Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000969.D
Acq On : 25 Jan 2018 00:48
Operator : JC/SY
Sample : J1288-06
Misc : 7.40G/5.0ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** EPE-108-4(95-97)

Quant Time: Jan 25 04:47:28 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 105381 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 181002 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.65 | 117 | 91416 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 9474 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 80685 | 79.88 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 159.76% | | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 79707 | 71.88 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 143.76% | | | | |
| 50) Toluene-d8 | 10.34 | 98 | 180293 | 41.24 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 82.48% | | | | |
| 62) 4-Bromofluorobenzene | 12.63 | 95 | 19460 | 12.22 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 24.44% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.22 | 50 | 1073 | 1.19 | ug/l | | 95 |
| 5) Bromomethane | 2.73 | 94 | 1258 | 2.27 | ug/l | | 86 |
| 10) Methyl Iodide | 4.26 | 142 | 3360 | 7.74 | ug/l | # | 88 |
| 11) Tert butyl alcohol | 5.13 | 59 | 28544 | 260.59 | ug/l | # | 82 |
| 16) Acetone | 4.13 | 43 | 10050 | 39.06 | ug/l | | 95 |
| 18) Methyl Acetate | 4.67 | 43 | 1180 | 1.59 | ug/l | # | 84 |
| 20) Methylene Chloride | 4.91 | 84 | 50874 | 56.29 | ug/l | | 96 |
| 25) 2-Butanone | 7.17 | 43 | 5037 | 11.27 | ug/l | # | 82 |
| 26) 2,2-Dichloropropane | 7.16 | 77 | 5200 | 3.22 | ug/l | # | 52 |
| 30) Chloroform | 7.68 | 83 | 1820 | 1.06 | ug/l | | 91 |
| 31) Cyclohexane | 7.95 | 56 | 2075 | 1.26 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 8033 | 4.65 | ug/l | # | 48 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 10337 | 5.43 | ug/l | # | 17 |
| 51) 4-Methyl-2-Pentanone | 10.23 | 43 | 1156 | 1.22 | ug/l | | 89 |
| 59) 2-Hexanone | 10.98 | 43 | 87 | 14.77 | ug/l | # | 24 |
| 76) 1,2,3-Trichloropropane | 12.63 | 75 | 9845 | 89.80 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75 | 9845 | 209.40 | ug/l | # | 11 |
| 95) Naphthalene | 15.40 | 128 | 835 | 1.91 | ug/l | # | 69 |

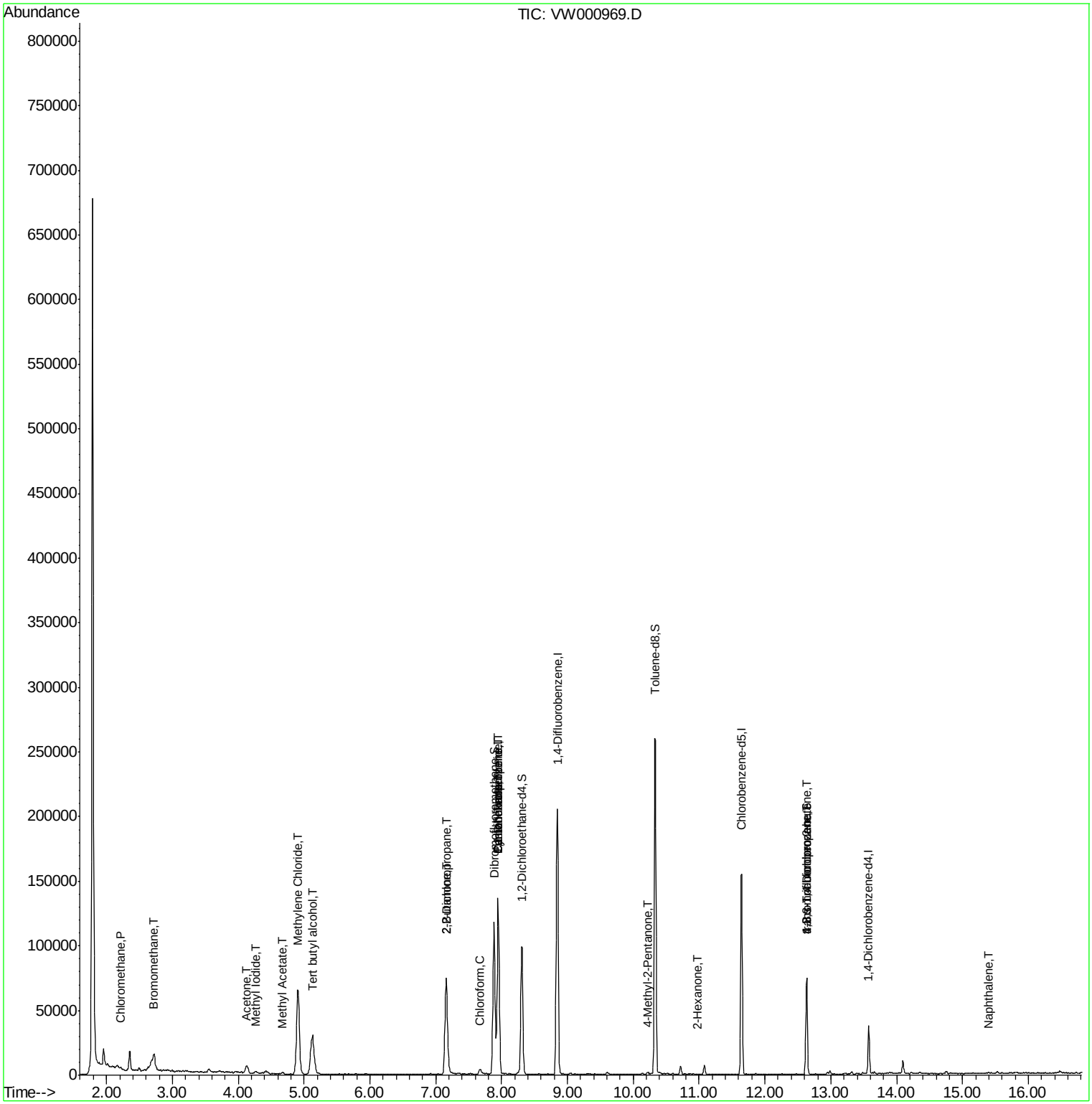
(#) = qualifier out of range (m) = manual integration (+) = signals summed

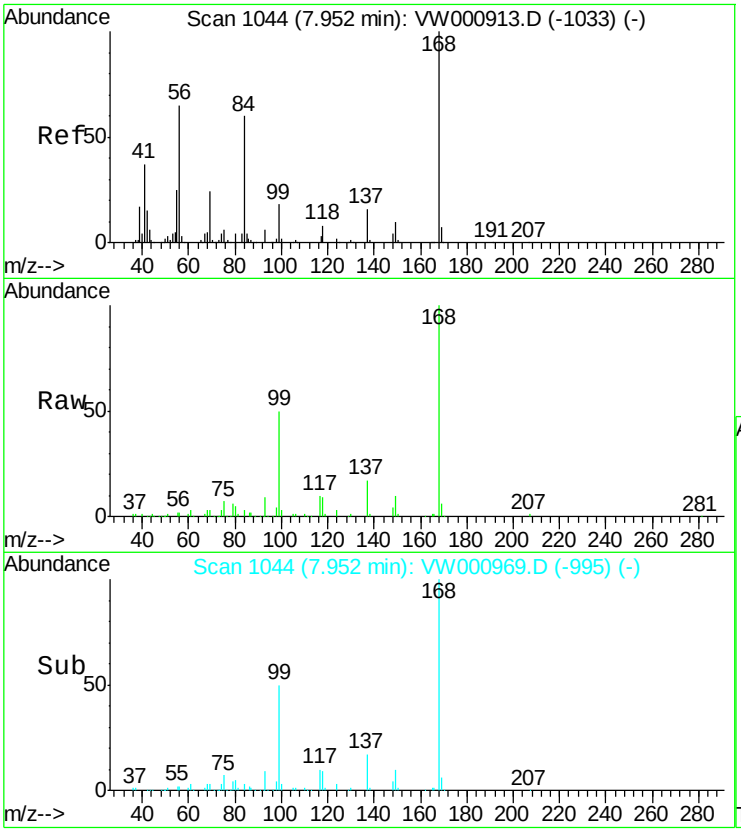
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
Data File : VW000969.D
Acq On : 25 Jan 2018 00:48
Operator : JC/SY
Sample : J1288-06
Misc : 7.40G/5.0ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Quant Time: Jan 25 04:47:28 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration



