Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
Data File : VY000842.D
Acq On : 03 Dec 2019 16:41
Operator : SY/MD
Sample : K6120-05
Misc : 9.46G/5ML/MSVOA Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :**

Quant Time: Dec 04 00:58:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 248045 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.69 | 114 | 469337 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 424456 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 183216 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 151858 | 57.62 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 115.24% | | | |
| 35) Dibromofluoromethane | 7.72 | 113 | 140620 | 51.41 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 102.82% | | | |
| 50) Toluene-d8 | 10.18 | 98 | 566441 | 51.80 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 103.60% | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 187060 | 45.55 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 91.10% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 2.65 | 94 | 185 | Below Cal | | # | 3 |
| 16) Acetone | 3.96 | 43 | 67928 | 112.348 | ug/l | | 97 |
| 20) Methylene Chloride | 4.73 | 84 | 21058 | 6.607 | ug/l | # | 82 |
| 28) Bromochloromethane | 7.36 | 49 | 23 | 2.027 | ug/l | # | 15 |
| 36) 1,1-Dichloropropene | 7.79 | 75 | 21101 | 4.522 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 7.80 | 117 | 24646 | 5.930 | ug/l | # | 15 |
| 51) 4-Methyl-2-Pentanone | 9.97 | 43 | 4441 | 1.693 | ug/l | # | 34 |
| 55) 1,1,2-Trichloroethane | 10.62 | 97 | 11425 | 4.335 | ug/l | # | 20 |
| 59) 2-Hexanone | 10.80 | 43 | 6826 | 3.571 | ug/l | # | 22 |
| 67) Ethyl Benzene | 11.59 | 91 | 86789 | 5.282 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.70 | 106 | 159510 | 25.863 | ug/l | | 96 |
| 69) o-Xylene | 12.03 | 106 | 51406 | 8.939 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.48 | 75 | 97248 | 46.848 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75 | 97248 | 92.023 | ug/l | # | 17 |
| 84) 1,2,4-Trimethylbenzene | 13.12 | 105 | 23710 | 1.962 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.12 | 105 | 23710 | 1.605 | ug/l | # | 56 |

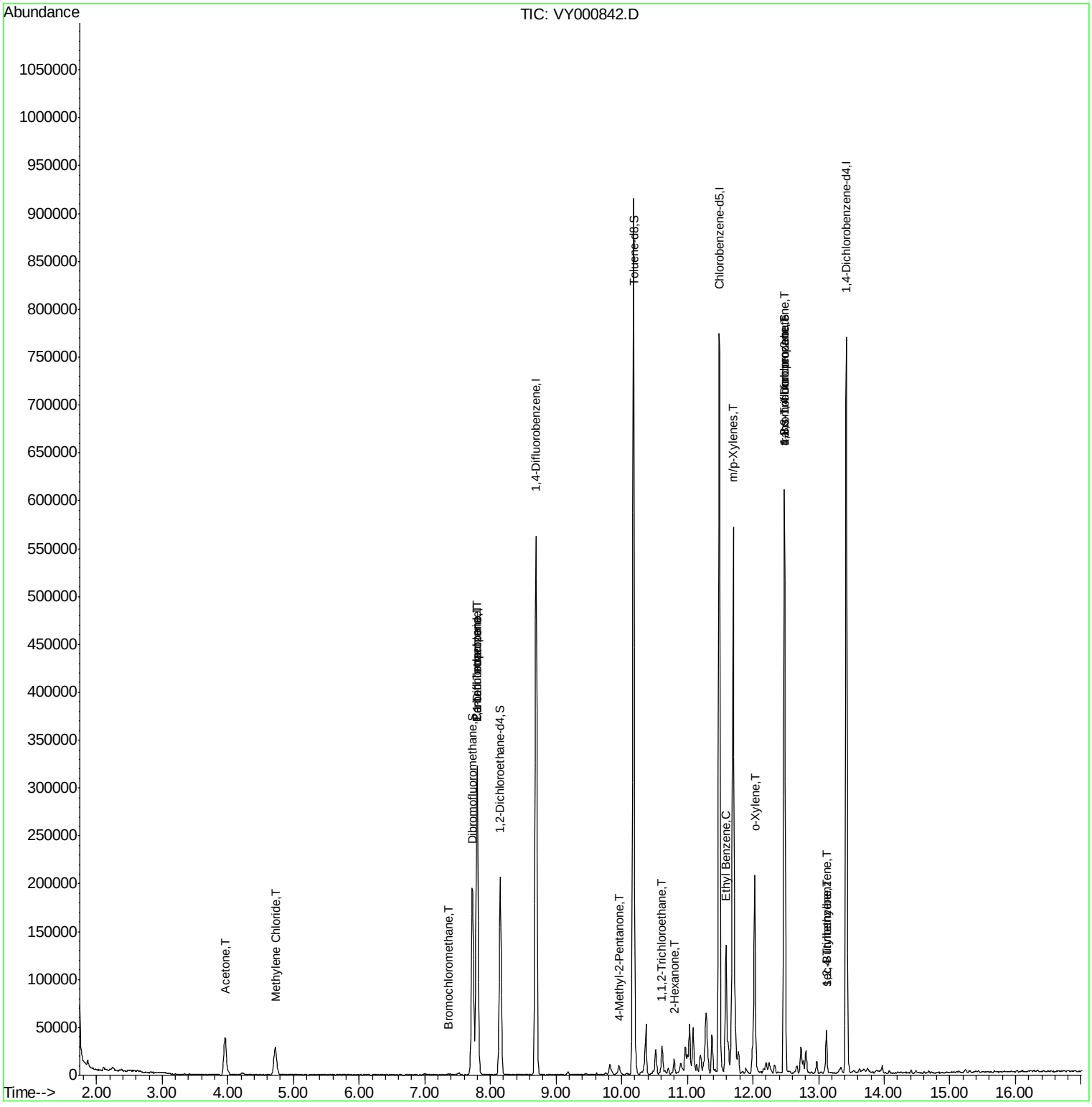
(#) = qualifier out of range (m) = manual integration (+) = signals summed

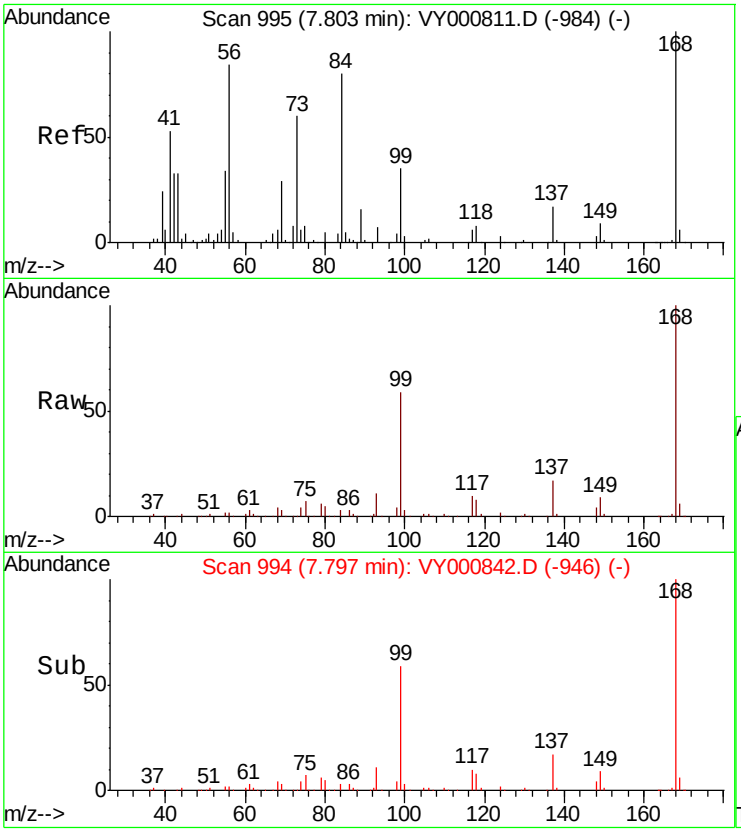
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120319\
Data File : VY000842.D
Acq On : 03 Dec 2019 16:41
Operator : SY/MD
Sample : K6120-05
Misc : 9.46G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Quant Time: Dec 04 00:58:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration



