Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
Data File : VD064139.D
Acq On : 31 Oct 2019 18:15
Operator : VA/SY
Sample : K5602-04RE
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 01 06:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 210443 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.87 | 114 | 333919 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.65 | 117 | 346042 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152 | 177291 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.34 | 65 | 84977 | 50.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.54% | | | |
| 35) Dibromofluoromethane | 7.91 | 113 | 42106 | 20.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 41.00% | | | |
| 50) Toluene-d8 | 10.34 | 98 | 408092 | 49.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.34% | | | |
| 62) 4-Bromofluorobenzene | 12.64 | 95 | 142248 | 52.22 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.44% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.30 | 59 | 72 | 6.919 | ug/l # | 71 |
| 16) Acetone | 4.17 | 43 | 123826 | 388.843 | ug/l | 99 |
| 17) Carbon Disulfide | 4.40 | 76 | 65142 | 11.612 | ug/l # | 91 |
| 18) Methyl Acetate | 4.45 | 43 | 5446 | 6.429 | ug/l # | 47 |
| 20) Methylene Chloride | 4.97 | 84 | 5029 | Below Cal | # | 81 |
| 25) 2-Butanone | 7.23 | 43 | 30406 | 69.067 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.98 | 75 | 14420 | 4.609 | ug/l # | 51 |
| 37) Ethyl Acetate | 7.23 | 43 | 30406 | 31.572 | ug/l # | 71 |
| 38) Carbon Tetrachloride | 7.98 | 117 | 19410 | 5.686 | ug/l # | 18 |
| 51) 4-Methyl-2-Pentanone | 10.24 | 43 | 1768 | 1.669 | ug/l # | 79 |
| 59) 2-Hexanone | 10.98 | 43 | 2350 | 11.741 | ug/l | 94 |
| 76) 1,2,3-Trichloropropane | 12.64 | 75 | 72548 | 60.898 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75 | 72548 | 124.370 | ug/l # | 15 |

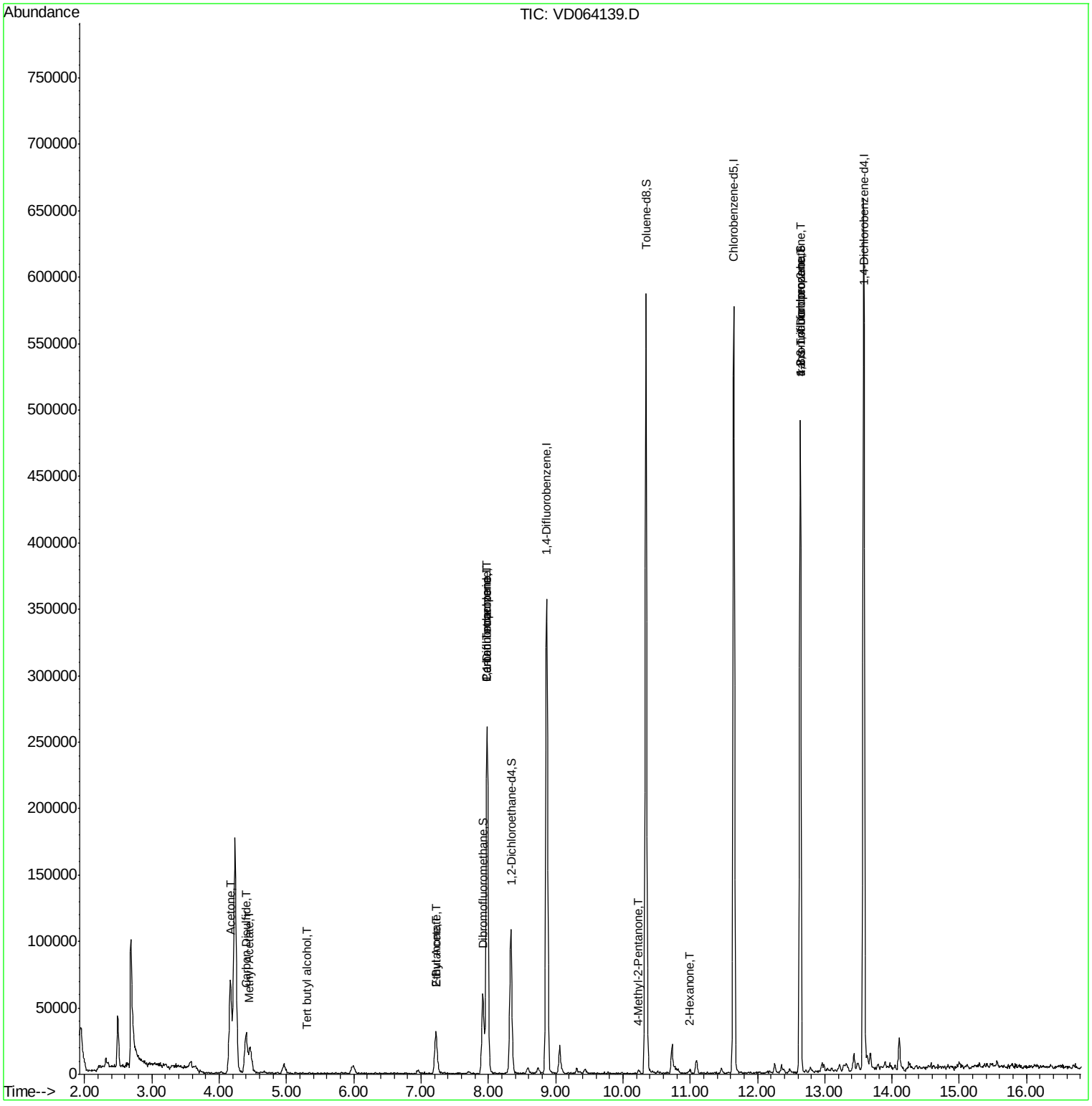
(#) = qualifier out of range (m) = manual integration (+) = signals summed

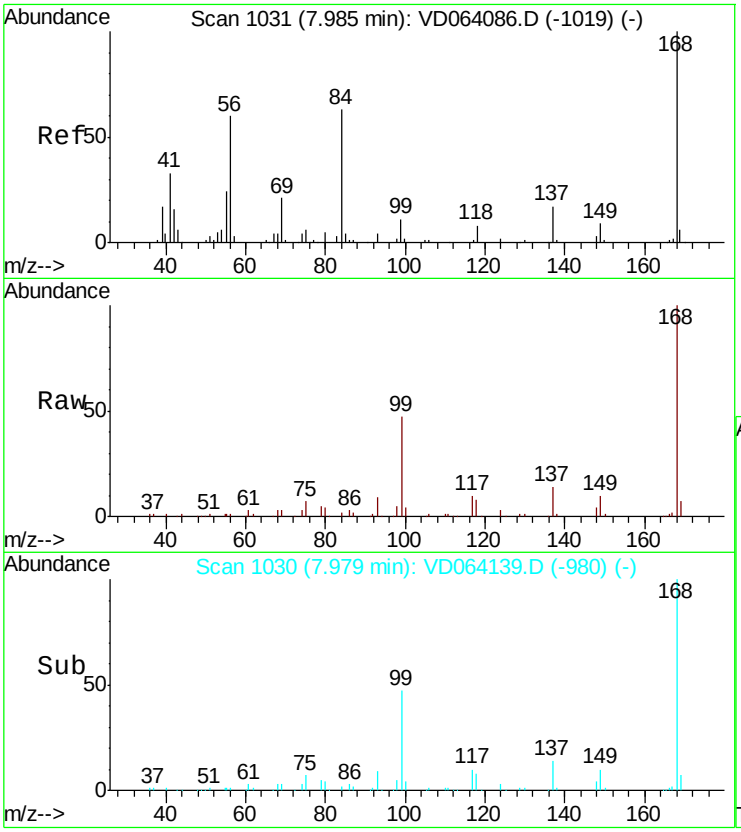
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
Data File : VD064139.D
Acq On : 31 Oct 2019 18:15
Operator : VA/SY
Sample : K5602-04RE
Misc : 5.03G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 01 06:06:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration



