Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101018\
Data File : VD060172.D
Acq On : 10 Oct 2018 13:43
Operator : VA/AP
Sample : J5329-01RE
Misc : 6.62g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Quant Time: Oct 11 01:10:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.38 | 168 | 71633 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 7.43 | 114 | 108232 | 50.00 | ug/l | 0.01 |
| 63) Chlorobenzene-d5 | 11.28 | 117 | 101610 | 50.00 | ug/l | 0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152 | 56778 | 50.00 | ug/l | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.77 | 65 | 52909 | 97.44 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 194.88% | | | |
| 35) Dibromofluoromethane | 6.31 | 113 | 51028 | 62.09 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 124.18% | | | |
| 50) Toluene-d8 | 9.45 | 98 | 123650 | 52.76 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 105.52% | | | |
| 62) 4-Bromofluorobenzene | 12.42 | 95 | 59515 | 67.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 135.64% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.11 | 94 | 534 | 8.553 | ug/l # | 1 |
| 14) Allyl chloride | 3.50 | 41 | 903 | 1.488 | ug/l # | 75 |
| 16) Acetone | 3.15 | 43 | 4881 | 49.540 | ug/l # | 54 |
| 18) Methyl Acetate | 3.50 | 43 | 926 | 4.373 | ug/l # | 63 |
| 20) Methylene Chloride | 3.70 | 84 | 22287 | 26.737 | ug/l | 93 |
| 26) 2,2-Dichloropropane | 5.64 | 77 | 1546 | 1.659 | ug/l # | 48 |
| 29) Tetrahydrofuran | 5.94 | 42 | 615 | 4.301 | ug/l # | 41 |
| 31) Cyclohexane | 6.38 | 56 | 1356 | 1.153 | ug/l # | 1 |
| 37) Ethyl Acetate | 5.63 | 43 | 2234 | 3.254 | ug/l # | 45 |
| 38) Carbon Tetrachloride | 6.38 | 117 | 5772 | 6.149 | ug/l # | 11 |
| 41) Methacrylonitrile | 5.93 | 41 | 397 | 1.023 | ug/l # | 38 |
| 76) 1,2,3-Trichloropropane | 12.42 | 75 | 19514 | 23.865 | ug/l # | 45 |
| 81) trans-1,4-Dichloro-2-buten | 12.42 | 75 | 24297 | 105.752 | ug/l # | 13 |
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180 | 1415 | 1.045 | ug/l # | 48 |
| 95) Naphthalene | 14.97 | 128 | 2511 | 1.252 | ug/l # | 79 |

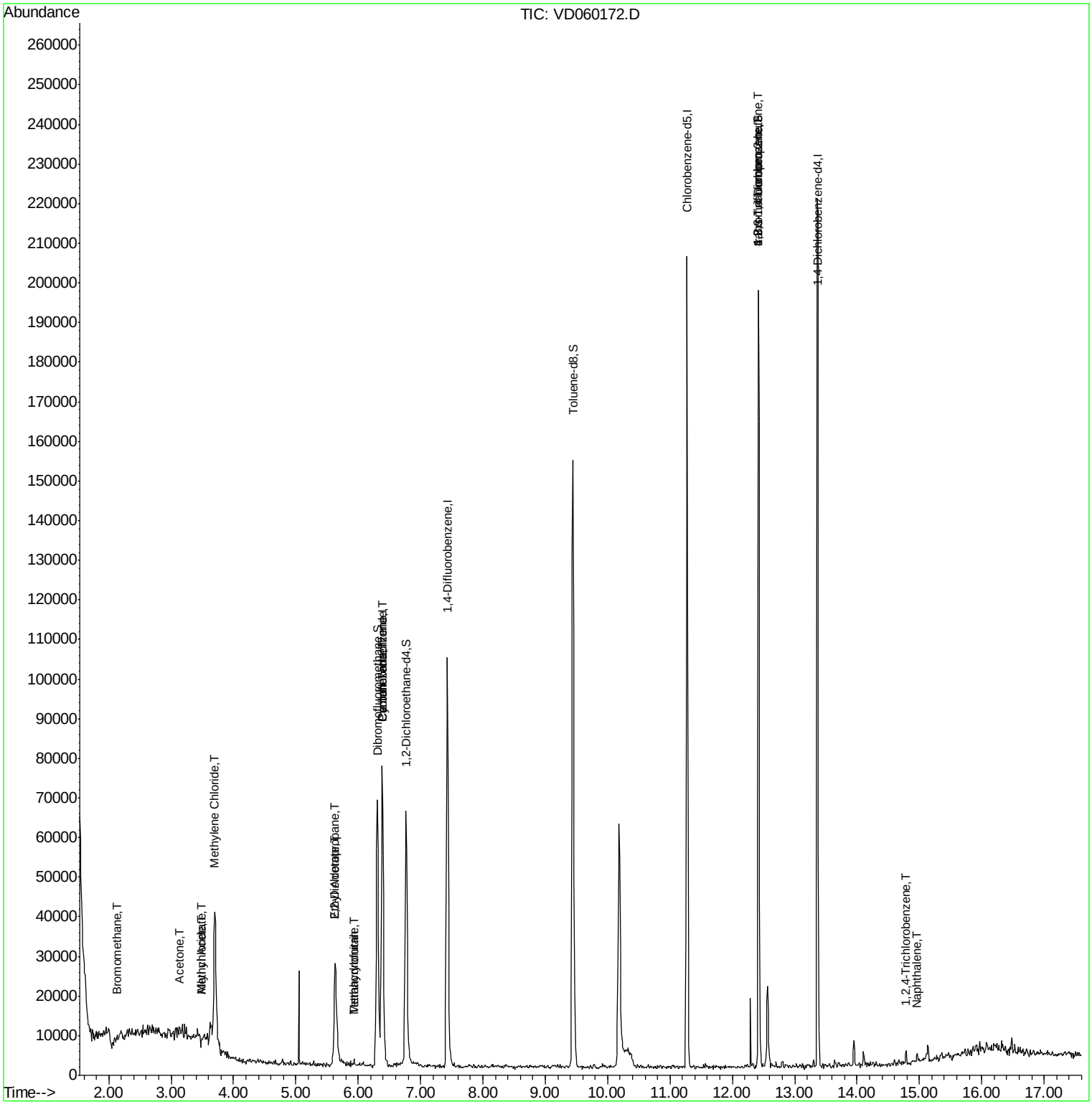
(#) = qualifier out of range (m) = manual integration (+) = signals summed

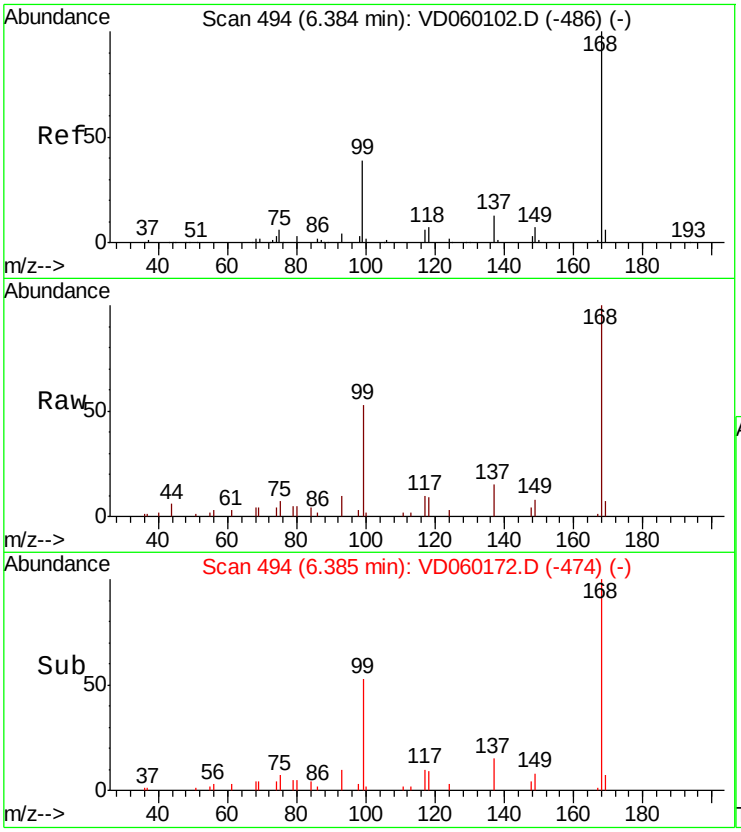
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101018\
Data File : VD060172.D
Acq On : 10 Oct 2018 13:43
Operator : VA/AP
Sample : J5329-01RE
Misc : 6.62g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Quant Time: Oct 11 01:10:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration