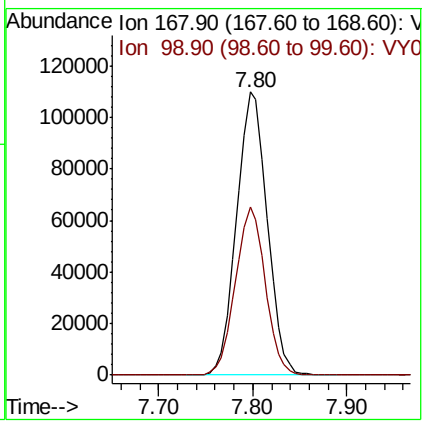


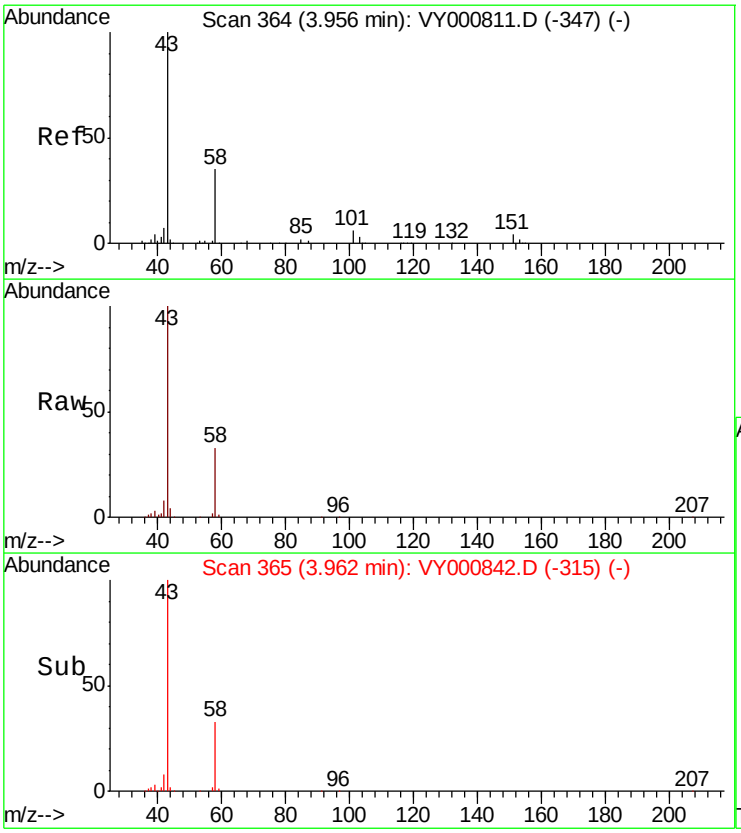

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:168 Resp: 248045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 45.0 | 67.6 |

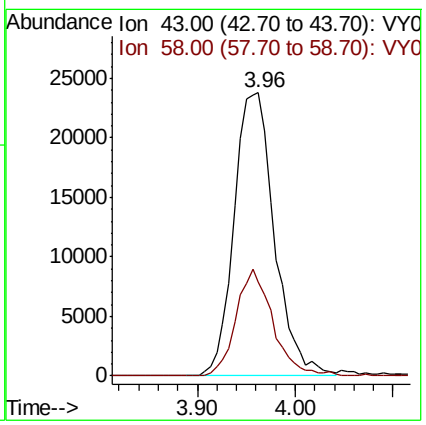


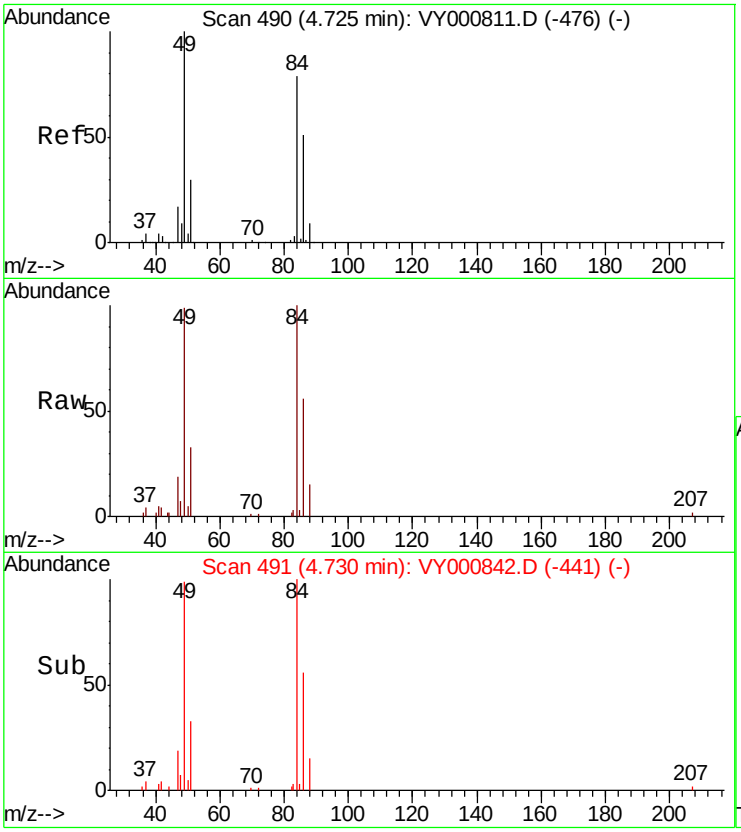




#16
Acetone
Concen: 112.348 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 43 Resp: 67928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.4 | 28.0 | 42.0 |



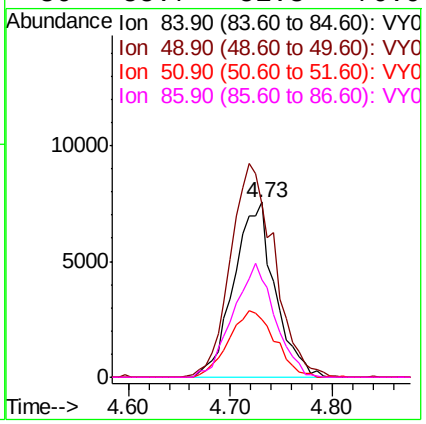


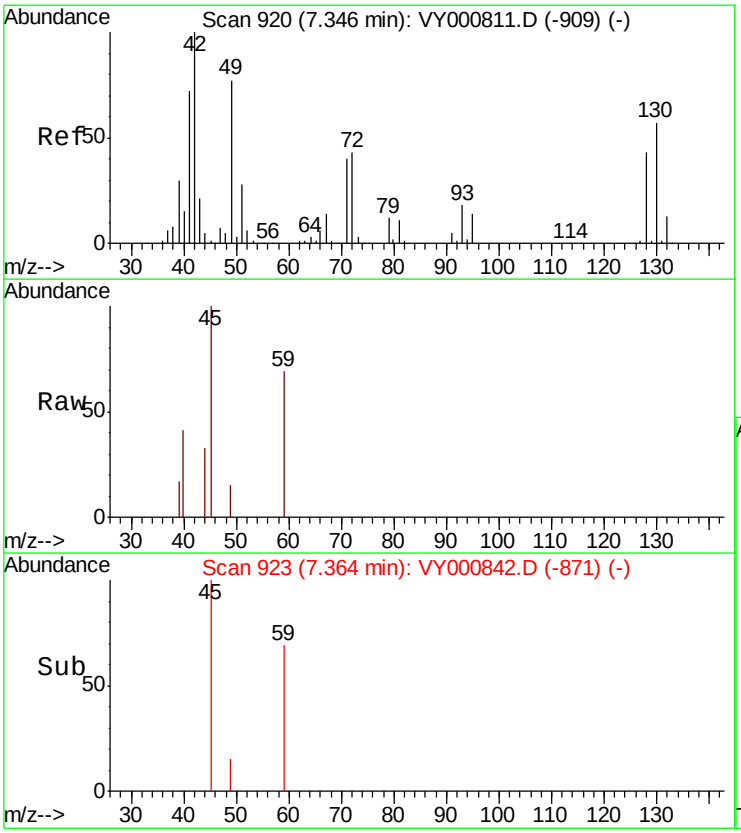

#20
Methylene Chloride
Concen: 6.607 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion: 84 Resp: 21058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 98.2 | 101.3 | 151.9# |
| 51 | 32.9 | 30.6 | 45.8 |
| 86 | 55.7 | 51.3 | 76.9 |

