Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102819\
Data File : VW013767.D
Acq On : 28 Oct 2019 15:31
Operator : SY/VA
Sample : K5539-10RE
Misc : 5.18G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** 162-94-(1)

Quant Time: Oct 29 11:46:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 277099 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 418067 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 330199 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 125012 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 115982 | 55.80 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.60% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 121454 | 52.28 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.56% | | | |
| 50) Toluene-d8 | 10.32 | 98 | 466976 | 49.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.66% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 133211 | 41.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 83.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.17 | 59 | 702 | 5.657 | ug/l # | 87 |
| 16) Acetone | 4.12 | 43 | 15149 | 34.371 | ug/l | 93 |
| 20) Methylene Chloride | 4.91 | 84 | 18668 | 3.259 | ug/l | 92 |
| 25) 2-Butanone | 7.17 | 43 | 6565 | 10.360 | ug/l # | 78 |
| 31) Cyclohexane | 7.95 | 56 | 4947 | 1.071 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 17855 | 4.586 | ug/l # | 48 |
| 37) Ethyl Acetate | 7.17 | 43 | 6565 | 4.405 | ug/l # | 67 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 23976 | 6.838 | ug/l # | 16 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 62489 | 69.605 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 62489 | 131.545 | ug/l # | 14 |

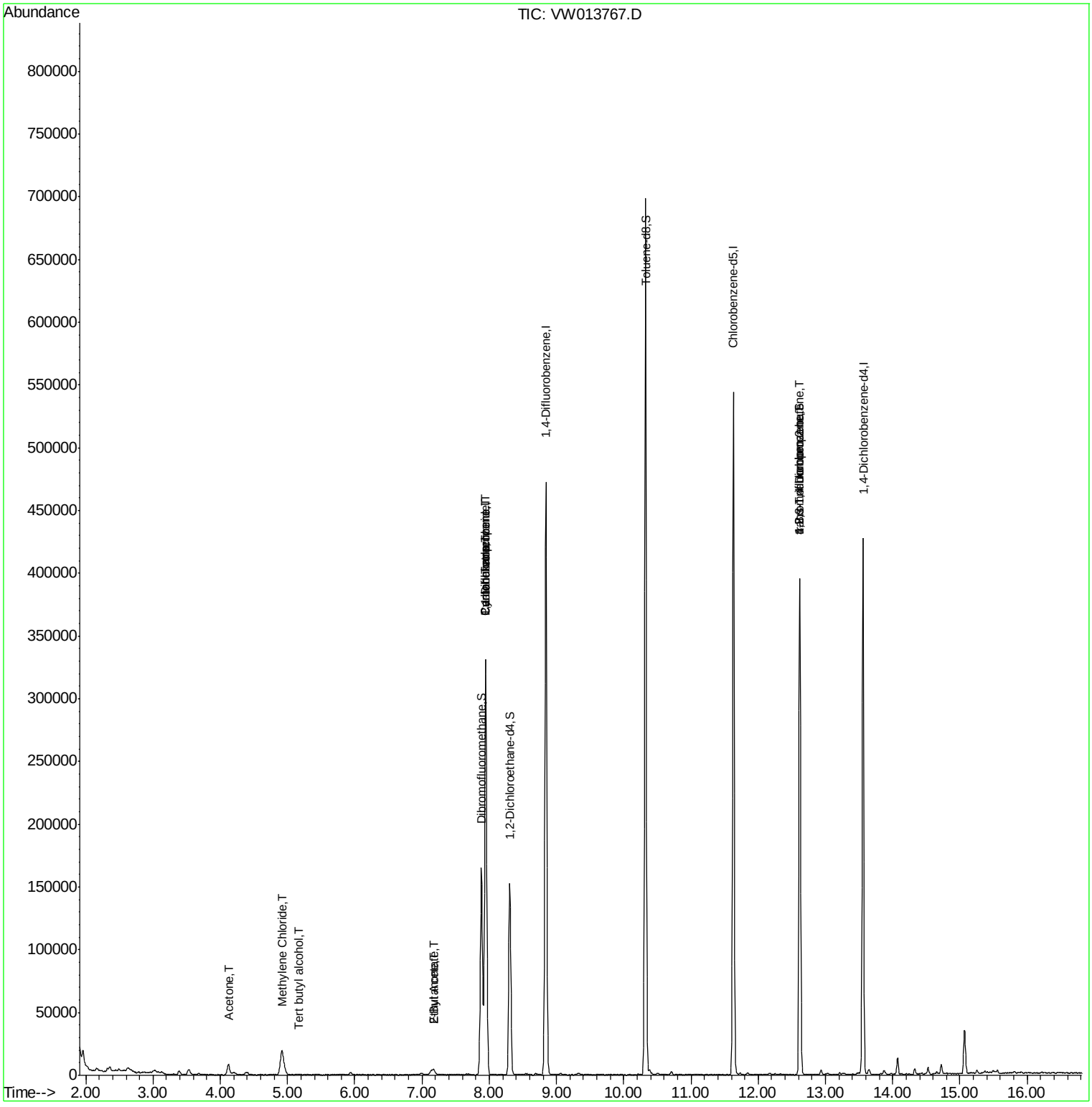
(#) = qualifier out of range (m) = manual integration (+) = signals summed

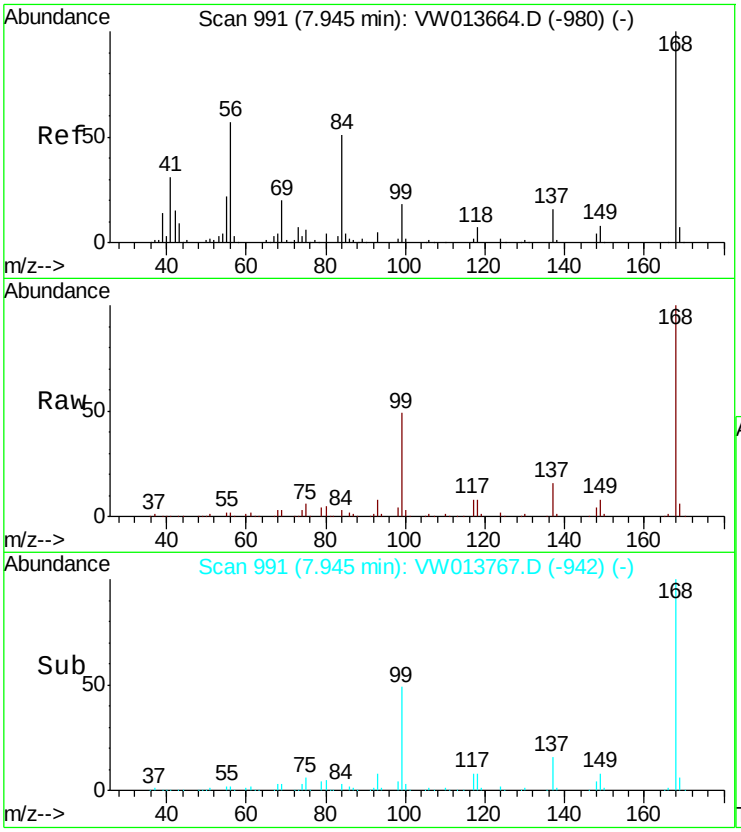
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102819\
Data File : VW013767.D
Acq On : 28 Oct 2019 15:31
Operator : SY/VA
Sample : K5539-10RE
Misc : 5.18G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Quant Time: Oct 29 11:46:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration



