Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040819\
Data File : VD061667.D
Acq On : 8 Apr 2019 23:14
Operator : VA/AP
Sample : K2245-10RE
Misc : 5.19g/5ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :**

Quant Time: Apr 09 01:24:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.06 | 168 | 387831 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 8.23 | 114 | 613949 | 50.00 | ug/l | 0.02 |
| 63) Chlorobenzene-d5 | 12.38 | 117 | 542061 | 50.00 | ug/l | 0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152 | 263335 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.47 | 65 | 168077 | 57.17 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 114.34% | | | |
| 35) Dibromofluoromethane | 6.94 | 113 | 249689 | 58.71 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 117.42% | | | |
| 50) Toluene-d8 | 10.42 | 98 | 486714 | 45.55 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 91.10% | | | |
| 62) 4-Bromofluorobenzene | 13.56 | 95 | 226675 | 64.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 128.04% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 2.88 | 74 | 1655 | 1.236 | ug/l | 80 |
| 11) Tert butyl alcohol | 3.99 | 59 | 5309 | 26.947 | ug/l # | 72 |
| 16) Acetone | 3.22 | 43 | 46210 | 52.584 | ug/l | 95 |
| 20) Methylene Chloride | 3.83 | 84 | 64930 | 13.021 | ug/l | 96 |
| 31) Cyclohexane | 7.05 | 56 | 5610 | 1.014 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.06 | 75 | 27614 | 5.139 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 7.06 | 117 | 37511 | 5.957 | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone | 10.42 | 43 | 1913 | 1.018 | ug/l # | 1 |
| 52) Toluene | 10.52 | 92 | 56039 | 6.923 | ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.87 | 63 | 1395 | 1.027 | ug/l # | 46 |
| 76) 1,2,3-Trichloropropane | 13.56 | 75 | 70465 | 19.668 | ug/l # | 46 |
| 81) trans-1,4-Dichloro-2-buten | 13.56 | 75 | 83553 | 76.853 | ug/l # | 20 |

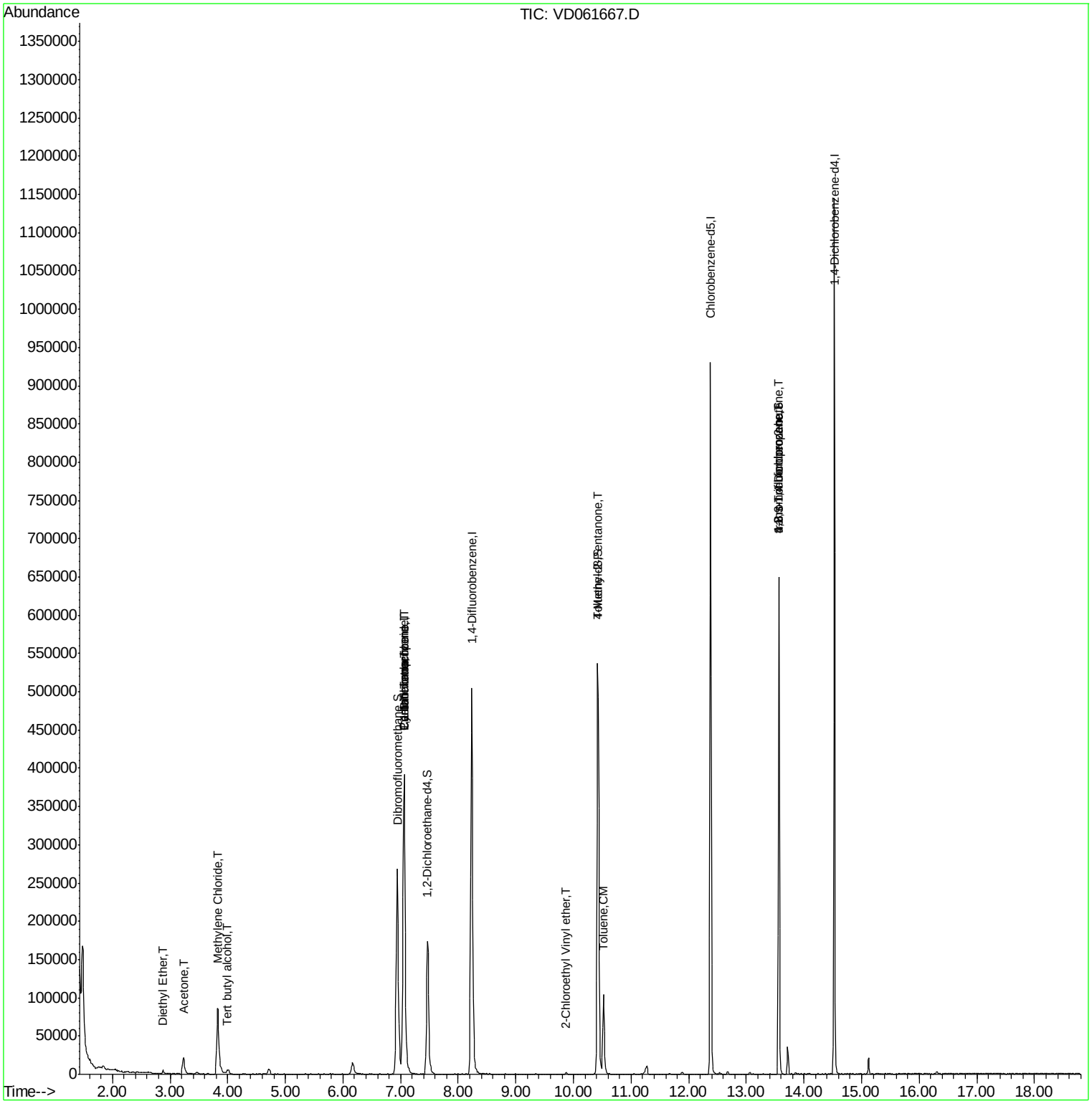
(#) = qualifier out of range (m) = manual integration (+) = signals summed

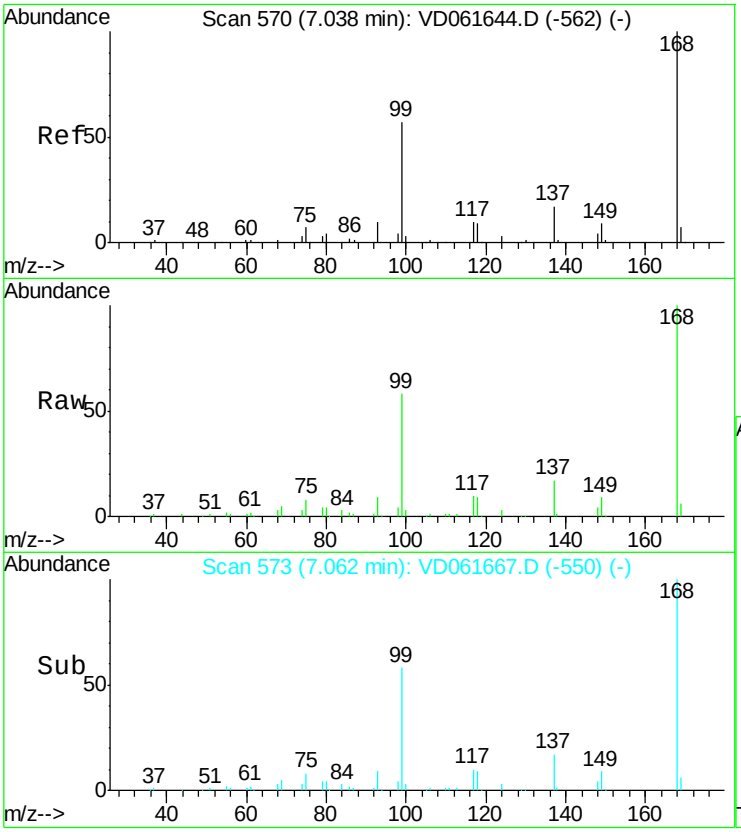
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
Data File : VD061667.D
Acq On : 8 Apr 2019 23:14
Operator : VA/AP
Sample : K2245-10RE
Misc : 5.19g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**