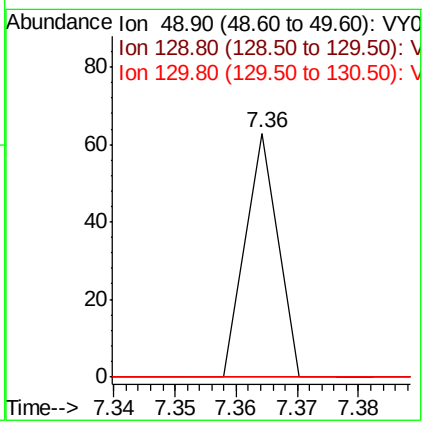


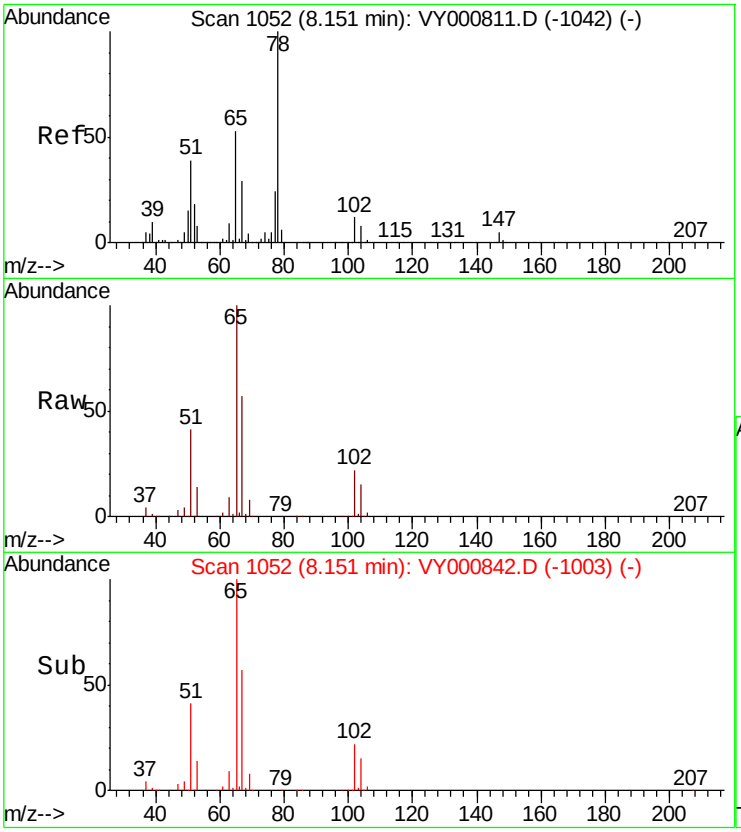




#28
Bromochloromethane
Concen: 2.027 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 49 Resp: 23

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 58.7 | 88.1# |



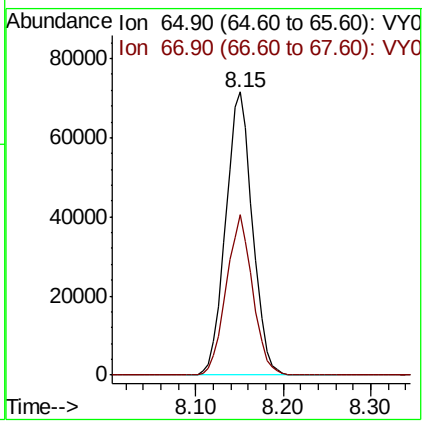


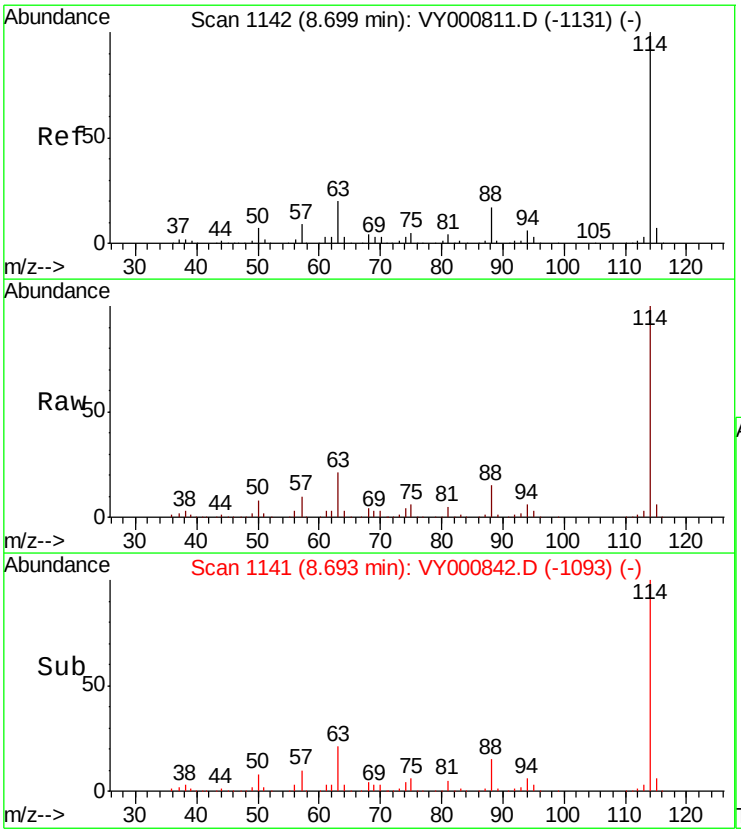

#33
1,2-Dichloroethane-d4
Concen: 57.616 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion: 65 Resp: 151858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.7 | 0.0 | 112.0 |

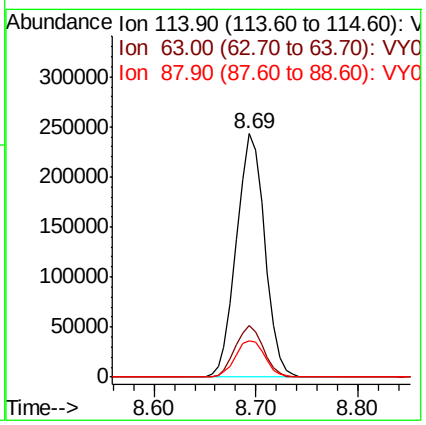


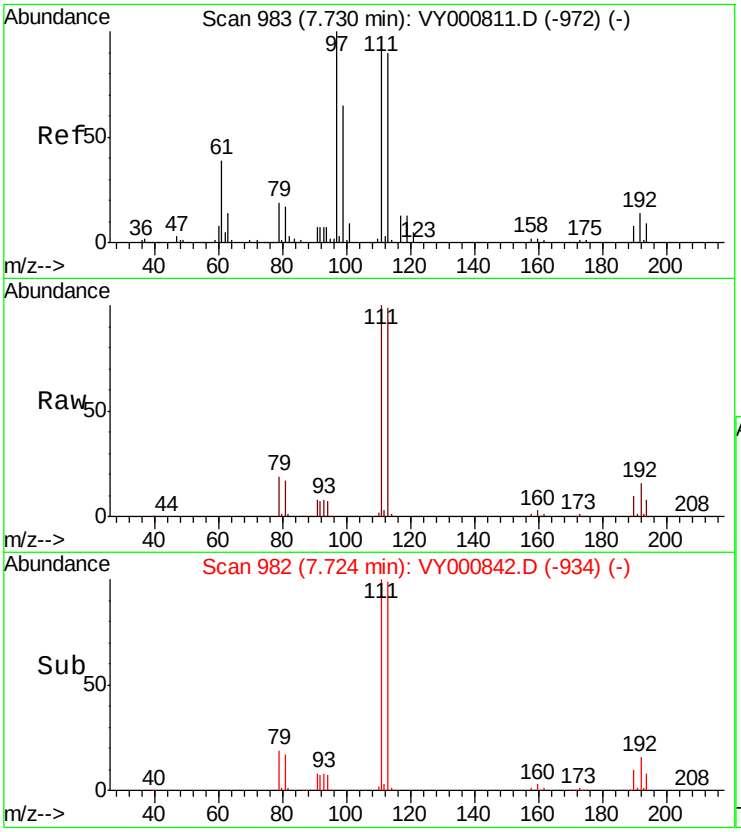




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion:114 Resp: 469337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 39.8 |
| 88 | 15.1 | 0.0 | 33.2 |



