Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040119\
Data File : VD061507.D
Acq On : 2 Apr 2019 11:20
Operator : VA/AP
Sample : K2179-17
Misc : 5.91g/5ml/MSVOA_D/SOIL
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Apr 03 00:45:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.04 | 168 | 624508 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 8.20 | 114 | 1034320 | 50.00 | ug/l | 0.01 |
| 63) Chlorobenzene-d5 | 12.36 | 117 | 784234 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152 | 256786 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.45 | 65 | 249543 | 46.78 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 93.56% | | | |
| 35) Dibromofluoromethane | 6.91 | 113 | 398760 | 50.45 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 100.90% | | | |
| 50) Toluene-d8 | 10.40 | 98 | 853334 | 45.01 | ug/l | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 90.02% | | | |
| 62) 4-Bromofluorobenzene | 13.55 | 95 | 276663 | 38.06 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) Methyl Iodide | 3.32 | 142 | 1478 | 3.582 | ug/l # | 38 |
| 16) Acetone | 3.22 | 43 | 2042 | 1.489 | ug/l # | 48 |
| 20) Methylene Chloride | 3.82 | 84 | 55952 | 5.577 | ug/l | 93 |
| 30) Chloroform | 6.66 | 83 | 26462 | 2.203 | ug/l | 90 |
| 31) Cyclohexane | 7.04 | 56 | 10486 | 1.141 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.04 | 75 | 45296 | 5.018 | ug/l # | 45 |
| 38) Carbon Tetrachloride | 7.04 | 117 | 58744 | 5.663 | ug/l # | 14 |
| 51) 4-Methyl-2-Pentanone | 10.40 | 43 | 3475 | 1.017 | ug/l # | 1 |
| 52) Toluene | 10.50 | 92 | 14846 | 1.074 | ug/l | 97 |
| 64) Tetrachloroethene | 11.25 | 164 | 35322 | 5.739 | ug/l | 96 |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75 | 100823 | 89.147 | ug/l # | 18 |

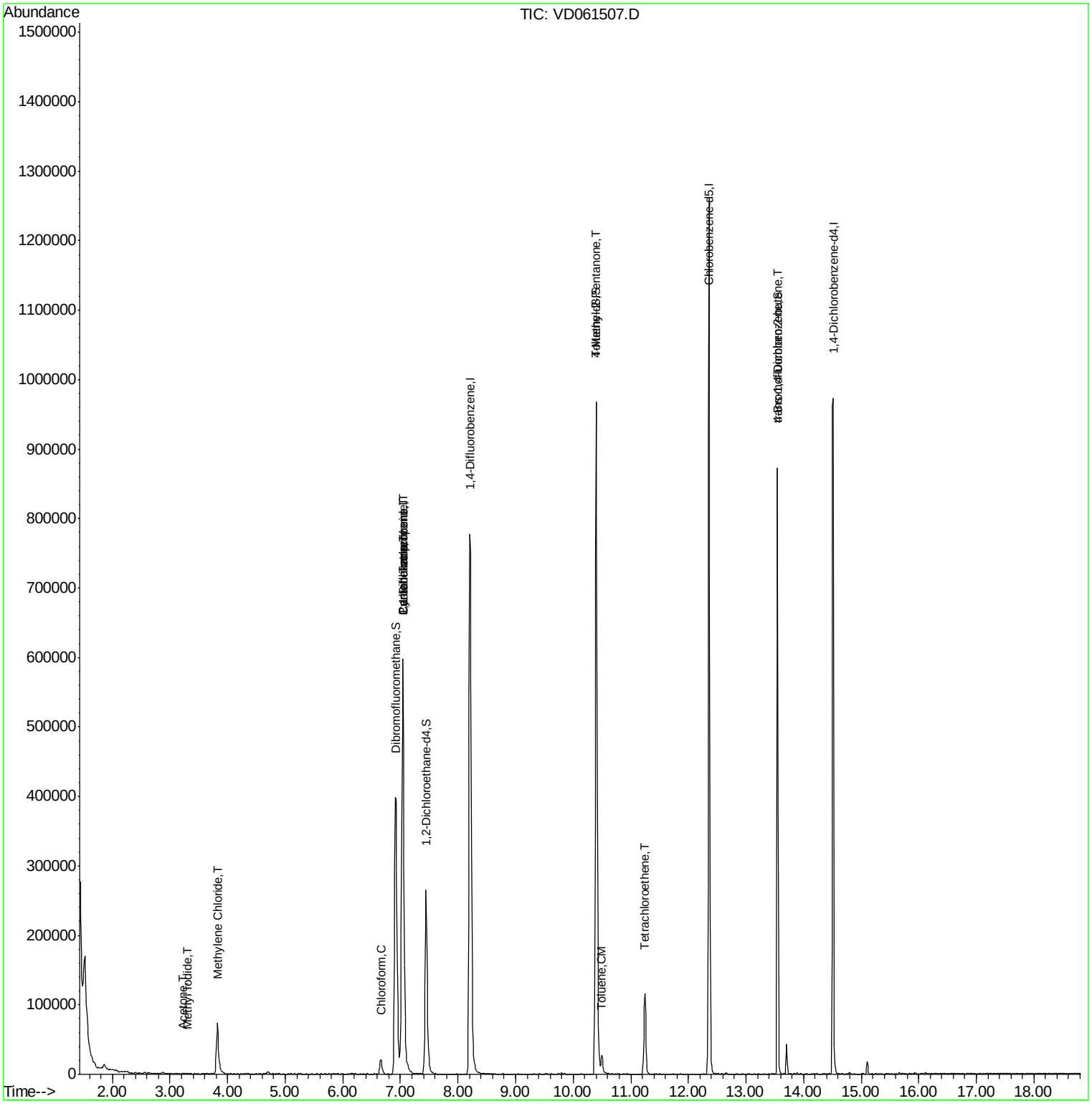
(#) = qualifier out of range (m) = manual integration (+) = signals summed

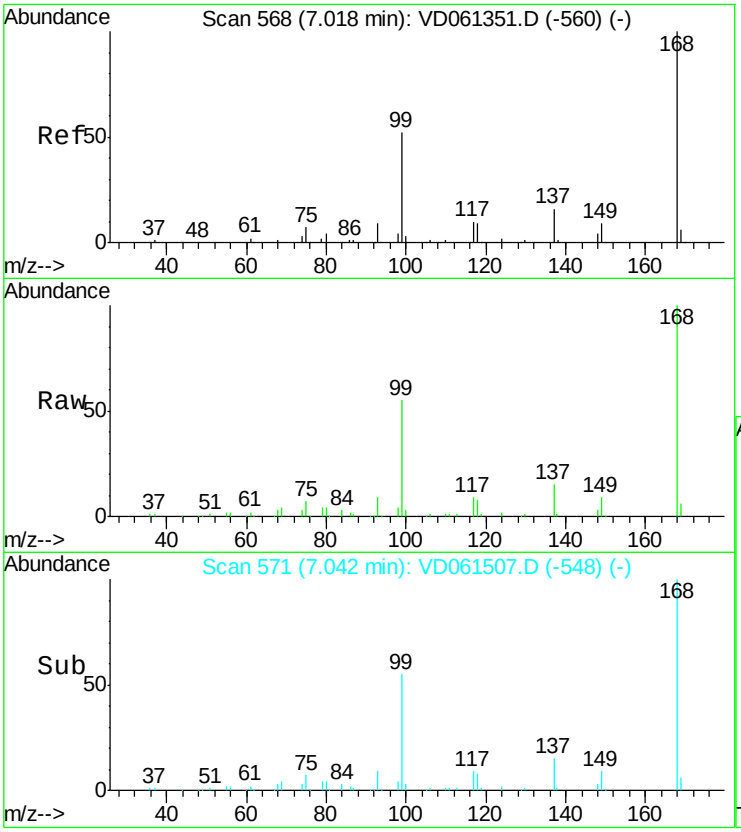
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
Data File : VD061507.D
Acq On : 2 Apr 2019 11:20
Operator : VA/AP
Sample : K2179-17
Misc : 5.91g/5ml/MSVOA D/SOIL
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Apr 03 00:45:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration



