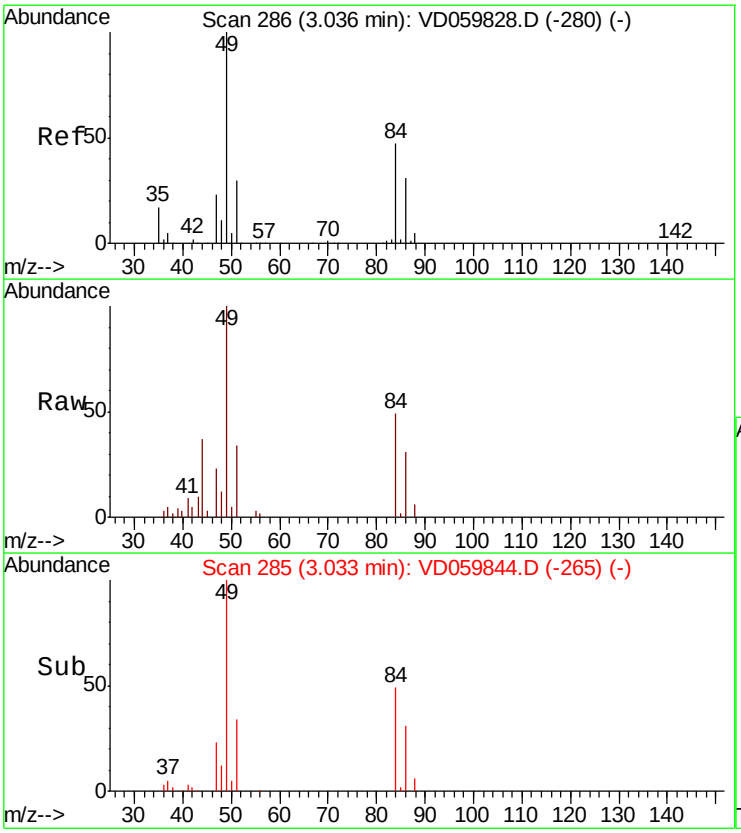

#18
Methyl Acetate
Concen: Below Cal
RT: 2.92 min Scan# 274
Delta R.T. 0.03 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion: 43 Resp: 571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 11.4 | 17.0# |

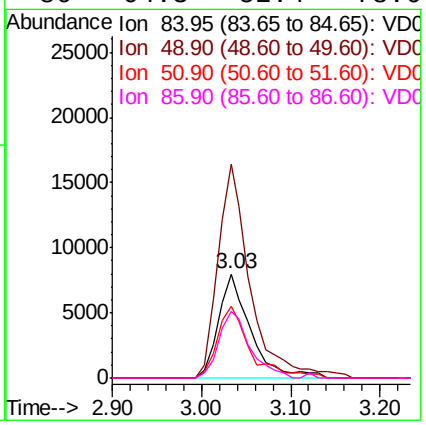


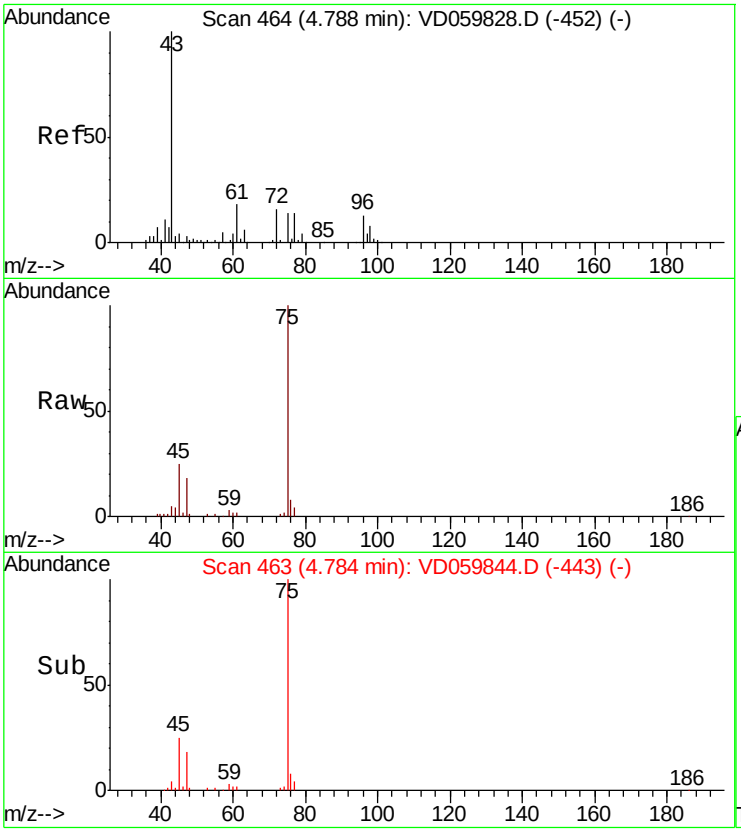




#20
Methylene Chloride
Concen: Below Cal
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 84 Resp: 20079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 205.6 | 170.4 | 255.6 |
| 51 | 69.6 | 51.4 | 77.0 |
| 86 | 64.3 | 52.4 | 78.6 |



