Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005289.D
Acq On : 11 Sep 2018 21:00
Operator : SY/AP
Sample : J4769-03
Misc : 5.99G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Quant Time: Sep 12 01:04:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.96 | 168 | 455481 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 762465 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.64 | 117 | 655816 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 273561 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 207035 | 60.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 121.88% | | | |
| 35) Dibromofluoromethane | 7.89 | 113 | 173916 | 43.54 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 87.08% | | | |
| 50) Toluene-d8 | 10.33 | 98 | 742930 | 36.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 73.62% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 227177 | 30.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 61.54% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.76 | 94 | 634 | Below Cal | # | 63 |
| 10) Methyl Iodide | 4.27 | 142 | 327 | 3.390 | ug/l # | 45 |
| 11) Tert butyl alcohol | 5.16 | 59 | 2766 | 9.928 | ug/l # | 82 |
| 16) Acetone | 4.14 | 43 | 31290 | 49.621 | ug/l | 97 |
| 18) Methyl Acetate | 4.68 | 43 | 3068 | 1.630 | ug/l # | 82 |
| 20) Methylene Chloride | 4.92 | 84 | 14090 | Below Cal | | 95 |
| 25) 2-Butanone | 7.14 | 43 | 2701 | 2.716 | ug/l # | 43 |
| 29) Tetrahydrofuran | 7.54 | 42 | 1167 | 1.741 | ug/l # | 90 |
| 31) Cyclohexane | 7.96 | 56 | 7728 | 1.063 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 30325 | 4.341 | ug/l # | 47 |
| 38) Carbon Tetrachloride | 7.96 | 117 | 40416 | 6.176 | ug/l # | 16 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 105273 | 50.032 | ug/l # | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105 | 27537 | 1.673 | ug/l | 99 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 105273 | 117.337 | ug/l # | 16 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 89708 | 5.424 | ug/l | 99 |
| 90) Hexachloroethane | 14.10 | 117 | 5842 | 1.991 | ug/l # | 5 |
| 95) Naphthalene | 15.38 | 128 | 16810 | 1.744 | ug/l # | 92 |

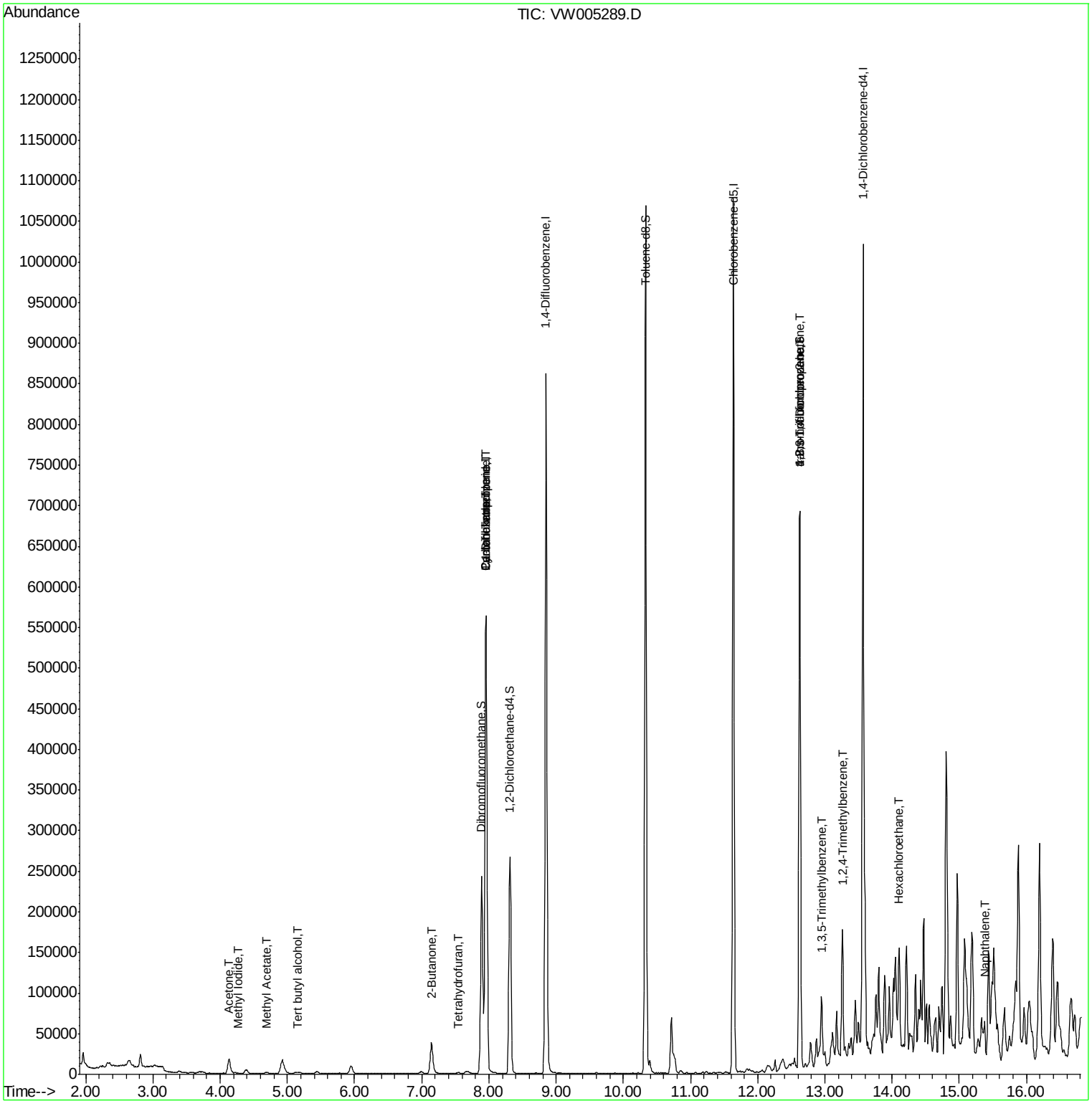
(#) = qualifier out of range (m) = manual integration (+) = signals summed

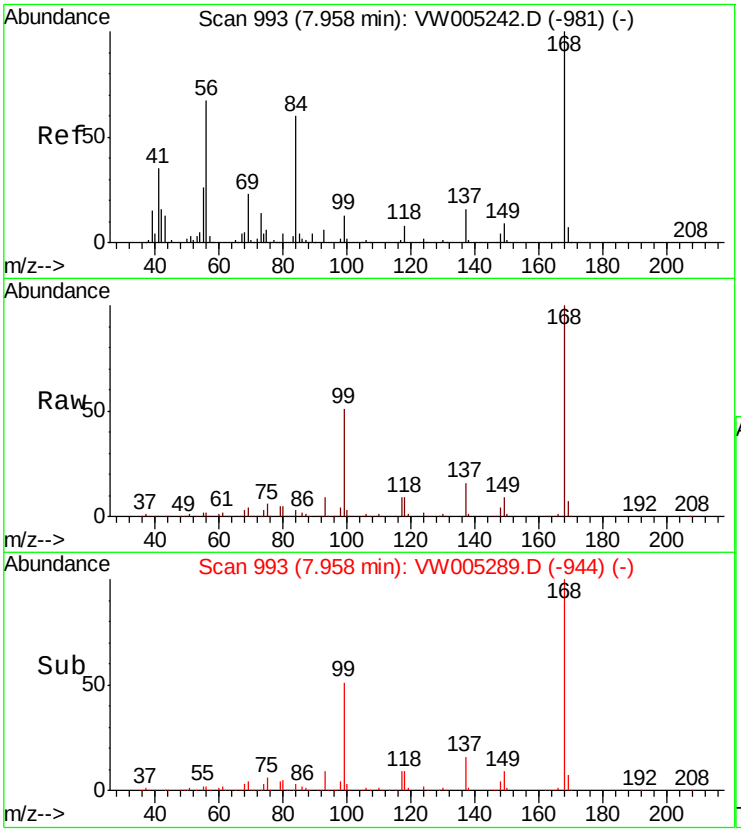
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005289.D
Acq On : 11 Sep 2018 21:00
Operator : SY/AP
Sample : J4769-03
Misc : 5.99G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Quant Time: Sep 12 01:04:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration