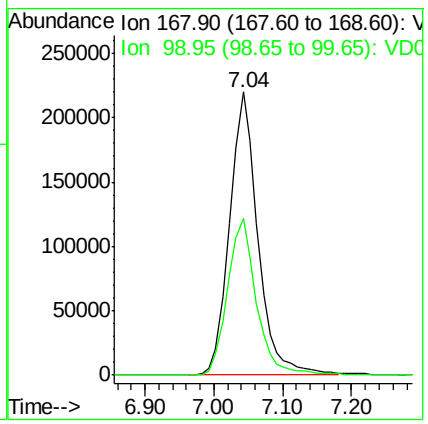


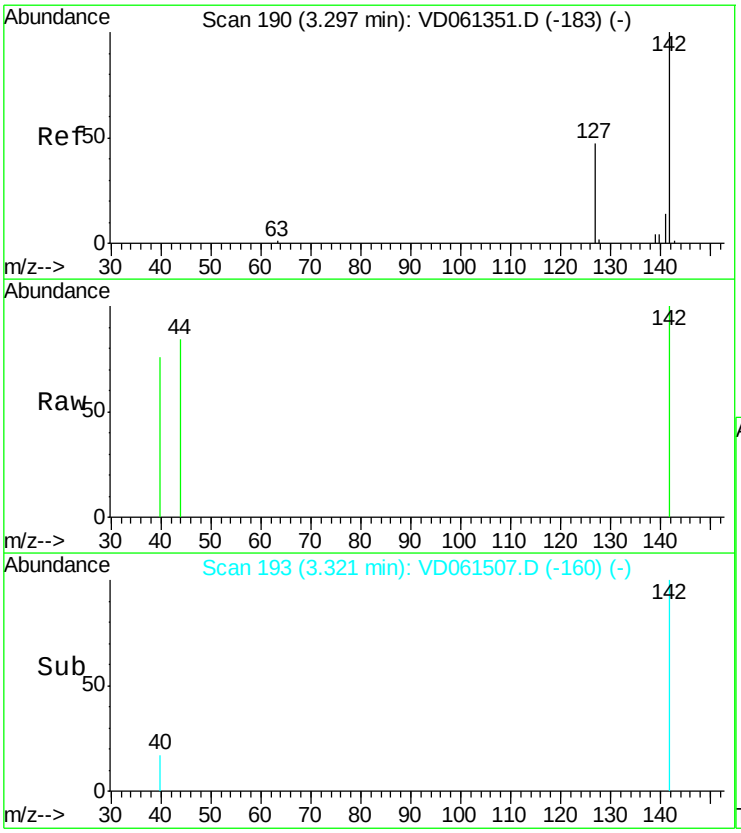

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion:168 Resp: 624508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.3 | 43.1 | 64.7 |

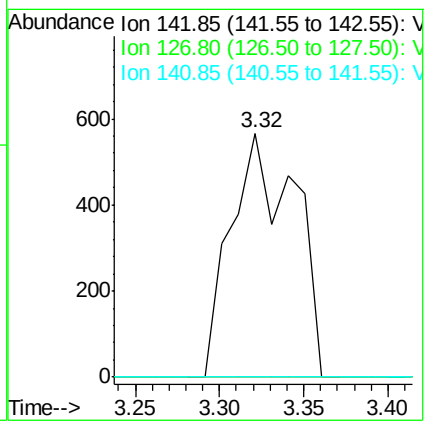


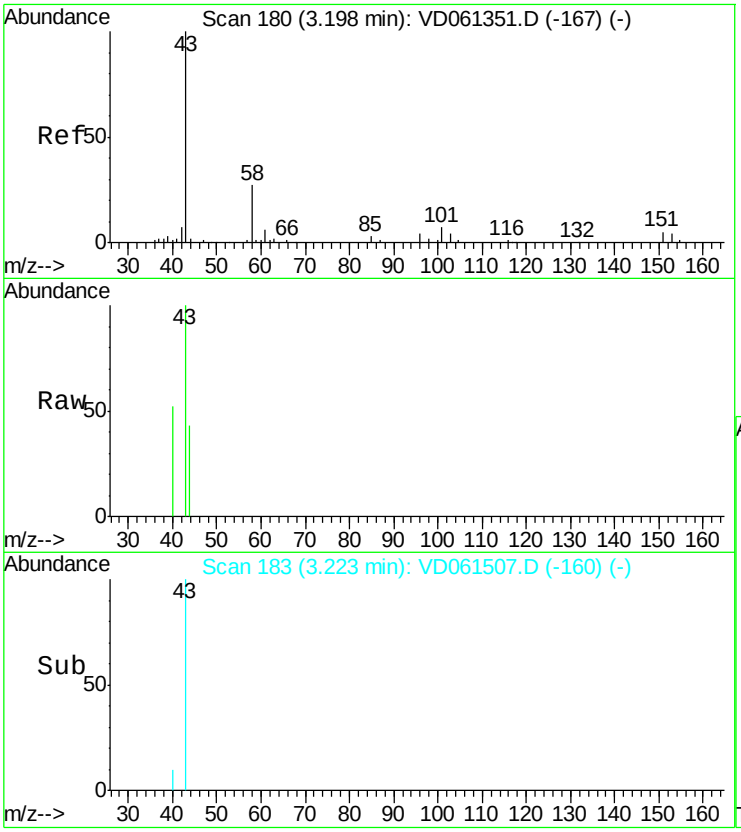




#10
Methyl Iodide
Concen: 3.582 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion:142 Resp: 1478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 37.7 | 56.5# |
| 141 | 0.0 | 11.5 | 17.3# |