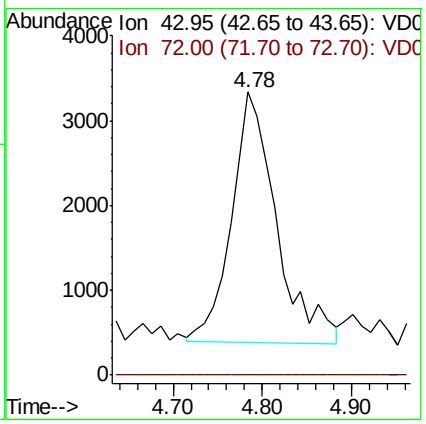


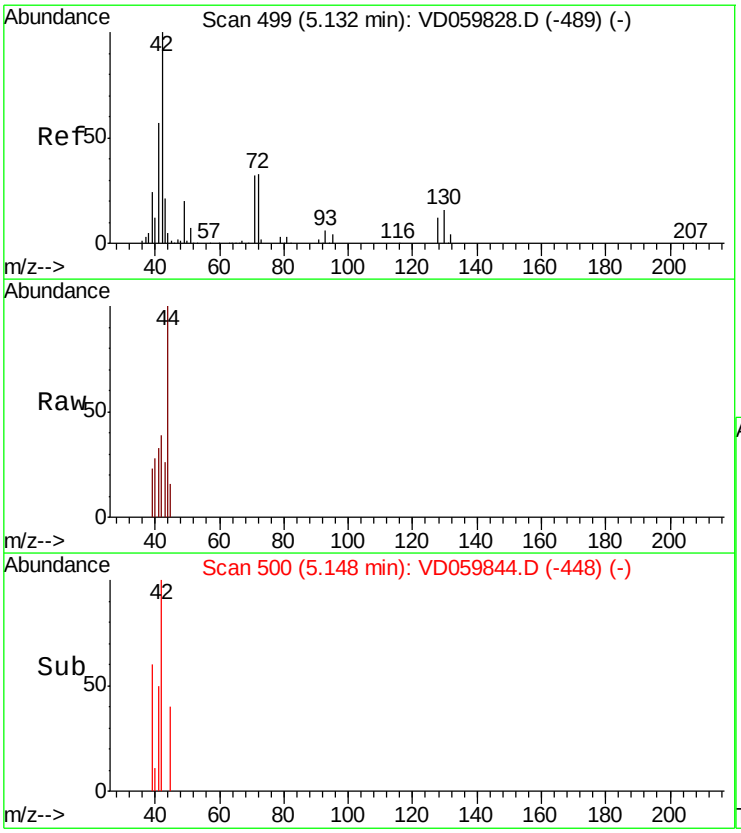

#25
2-Butanone
Concen: 2.981 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :** MSVOA_D
**ClientSampleId :** RA-081418-FL-028

Tgt Ion: 43 Resp: 10323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 12.4 | 18.6# |

