Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
Data File : VW007808.D
Acq On : 21 Dec 2018 21:07
Operator : SY/AP
Sample : J6392-15
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** KY001SB105-121218-(18-20)

Quant Time: Dec 22 05:53:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 89314 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 148643 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 133643 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 68928 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.30 | 65 | 45716 | 46.70 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.40% | | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 39234 | 43.27 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 86.54% | | | | |
| 50) Toluene-d8 | 10.32 | 98 | 158541 | 46.38 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.76% | | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 61142 | 46.30 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.60% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 16) Acetone | 4.12 | 43 | 4616 | 25.181 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 5.42 | 73 | 10288 | 8.132 | ug/l | # | 1 |
| 31) Cyclohexane | 7.95 | 56 | 5876 | 4.032 | ug/l | # | 73 |
| 39) Methylcyclohexane | 9.34 | 83 | 32163 | 18.041 | ug/l | | 89 |
| 40) Benzene | 8.32 | 78 | 31172 | 8.142 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.73 | 91 | 5478 | 1.104 | ug/l | | 97 |
| 73) Isopropylbenzene | 12.47 | 105 | 246941 | 47.396 | ug/l | | 100 |
| 78) n-propylbenzene | 12.80 | 91 | 284460 | 46.902 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.21 | 119 | 6451 | 1.636 | ug/l | | 95 |
| 85) sec-Butylbenzene | 13.39 | 105 | 40991 | 7.543 | ug/l | # | 63 |
| 89) n-Butylbenzene | 13.83 | 91 | 38807 | 8.565 | ug/l | # | 77 |

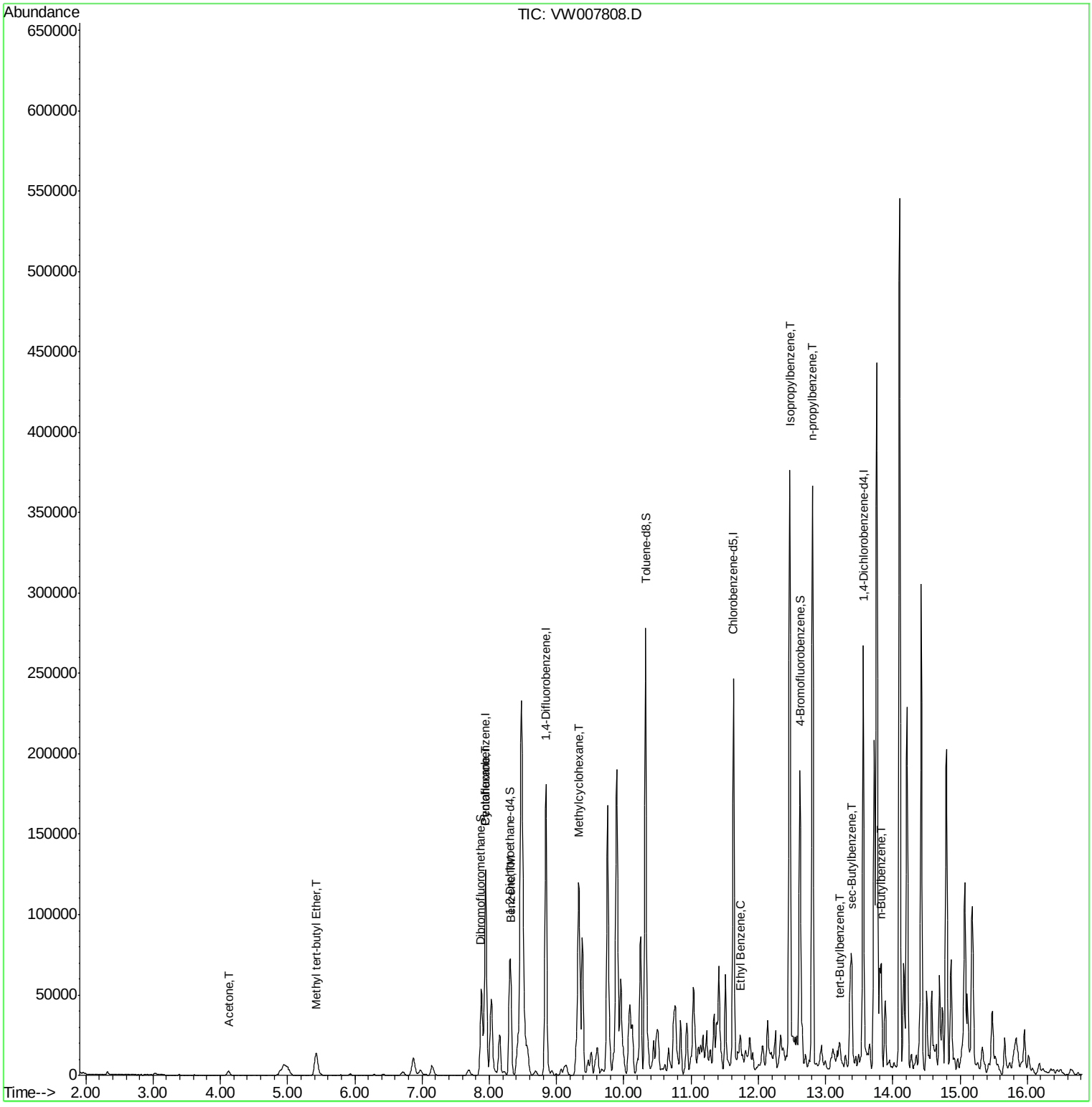
(#) = qualifier out of range (m) = manual integration (+) = signals summed

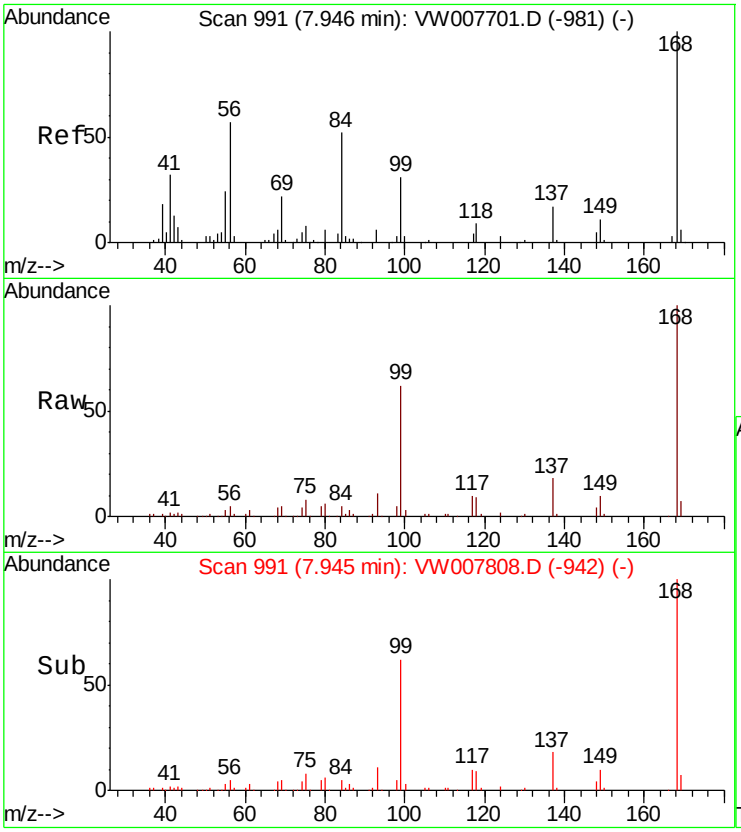
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
Data File : VW007808.D
Acq On : 21 Dec 2018 21:07
Operator : SY/AP
Sample : J6392-15
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Quant Time: Dec 22 05:53:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration