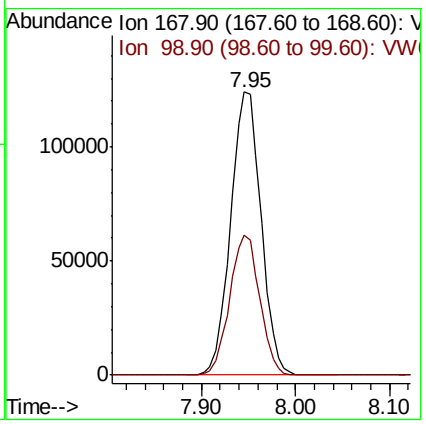


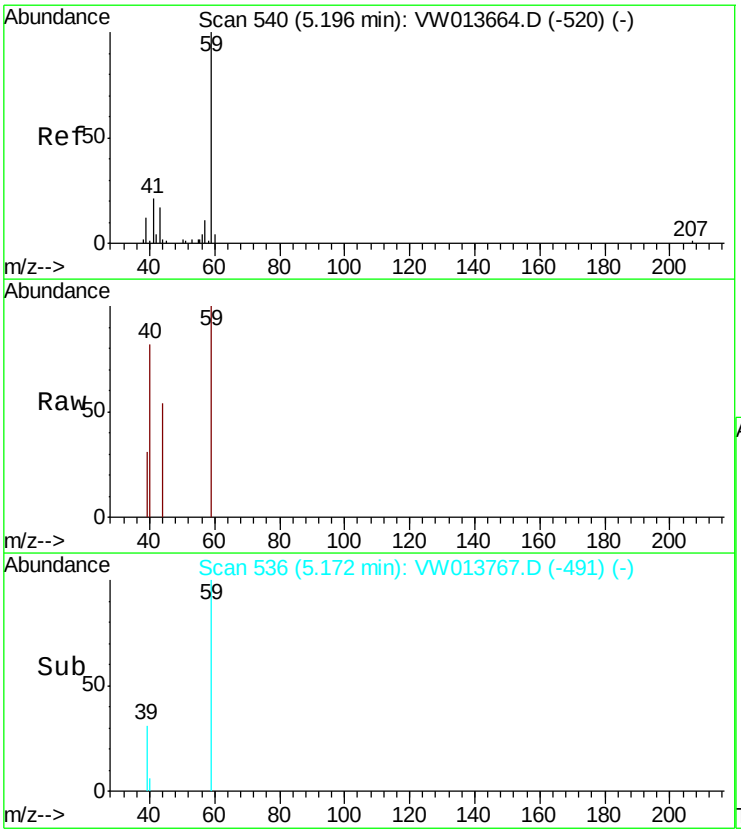

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion:168 Resp: 277099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.5 | 39.0 | 58.6 |

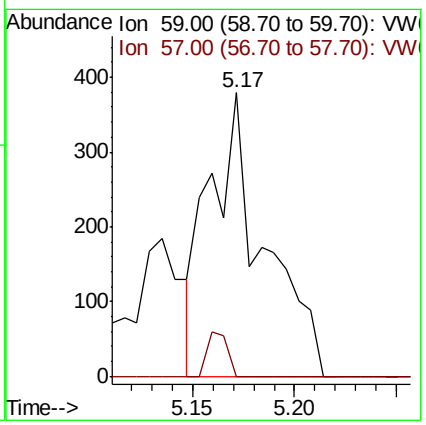


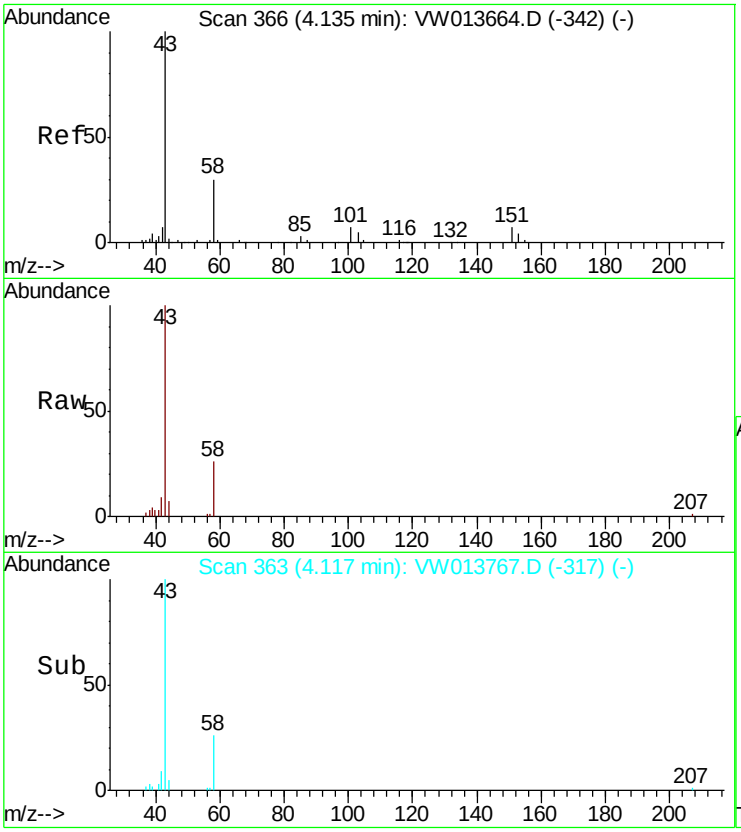




#11
Tert butyl alcohol
Concen: 5.657 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.02 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 59 Resp: 702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 6.0 | 8.8 | 13.2# |



