Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110918\
Data File : VX005887.D
Acq On : 10 Nov 2018 03:31
Operator : JC/MD
Sample : J5889-13
Misc : 16.55g/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Quant Time: Nov 11 23:58:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 135169 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 199215 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 168363 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 88974 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 78911 | 50.78 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.56% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 61855 | 45.65 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.30% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 218978 | 48.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.22% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 80119 | 49.47 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.94% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 424 | 0.432 | ug/l | 82 |
| 11) Tert butyl alcohol | 3.01 | 59 | 2256 | 5.068 | ug/l # | 72 |
| 16) Acetone | 2.43 | 43 | 169 | 0.202 | ug/l # | 45 |
| 18) Methyl Acetate | 2.79 | 43 | 2663 | Below Cal | # | 84 |
| 20) Methylene Chloride | 2.84 | 84 | 660 | 0.480 | ug/l # | 87 |
| 25) 2-Butanone | 4.74 | 43 | 768 | 0.584 | ug/l | 100 |
| 31) Cyclohexane | 5.66 | 56 | 2473 | 1.142 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 9012 | 4.693 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 12608 | 6.558 | ug/l # | 15 |
| 68) m/p-Xylenes | 10.36 | 106 | 1171 | 0.568 | ug/l | 89 |
| 69) o-Xylene | 10.70 | 106 | 475 | 0.257 | ug/l | 99 |
| 74) N-amyl acetate | 10.91 | 43 | 63 | 1.272 | ug/l # | 1 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 39524 | 21.816 | ug/l # | 37 |
| 78) n-propylbenzene | 11.36 | 91 | 1752 | 0.289 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.44 | 91 | 996 | 0.272 | ug/l # | 40 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 1279 | 0.293 | ug/l | 95 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 39524 | 69.531 | ug/l # | 9 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 12347 | 2.445 | ug/l | 99 |
| 85) sec-Butylbenzene | 11.81 | 105 | 12347 | 2.283 | ug/l # | 56 |
| 89) n-Butylbenzene | 12.39 | 91 | 2524 | 0.568 | ug/l # | 51 |
| 90) Hexachloroethane | 12.61 | 117 | 330 | 0.413 | ug/l # | 2 |
| 95) Naphthalene | 13.83 | 128 | 149426 | 23.971 | ug/l | 100 |

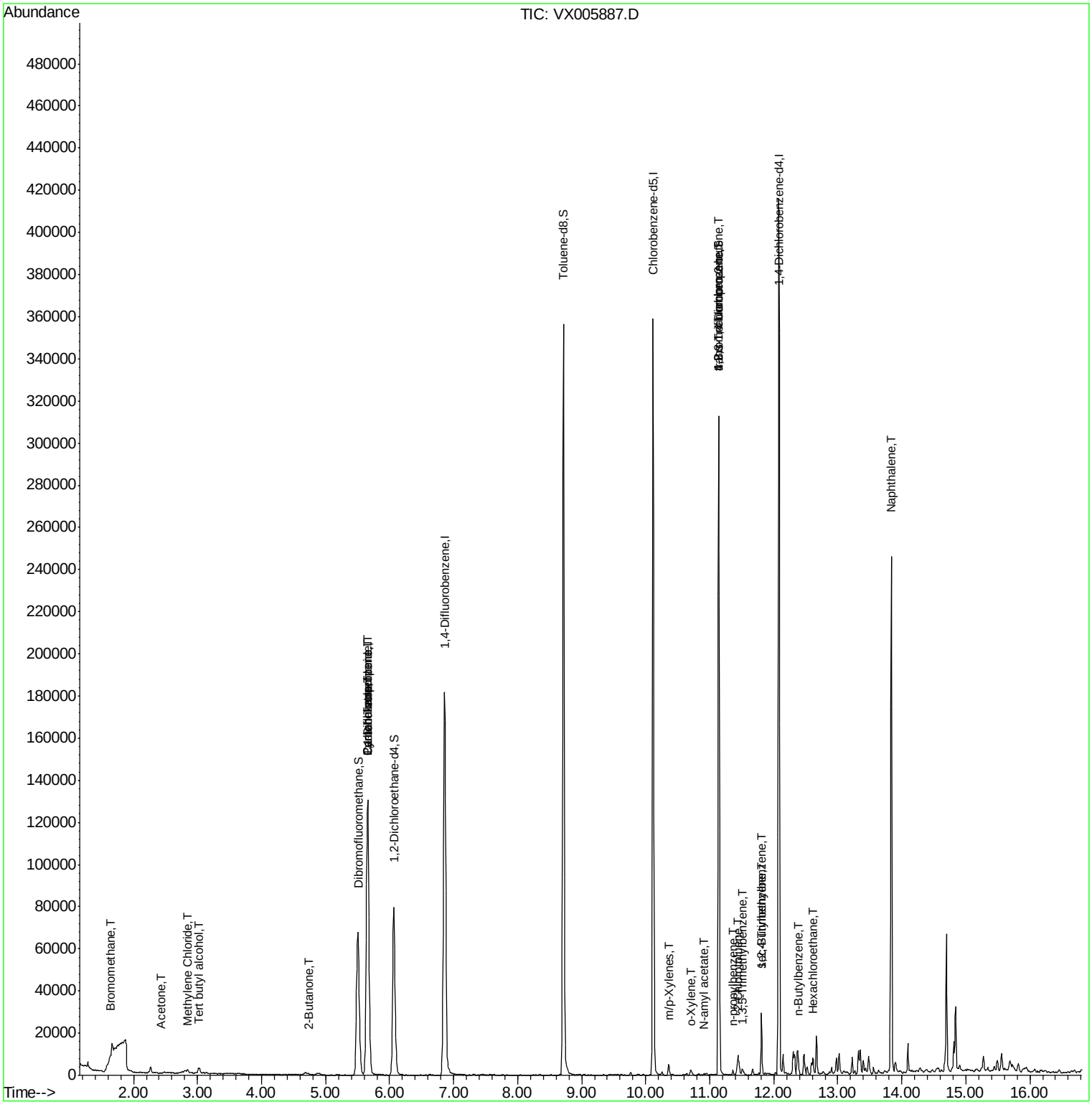
(#) = qualifier out of range (m) = manual integration (+) = signals summed