Quant Time: Apr 09 01:24:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration



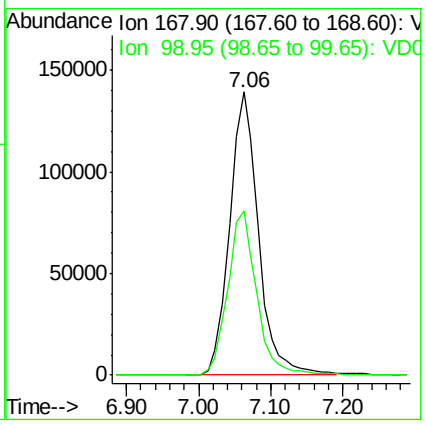


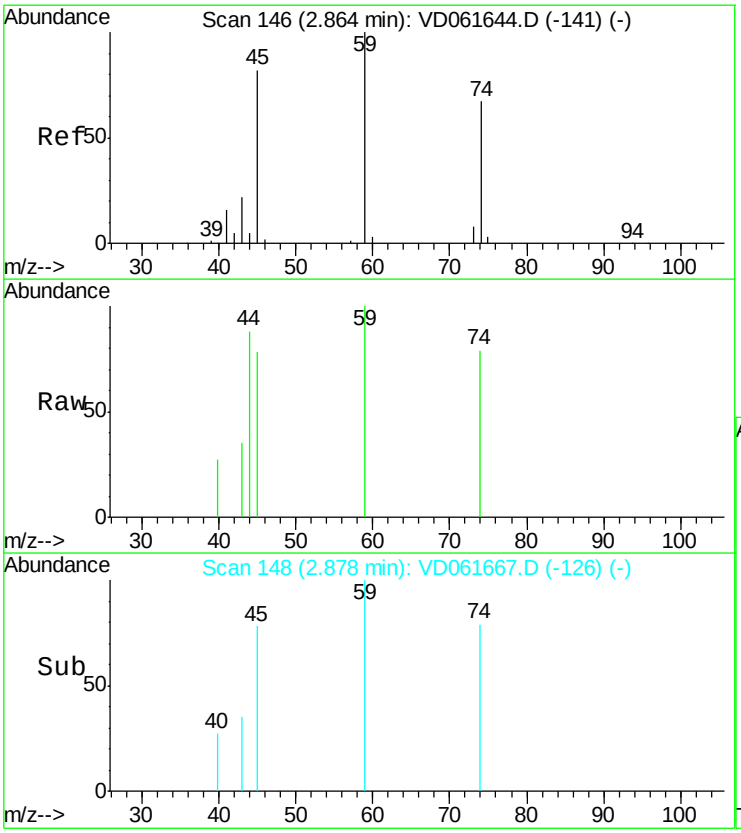

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.02 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:168 Resp: 387831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.0 | 46.8 | 70.2 |

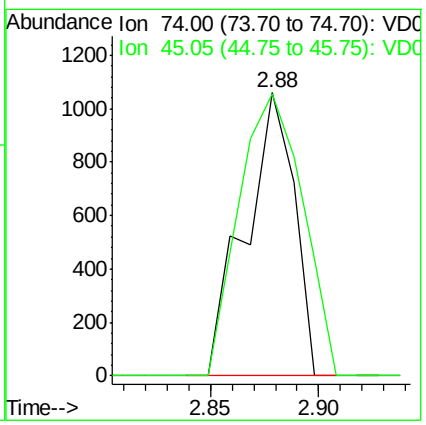


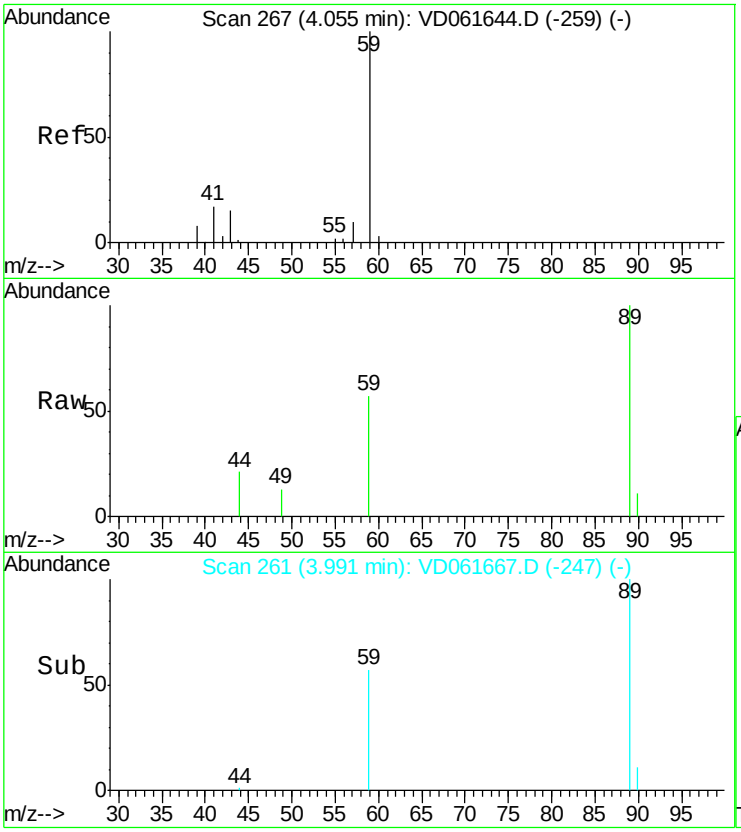




#8
Diethyl Ether
Concen: 1.236 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 74 Resp: 1655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.6 | 61.0 | 183.0 |



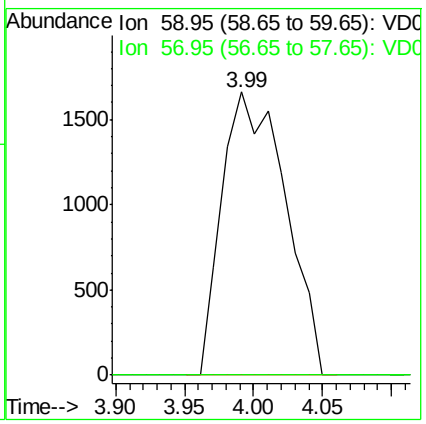


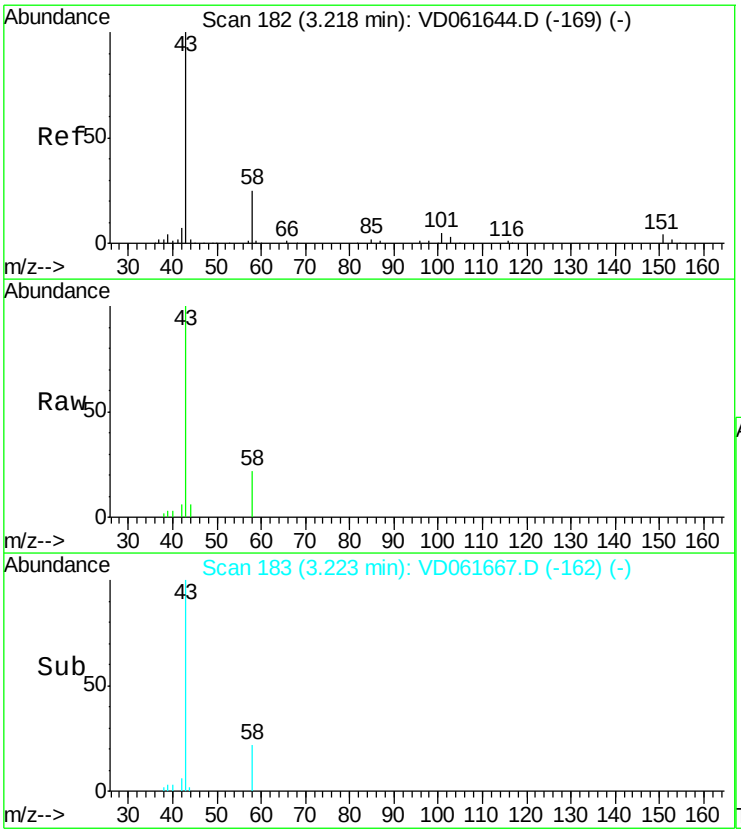

#11
Tert butyl alcohol
Concen: 26.947 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.06 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion: 59 Resp: 5309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.4 | 12.6# |