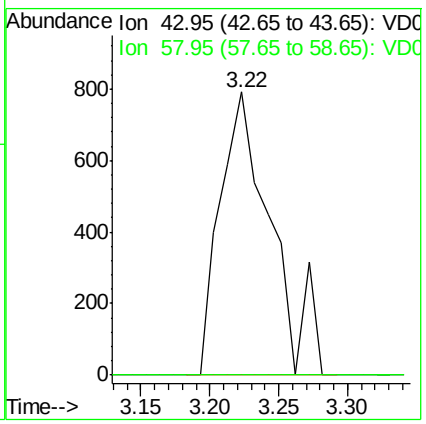


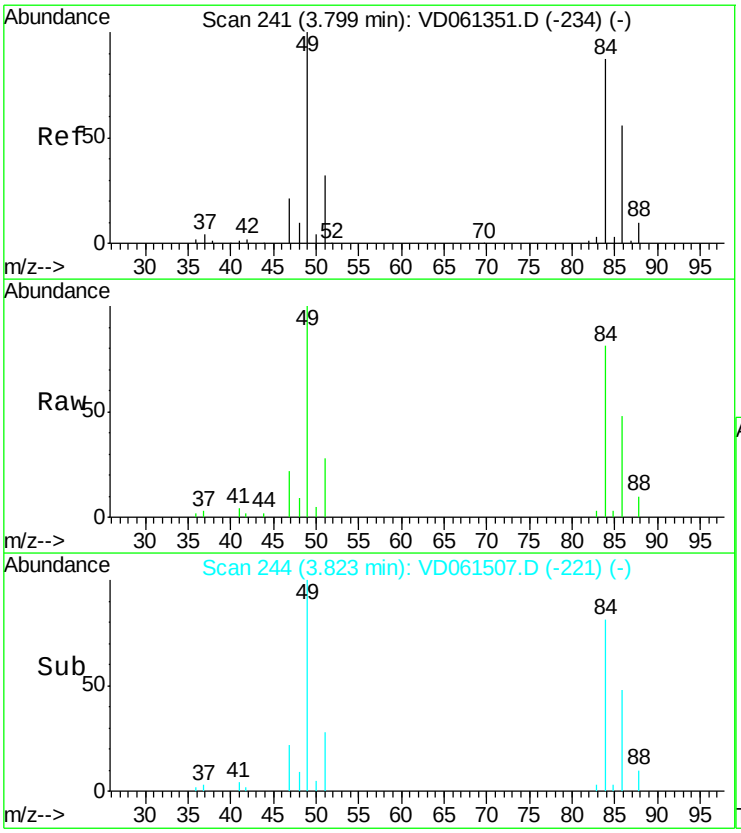

#16
Acetone
Concen: 1.489 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 43 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 21.5 | 32.3# |

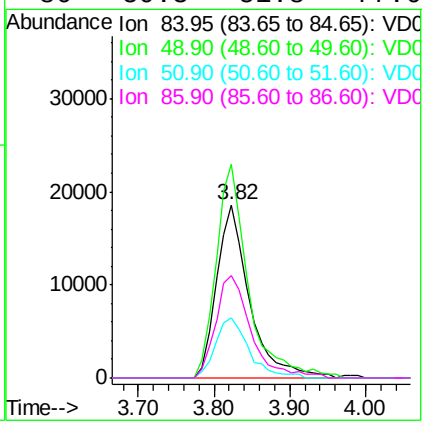


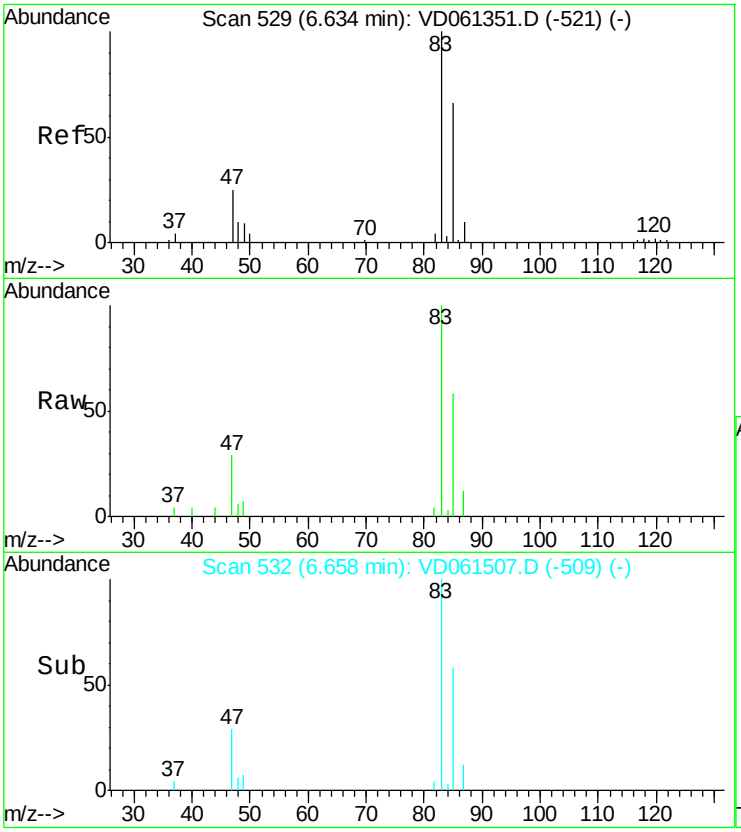




#20
Methylene Chloride
Concen: 5.577 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 84 Resp: 55952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.4 | 91.8 | 137.8 |
| 51 | 35.0 | 29.8 | 44.8 |
| 86 | 59.3 | 51.8 | 77.6 |



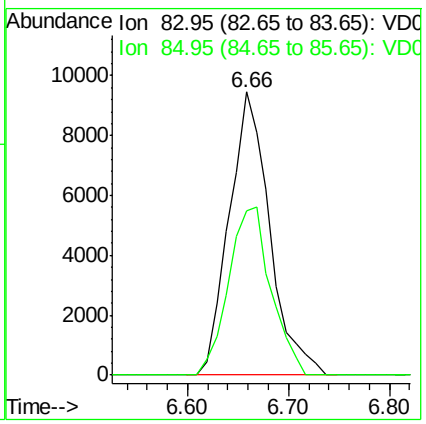


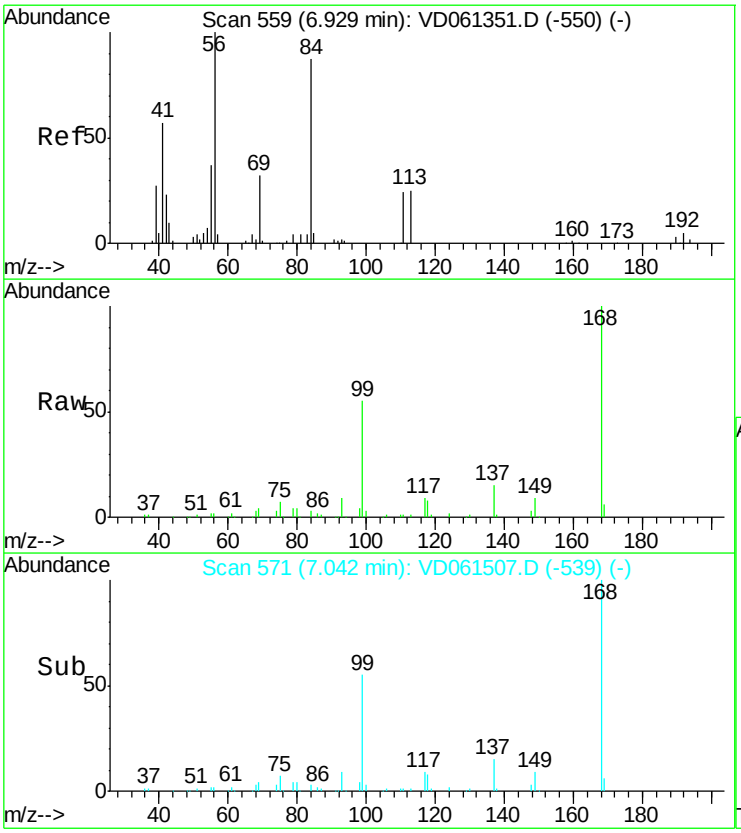

#30
Chloroform
Concen: 2.203 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 83 Resp: 26462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.0 | 53.0 | 79.4 |