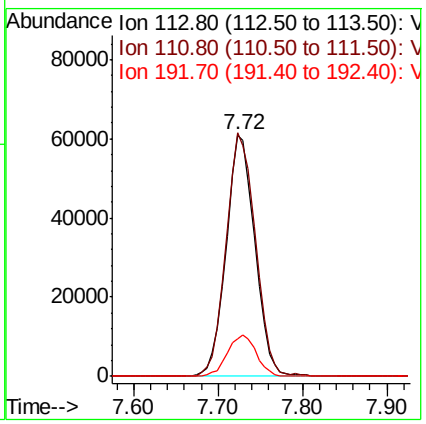


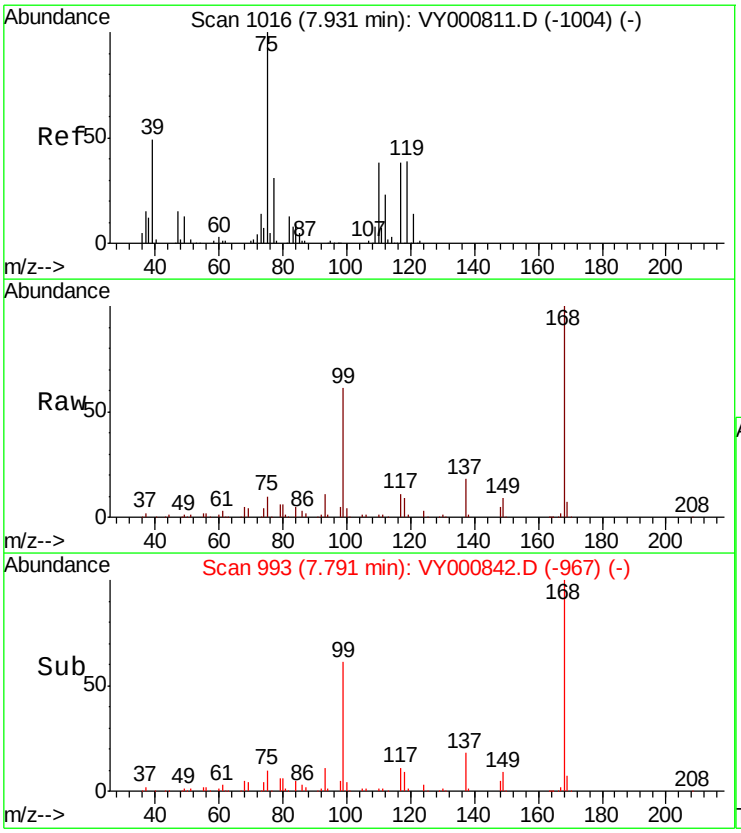

#35
Dibromofluoromethane
Concen: 51.409 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:113 Resp: 140620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 82.4 | 123.6 |
| 192 | 17.4 | 14.2 | 21.2 |

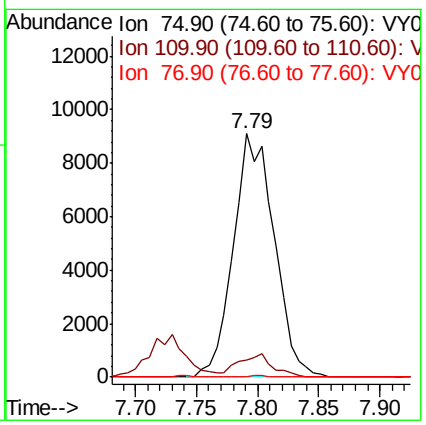


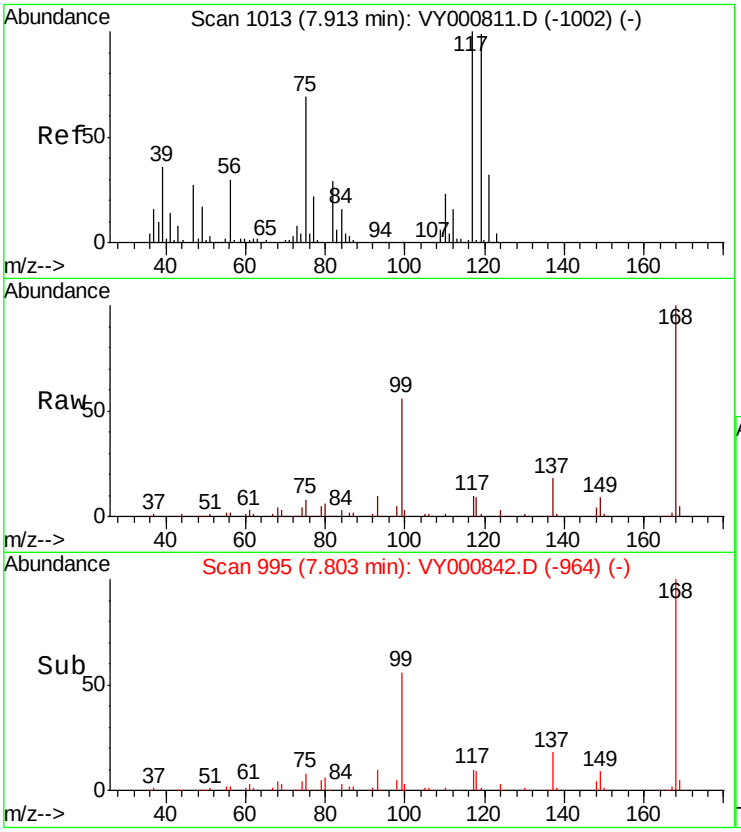




#36
1,1-Dichloropropene
Concen: 4.522 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.14 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 75 Resp: 21101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.1 | 17.9 | 53.7# |
| 77 | 0.3 | 24.7 | 37.1# |



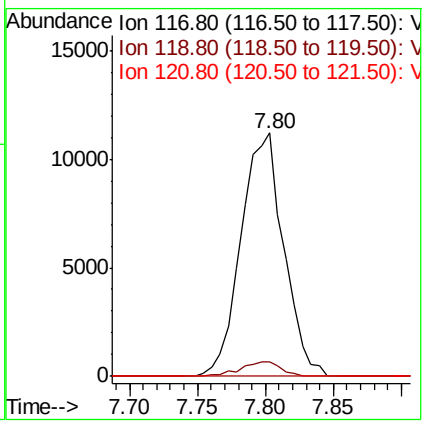


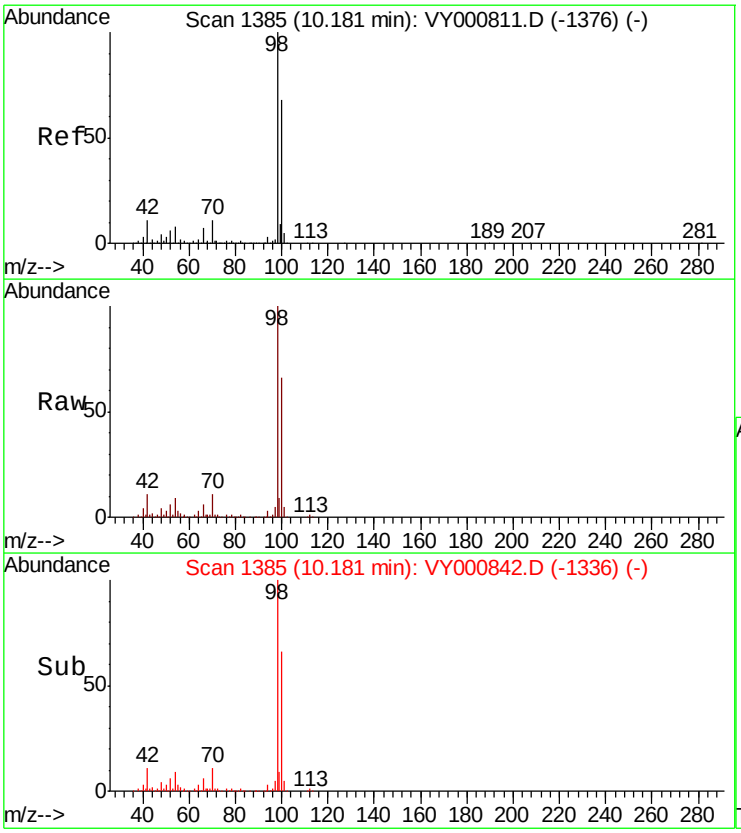

#38
Carbon Tetrachloride
Concen: 5.930 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:117 Resp: 24646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.8 | 79.3 | 118.9# |
| 121 | 0.0 | 25.5 | 38.3# |

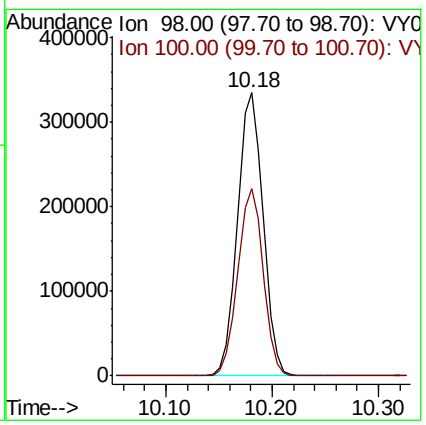


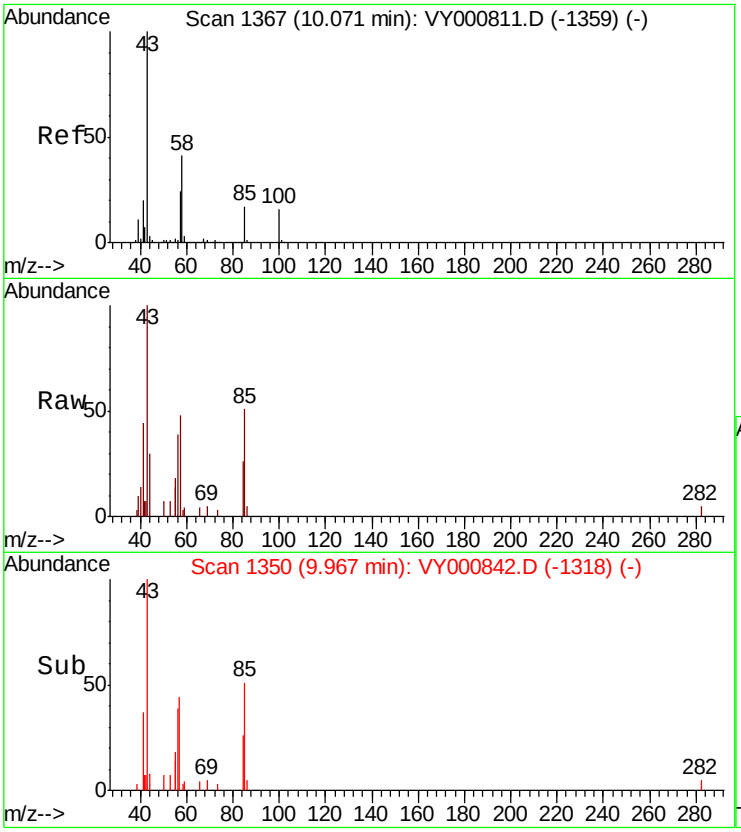




#50
Toluene-d8
Concen: 51.798 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 98 Resp: 566441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.8 | 53.1 | 79.7 |