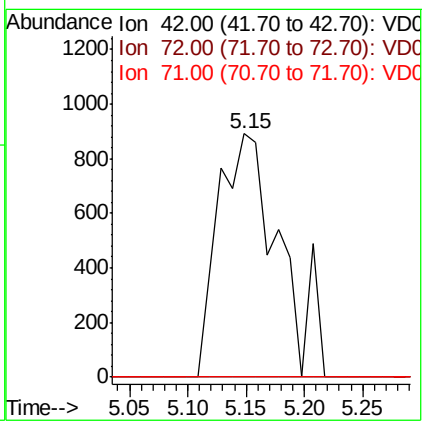


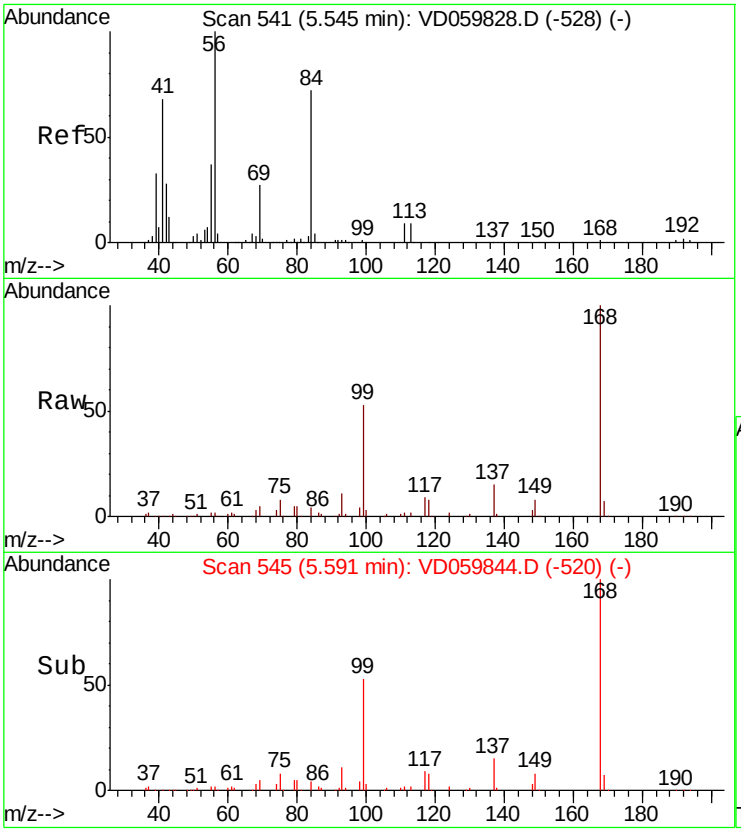




#29
Tetrahydrofuran
Concen: 1.853 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 42 Resp: 3249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 25.8 | 38.6# |
| 71 | 0.0 | 25.7 | 38.5# |



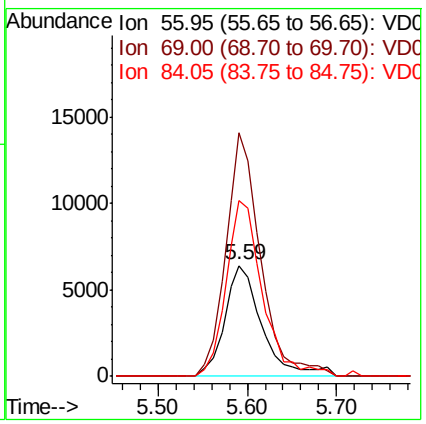


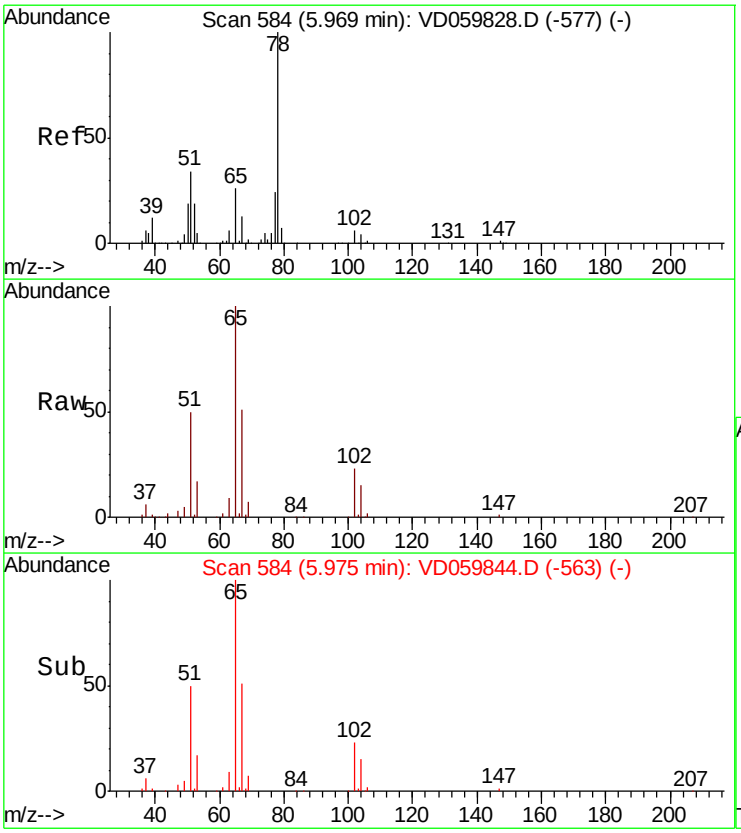

#31
Cyclohexane
Concen: Below Cal
RT: 5.59 min Scan# 545
Delta R.T. 0.05 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :** MSVOA_D
**ClientSampleId :** RA-081418-FL-028

Tgt Ion: 56 Resp: 18642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 219.7 | 21.7 | 32.5# |
| 84 | 158.9 | 57.8 | 86.6# |