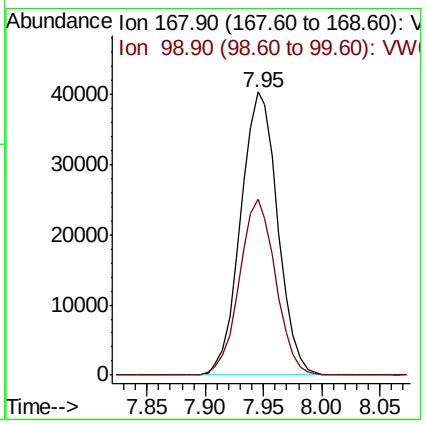


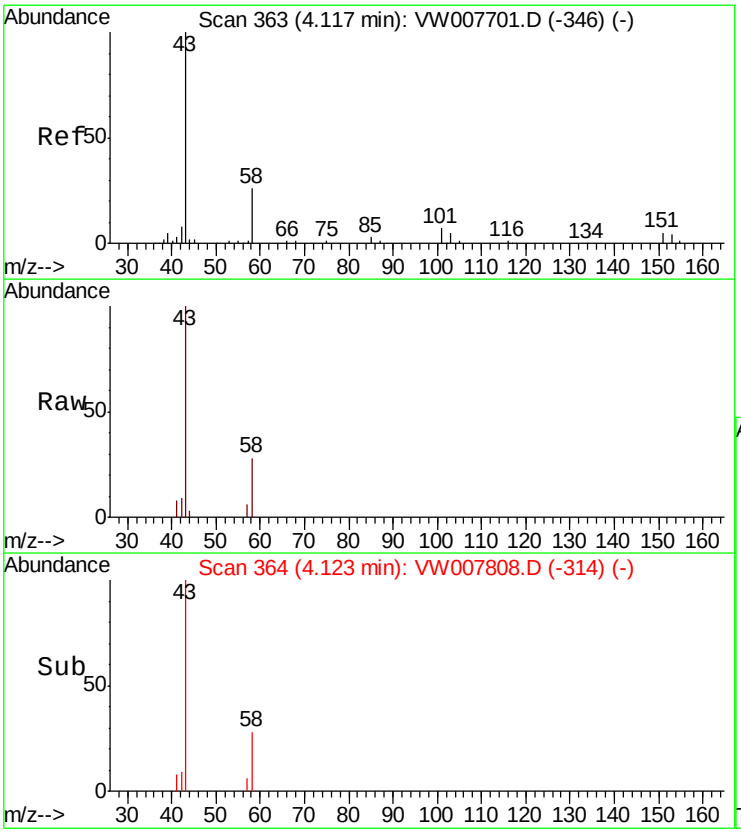

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :** MSVOA_W
**ClientSampleId :** KY001SB105-121218-(18-20)

Tgt Ion:168 Resp: 89314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.1 | 54.0 | 81.0 |

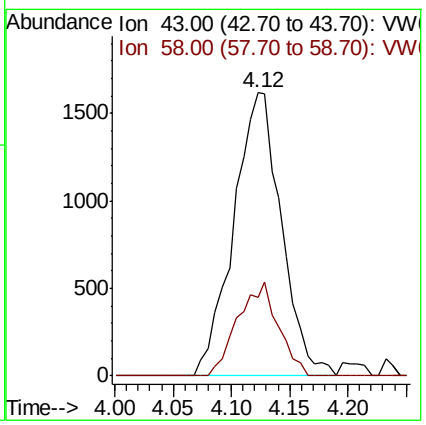


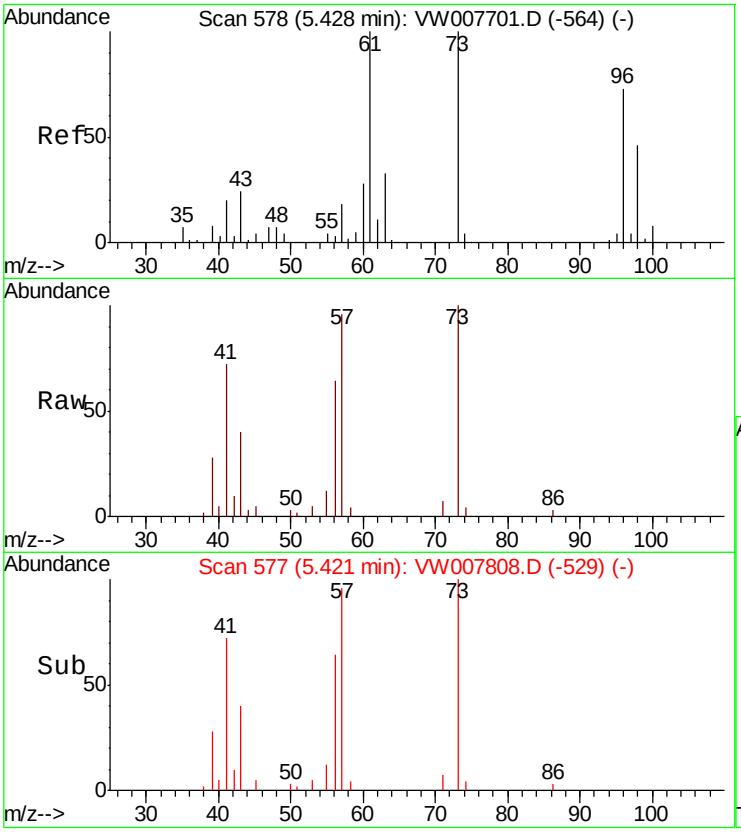




#16
Acetone
Concen: 25.181 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion: 43 Resp: 4616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.7 | 21.2 | 31.8 |



