Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
Data File : VW001131.D
Acq On : 29 Jan 2018 20:49
Operator : JC/SY
Sample : J1009-07
Misc : 5.20G/5.0ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Quant Time: Jan 30 02:11:25 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 10904 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 14983 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.64 | 117 | 13780 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 5786 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 7240 | 68.30 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 136.60% | | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 1281 | 13.37 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 26.74% | | | | |
| 50) Toluene-d8 | 10.33 | 98 | 20311 | 55.06 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.12% | | | | |
| 62) 4-Bromofluorobenzene | 12.63 | 95 | 6242 | 45.92 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.84% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 2.22 | 50 | 395 | 4.89 | ug/l | | 89 |
| 5) Bromomethane | 2.81 | 94 | 473 | 4.70 | ug/l | # | 59 |
| 6) Chloroethane | 2.90 | 64 | 222 | 4.87 | ug/l | # | 42 |
| 10) Methyl Iodide | 4.29 | 142 | 1311 | 12.50 | ug/l | # | 88 |
| 13) Acrolein | 3.77 | 56 | 21 | 1.54 | ug/l | # | 13 |
| 16) Acetone | 4.13 | 43 | 1009 | 36.20 | ug/l | # | 87 |
| 18) Methyl Acetate | 4.52 | 43 | 19 | Below Cal | | # | 50 |
| 20) Methylene Chloride | 4.92 | 84 | 2095 | 21.32 | ug/l | # | 81 |
| 25) 2-Butanone | 7.18 | 43 | 82 | 2.24 | ug/l | # | 46 |
| 31) Cyclohexane | 7.95 | 56 | 348 | 2.21 | ug/l | # | 60 |
| 37) Ethyl Acetate | 7.18 | 43 | 82 | 1.15 | ug/l | # | 67 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 1011 | 6.69 | ug/l | # | 12 |
| 52) Toluene | 10.40 | 92 | 3367 | 14.00 | ug/l | | 95 |
| 67) Ethyl Benzene | 11.74 | 91 | 521 | 1.12 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.84 | 106 | 799 | 4.42 | ug/l | | 94 |
| 69) o-Xylene | 12.17 | 106 | 349 | 2.09 | ug/l | | 67 |
| 76) 1,2,3-Trichloropropane | 12.63 | 75 | 3577 | 61.00 | ug/l | # | 100 |
| 77) Bromobenzene | 12.93 | 156 | 164 | 1.74 | ug/l | # | 1 |
| 80) 1,3,5-Trimethylbenzene | 12.96 | 105 | 576 | 1.86 | ug/l | | 77 |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75 | 3577 | 160.39 | ug/l | # | 12 |
| 84) 1,2,4-Trimethylbenzene | 13.27 | 105 | 1681 | 5.33 | ug/l | | 94 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 658 | 1.91 | ug/l | # | 79 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.66 | 75 | 46 | 3.08 | ug/l | # | 1 |
| 95) Naphthalene | 15.40 | 128 | 634 | 2.57 | ug/l | # | 77 |

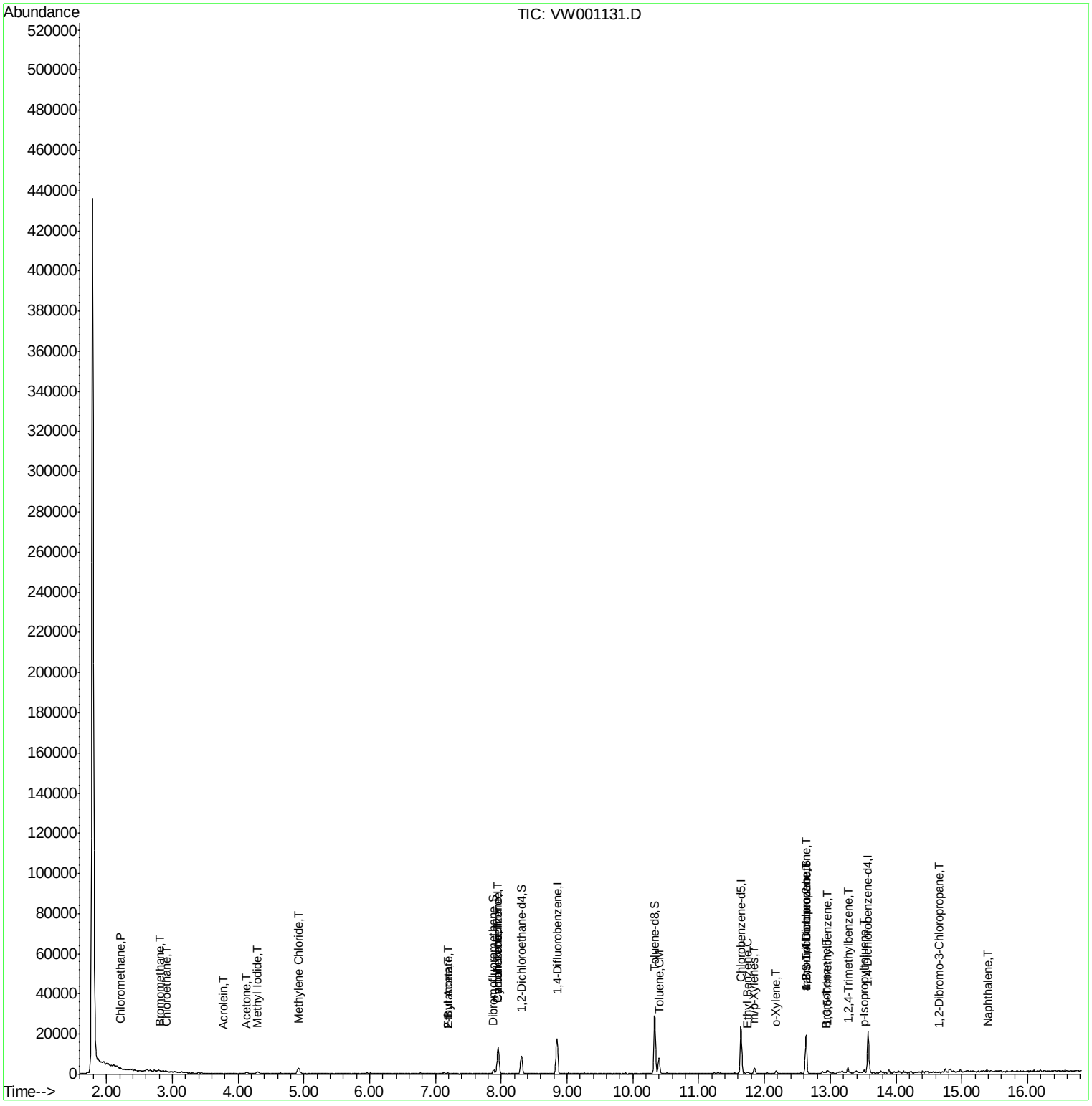
(#) = qualifier out of range (m) = manual integration (+) = signals summed

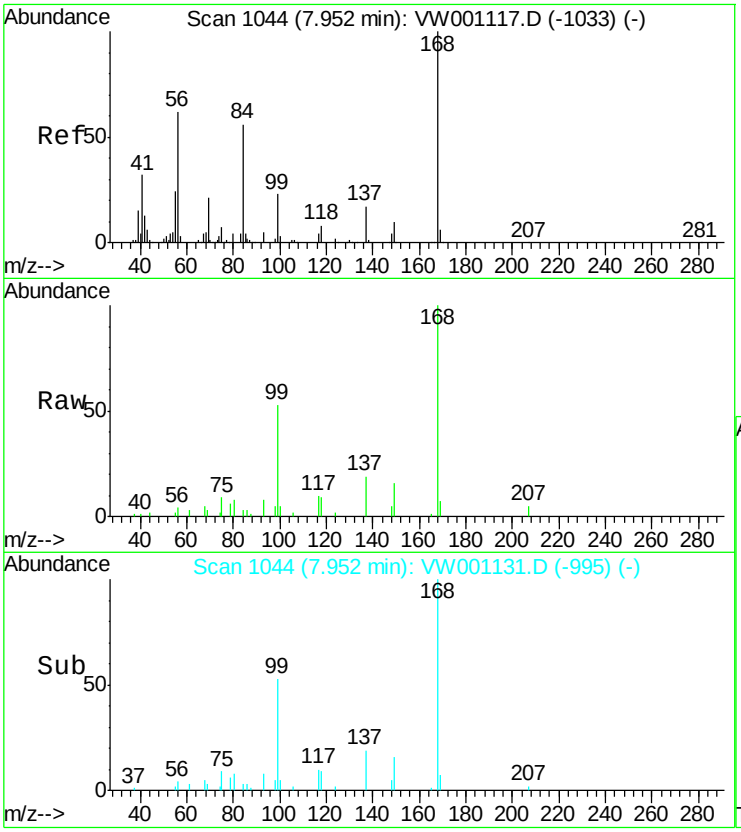
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
Data File : VW001131.D
Acq On : 29 Jan 2018 20:49
Operator : JC/SY
Sample : J1009-07
Misc : 5.20G/5.0ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Quant Time: Jan 30 02:11:25 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration



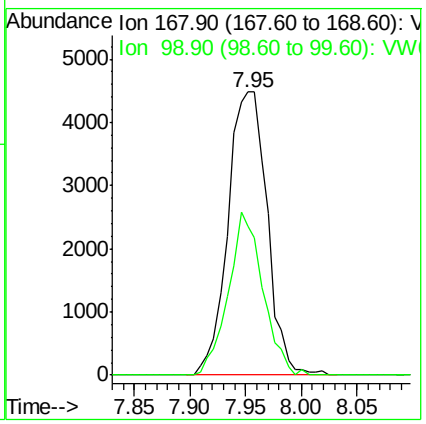


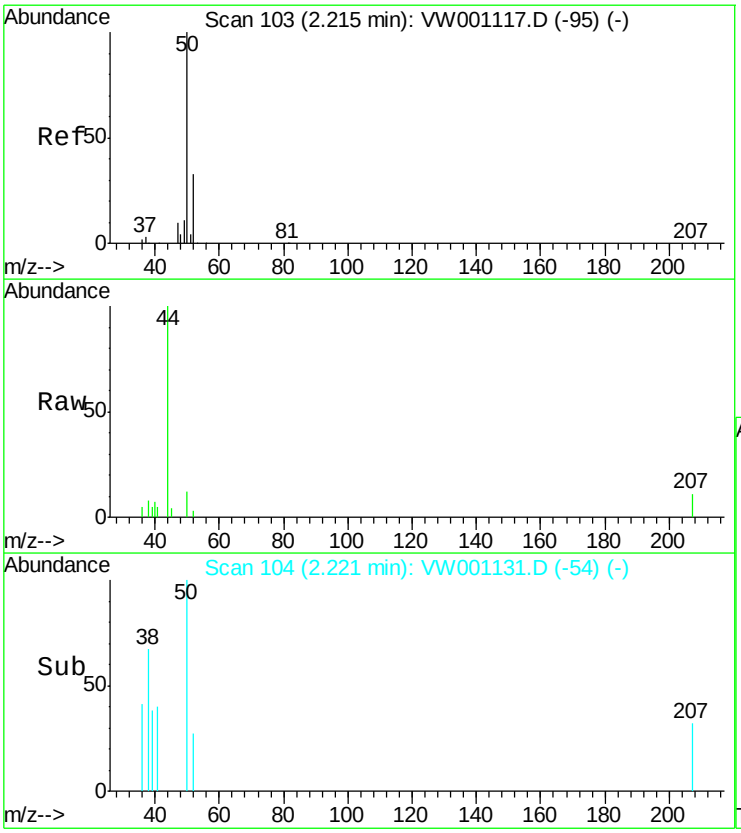

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion:168 Resp: 10904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.9 | 42.4 | 63.6 |