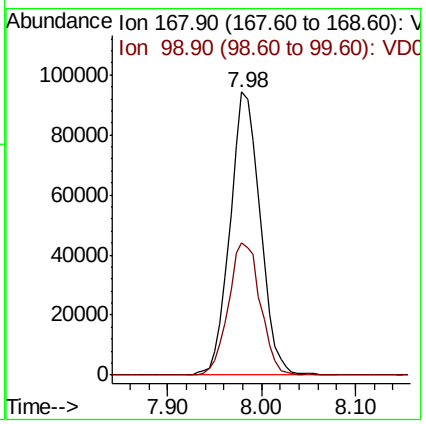


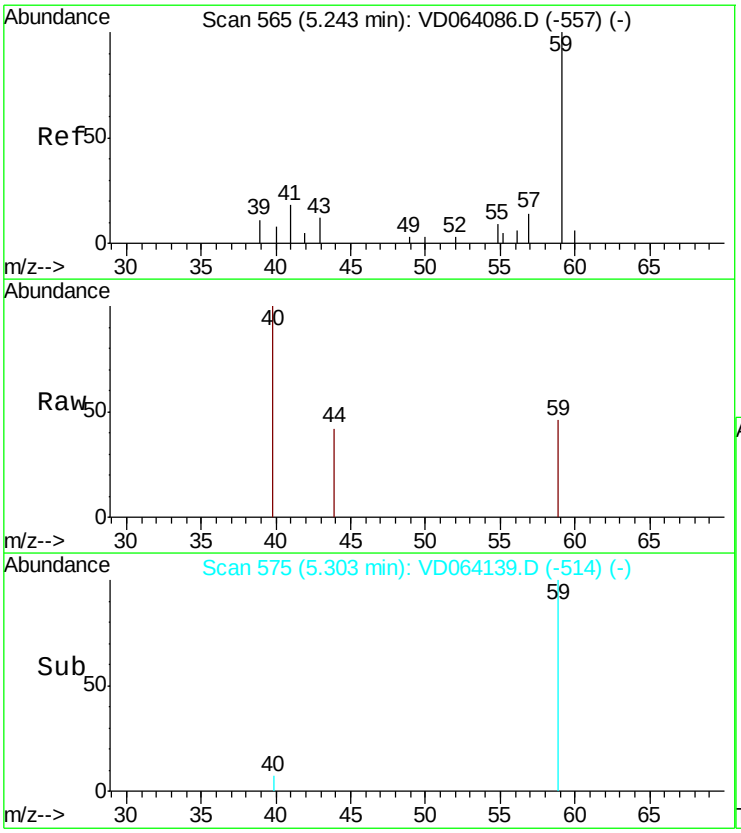

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion:168 Resp: 210443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.0 | 37.6 | 56.4 |

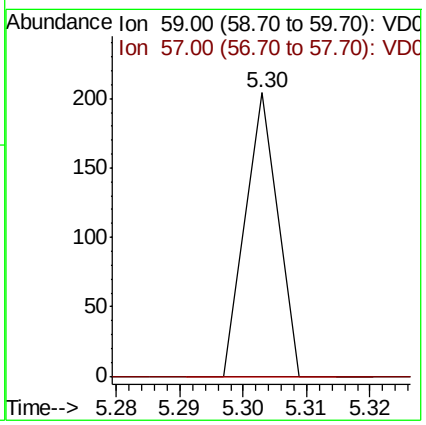


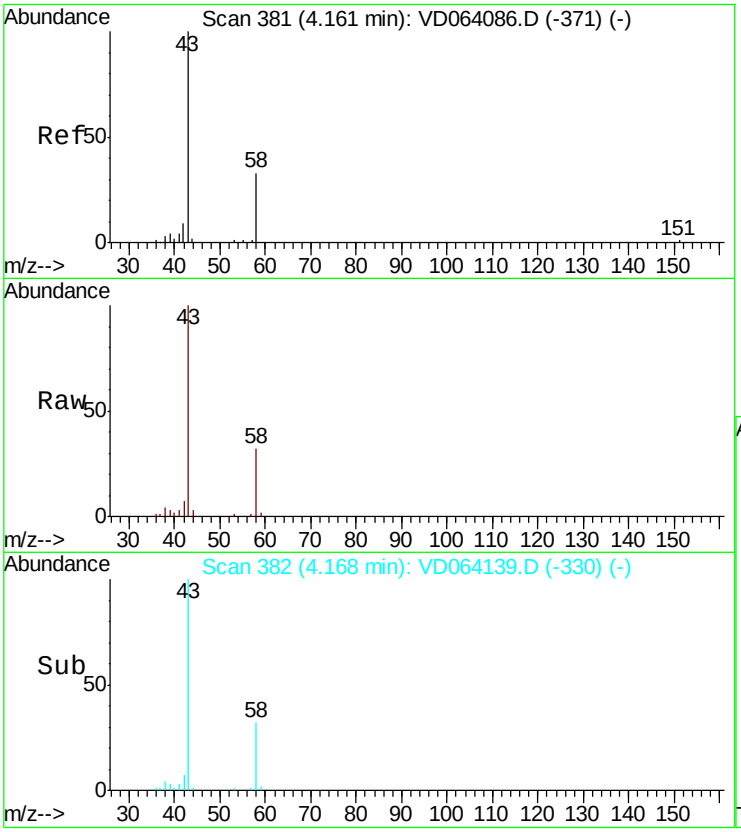




#11
Tert butyl alcohol
Concen: 6.919 ug/l
RT: 5.30 min Scan# 575
Delta R.T. 0.06 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 59 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.7 | 13.1# |



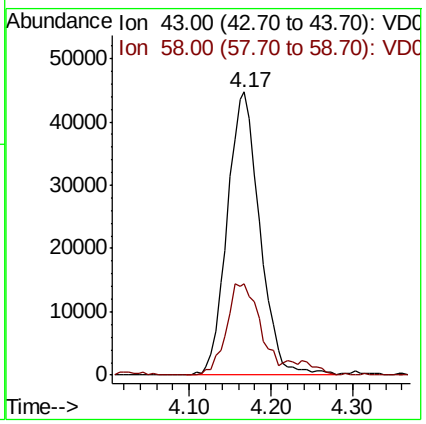


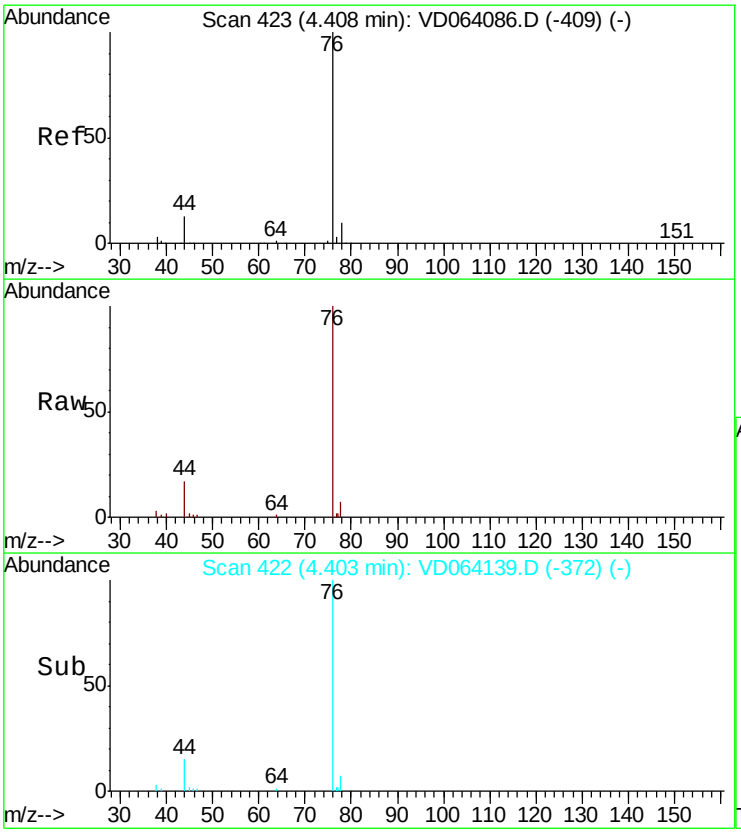

#16
Acetone
Concen: 388.843 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 43 Resp: 123826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 26.3 | 39.5 |