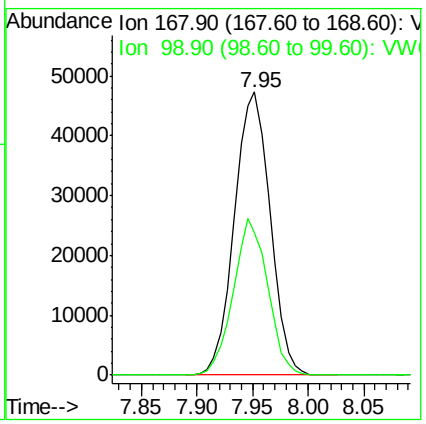


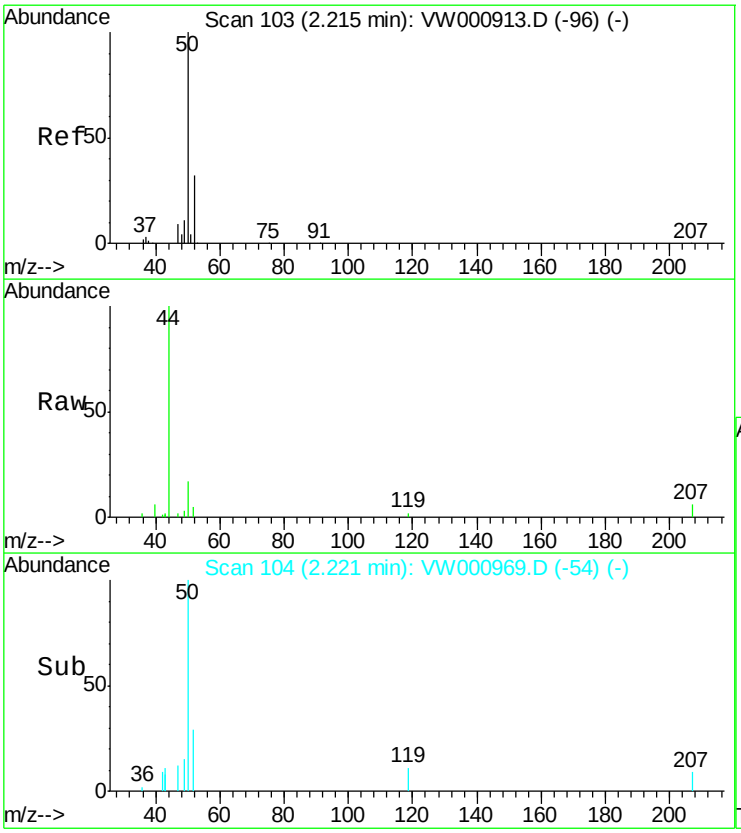

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion:168 Resp: 105381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.2 | 40.6 | 61.0 |

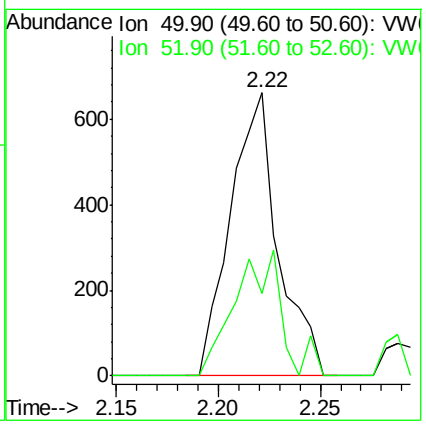


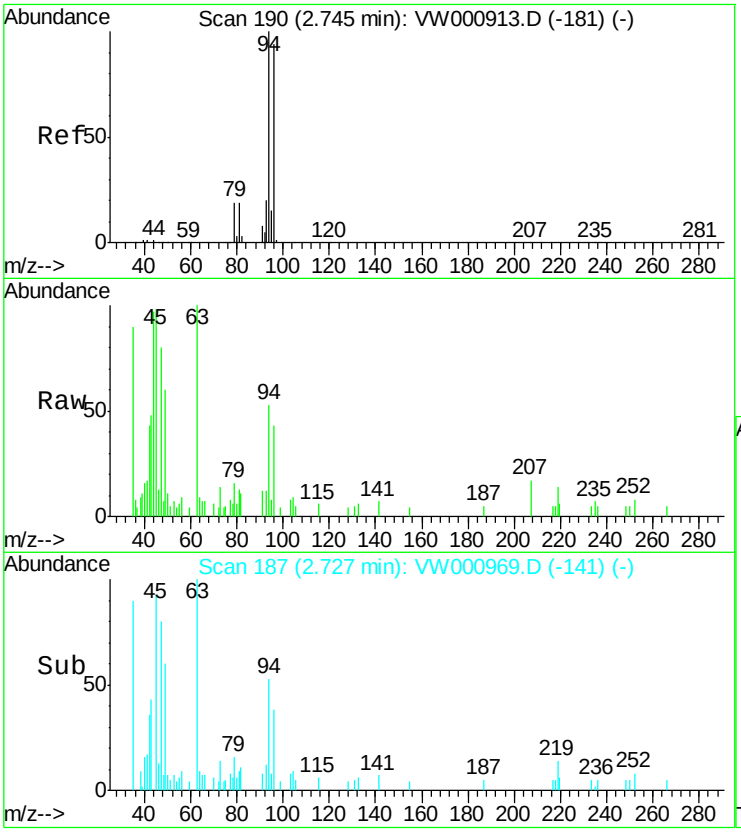




#3
Chloromethane
Concen: 1.19 ug/l
RT: 2.22 min Scan# 104
Delta R.T. 0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 50 Resp: 1073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.3 | 25.5 | 38.3 |



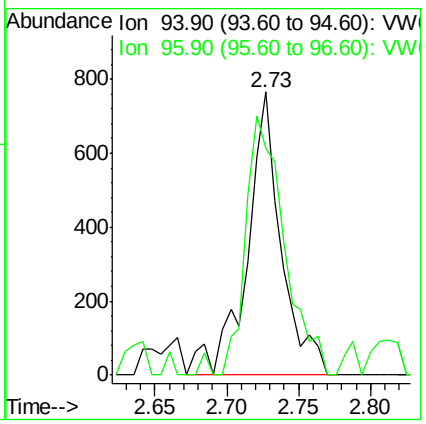


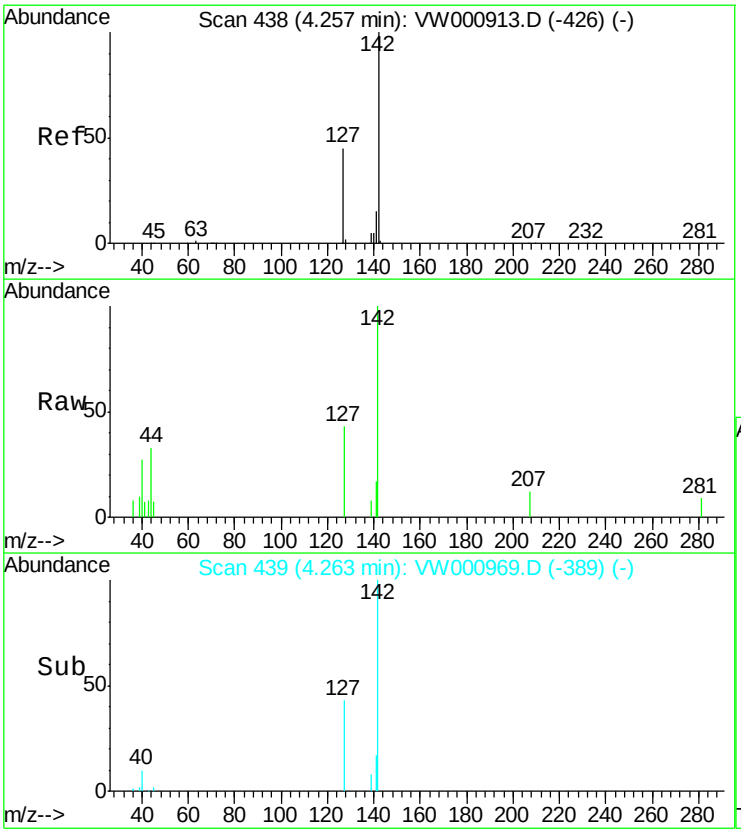

#5
Bromomethane
Concen: 2.27 ug/l
RT: 2.73 min Scan# 187
Delta R.T. -0.02 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 94 Resp: 1258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 80.4 | 75.5 | 113.3 |

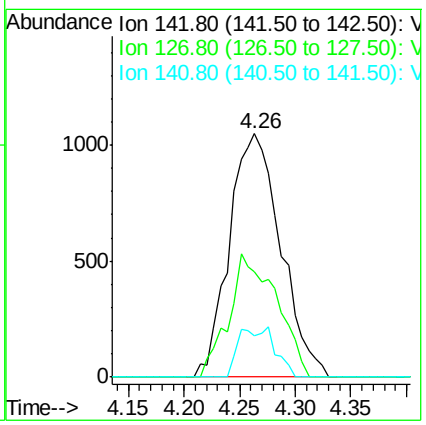


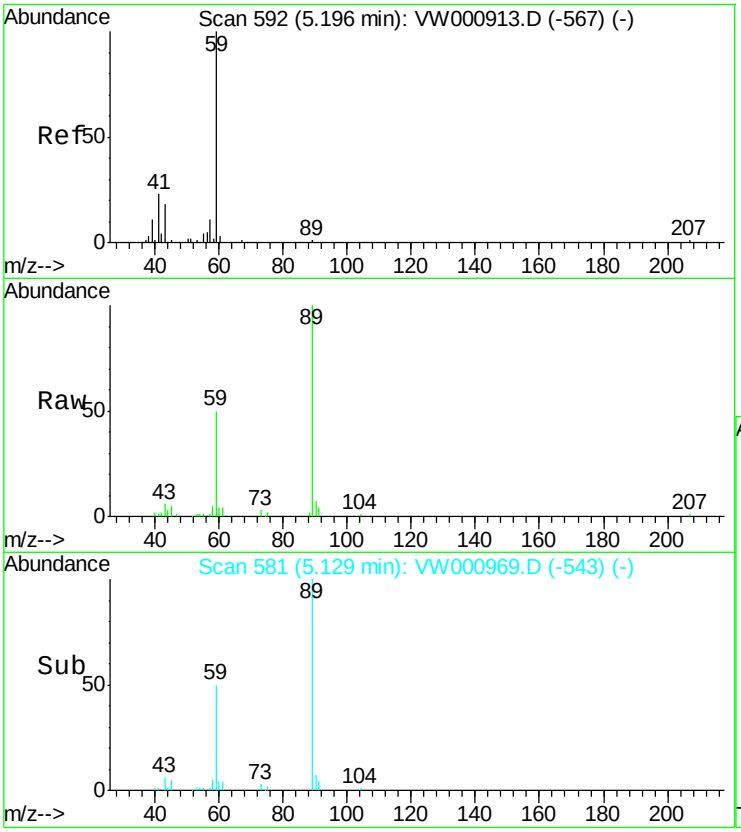




#10
Methyl Iodide
Concen: 7.74 ug/l
RT: 4.26 min Scan# 439
Delta R.T. 0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion:142 Resp: 3360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.1 | 35.5 | 53.3 |
| 141 | 0.0 | 11.7 | 17.5# |