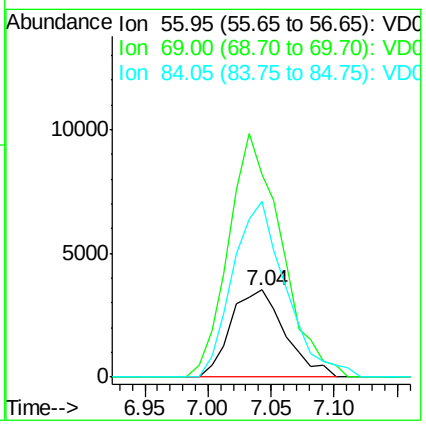


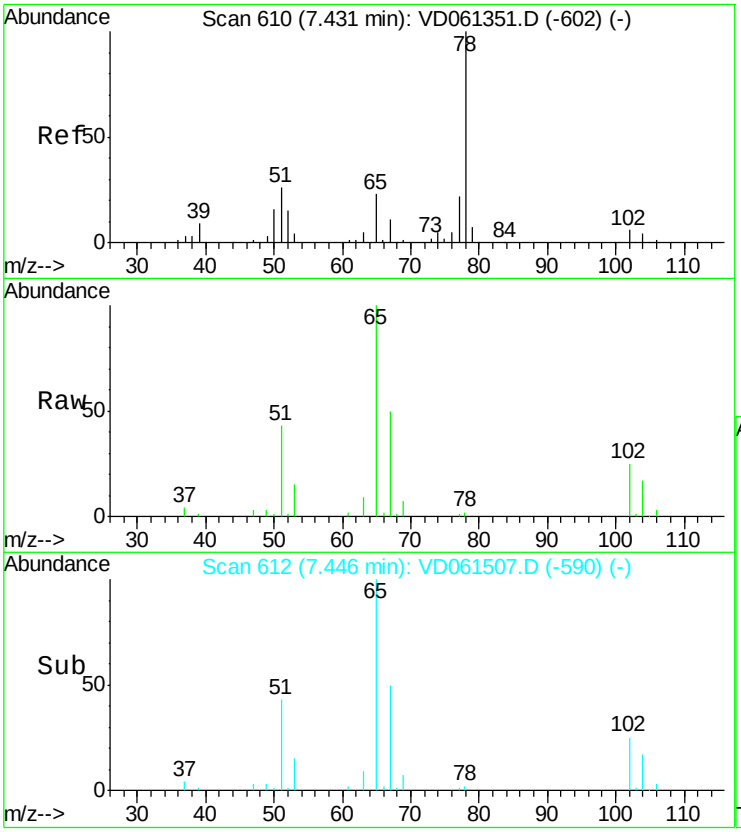




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 56 Resp: 10486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 233.0 | 25.7 | 38.5# |
| 84 | 201.5 | 70.6 | 105.8# |



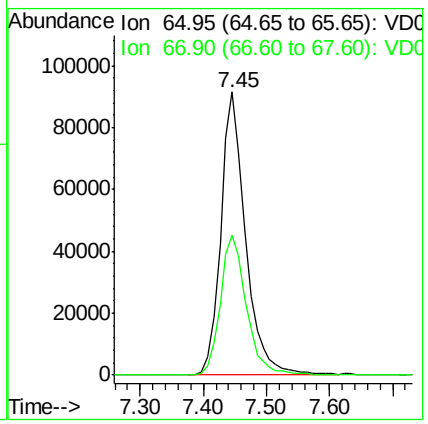


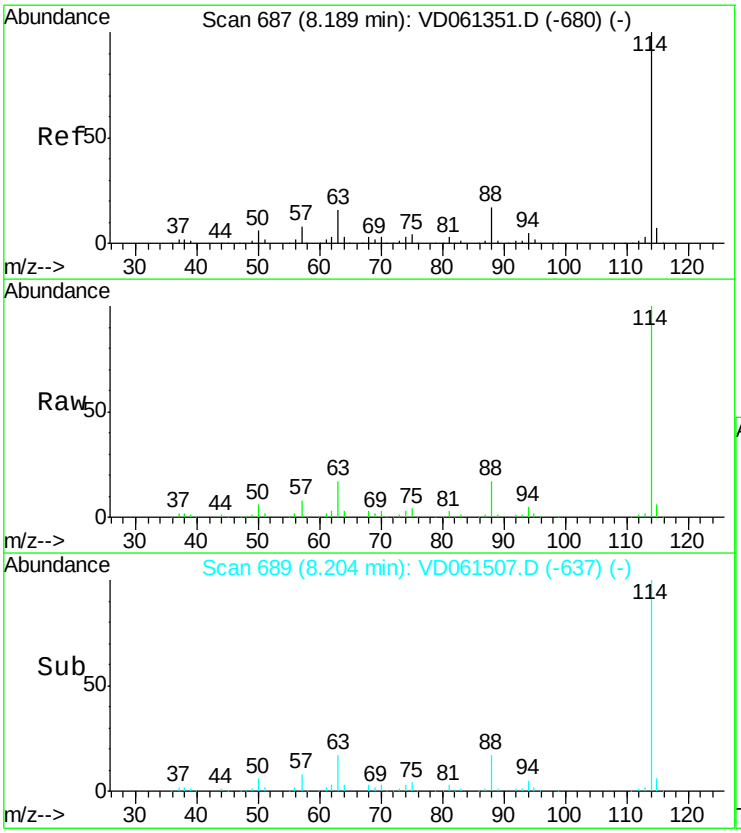

#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 65 Resp: 249543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.6 | 0.0 | 99.8 |