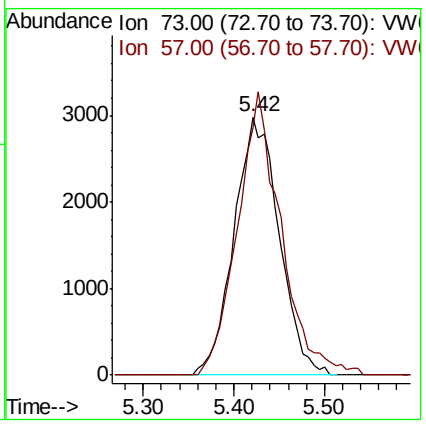


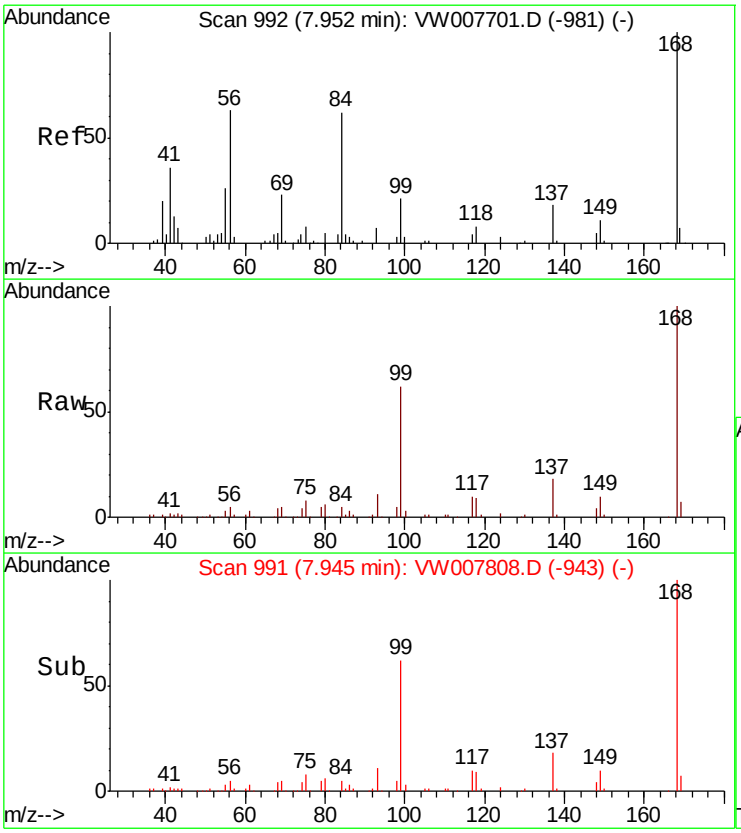

#19
Methyl tert-butyl Ether
Concen: 8.132 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion: 73 Resp: 10288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 95.9 | 14.7 | 22.1# |

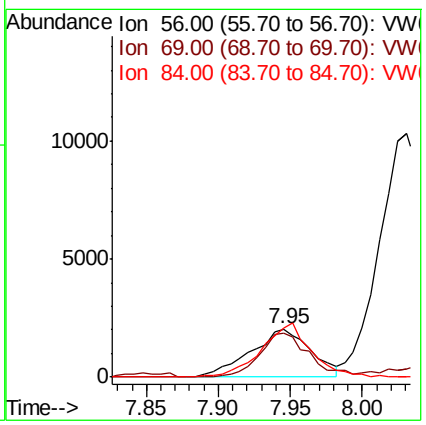


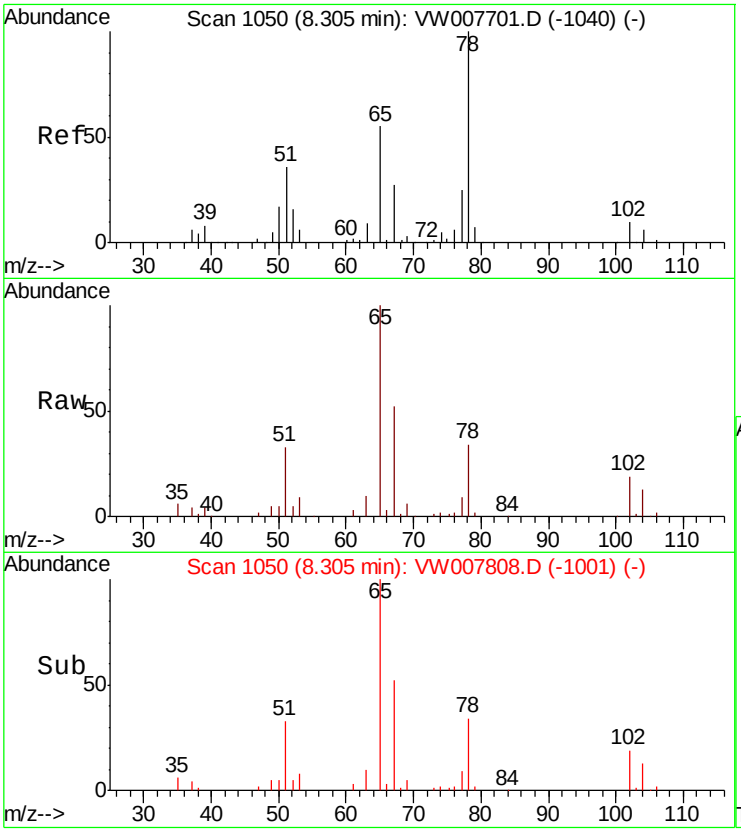




#31
Cyclohexane
Concen: 4.032 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion: 56 Resp: 5876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 92.1 | 29.7 | 44.5# |
| 84 | 101.3 | 78.9 | 118.3 |



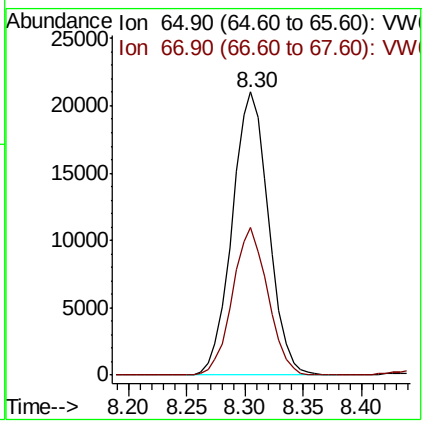


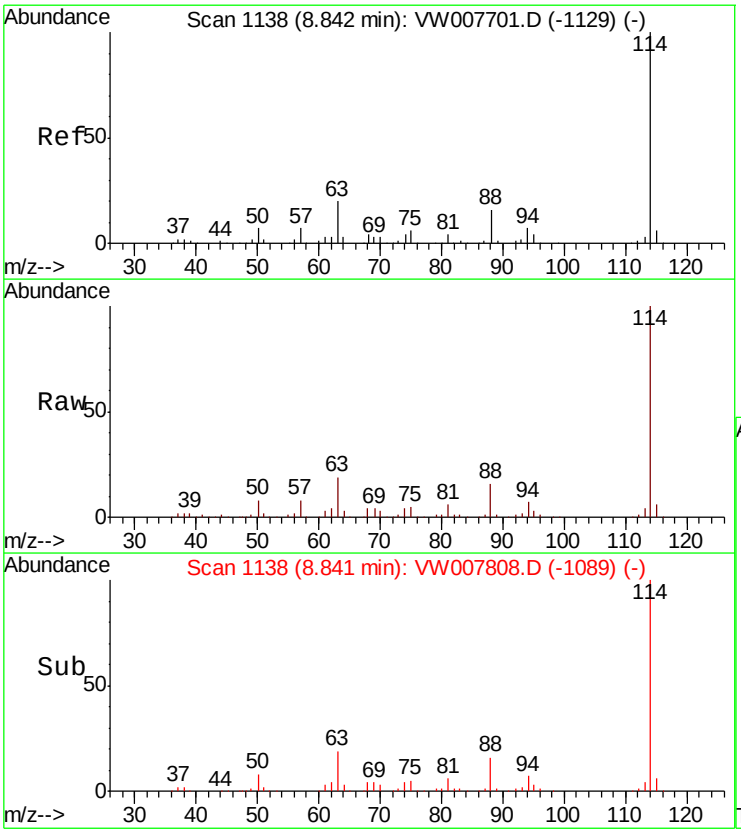

#33
1,2-Dichloroethane-d4
Concen: 46.700 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion: 65 Resp: 45716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 100.6 |