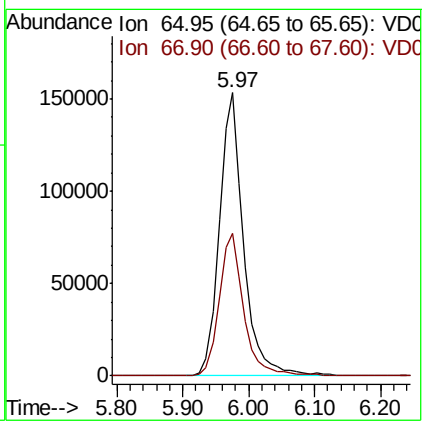


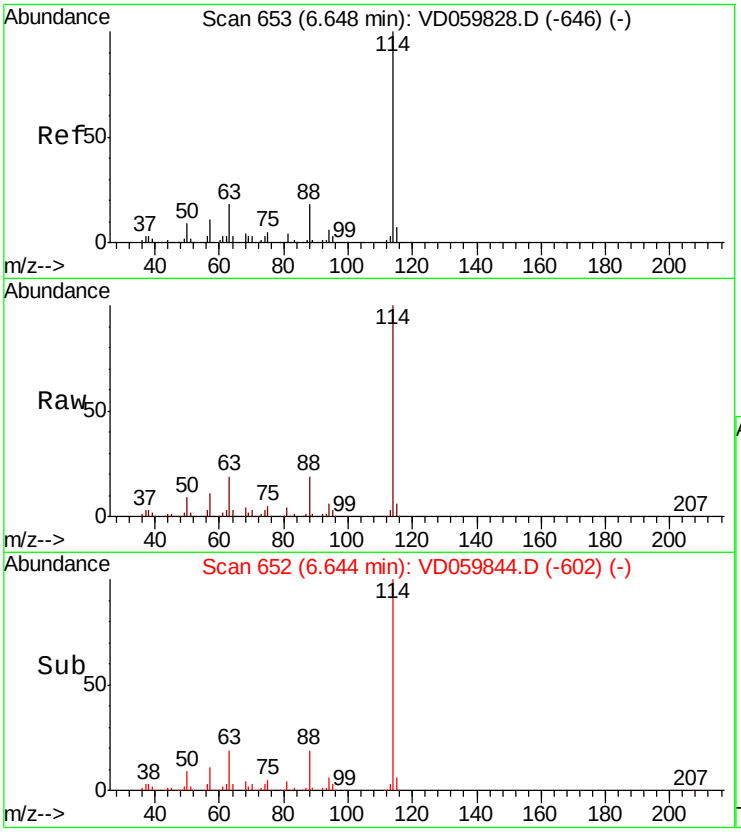




#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 65 Resp: 390068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 102.4 |



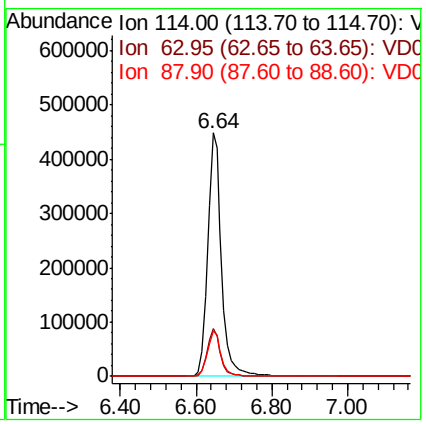


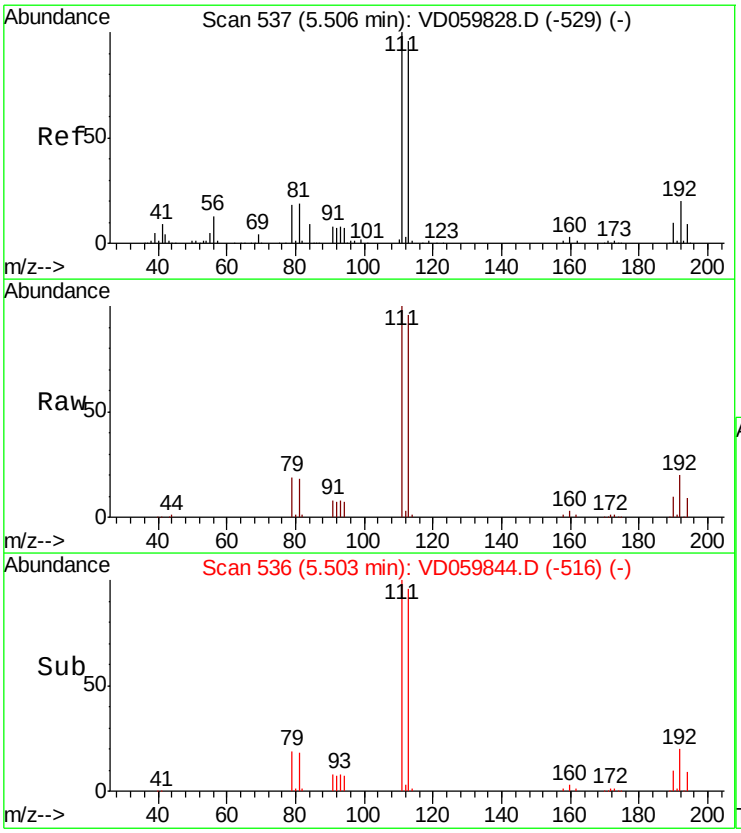

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion:114 Resp: 1149441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 37.0 |
| 88 | 18.7 | 0.0 | 37.0 |