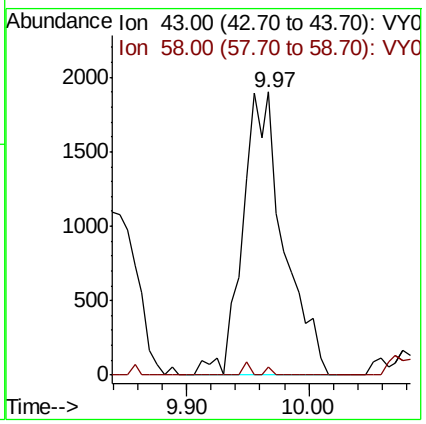


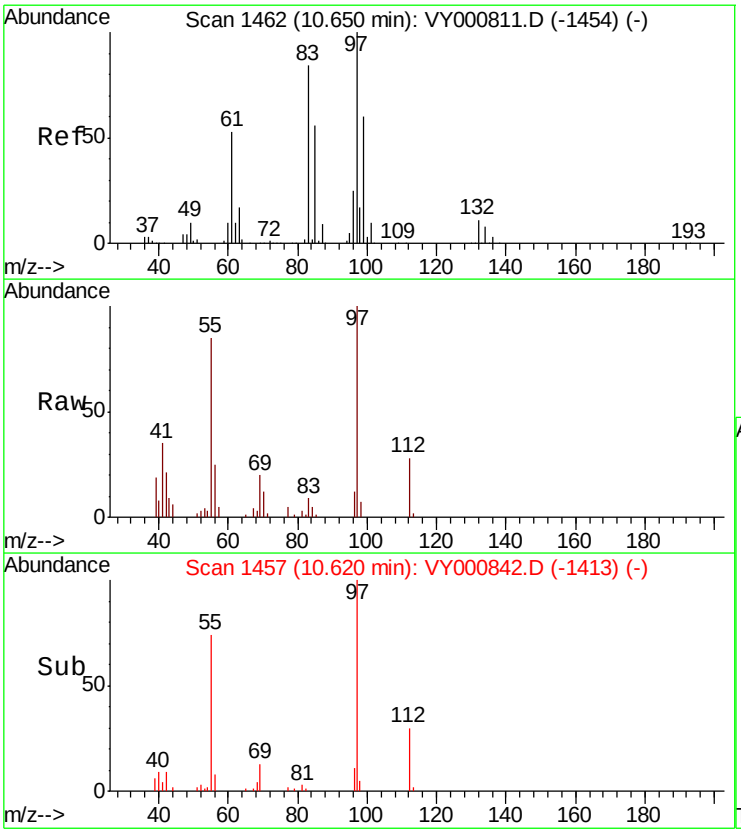

#51
4-Methyl-2-Pentanone
Concen: 1.693 ug/l
RT: 9.97 min Scan# 1350
Delta R.T. -0.10 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 4441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 33.1 | 49.7# |

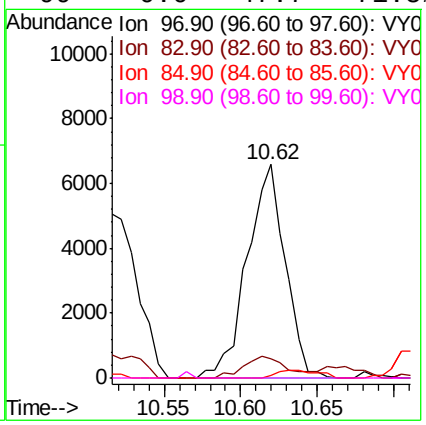


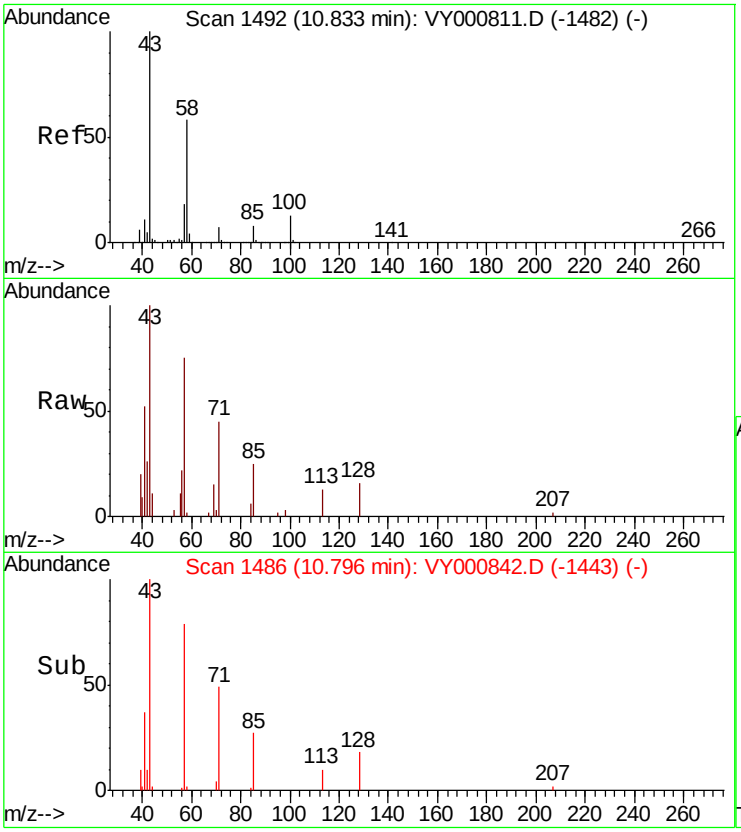




#55
1,1,2-Trichloroethane
Concen: 4.335 ug/l
RT: 10.62 min Scan# 1457
Delta R.T. -0.03 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 97 Resp: 11425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 9.0 | 67.5 | 101.3# |
| 85 | 1.2 | 44.5 | 66.7# |
| 99 | 0.0 | 47.7 | 71.5# |



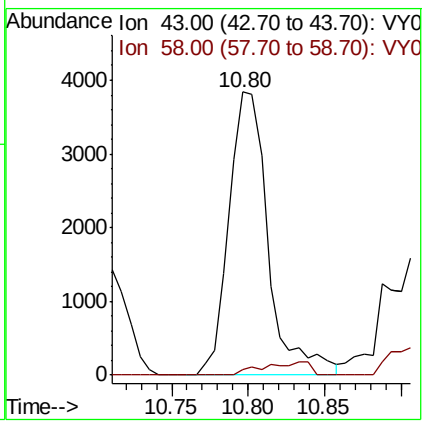


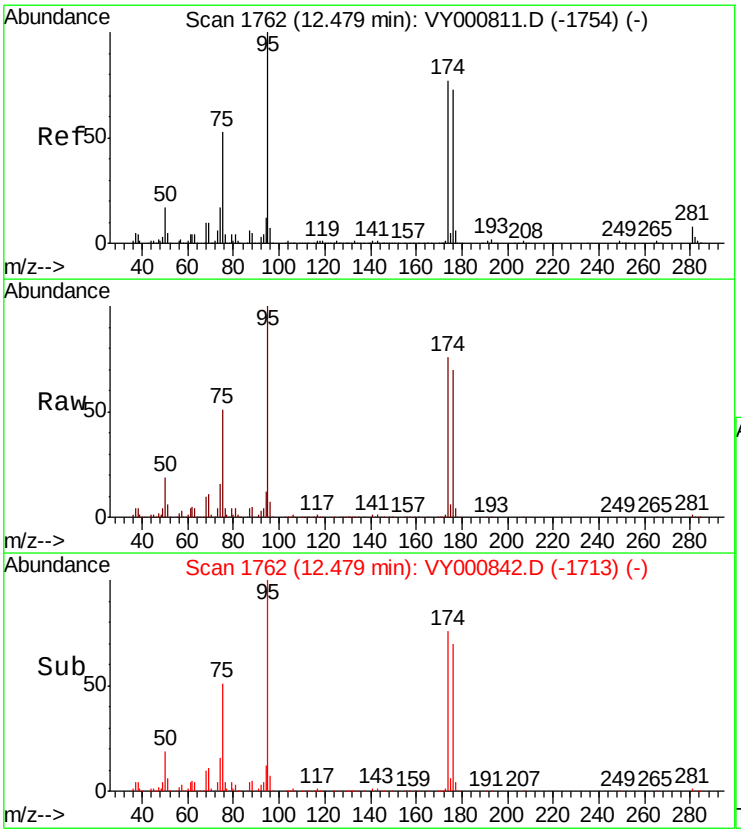

#59
2-Hexanone
Concen: 3.571 ug/l
RT: 10.80 min Scan# 1486
Delta R.T. -0.04 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 6826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 29.0 | 87.1# |