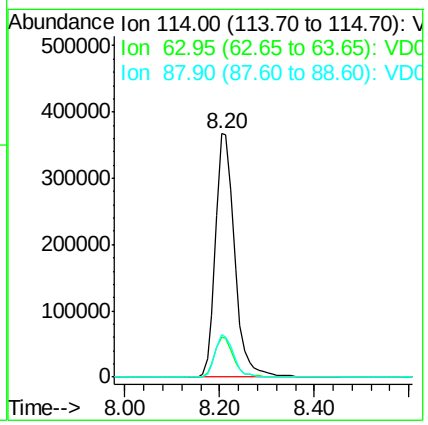


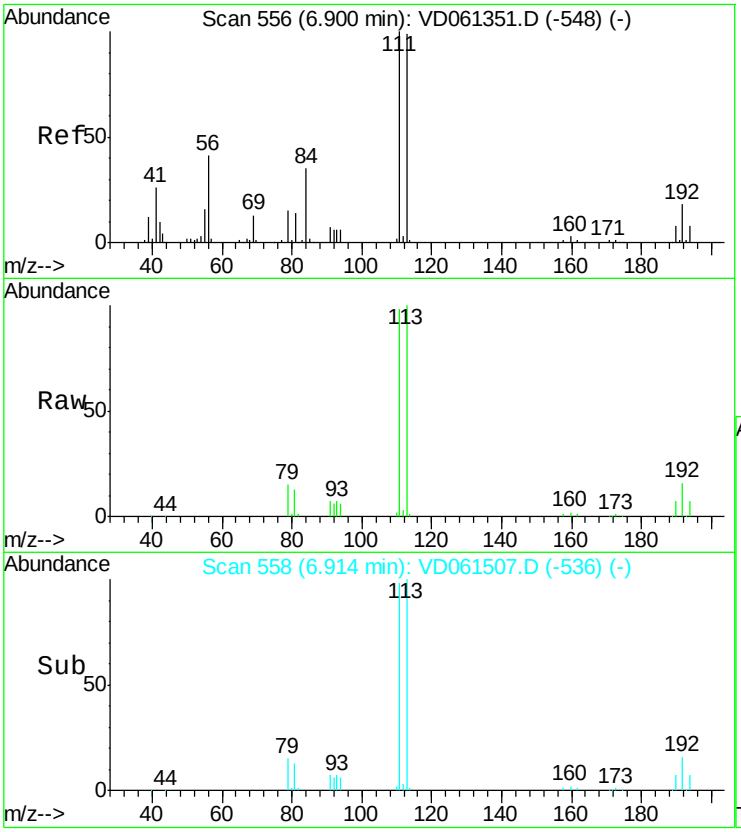




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.20 min Scan# 689
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion:114 Resp: 1034320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 16.5 | 0.0 | 31.6 |
| 88 | 17.4 | 0.0 | 33.4 |



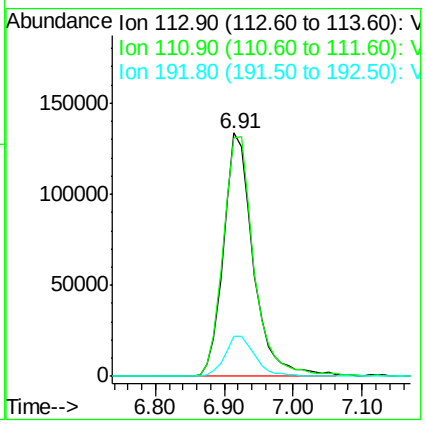


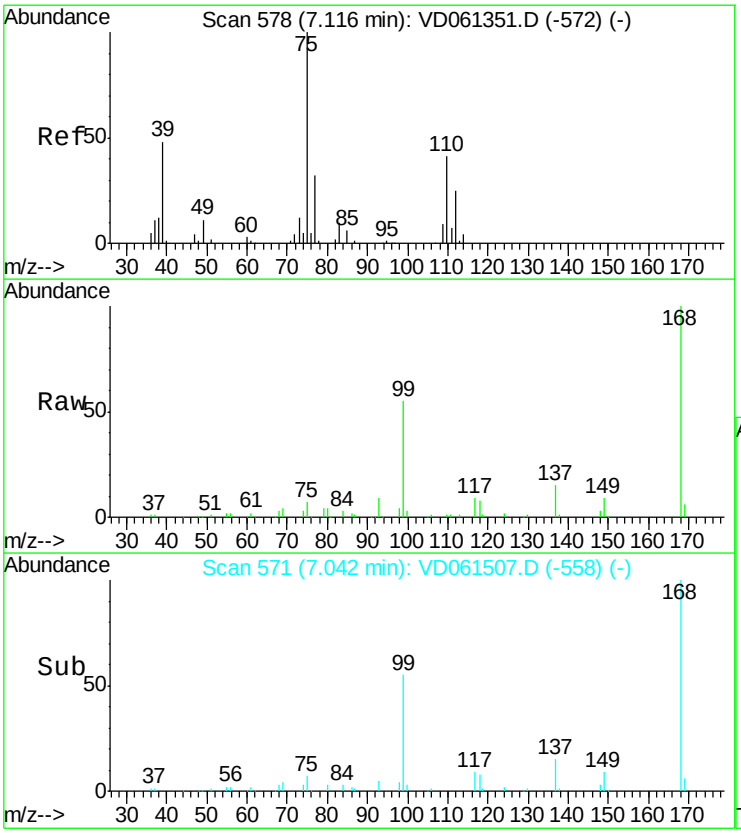

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion:113 Resp: 398760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 98.0 | 81.0 | 121.6 |
| 192 | 16.2 | 14.4 | 21.6 |

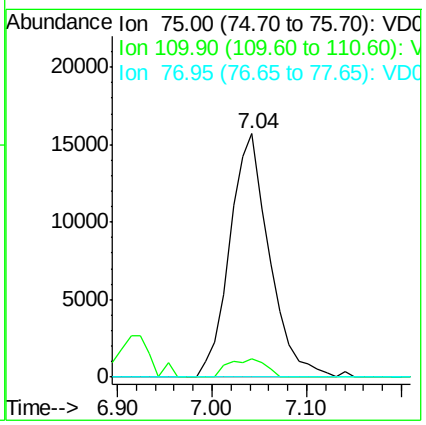


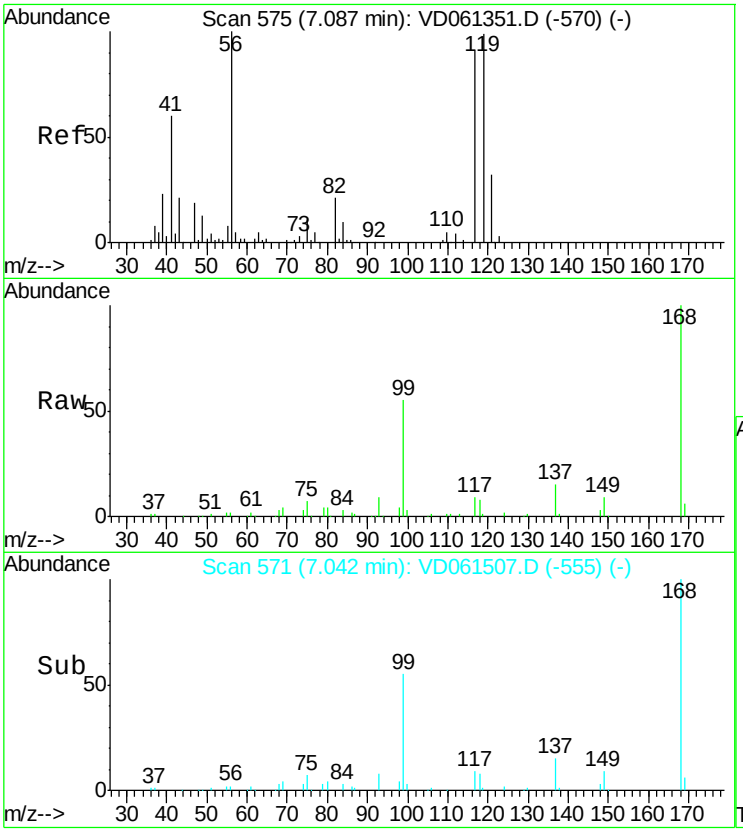




#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 75 Resp: 45296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.4 | 20.4 | 61.3# |
| 77 | 0.0 | 24.9 | 37.3# |