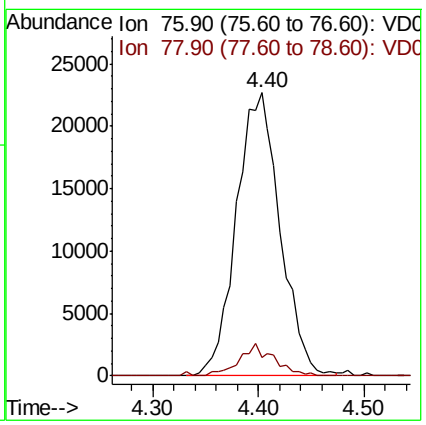


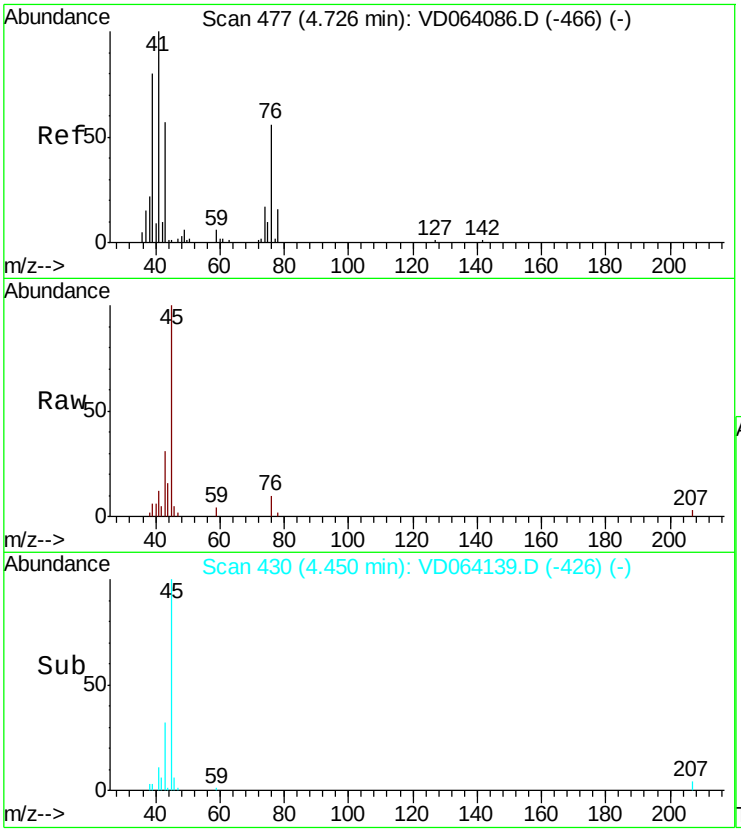




#17
Carbon Disulfide
Concen: 11.612 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 76 Resp: 65142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.7 | 8.1 | 12.1# |



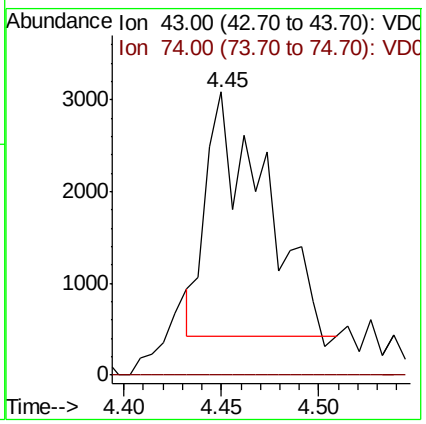


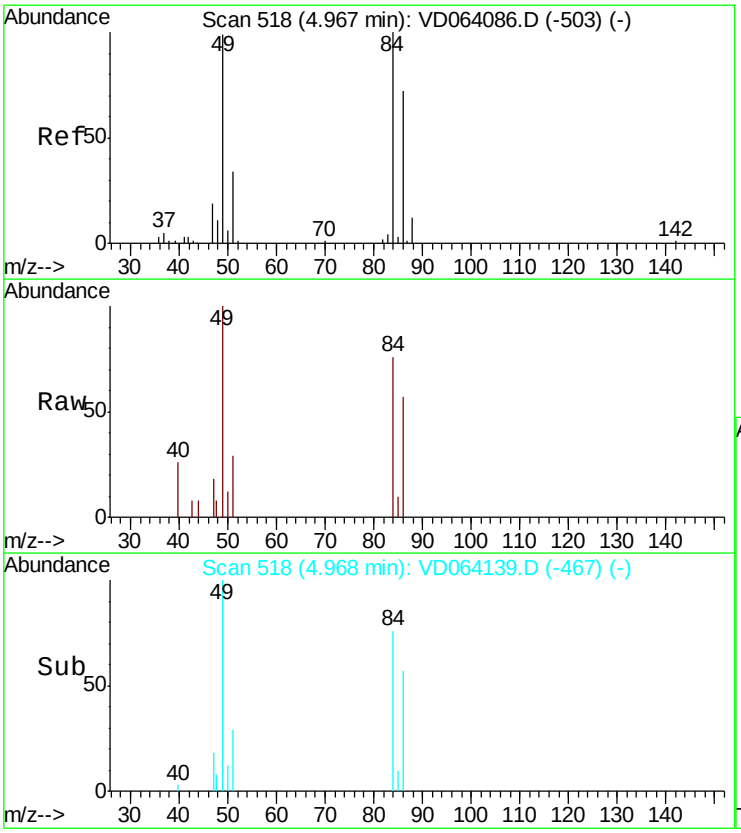

#18
Methyl Acetate
Concen: 6.429 ug/l
RT: 4.45 min Scan# 430
Delta R.T. -0.28 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 43 Resp: 5446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 22.2 | 33.4# |

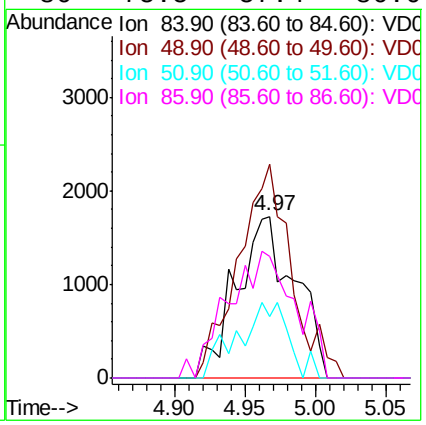


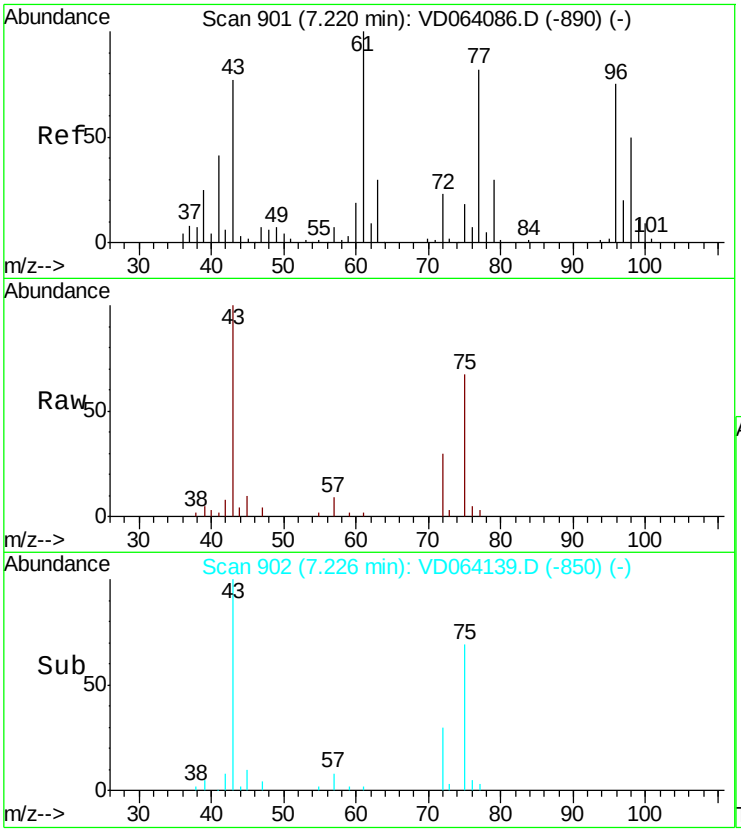




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 84 Resp: 5029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.9 | 79.4 | 119.0# |
| 51 | 38.1 | 27.4 | 41.2 |
| 86 | 75.5 | 57.4 | 86.0 |