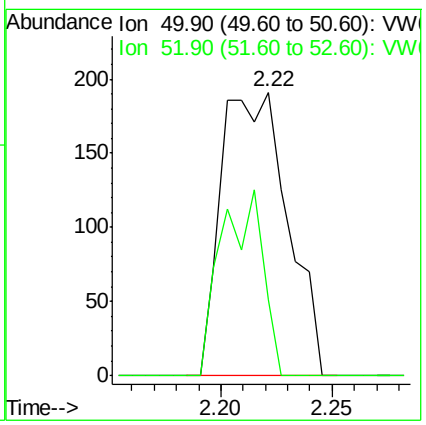


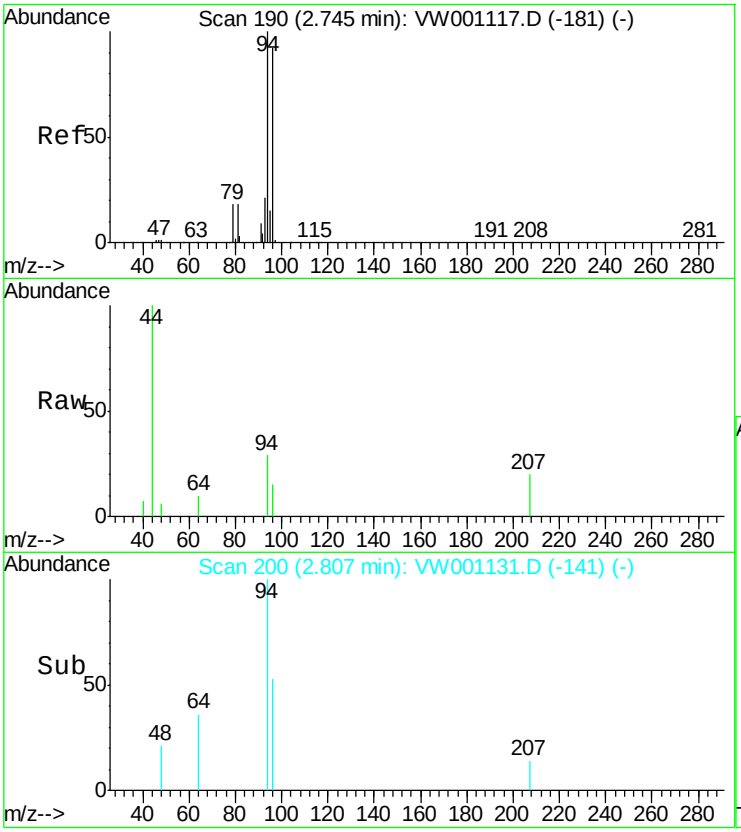




#3
Chloromethane
Concen: 4.89 ug/l
RT: 2.22 min Scan# 104
Delta R.T. 0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 50 Resp: 395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 26.7 | 26.2 | 39.4 |



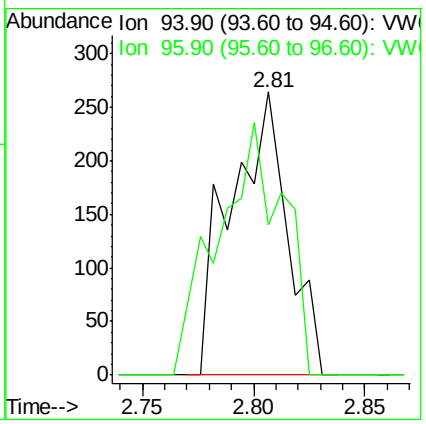


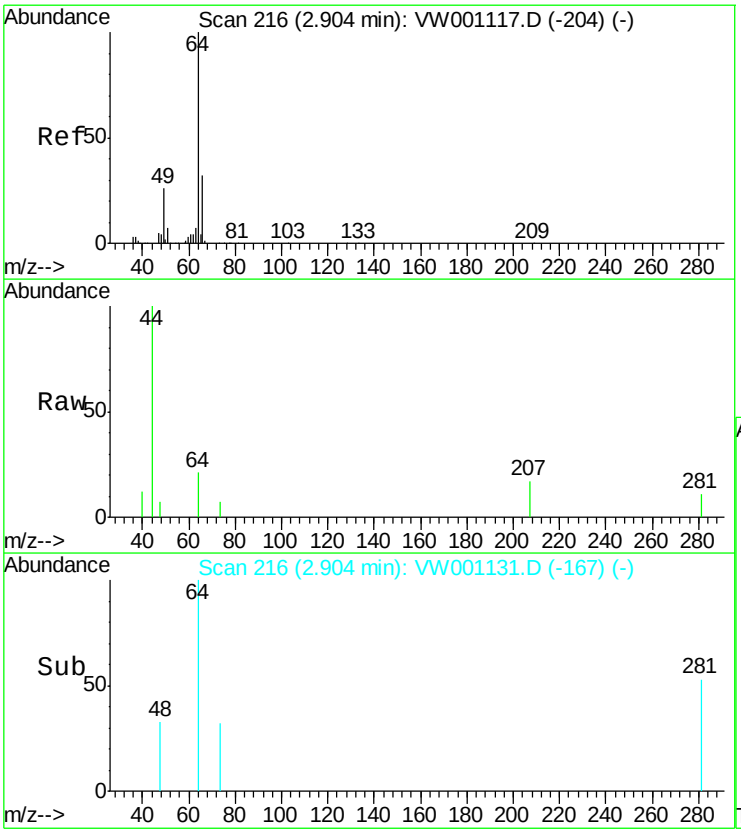

#5
Bromomethane
Concen: 4.70 ug/l
RT: 2.81 min Scan# 200
Delta R.T. 0.06 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion: 94 Resp: 473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 53.0 | 73.7 | 110.5# |

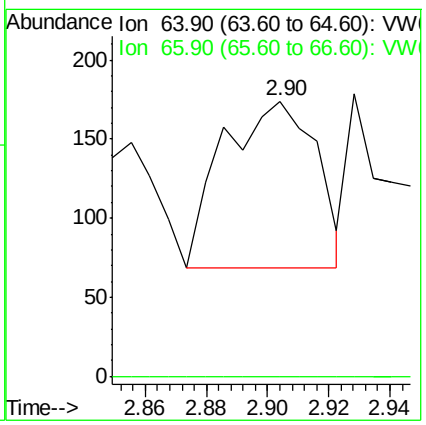


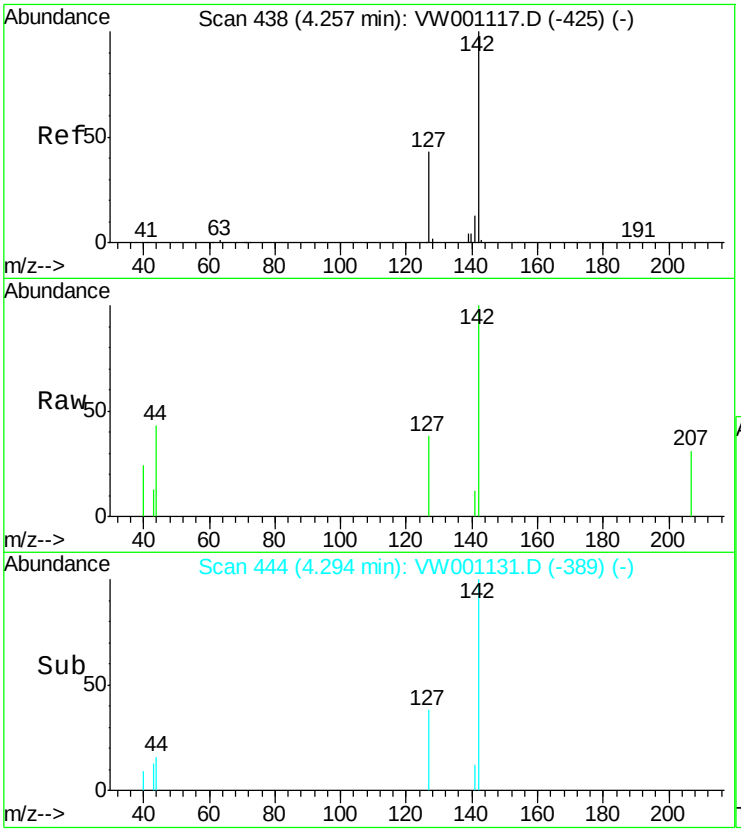




#6
Chloroethane
Concen: 4.87 ug/l
RT: 2.90 min Scan# 216
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 64 Resp: 222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.8 | 38.8# |



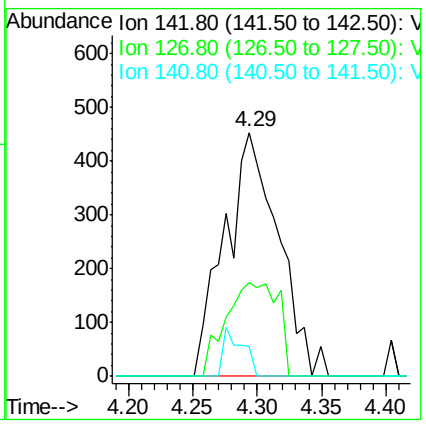


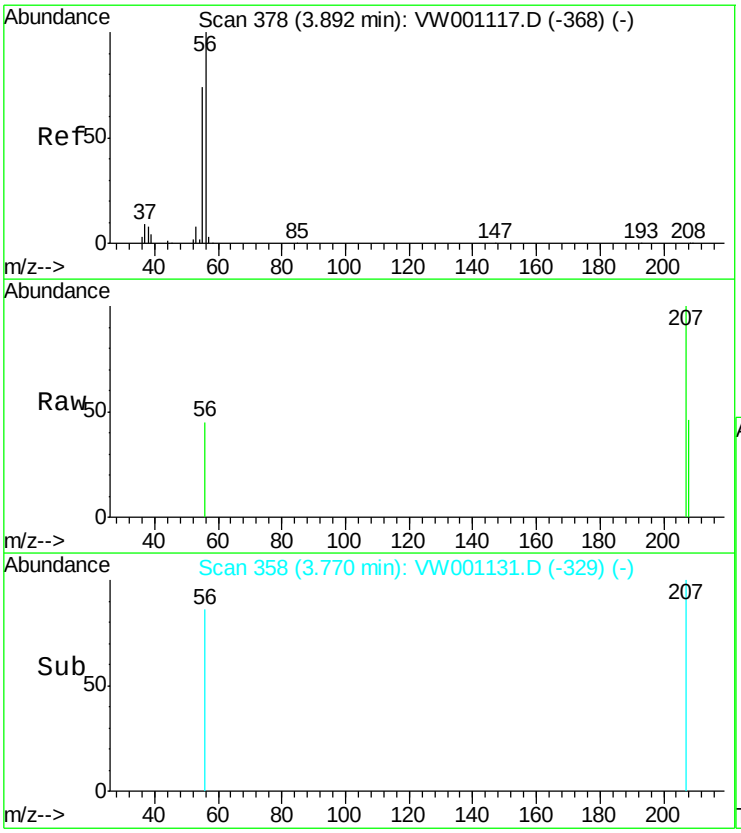

#10
Methyl Iodide
Concen: 12.50 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:142 Resp: 1311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 37.6 | 35.4 | 53.2 |
| 141 | 7.3 | 11.6 | 17.4# |