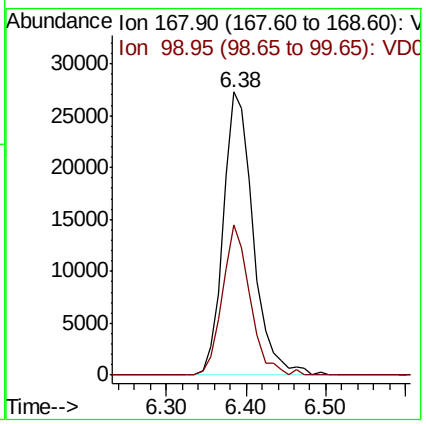


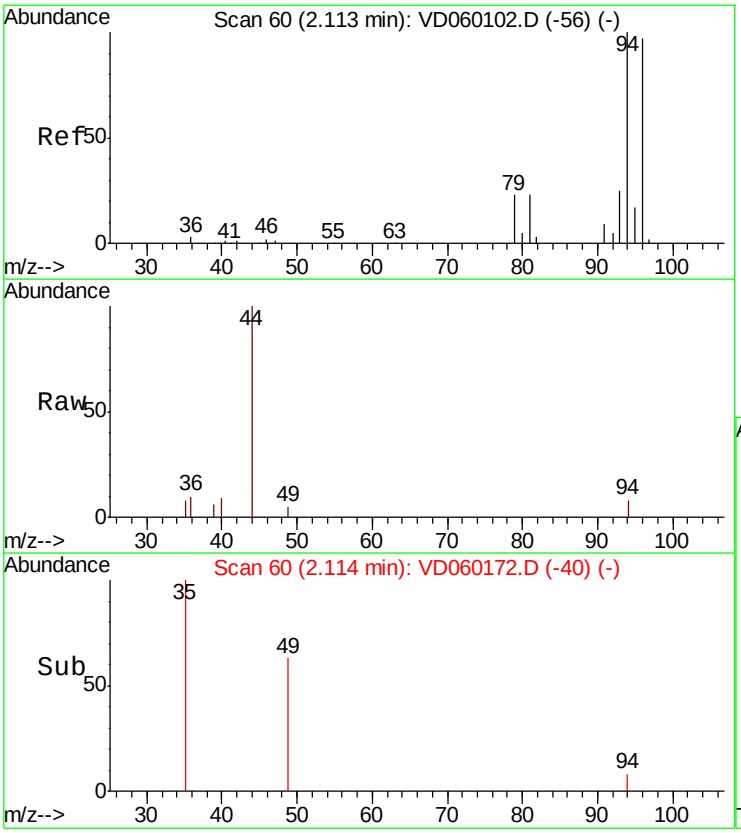

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion:168 Resp: 71633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.1 | 35.4 | 53.0# |

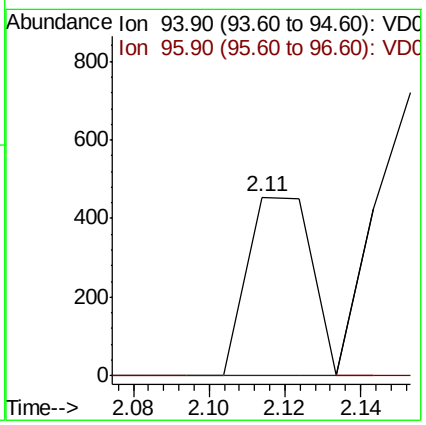


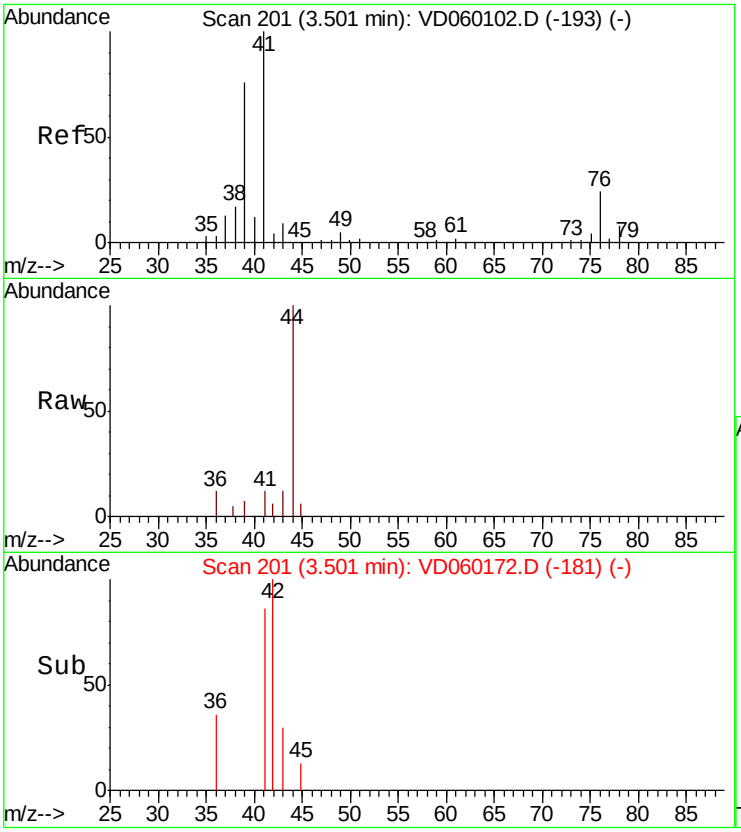




#5
Bromomethane
Concen: 8.553 ug/l
RT: 2.11 min Scan# 60
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 94 Resp: 534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 77.4 | 116.2# |



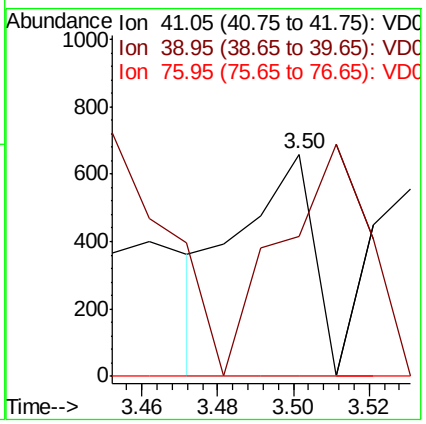


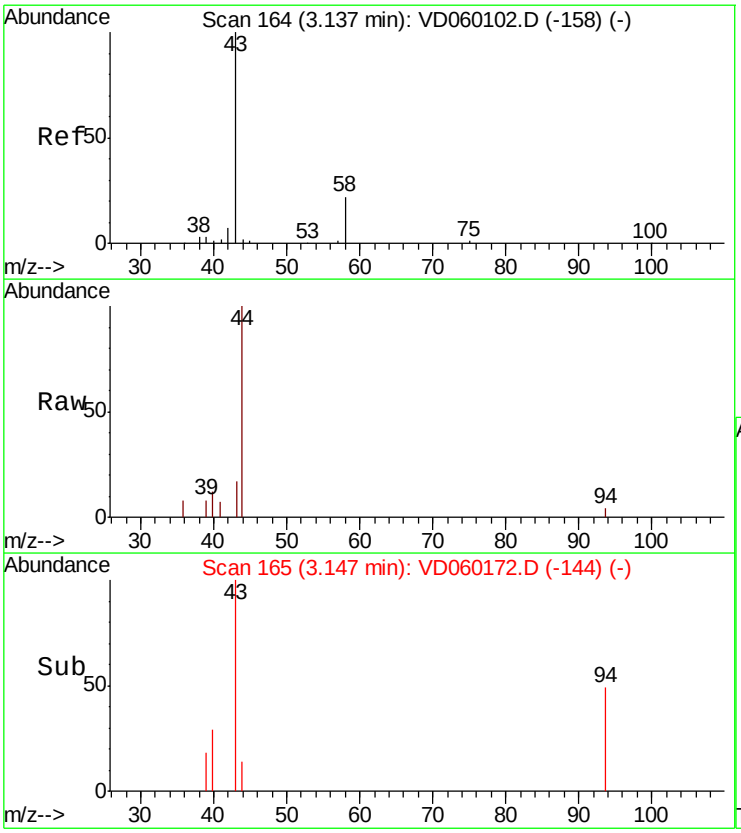

#14
Allyl chloride
Concen: 1.488 ug/l
RT: 3.50 min Scan# 201
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion: 41 Resp: 903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.9 | 60.6 | 90.8 |
| 76 | 0.0 | 21.3 | 31.9# |