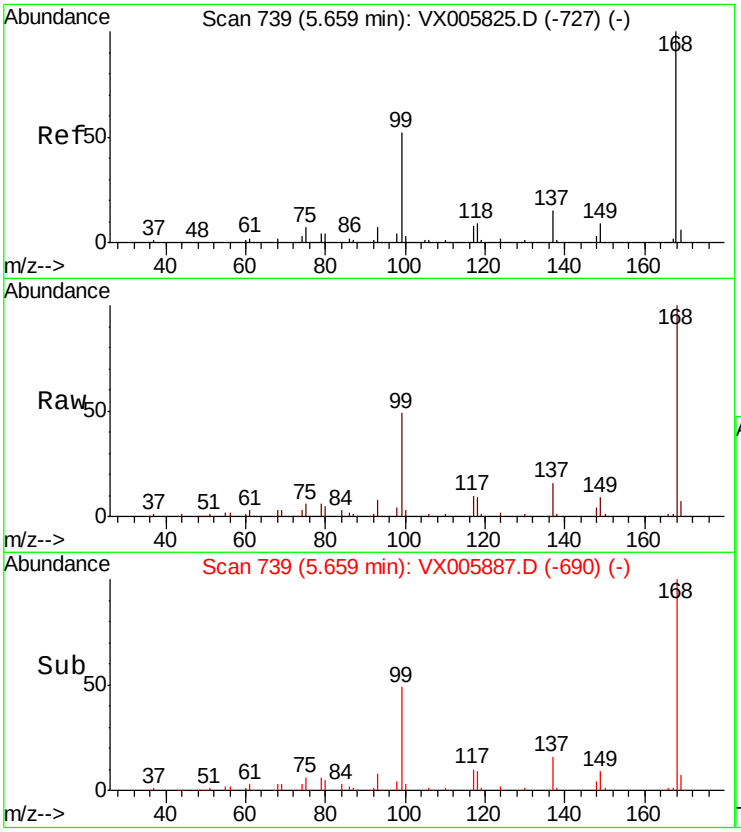
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110918\
Data File : VX005887.D
Acq On : 10 Nov 2018 03:31
Operator : JC/MD
Sample : J5889-13
Misc : 16.55g/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Quant Time: Nov 11 23:58:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration



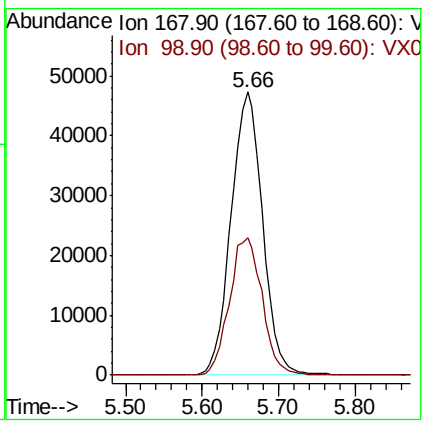


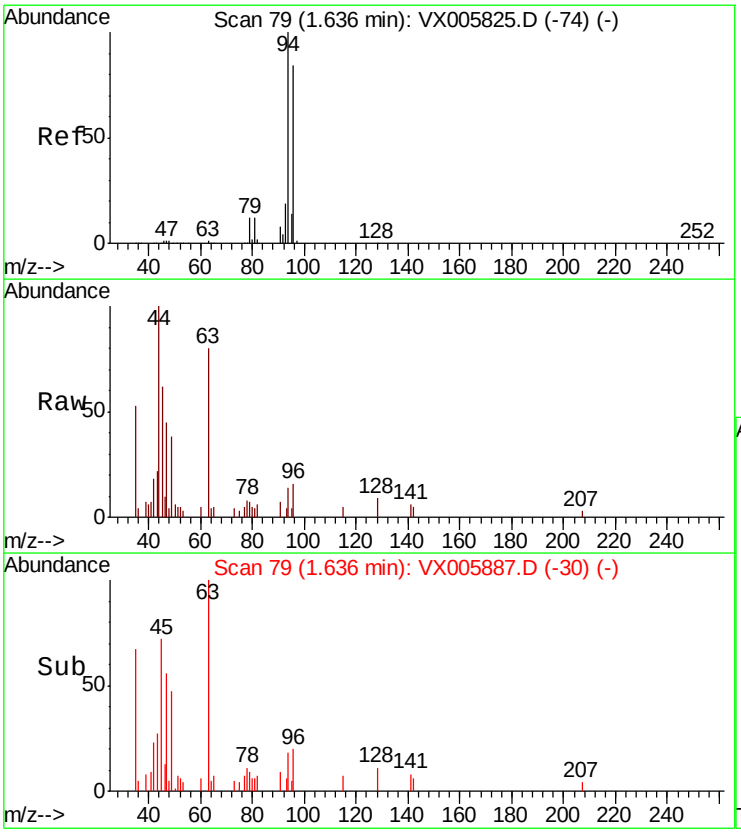

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion:168 Resp: 135169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.7 | 40.7 | 61.1 |

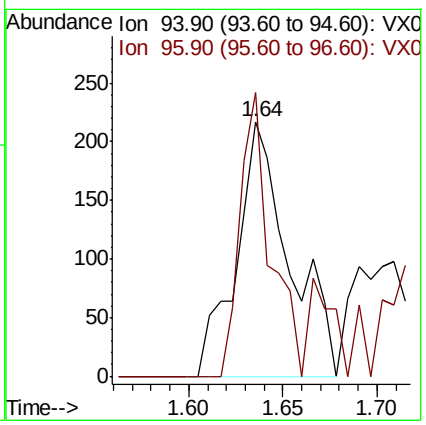


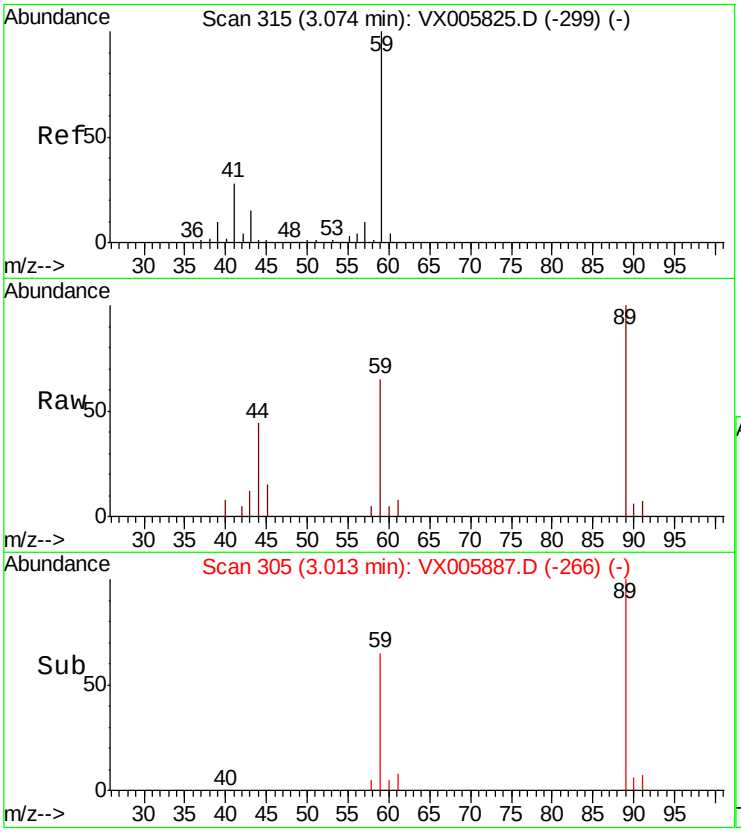




#5
Bromomethane
Concen: 0.432 ug/l
RT: 1.64 min Scan# 79
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 94 Resp: 424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 111.5 | 75.2 | 112.8 |