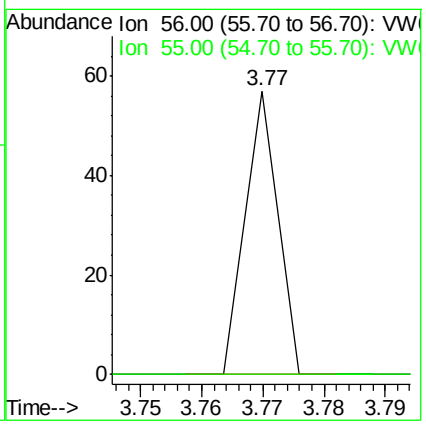


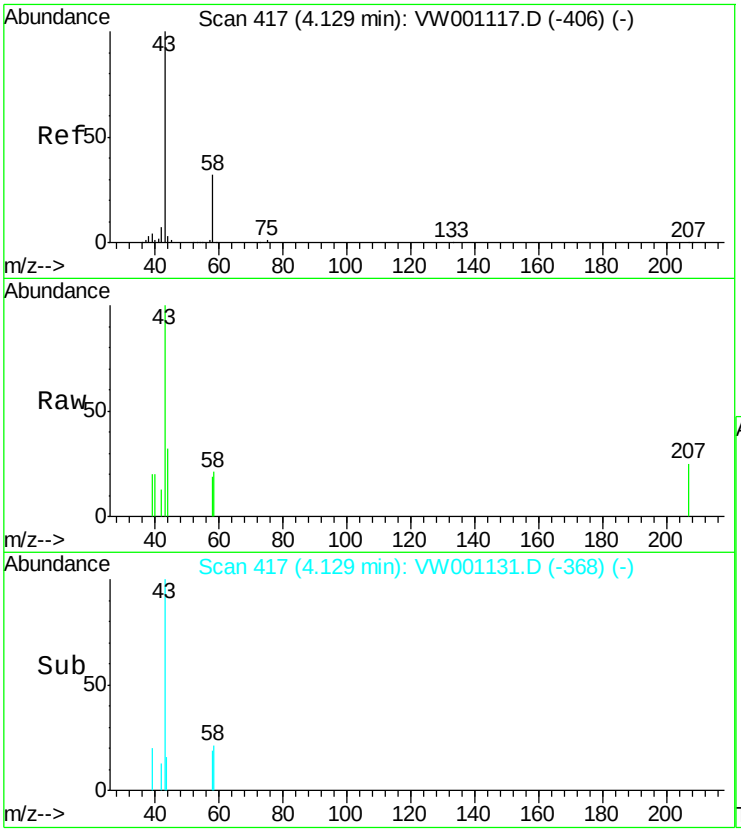




#13
Acrolein
Concen: 1.54 ug/l
RT: 3.77 min Scan# 358
Delta R.T. -0.12 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 56 Resp: 21

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 58.2 | 87.4# |



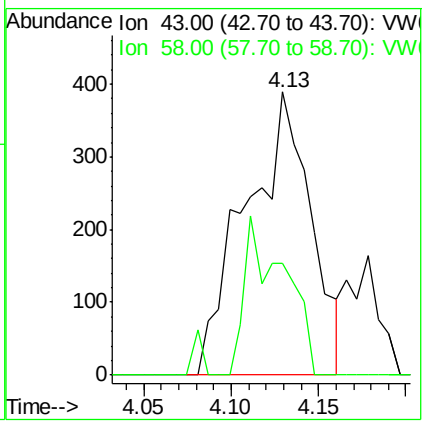


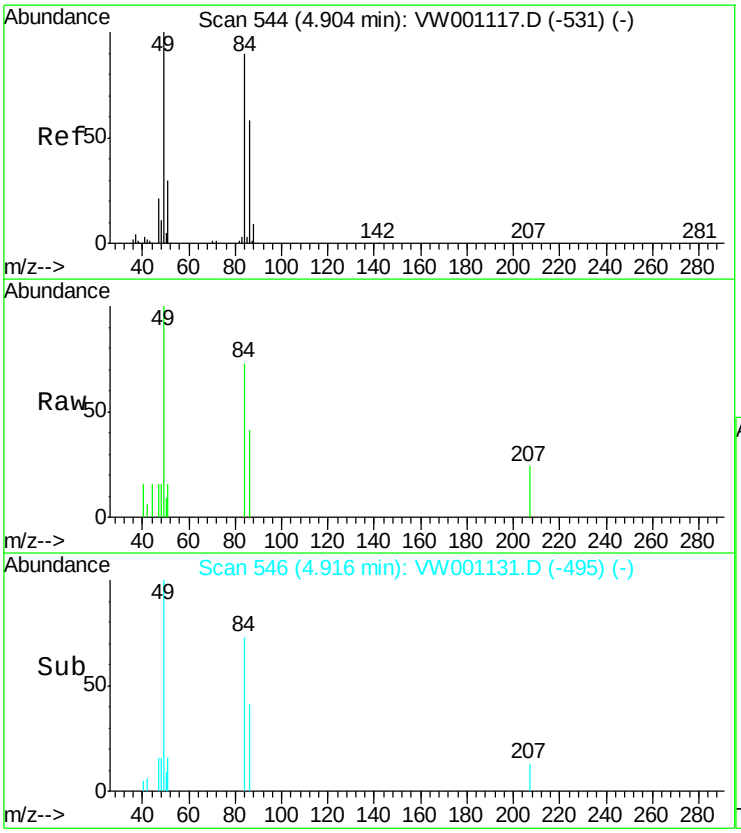

#16
Acetone
Concen: 36.20 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion: 43 Resp: 1009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.6 | 25.7 | 38.5# |

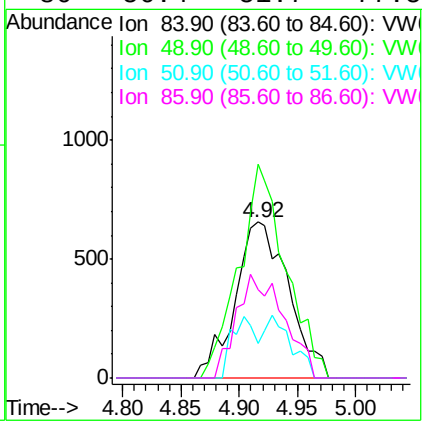


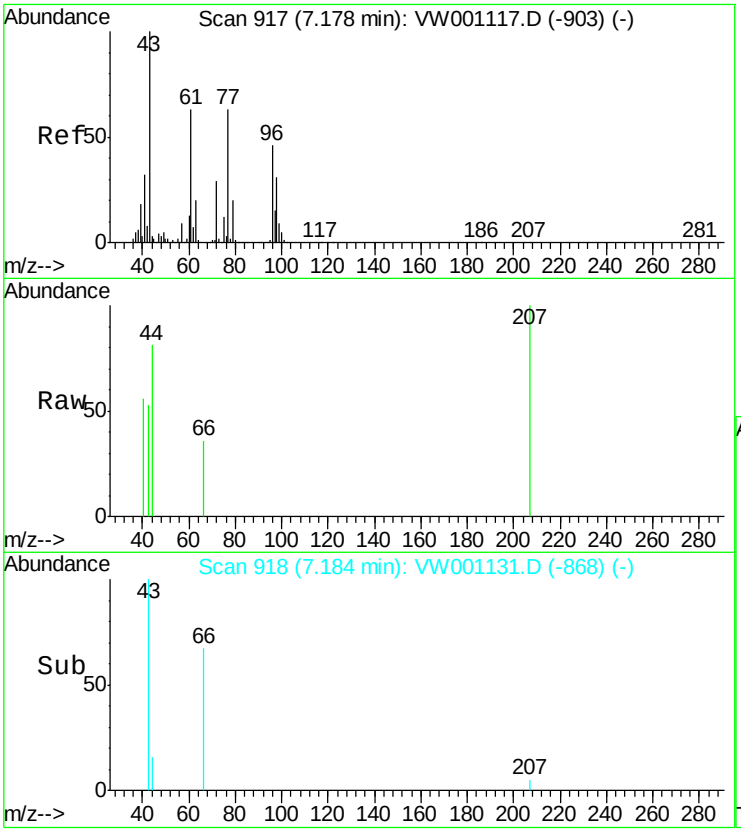




#20
Methylene Chloride
Concen: 21.32 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 84 Resp: 2095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.9 | 89.2 | 133.8# |
| 51 | 22.6 | 26.7 | 40.1# |
| 86 | 56.4 | 51.7 | 77.5 |



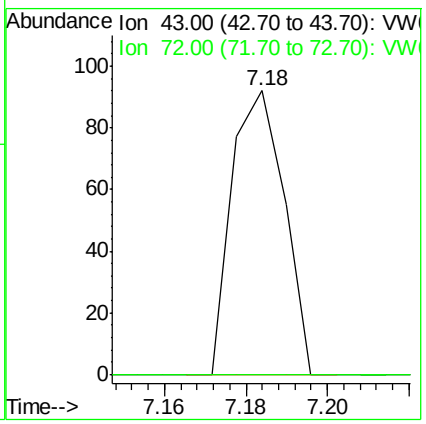


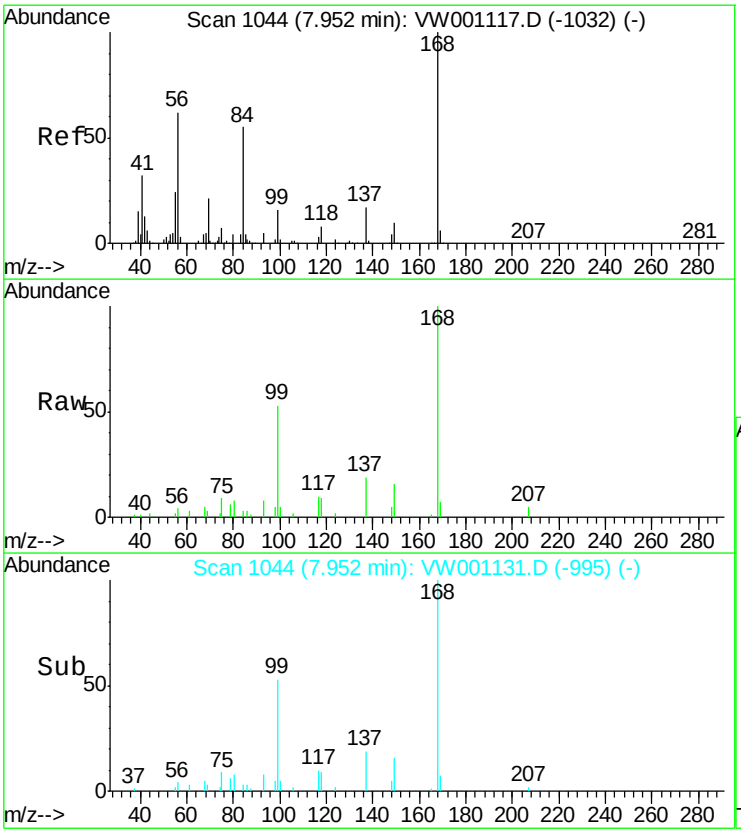

#25
2-Butanone
Concen: 2.24 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion: 43 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 22.8 | 34.2# |