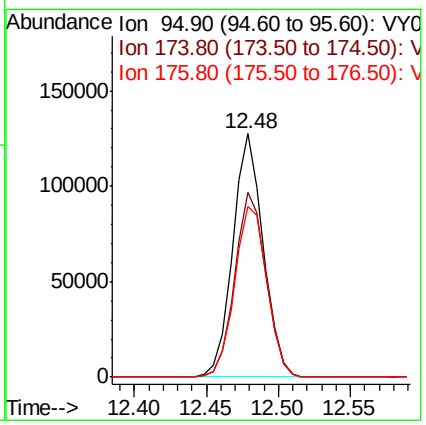


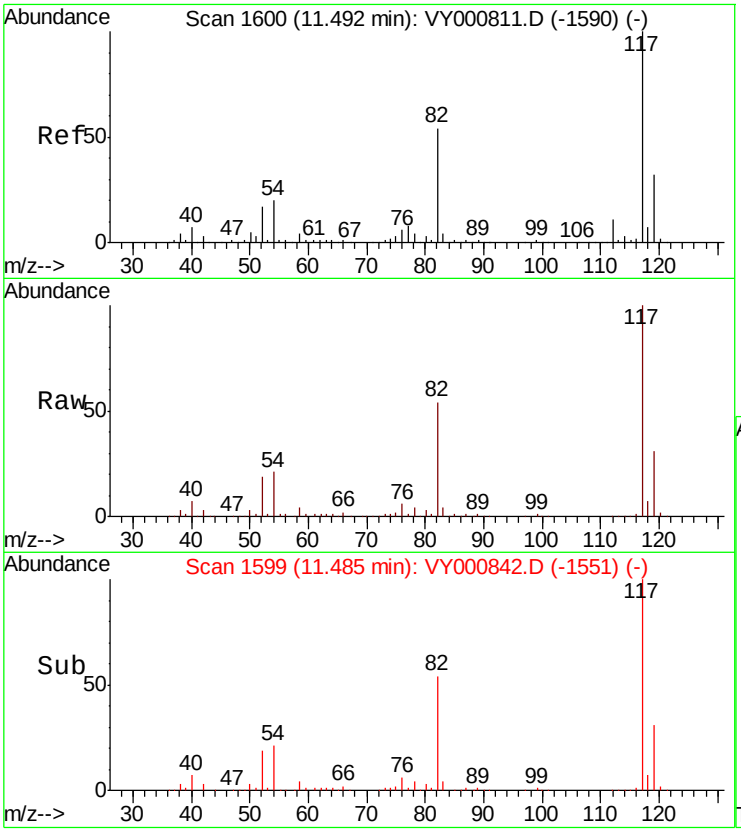




#62
4-Bromofluorobenzene
Concen: 45.548 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 95 Resp: 187060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.4 | 0.0 | 150.6 |
| 176 | 74.6 | 0.0 | 145.2 |



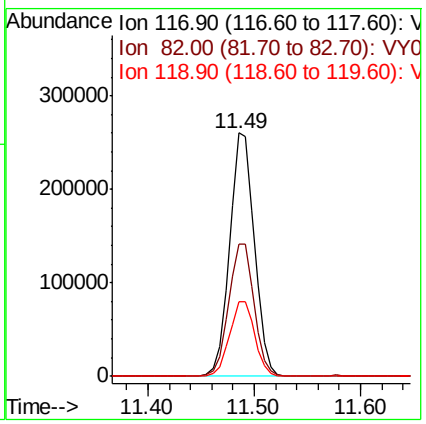


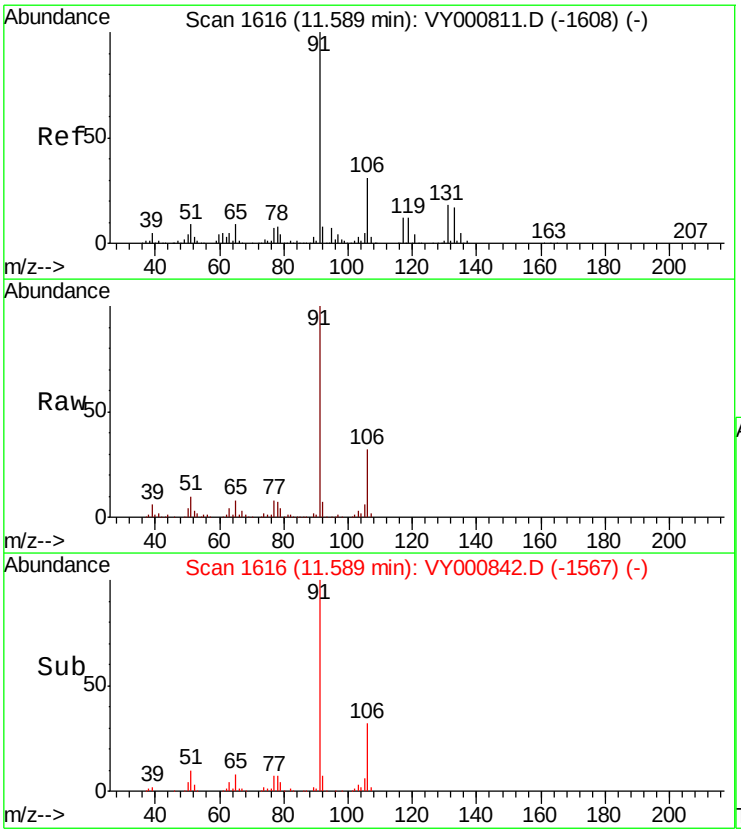

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:117 Resp: 424456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 43.1 | 64.7 |
| 119 | 30.8 | 25.3 | 37.9 |

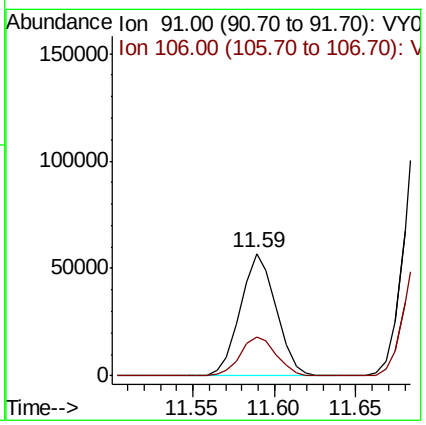


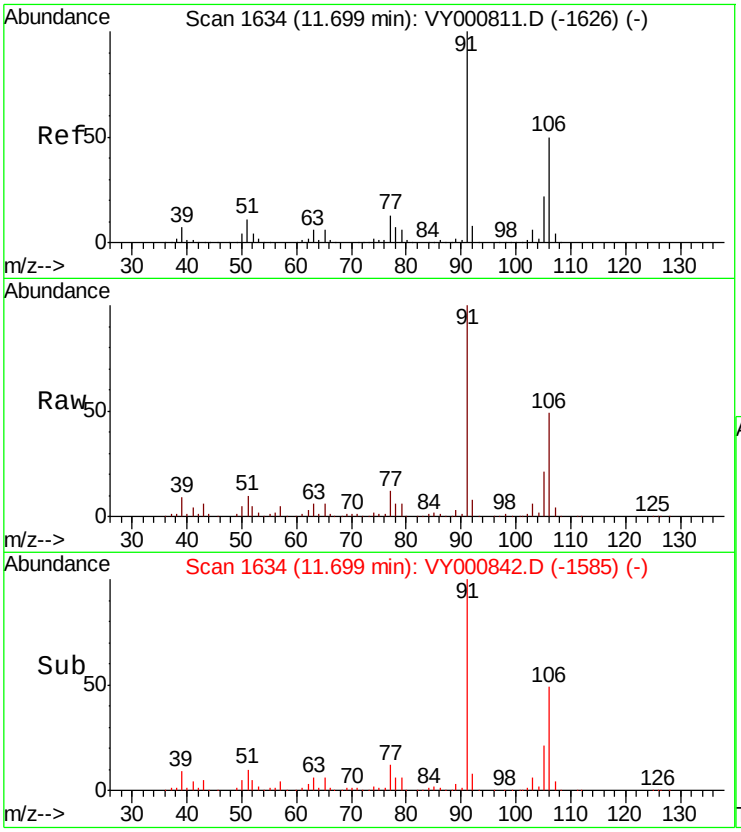




#67
Ethyl Benzene
Concen: 5.282 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 91 Resp: 86789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.0 | 24.4 | 36.6 |