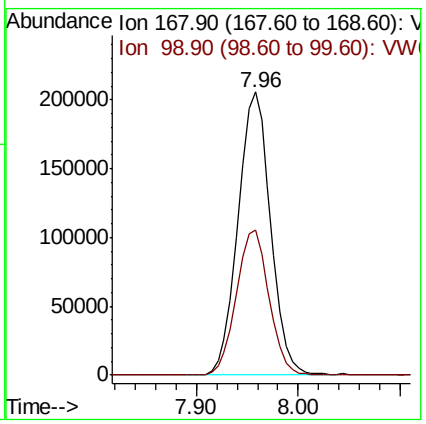


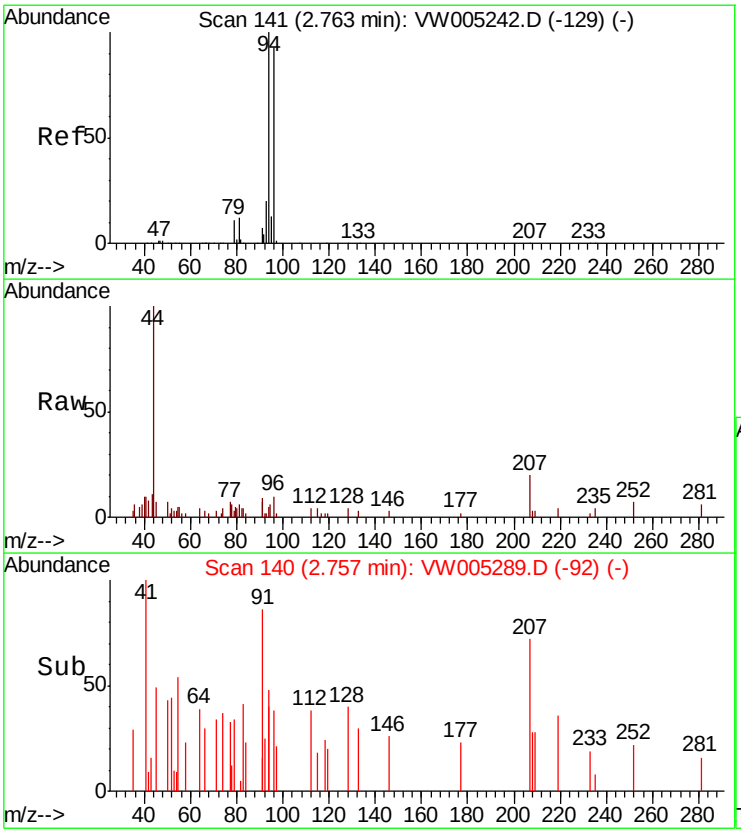

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Tgt Ion:168 Resp: 455481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.3 | 39.1 | 58.7 |

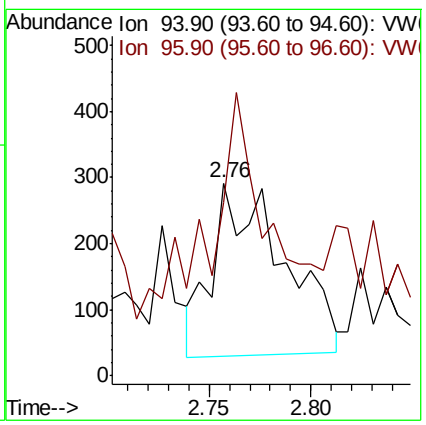


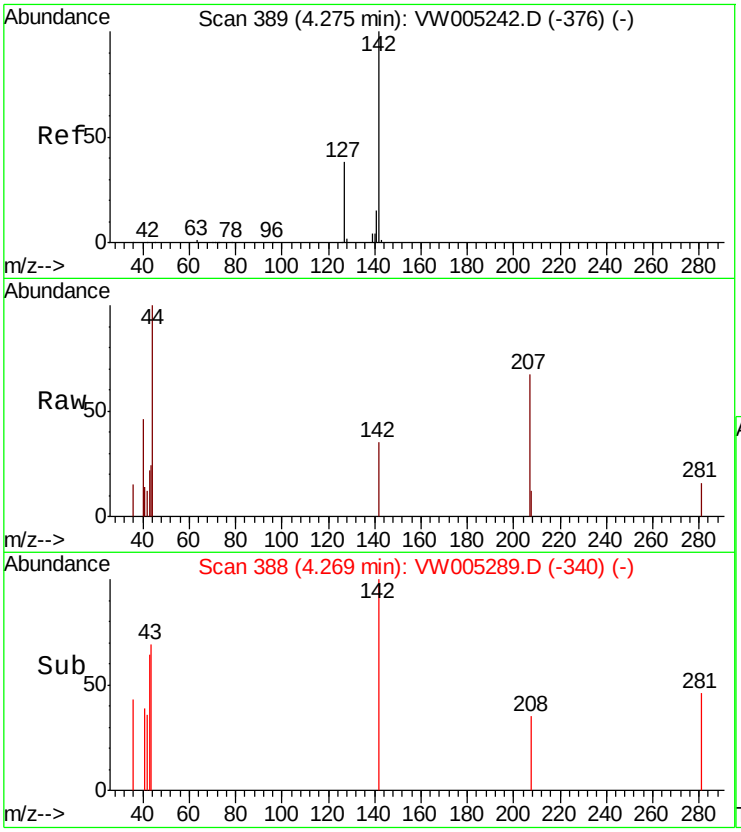




#5
Bromomethane
Concen: Below Cal
RT: 2.76 min Scan# 140
Delta R.T. -0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 94 Resp: 634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 57.3 | 74.1 | 111.1# |



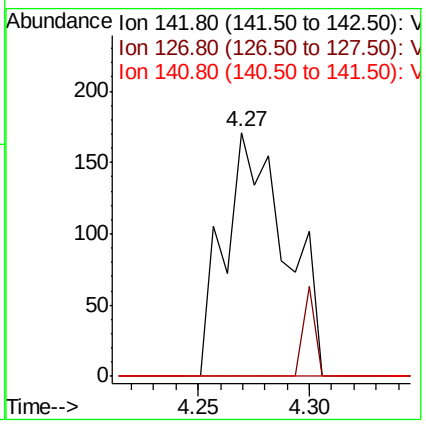


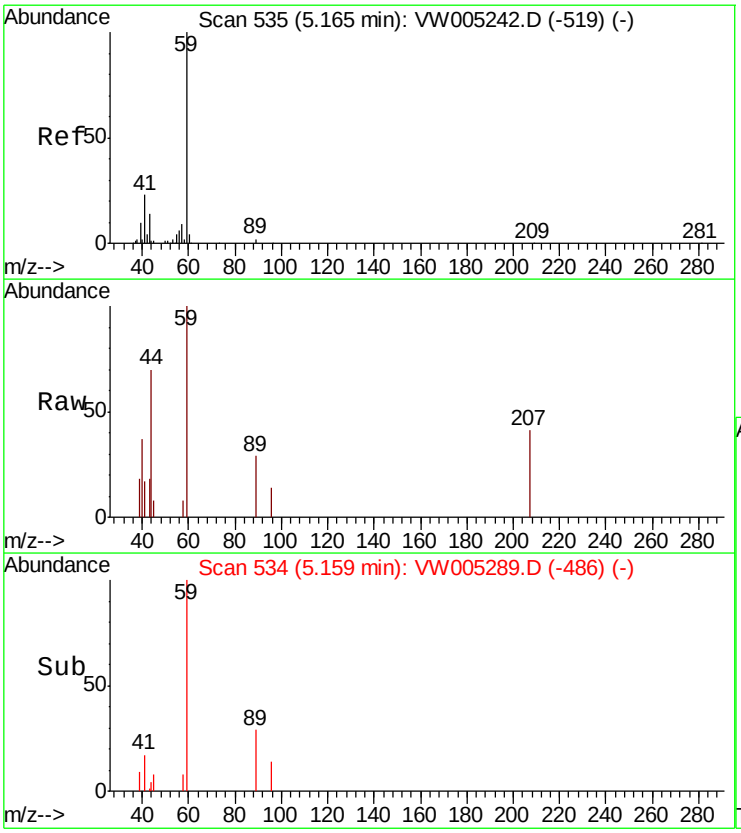

#10
Methyl Iodide
Concen: 3.390 ug/l
RT: 4.27 min Scan# 388
Delta R.T. -0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion:142 Resp: 327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 30.3 | 45.5# |
| 141 | 0.0 | 11.4 | 17.0# |

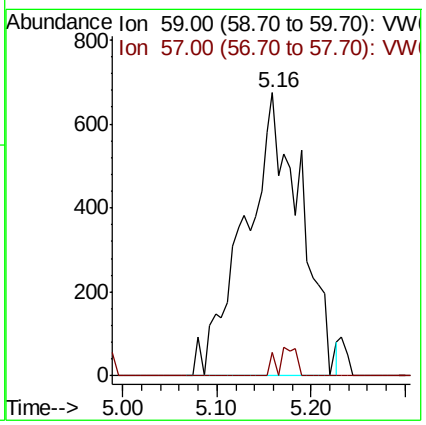


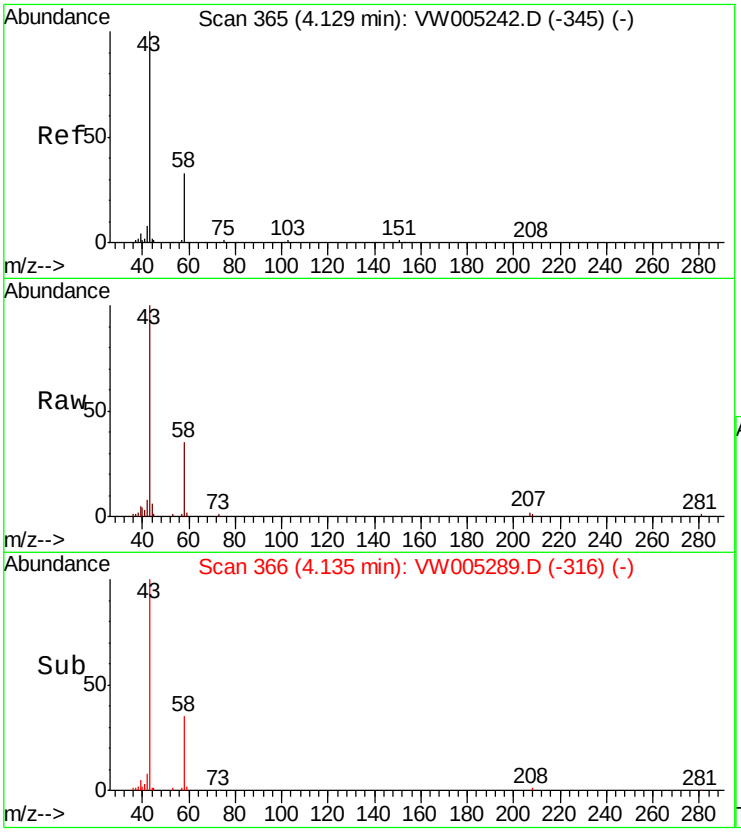




#11
Tert butyl alcohol
Concen: 9.928 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 59 Resp: 2766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.3 | 8.1 | 12.1# |