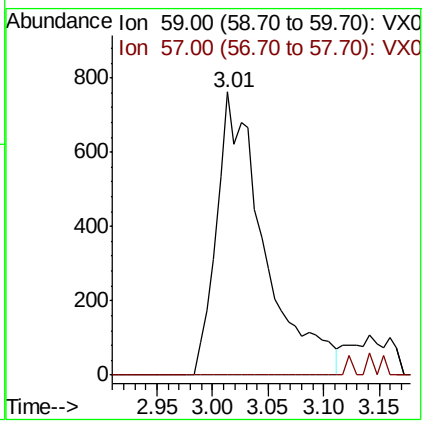


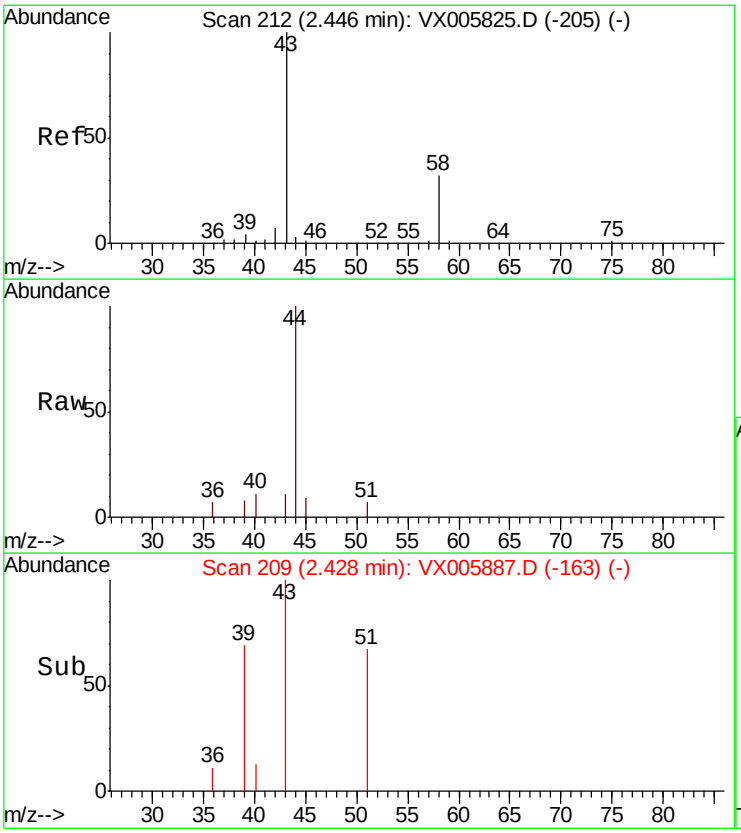

#11
Tert butyl alcohol
Concen: 5.068 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Tgt Ion: 59 Resp: 2256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.5 | 12.7# |

