Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
Data File : VW010437.D
Acq On : 18 May 2019 04:07
Operator : SY/VA
Sample : K2906-02
Misc : 4.79G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** FESB-12(9.5-10)

Quant Time: May 18 05:08:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260
QLast Update : Sat May 18 01:59:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 656305 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 1241654 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 1085054 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 465665 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 415258 | 57.69 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 115.38% | | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 403788 | 52.65 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.30% | | | | |
| 50) Toluene-d8 | 10.32 | 98 | 1538932 | 53.81 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.62% | | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 572876 | 51.02 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.04% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.00 | 85 | 1061 | Below Cal | | | 94 |
| 3) Chloromethane | 2.21 | 50 | 1081 | Below Cal | # | | 59 |
| 5) Bromomethane | 2.75 | 94 | 218 | Below Cal | | | 84 |
| 13) Acrolein | 3.86 | 56 | 292 | Below Cal | | | 90 |
| 16) Acetone | 4.13 | 43 | 23109 | 18.226 | ug/l | | 90 |
| 20) Methylene Chloride | 4.91 | 84 | 35670 | 1.662 | ug/l | | 96 |
| 31) Cyclohexane | 7.95 | 56 | 15702 | Below Cal | # | | 11 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 53164 | 4.836 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 72102 | 6.078 | ug/l | # | 16 |
| 49) 1,4-Dioxane | 9.57 | 88 | 70 | 1.043 | ug/l | # | 1 |
| 52) Toluene | 10.39 | 92 | 213035 | 10.225 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 272895 | 54.727 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 272895 | 107.995 | ug/l | # | 14 |

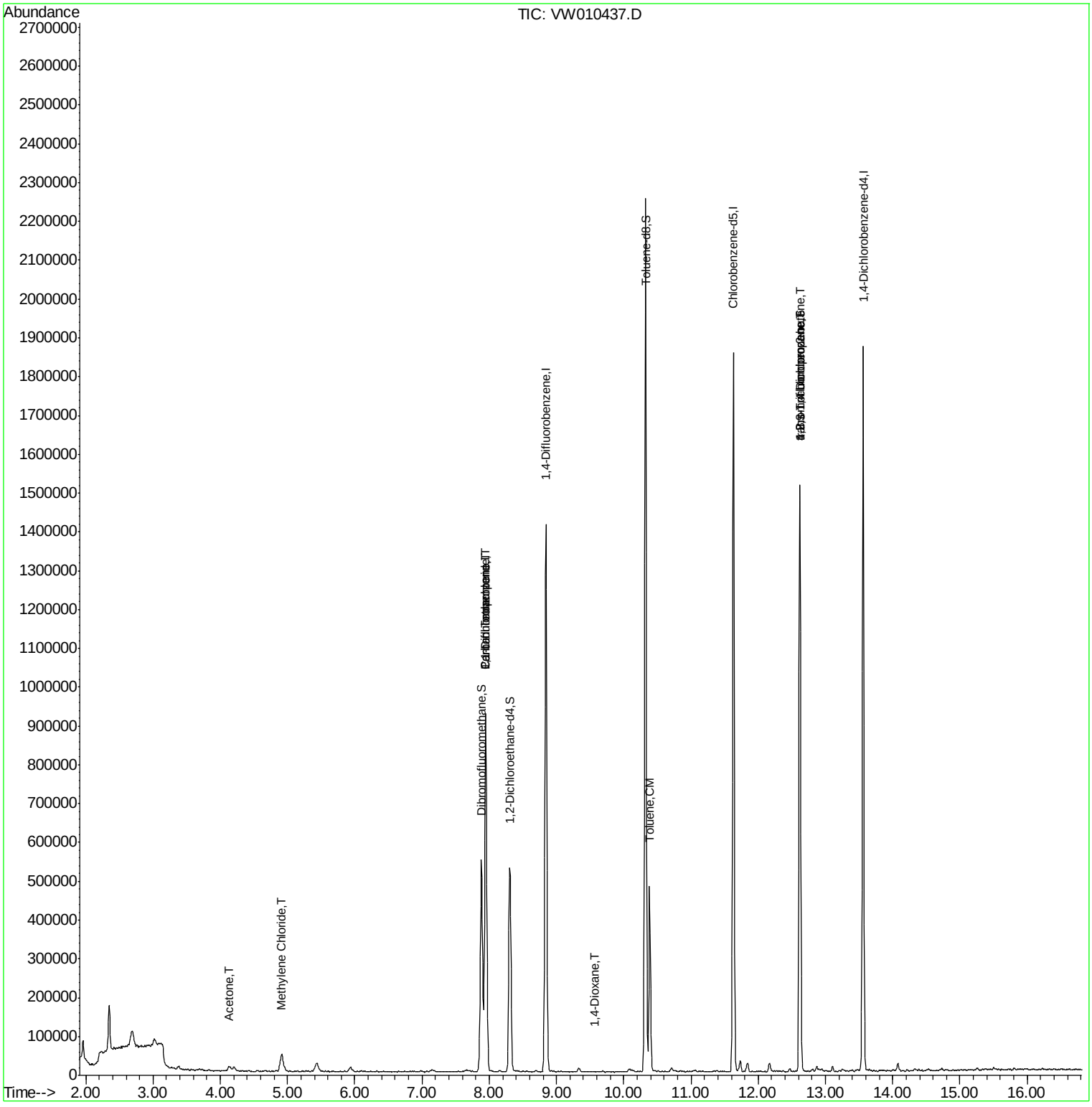
(#) = qualifier out of range (m) = manual integration (+) = signals summed

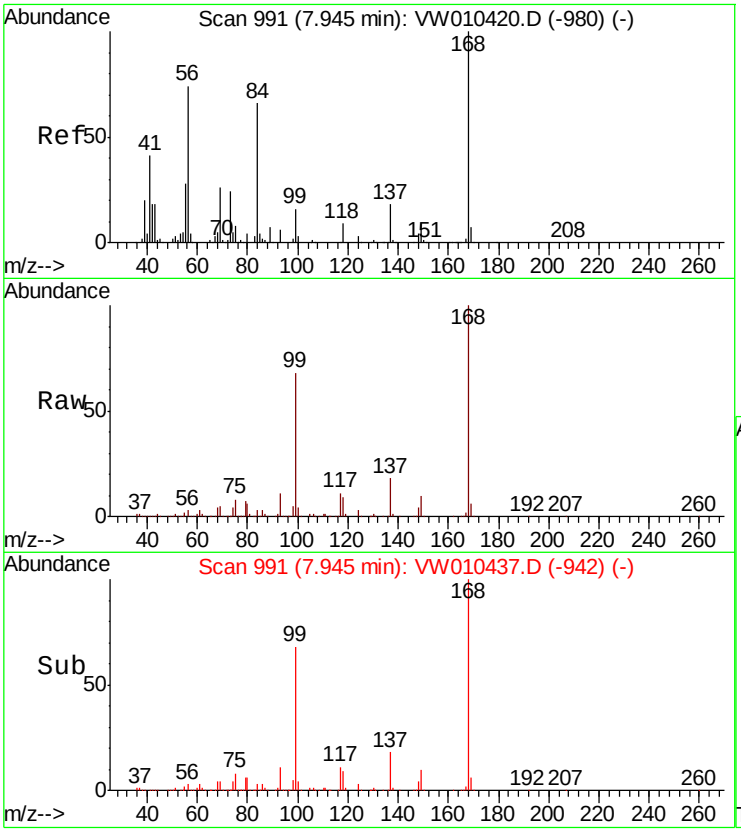
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
Data File : VW010437.D
Acq On : 18 May 2019 04:07
Operator : SY/VA
Sample : K2906-02
Misc : 4.79G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Quant Time: May 18 05:08:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260
QLast Update : Sat May 18 01:59:40 2019
Response via : Initial Calibration