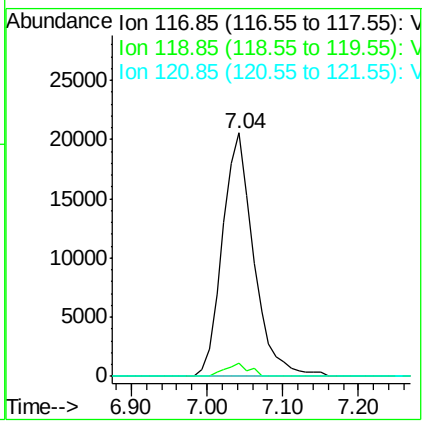


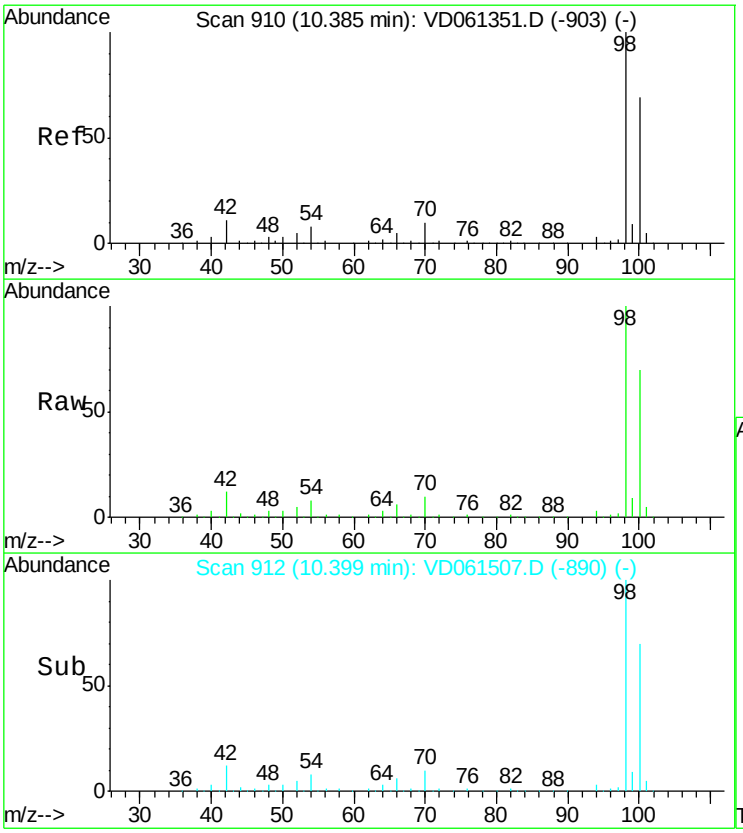

#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion:117 Resp: 58744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 80.1 | 120.1# |
| 121 | 0.0 | 25.6 | 38.4# |

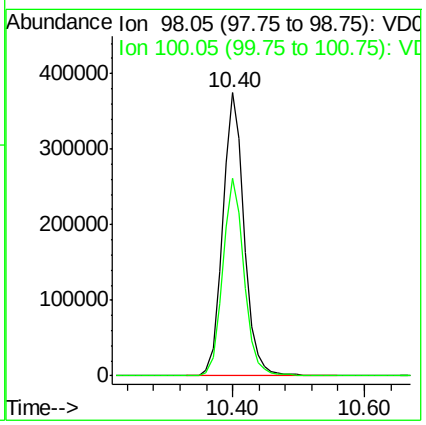


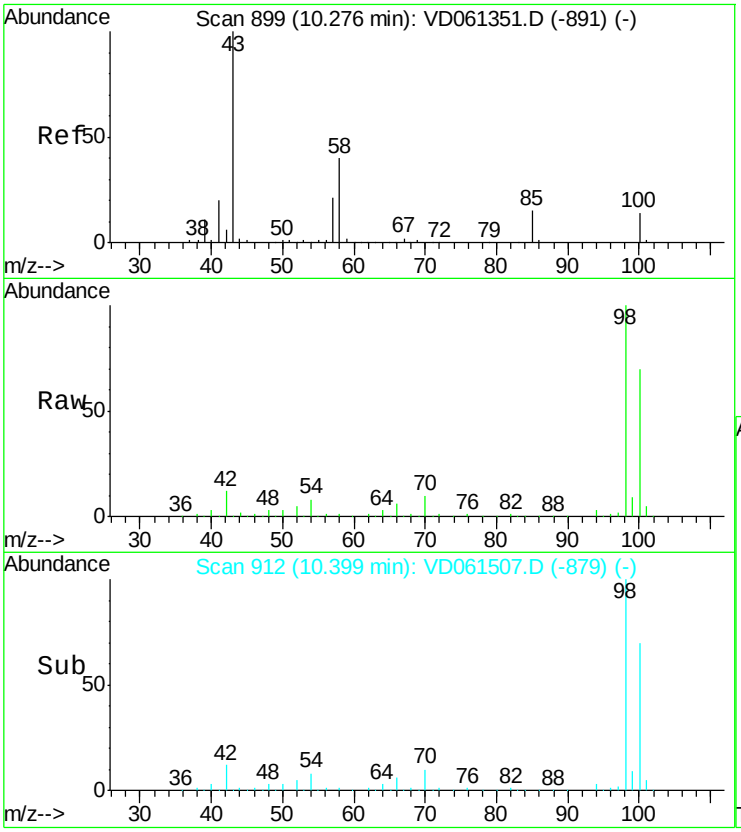




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 98 Resp: 853334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.7 | 56.2 | 84.2 |



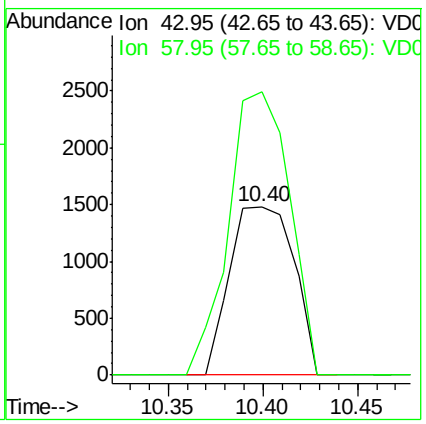


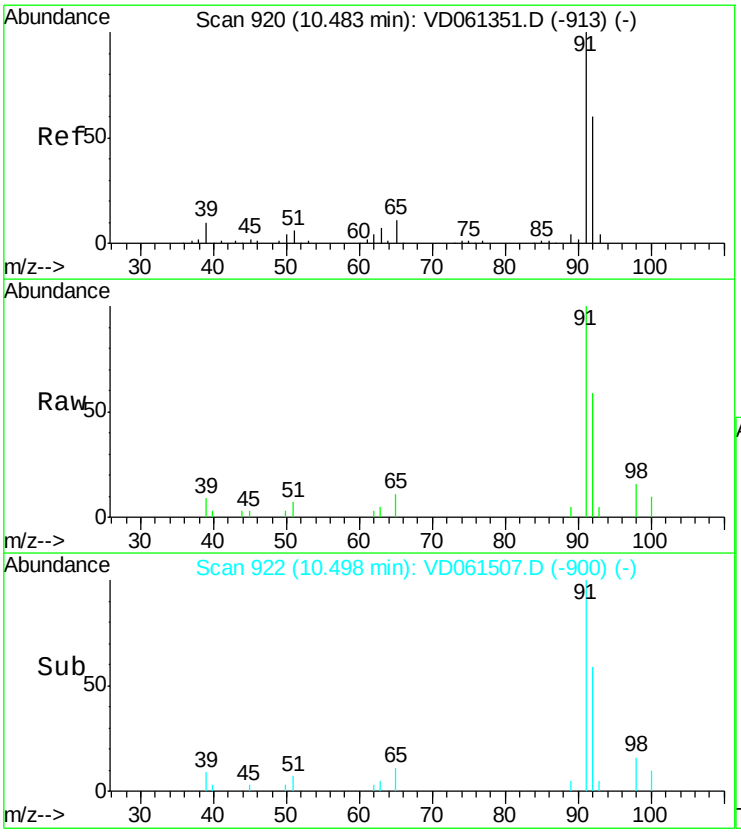

#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.12 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 43 Resp: 3475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 168.1 | 31.8 | 47.8# |