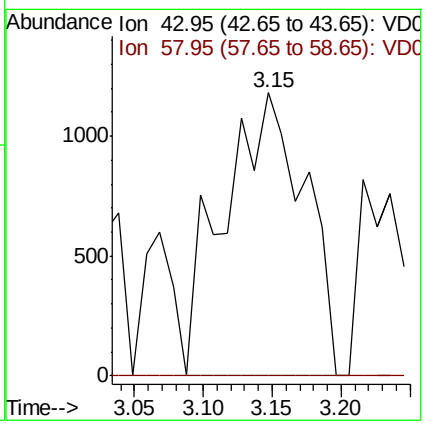


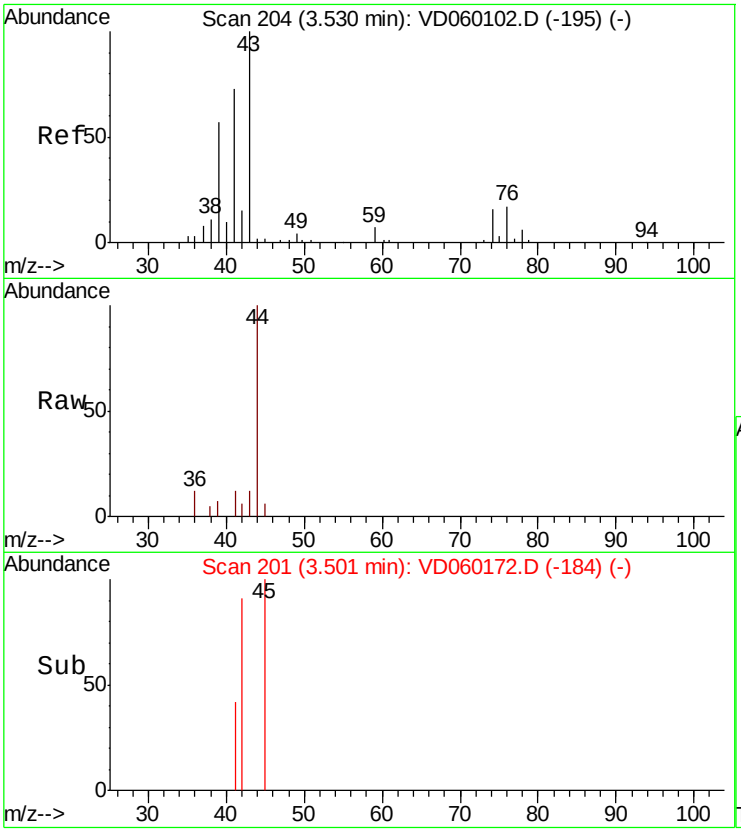




#16
Acetone
Concen: 49.540 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 43 Resp: 4881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 17.7 | 26.5# |



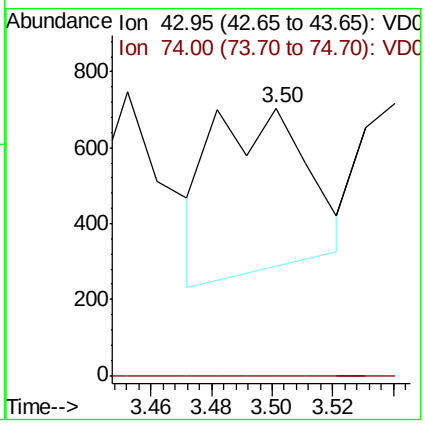


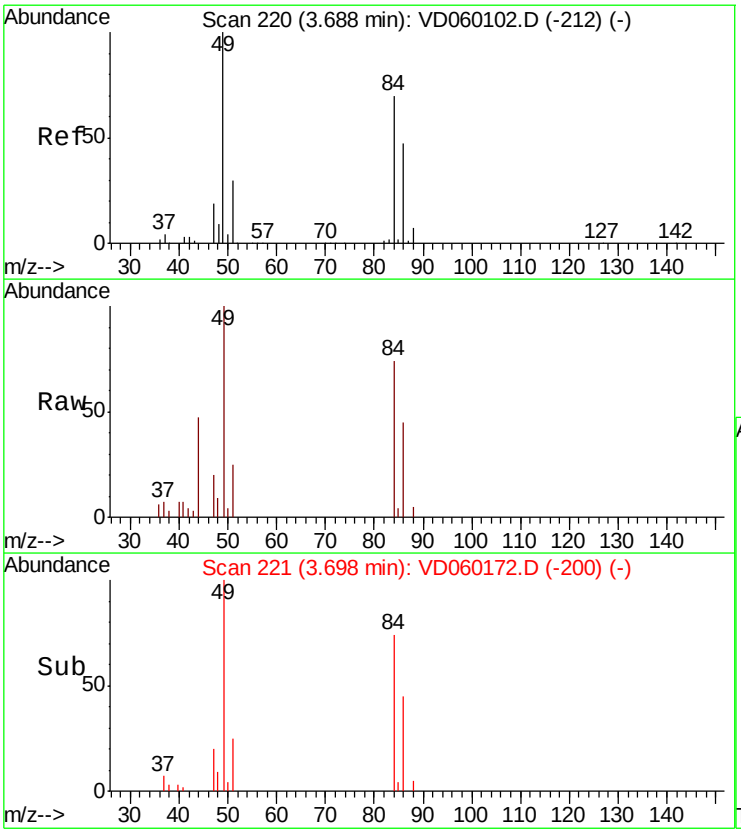

#18
Methyl Acetate
Concen: 4.373 ug/l
RT: 3.50 min Scan# 201
Delta R.T. -0.03 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion: 43 Resp: 926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 12.6 | 19.0# |

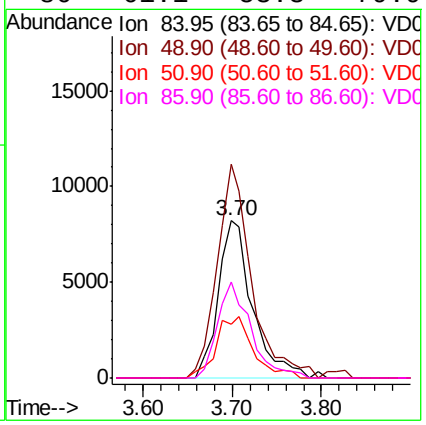


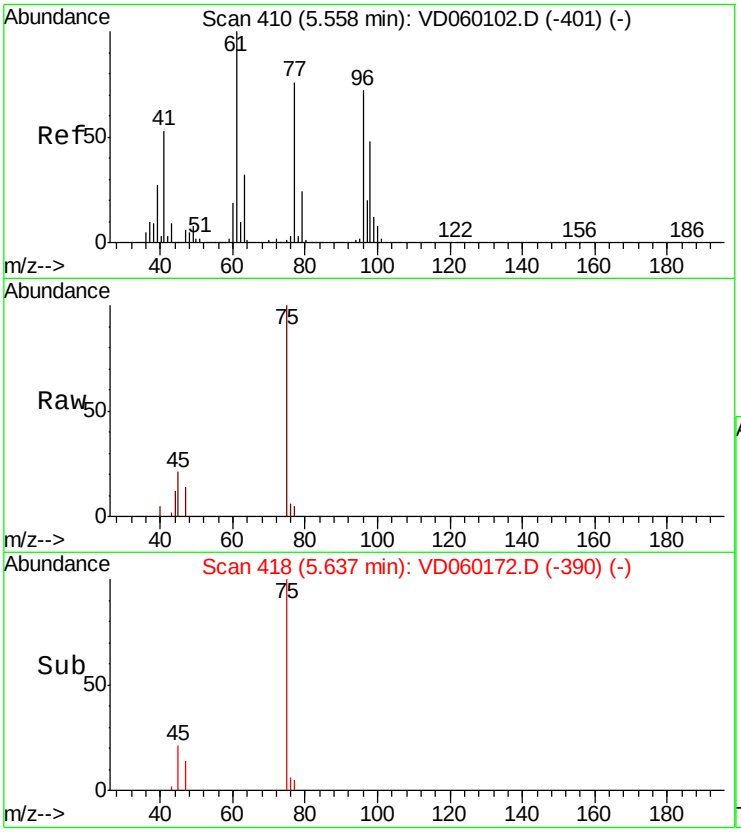




#20
Methylene Chloride
Concen: 26.737 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 84 Resp: 22287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 135.9 | 114.6 | 172.0 |
| 51 | 34.5 | 33.8 | 50.8 |
| 86 | 61.1 | 53.3 | 79.9 |