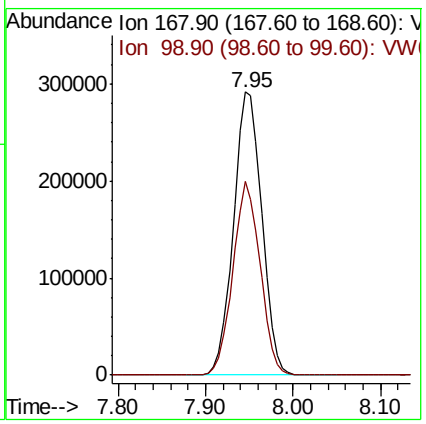


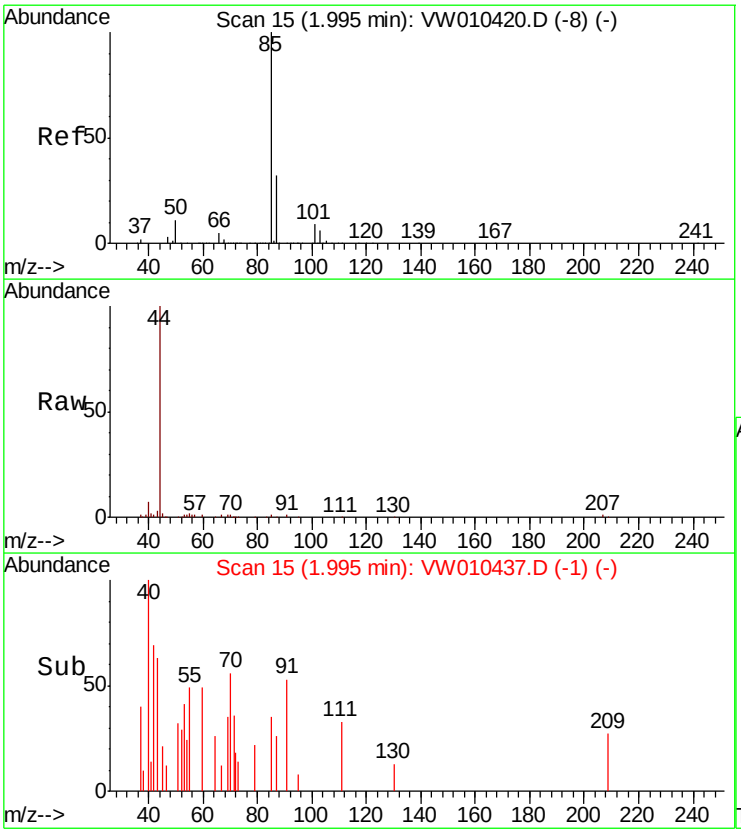

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion:168 Resp: 656305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.3 | 50.8 | 76.2 |

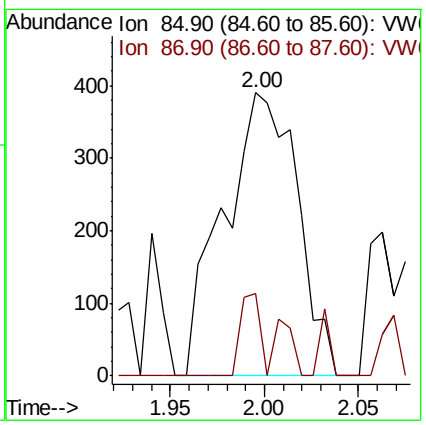


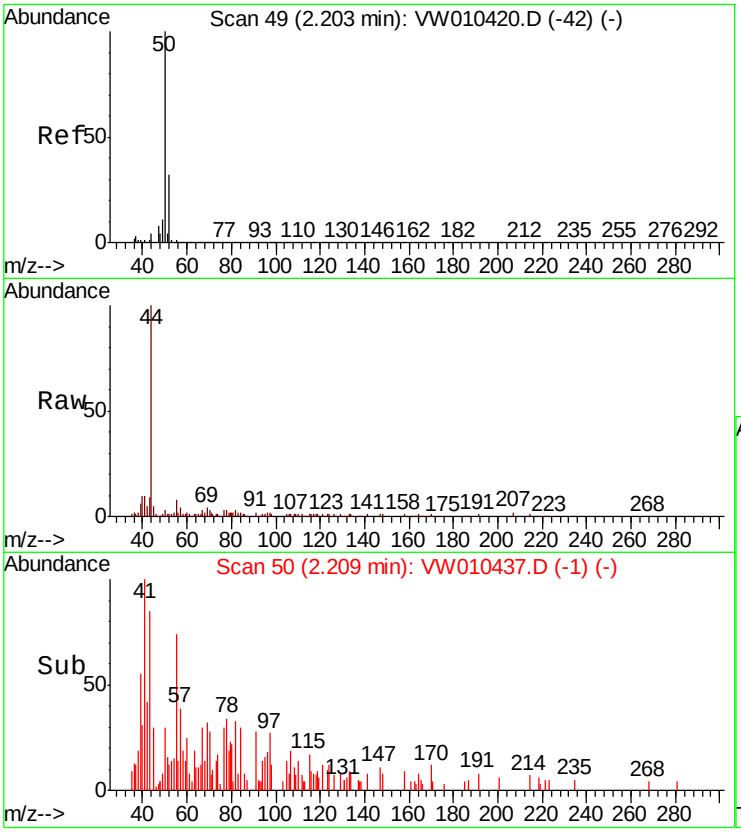




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.00 min Scan# 15
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 85 Resp: 1061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.0 | 16.2 | 48.5 |



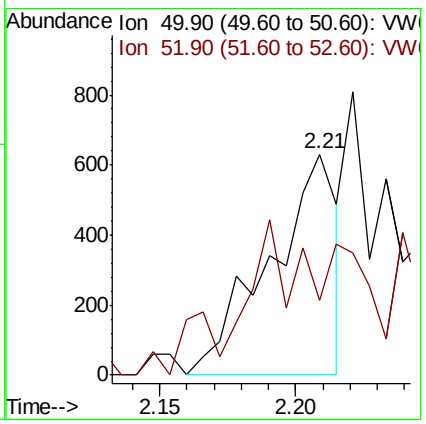


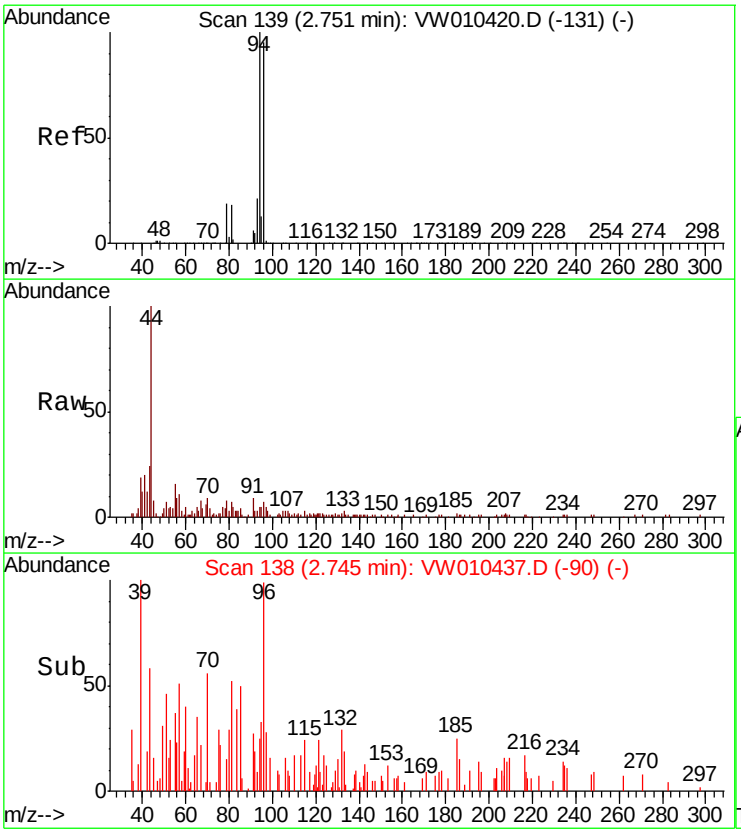

#3
Chloromethane
Concen: Below Cal
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :** MSVOA_W
**ClientSampleId :** FESB-12(9.5-10)