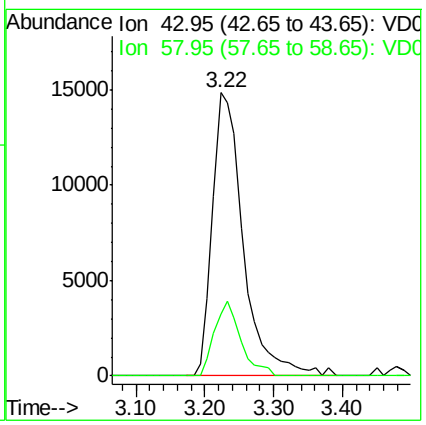


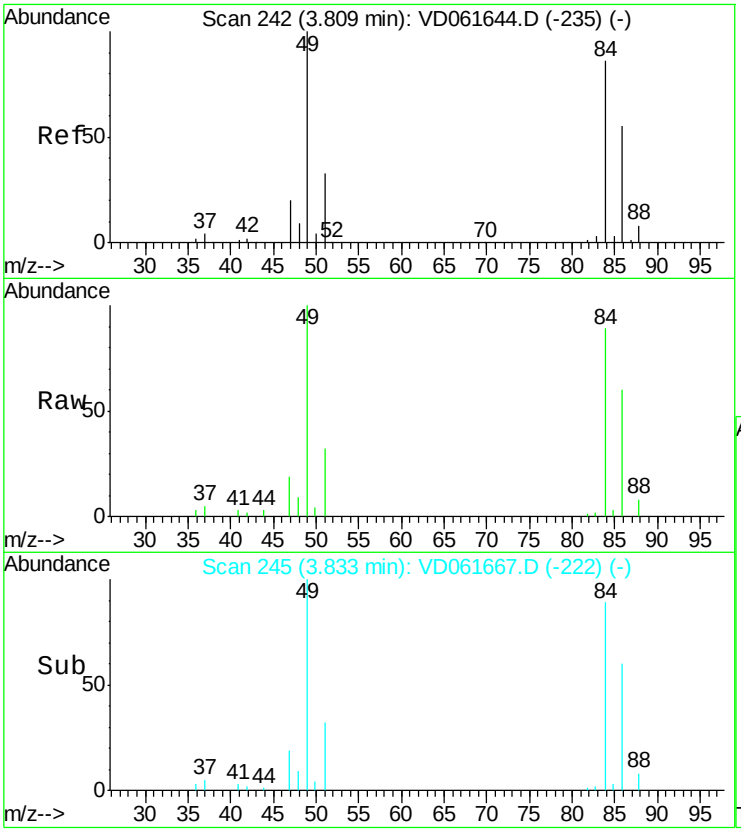




#16
Acetone
Concen: 52.584 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 43 Resp: 46210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.9 | 19.7 | 29.5 |



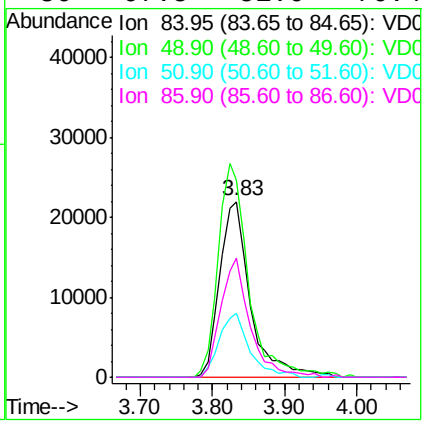


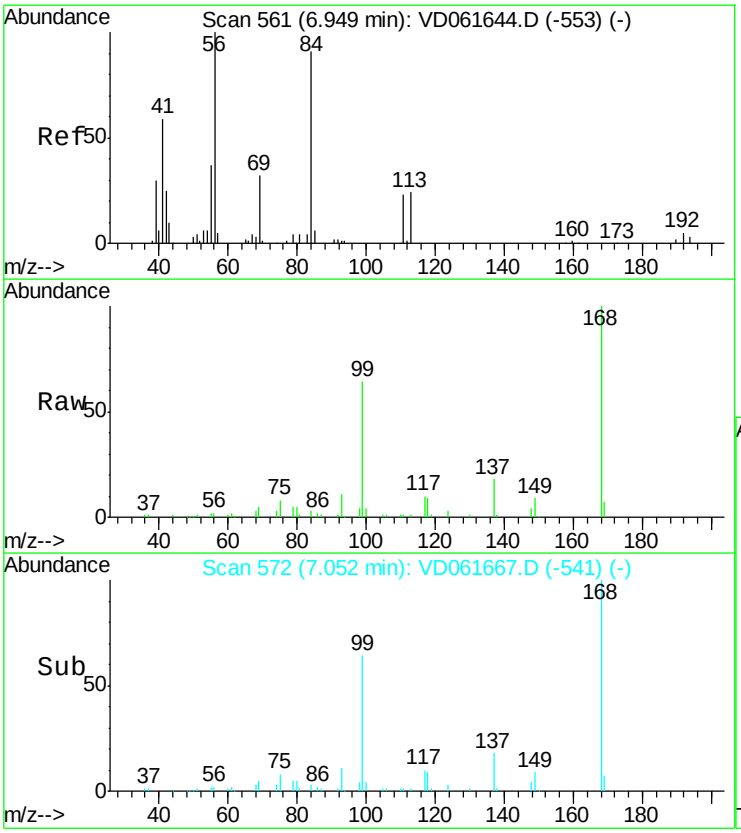

#20
Methylene Chloride
Concen: 13.021 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 84 Resp: 64930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 112.6 | 93.0 | 139.4 |
| 51 | 36.5 | 30.4 | 45.6 |
| 86 | 67.5 | 51.0 | 76.4 |