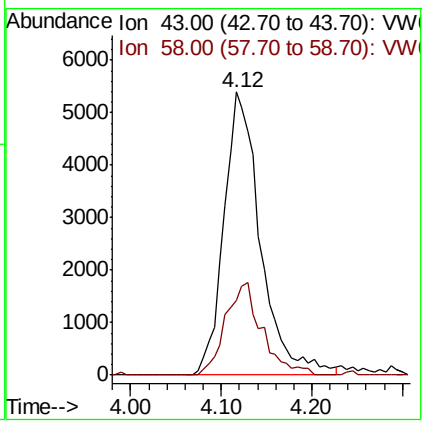


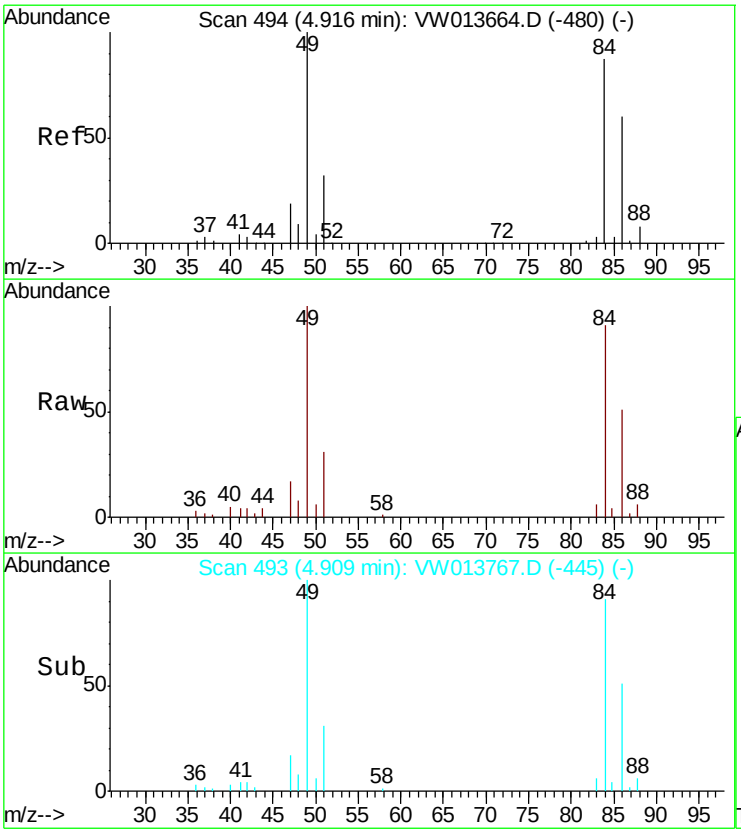

#16
Acetone
Concen: 34.371 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 43 Resp: 15149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.2 | 24.1 | 36.1 |

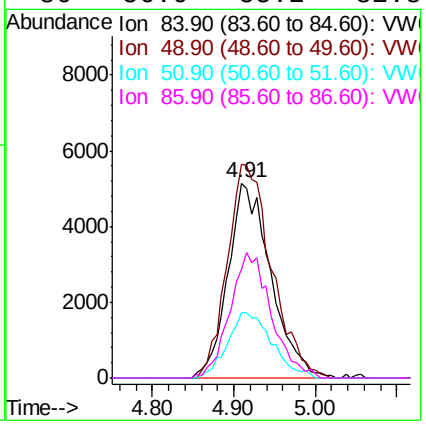


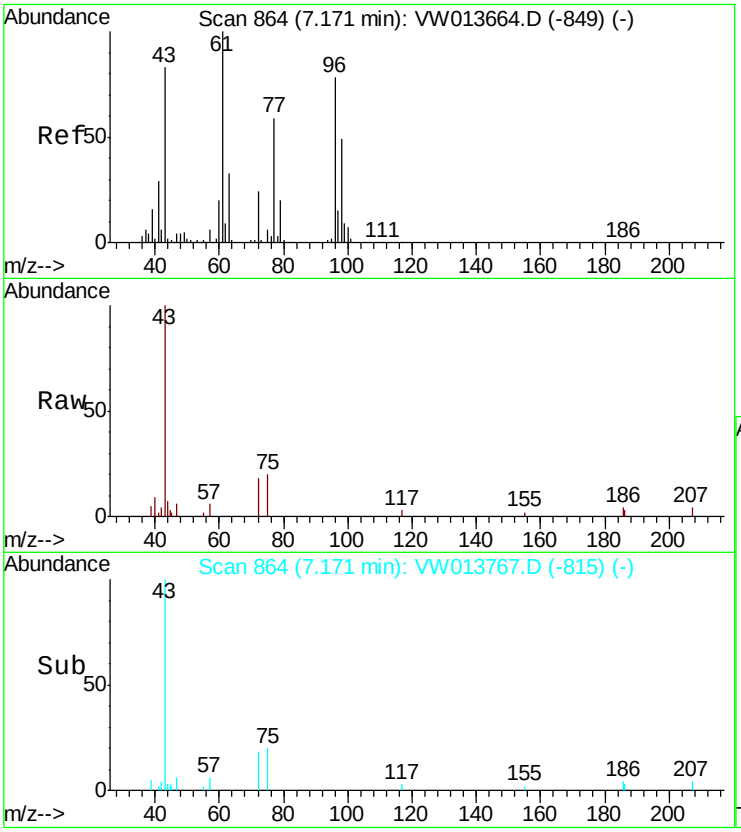




#20
Methylene Chloride
Concen: 3.259 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 84 Resp: 18668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.6 | 91.8 | 137.6 |
| 51 | 33.7 | 29.8 | 44.6 |
| 86 | 56.0 | 55.2 | 82.8 |



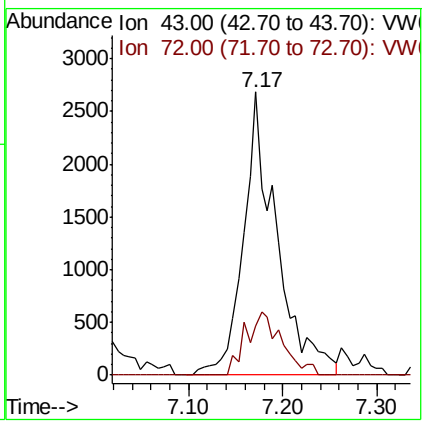


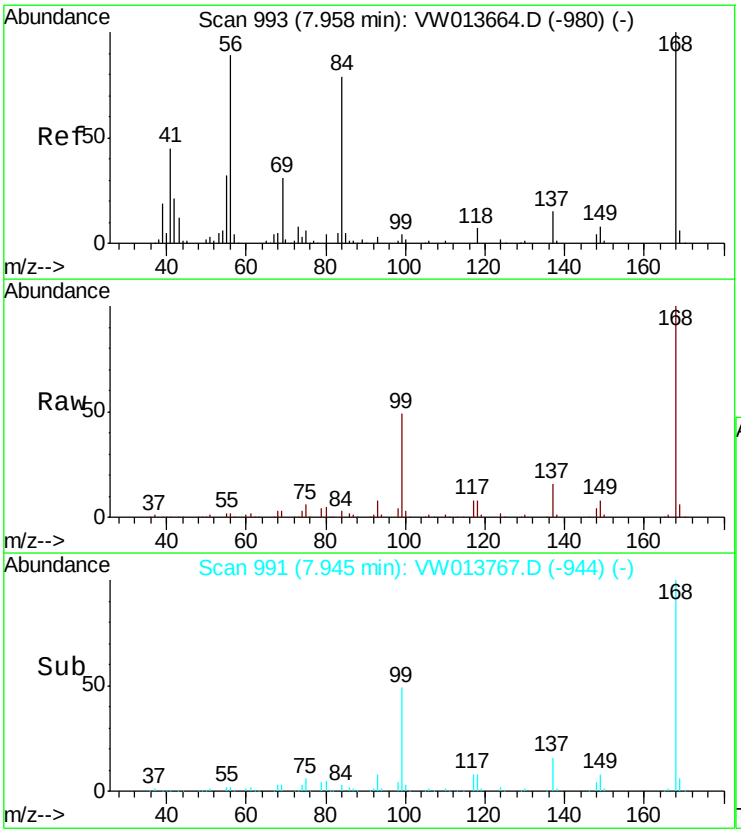

#25
2-Butanone
Concen: 10.360 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 43 Resp: 6565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.5 | 23.6 | 35.4# |