Tgt Ion: 50 Resp: 1081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 8.9 | 25.4 | 38.0# |

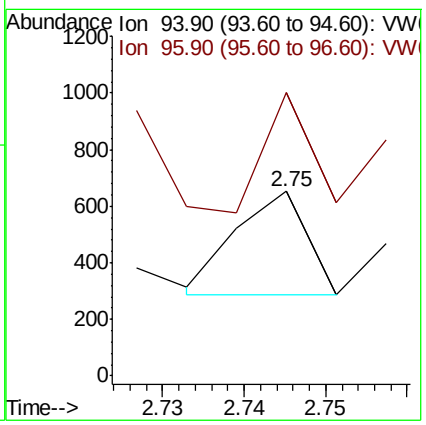


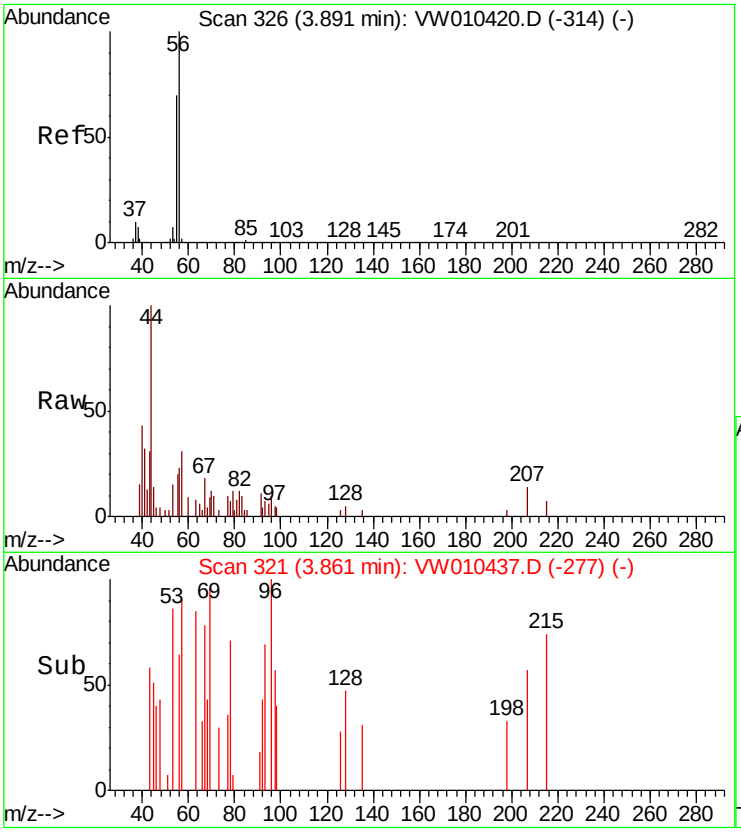




#5
Bromomethane
Concen: Below Cal
RT: 2.75 min Scan# 138
Delta R.T. -0.01 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 94 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 110.2 | 75.8 | 113.6 |



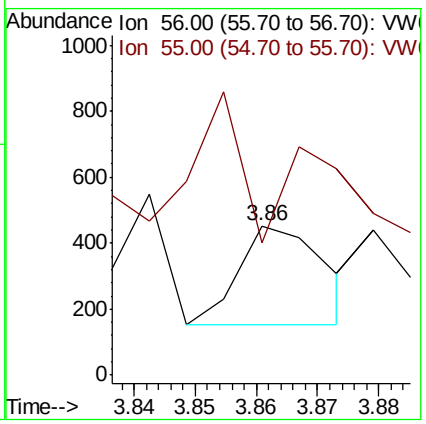


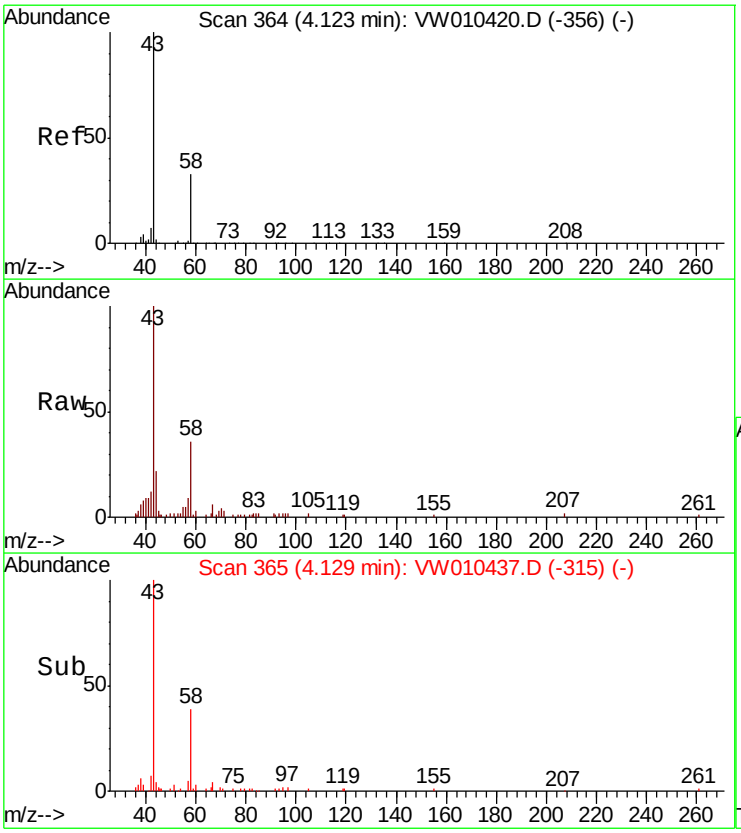

#13
Acrolein
Concen: Below Cal
RT: 3.86 min Scan# 321
Delta R.T. -0.03 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :** MSVOA_W
**ClientSampleId :** FESB-12(9.5-10)

Tgt Ion: 56 Resp: 292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.5 | 57.6 | 86.4 |

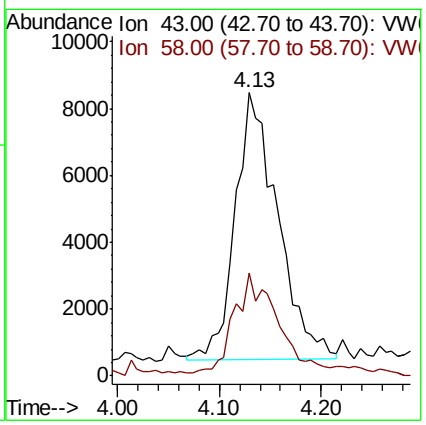


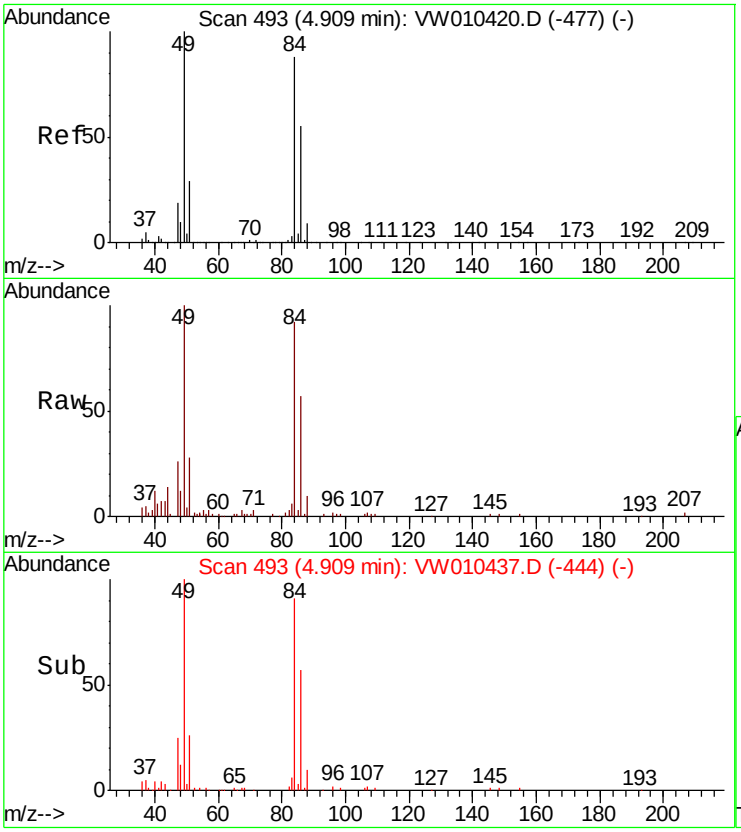




#16
Acetone
Concen: 18.226 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 43 Resp: 23109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 26.0 | 39.0 |