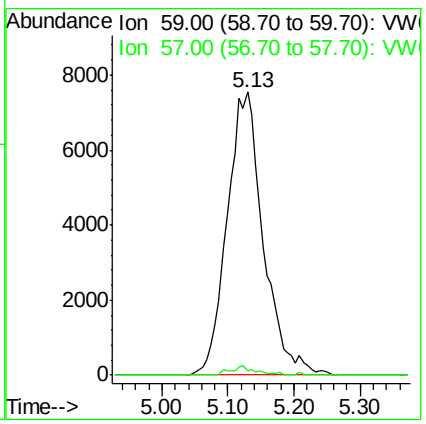


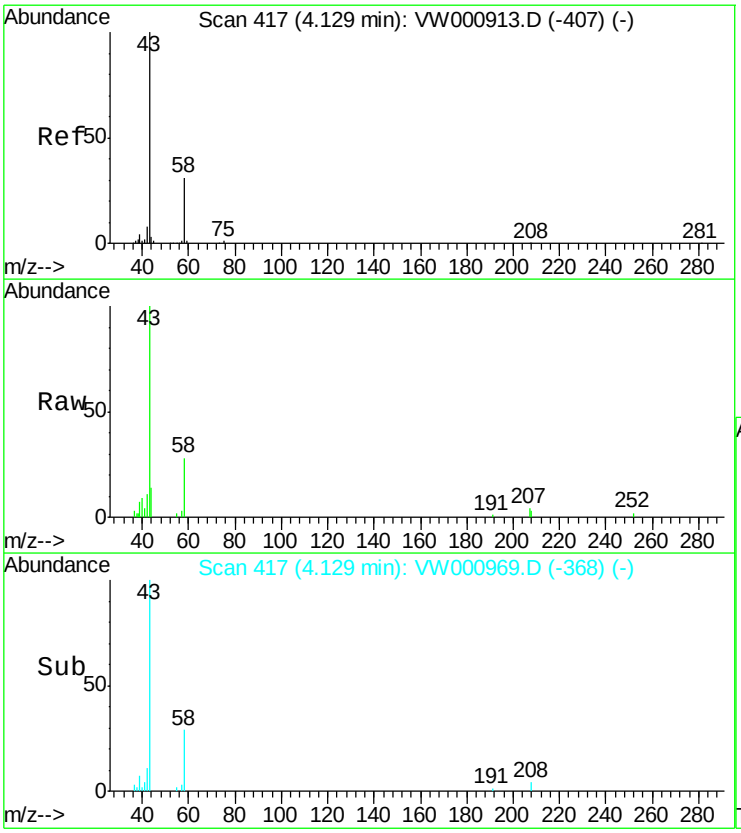

#11
Tert butyl alcohol
Concen: 260.59 ug/l
RT: 5.13 min Scan# 581
Delta R.T. -0.07 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 59 Resp: 28544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.2 | 7.0 | 10.6# |

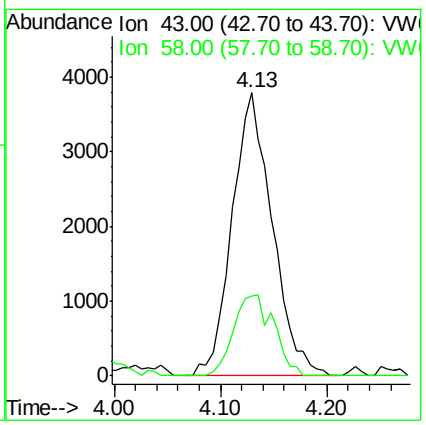


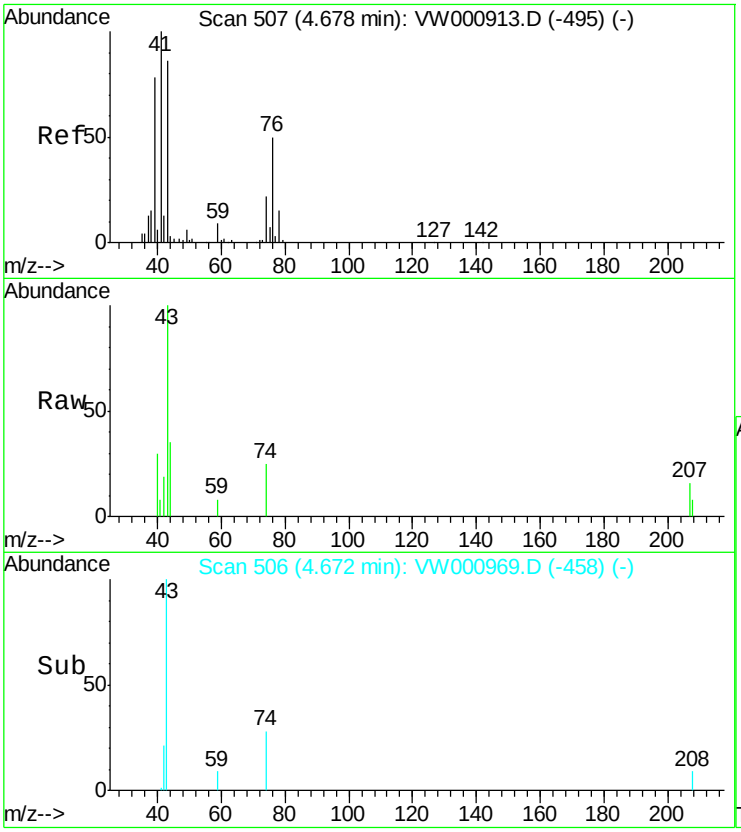




#16
Acetone
Concen: 39.06 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 43 Resp: 10050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.2 | 24.9 | 37.3 |



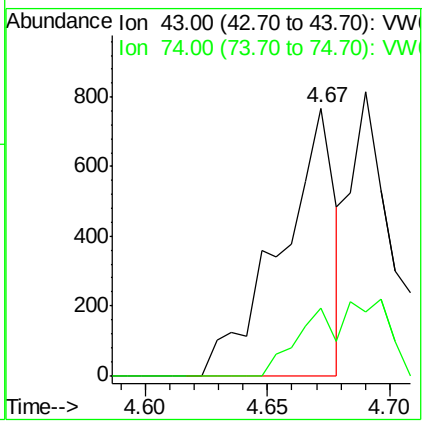


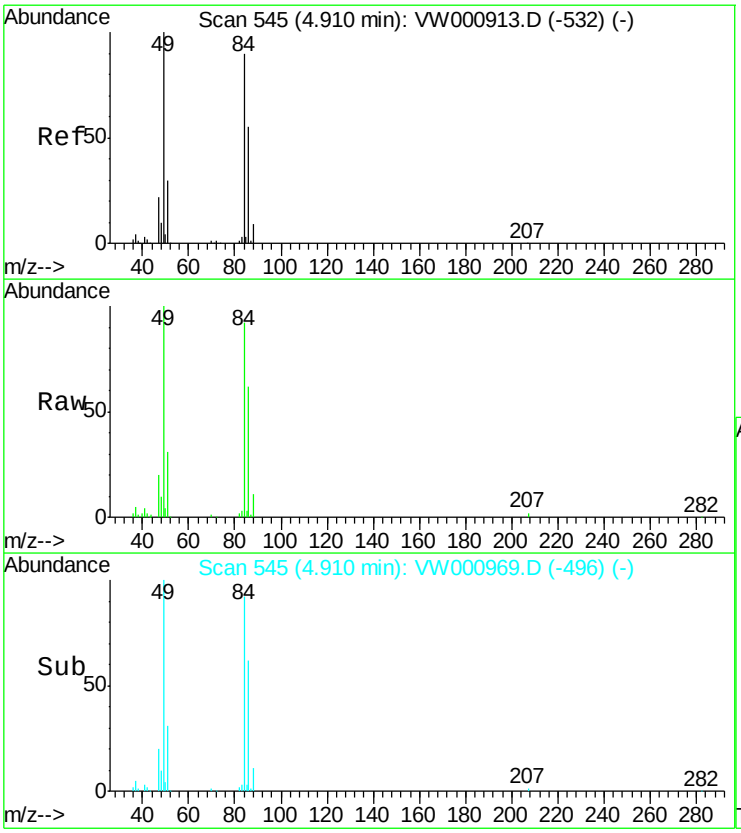

#18
Methyl Acetate
Concen: 1.59 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :** MSVOA_W
**ClientSampleId :** EPE-108-4(95-97)

Tgt Ion: 43 Resp: 1180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.6 | 20.5 | 30.7# |