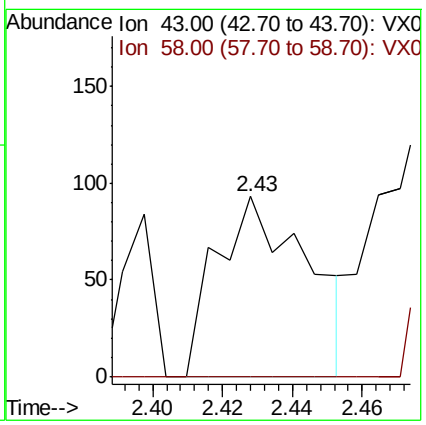


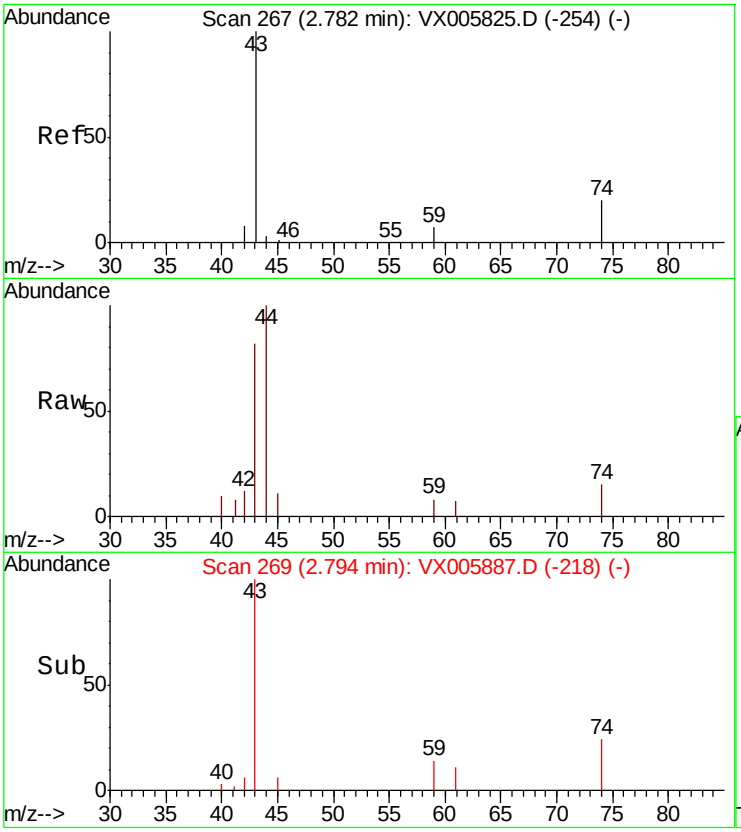




#16
Acetone
Concen: 0.202 ug/l
RT: 2.43 min Scan# 209
Delta R.T. -0.02 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 43 Resp: 169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 23.8 | 35.6# |



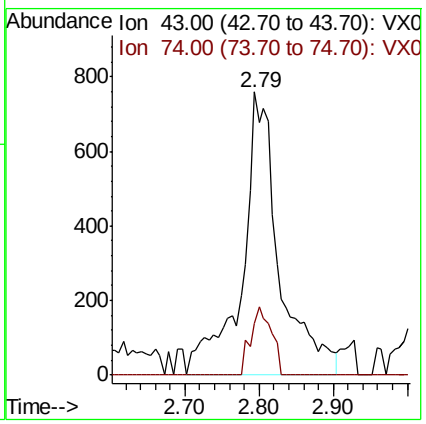


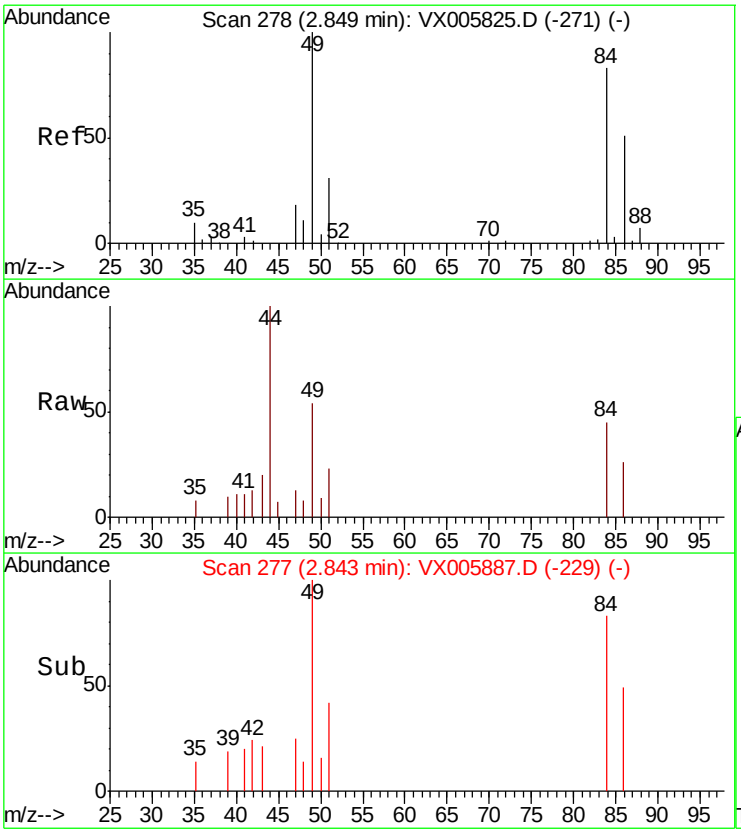

#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 269
Delta R.T. 0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Tgt Ion: 43 Resp: 2663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 13.5 | 16.8 | 25.2# |