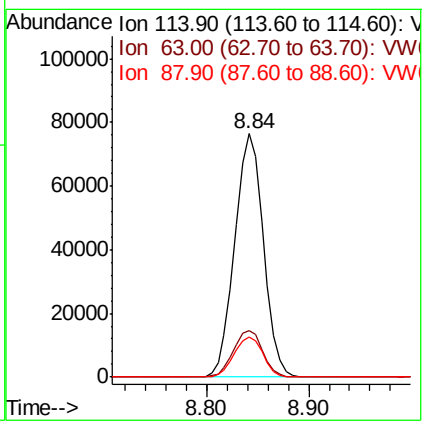


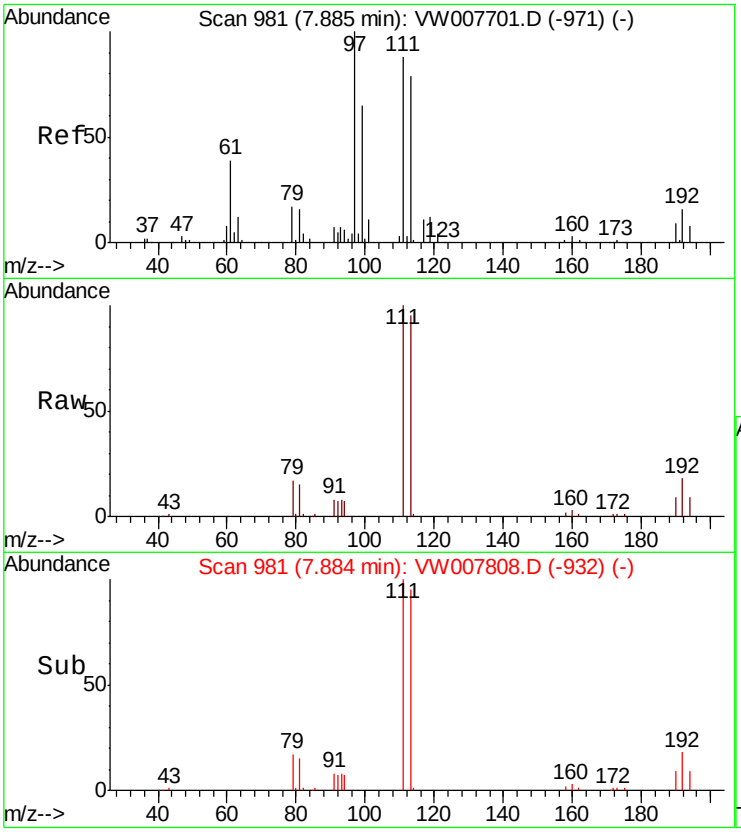




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion:114 Resp: 148643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 40.0 |
| 88 | 16.3 | 0.0 | 32.6 |



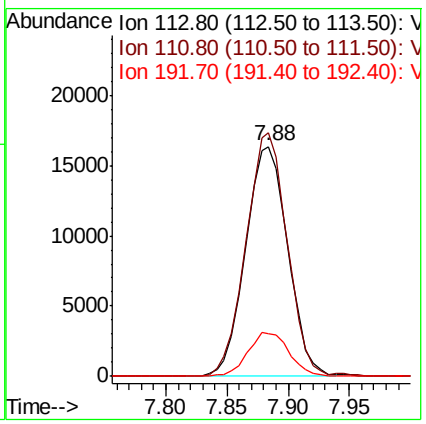


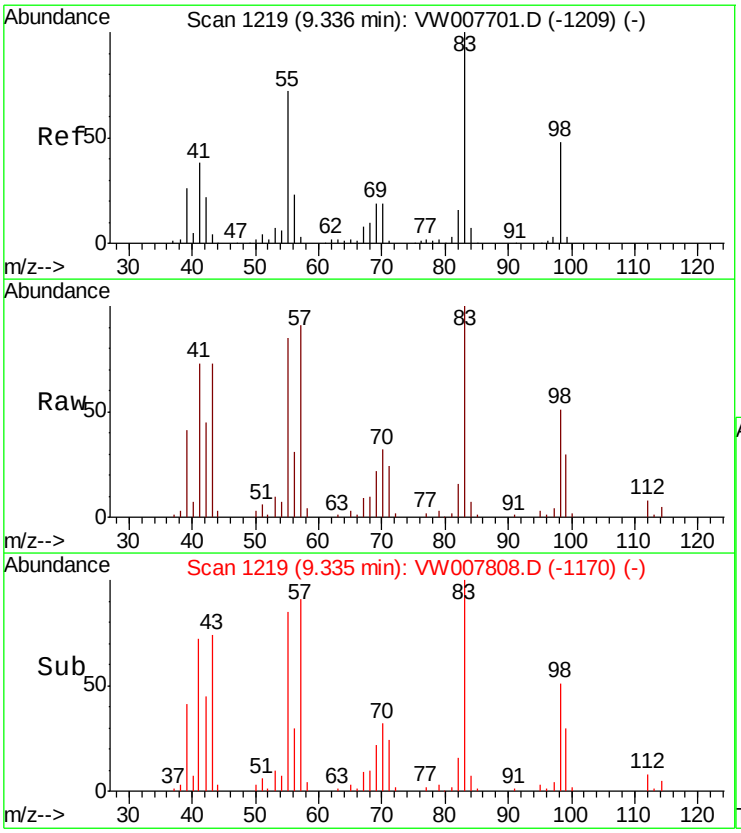

#35
Dibromofluoromethane
Concen: 43.267 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion:113 Resp: 39234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 82.6 | 124.0 |
| 192 | 18.6 | 15.5 | 23.3 |

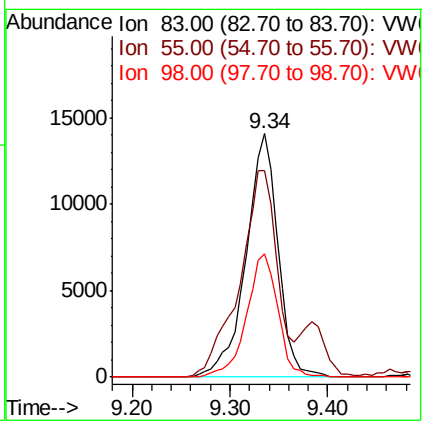


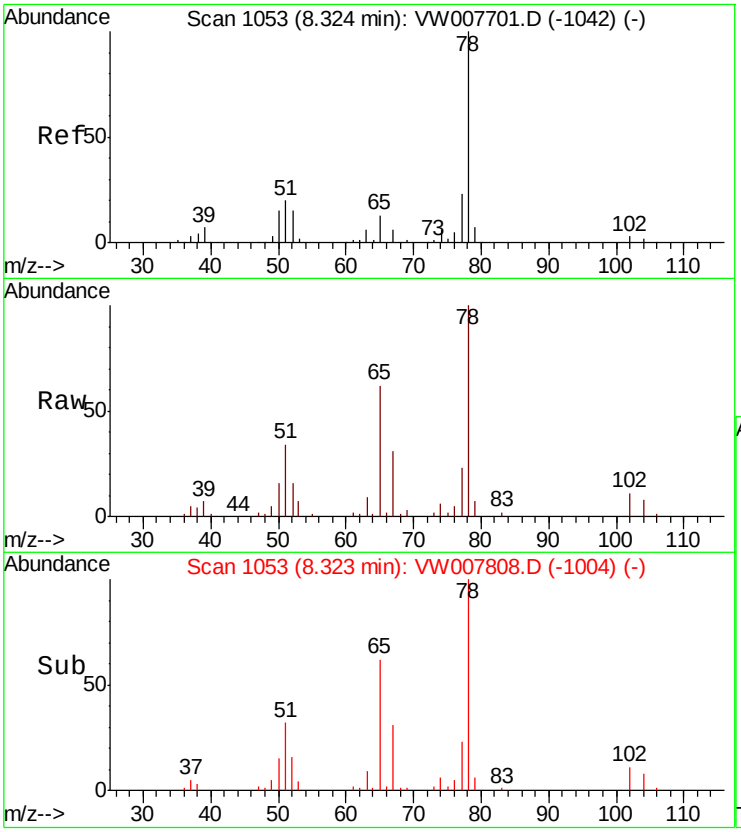




#39
Methylcyclohexane
Concen: 18.041 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion: 83 Resp: 32163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.9 | 57.2 | 85.8 |
| 98 | 50.7 | 38.6 | 58.0 |