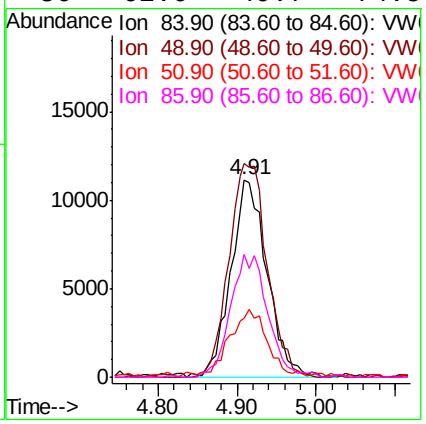


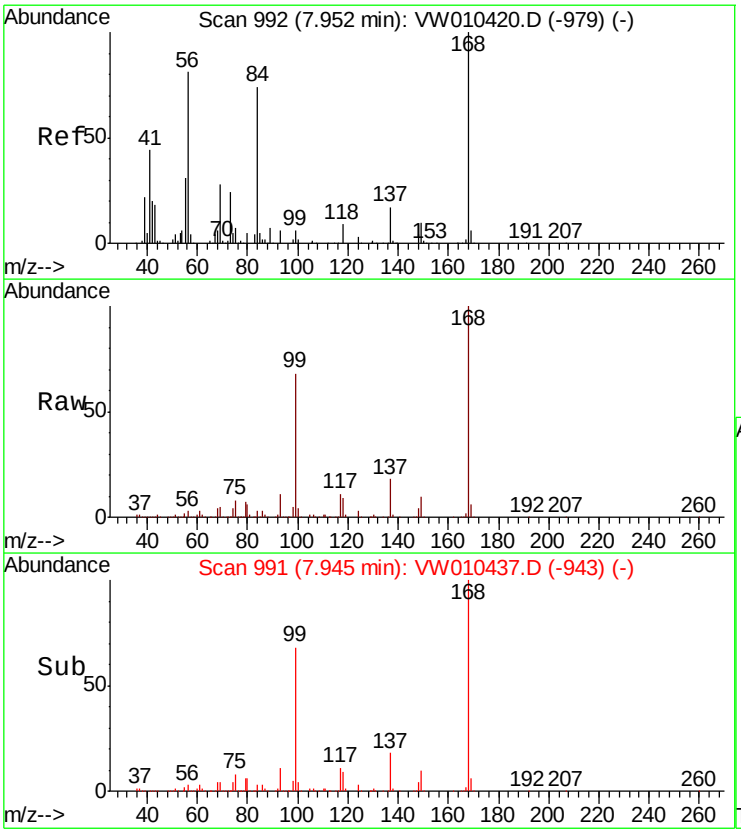

#20
Methylene Chloride
Concen: 1.662 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion: 84 Resp: 35670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.3 | 90.6 | 135.8 |
| 51 | 29.2 | 26.6 | 40.0 |
| 86 | 62.0 | 49.7 | 74.5 |

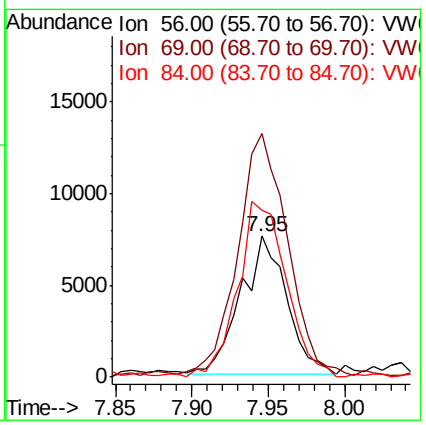


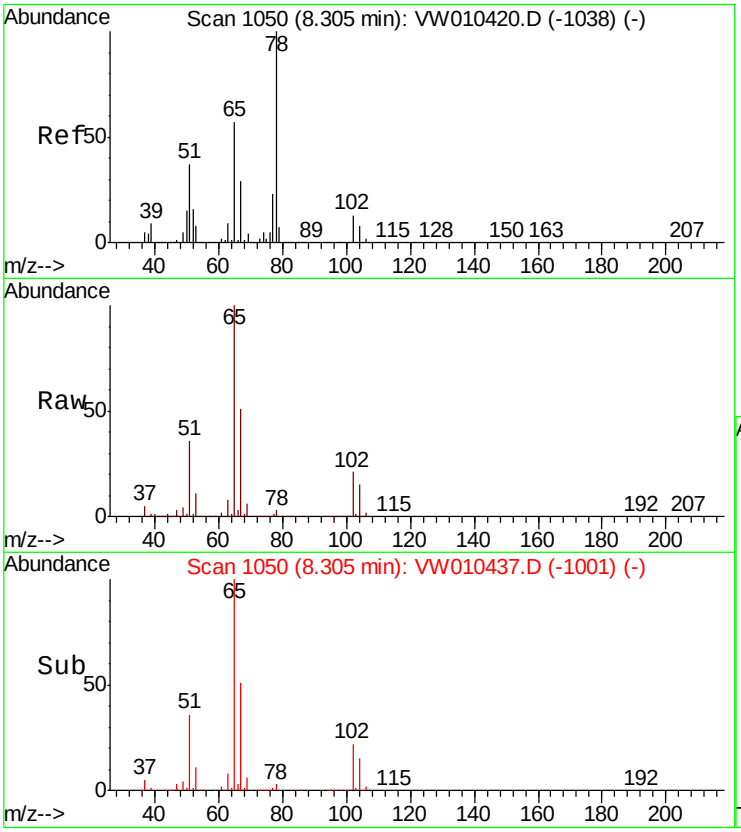




#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 56 Resp: 15702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 173.1 | 27.6 | 41.4# |
| 84 | 121.5 | 72.9 | 109.3# |



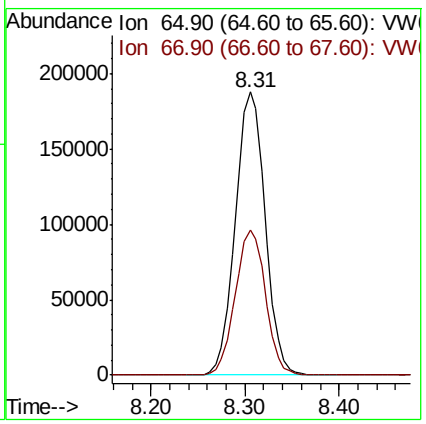


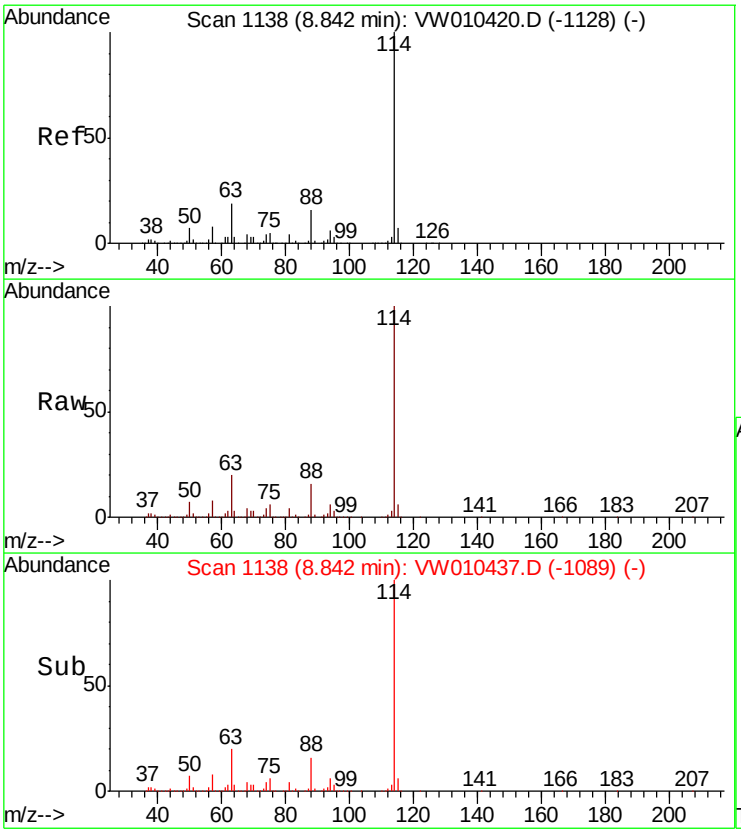

#33
1,2-Dichloroethane-d4
Concen: 57.692 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :** MSVOA_W
**ClientSampleId :** FESB-12(9.5-10)