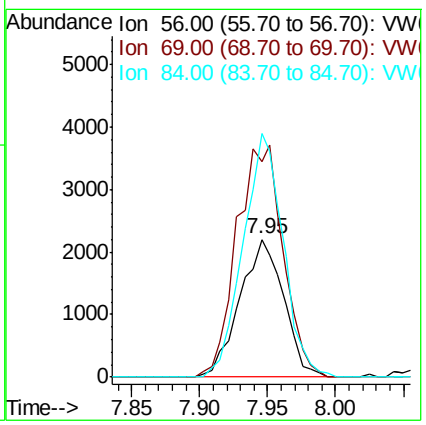


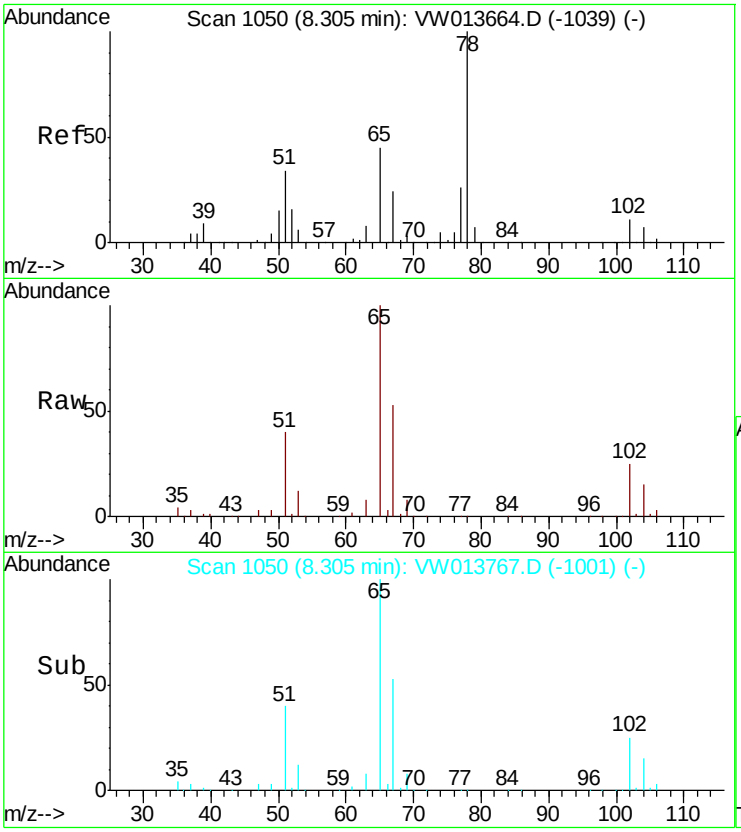




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 56 Resp: 4947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 157.1 | 27.5 | 41.3# |
| 84 | 177.2 | 70.8 | 106.2# |



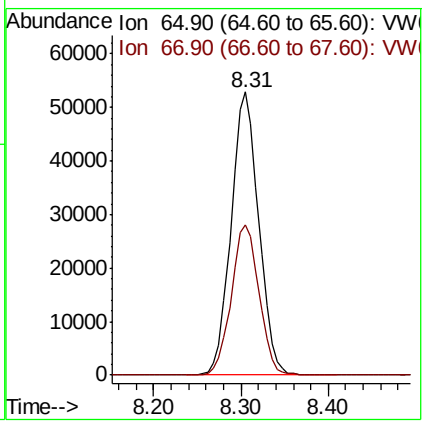


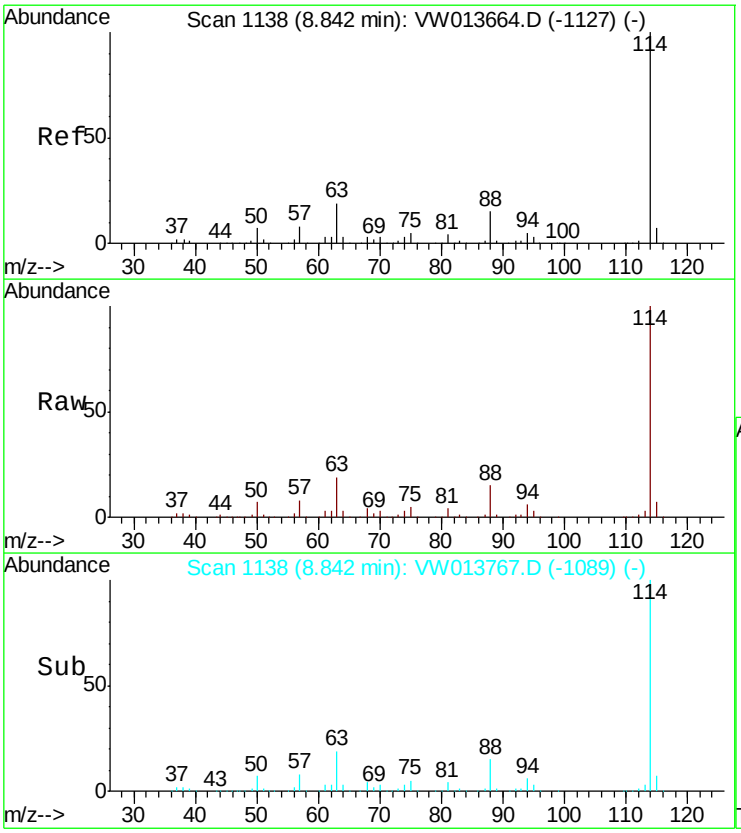

#33
1,2-Dichloroethane-d4
Concen: 55.796 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 65 Resp: 115982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 109.4 |