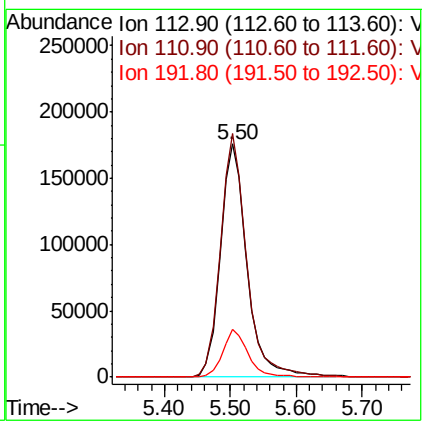


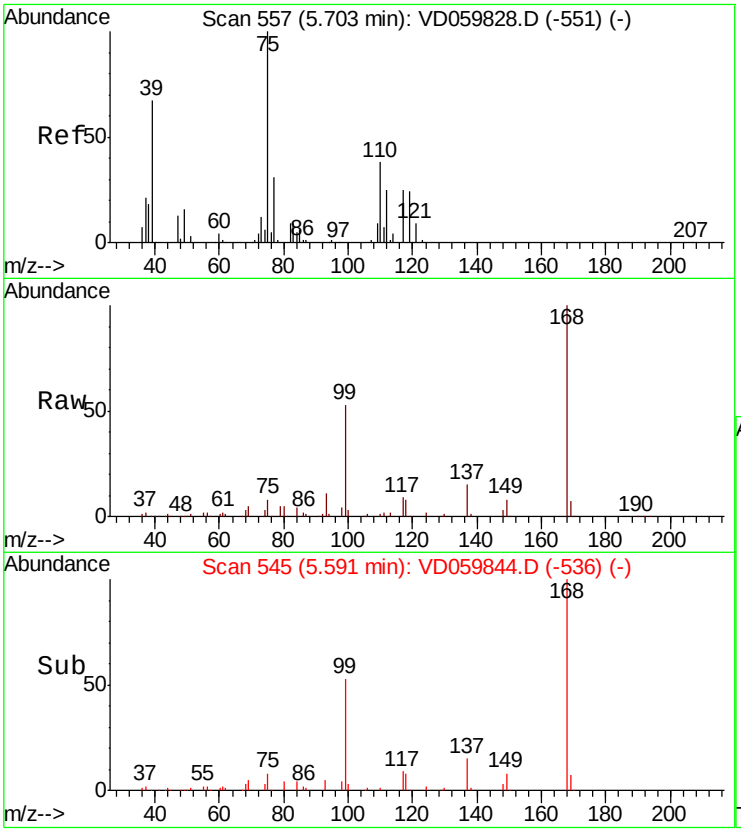




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion:113 Resp: 495764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.4 | 83.3 | 124.9 |
| 192 | 20.5 | 16.8 | 25.2 |



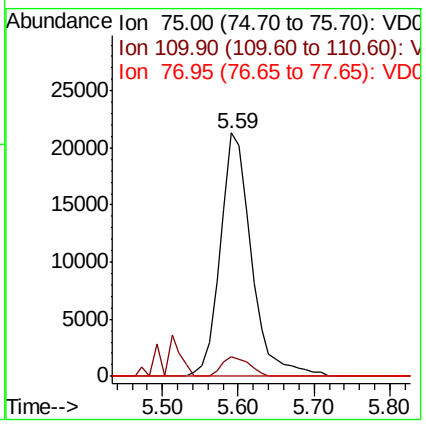


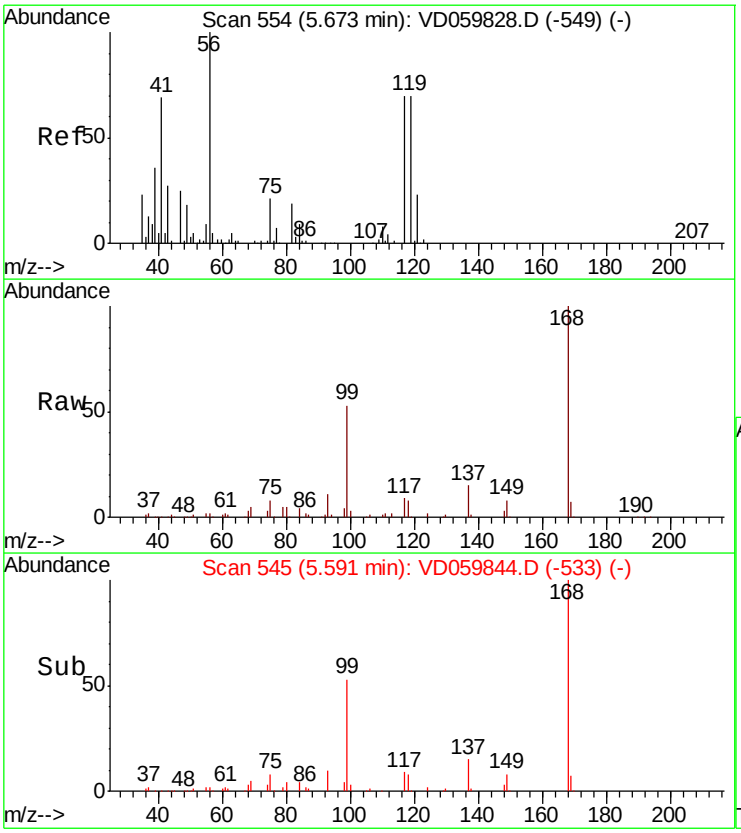

#36
1,1-Dichloropropene
Concen: 6.238 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.11 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :** MSVOA_D
**ClientSampleId :** RA-081418-FL-028