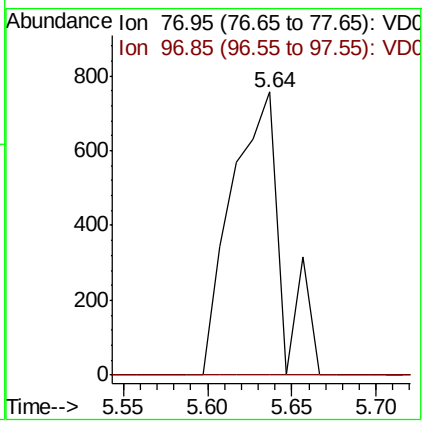


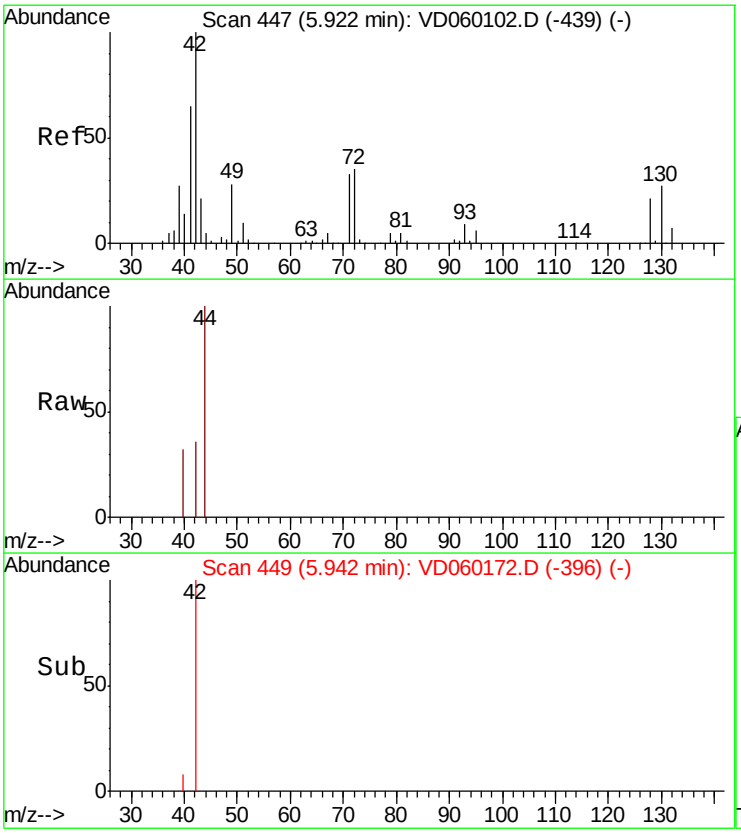

#26
2,2-Dichloropropane
Concen: 1.659 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.08 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion: 77 Resp: 1546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 13.3 | 39.9# |

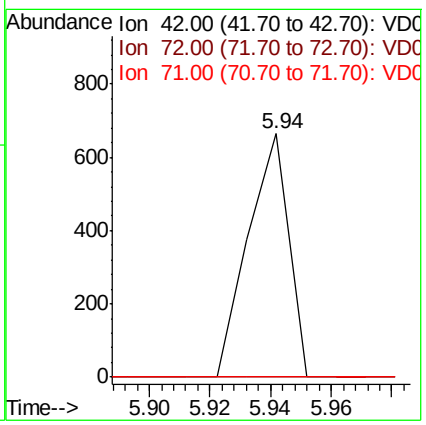


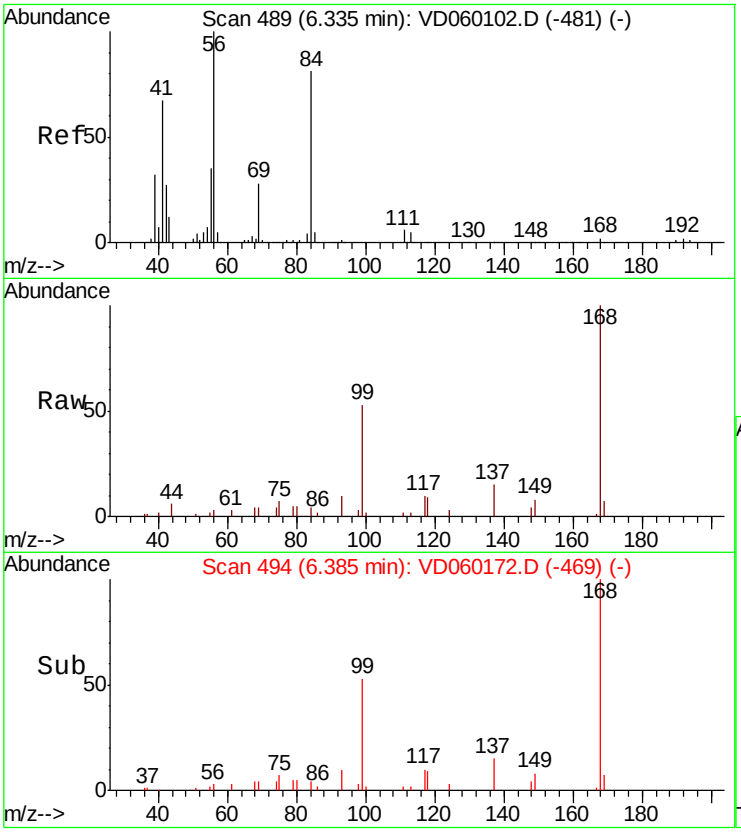




#29
Tetrahydrofuran
Concen: 4.301 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 42 Resp: 615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 26.9 | 40.3# |
| 71 | 0.0 | 26.7 | 40.1# |



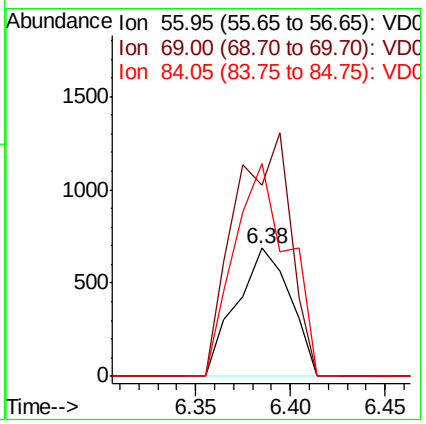


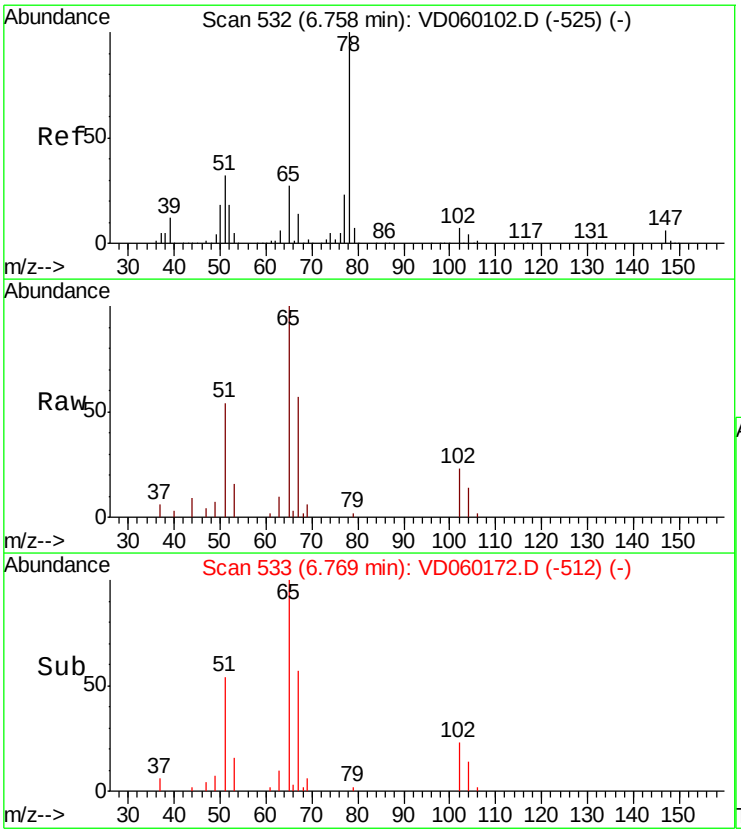

#31
Cyclohexane
Concen: 1.153 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion: 56 Resp: 1356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 149.3 | 22.8 | 34.2# |
| 84 | 166.0 | 64.9 | 97.3# |

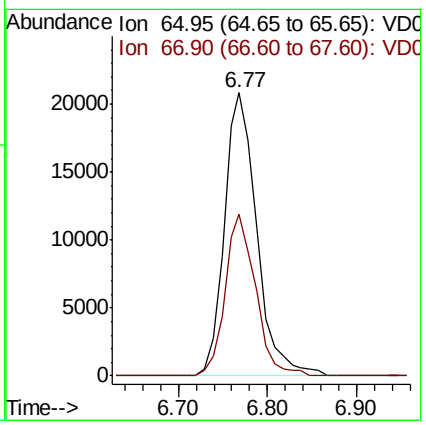


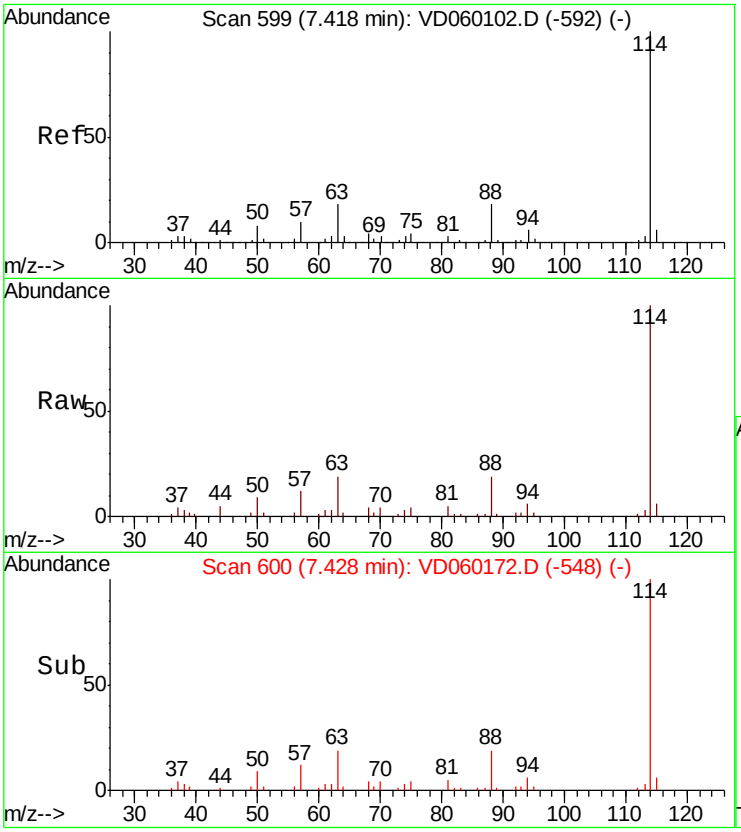




#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 65 Resp: 52909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 57.3 | 0.0 | 106.2 |