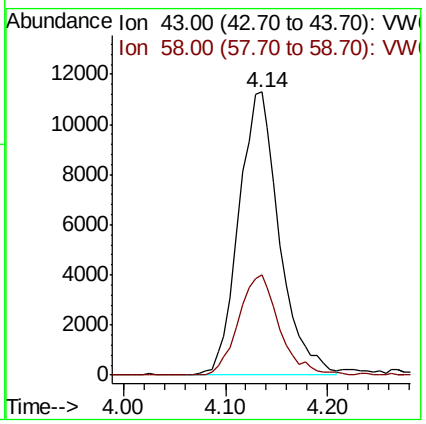


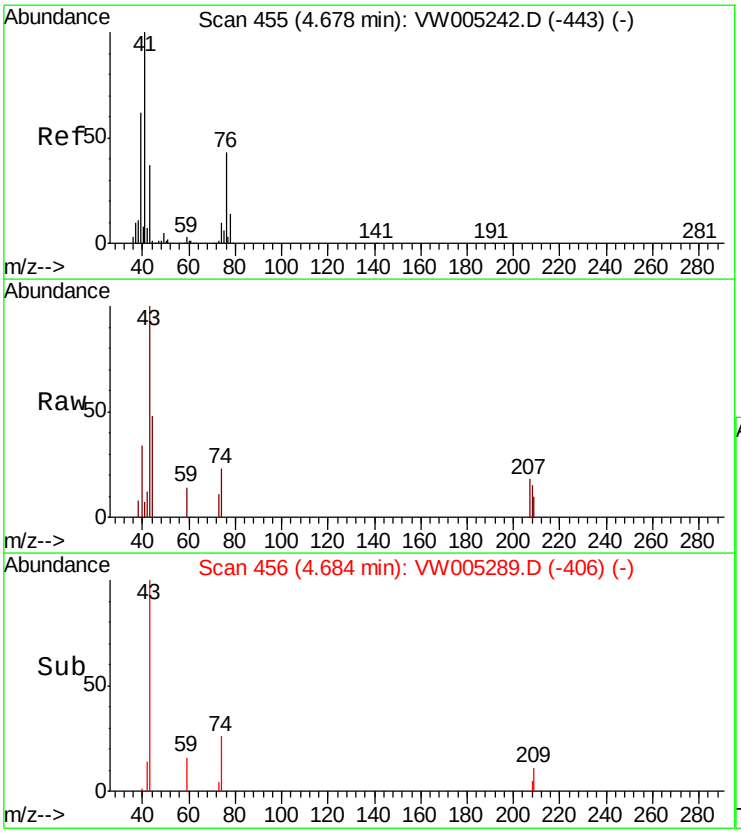

#16
Acetone
Concen: 49.621 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion: 43 Resp: 31290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.2 | 26.7 | 40.1 |

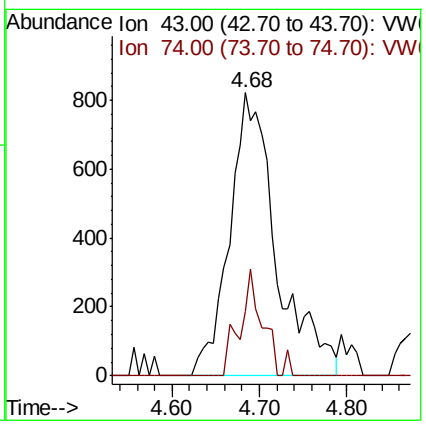


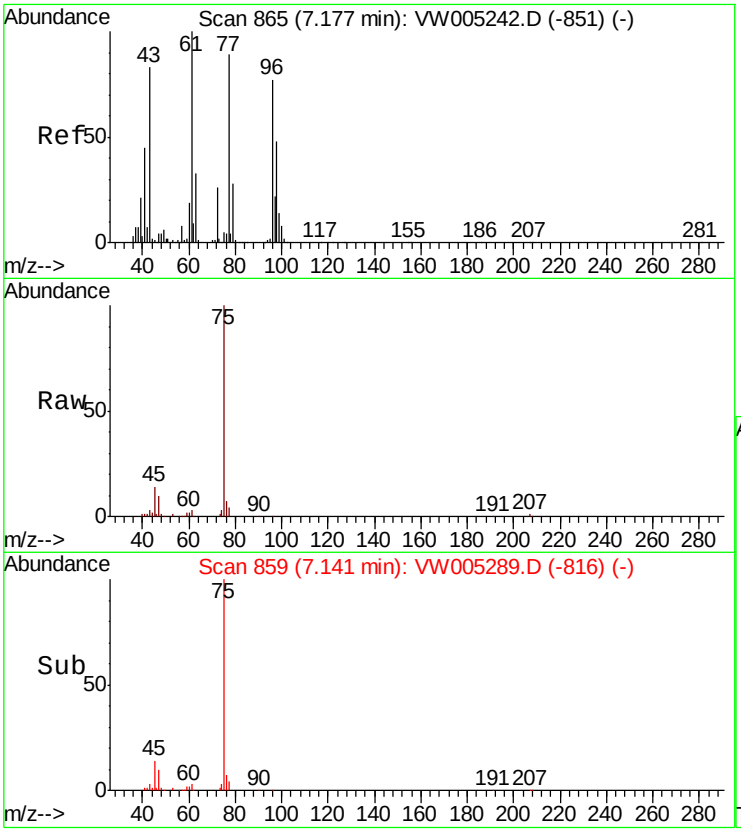




#18
Methyl Acetate
Concen: 1.630 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 43 Resp: 3068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.6 | 21.4 | 32.2# |



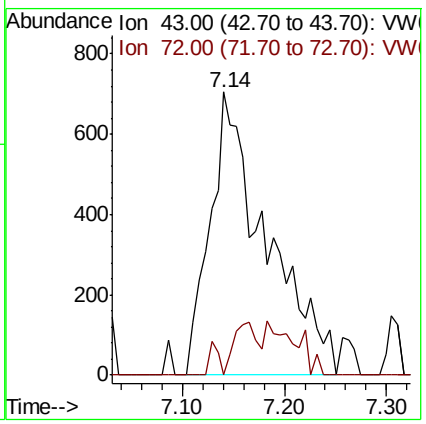


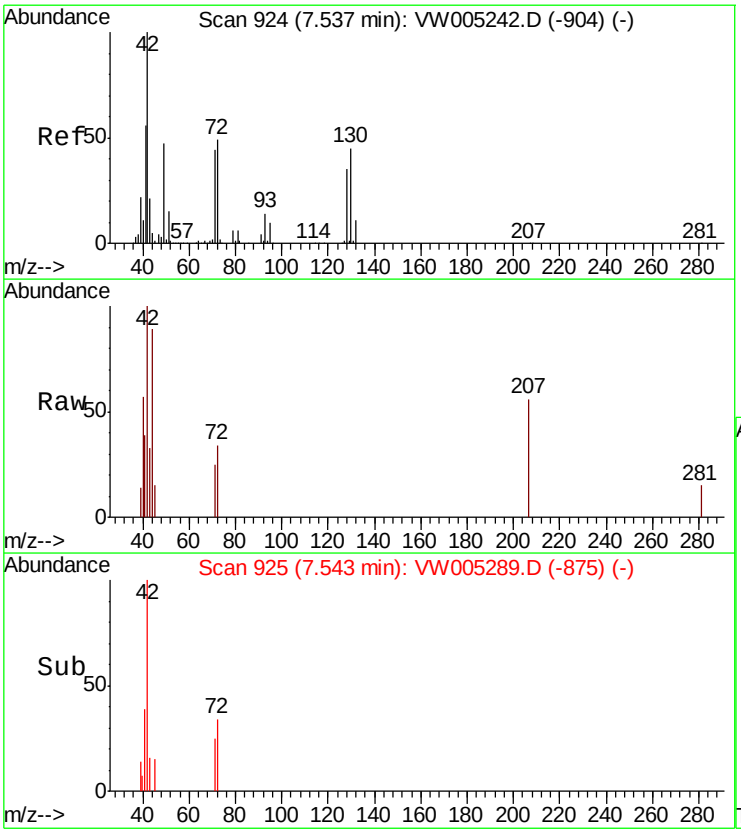

#25
2-Butanone
Concen: 2.716 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion: 43 Resp: 2701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 25.0 | 37.6# |