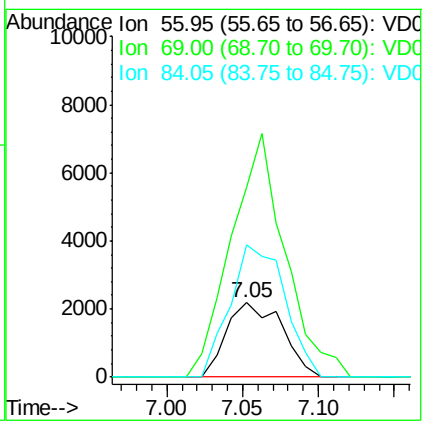


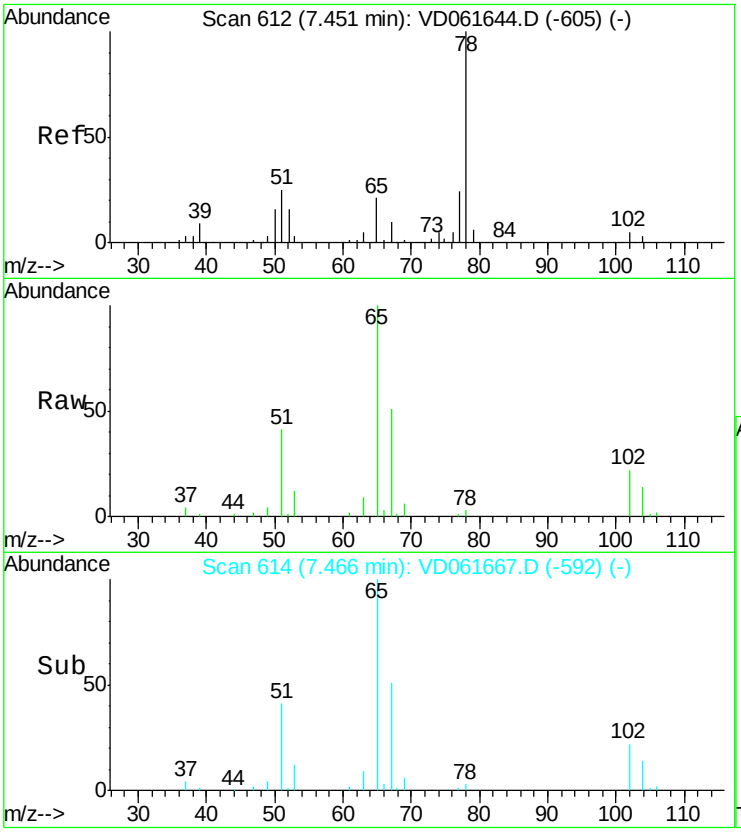




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 56 Resp: 5610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 255.5 | 25.8 | 38.6# |
| 84 | 177.2 | 74.2 | 111.2# |



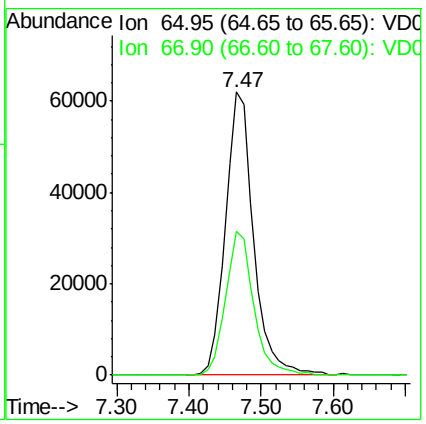


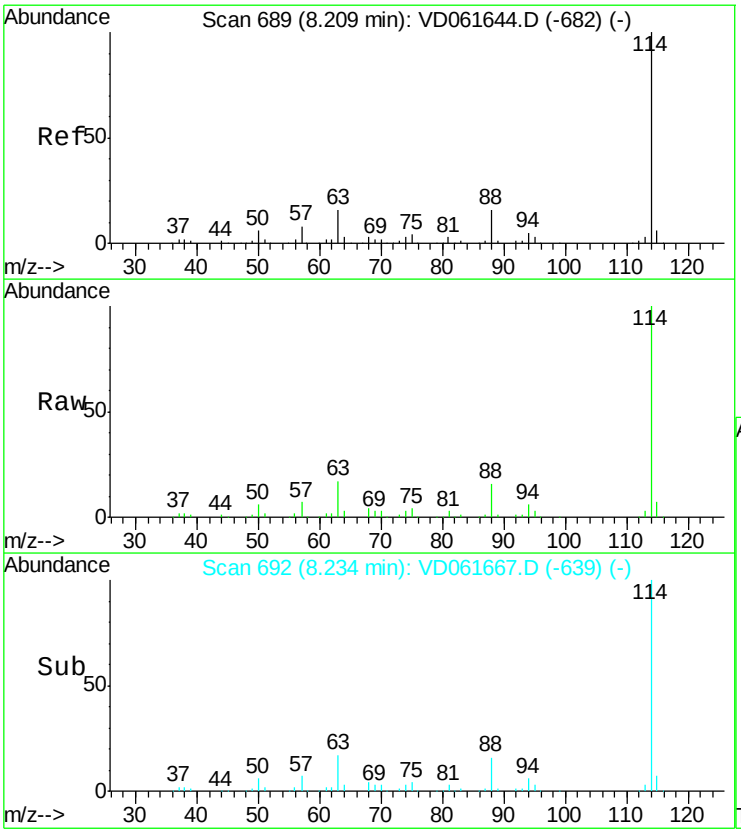

#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 65 Resp: 168077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 99.4 |

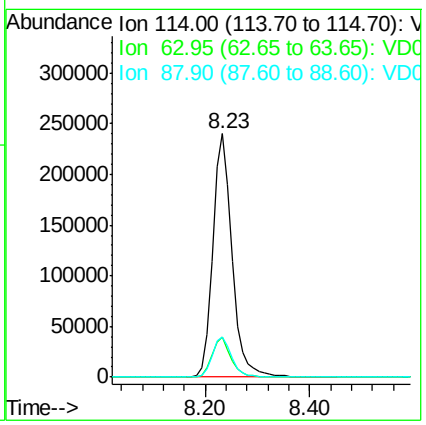


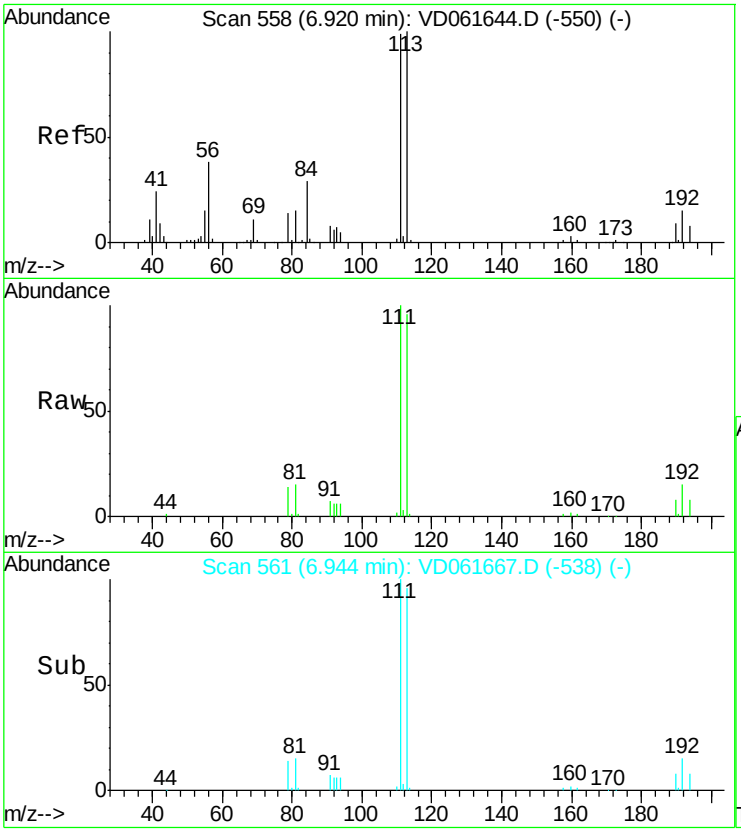




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 692
Delta R.T. 0.02 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion:114 Resp: 613949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 16.7 | 0.0 | 31.2 |
| 88 | 16.3 | 0.0 | 31.8 |