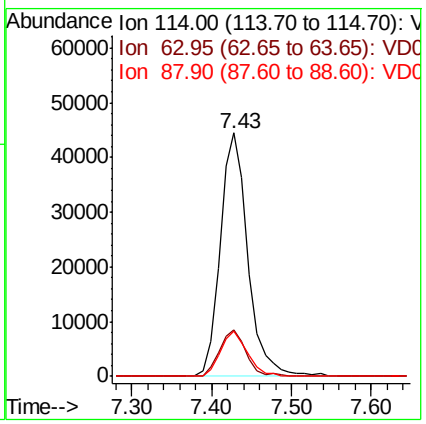


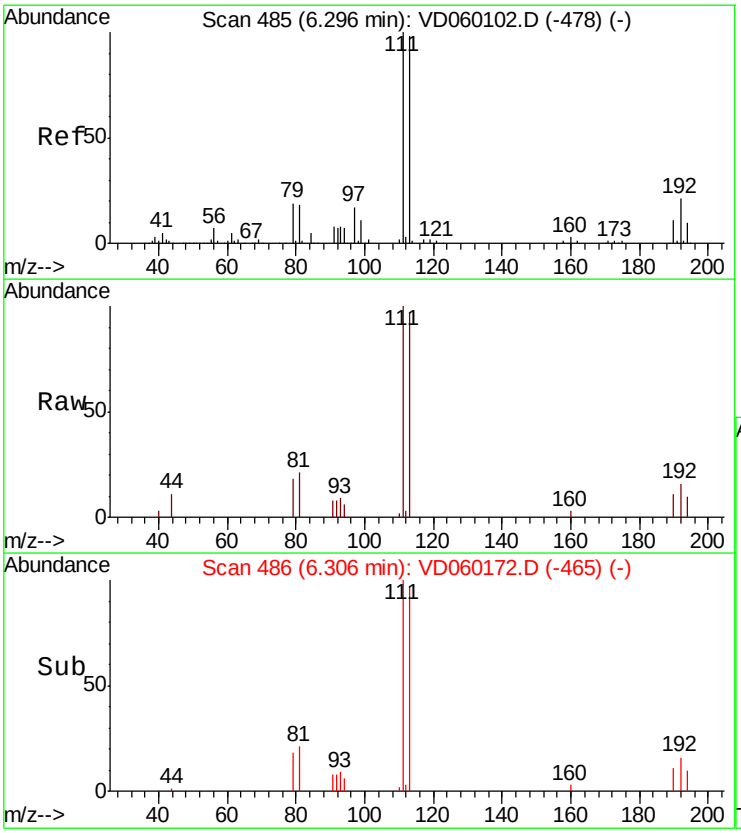

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion:114 Resp: 108232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 36.0 |
| 88 | 18.5 | 0.0 | 36.2 |

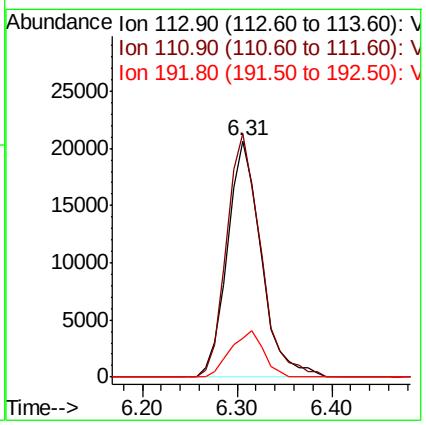


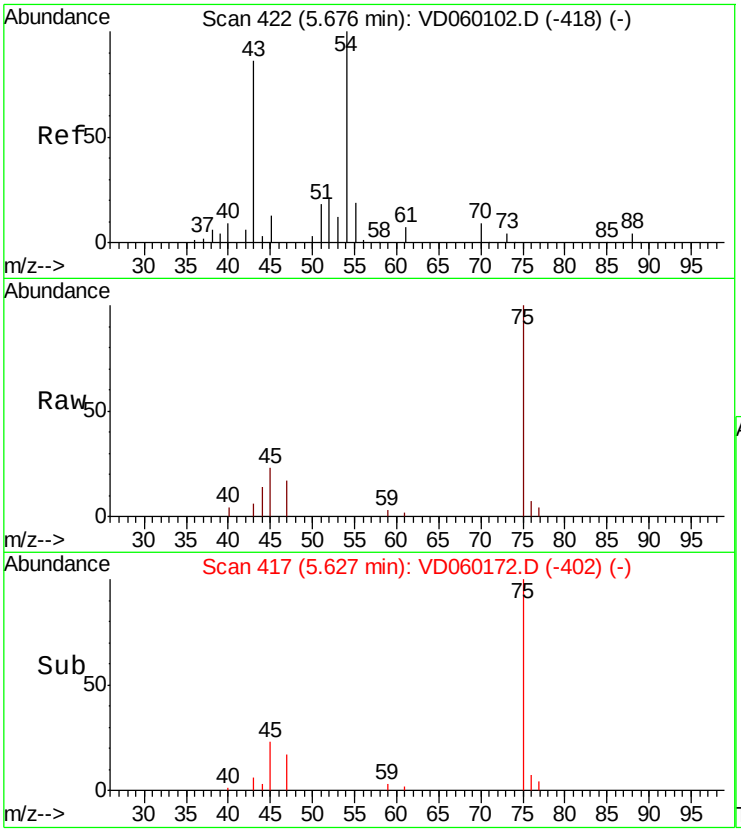




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion:113 Resp: 51028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 81.5 | 122.3 |
| 192 | 16.6 | 17.4 | 26.0# |



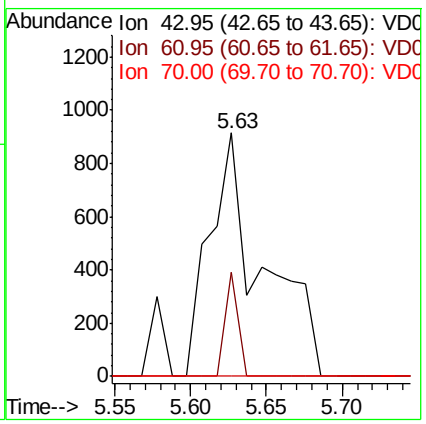


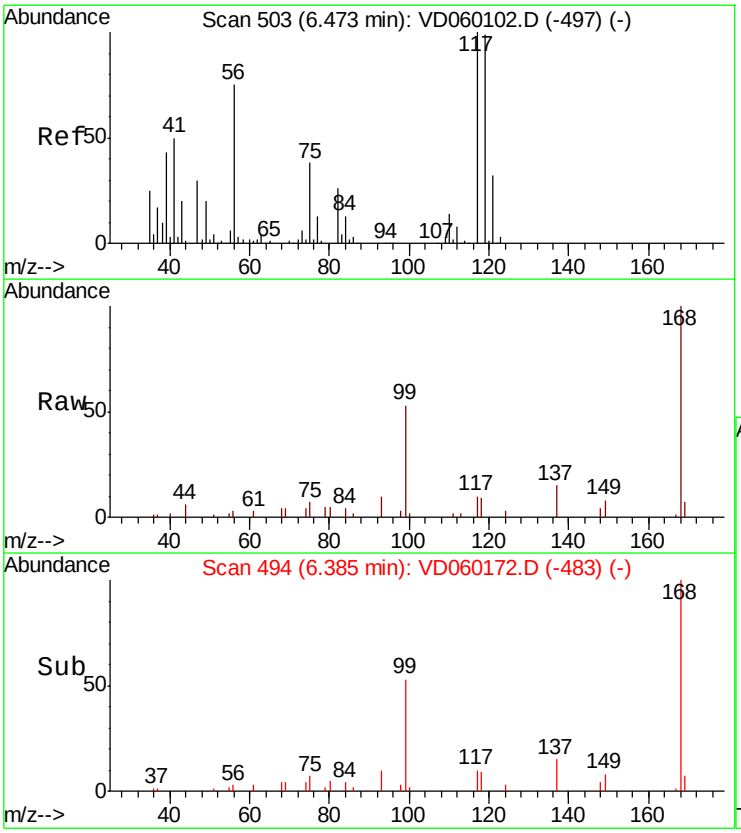

#37
Ethyl Acetate
Concen: 3.254 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.05 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion: 43 Resp: 2234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 42.6 | 10.5 | 15.7# |
| 70 | 0.0 | 6.3 | 9.5# |