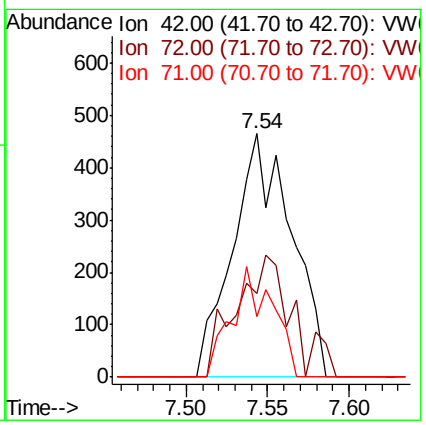


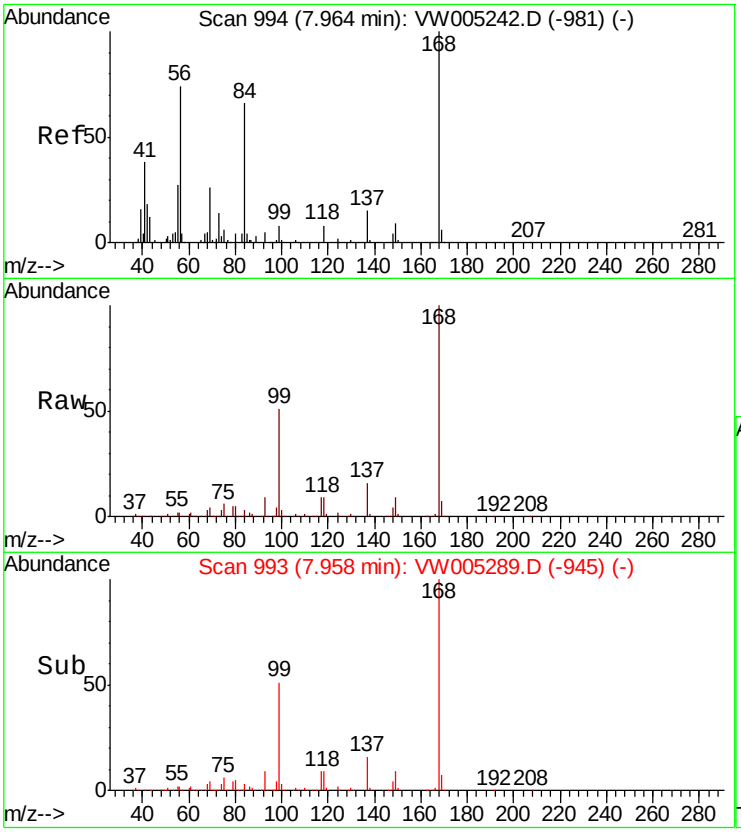




#29
Tetrahydrofuran
Concen: 1.741 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 42 Resp: 1167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 47.8 | 37.5 | 56.3 |
| 71 | 31.3 | 34.8 | 52.2# |



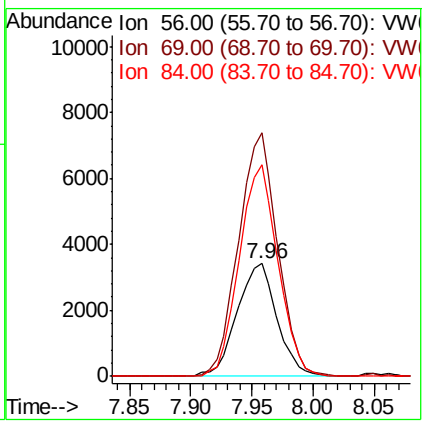


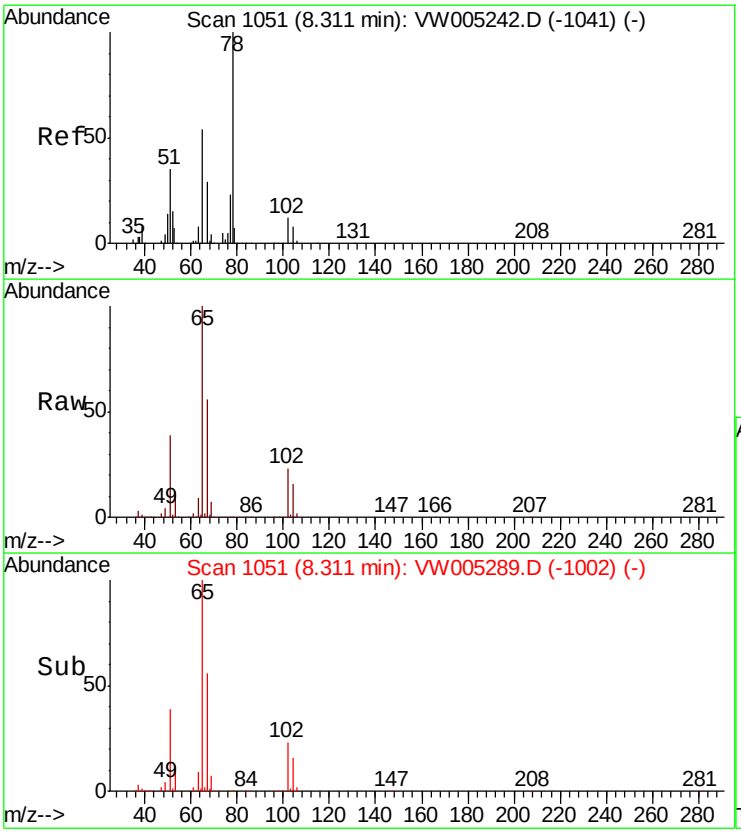

#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Tgt Ion: 56 Resp: 7728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 216.5 | 27.8 | 41.8# |
| 84 | 187.7 | 72.1 | 108.1# |

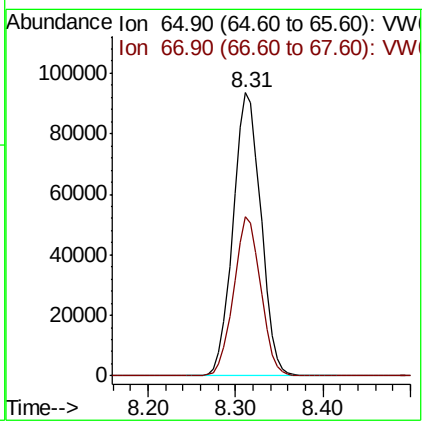


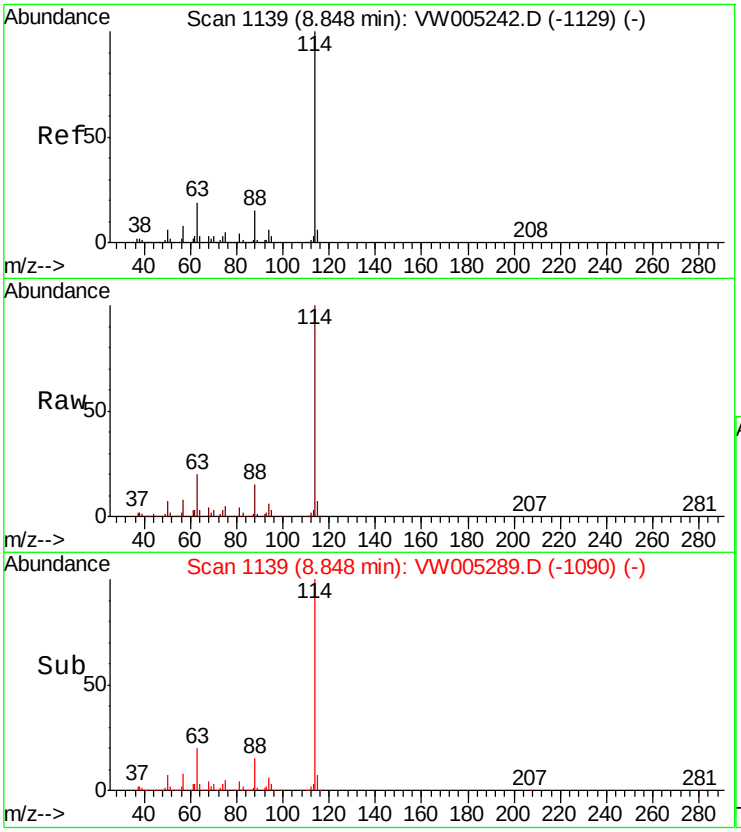




#33
1,2-Dichloroethane-d4
Concen: 60.942 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 65 Resp: 207035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.8 | 0.0 | 112.2 |