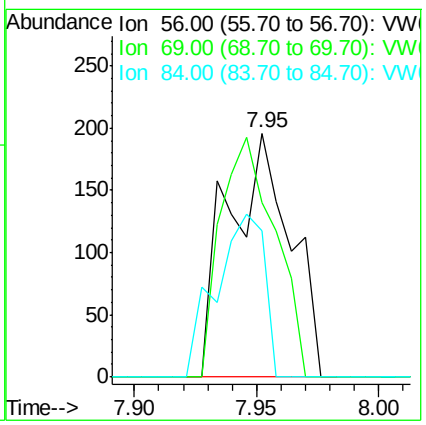


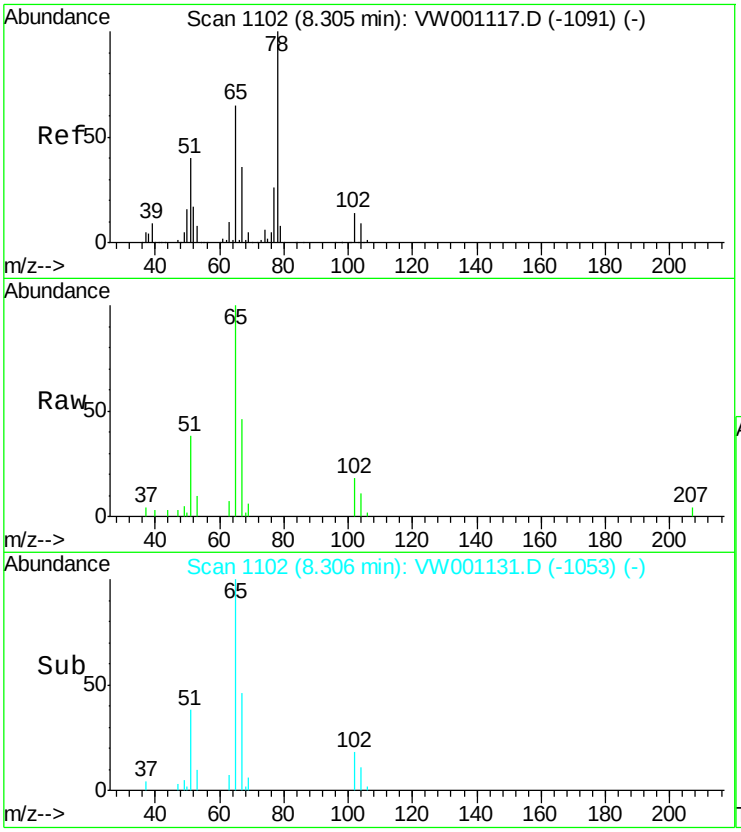




#31
Cyclohexane
Concen: 2.21 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 56 Resp: 348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 71.4 | 27.4 | 41.0# |
| 84 | 60.2 | 71.1 | 106.7# |



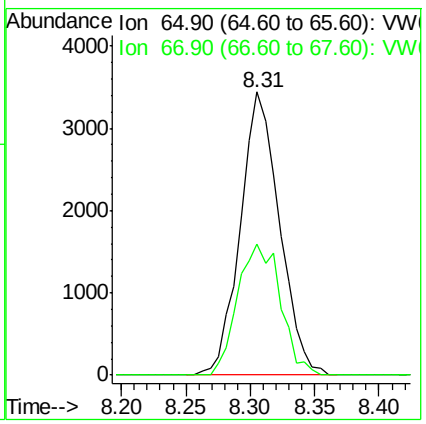


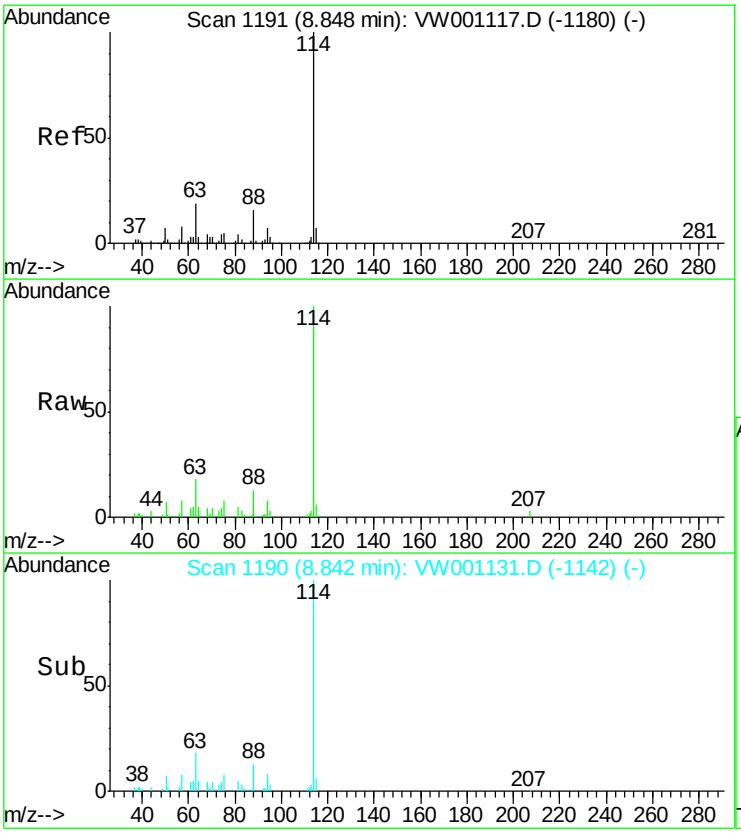

#33
1,2-Dichloroethane-d4
Concen: 68.30 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion: 65 Resp: 7240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 104.2 |

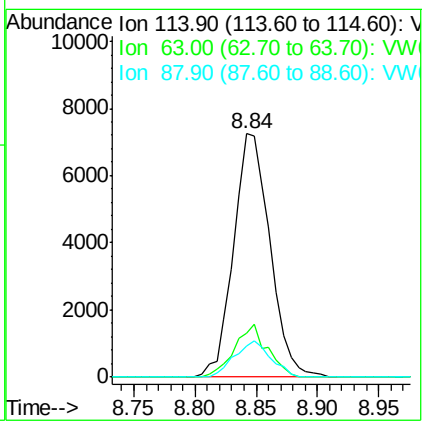


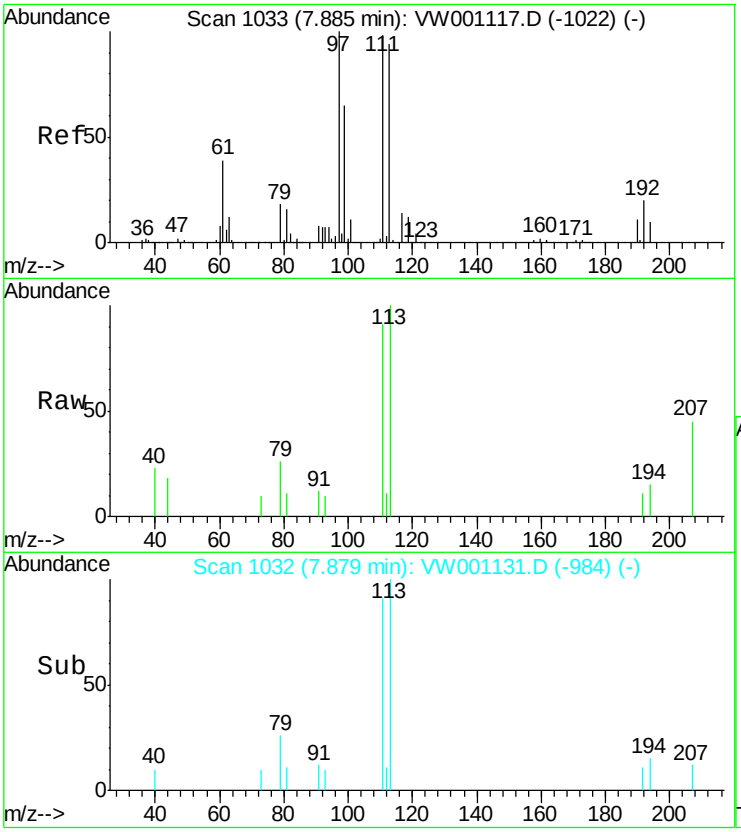




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.84 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion:114 Resp: 14983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.2 | 0.0 | 38.2 |
| 88 | 12.6 | 0.0 | 31.0 |



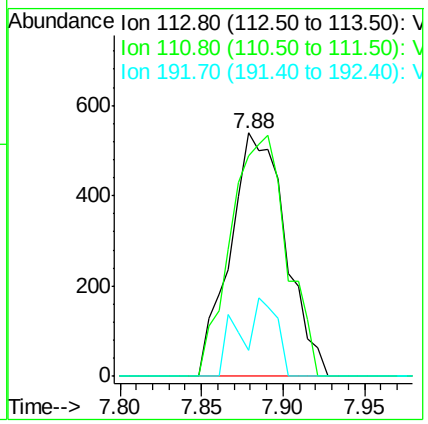


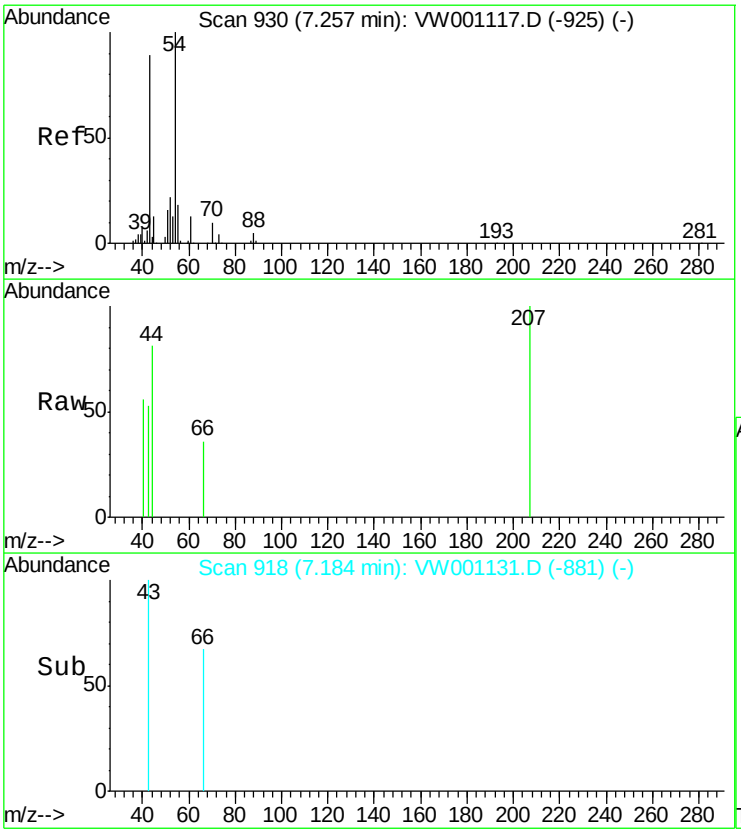

#35
Dibromofluoromethane
Concen: 13.37 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:113 Resp: 1281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.5 | 83.1 | 124.7 |
| 192 | 21.5 | 17.8 | 26.6 |