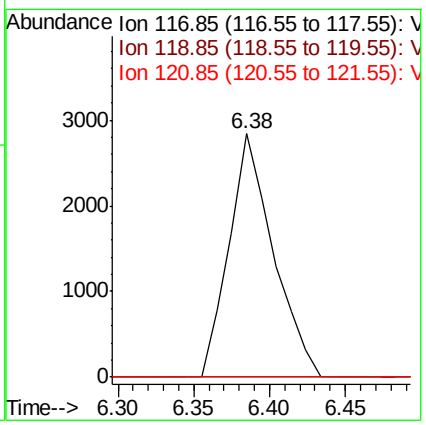


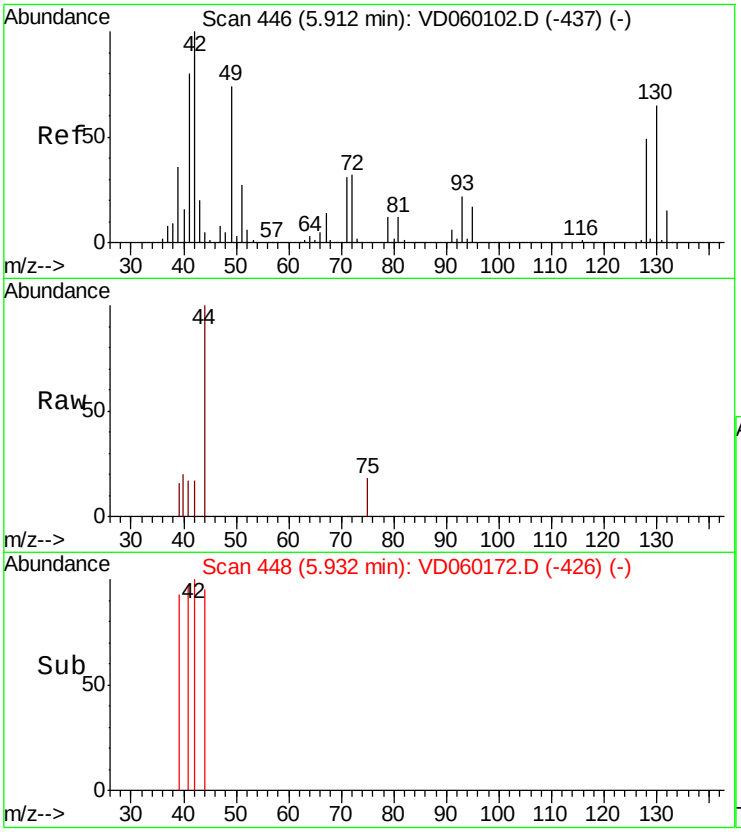




#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.09 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion:117 Resp: 5772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 77.8 | 116.6# |
| 121 | 0.0 | 24.8 | 37.2# |



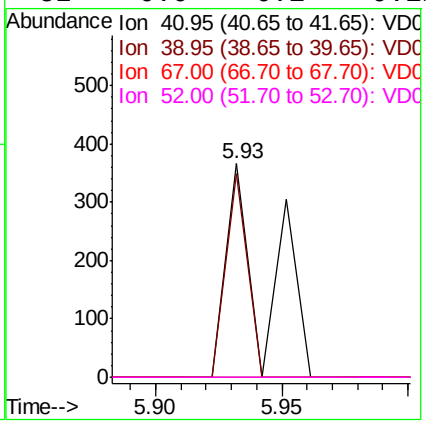


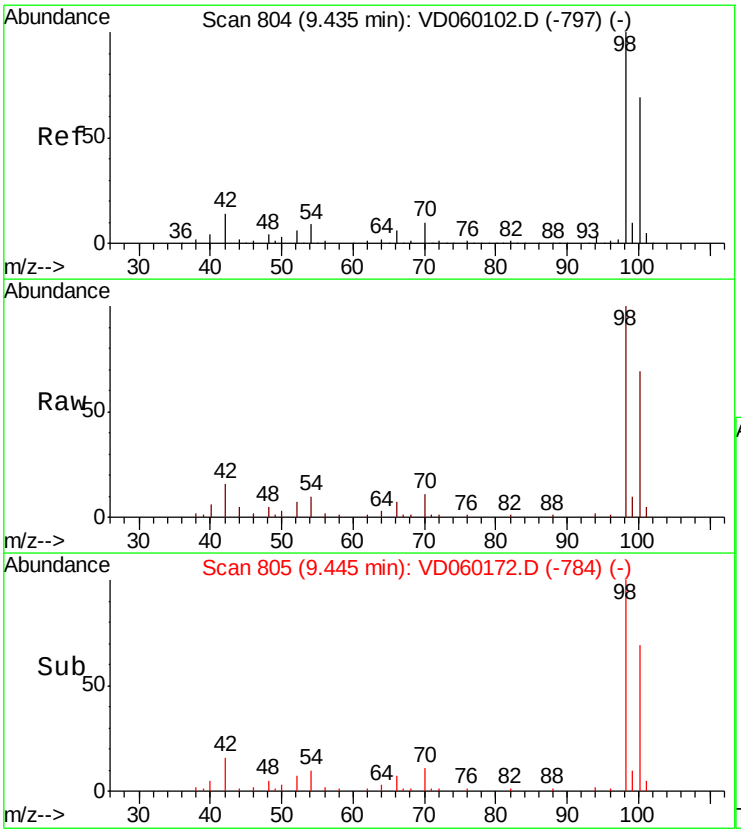

#41
Methacrylonitrile
Concen: 1.023 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion: 41 Resp: 397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 95.6 | 36.0 | 54.0# |
| 67 | 0.0 | 13.9 | 20.9# |
| 52 | 0.0 | 6.1 | 9.1# |

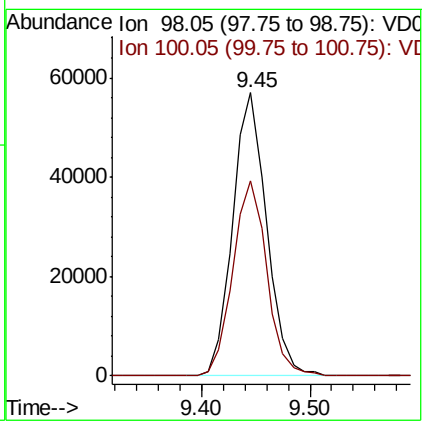


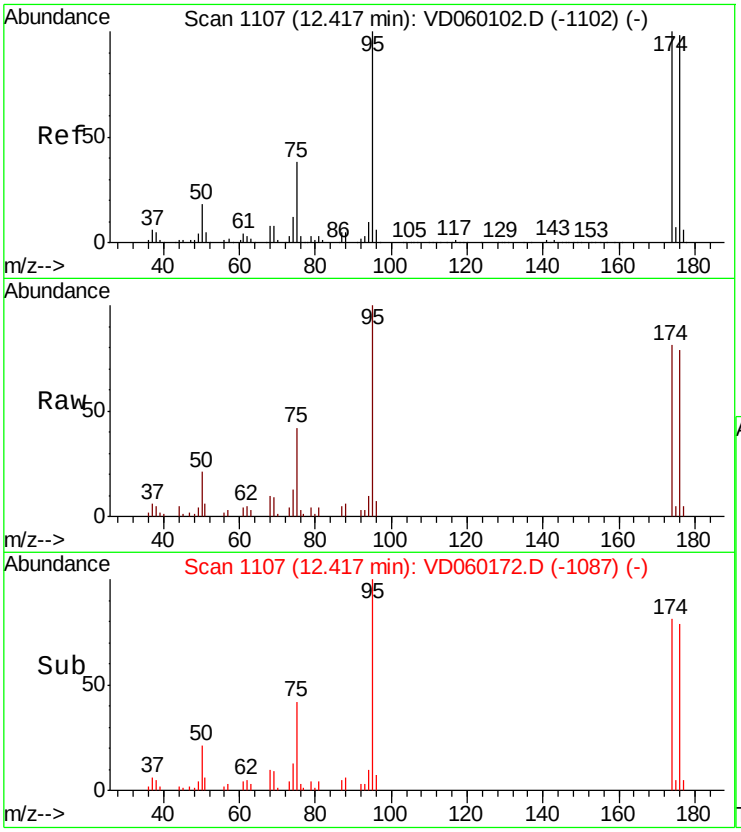




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 98 Resp: 123650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.9 | 55.4 | 83.0 |