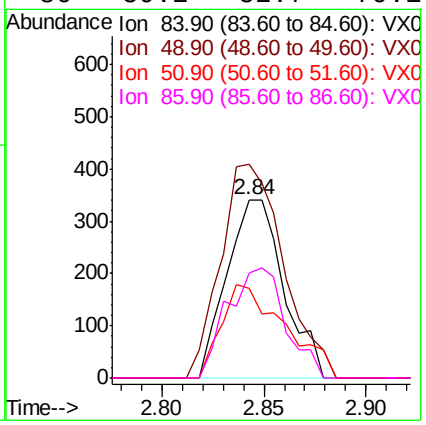


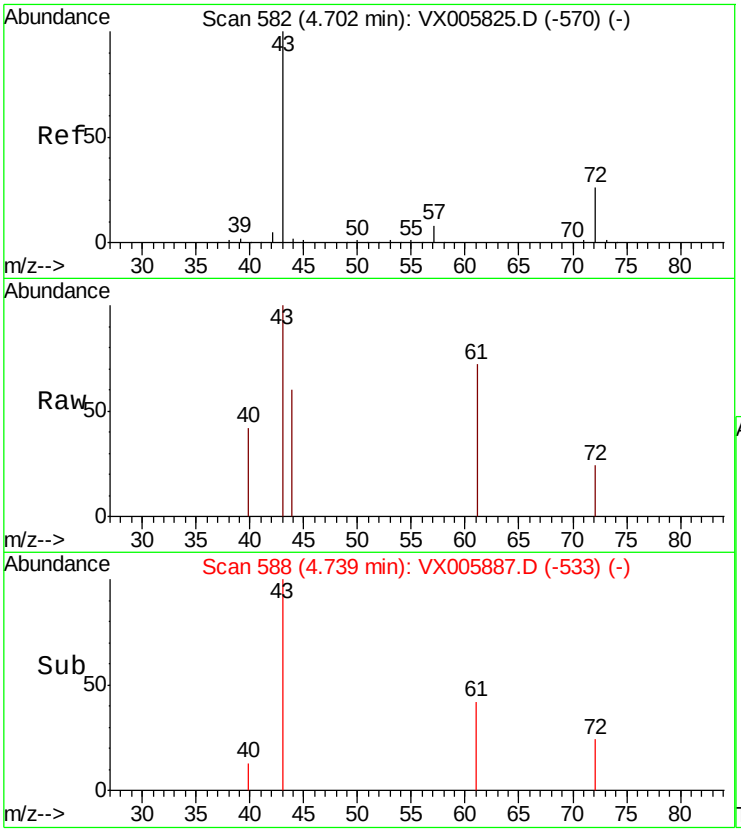




#20
Methylene Chloride
Concen: 0.480 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 84 Resp: 660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.9 | 109.5 | 164.3 |
| 51 | 50.4 | 33.3 | 49.9# |
| 86 | 59.2 | 52.7 | 79.1 |



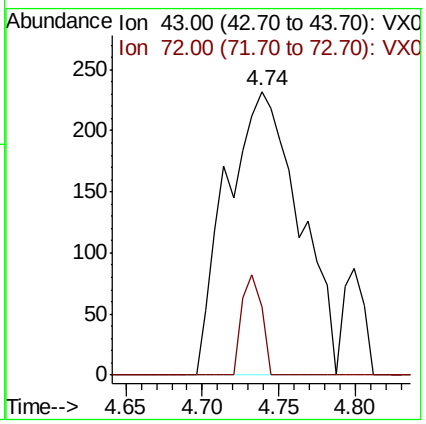


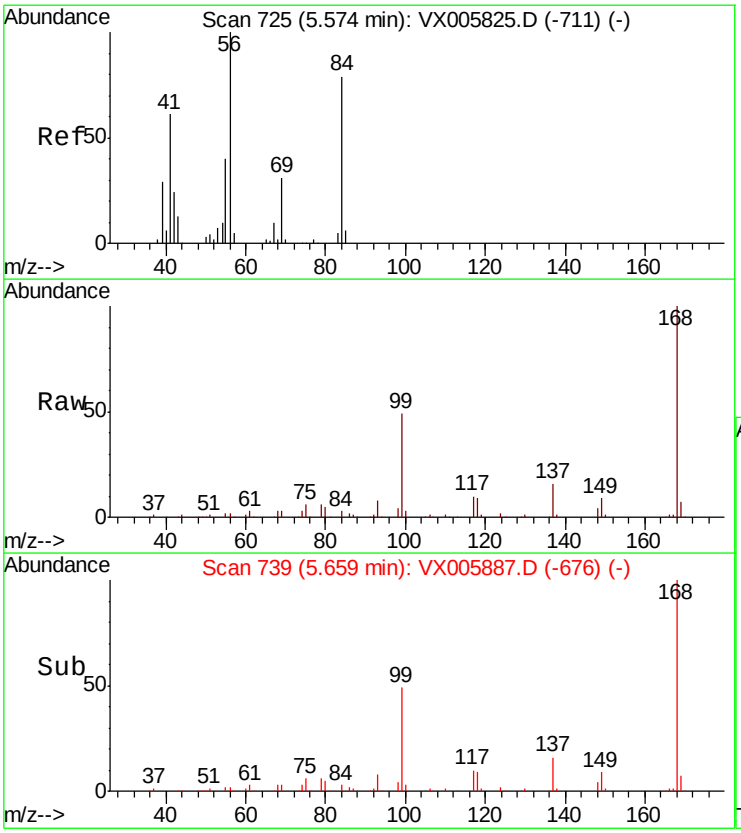

#25
2-Butanone
Concen: 0.584 ug/l
RT: 4.74 min Scan# 588
Delta R.T. 0.04 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion: 43 Resp: 768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.1 | 19.2 | 28.8 |