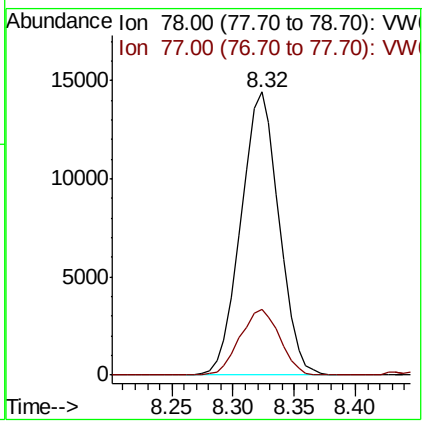


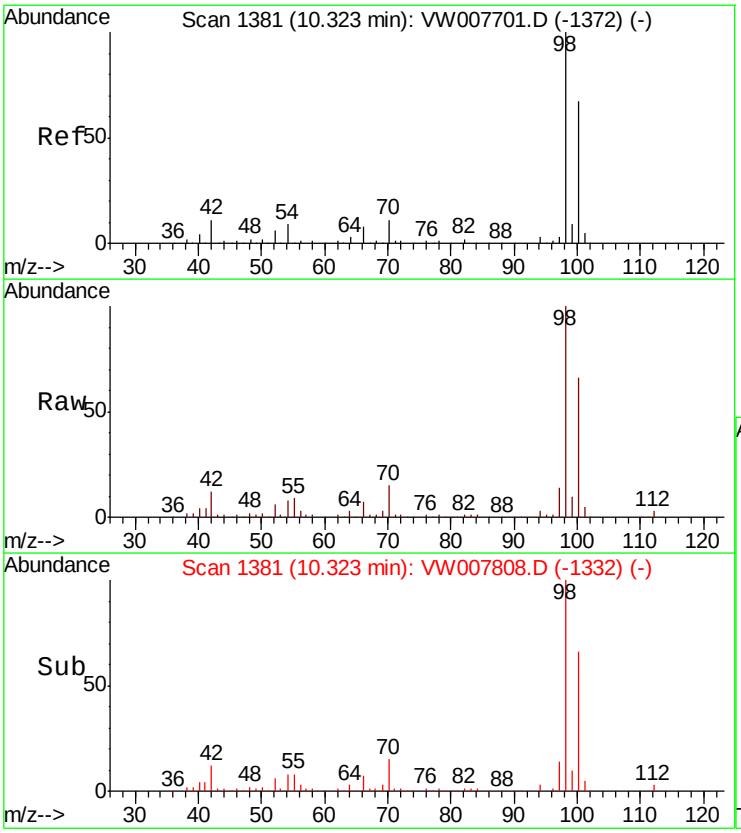

#40
Benzene
Concen: 8.142 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion: 78 Resp: 31172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 18.7 | 28.1 |

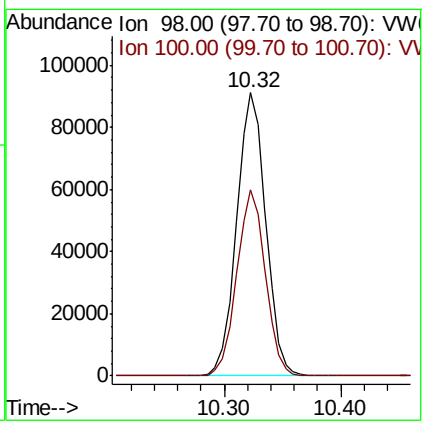


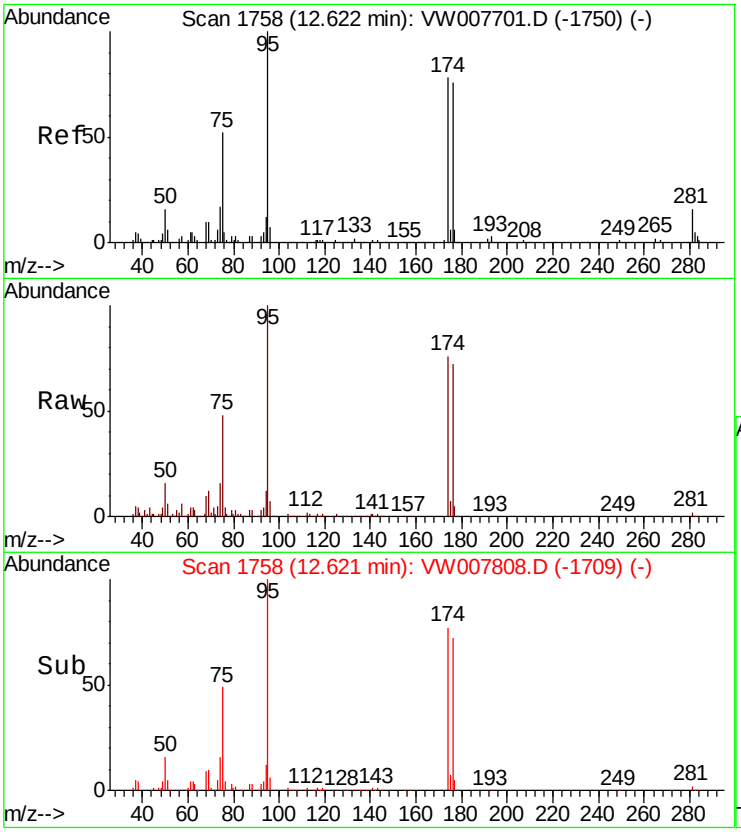




#50
Toluene-d8
Concen: 46.377 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion: 98 Resp: 158541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 52.2 | 78.2 |