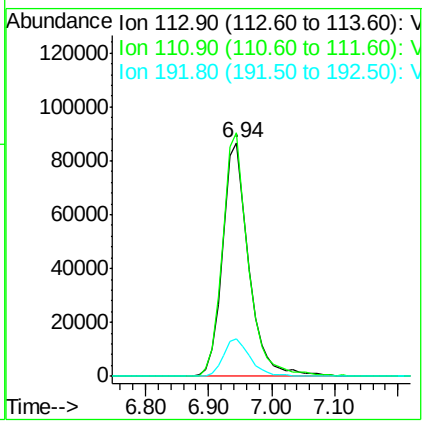


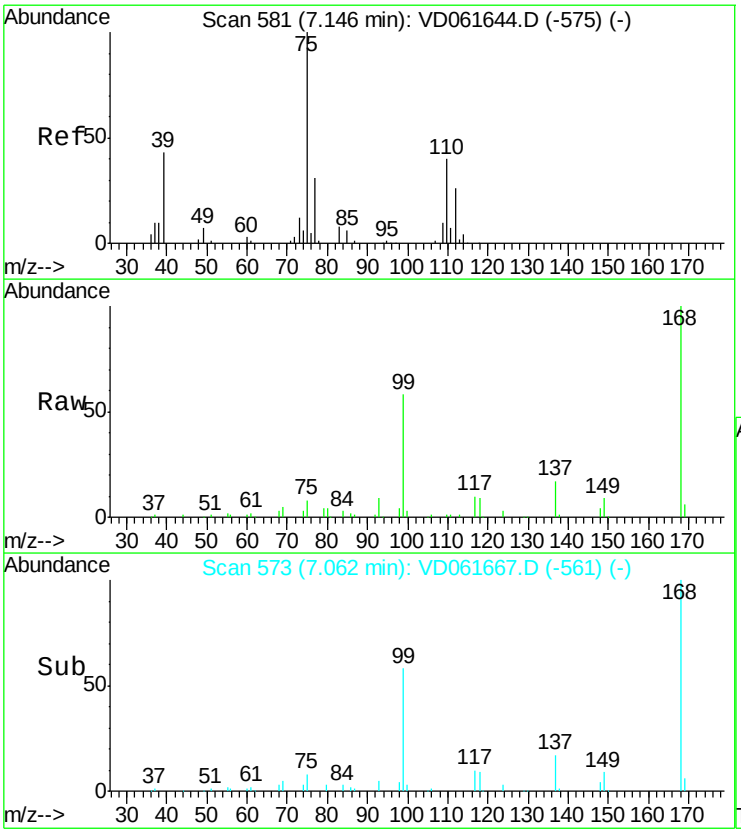

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:113 Resp: 249689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 79.3 | 118.9 |
| 192 | 16.0 | 12.3 | 18.5 |

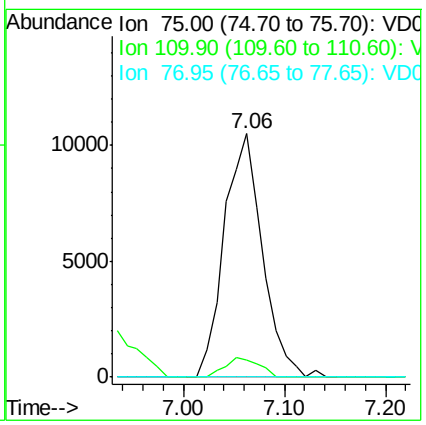


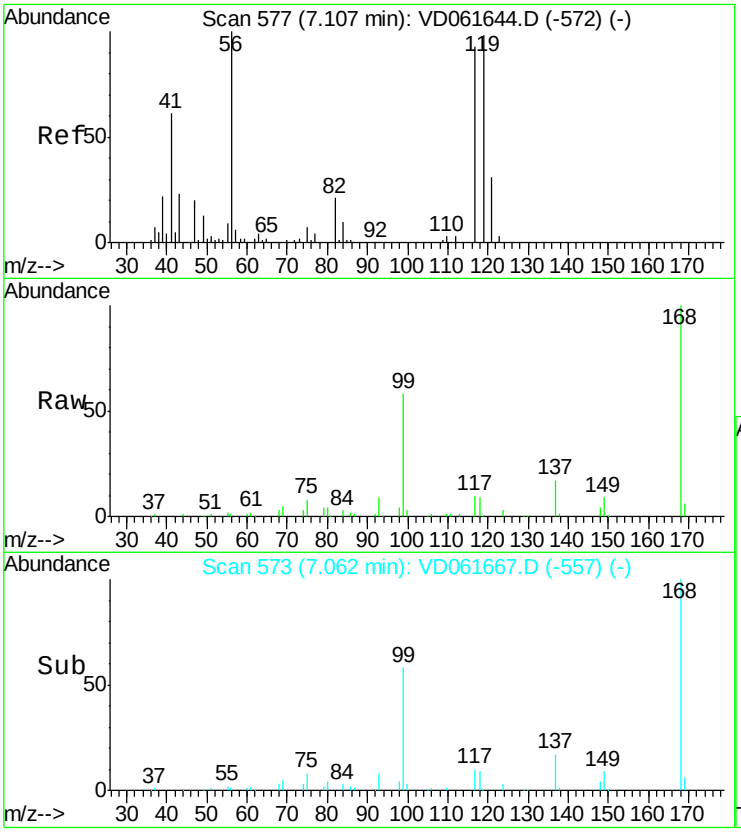




#36
1,1-Dichloropropene
Concen: 5.139 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.08 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 75 Resp: 27614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.3 | 19.7 | 59.0# |
| 77 | 0.0 | 24.8 | 37.2# |



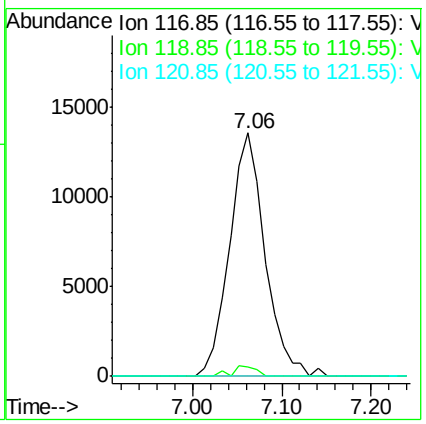


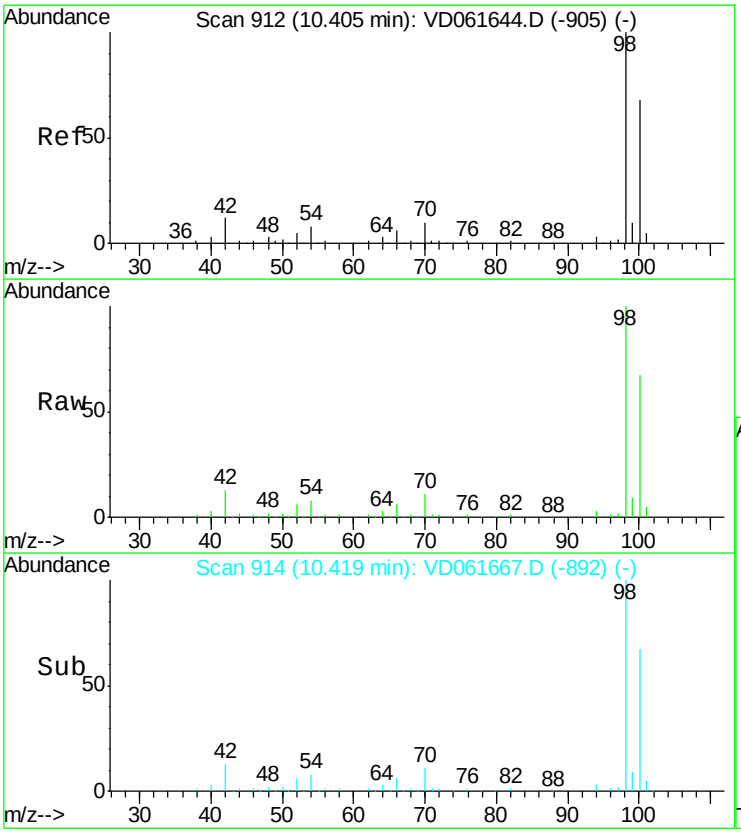

#38
Carbon Tetrachloride
Concen: 5.957 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :** MSVOA_D
**ClientSampleId :**