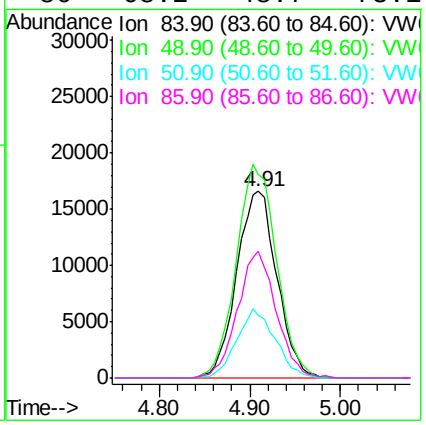


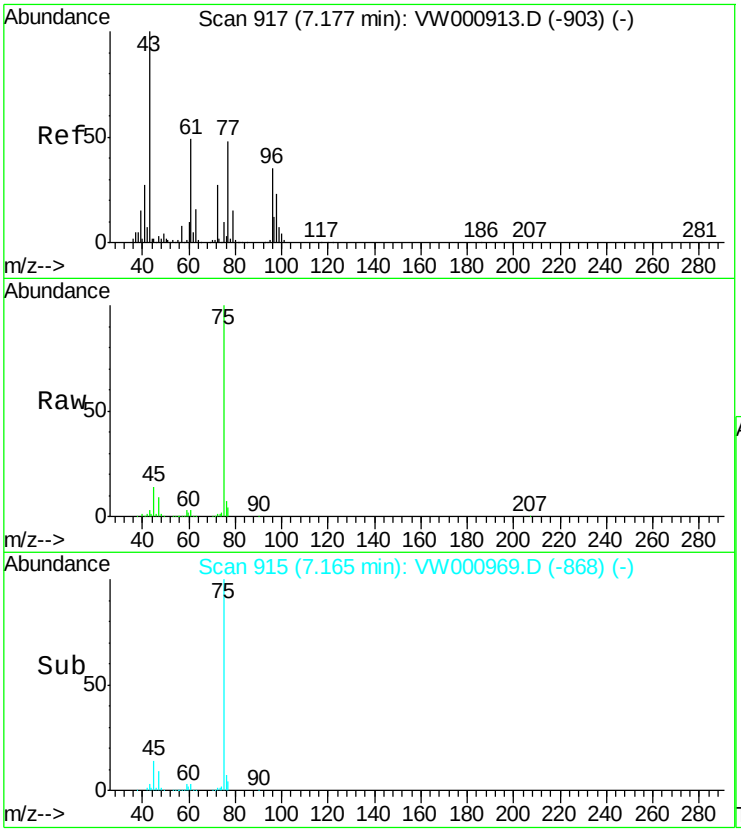




#20
Methylene Chloride
Concen: 56.29 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 84 Resp: 50874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.1 | 89.0 | 133.4 |
| 51 | 33.4 | 26.7 | 40.1 |
| 86 | 68.2 | 48.7 | 73.1 |



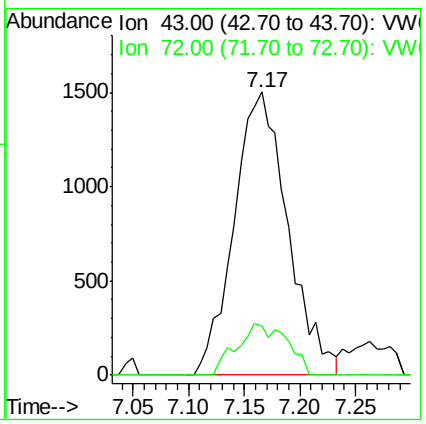


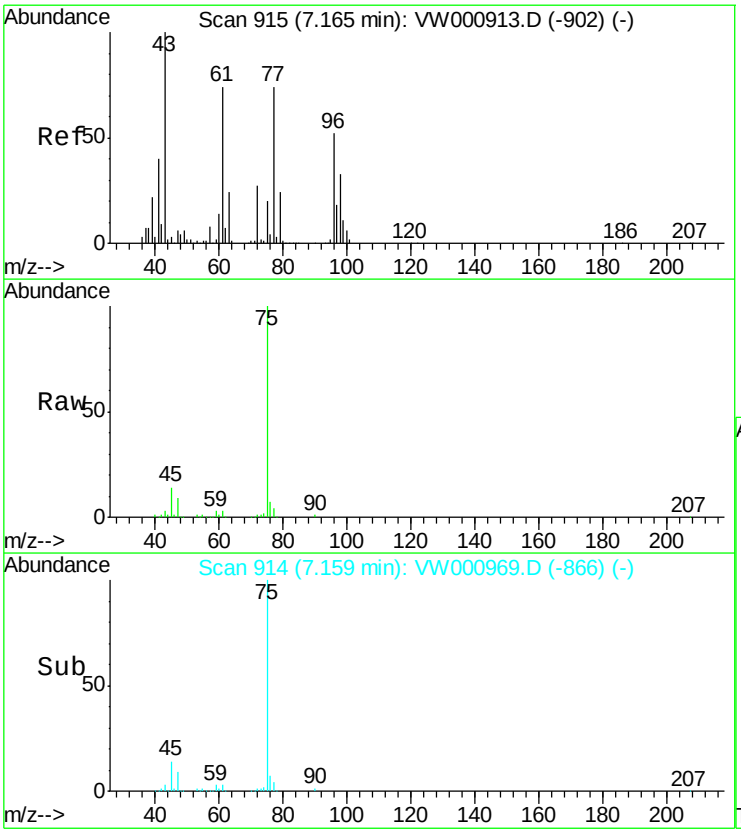

#25
2-Butanone
Concen: 11.27 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 43 Resp: 5037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.4 | 21.5 | 32.3# |

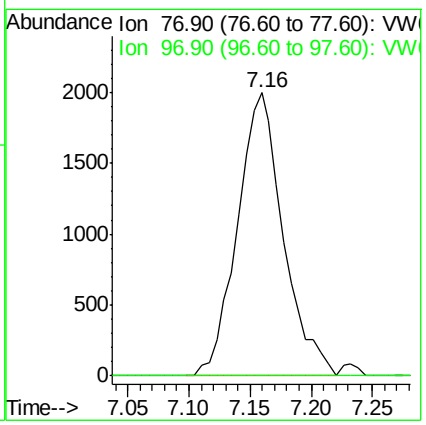


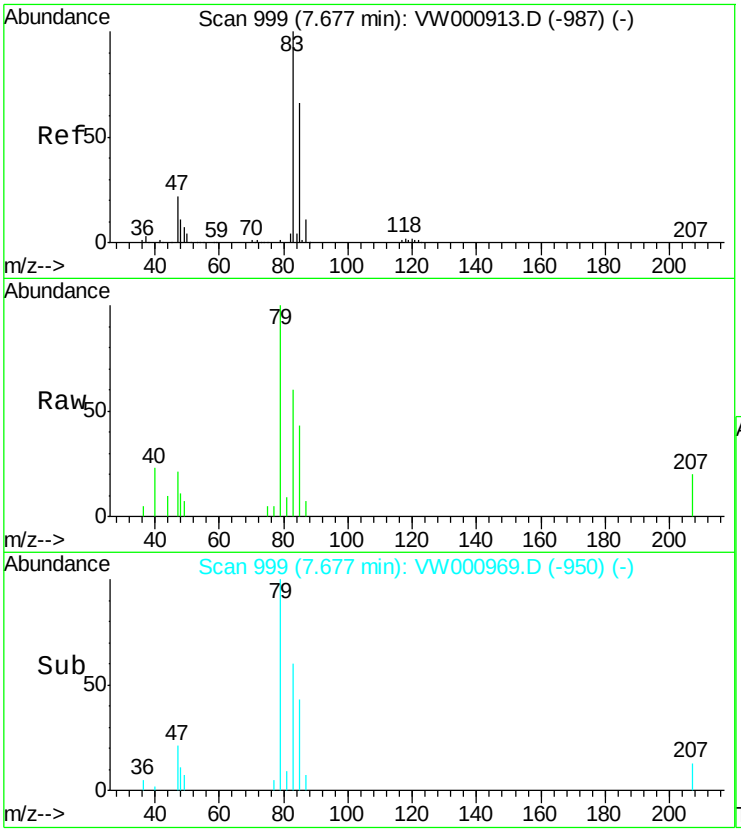




#26
2,2-Dichloropropane
Concen: 3.22 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 77 Resp: 5200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 11.8 | 35.3# |



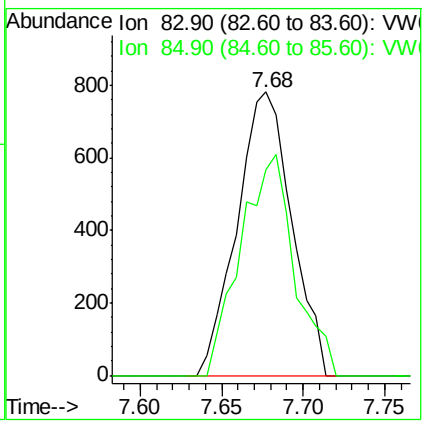


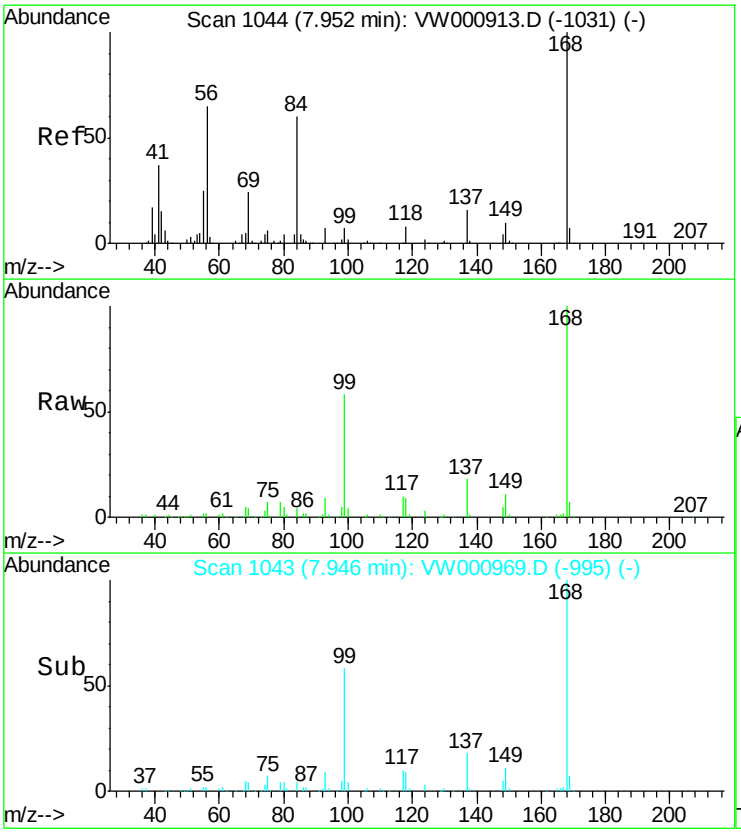

#30
Chloroform
Concen: 1.06 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 83 Resp: 1820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 72.3 | 52.5 | 78.7 |