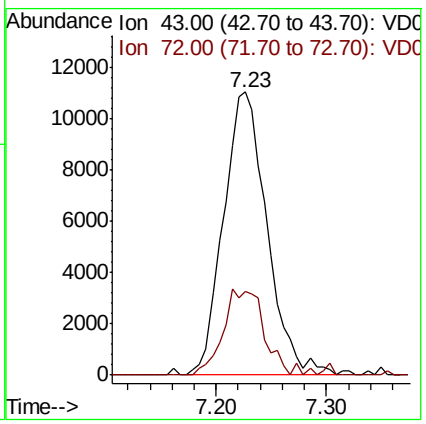


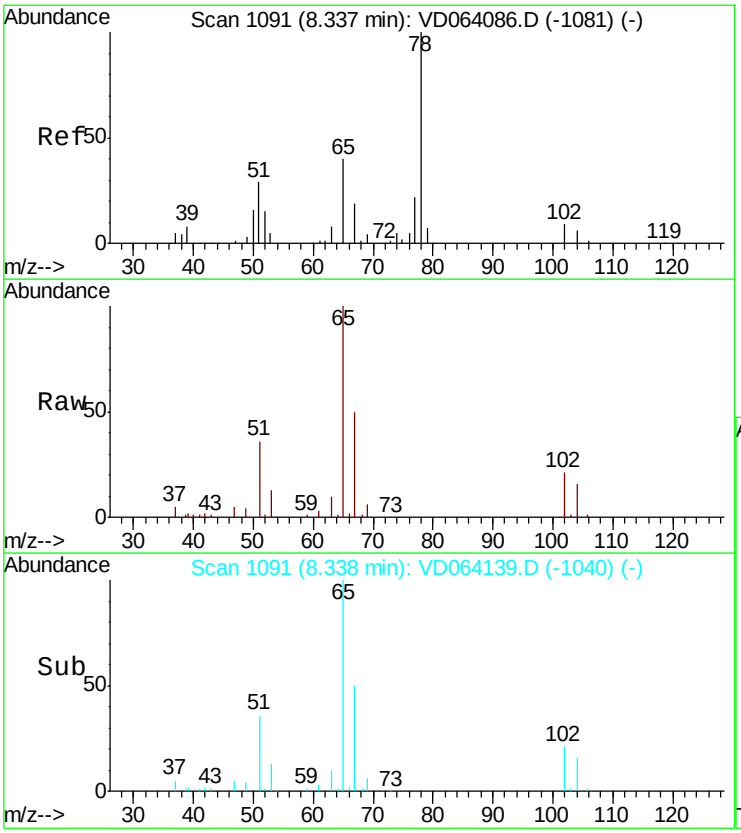

#25
2-Butanone
Concen: 69.067 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 43 Resp: 30406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.5 | 23.4 | 35.0 |

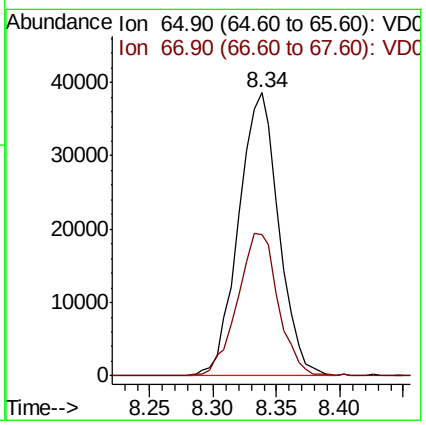


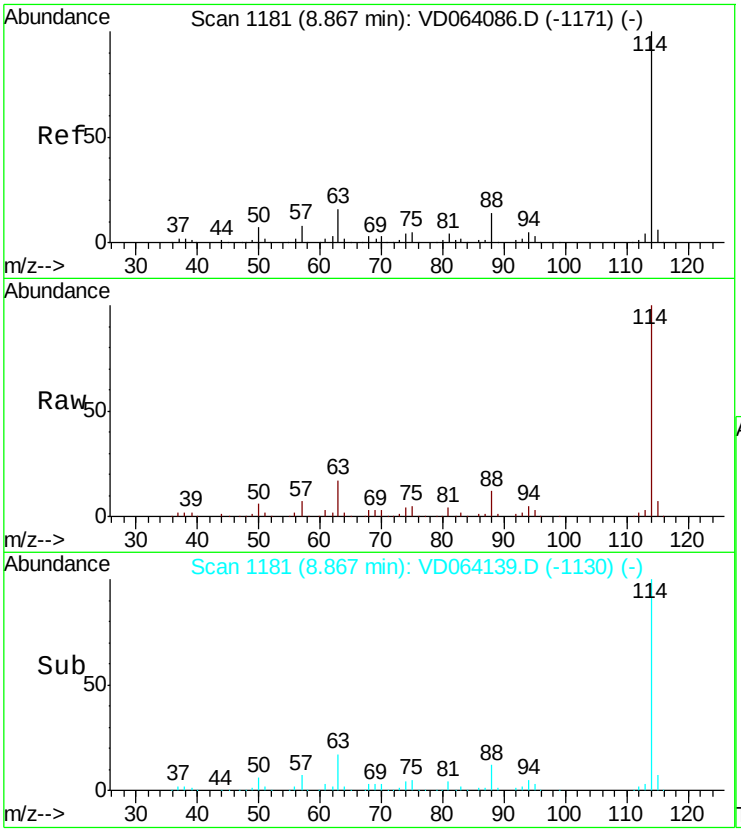




#33
1,2-Dichloroethane-d4
Concen: 50.773 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 65 Resp: 84977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 104.6 |



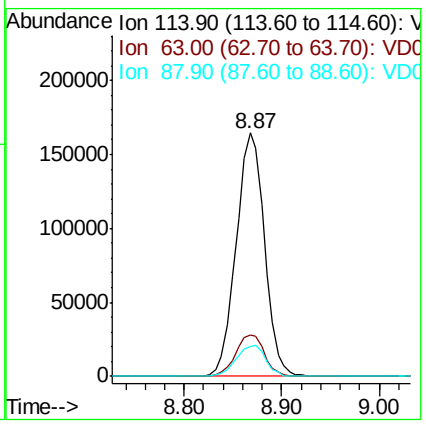


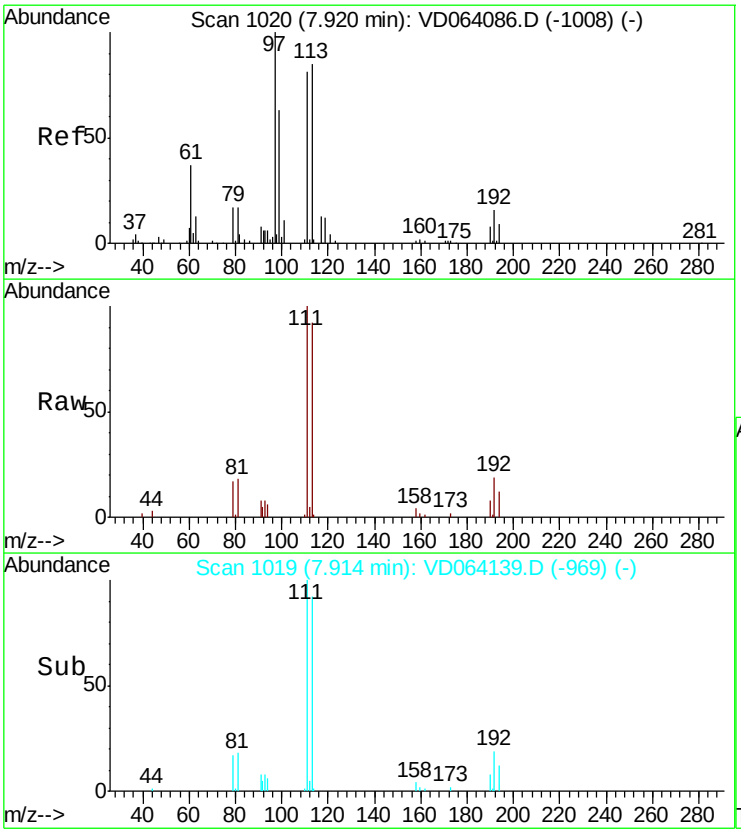

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion:114 Resp: 333919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 16.9 | 0.0 | 32.8 |
| 88 | 12.5 | 0.0 | 27.6 |