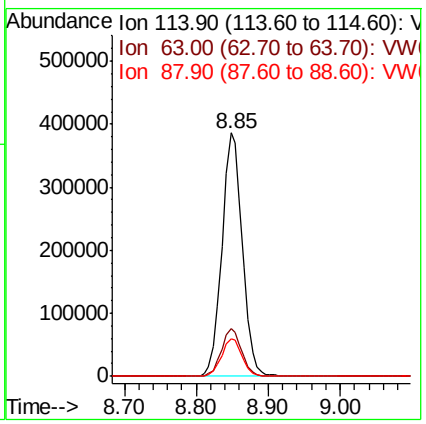


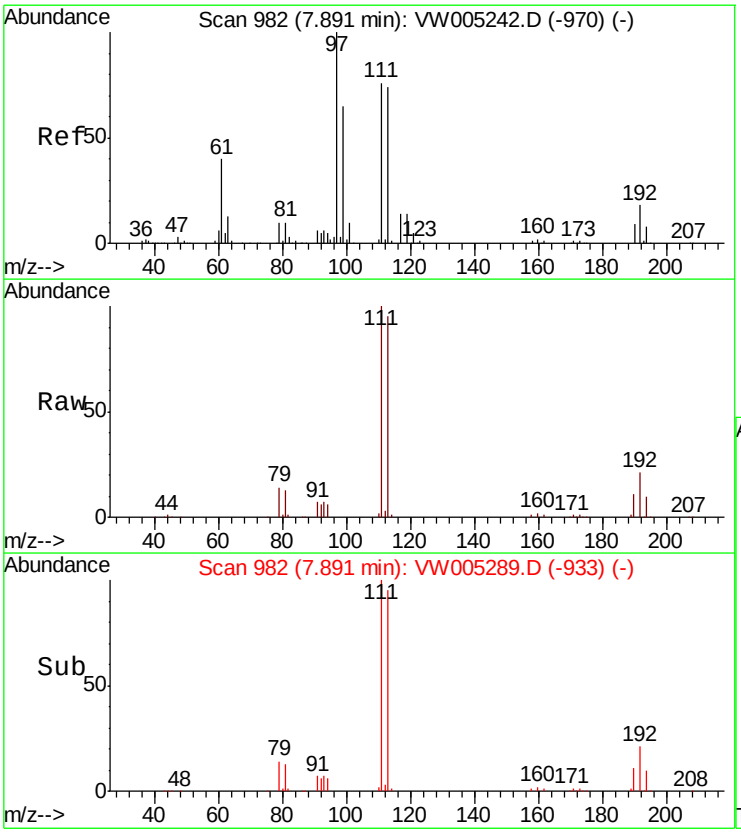

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Tgt Ion:114 Resp: 762465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.6 | 0.0 | 37.0 |
| 88 | 15.3 | 0.0 | 30.4 |

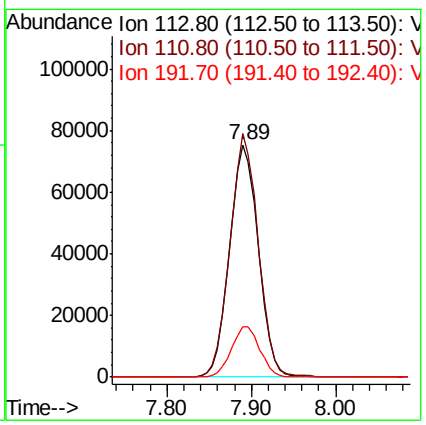


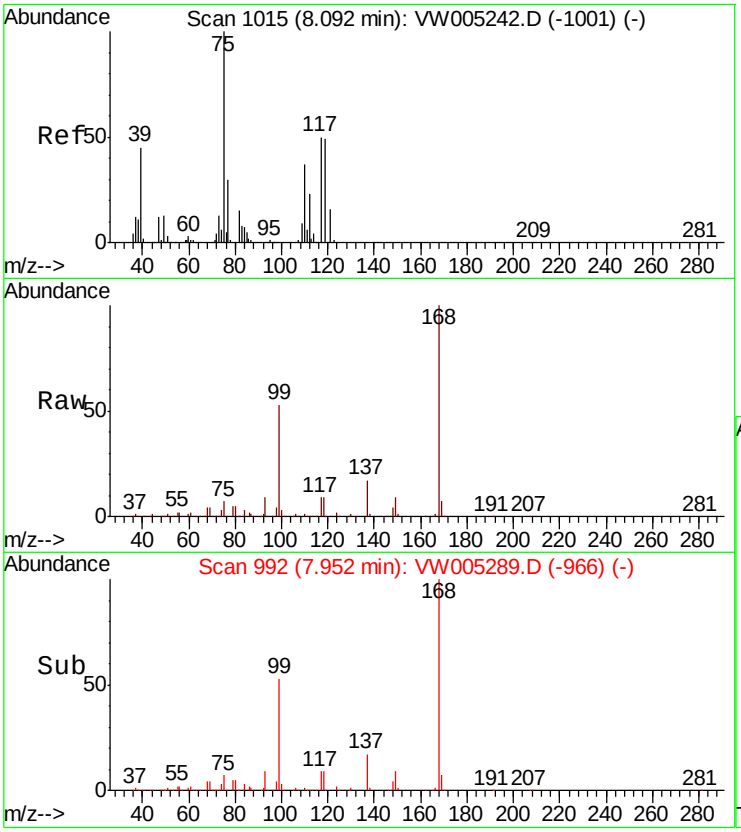




#35
Dibromofluoromethane
Concen: 43.544 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:113 Resp: 173916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 80.6 | 121.0 |
| 192 | 21.6 | 18.3 | 27.5 |



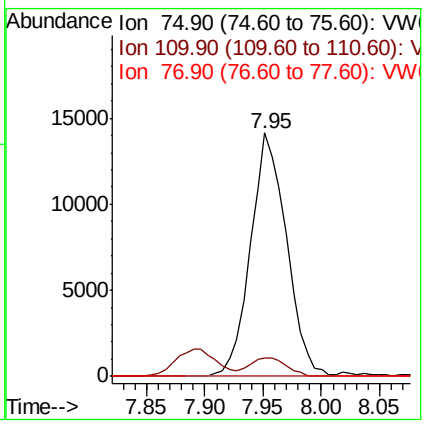


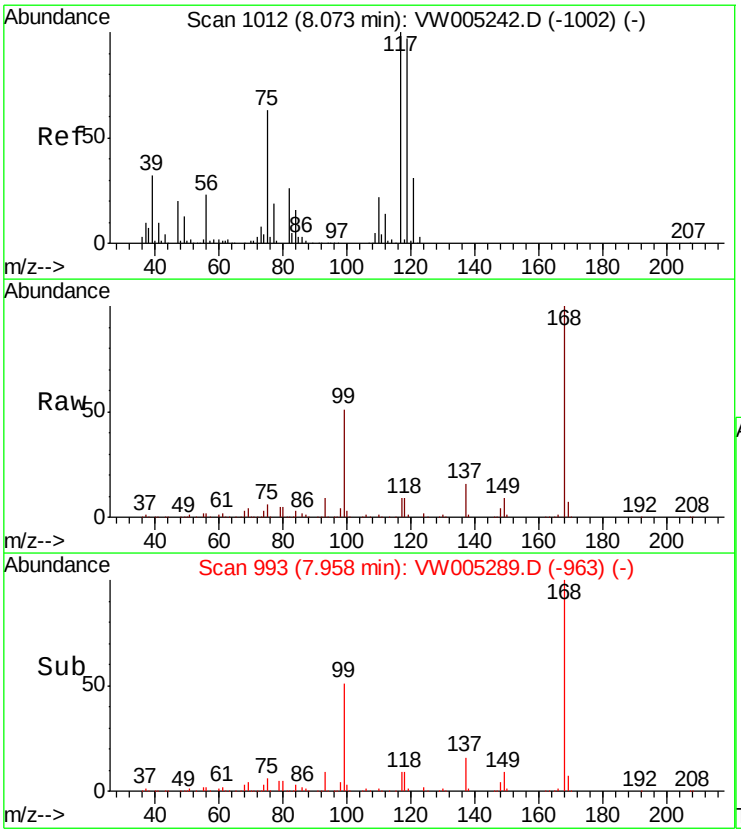

#36
1,1-Dichloropropene
Concen: 4.341 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.14 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion: 75 Resp: 30325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.8 | 18.8 | 56.4# |
| 77 | 0.1 | 24.9 | 37.3# |