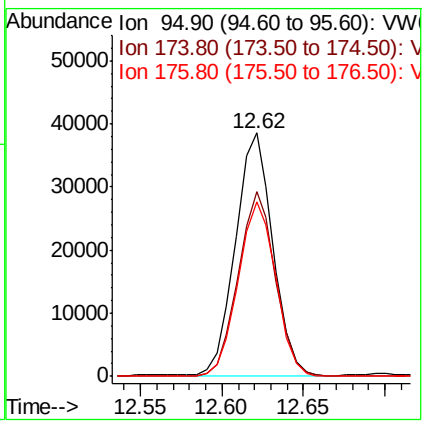


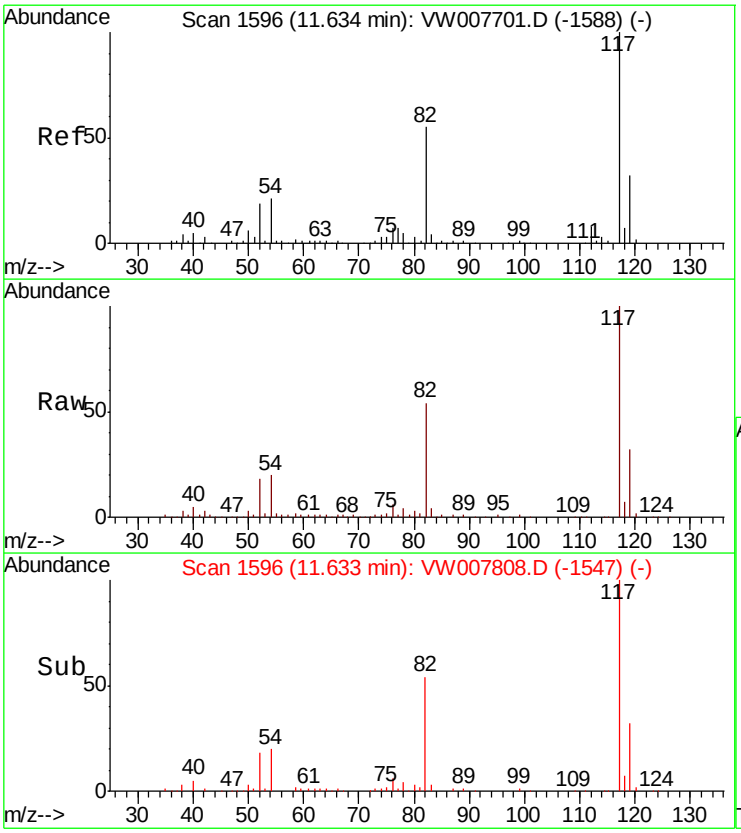

#62
4-Bromofluorobenzene
Concen: 46.297 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion: 95 Resp: 61142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.7 | 0.0 | 152.2 |
| 176 | 72.5 | 0.0 | 146.8 |

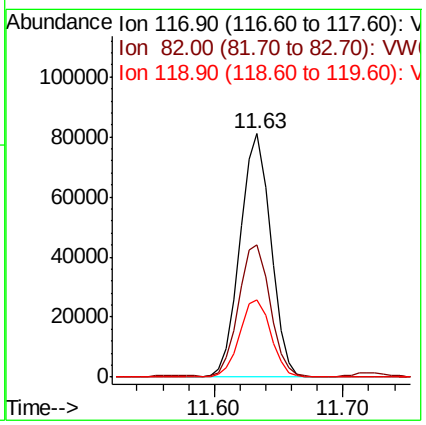


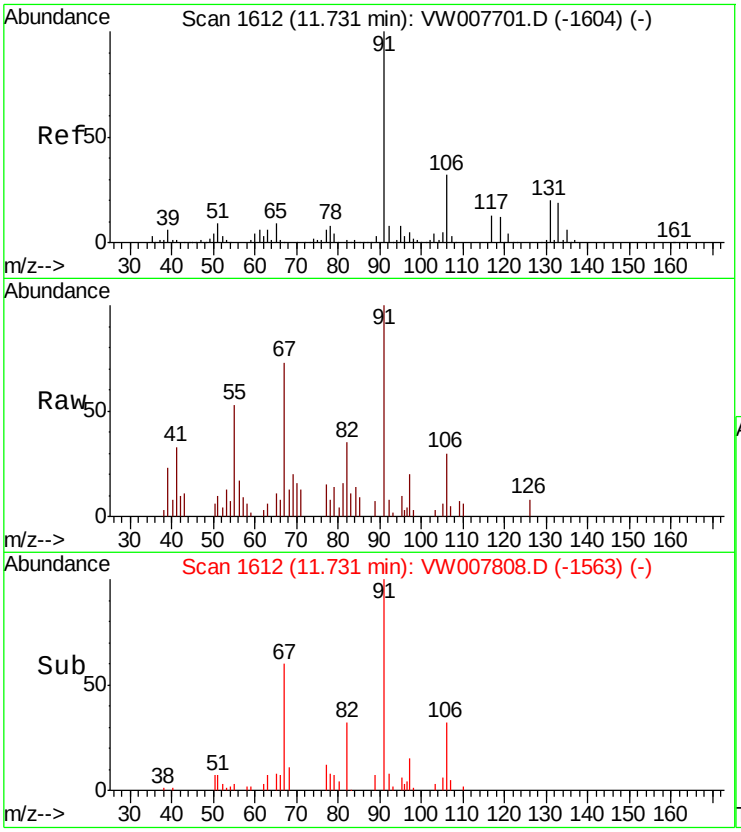




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion:117 Resp: 133643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.1 | 44.3 | 66.5 |
| 119 | 31.9 | 25.7 | 38.5 |



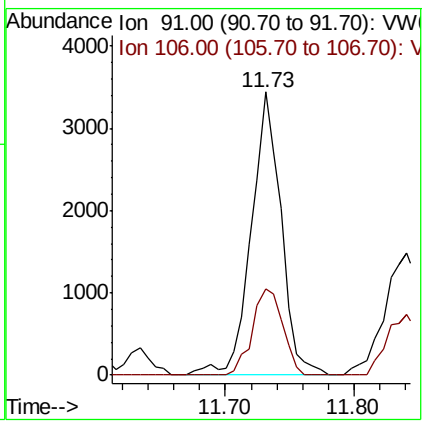


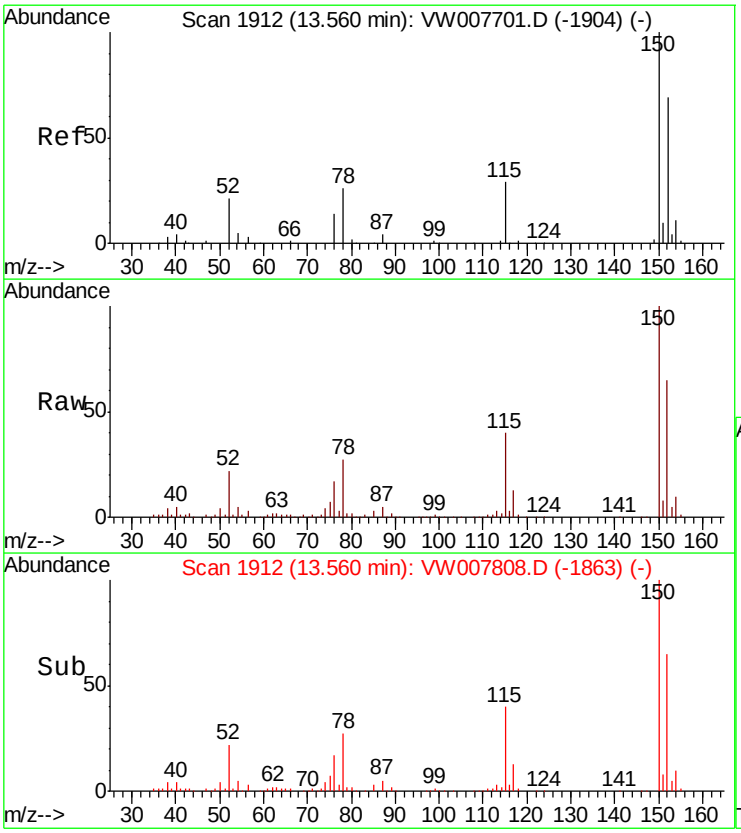

#67
Ethyl Benzene
Concen: 1.104 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :** MSVOA_W
**ClientSampleId :** KY001SB105-121218-(18-20)