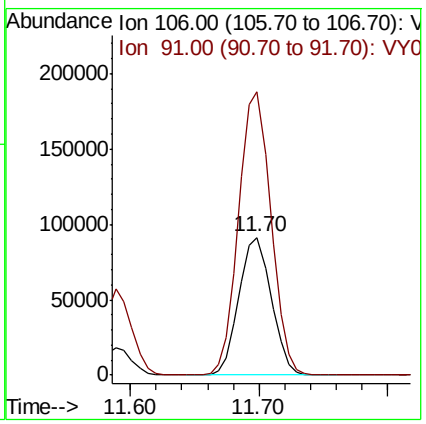


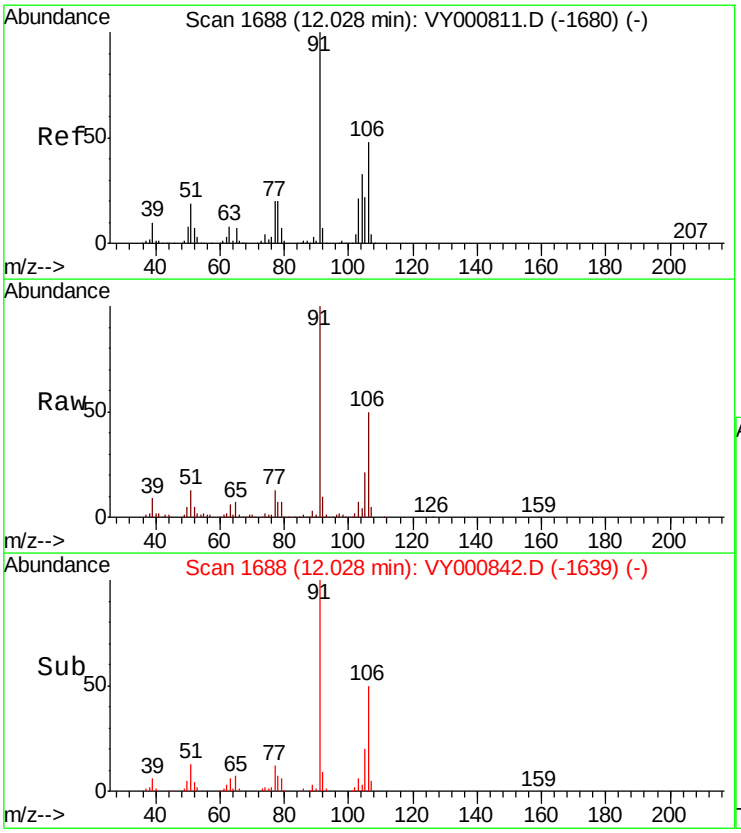

#68
m/p-Xylenes
Concen: 25.863 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion:106 Resp: 159510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 159.6 | 239.4 |

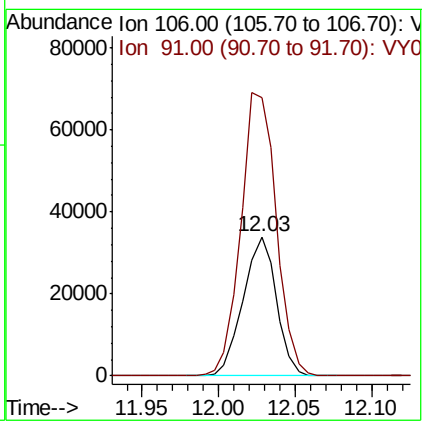


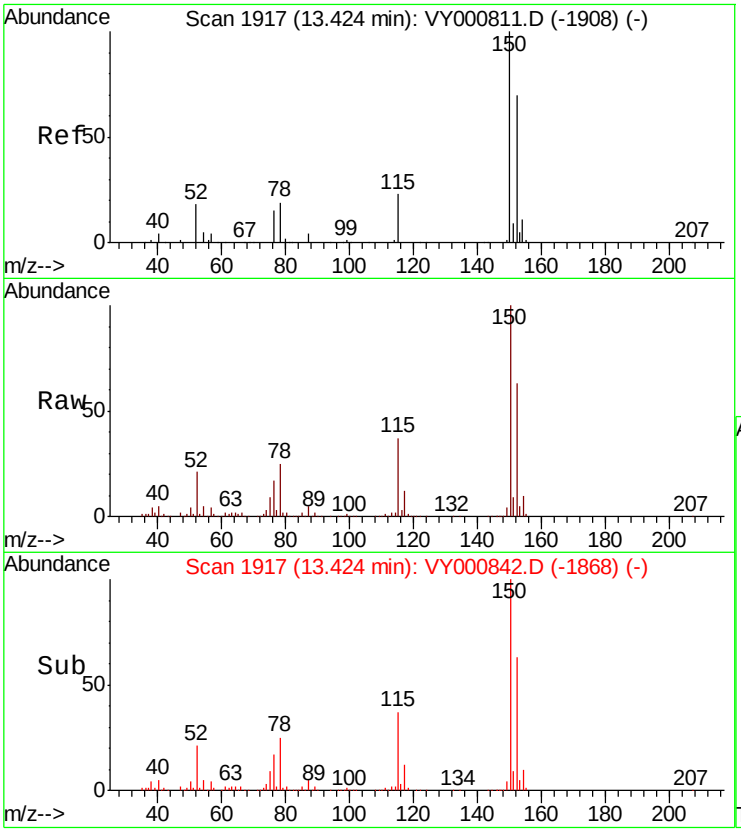




#69
o-Xylene
Concen: 8.939 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion:106 Resp: 51406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.9 | 106.1 | 318.1 |



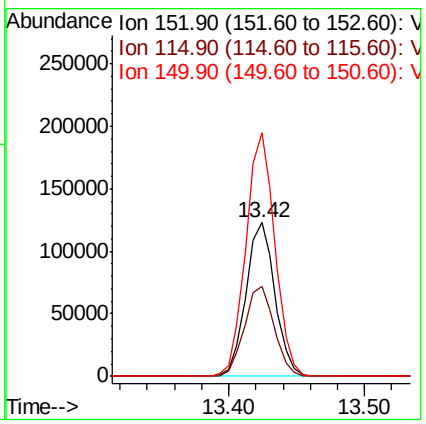


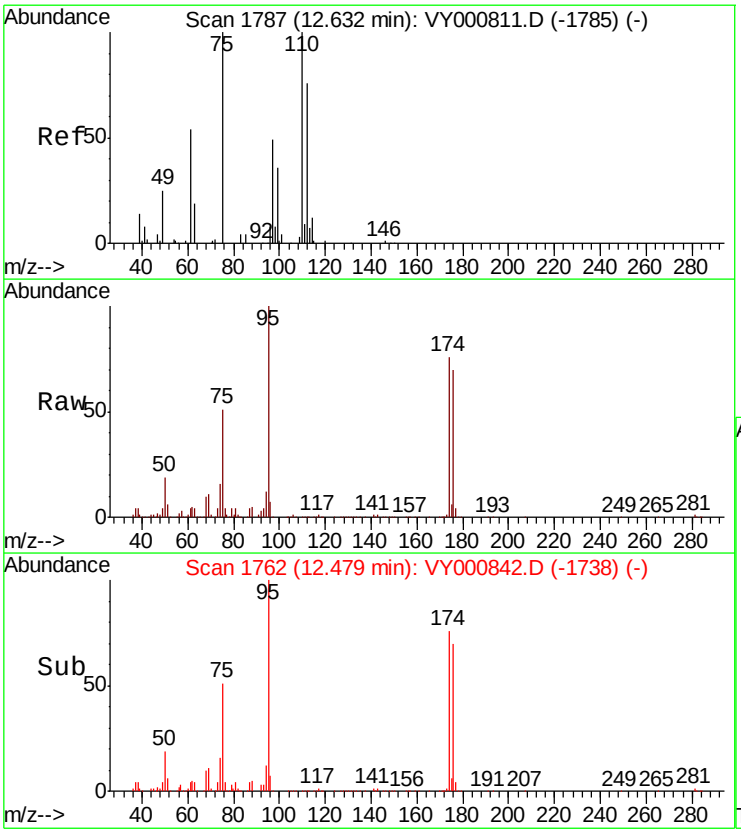

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion:152 Resp: 183216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.7 | 29.3 | 87.8 |
| 150 | 158.4 | 0.0 | 351.2 |