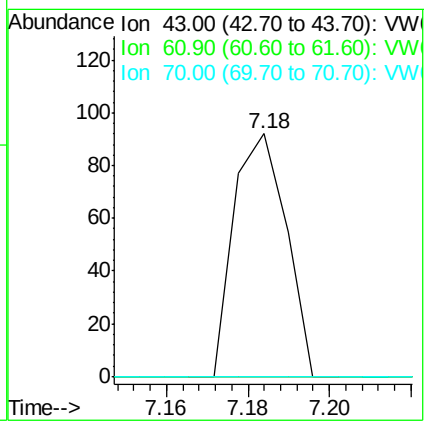


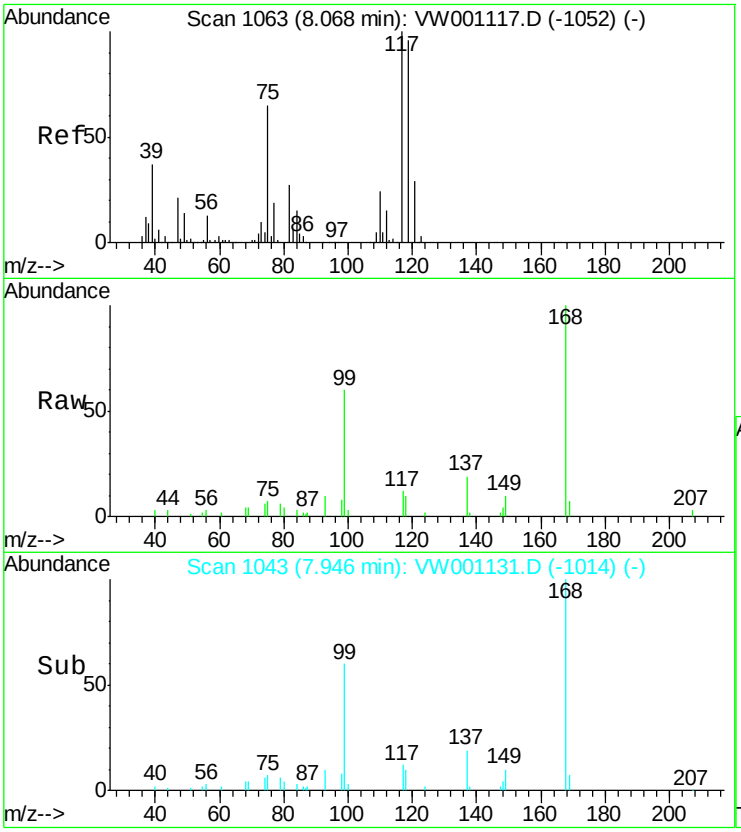




#37
Ethyl Acetate
Concen: 1.15 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.07 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 43 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.9 | 17.9# |
| 70 | 0.0 | 9.4 | 14.0# |



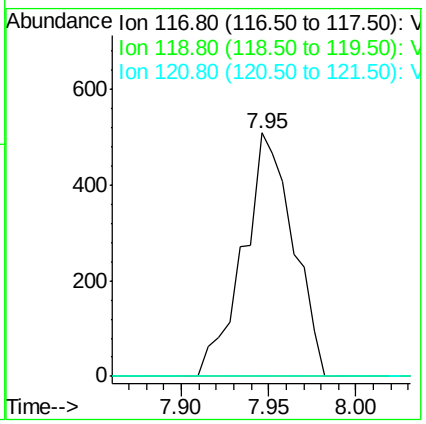


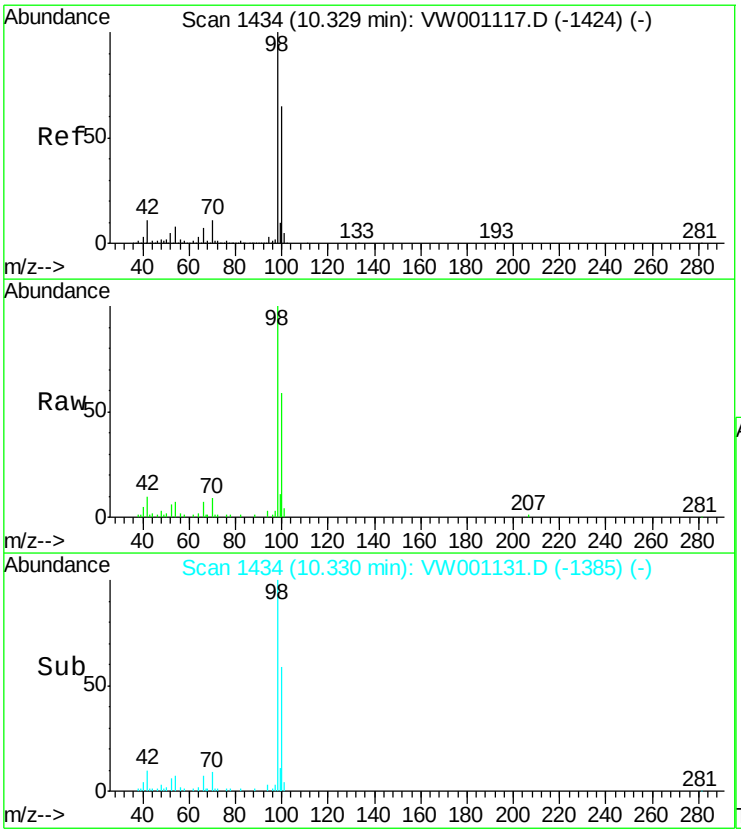

#38
Carbon Tetrachloride
Concen: 6.69 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:117 Resp: 1011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 77.0 | 115.4# |
| 121 | 0.0 | 23.5 | 35.3# |

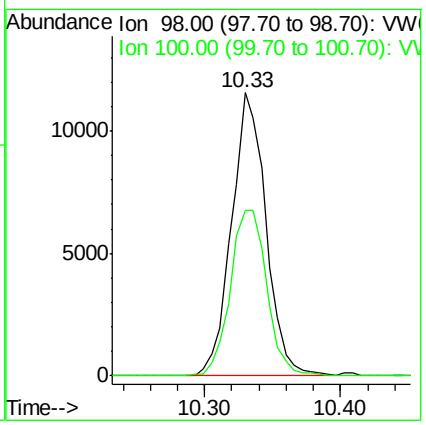


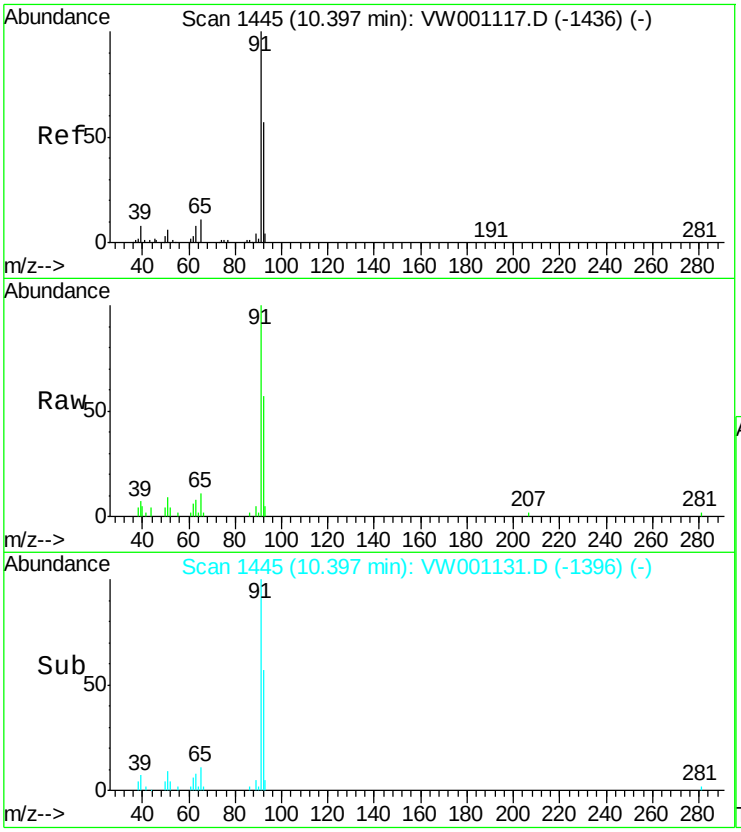




#50
Toluene-d8
Concen: 55.06 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 98 Resp: 20311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.1 | 51.3 | 76.9 |



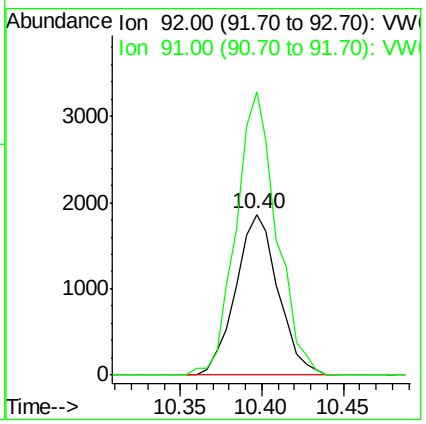


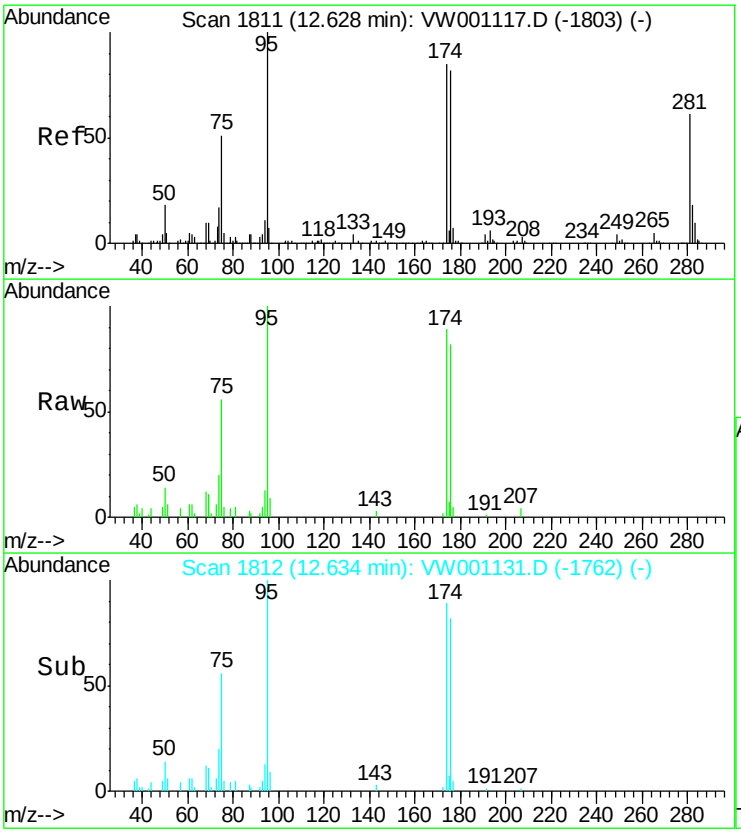

#52
Toluene
Concen: 14.00 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion: 92 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.3 | 140.6 | 211.0 |

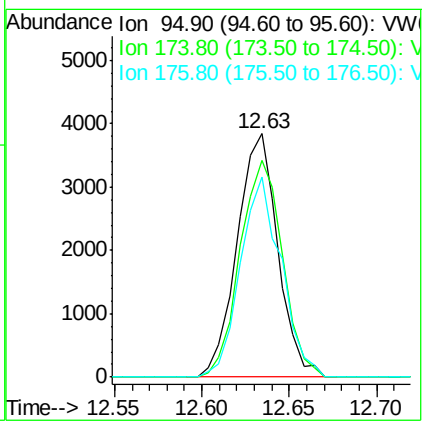


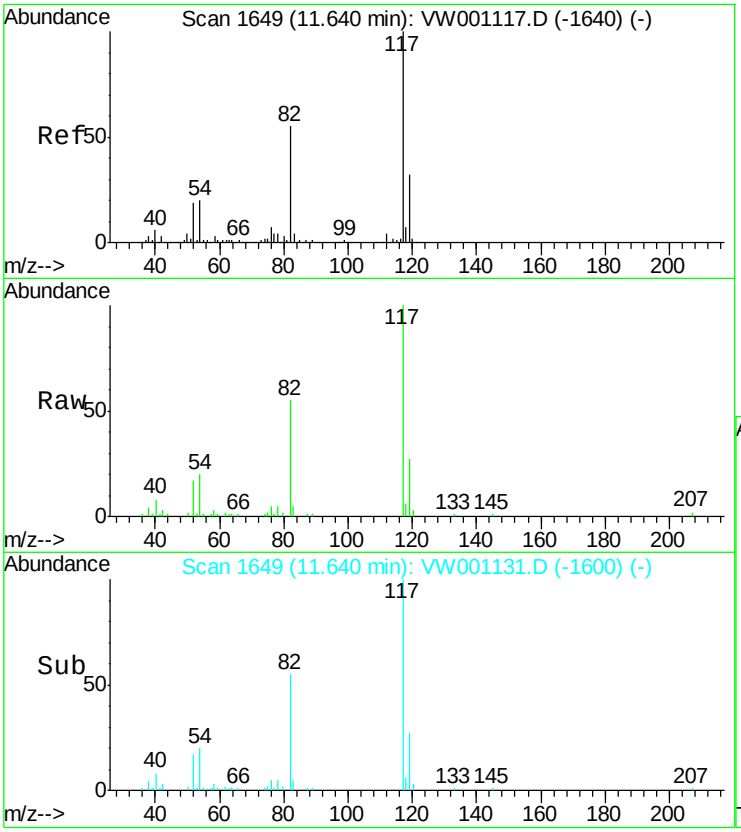




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 95 Resp: 6242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.8 | 0.0 | 179.6 |
| 176 | 82.2 | 0.0 | 174.4 |