Tgt Ion: 91 Resp: 5478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 25.8 | 38.8 |

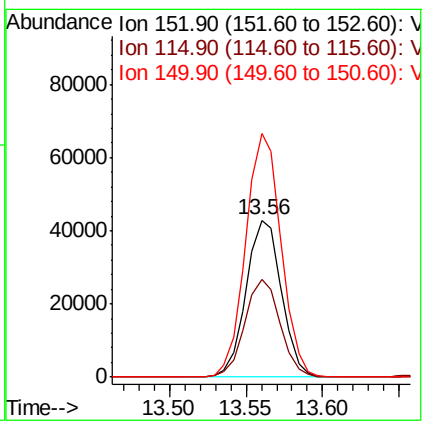


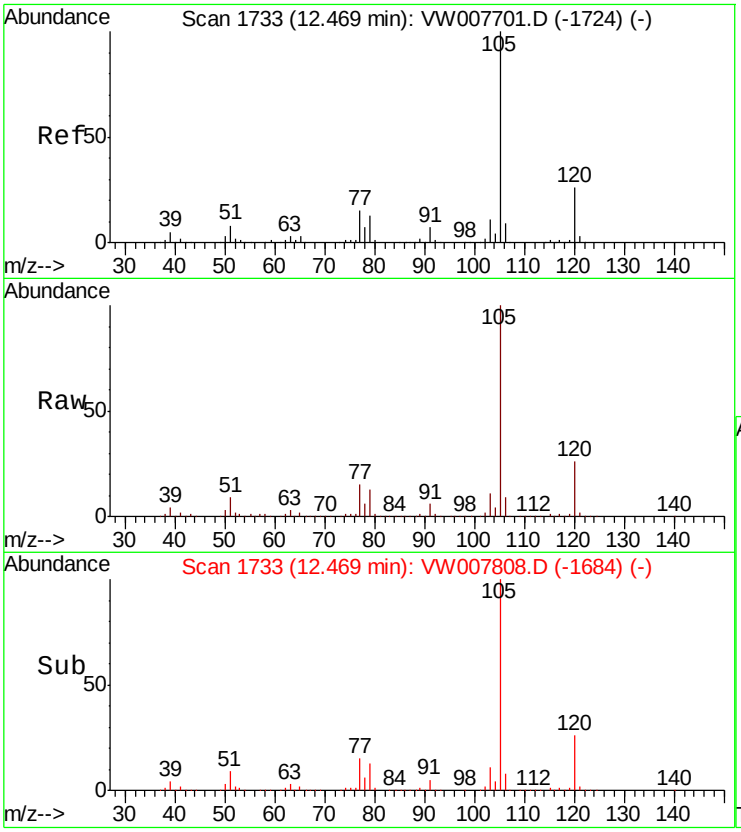




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion:152 Resp: 68928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.3 | 31.8 | 95.4 |
| 150 | 155.5 | 0.0 | 350.8 |



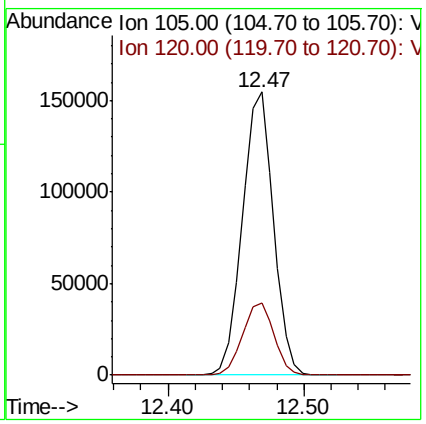


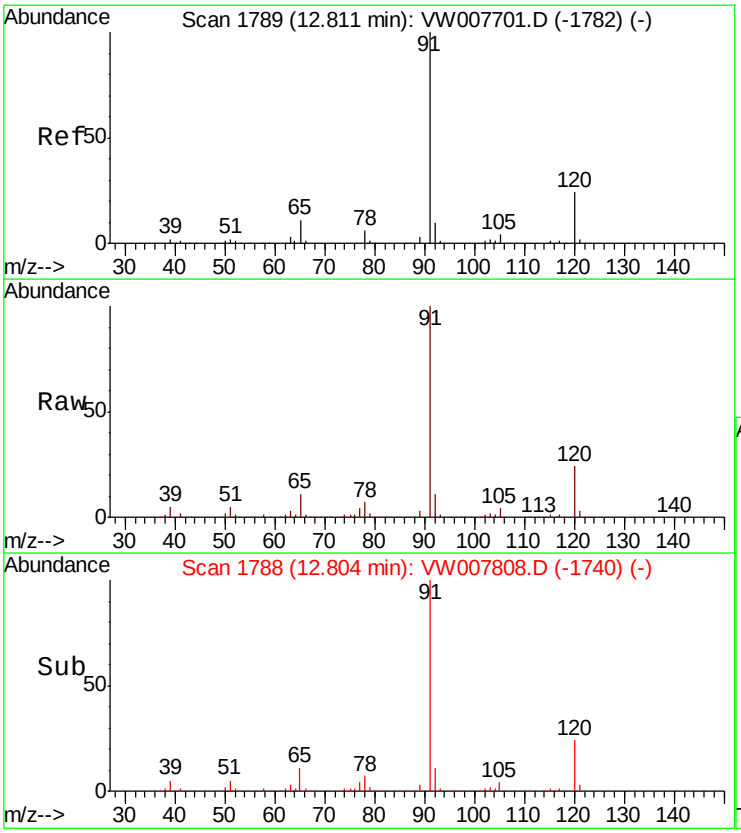

#73
Isopropylbenzene
Concen: 47.396 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :** MSVOA_W
**ClientSampleId :** KY001SB105-121218-(18-20)

Tgt Ion:105 Resp: 246941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.1 | 39.3 |