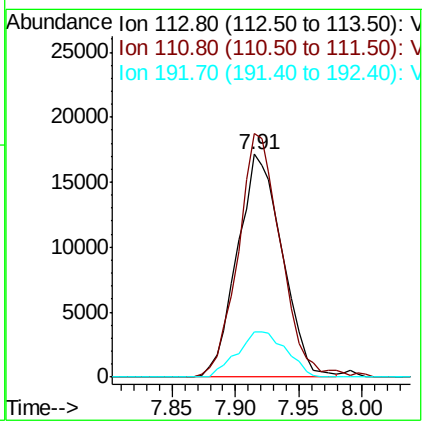


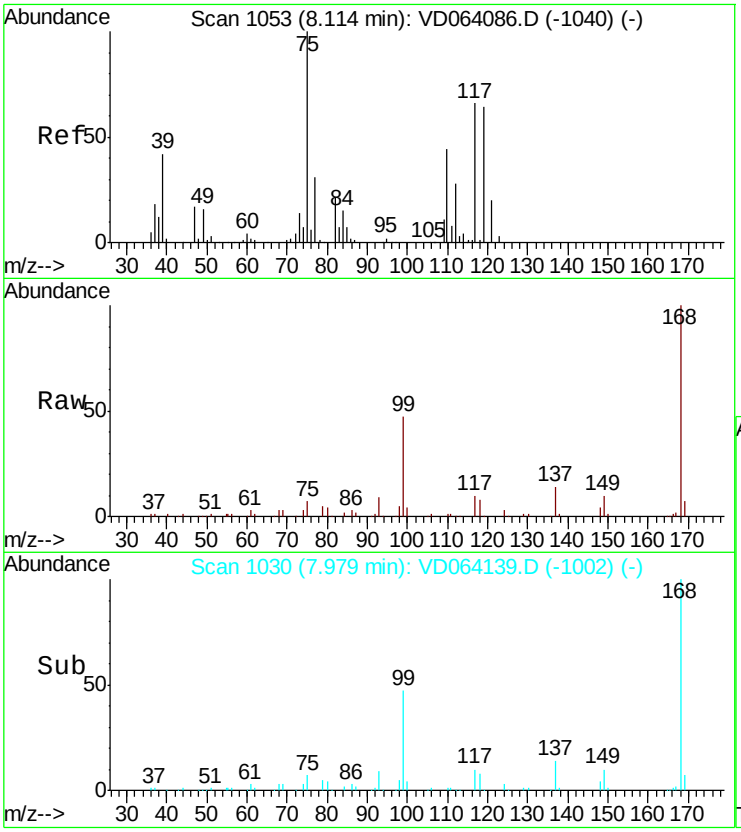




#35
Dibromofluoromethane
Concen: 20.496 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion:113 Resp: 42106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 79.3 | 118.9 |
| 192 | 22.0 | 16.2 | 24.2 |



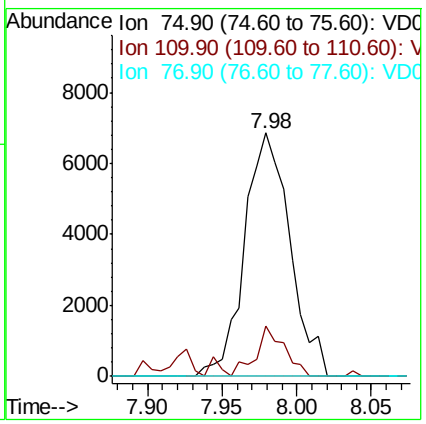


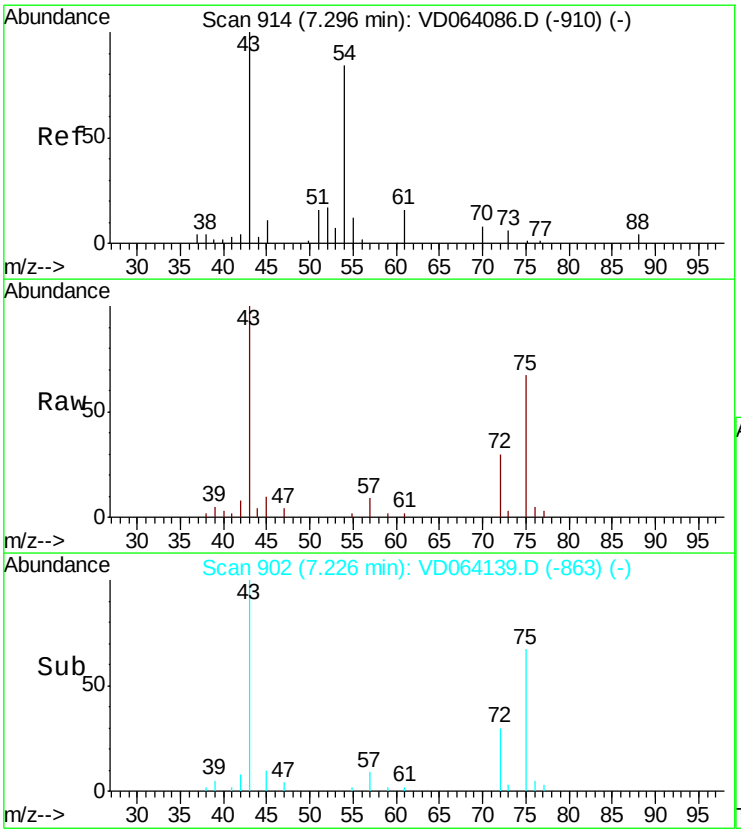

#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 75 Resp: 14420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 13.0 | 20.0 | 59.9# |
| 77 | 0.0 | 24.7 | 37.1# |