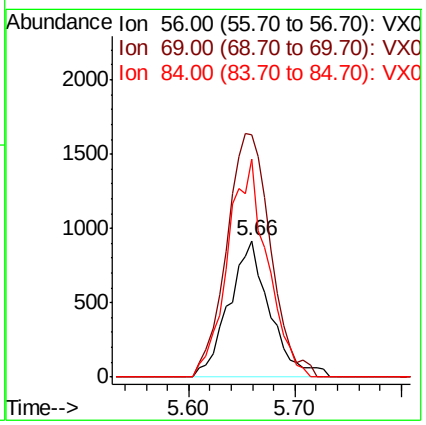


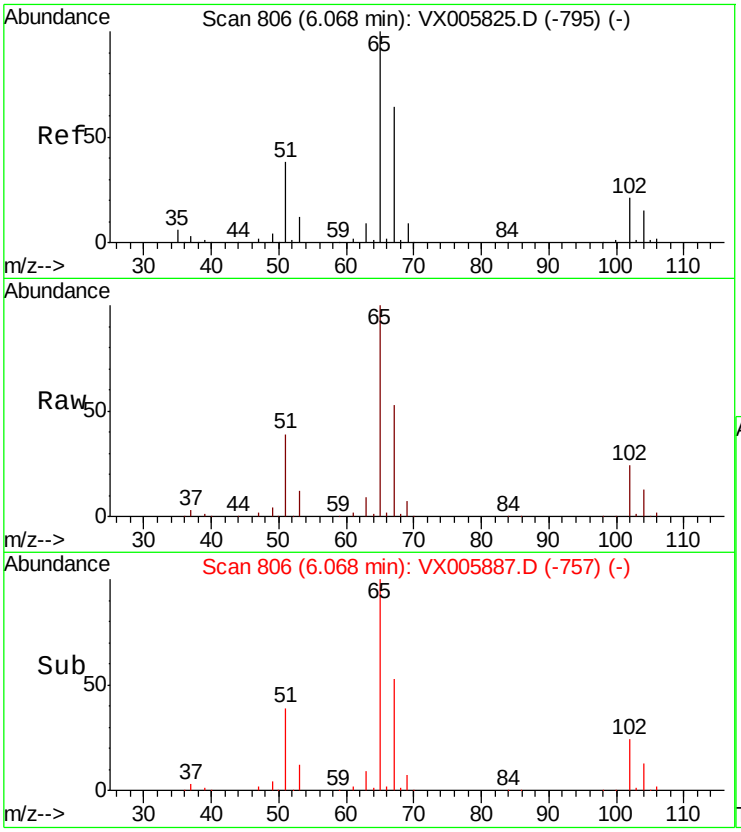




#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 56 Resp: 2473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 177.5 | 22.6 | 34.0# |
| 84 | 160.1 | 62.7 | 94.1# |