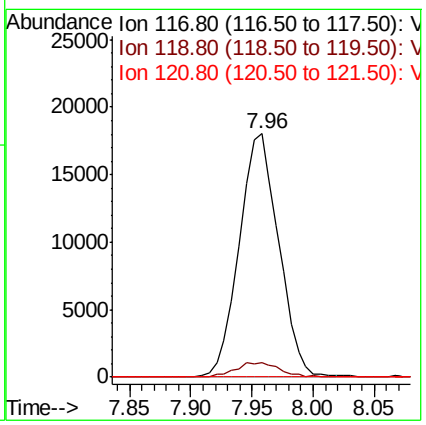


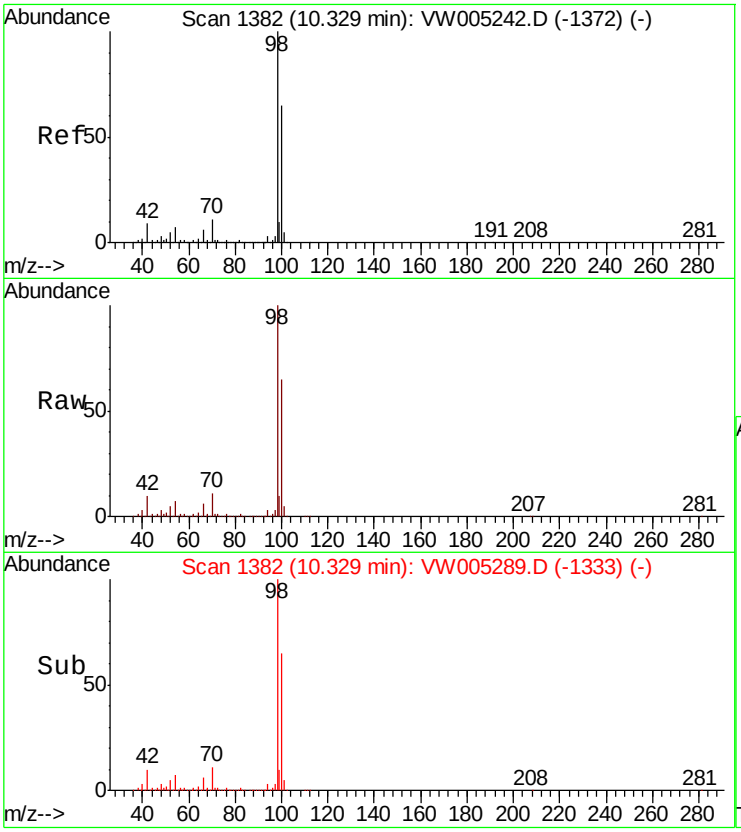




#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:117 Resp: 40416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.7 | 77.5 | 116.3# |
| 121 | 0.0 | 24.7 | 37.1# |



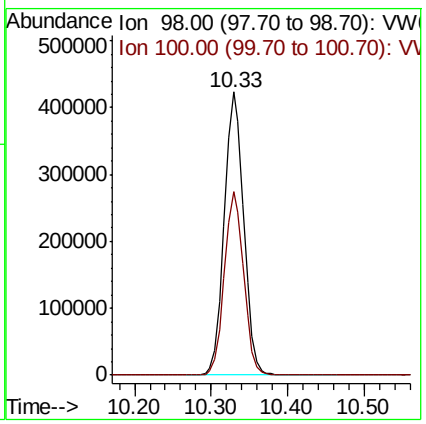


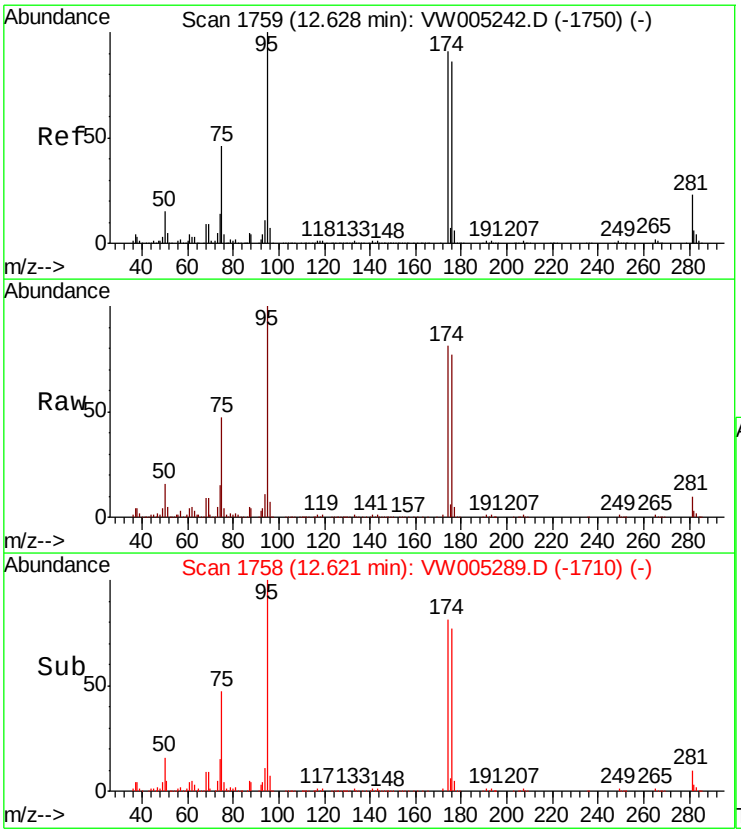

#50
Toluene-d8
Concen: 36.810 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion: 98 Resp: 742930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 52.0 | 78.0 |

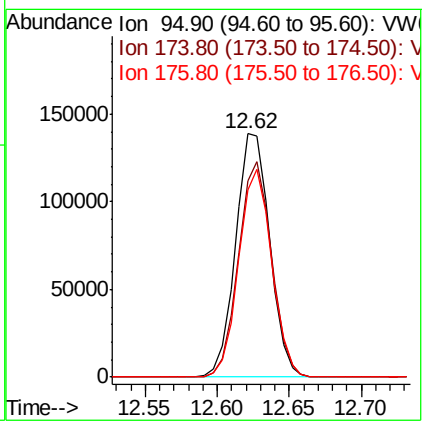


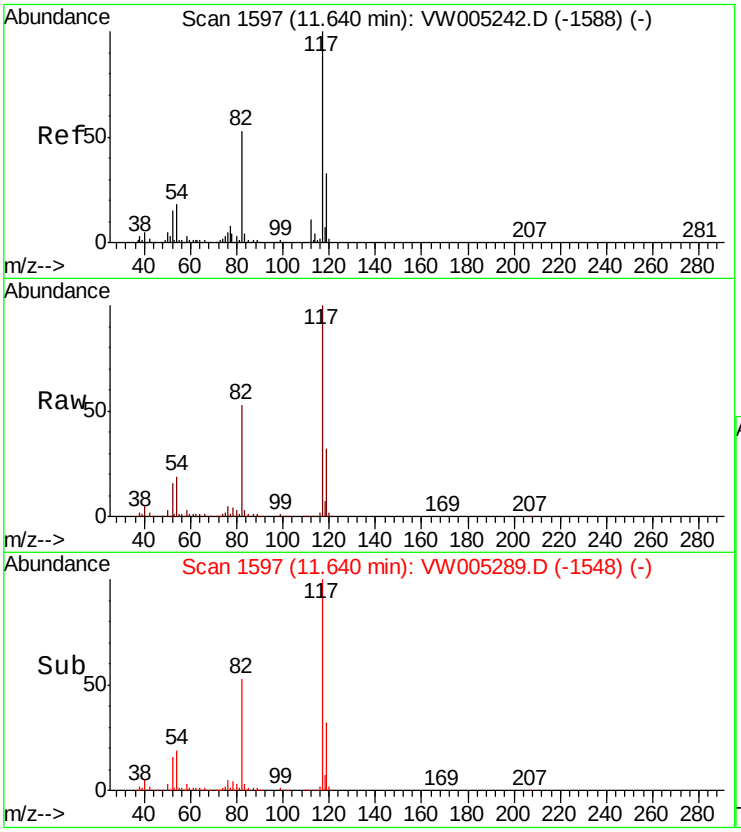




#62
4-Bromofluorobenzene
Concen: 30.773 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion: 95 Resp: 227177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.6 | 0.0 | 174.6 |
| 176 | 83.0 | 0.0 | 167.6 |



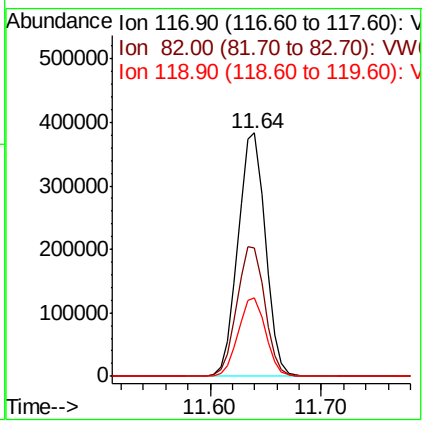


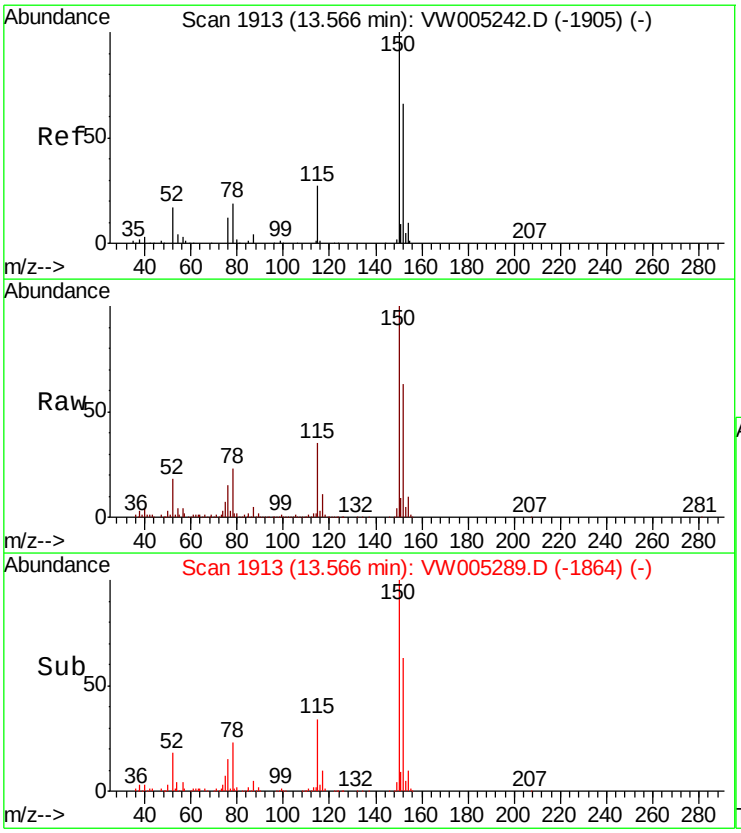

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion:117 Resp: 655816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.9 | 42.6 | 63.8 |
| 119 | 32.0 | 26.2 | 39.4 |