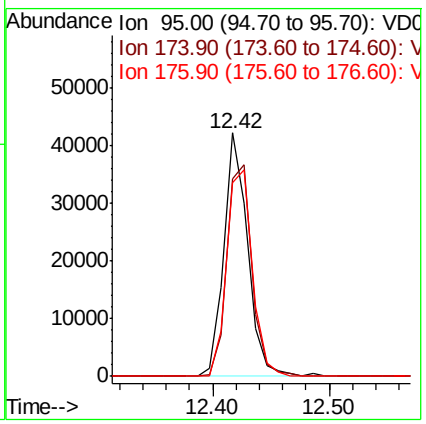


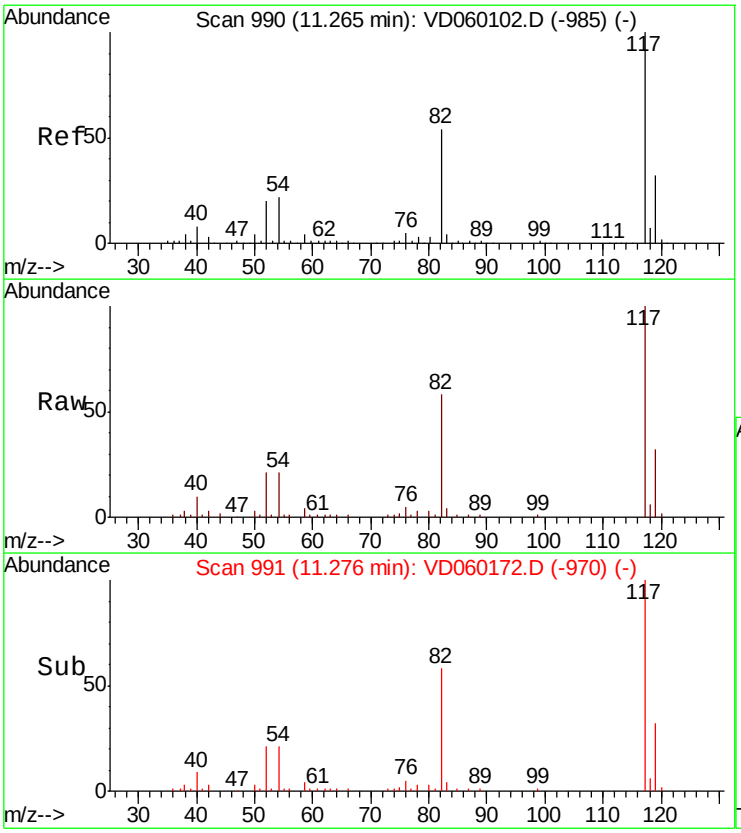

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion: 95 Resp: 59515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.2 | 0.0 | 200.2 |
| 176 | 79.4 | 0.0 | 195.6 |

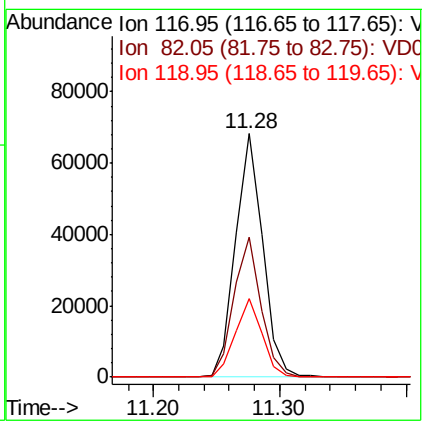


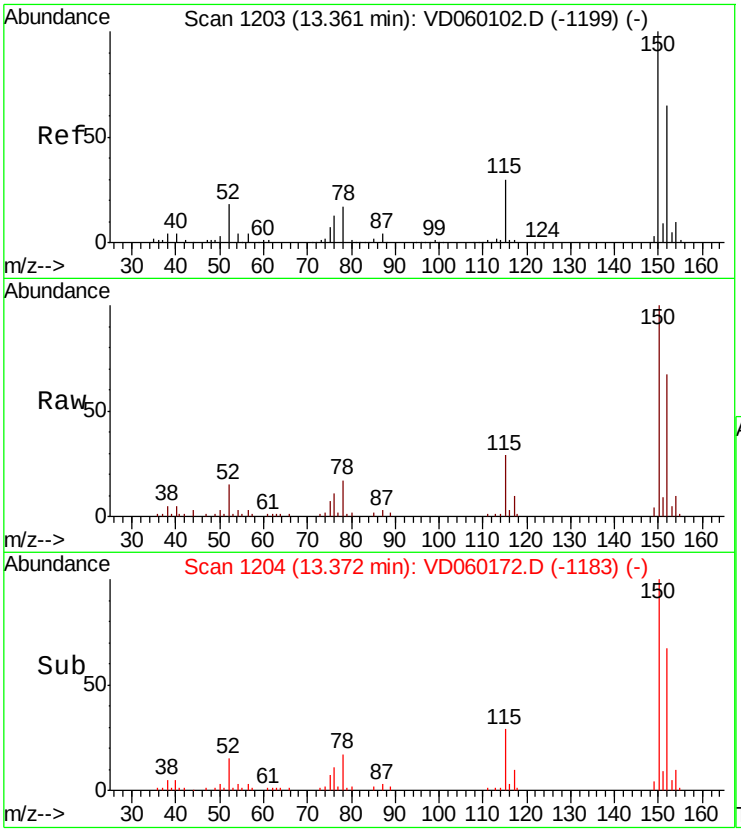




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion:117 Resp: 101610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.6 | 43.4 | 65.2 |
| 119 | 32.0 | 26.0 | 39.0 |



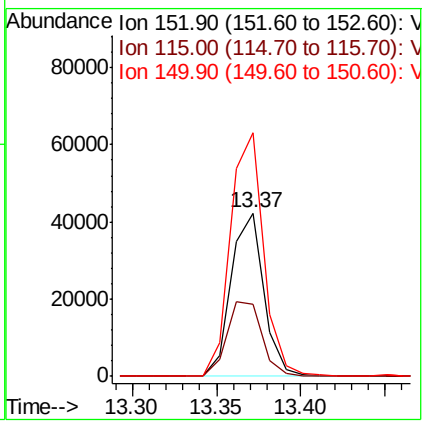


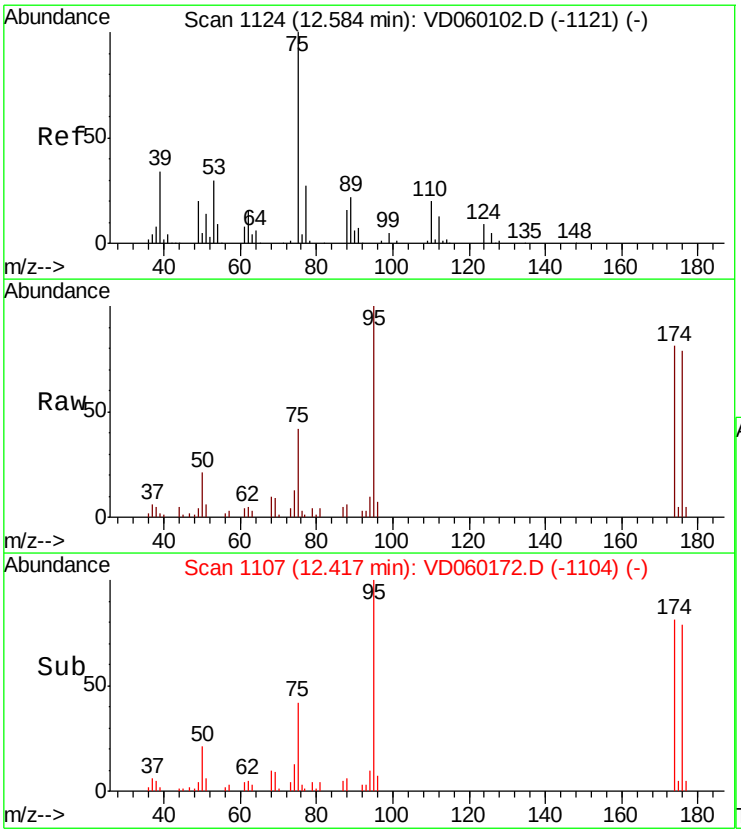

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :** MSVOA_D
**ClientSampleId :** POND-1RE

Tgt Ion:152 Resp: 56778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 43.8 | 27.1 | 81.2 |
| 150 | 148.9 | 0.0 | 311.8 |