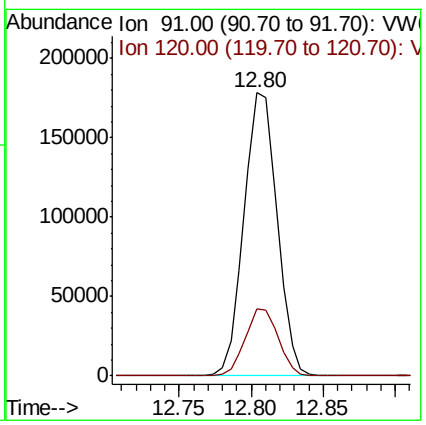


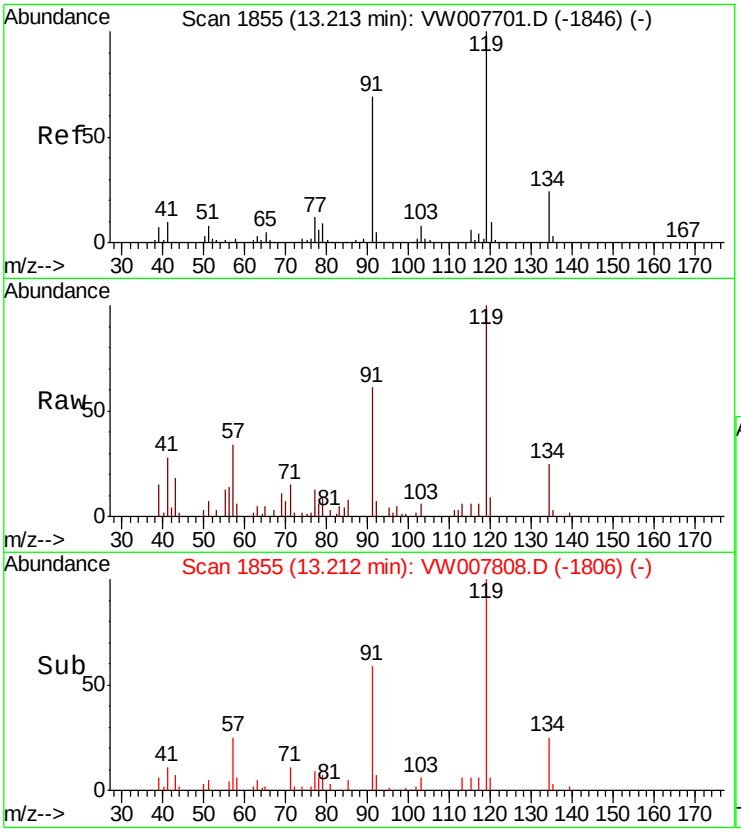




#78
n-propylbenzene
Concen: 46.902 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion: 91 Resp: 284460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.5 | 11.9 | 35.7 |



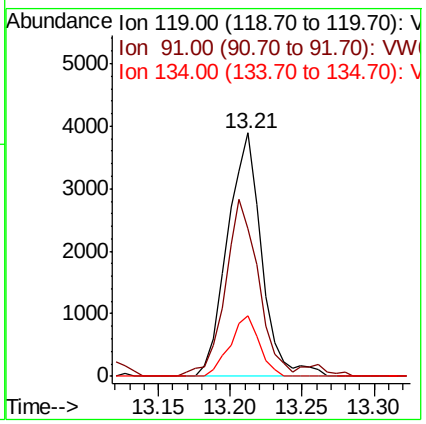


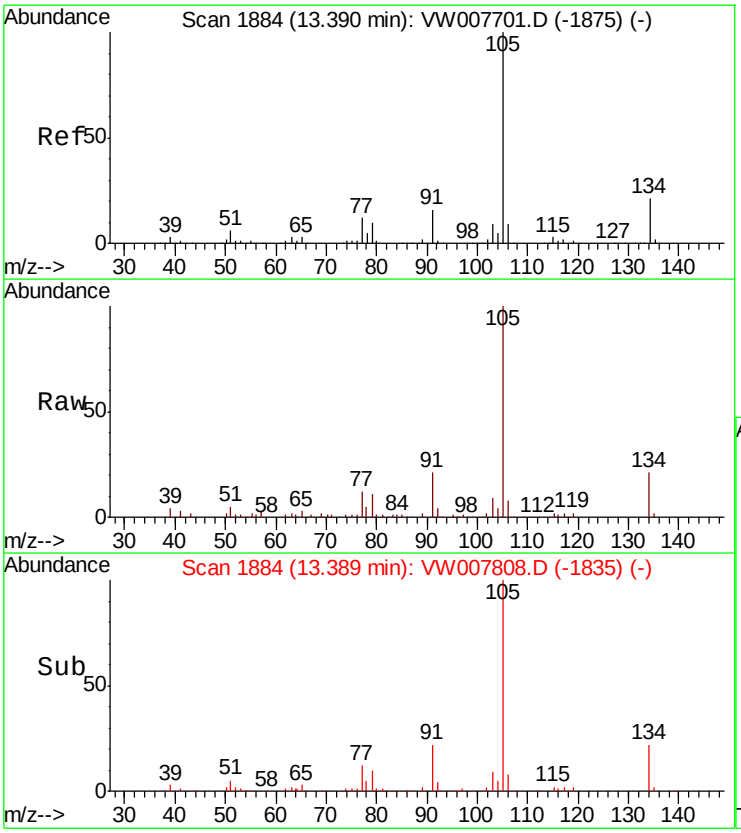

#83
tert-Butylbenzene
Concen: 1.636 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :** MSVOA_W
**ClientSampleId :** KY001SB105-121218-(18-20)

Tgt Ion:119 Resp: 6451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 70.9 | 34.2 | 102.5 |
| 134 | 21.2 | 12.8 | 38.4 |

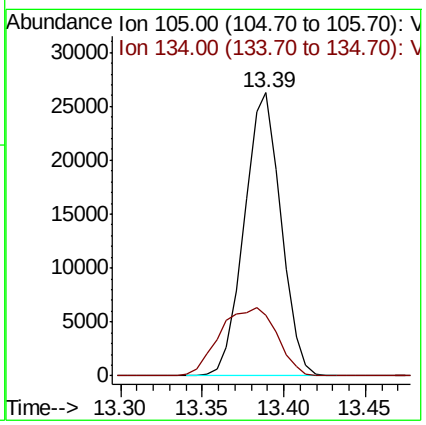


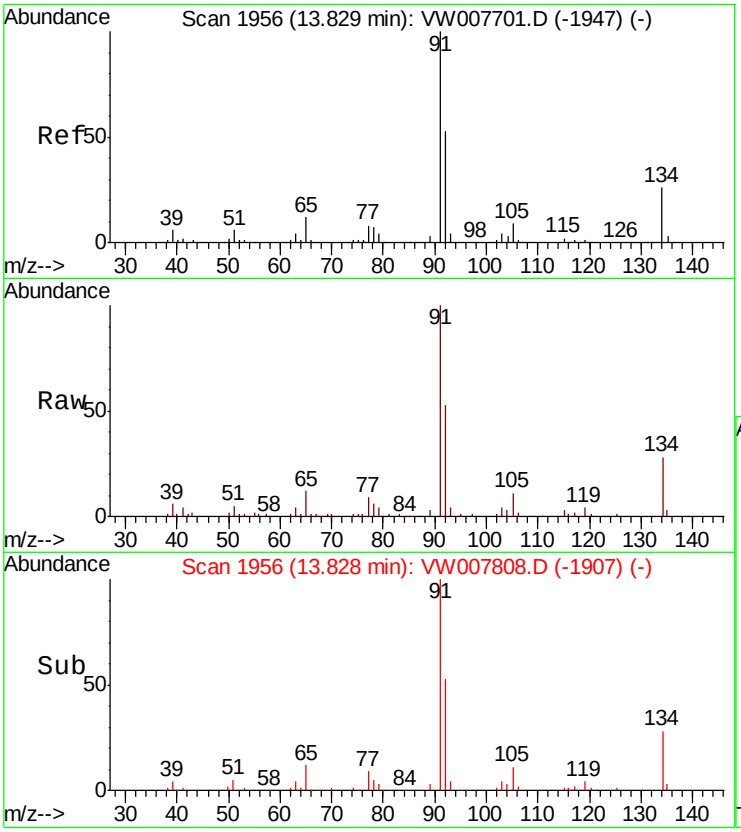




#85
sec-Butylbenzene
Concen: 7.543 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

Tgt Ion:105 Resp: 40991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 37.6 | 10.2 | 30.4# |






#89
n-Butylbenzene
Concen: 8.565 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007808.D
Acq: 21 Dec 2018 21:07

**Instrument :**
MSVOA_W
**ClientSampleId :**
KY001SB105-121218-(18-20)

Tgt Ion: 91 Resp: 38807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 47.1 | 26.4 | 79.2 |
| 134 | 0.0 | 13.7 | 41.0# |