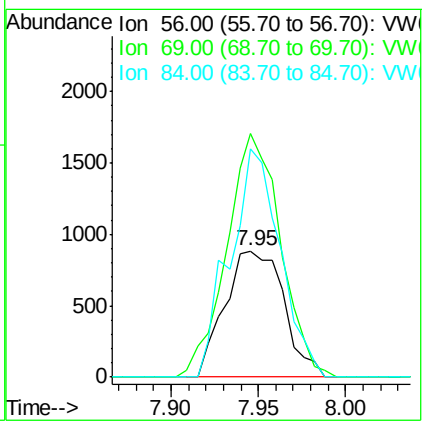


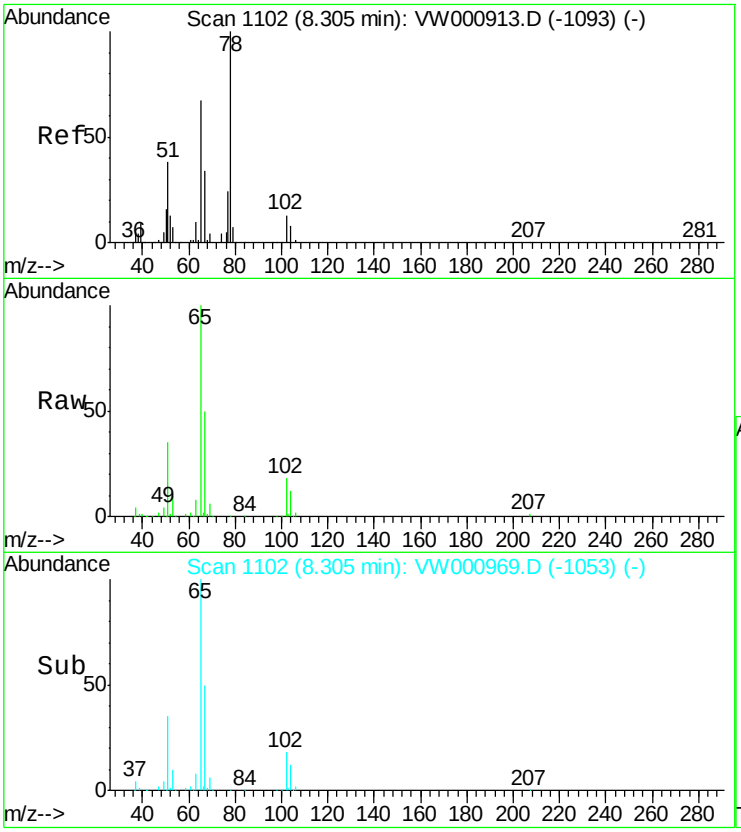




#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 56 Resp: 2075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 192.9 | 29.2 | 43.8# |
| 84 | 180.7 | 73.6 | 110.4# |



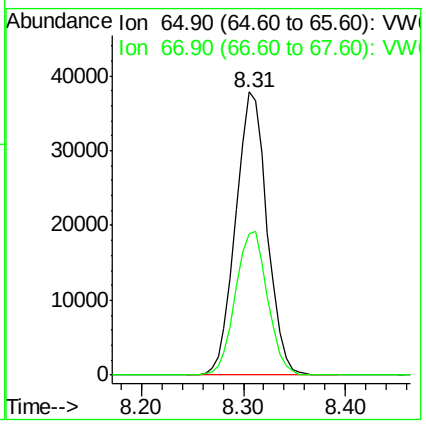


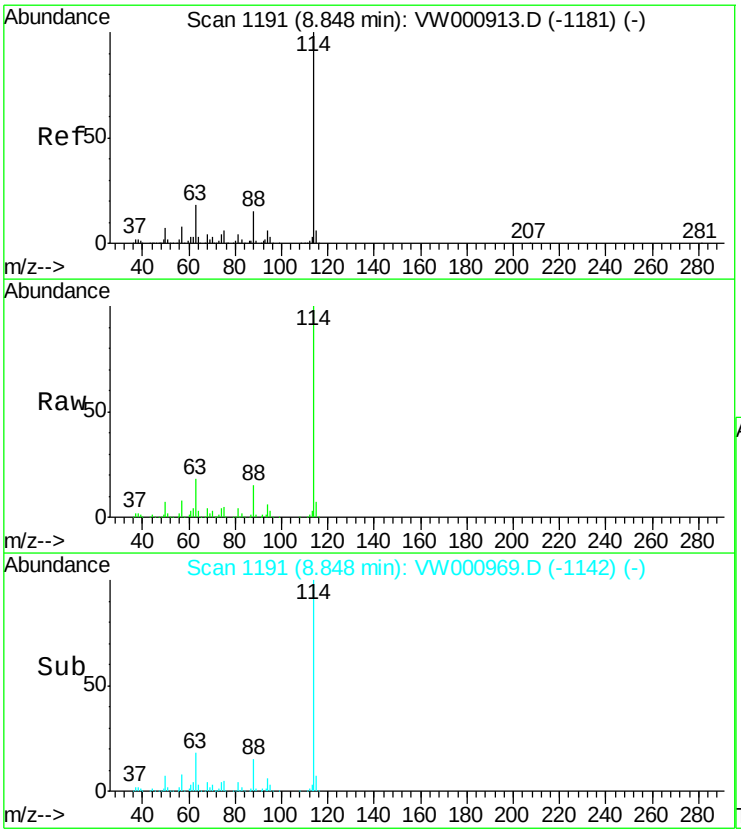

#33
1,2-Dichloroethane-d4
Concen: 79.88 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 65 Resp: 80685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.8 |

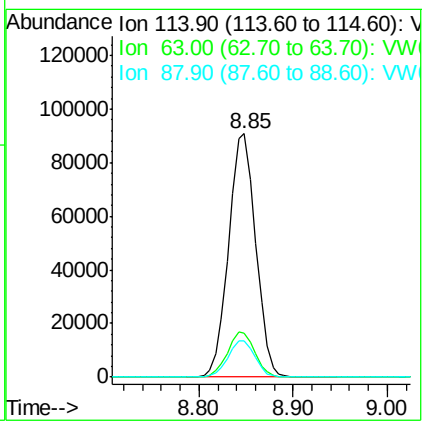


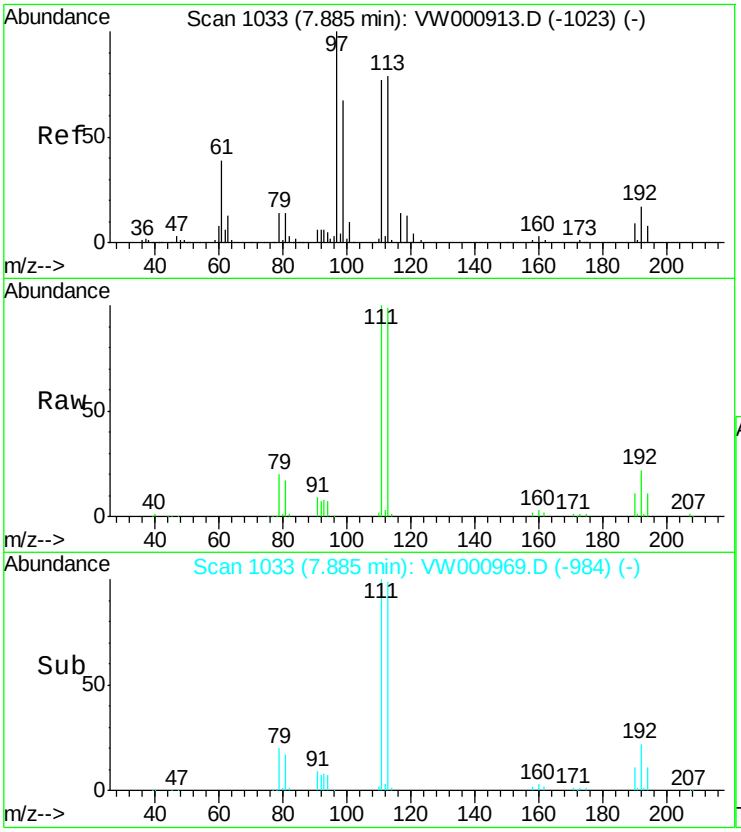




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion:114 Resp: 181002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.3 | 0.0 | 36.8 |
| 88 | 15.1 | 0.0 | 29.8 |



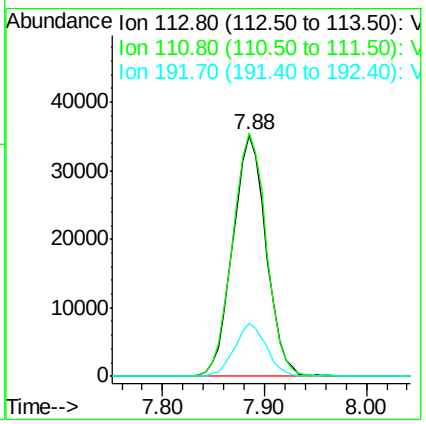


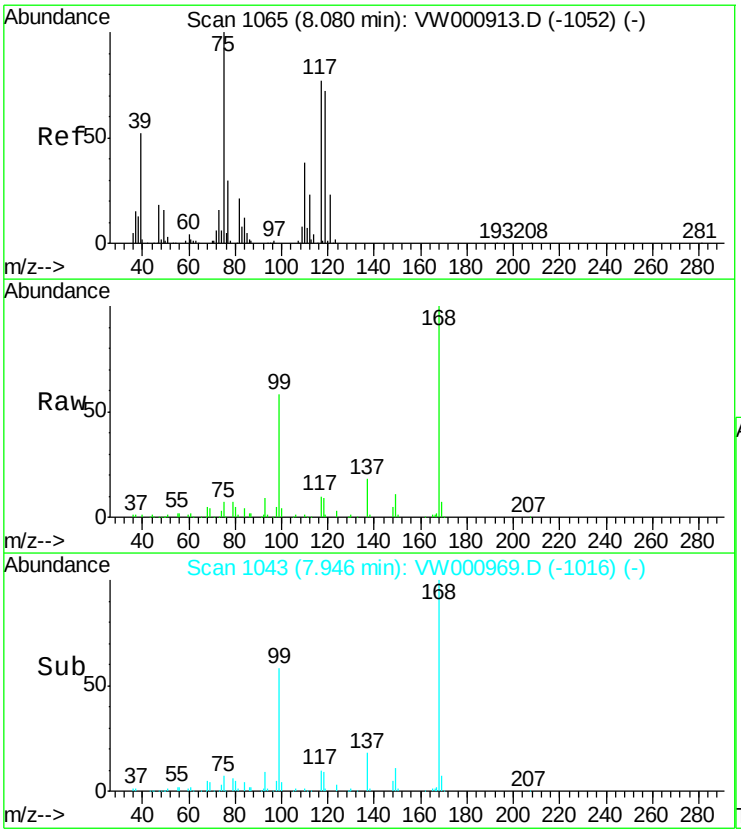

#35
Dibromofluoromethane
Concen: 71.88 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion:113 Resp: 79707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 80.4 | 120.6 |
| 192 | 21.1 | 17.0 | 25.4 |