Tgt Ion:117 Resp: 37511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.8 | 77.9 | 116.9# |
| 121 | 0.0 | 24.7 | 37.1# |

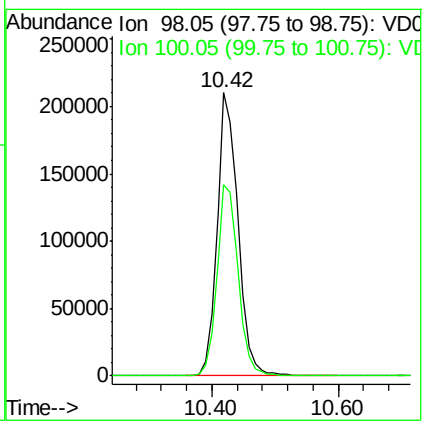


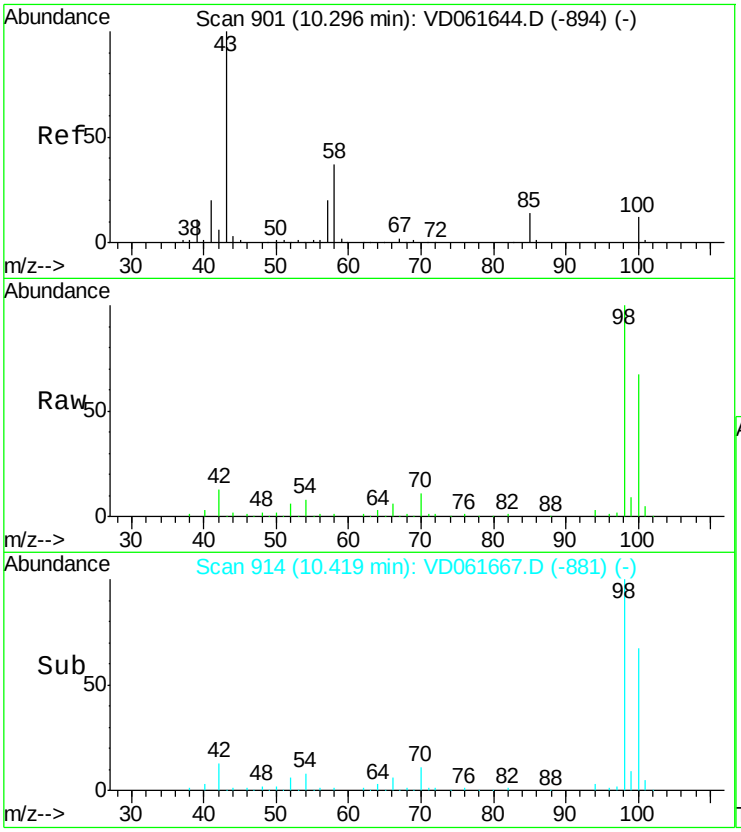




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 98 Resp: 486714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 55.4 | 83.0 |



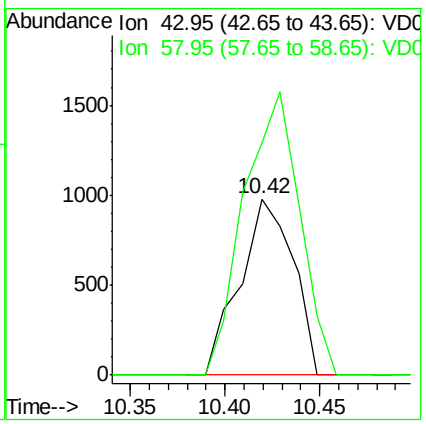


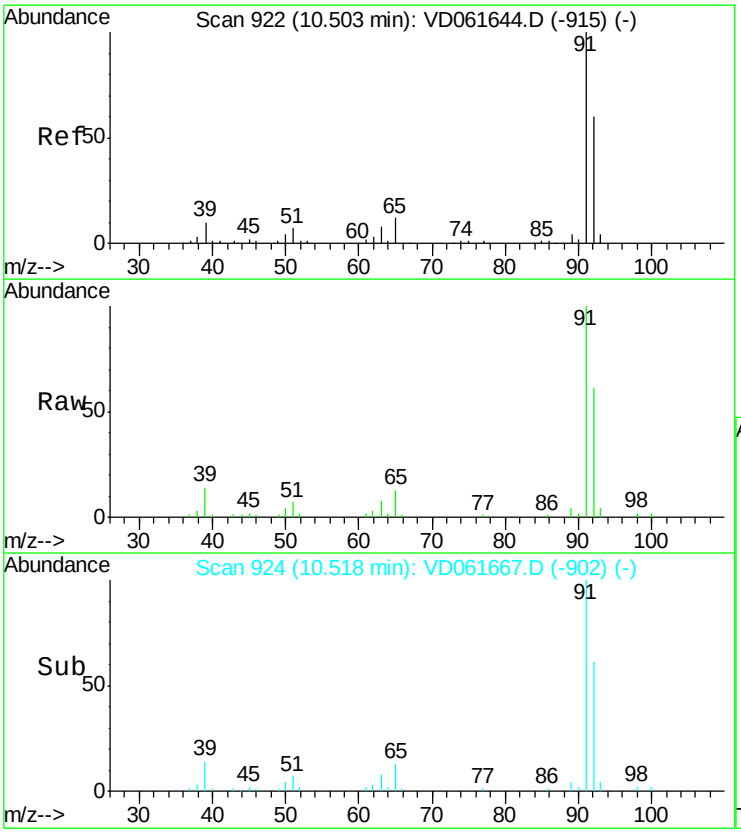

#51
4-Methyl-2-Pentanone
Concen: 1.018 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 43 Resp: 1913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 131.9 | 29.8 | 44.8# |

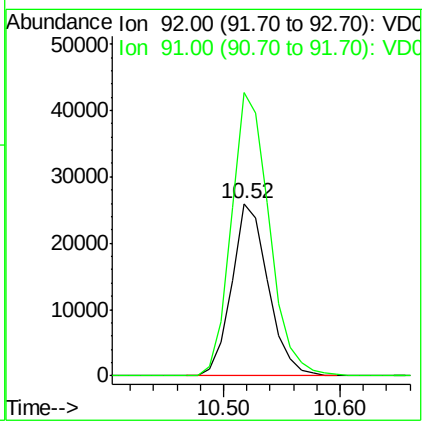


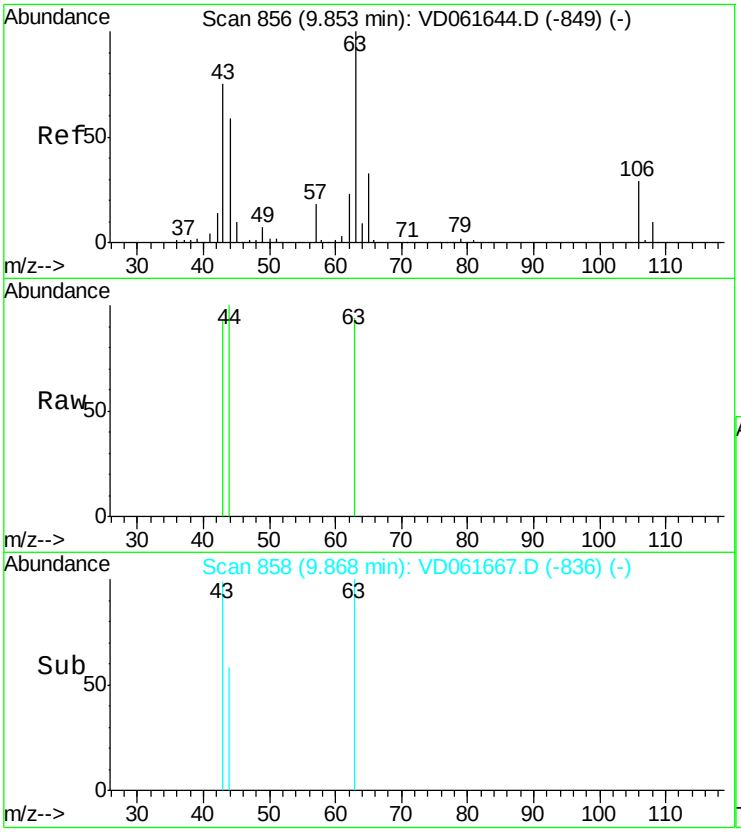




#52
Toluene
Concen: 6.923 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 92 Resp: 56039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 164.4 | 133.0 | 199.4 |