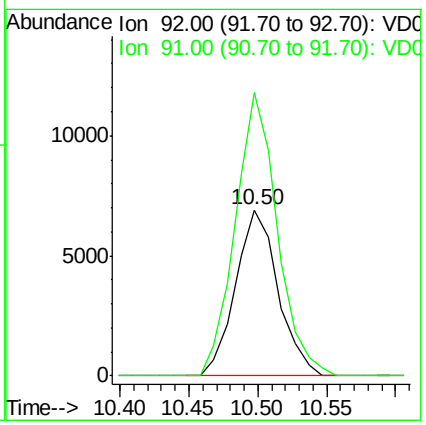


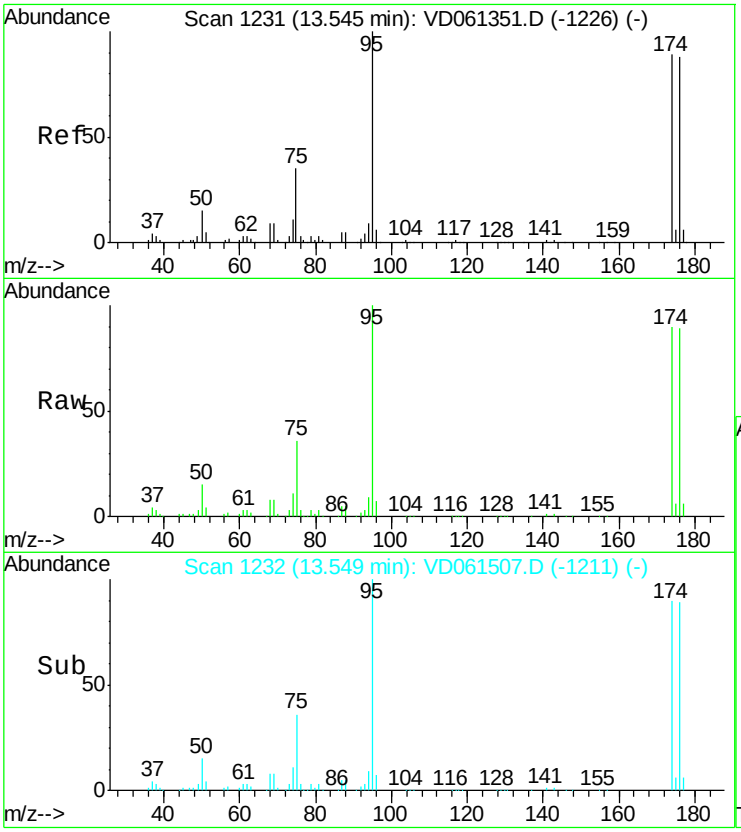




#52
Toluene
Concen: 1.074 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion: 92 Resp: 14846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.3 | 133.3 | 199.9 |



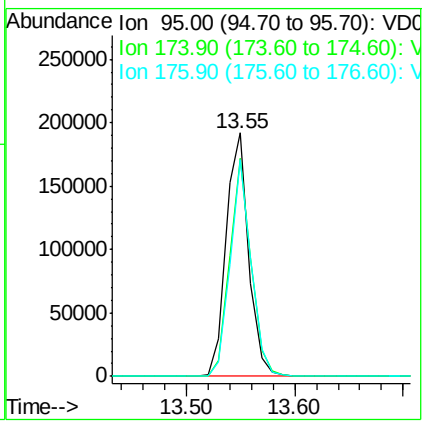


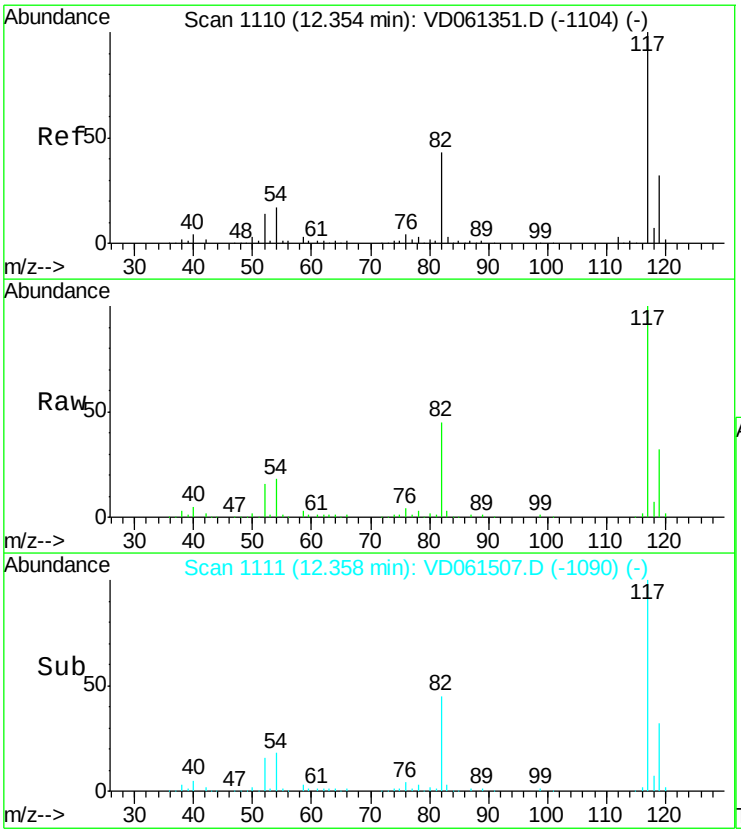

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 95 Resp: 276663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.8 | 0.0 | 178.0 |
| 176 | 88.8 | 0.0 | 175.0 |