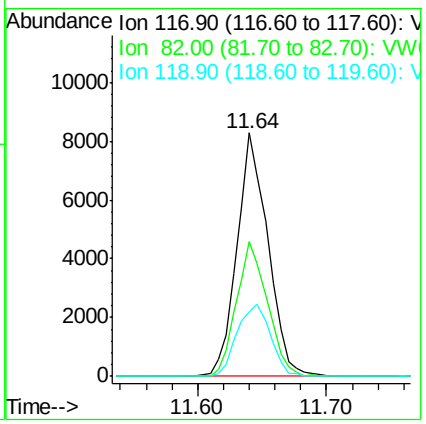


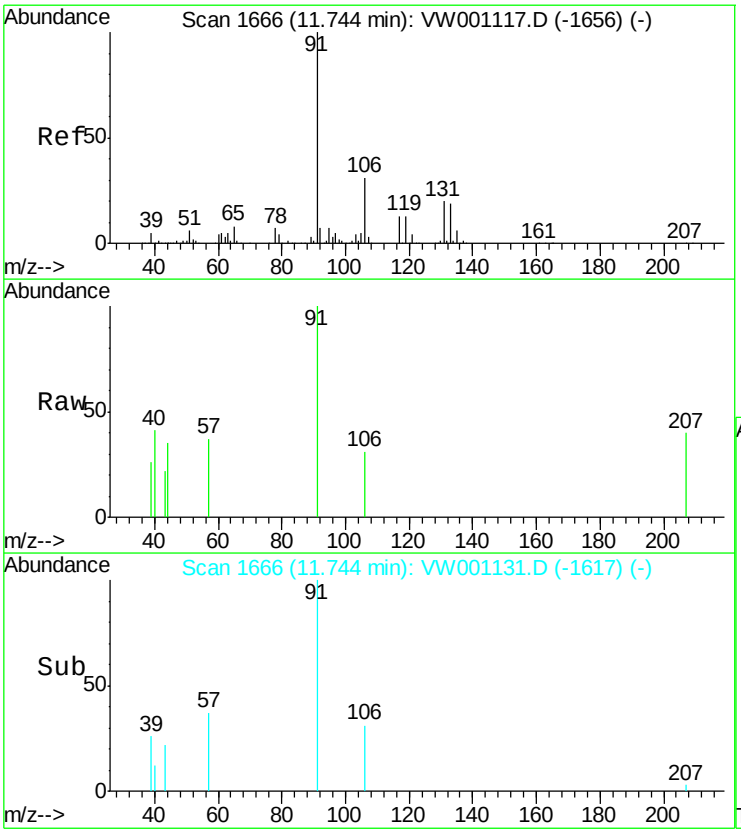

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:117 Resp: 13780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 43.8 | 65.8 |
| 119 | 26.7 | 25.8 | 38.8 |

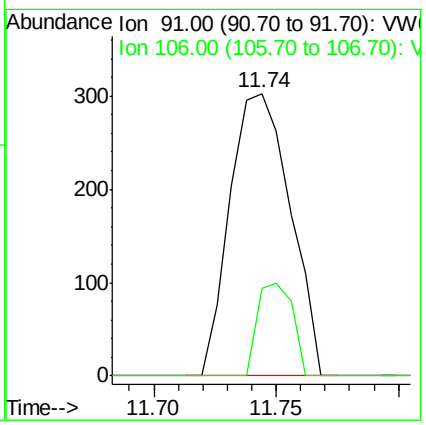


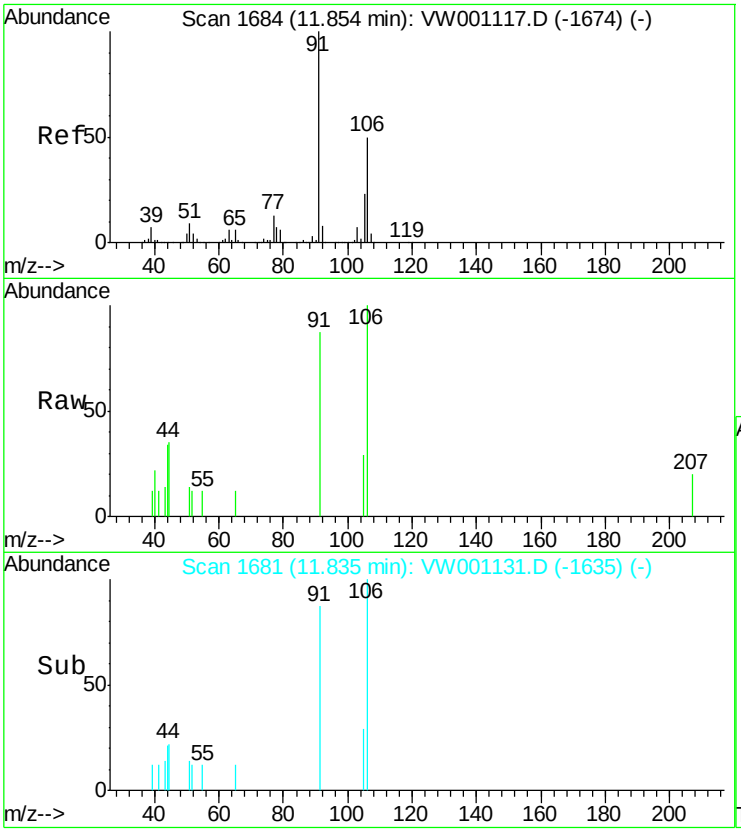




#67
Ethyl Benzene
Concen: 1.12 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 91 Resp: 521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 24.6 | 36.8 |



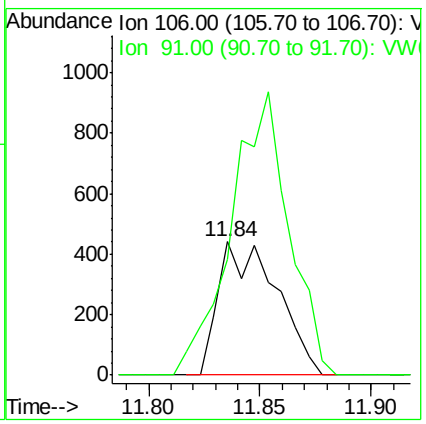


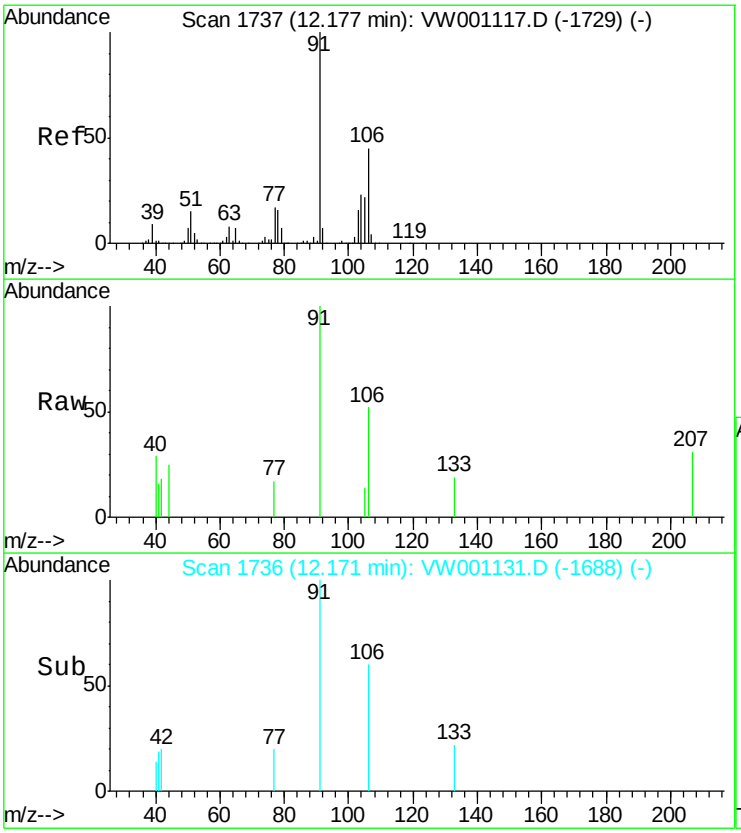

#68
m/p-Xylenes
Concen: 4.42 ug/l
RT: 11.84 min Scan# 1681
Delta R.T. -0.02 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion:106 Resp: 799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.4 | 163.1 | 244.7 |

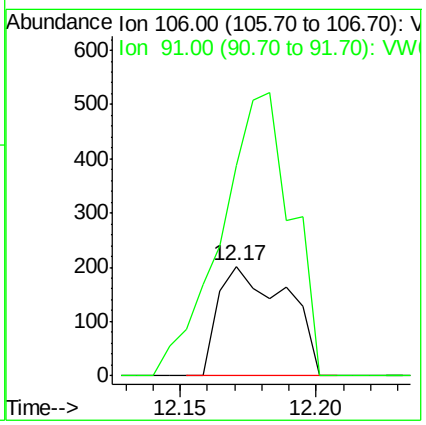


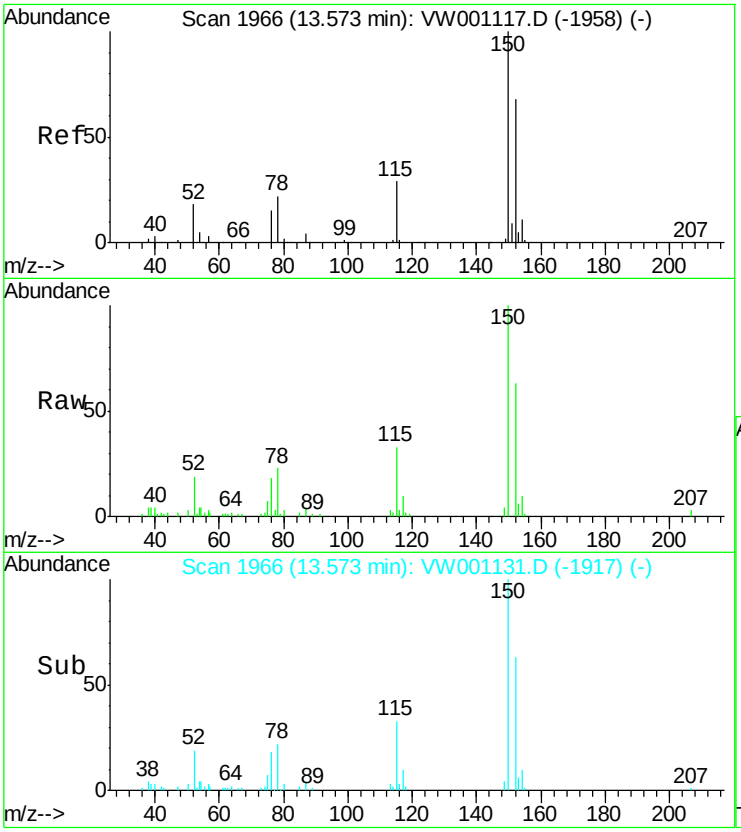




#69
o-Xylene
Concen: 2.09 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion:106 Resp: 349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 267.3 | 107.6 | 322.8 |