Tgt Ion: 65 Resp: 415258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 104.2 |

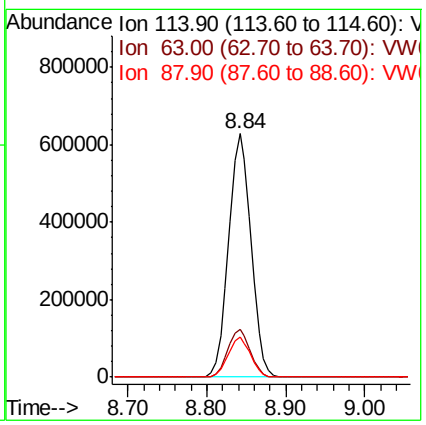


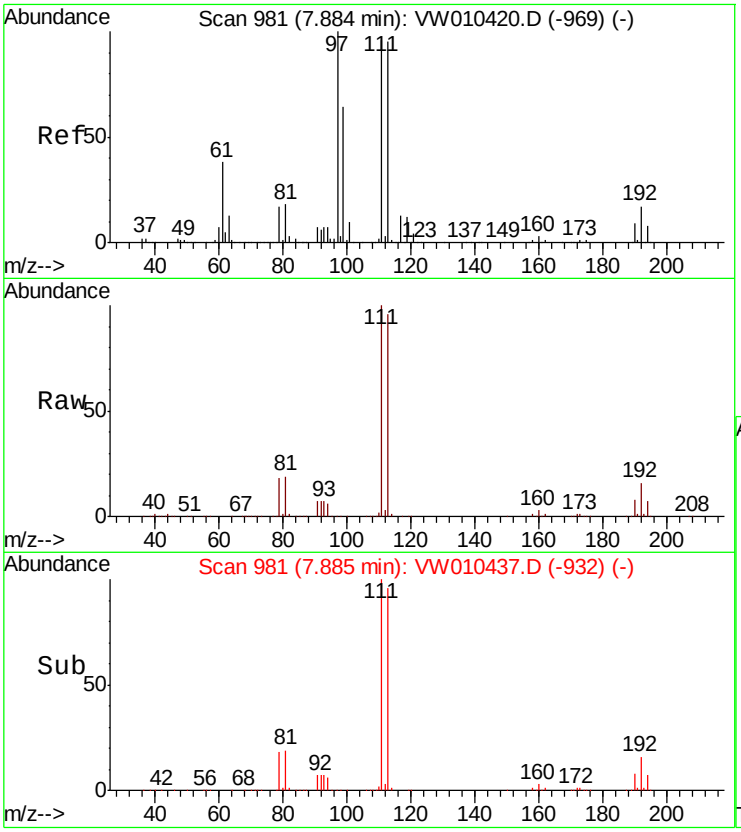




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion:114 Resp: 1241654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.6 | 0.0 | 38.8 |
| 88 | 16.3 | 0.0 | 31.6 |



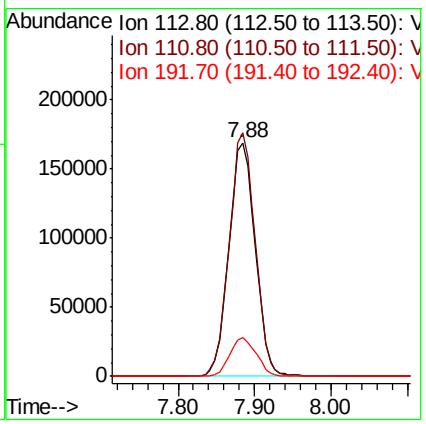


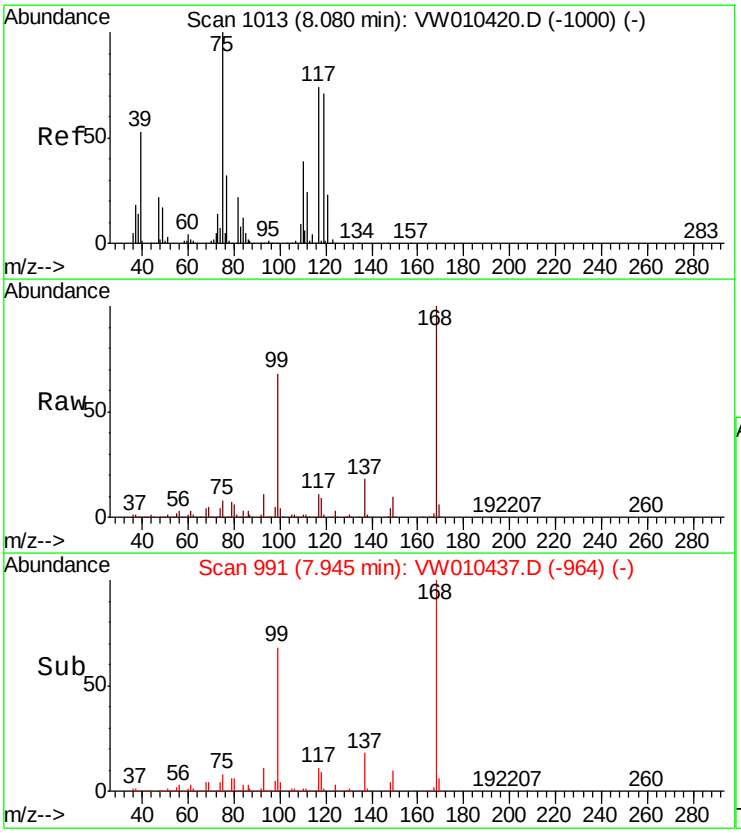

#35
Dibromofluoromethane
Concen: 52.653 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion:113 Resp: 403788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.5 | 123.7 |
| 192 | 16.5 | 14.2 | 21.4 |