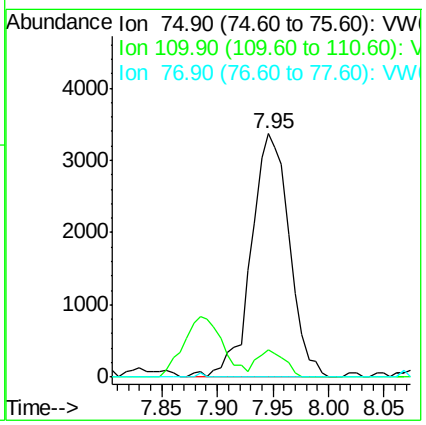


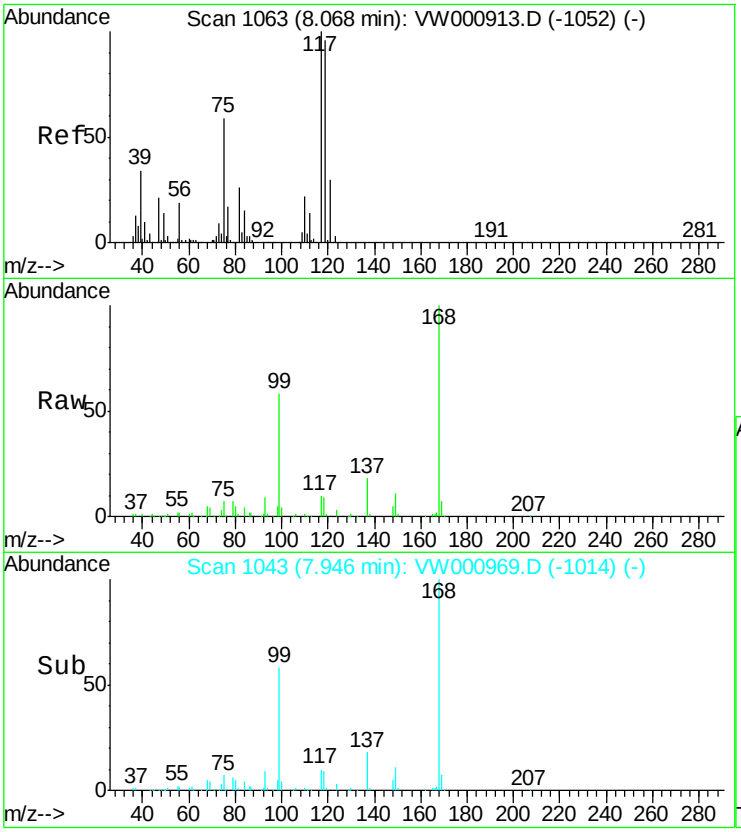




#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 75 Resp: 8033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.1 | 18.6 | 56.0# |
| 77 | 0.0 | 24.6 | 36.8# |



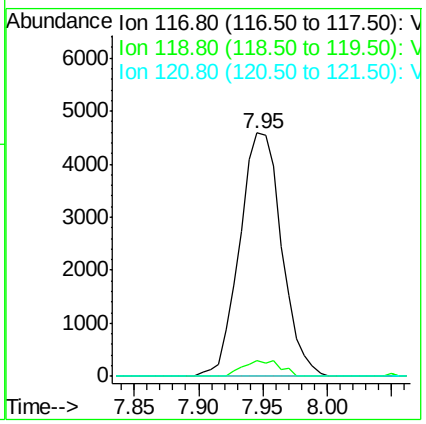


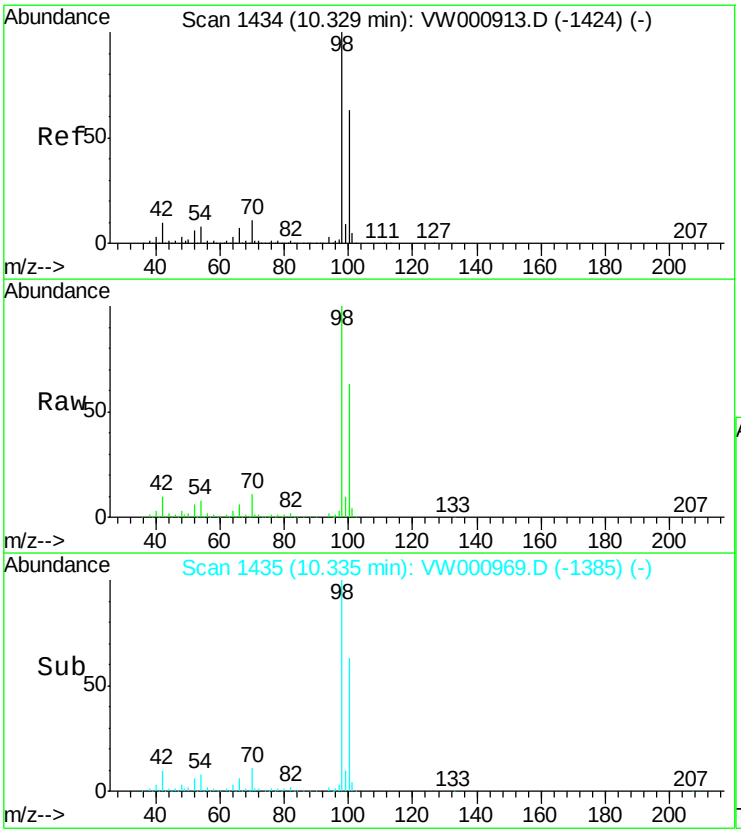

#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion:117 Resp: 10337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.7 | 76.5 | 114.7# |
| 121 | 0.0 | 24.3 | 36.5# |

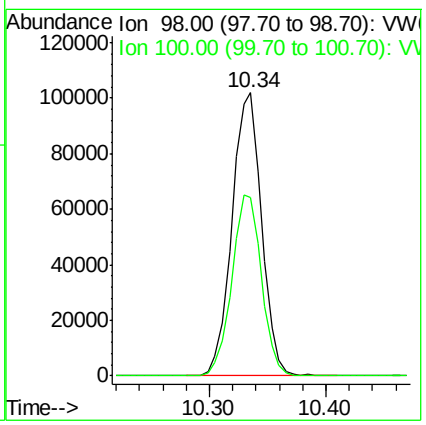


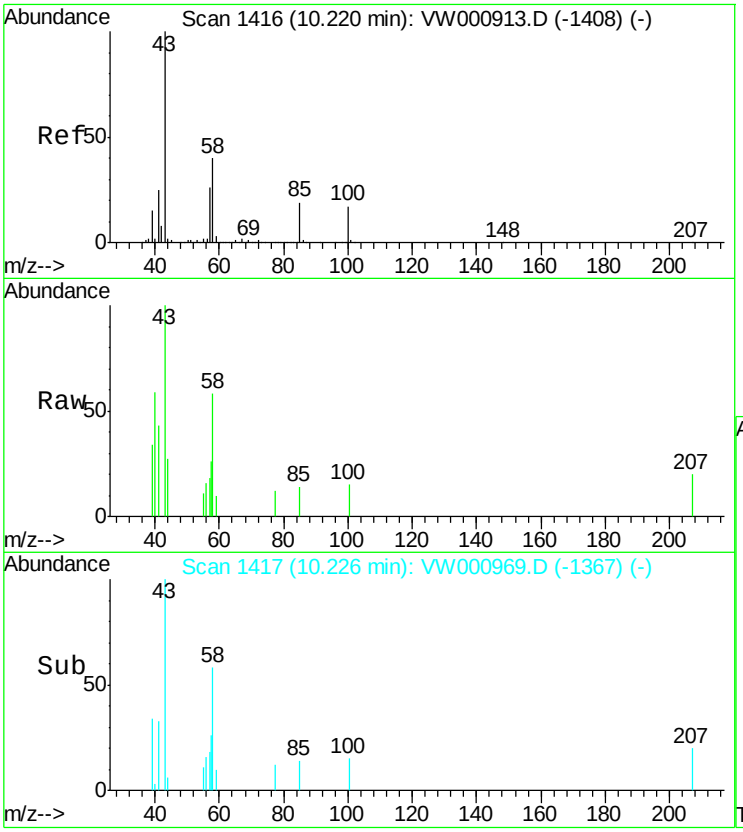




#50
Toluene-d8
Concen: 41.24 ug/l
RT: 10.34 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 98 Resp: 180293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 50.8 | 76.2 |