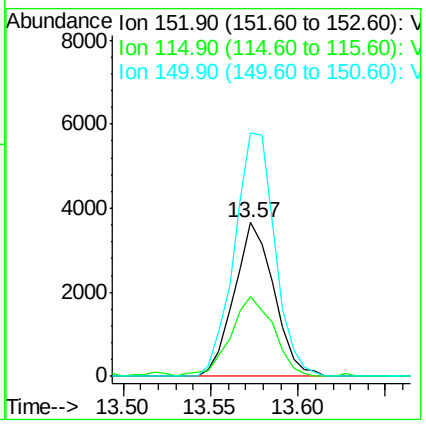


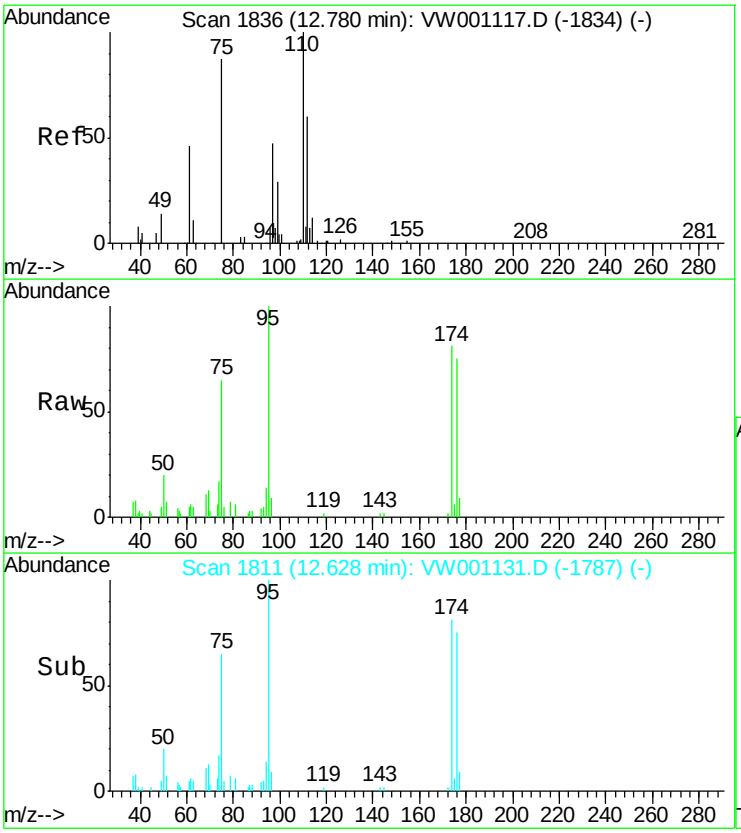

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion:152 Resp: 5786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.4 | 28.4 | 85.3 |
| 150 | 160.9 | 0.0 | 342.4 |

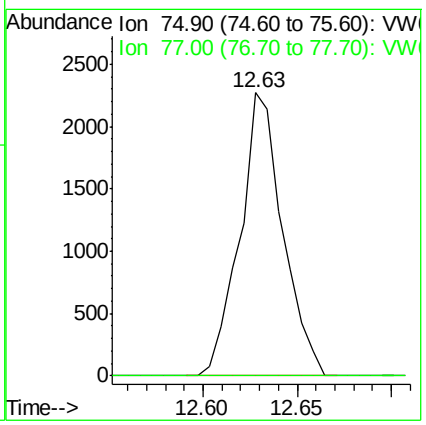


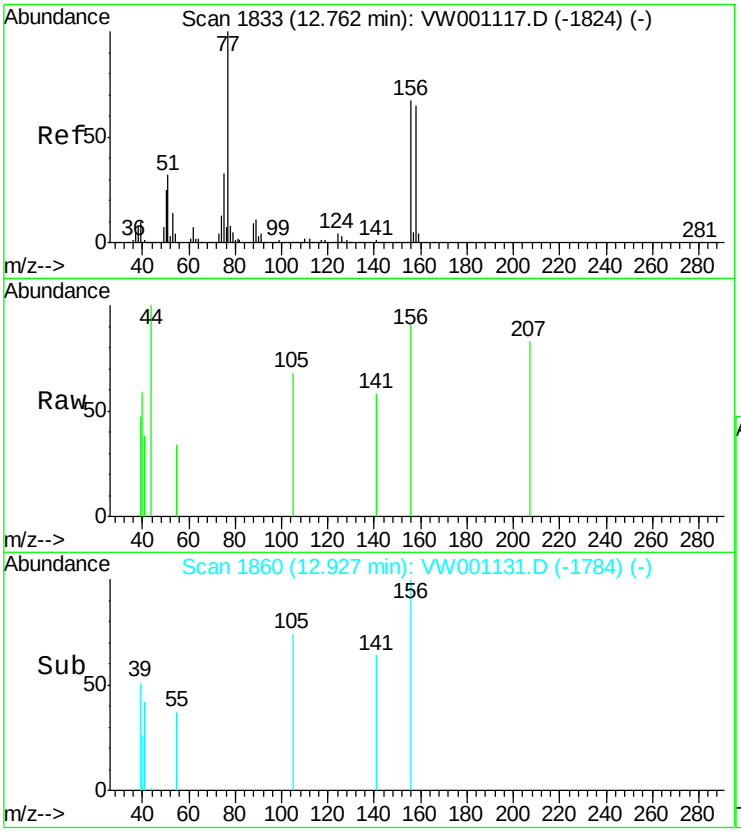




#76
1,2,3-Trichloropropane
Concen: 61.00 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 75 Resp: 3577

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



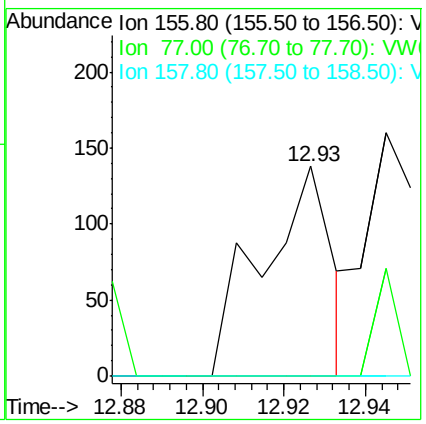


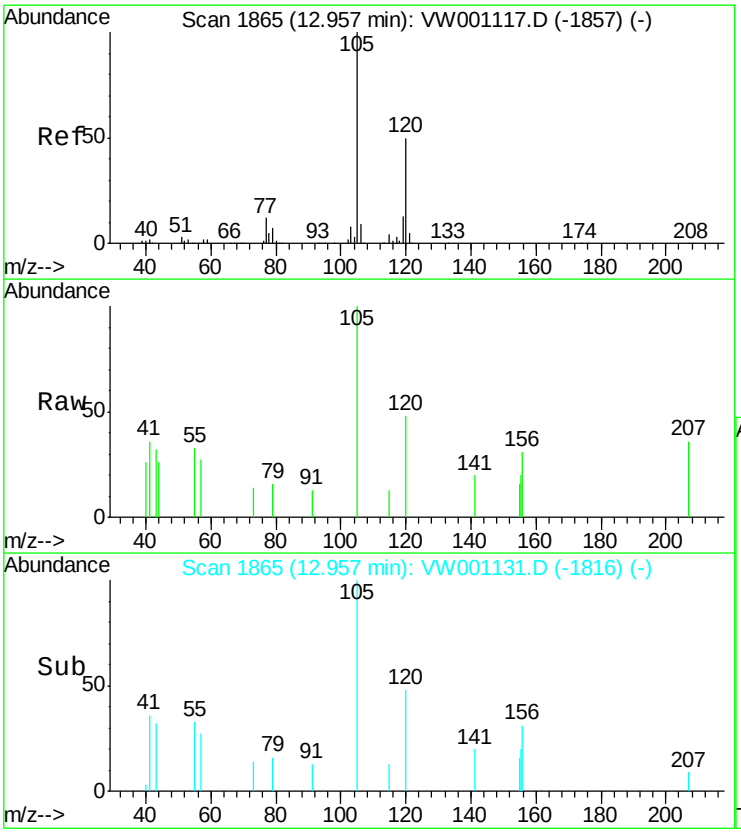

#77
Bromobenzene
Concen: 1.74 ug/l
RT: 12.93 min Scan# 1860
Delta R.T. 0.16 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:156 Resp: 164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 15.9 | 85.3 | 255.8# |
| 158 | 0.0 | 48.9 | 146.7# |

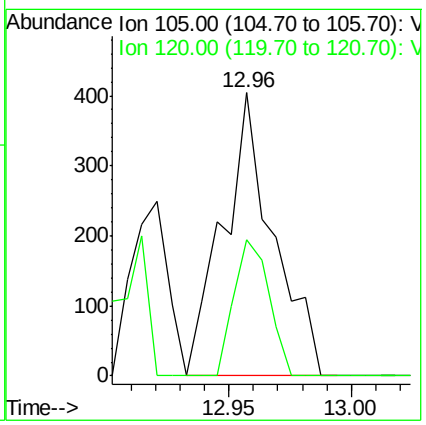


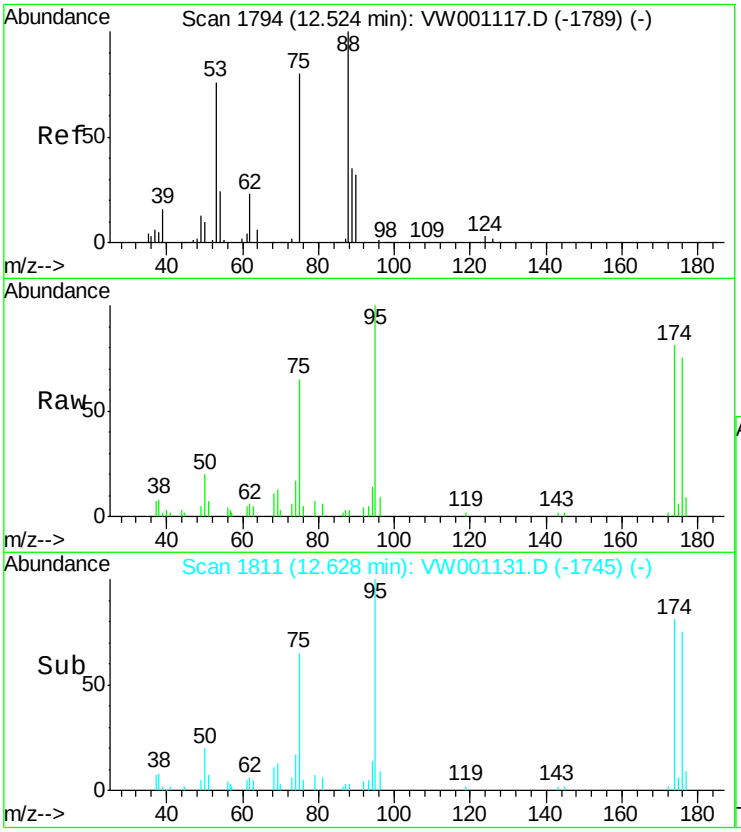




#80
1,3,5-Trimethylbenzene
Concen: 1.86 ug/l
RT: 12.96 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion:105 Resp: 576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 33.7 | 24.9 | 74.7 |