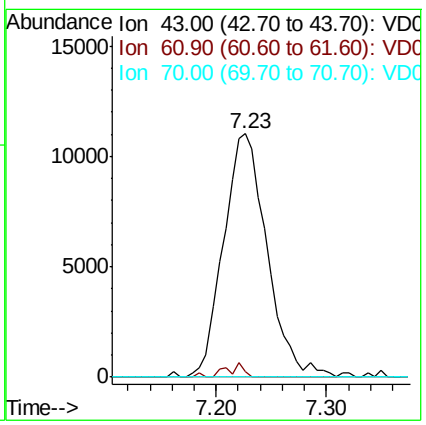


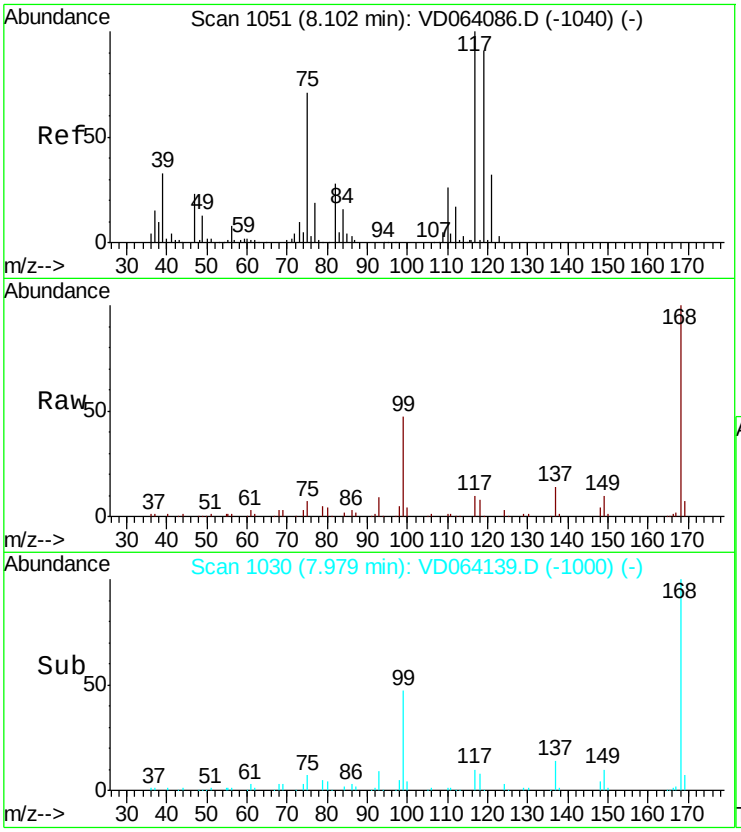




#37
Ethyl Acetate
Concen: 31.572 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 43 Resp: 30406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 1.2 | 12.0 | 18.0# |
| 70 | 0.0 | 3.8 | 5.6# |



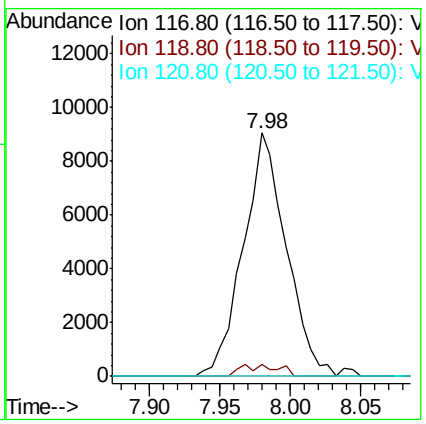


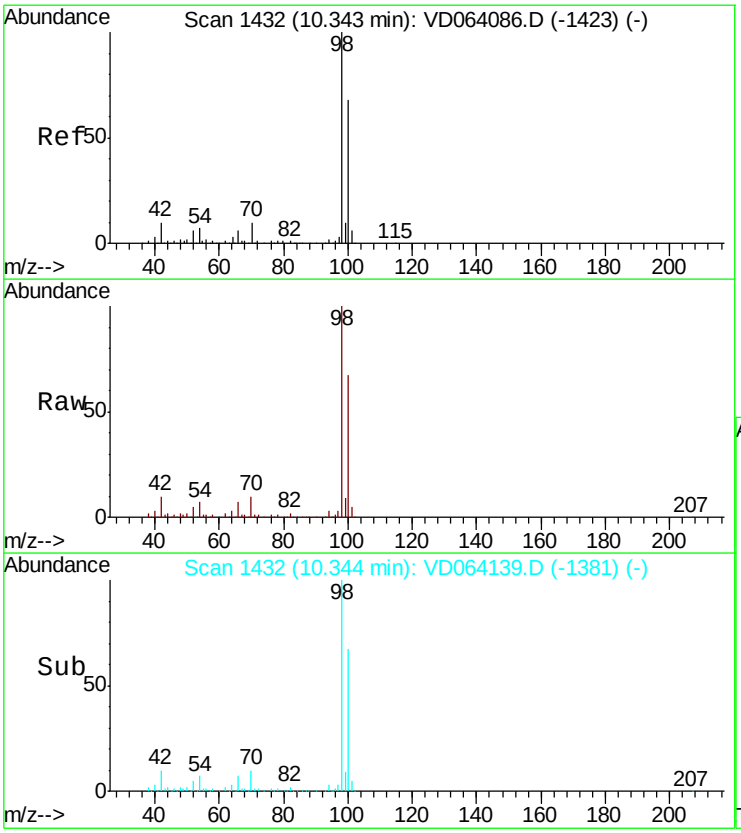

#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion:117 Resp: 19410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.6 | 72.6 | 108.8# |
| 121 | 0.0 | 25.8 | 38.6# |

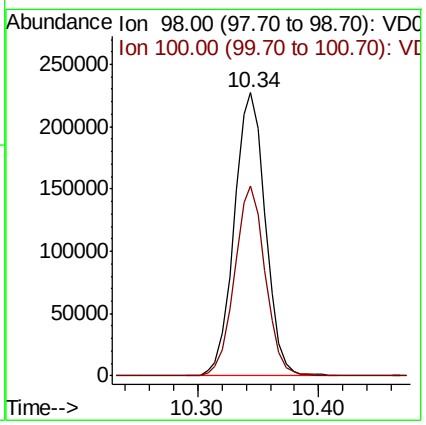


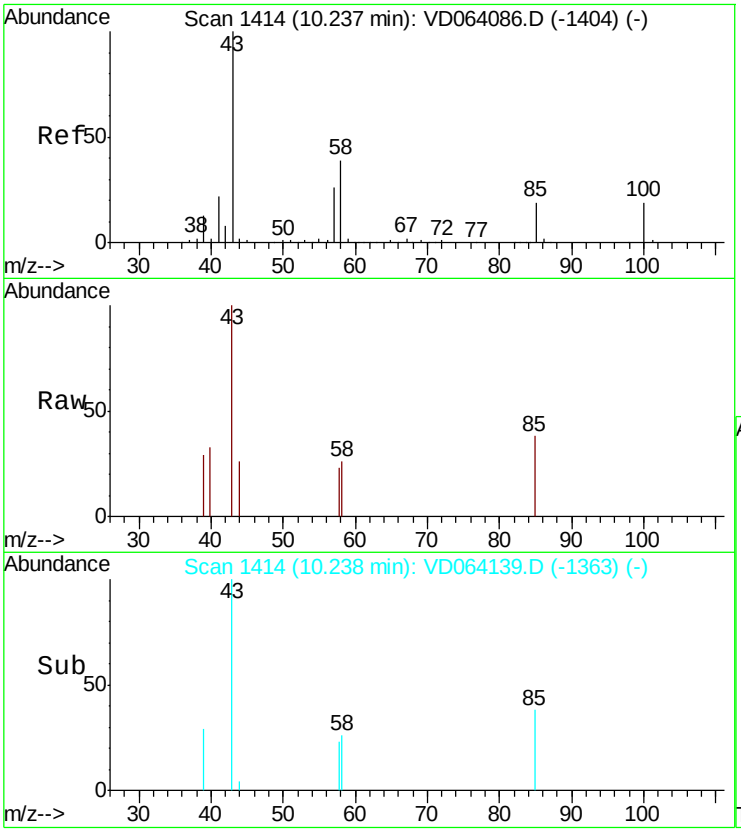




#50
Toluene-d8
Concen: 49.672 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 98 Resp: 408092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 53.4 | 80.0 |