Tgt Ion: 75 Resp: 60805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.9 | 18.8 | 56.4# |
| 77 | 0.0 | 24.9 | 37.3# |

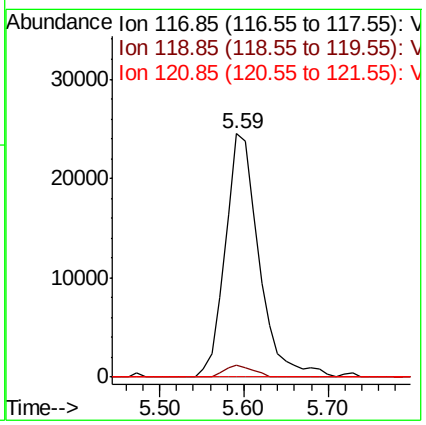


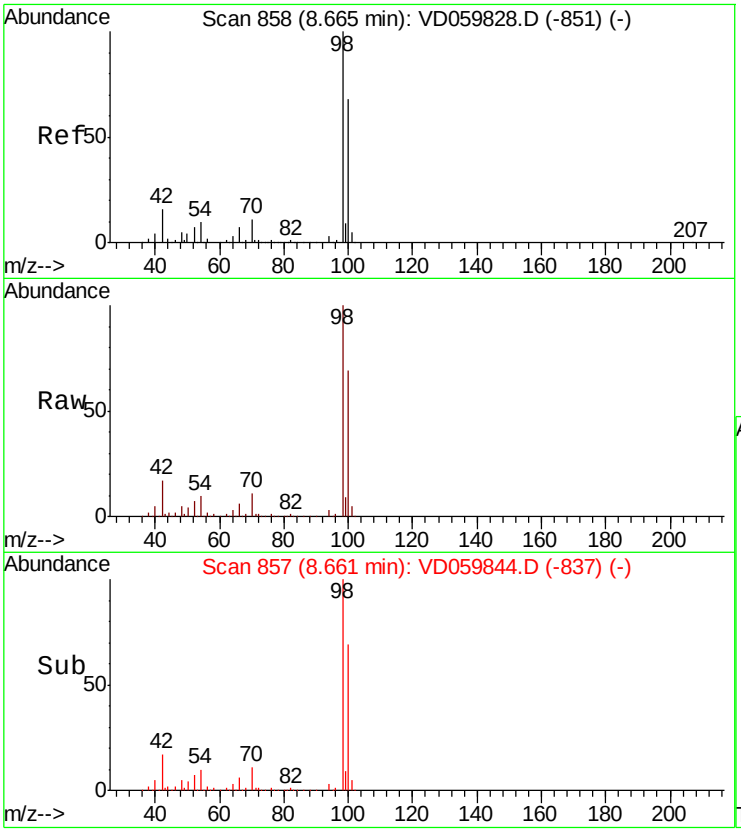




#38
Carbon Tetrachloride
Concen: 7.004 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.08 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion:117 Resp: 68149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.7 | 77.0 | 115.4# |
| 121 | 0.0 | 24.7 | 37.1# |