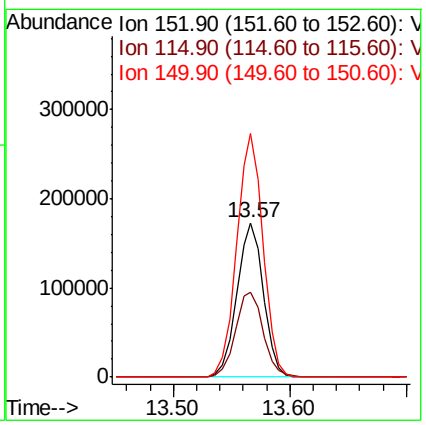


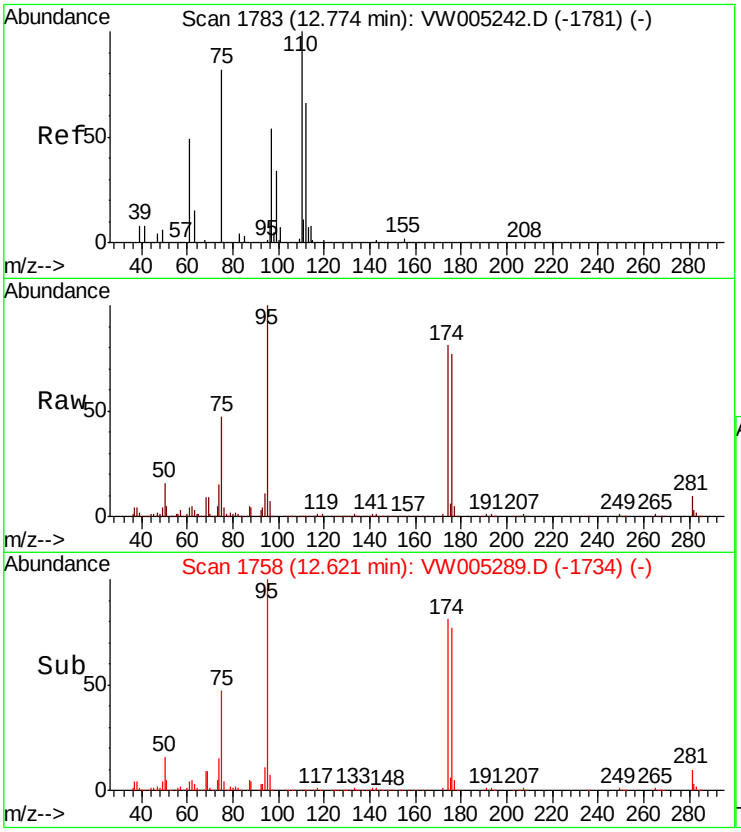




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:152 Resp: 273561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.1 | 27.5 | 82.4 |
| 150 | 156.2 | 0.0 | 347.4 |



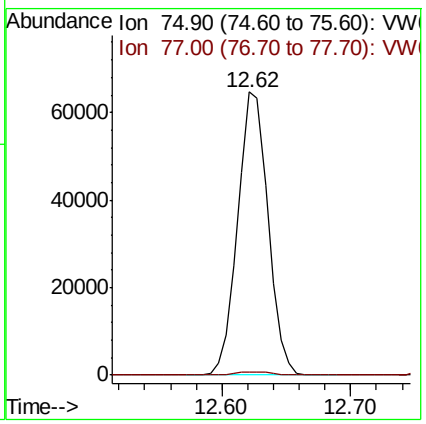


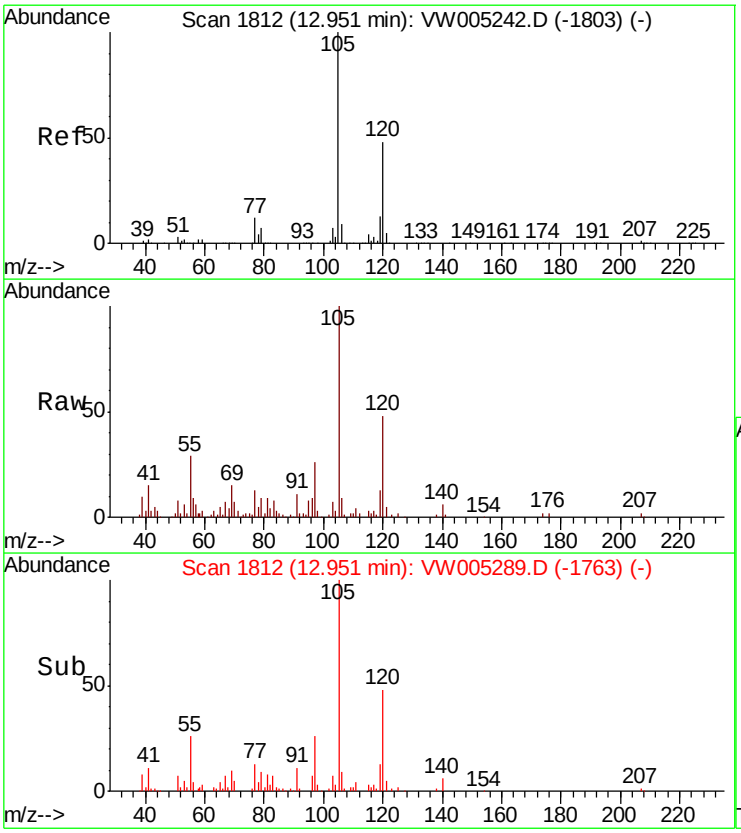

#76
1,2,3-Trichloropropane
Concen: 50.032 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Tgt Ion: 75 Resp: 105273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 0.0 | 0.0# |

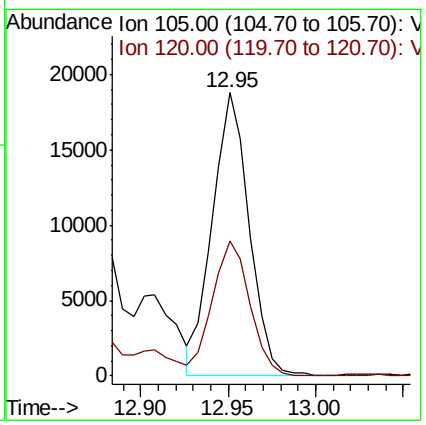


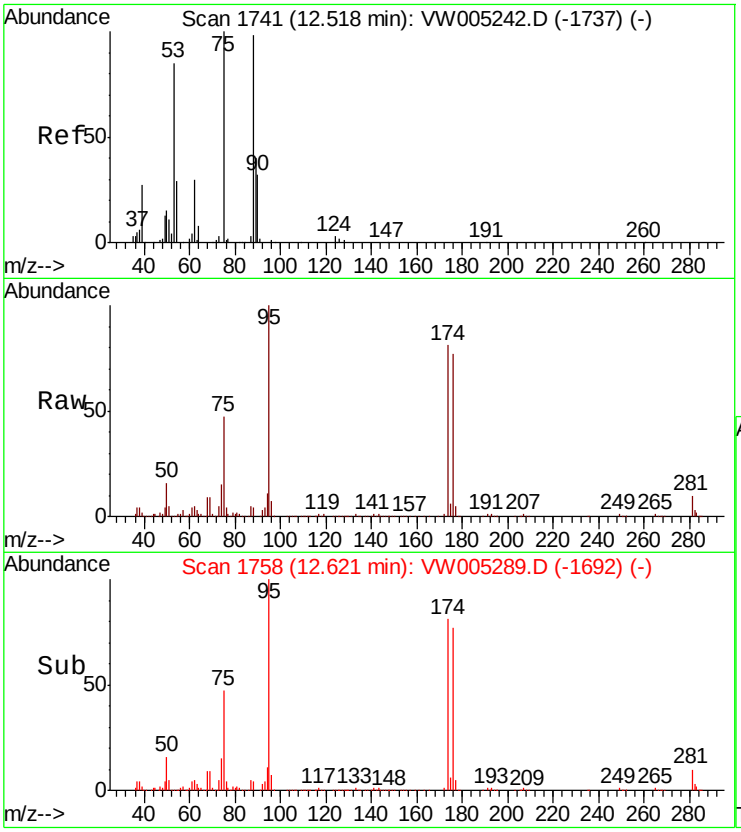




#80
1,3,5-Trimethylbenzene
Concen: 1.673 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:105 Resp: 27537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 24.4 | 73.4 |