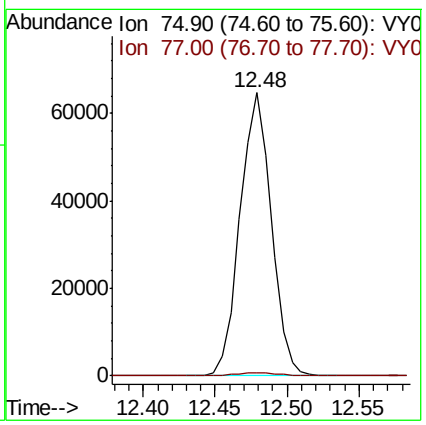


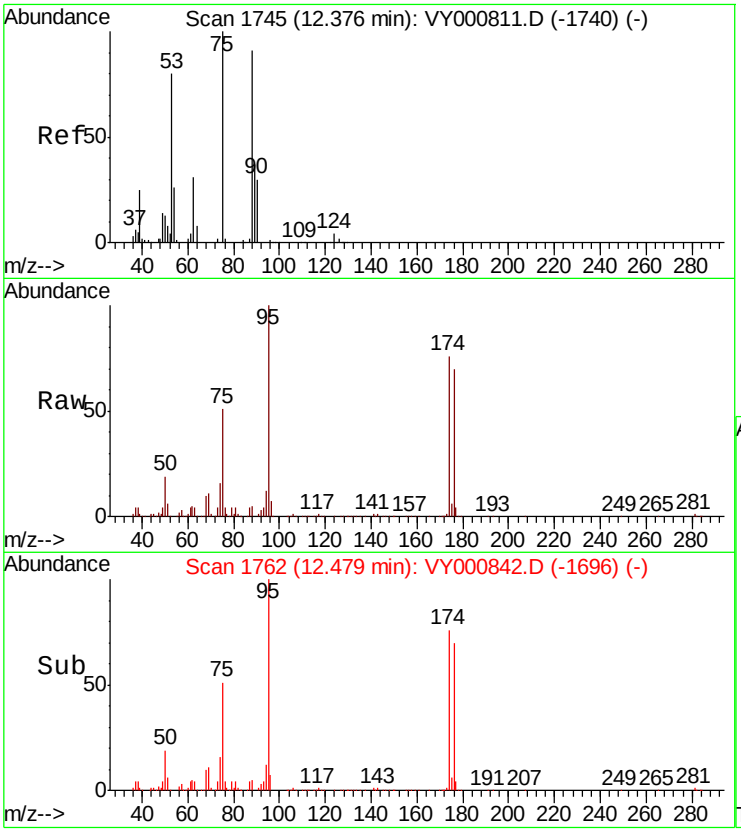




#76
1,2,3-Trichloropropane
Concen: 46.848 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion: 75 Resp: 97248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.6 | 0.0 | 0.0# |



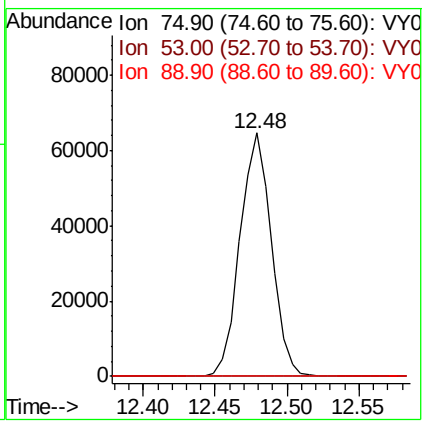


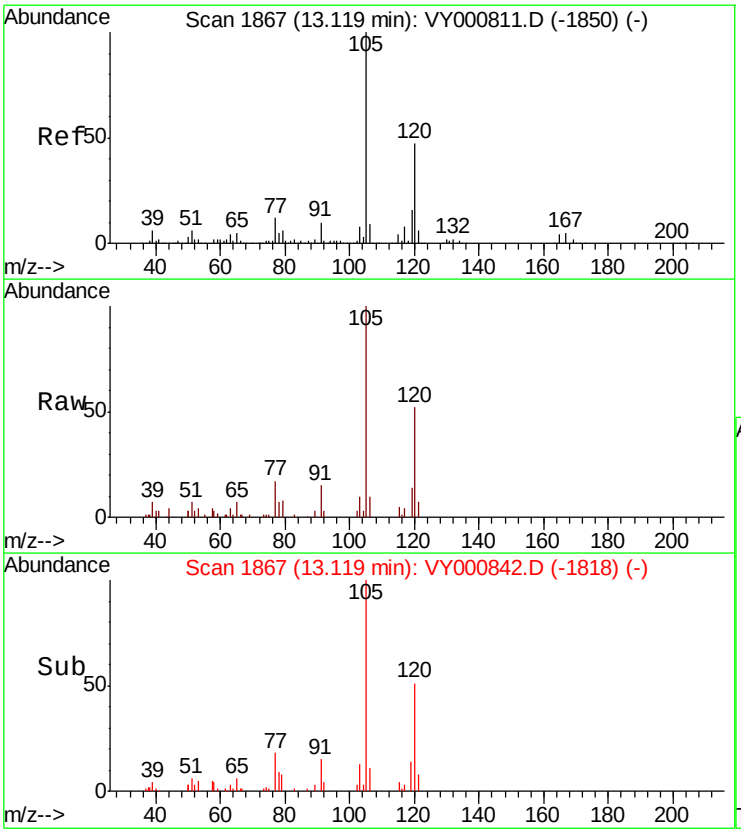

#81
trans-1,4-Dichloro-2-butene
Concen: 92.023 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion: 75 Resp: 97248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 64.6 | 96.8# |
| 89 | 0.1 | 33.6 | 50.4# |

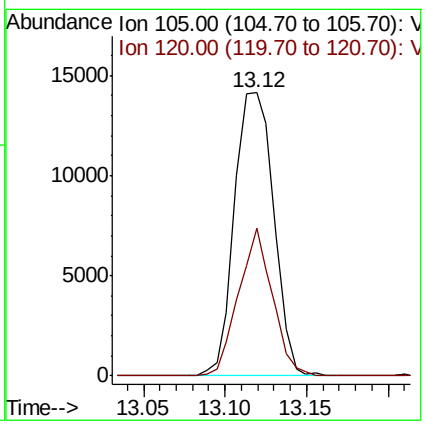


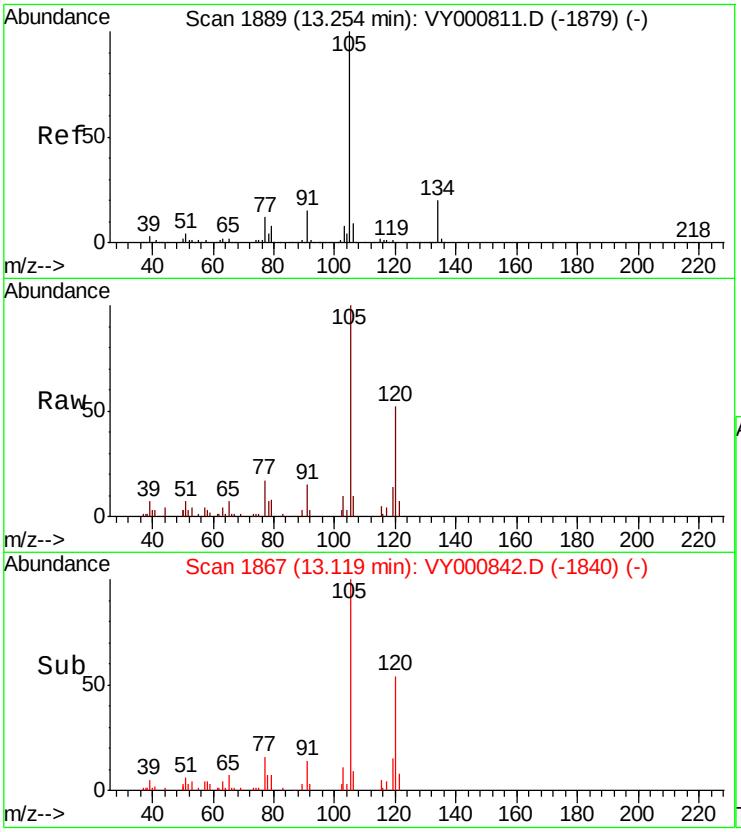




#84
1,2,4-Trimethylbenzene
Concen: 1.962 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

Tgt Ion:105 Resp: 23710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.6 | 67.8 |






#85
sec-Butylbenzene
Concen: 1.605 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.13 min
Lab File: VY000842.D
Acq: 03 Dec 2019 16:41

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:105 Resp: 23710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 10.1 | 30.1# |