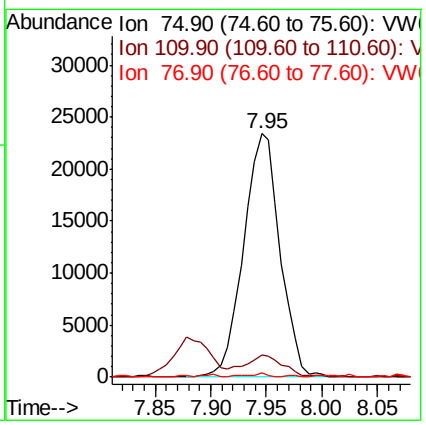


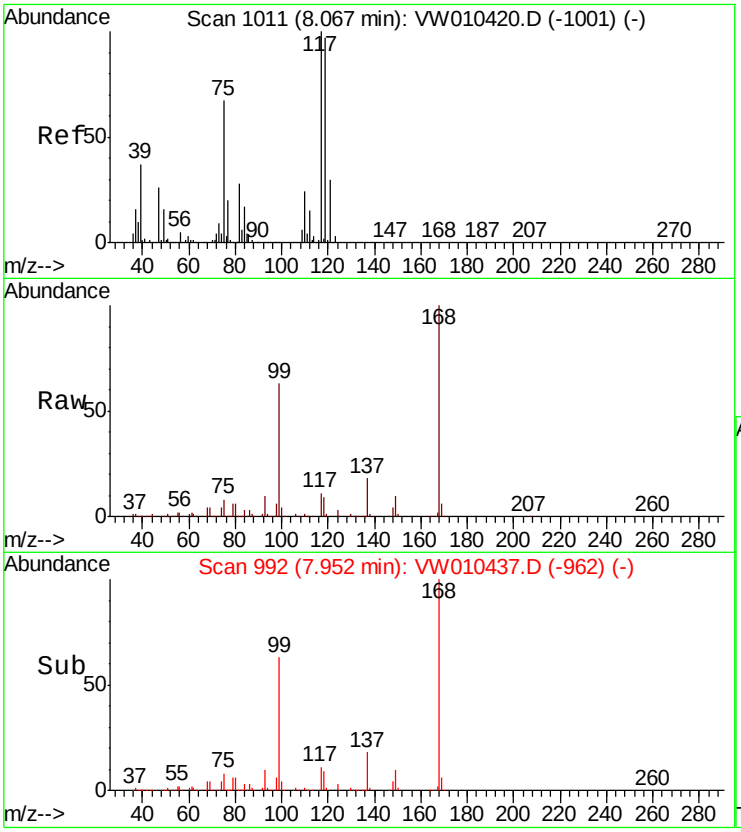




#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 75 Resp: 53164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.6 | 19.4 | 58.1# |
| 77 | 0.8 | 24.7 | 37.1# |



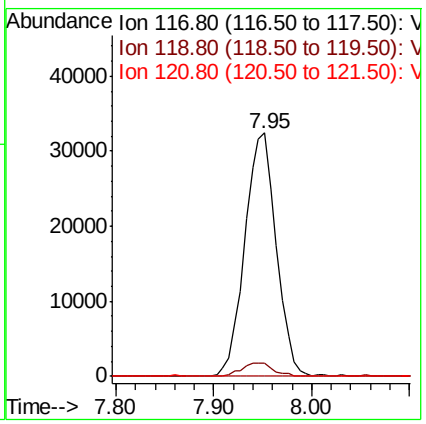


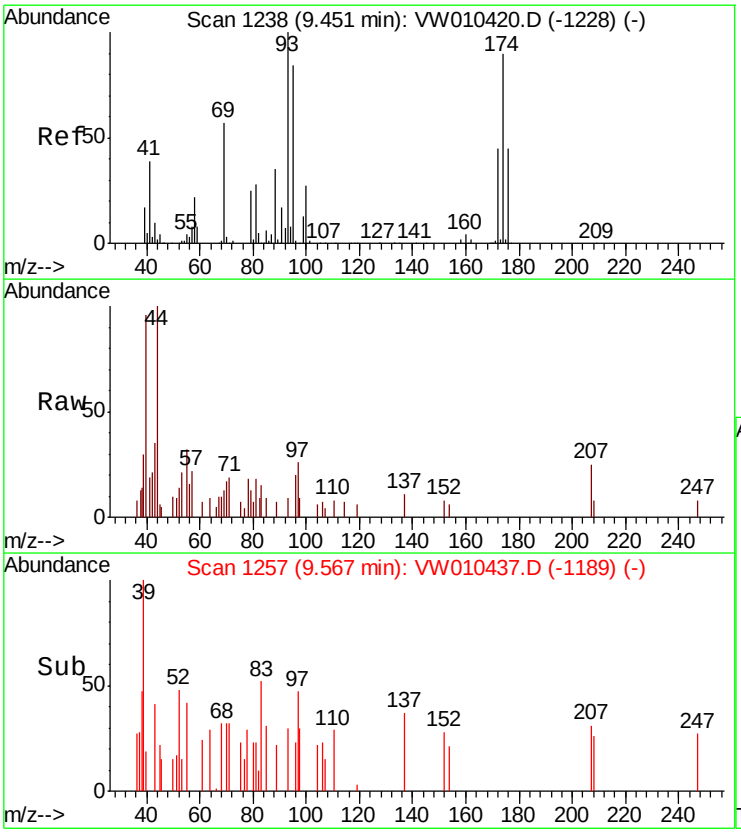

#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion:117 Resp: 72102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 77.8 | 116.6# |
| 121 | 0.0 | 24.2 | 36.2# |

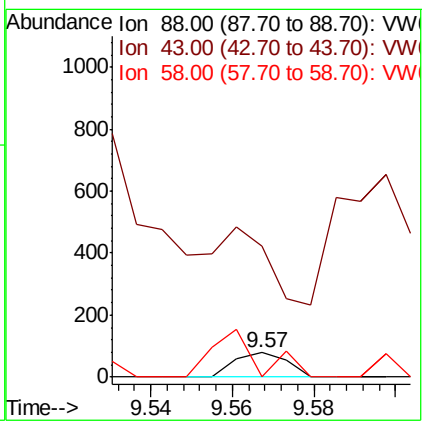


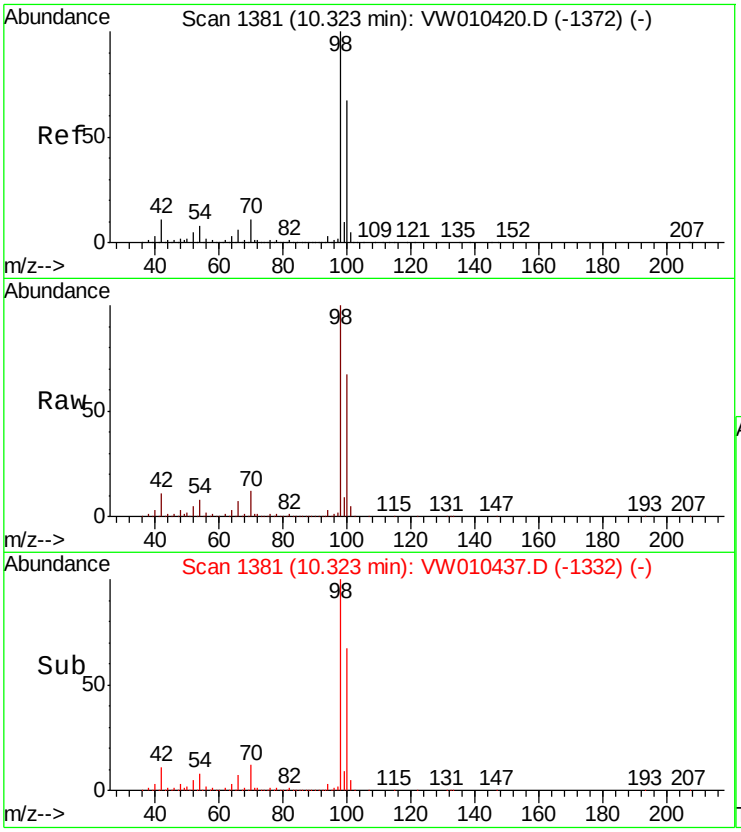




#49
1,4-Dioxane
Concen: 1.043 ug/l
RT: 9.57 min Scan# 1257
Delta R.T. 0.12 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 88 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 24.9 | 37.3# |
| 58 | 175.7 | 55.0 | 82.6# |