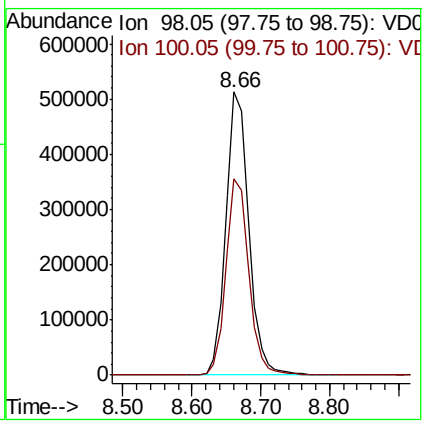


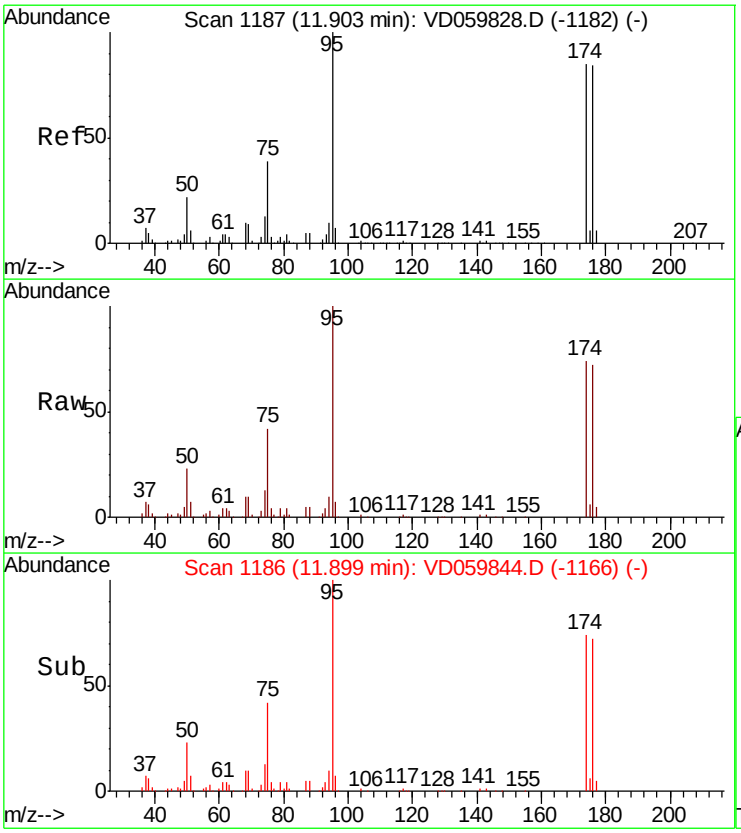

#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.66 min Scan# 857
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion: 98 Resp: 1183035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.5 | 55.0 | 82.4 |

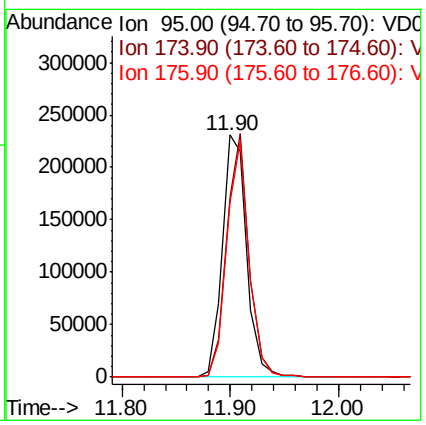


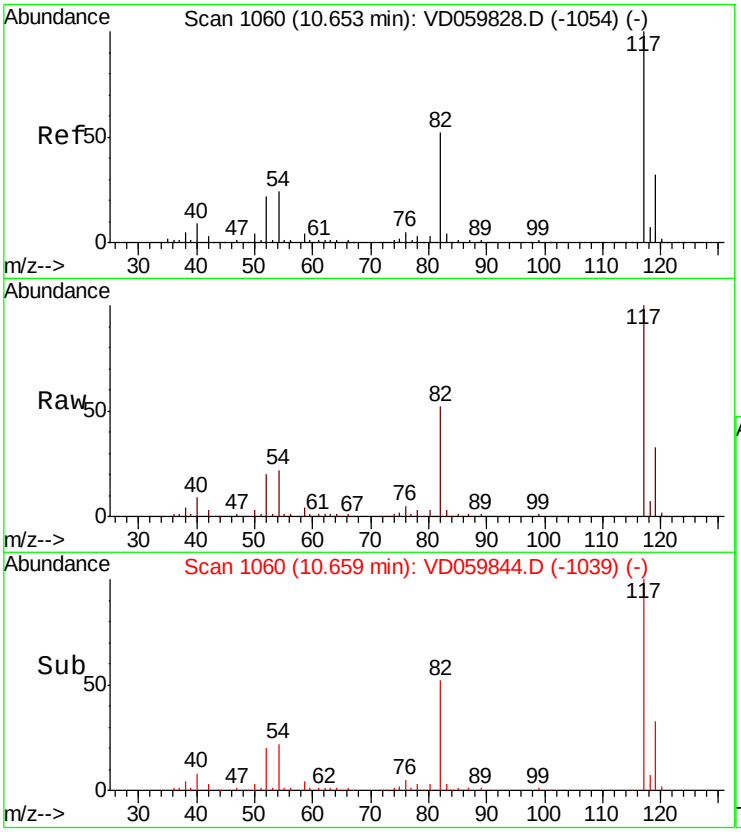




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion: 95 Resp: 359156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 169.2 |
| 176 | 72.2 | 0.0 | 168.0 |