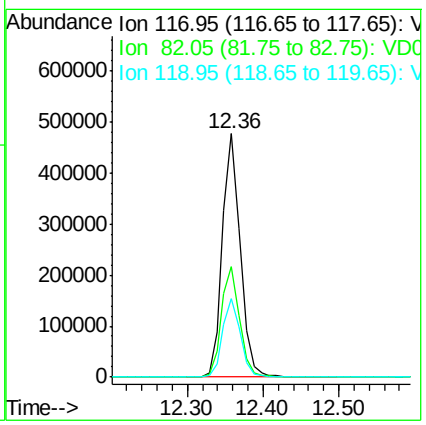


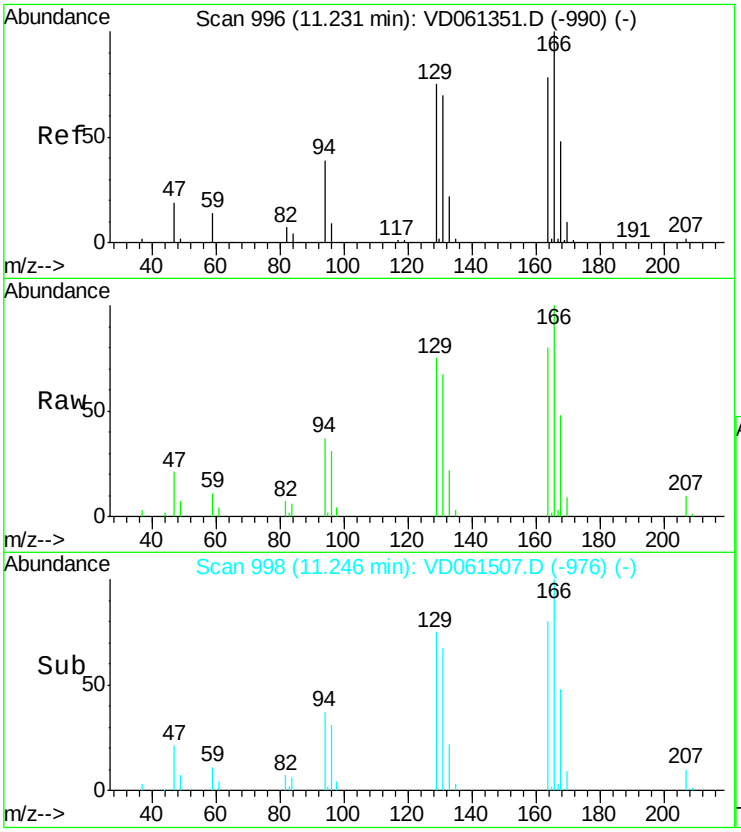




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion:117 Resp: 784234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 45.3 | 34.4 | 51.6 |
| 119 | 32.1 | 25.8 | 38.6 |



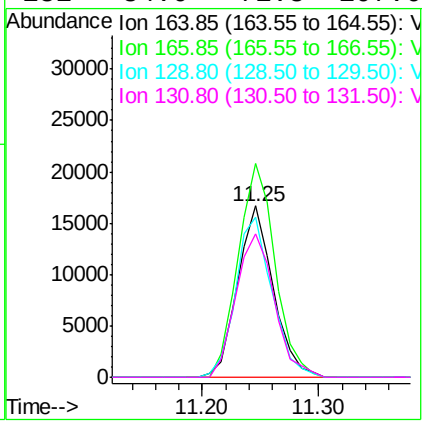


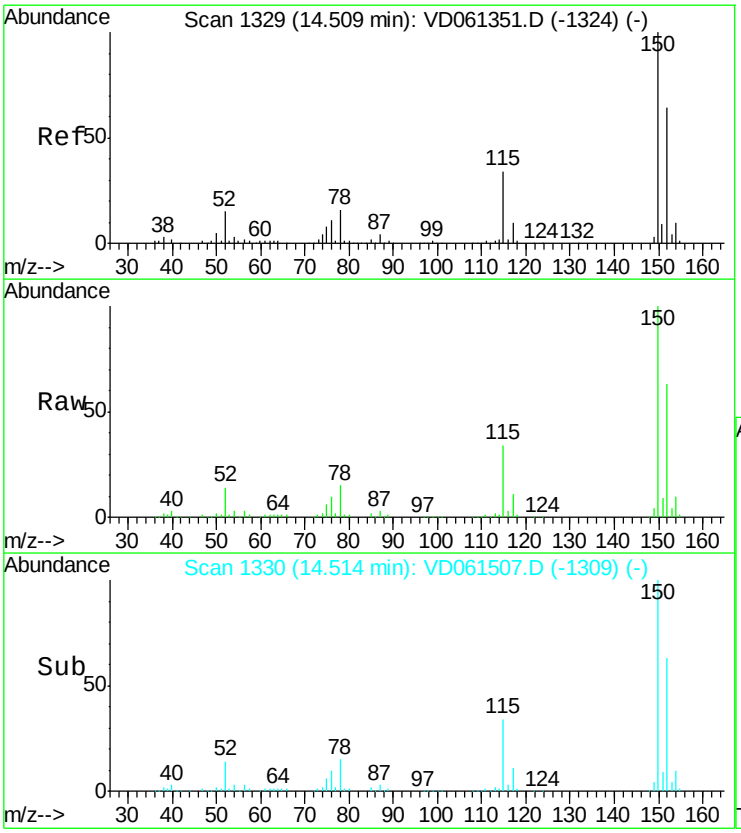

#64
Tetrachloroethene
Concen: 5.739 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion:164 Resp: 35322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.7 | 102.4 | 153.6 |
| 129 | 93.5 | 76.8 | 115.2 |
| 131 | 84.0 | 71.8 | 107.6 |

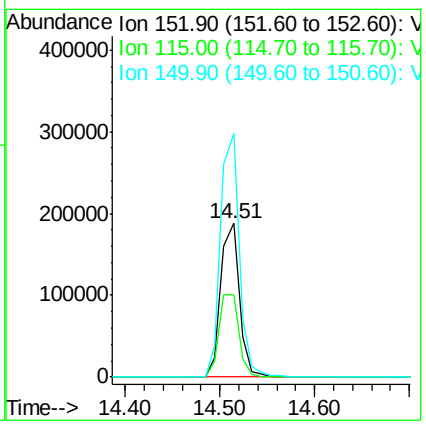


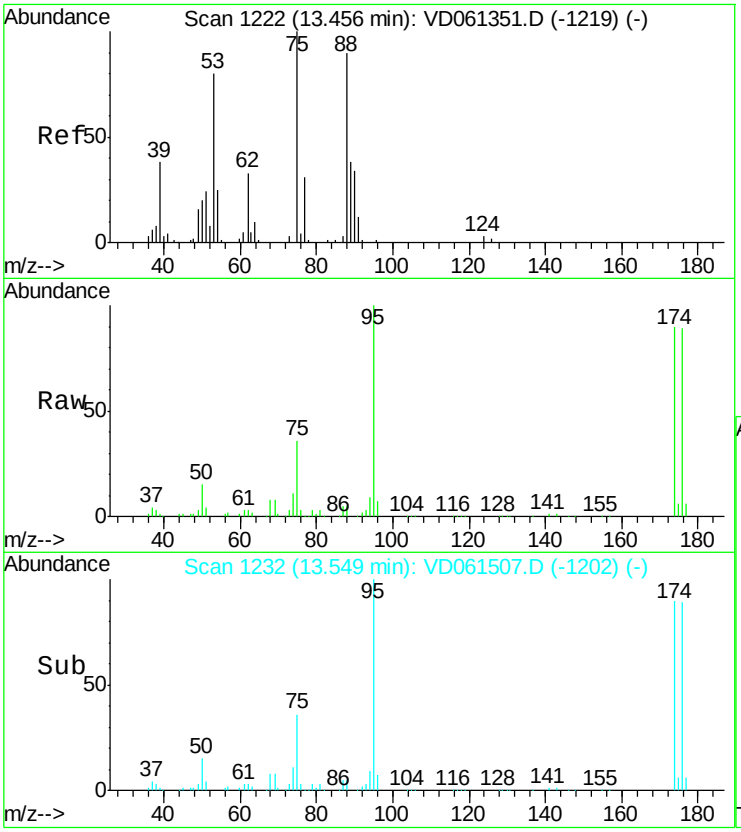




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

Tgt Ion:152 Resp: 256786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.2 | 26.9 | 80.6 |
| 150 | 158.4 | 0.0 | 318.0 |






#81
trans-1,4-Dichloro-2-butene
Concen: 89.147 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD061507.D
Acq: 2 Apr 2019 11:20

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

Tgt Ion: 75 Resp: 100823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 63.8 | 95.8# |
| 89 | 0.0 | 30.5 | 45.7# |