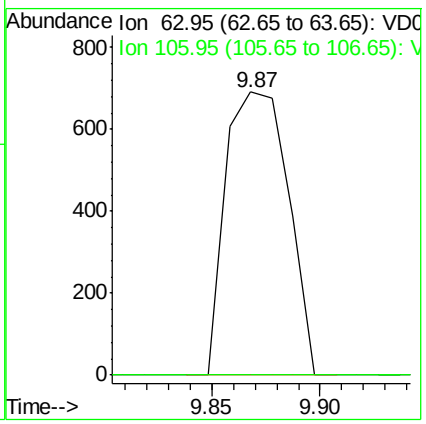


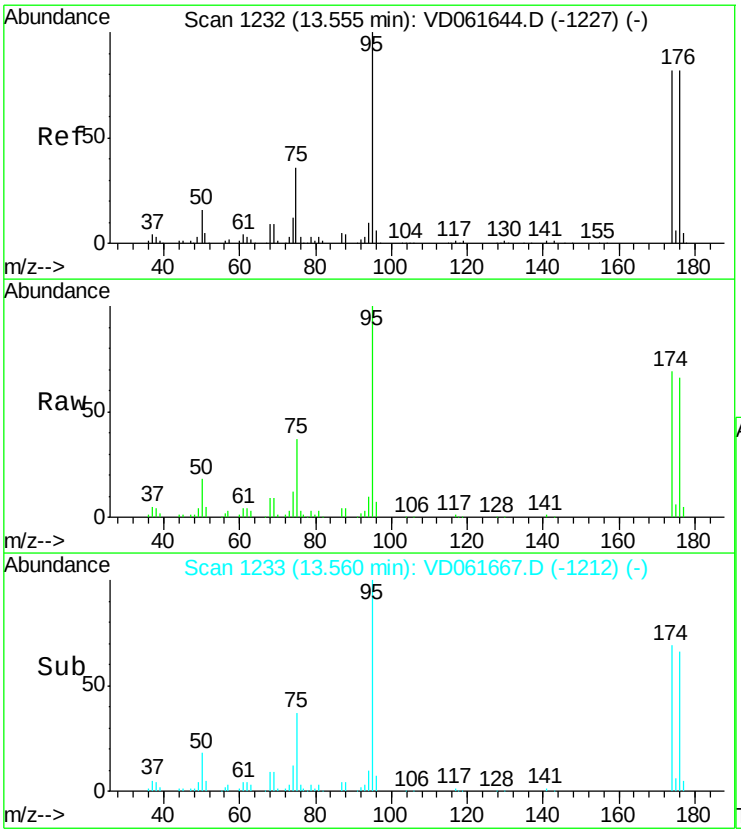

#58
2-Chloroethyl Vinyl ether
Concen: 1.027 ug/l
RT: 9.87 min Scan# 858
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 63 Resp: 1395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 23.0 | 34.6# |

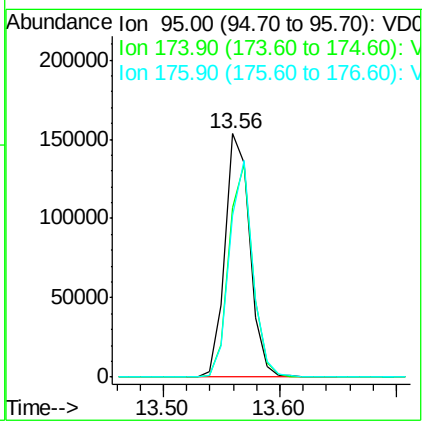


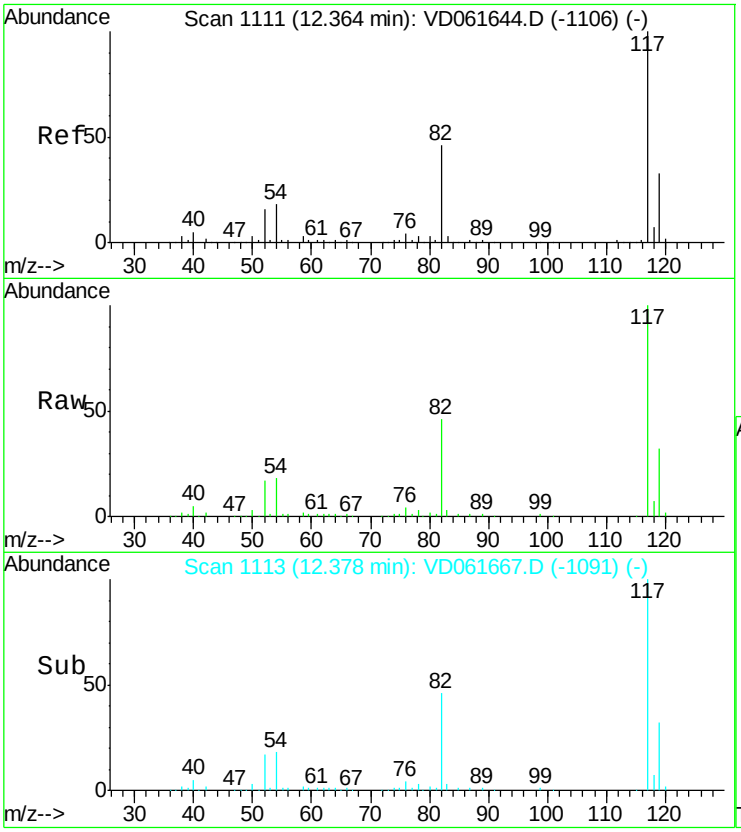




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 95 Resp: 226675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 69.5 | 0.0 | 164.6 |
| 176 | 66.4 | 0.0 | 165.0 |