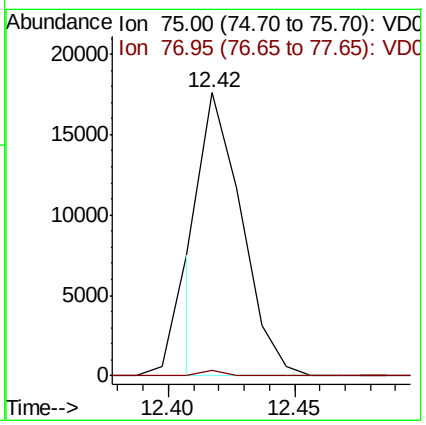


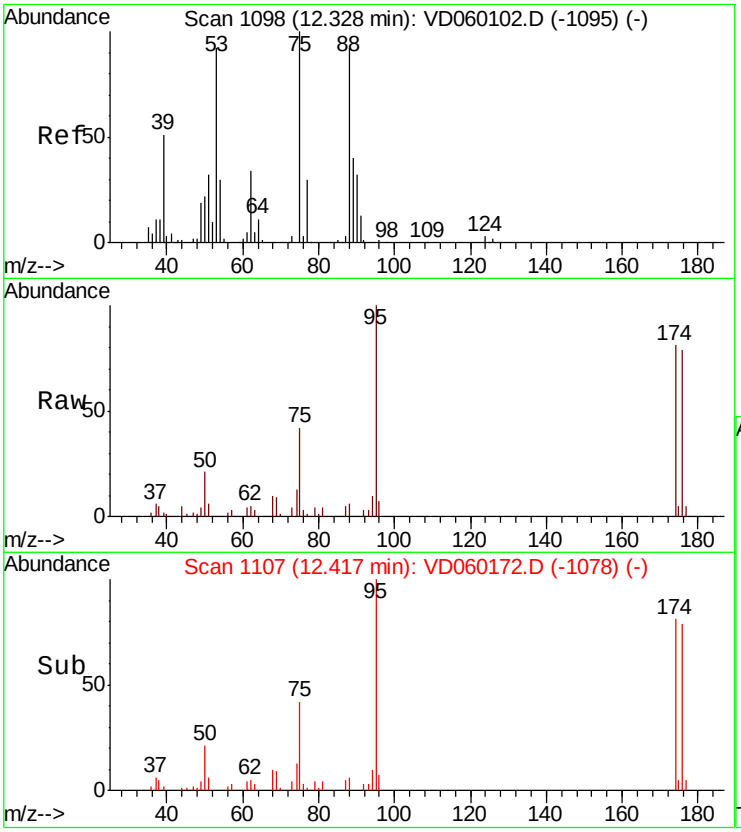




#76
1,2,3-Trichloropropane
Concen: 23.865 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.17 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion: 75 Resp: 19514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.8 | 16.3 | 48.9# |



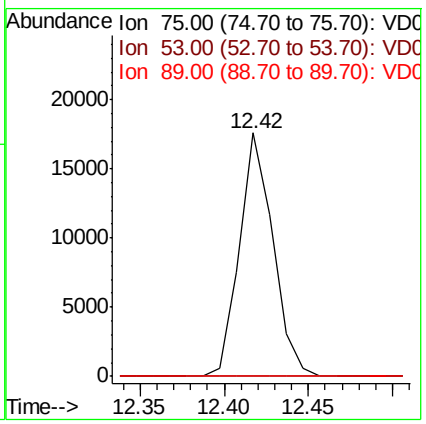


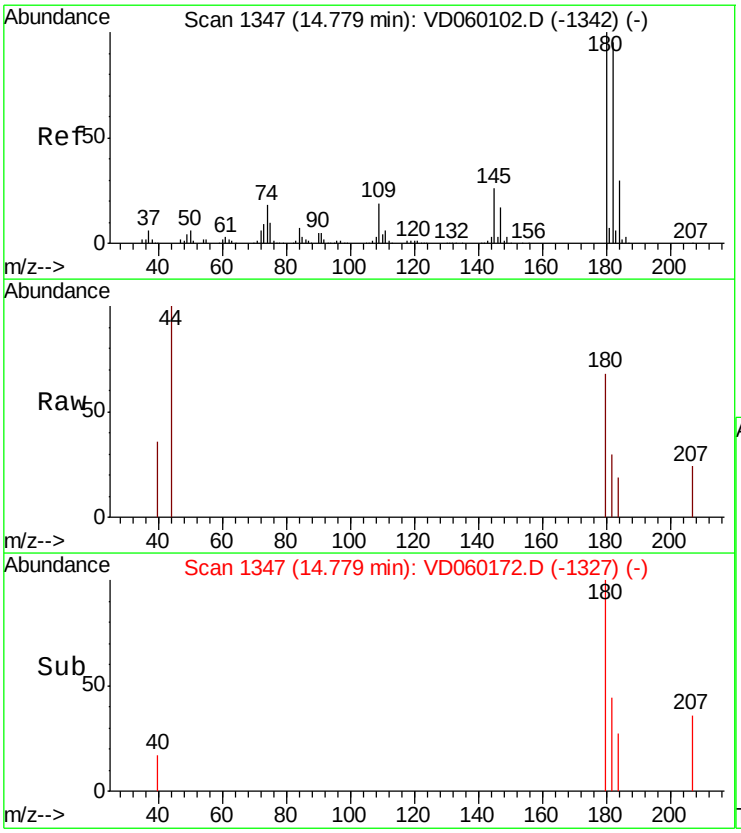

#81
trans-1,4-Dichloro-2-butene
Concen: 105.752 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.09 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion: 75 Resp: 24297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.0 | 109.6# |
| 89 | 0.0 | 32.0 | 48.0# |

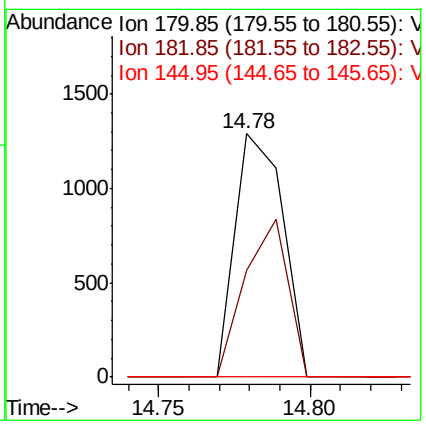


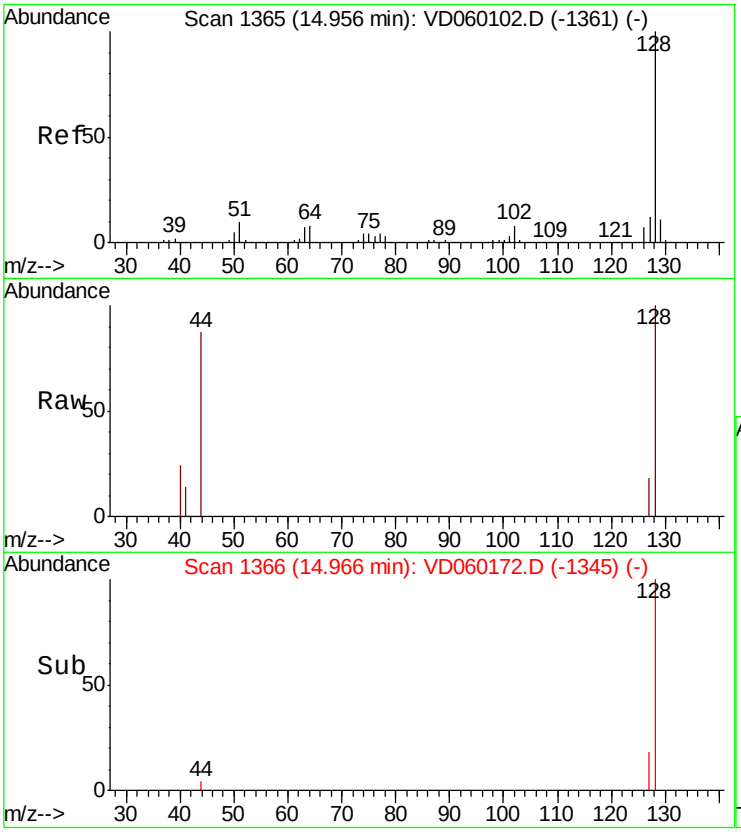




#93
1,2,4-Trichlorobenzene
Concen: 1.045 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

Tgt Ion:180 Resp: 1415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 43.9 | 47.3 | 141.8# |
| 145 | 0.0 | 13.0 | 38.9# |






#95
Naphthalene
Concen: 1.252 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060172.D
Acq: 10 Oct 2018 13:43

**Instrument :**
MSVOA_D
**ClientSampleId :**
POND-1RE

Tgt Ion:128 Resp: 2511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 17.9 | 9.9 | 14.9# |
| 129 | 0.0 | 8.8 | 13.2# |