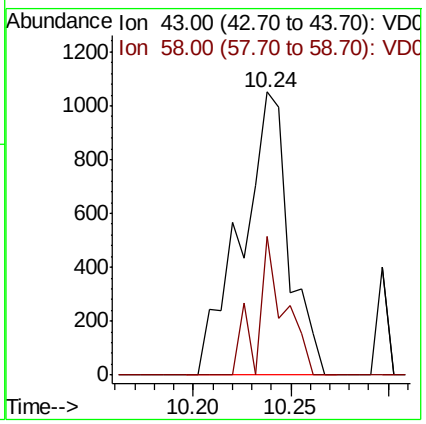


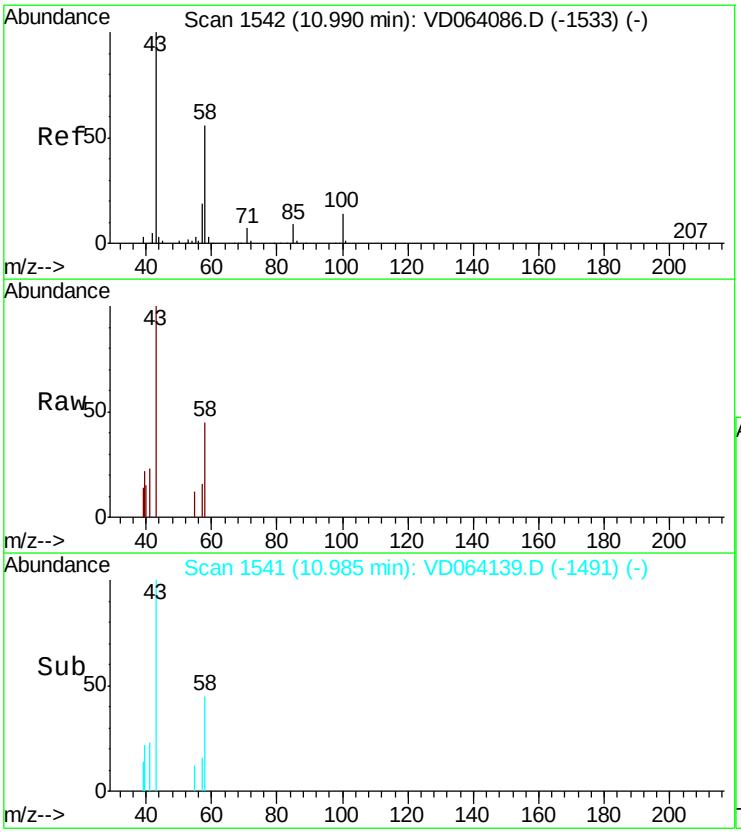

#51
4-Methyl-2-Pentanone
Concen: 1.669 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 43 Resp: 1768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 33.0 | 49.4# |

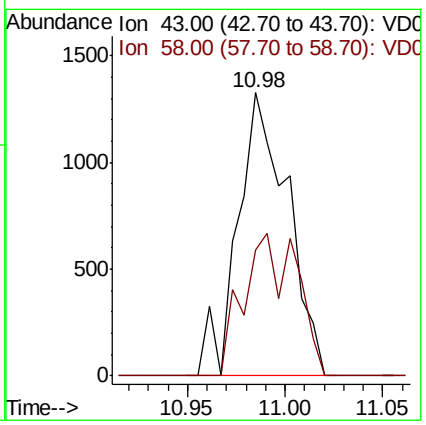


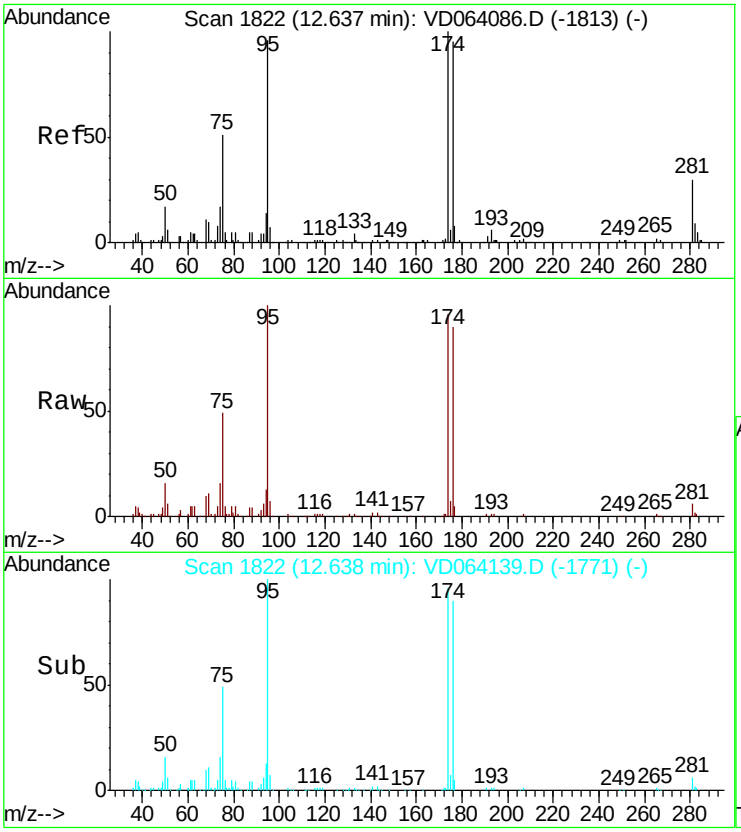




#59
2-Hexanone
Concen: 11.741 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 43 Resp: 2350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.8 | 29.2 | 87.6 |



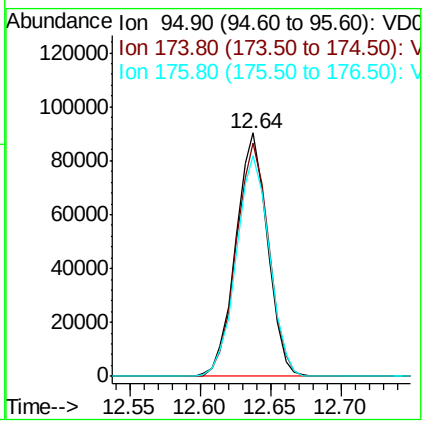


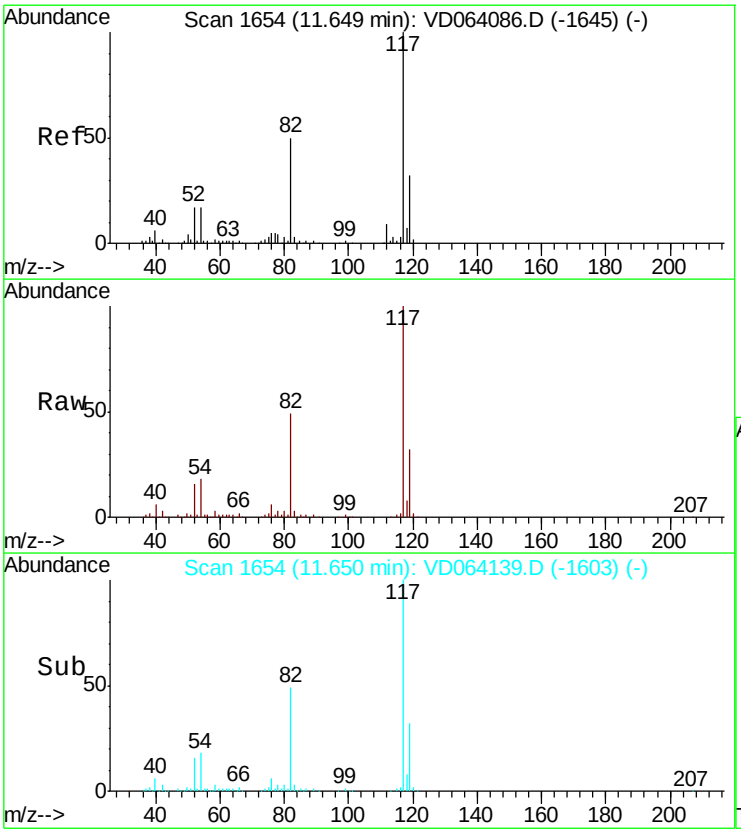

#62
4-Bromofluorobenzene
Concen: 52.225 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 95 Resp: 142248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.5 | 0.0 | 201.6 |
| 176 | 94.6 | 0.0 | 192.6 |