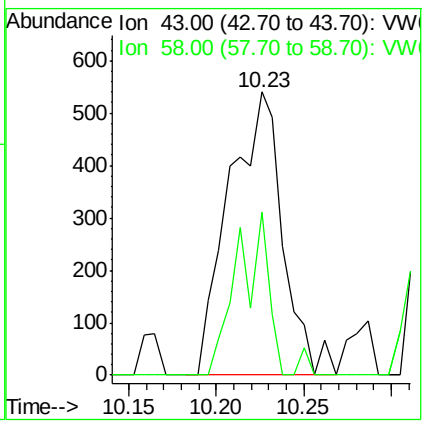


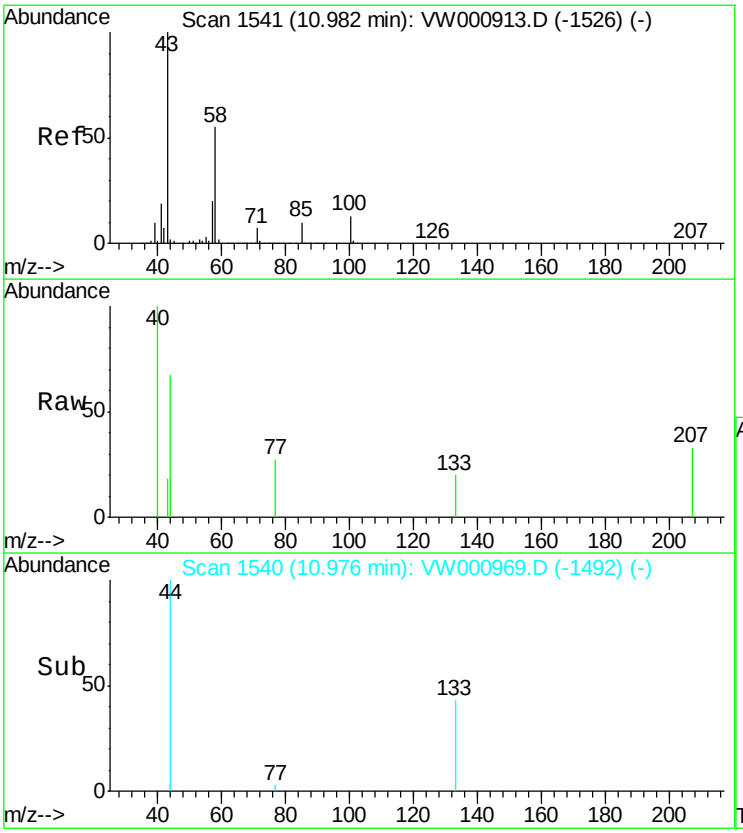

#51
4-Methyl-2-Pentanone
Concen: 1.22 ug/l
RT: 10.23 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :** MSVOA_W
**ClientSampleId :** EPE-108-4(95-97)

Tgt Ion: 43 Resp: 1156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.1 | 32.0 | 48.0 |

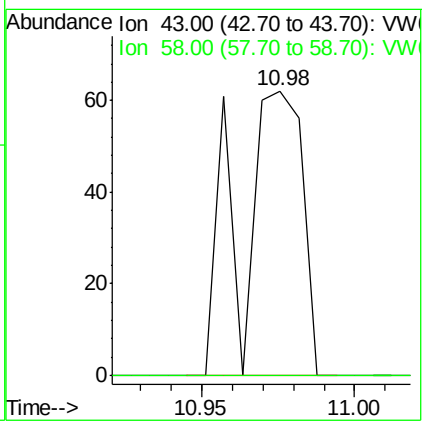


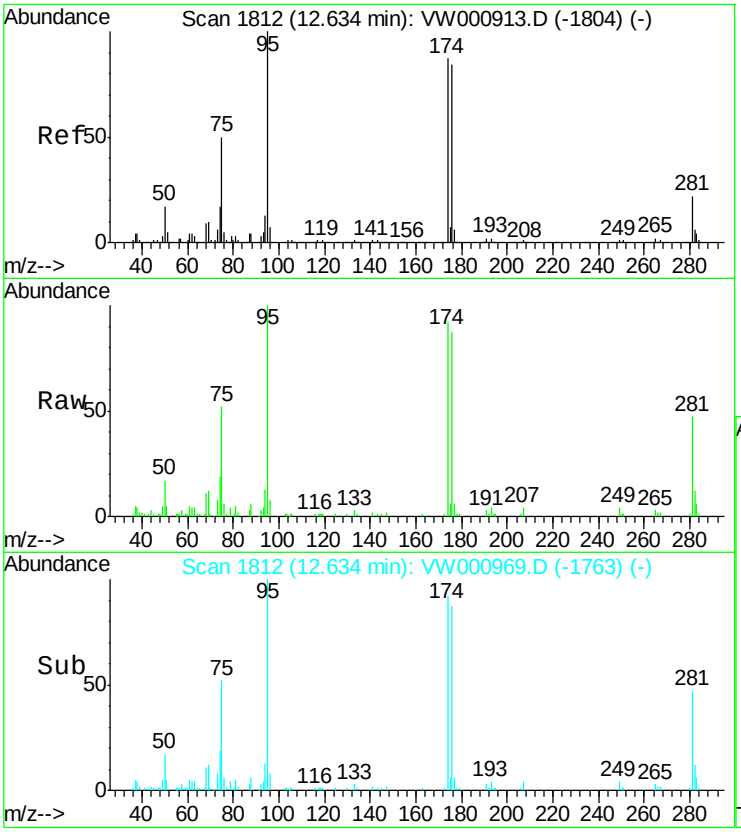




#59
2-Hexanone
Concen: 14.77 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 43 Resp: 87

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 27.4 | 82.2# |



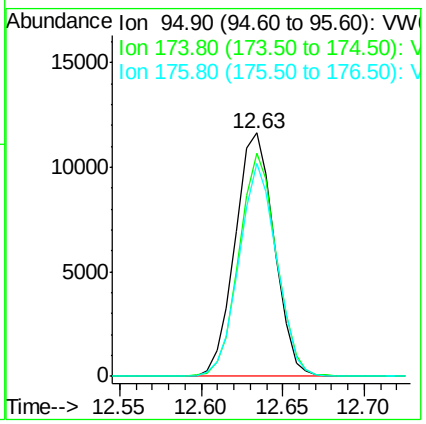


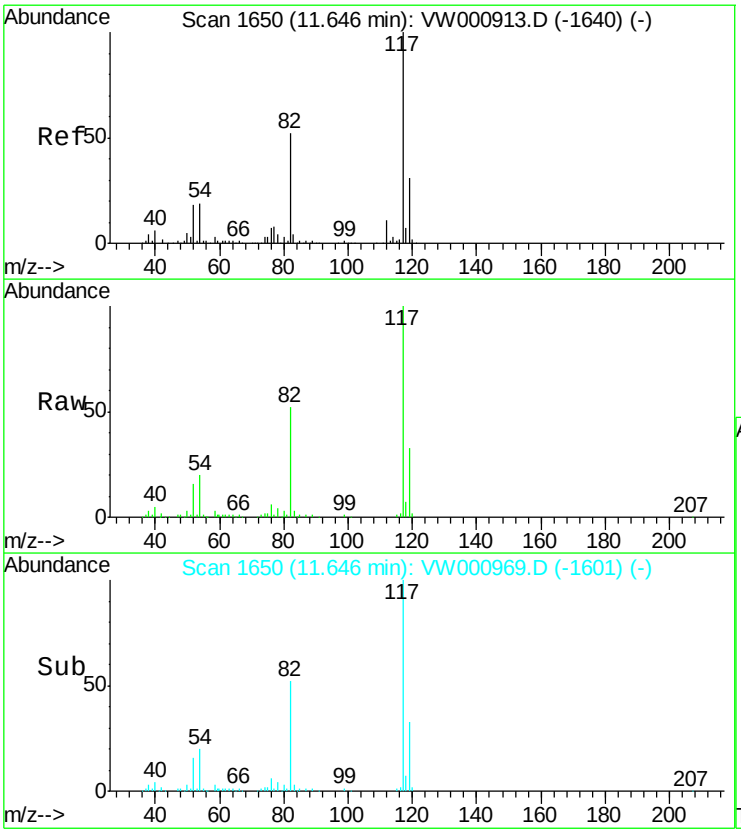

#62
4-Bromofluorobenzene
Concen: 12.22 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 95 Resp: 19460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.1 | 0.0 | 176.8 |
| 176 | 84.1 | 0.0 | 171.8 |

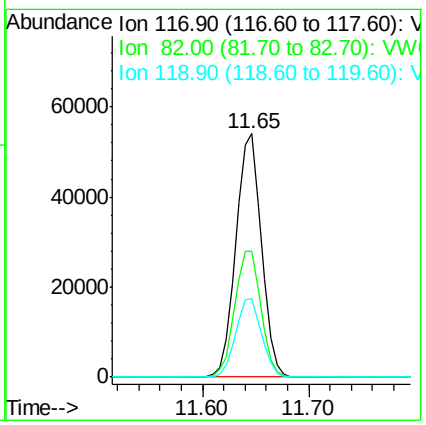


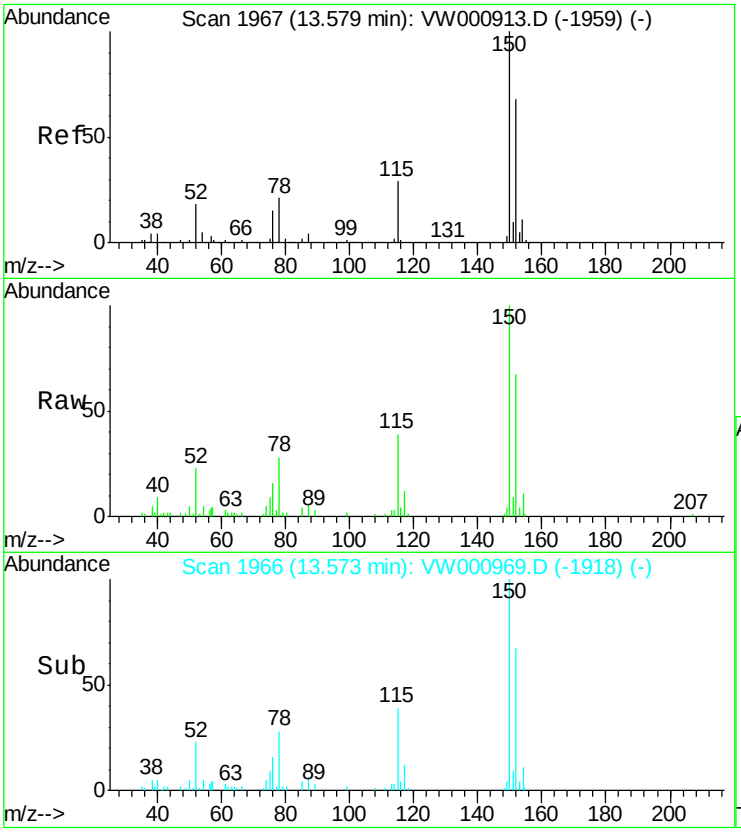




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion:117 Resp: 91416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.8 | 41.8 | 62.6 |
| 119 | 32.5 | 25.2 | 37.8 |