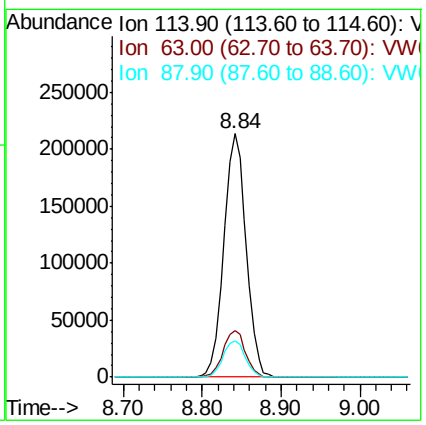


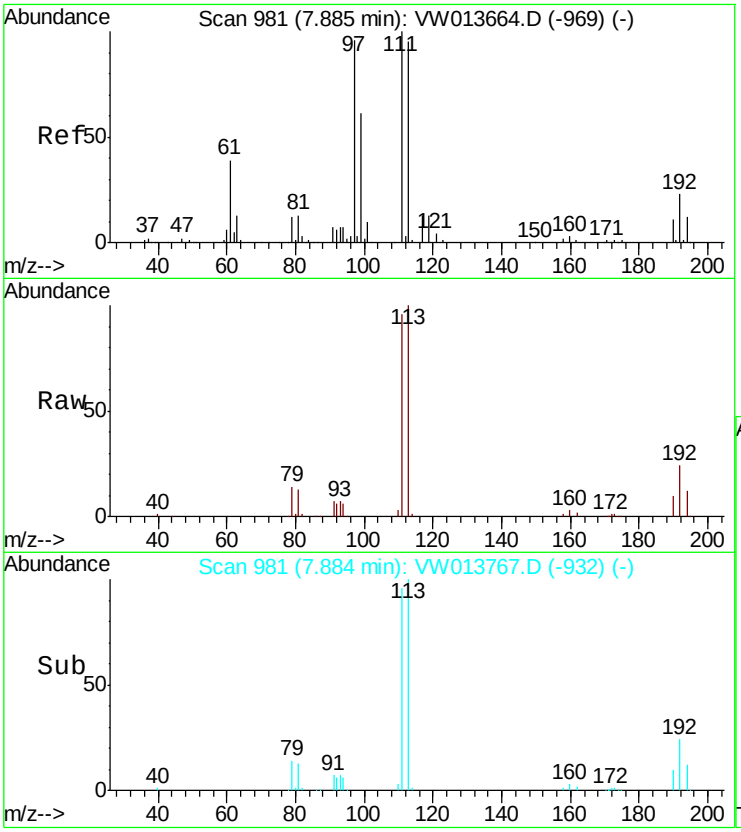




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion:114 Resp: 418067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 37.6 |
| 88 | 15.0 | 0.0 | 30.2 |



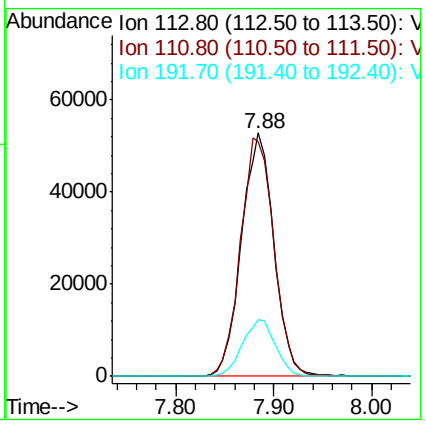


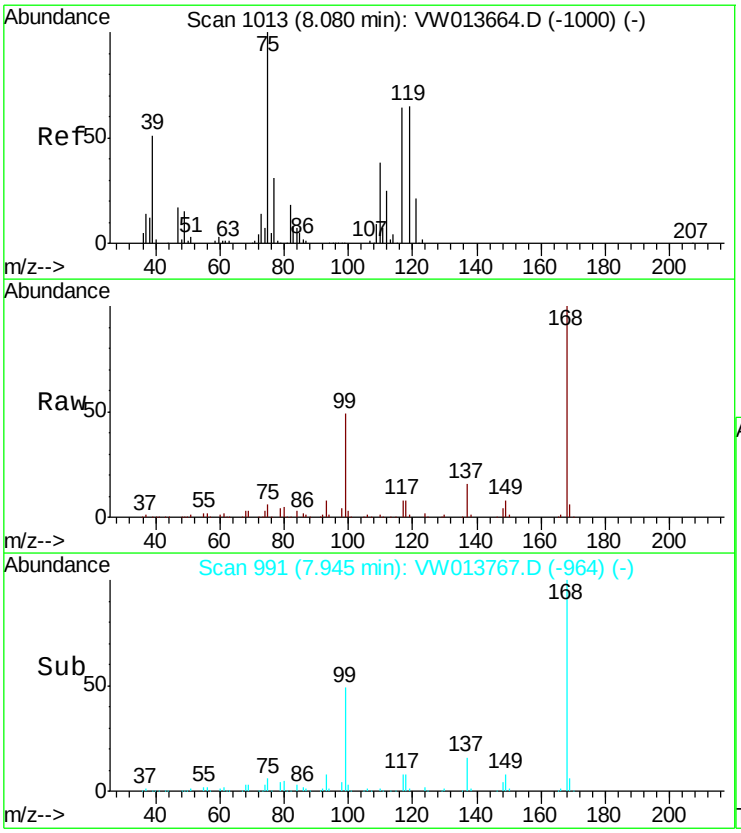

#35
Dibromofluoromethane
Concen: 52.283 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion:113 Resp: 121454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 83.0 | 124.6 |
| 192 | 23.6 | 19.4 | 29.2 |

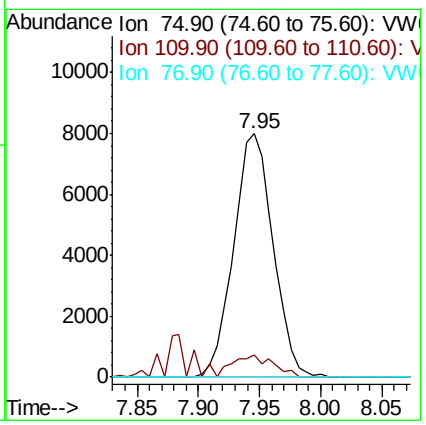


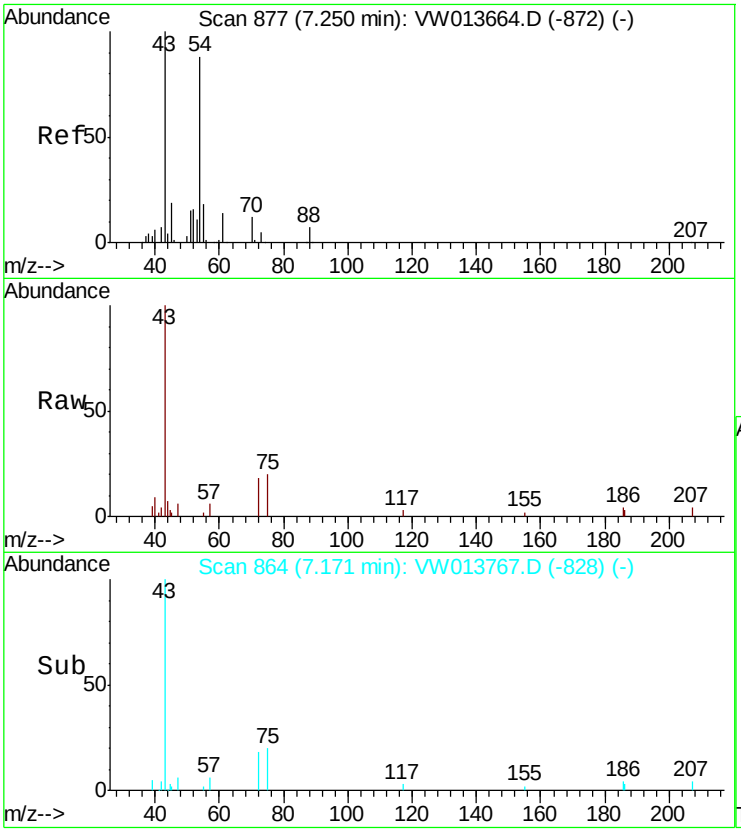




#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 75 Resp: 17855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.2 | 18.7 | 56.1# |
| 77 | 0.0 | 25.4 | 38.0# |