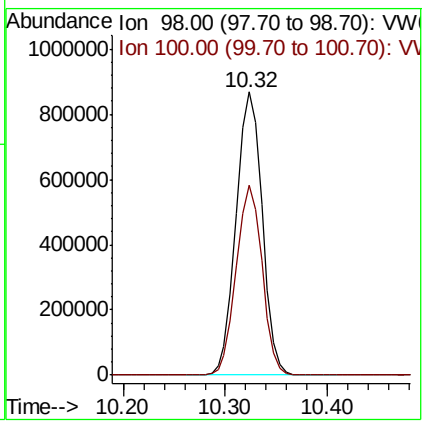


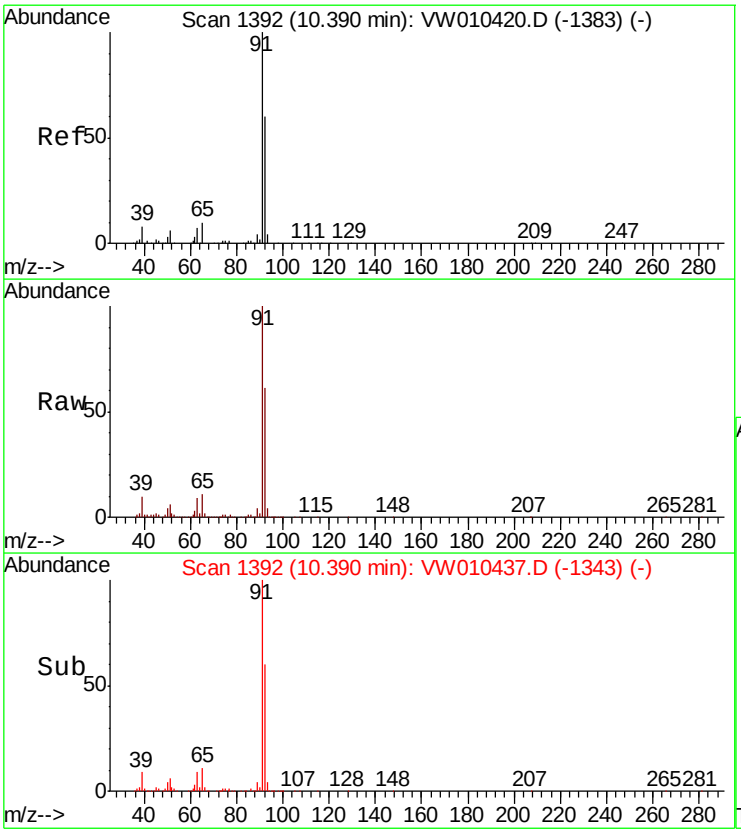

#50
Toluene-d8
Concen: 53.813 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion: 98 Resp: 1538932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.3 | 79.9 |

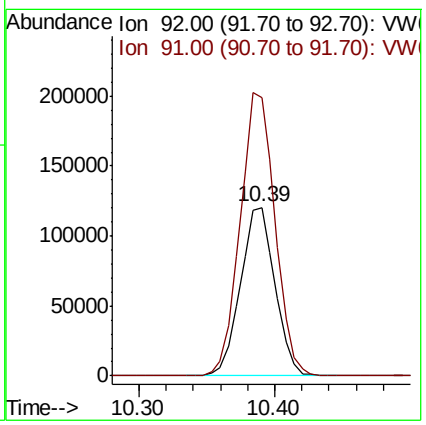


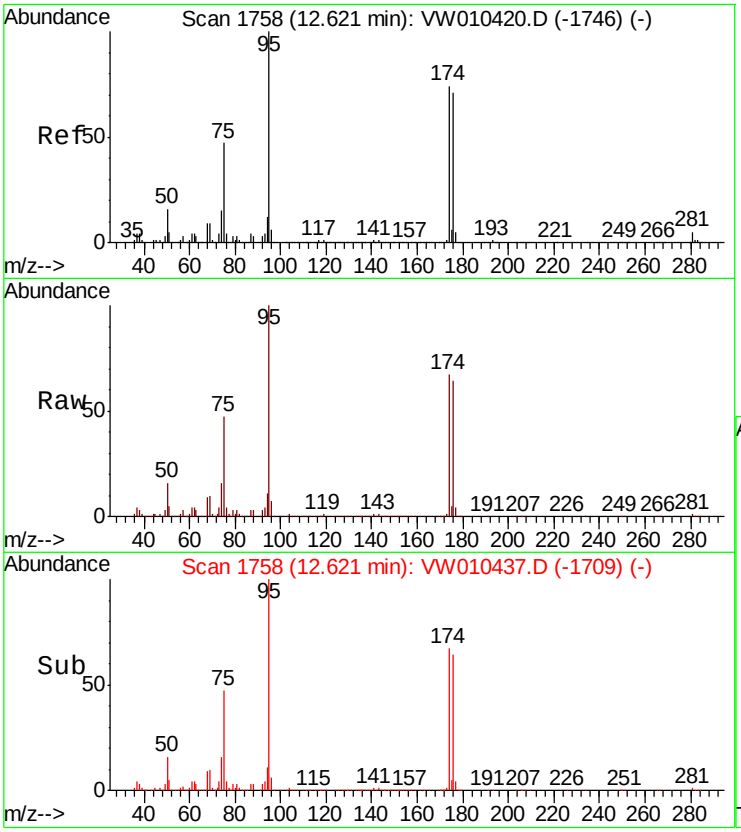




#52
Toluene
Concen: 10.225 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 92 Resp: 213035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.1 | 135.4 | 203.0 |



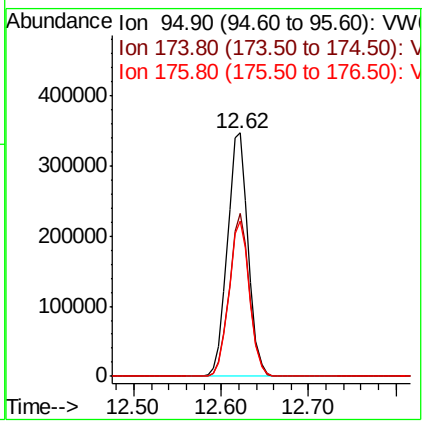


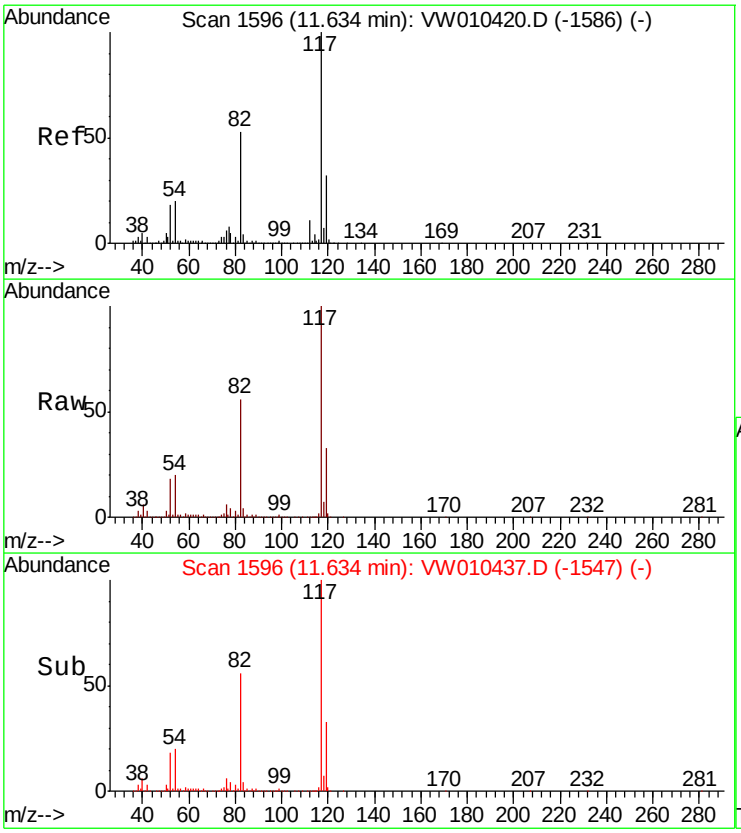

#62
4-Bromofluorobenzene
Concen: 51.023 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion: 95 Resp: 572876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.1 | 0.0 | 146.6 |
| 176 | 63.1 | 0.0 | 141.4 |