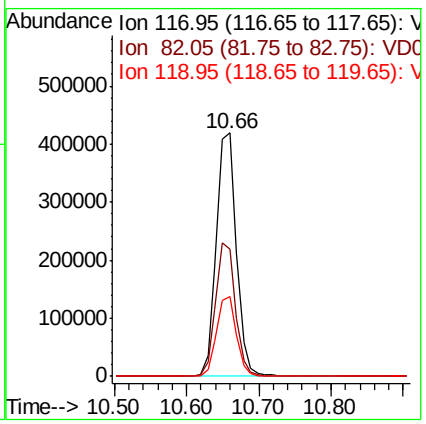


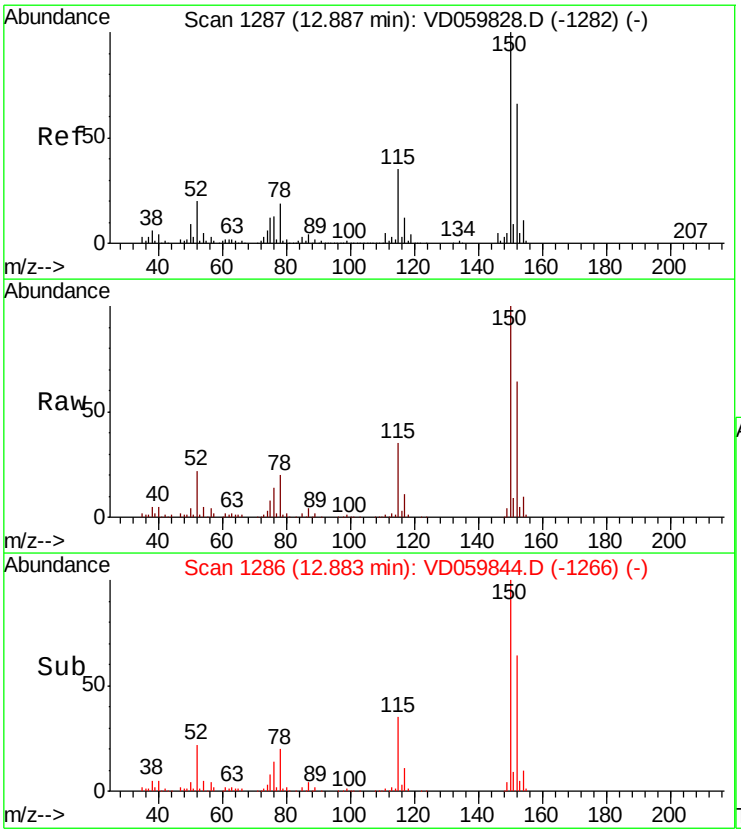

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion:117 Resp: 801837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.2 | 41.6 | 62.4 |
| 119 | 32.5 | 25.6 | 38.4 |

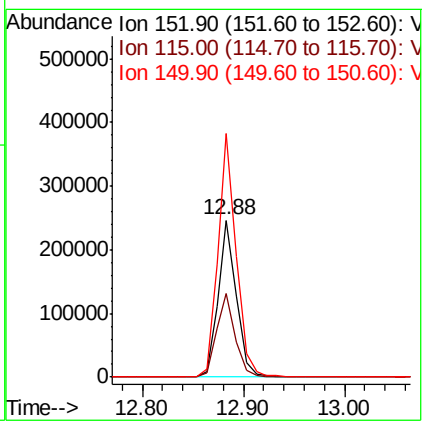


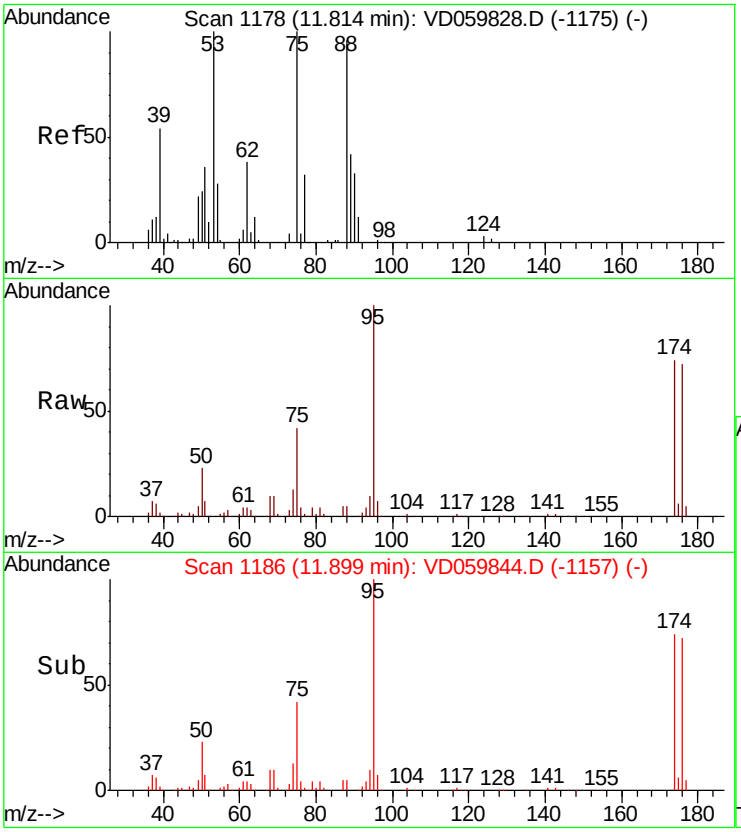




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.88 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

Tgt Ion:152 Resp: 311942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.6 | 26.9 | 80.6 |
| 150 | 155.3 | 0.0 | 306.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 89.165 ug/l
RT: 11.90 min Scan# 1186
Delta R.T. 0.09 min
Lab File: VD059844.D
Acq: 20 Aug 2018 21:33

**Instrument :**
MSVOA_D
**ClientSampleId :**
RA-081418-FL-028

Tgt Ion: 75 Resp: 143848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.7 | 121.1# |
| 89 | 0.0 | 33.9 | 50.9# |