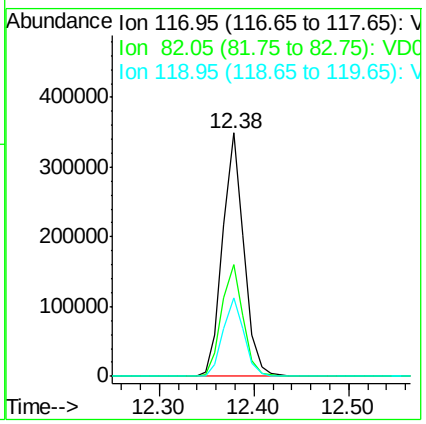


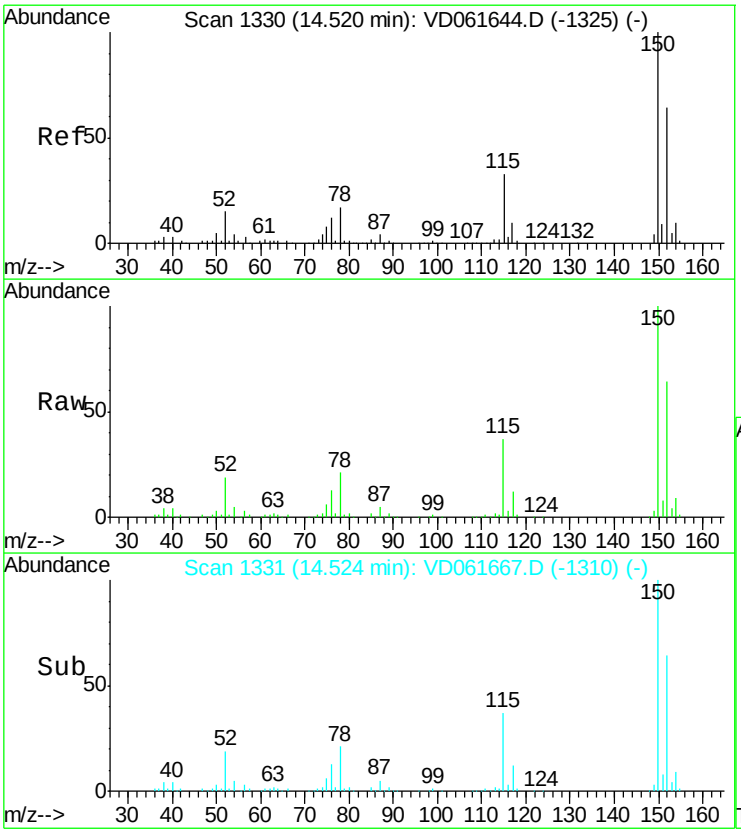

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:117 Resp: 542061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 45.7 | 36.8 | 55.2 |
| 119 | 32.1 | 26.1 | 39.1 |

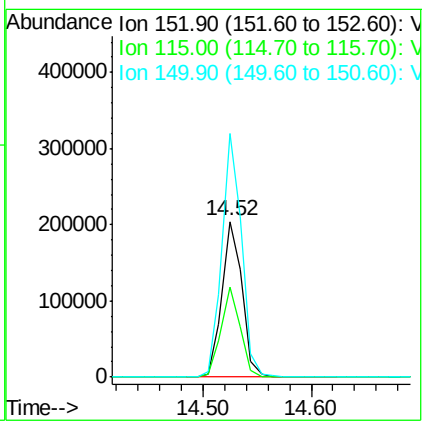


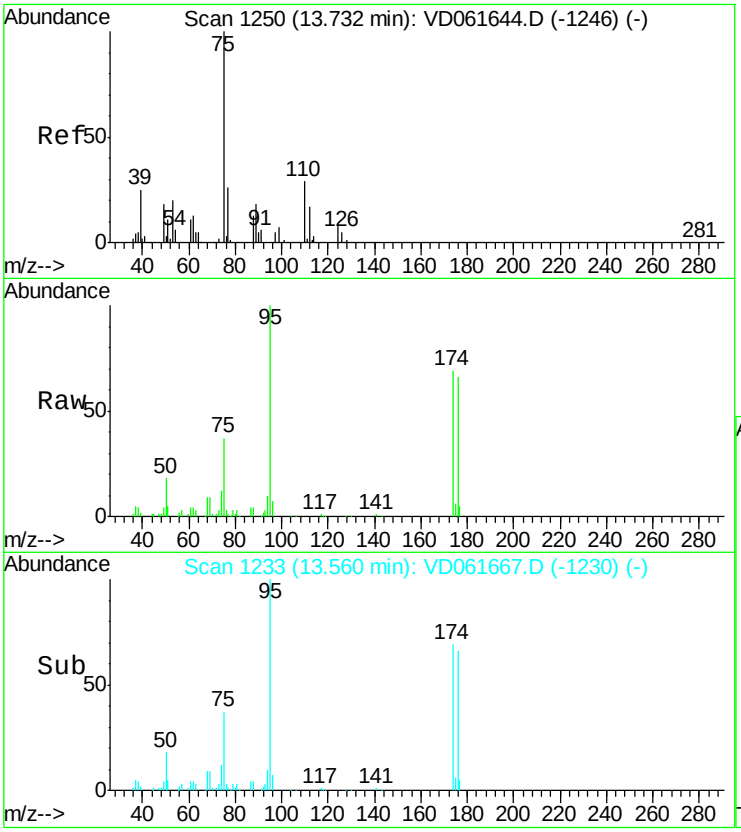




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion:152 Resp: 263335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.3 | 26.4 | 79.2 |
| 150 | 156.8 | 0.0 | 320.6 |



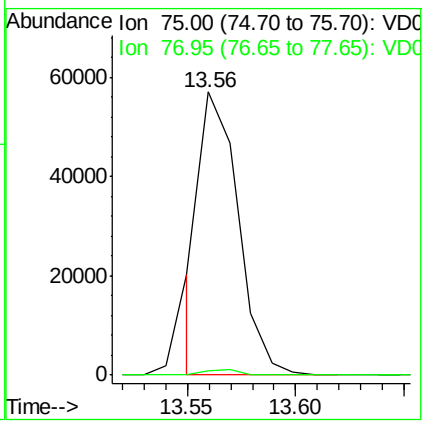


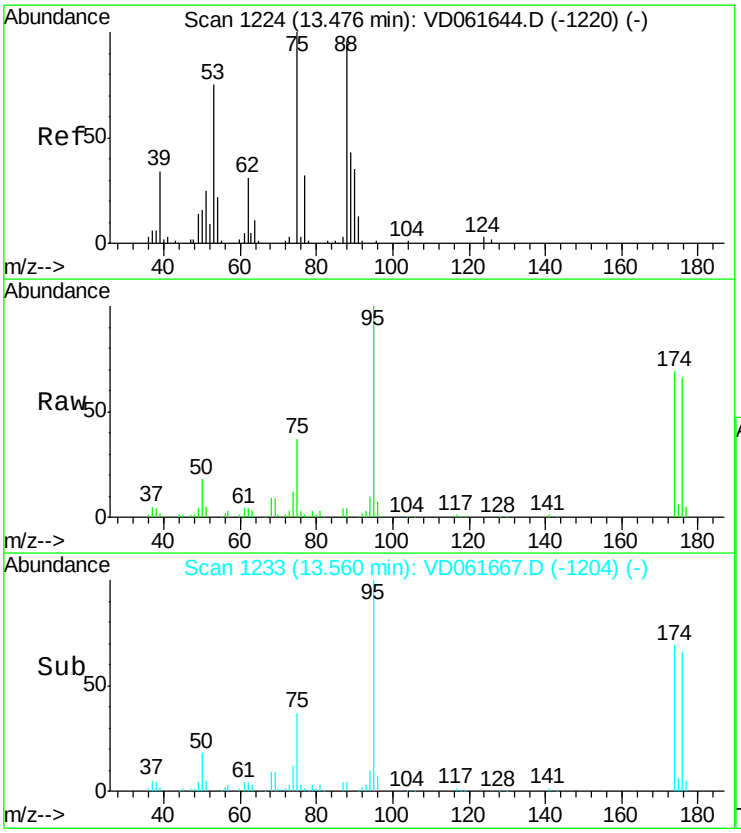

#76
1,2,3-Trichloropropane
Concen: 19.668 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 75 Resp: 70465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.6 | 15.7 | 47.1# |




#81
trans-1,4-Dichloro-2-butene
Concen: 76.853 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD061667.D
Acq: 8 Apr 2019 23:14

Tgt Ion: 75 Resp: 83553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 60.2 | 90.2# |
| 89 | 0.0 | 34.2 | 51.2# |