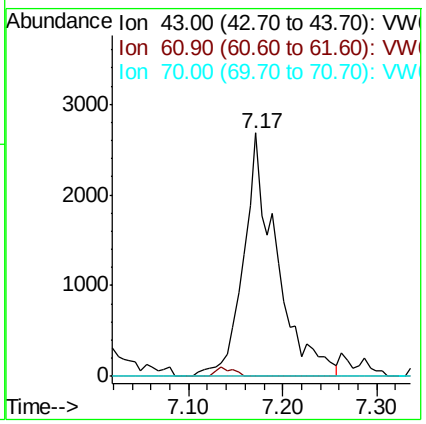


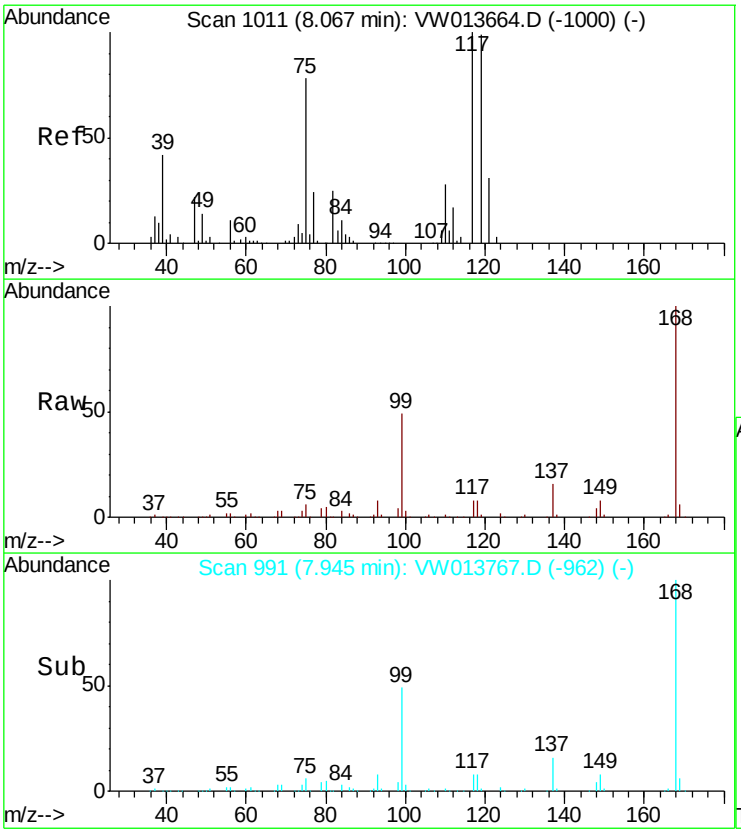

#37
Ethyl Acetate
Concen: 4.405 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 43 Resp: 6565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.7 | 17.5# |
| 70 | 0.0 | 8.8 | 13.2# |

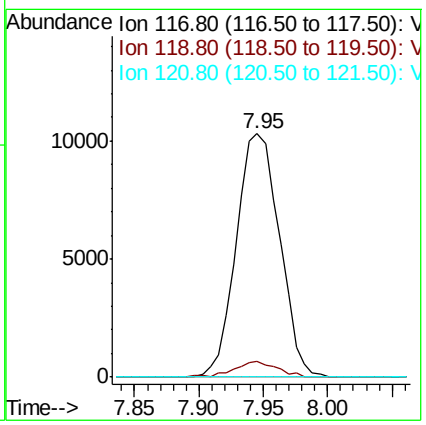


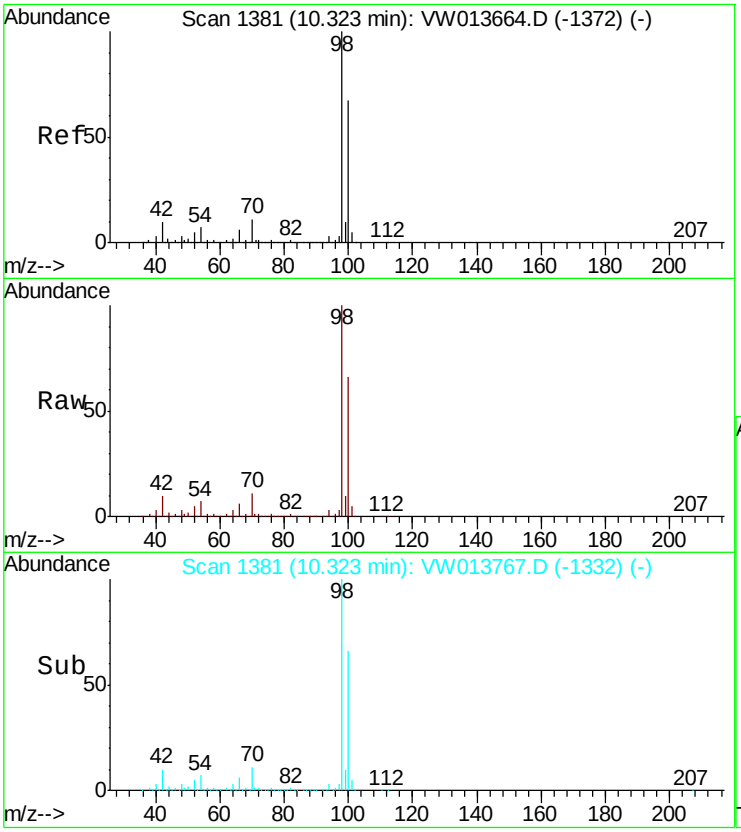




#38
Carbon Tetrachloride
Concen: 6.838 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion:117 Resp: 23976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.6 | 79.0 | 118.4# |
| 121 | 0.0 | 24.5 | 36.7# |