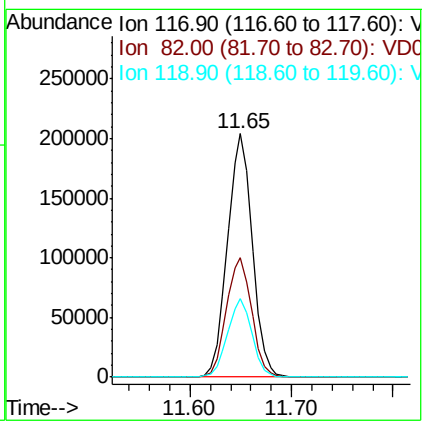


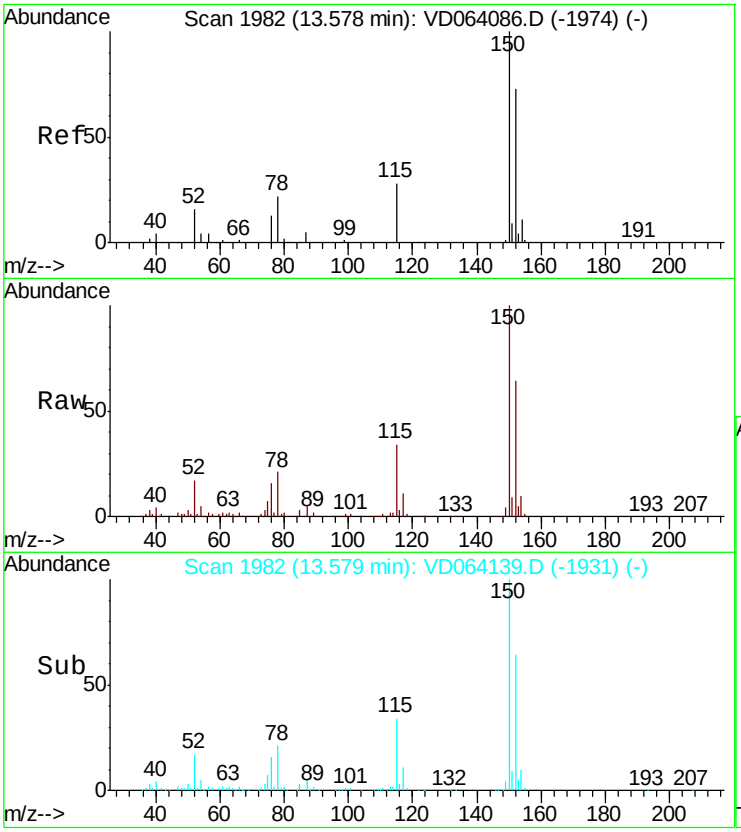




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion:117 Resp: 346042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 48.8 | 40.2 | 60.4 |
| 119 | 32.3 | 26.0 | 39.0 |



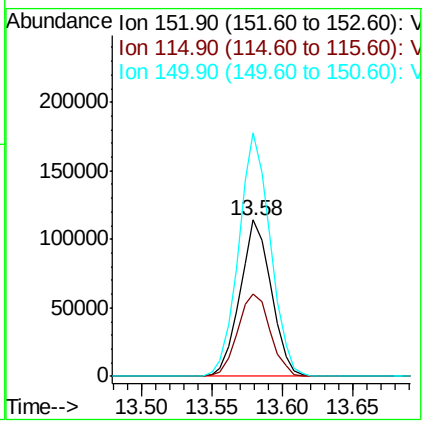


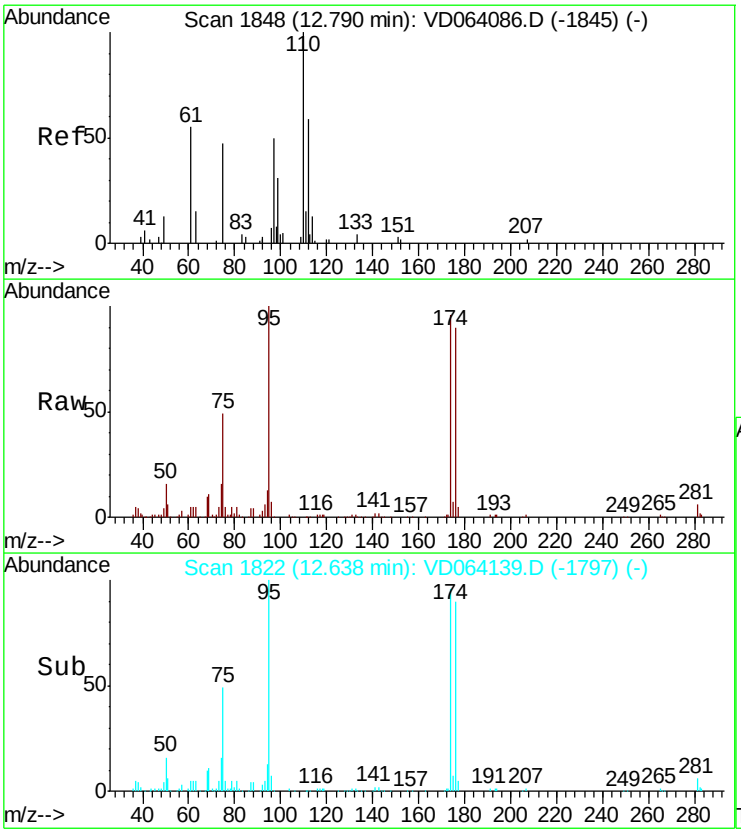

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion:152 Resp: 177291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.9 | 26.2 | 78.6 |
| 150 | 157.2 | 0.0 | 338.8 |

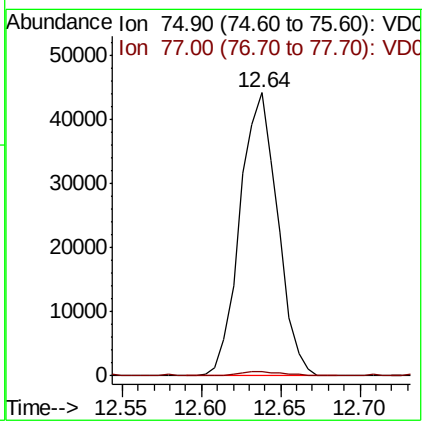


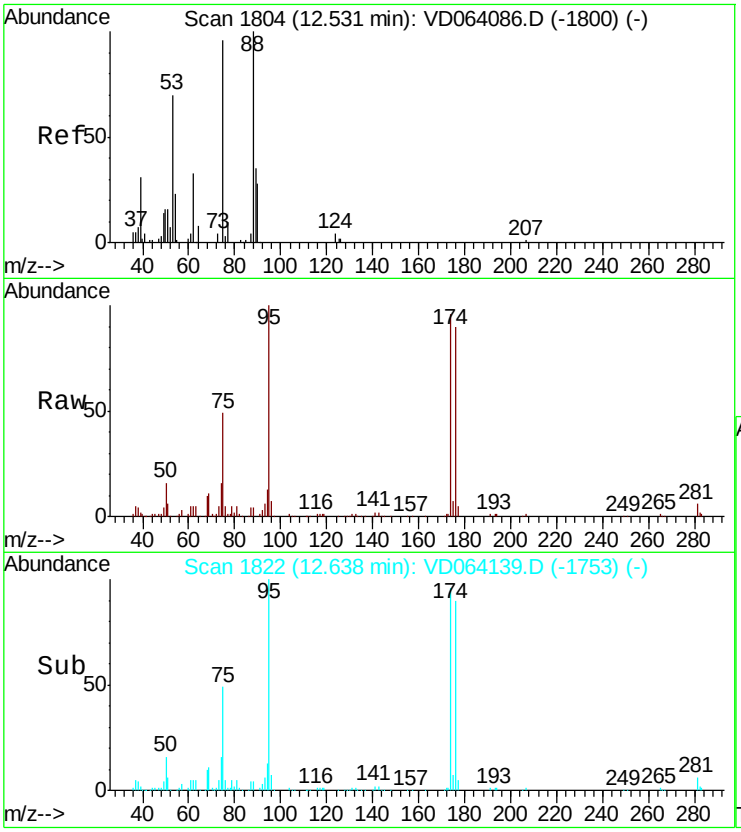




#76
1,2,3-Trichloropropane
Concen: 60.898 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 75 Resp: 72548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.9 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 124.370 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064139.D
Acq: 31 Oct 2019 18:15

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

Tgt Ion: 75 Resp: 72548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 68.6 | 103.0# |
| 89 | 0.2 | 36.9 | 55.3# |