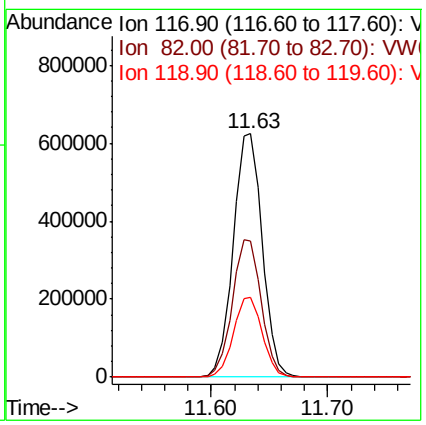


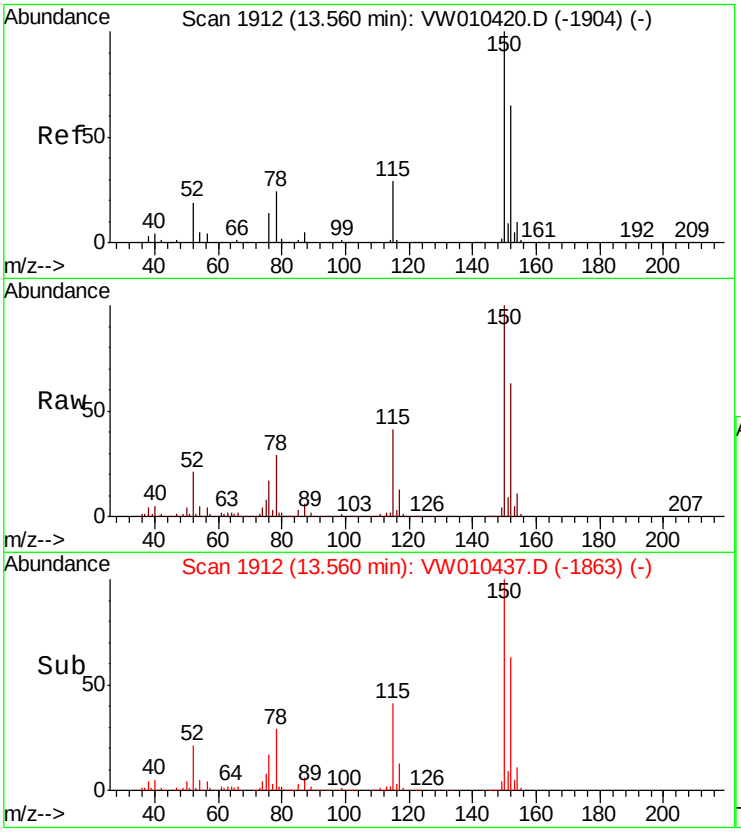




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion:117 Resp: 1085054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 42.1 | 63.1 |
| 119 | 32.7 | 25.6 | 38.4 |



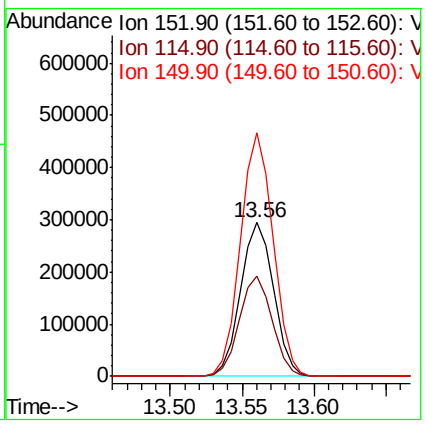


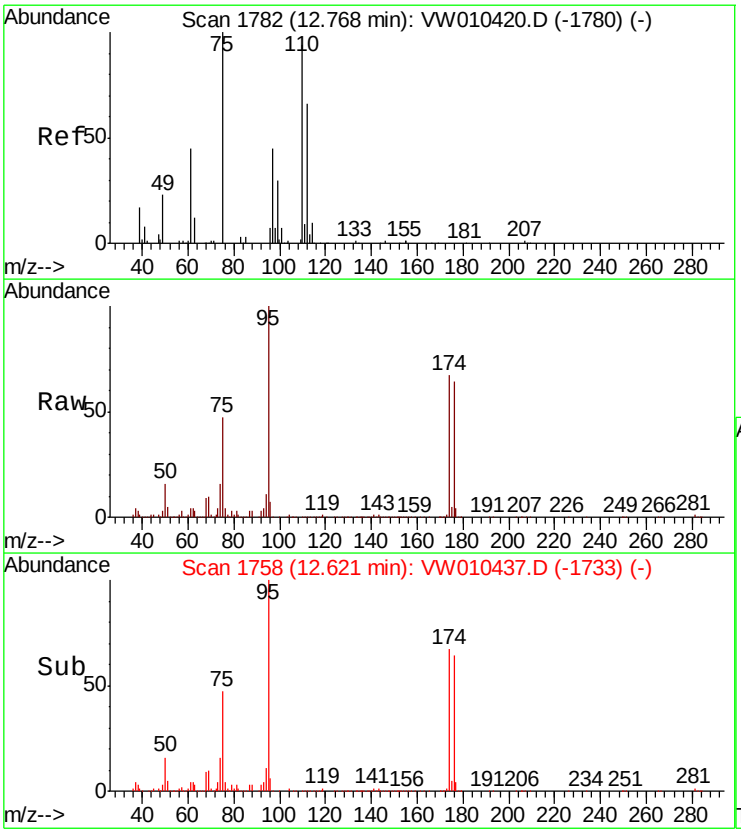

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion:152 Resp: 465665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.2 | 30.0 | 90.1 |
| 150 | 157.6 | 0.0 | 350.2 |

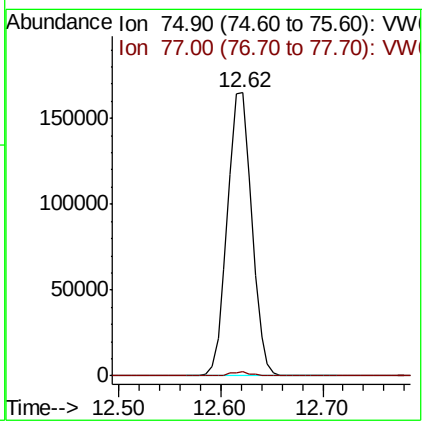


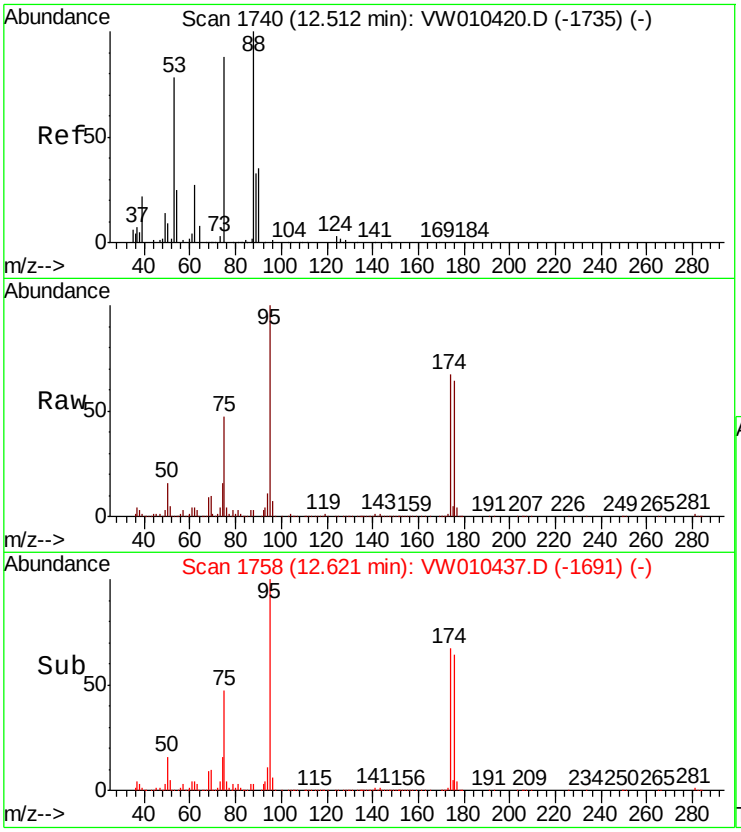




#76
1,2,3-Trichloropropane
Concen: 54.727 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

Tgt Ion: 75 Resp: 272895

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






#81
trans-1,4-Dichloro-2-butene
Concen: 107.995 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010437.D
Acq: 18 May 2019 04:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
FESB-12(9.5-10)

Tgt Ion: 75 Resp: 272895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 70.7 | 106.1# |
| 89 | 0.0 | 38.6 | 58.0# |