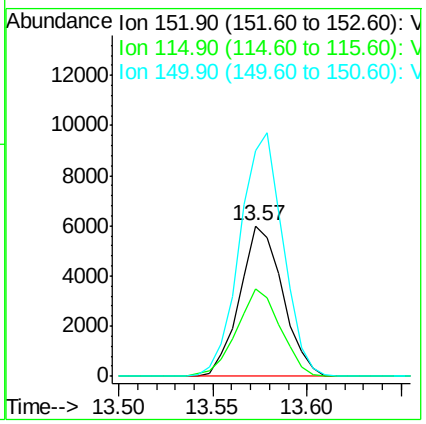


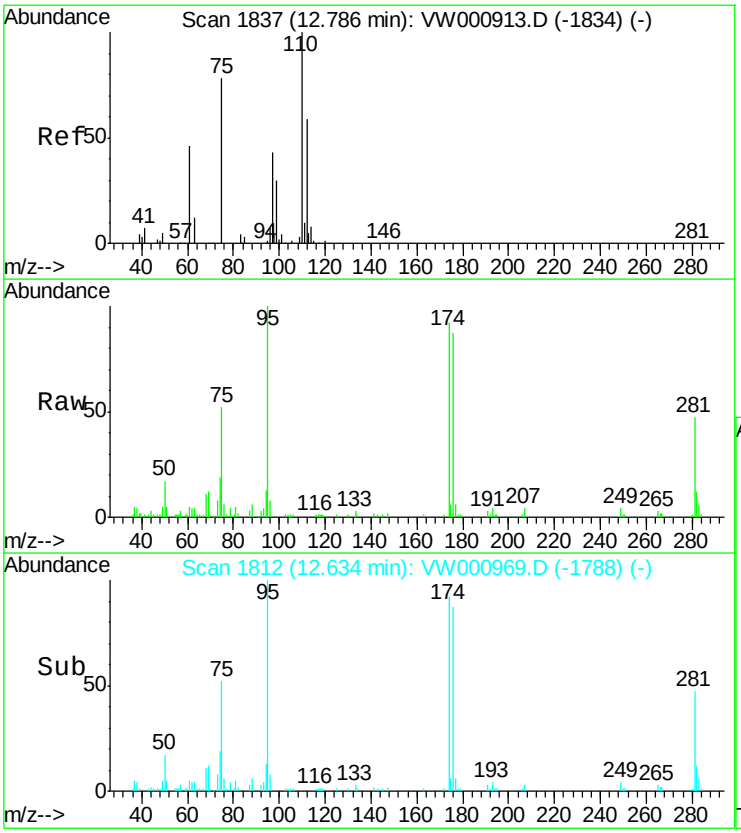

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion:152 Resp: 9474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.5 | 28.5 | 85.5 |
| 150 | 162.3 | 0.0 | 342.0 |

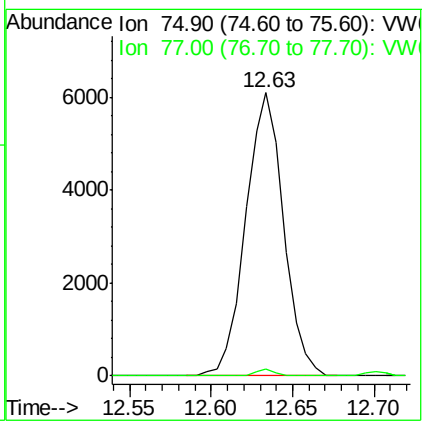


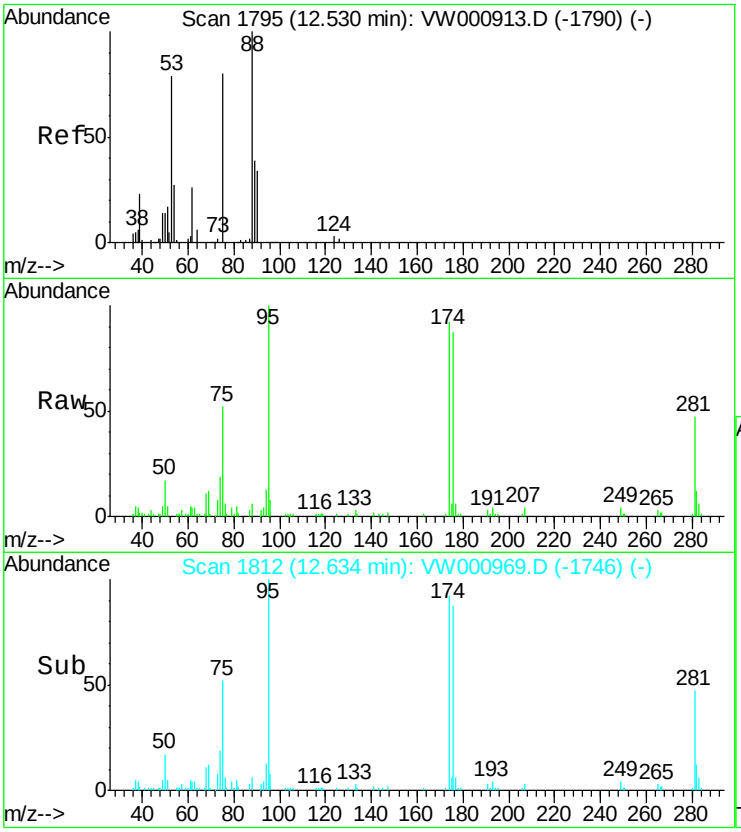




#76
1,2,3-Trichloropropane
Concen: 89.80 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. -0.15 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion: 75 Resp: 9845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 0.0# |



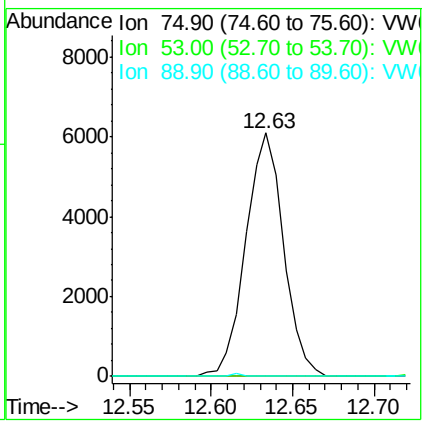


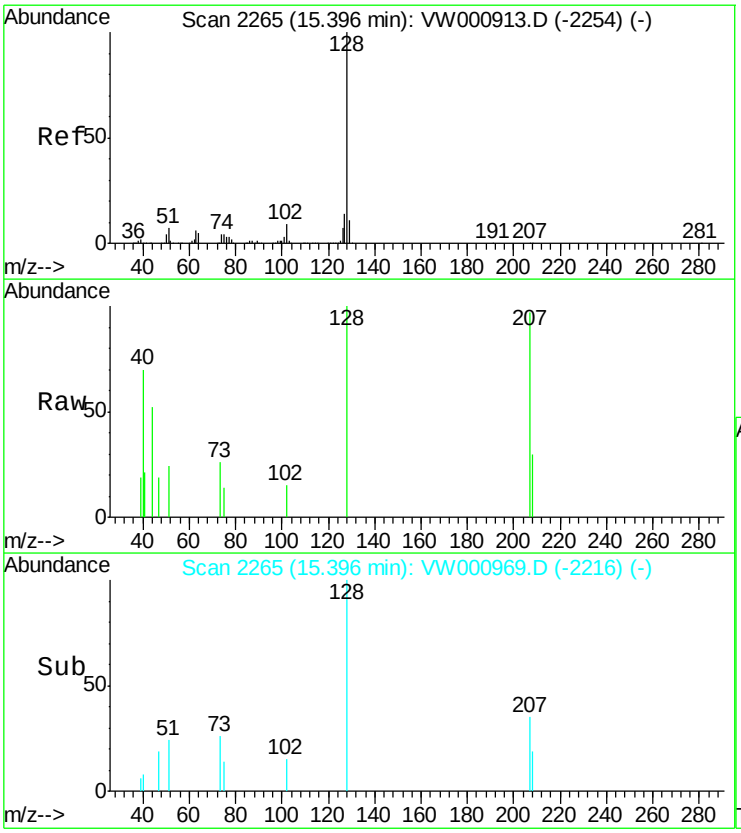

#81
trans-1,4-Dichloro-2-butene
Concen: 209.40 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.10 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

**Instrument :**
MSVOA_W
**ClientSampleId :**
EPE-108-4(95-97)

Tgt Ion: 75 Resp: 9845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 77.5 | 116.3# |
| 89 | 0.3 | 38.2 | 57.4# |




#95
Naphthalene
Concen: 1.91 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VW000969.D
Acq: 25 Jan 2018 00:48

Tgt Ion:128 Resp: 835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.6 | 15.8# |
| 129 | 0.0 | 8.7 | 13.1# |