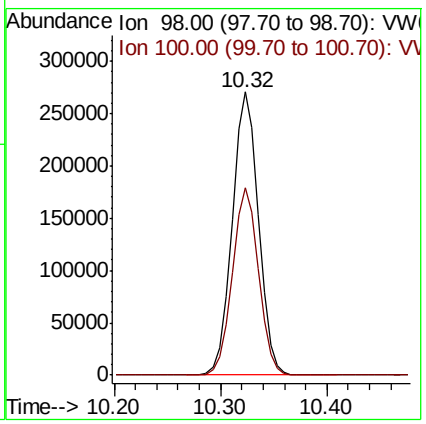


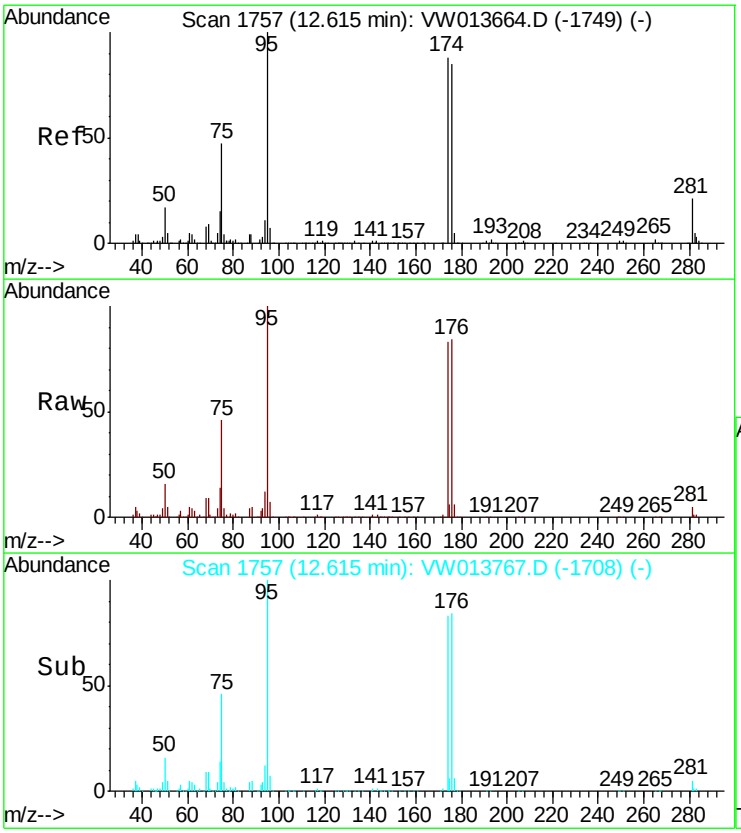

#50
Toluene-d8
Concen: 49.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 98 Resp: 466976

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

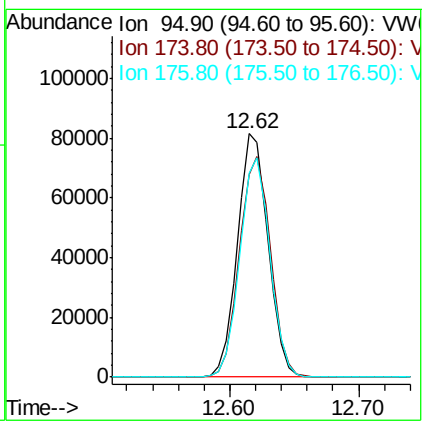


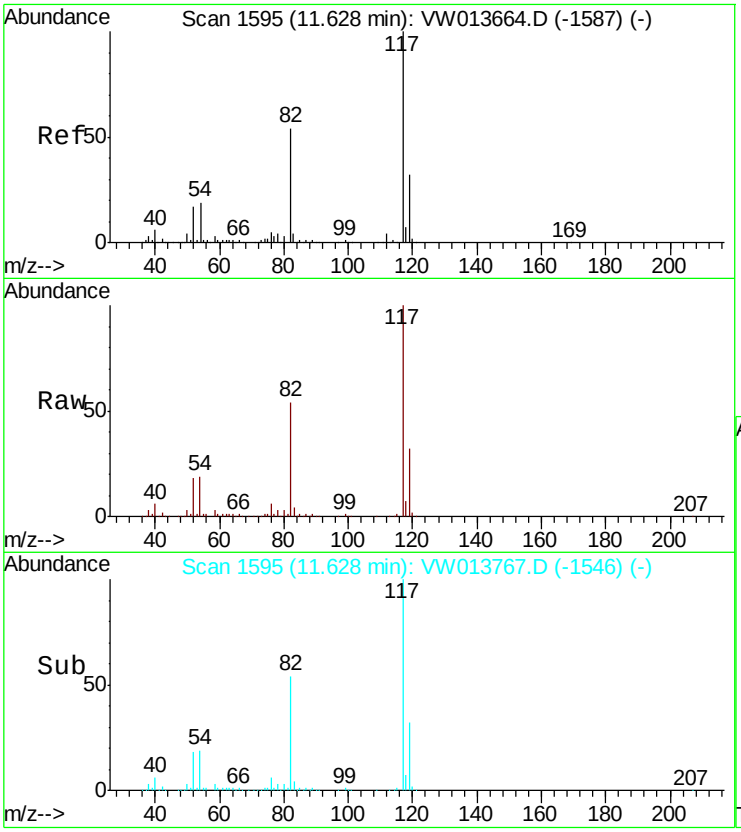




#62
4-Bromofluorobenzene
Concen: 41.562 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 95 Resp: 133211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.0 | 0.0 | 183.6 |
| 176 | 89.1 | 0.0 | 178.0 |