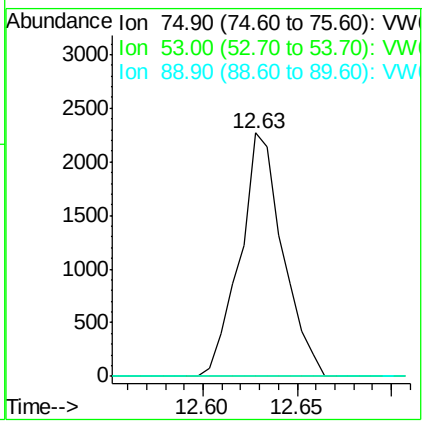


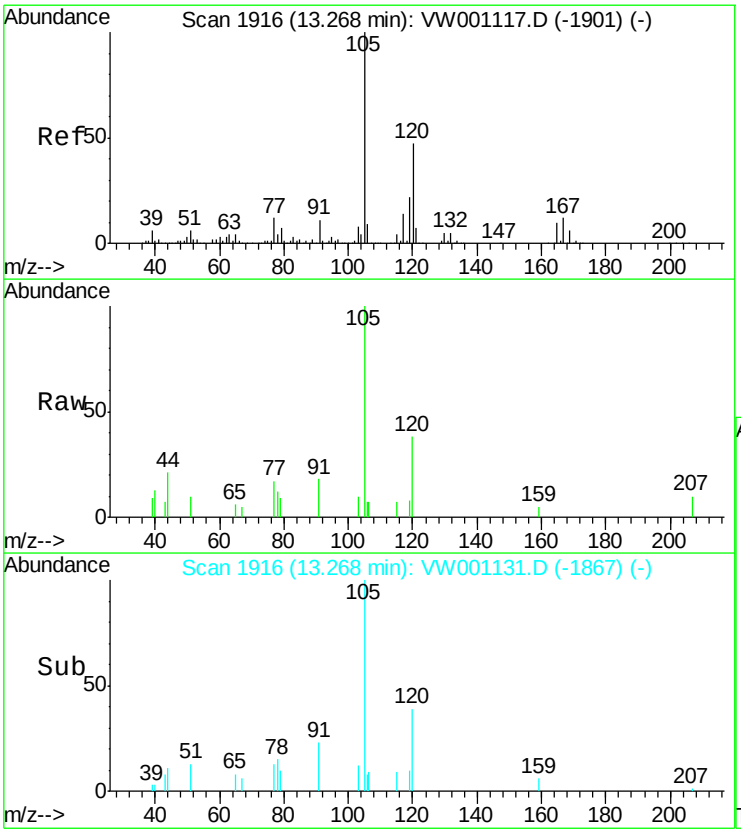

#81
trans-1,4-Dichloro-2-butene
Concen: 160.39 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.10 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion: 75 Resp: 3577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 75.0 | 112.6# |
| 89 | 0.0 | 38.2 | 57.4# |

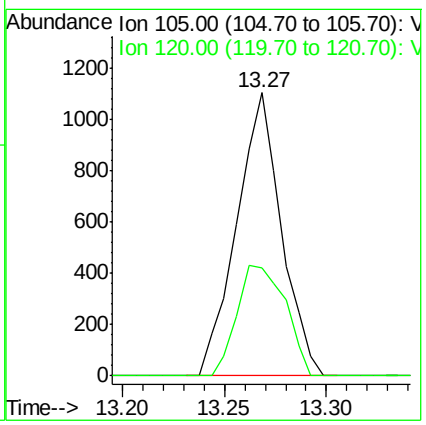


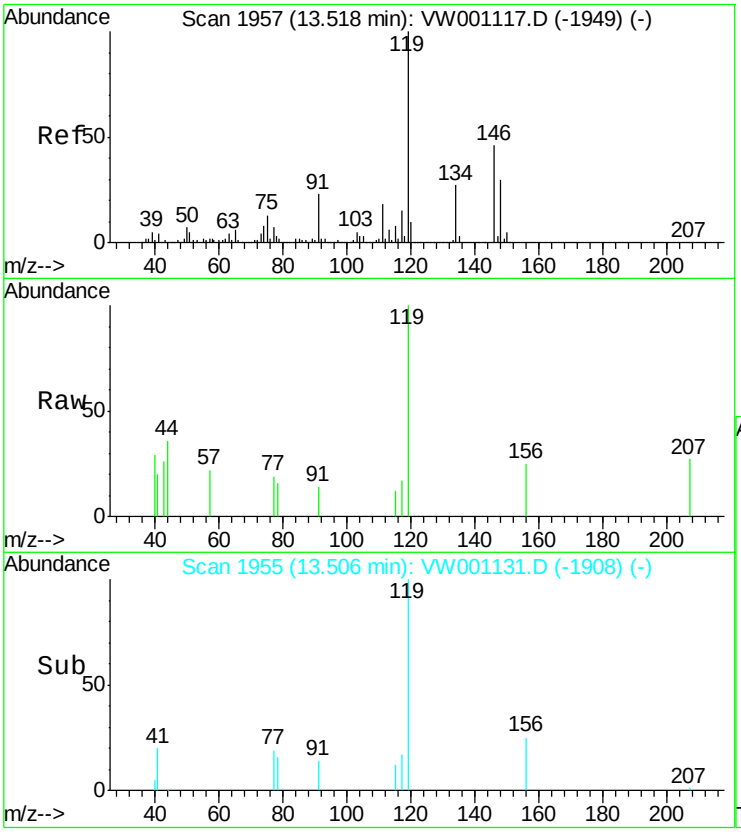




#84
1,2,4-Trimethylbenzene
Concen: 5.33 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion:105 Resp: 1681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.2 | 22.9 | 68.8 |



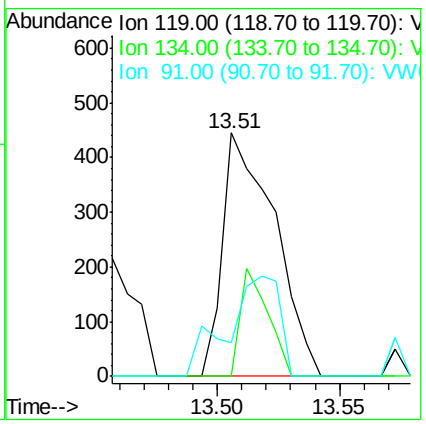


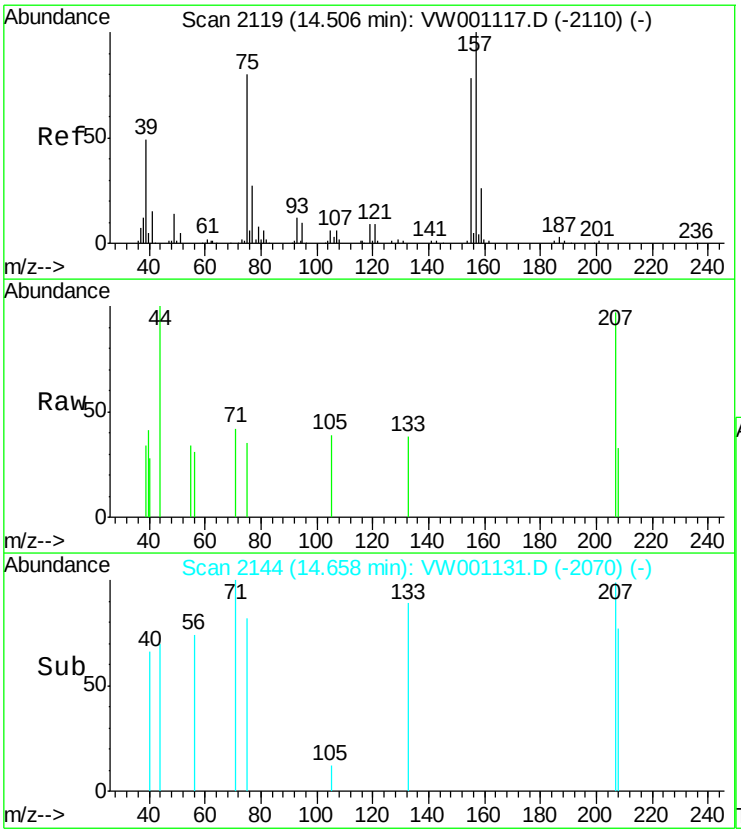

#86
p-Isopropyltoluene
Concen: 1.91 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :** MSVOA_W
**ClientSampleId :** AU-05-012518-D

Tgt Ion:119 Resp: 658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 23.4 | 13.4 | 40.1 |
| 91 | 41.5 | 11.8 | 35.4# |

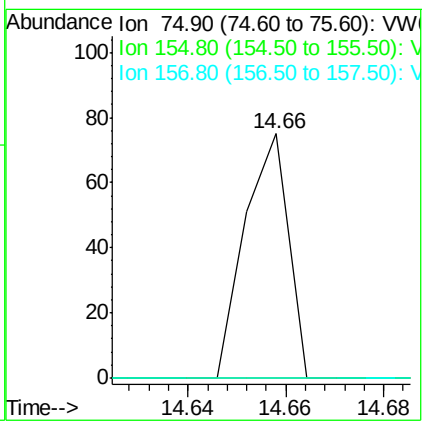


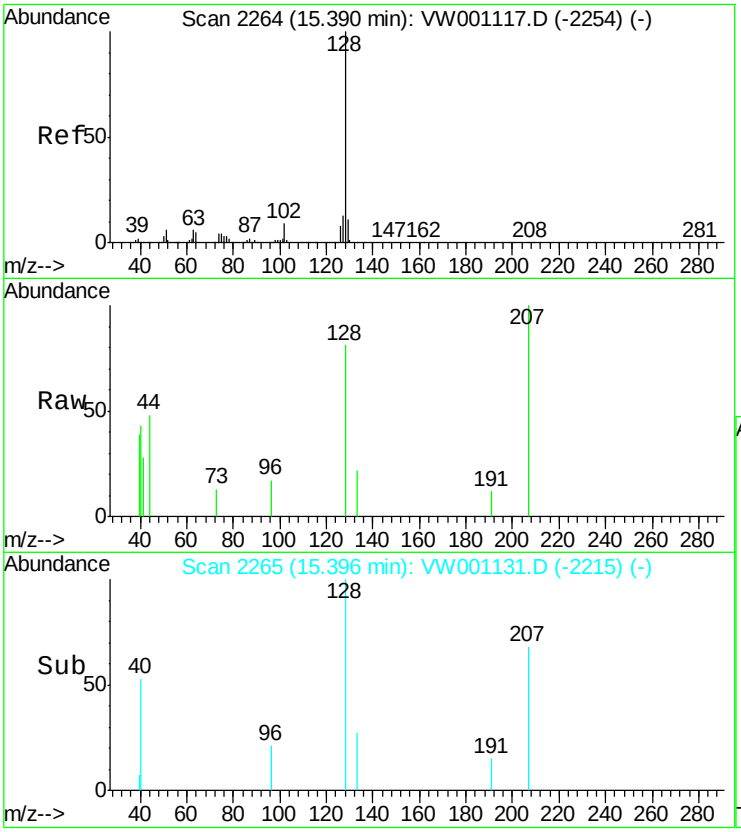




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.08 ug/l
RT: 14.66 min Scan# 2144
Delta R.T. 0.15 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

Tgt Ion: 75 Resp: 46

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 46.3 | 138.9# |
| 157 | 0.0 | 60.0 | 180.0# |






#95
Naphthalene
Concen: 2.57 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VW001131.D
Acq: 29 Jan 2018 20:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
AU-05-012518-D

Tgt Ion:128 Resp: 634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.7 | 16.1# |
| 129 | 6.8 | 8.7 | 13.1# |