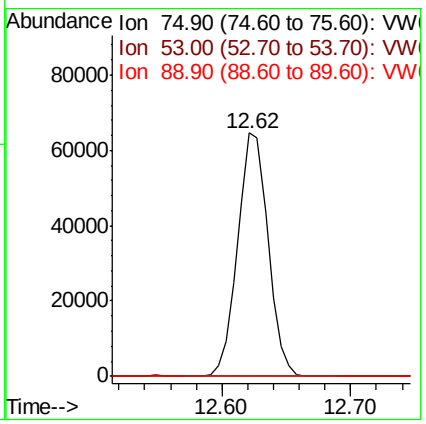


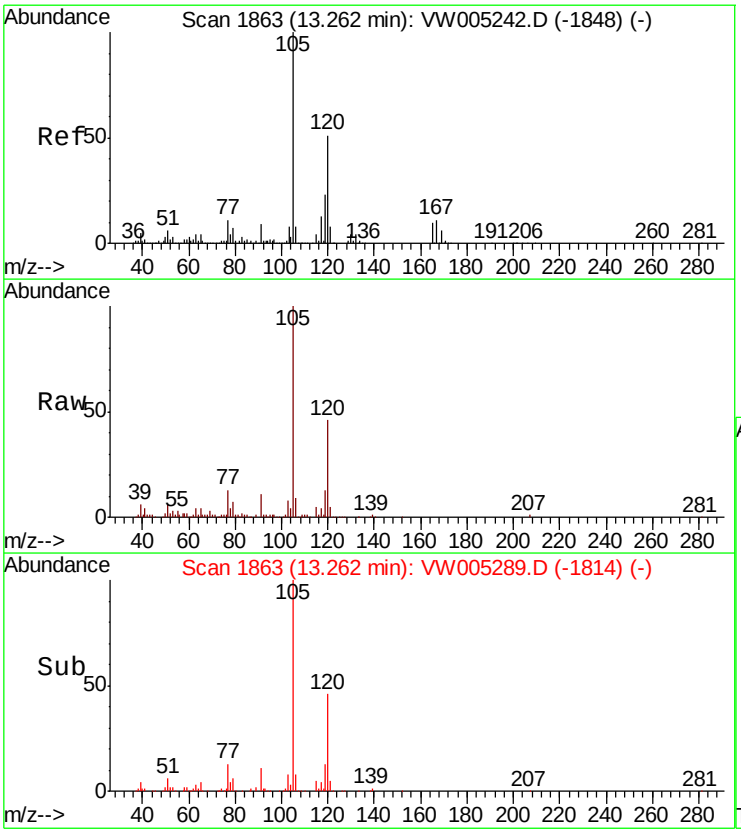

#81
trans-1,4-Dichloro-2-butene
Concen: 117.337 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :**
MSVOA_W
**ClientSampleId :**
HR-05-090718-B

Tgt Ion: 75 Resp: 105273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.5 | 67.0 | 100.6# |
| 89 | 0.0 | 37.0 | 55.4# |

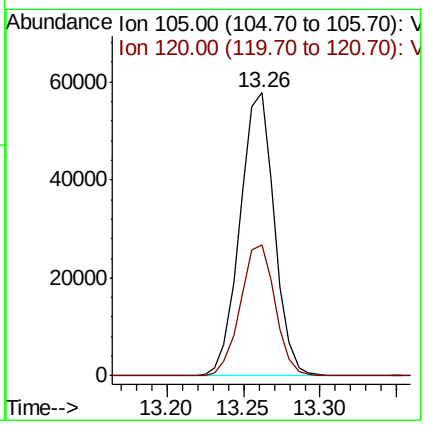


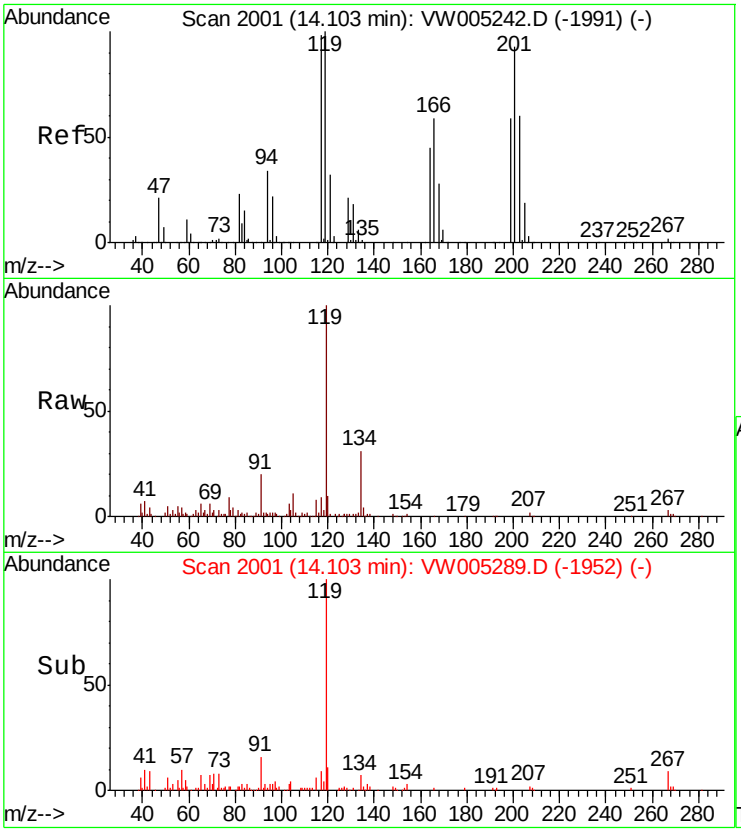




#84
1,2,4-Trimethylbenzene
Concen: 5.424 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:105 Resp: 89708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 23.4 | 70.3 |



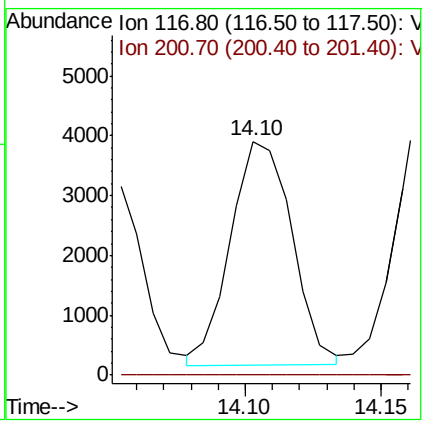


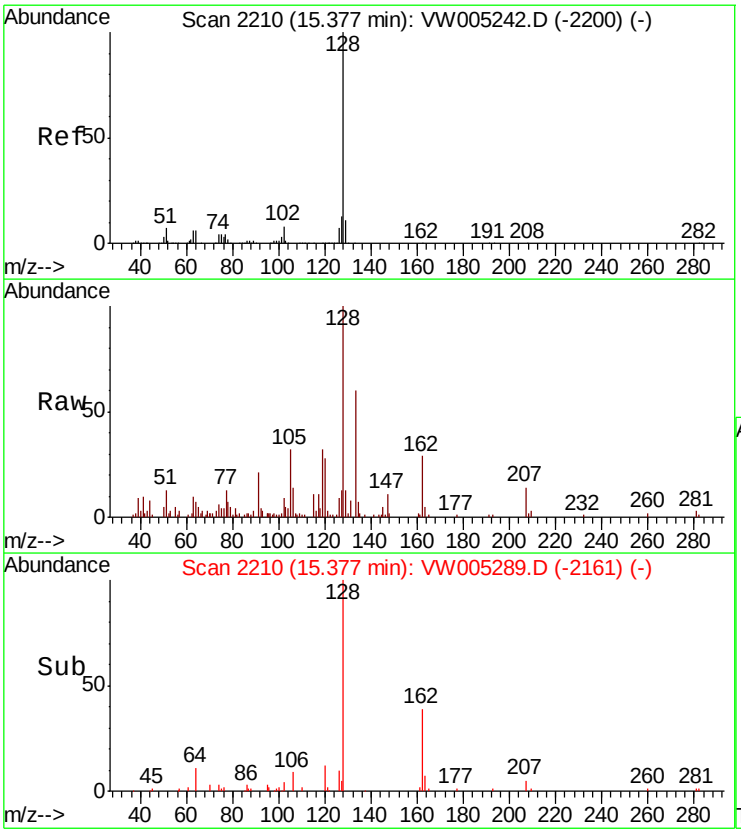

#90
Hexachloroethane
Concen: 1.991 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

**Instrument :** MSVOA_W
**ClientSampleId :** HR-05-090718-B

Tgt Ion:117 Resp: 5842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 44.0 | 132.1# |




#95
Naphthalene
Concen: 1.744 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005289.D
Acq: 11 Sep 2018 21:00

Tgt Ion:128 Resp: 16810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.0 | 10.3 | 15.5# |
| 129 | 7.5 | 8.8 | 13.2# |