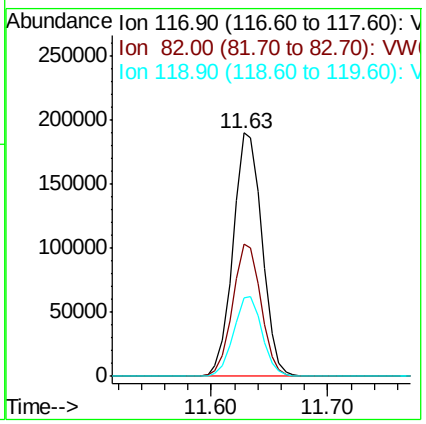


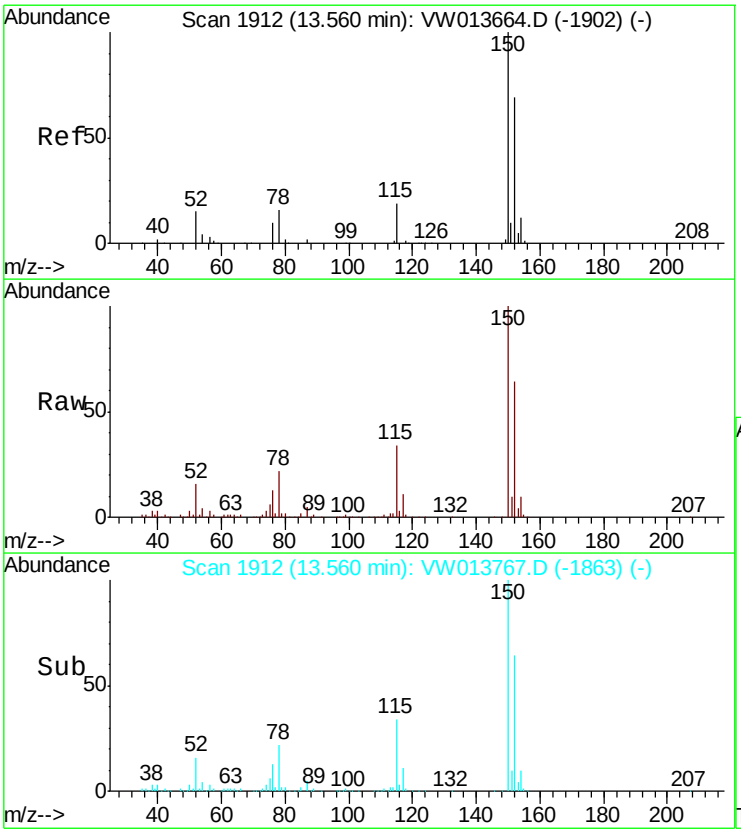

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion:117 Resp: 330199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 43.6 | 65.4 |
| 119 | 32.1 | 25.4 | 38.2 |

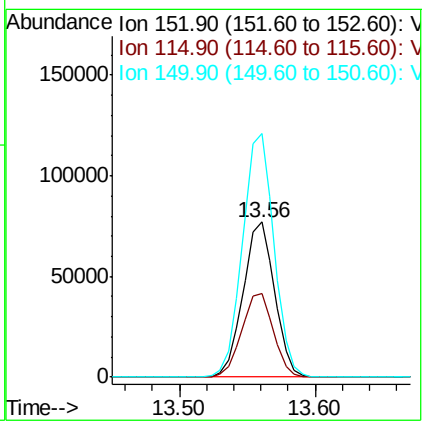


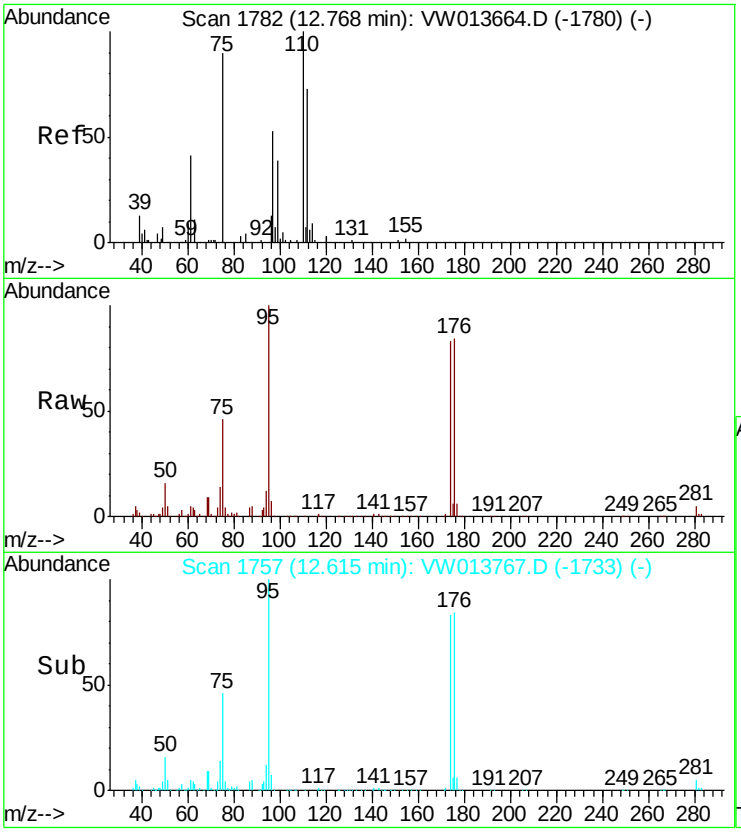




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion:152 Resp: 125012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.2 | 27.4 | 82.2 |
| 150 | 157.0 | 0.0 | 345.4 |



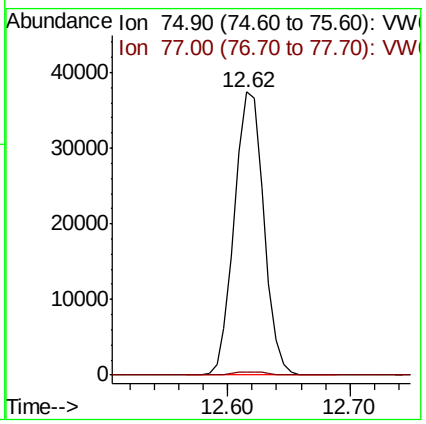


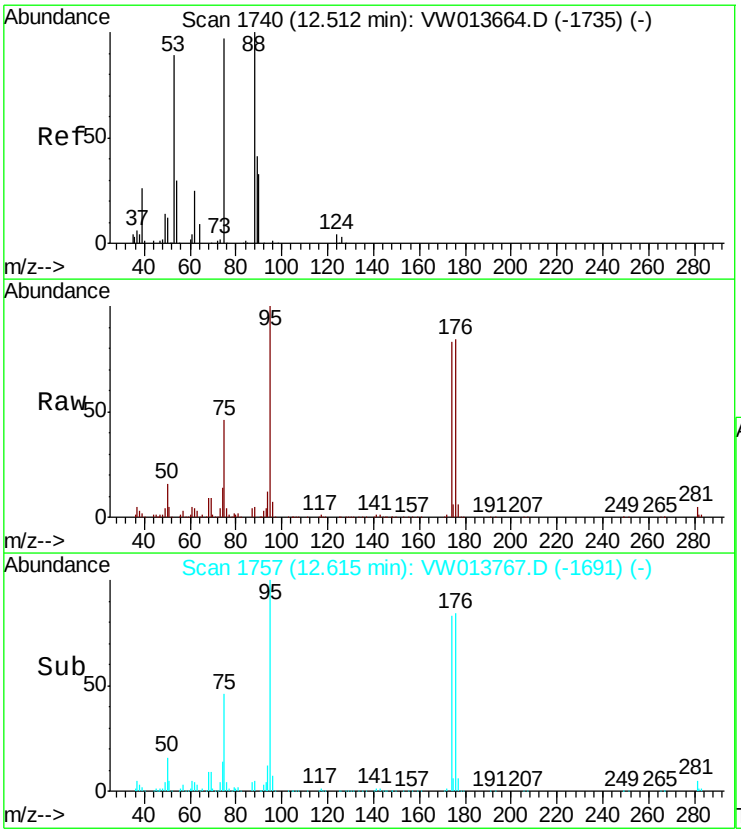

#76
1,2,3-Trichloropropane
Concen: 69.605 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

**Instrument :**
MSVOA_W
**ClientSampleId :**
162-94-(1)

Tgt Ion: 75 Resp: 62489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 131.545 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013767.D
Acq: 28 Oct 2019 15:31

Tgt Ion: 75 Resp: 62489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 71.7 | 107.5# |
| 89 | 0.0 | 35.8 | 53.8# |