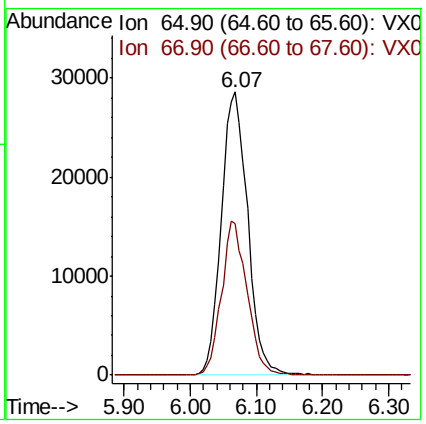


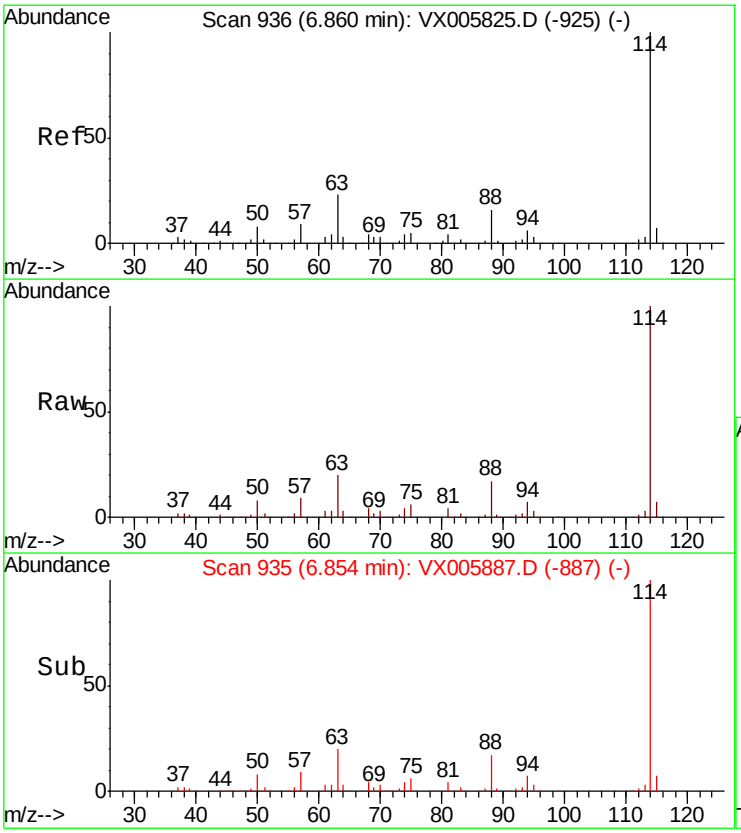

#33
1,2-Dichloroethane-d4
Concen: 50.781 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion: 65 Resp: 78911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.0 |

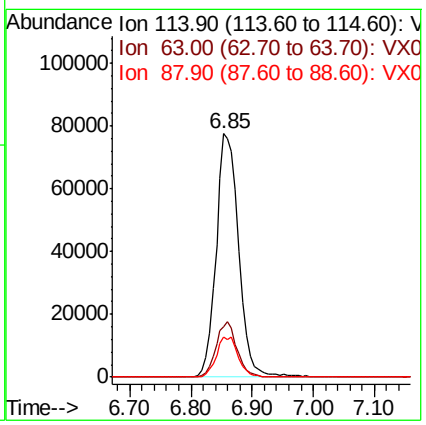


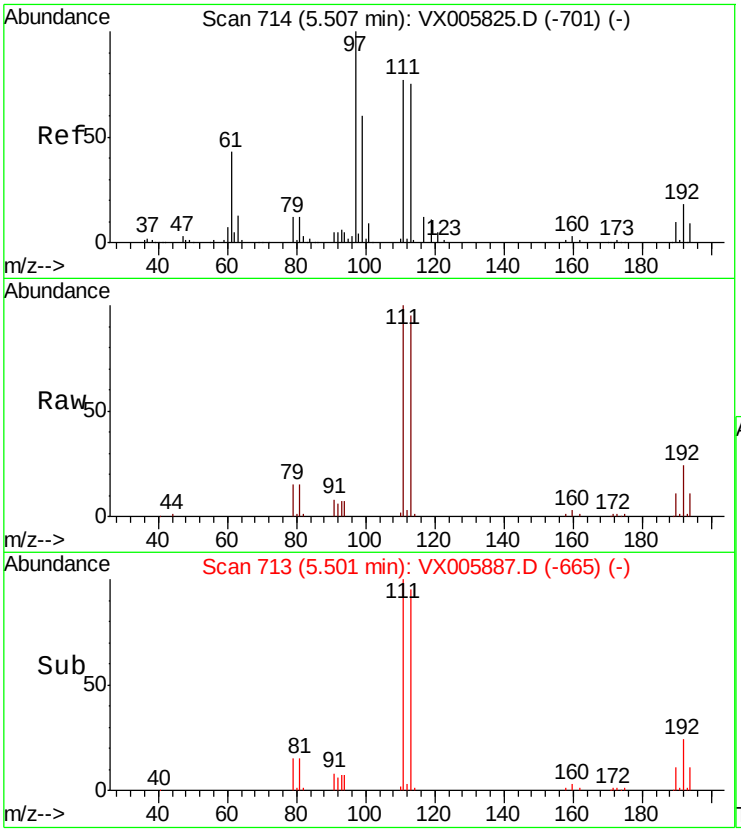




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:114 Resp: 199215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 42.8 |
| 88 | 16.7 | 0.0 | 31.2 |



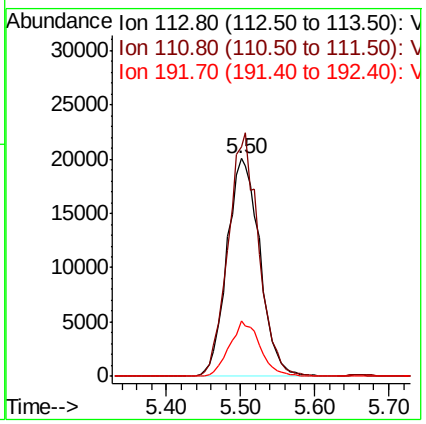


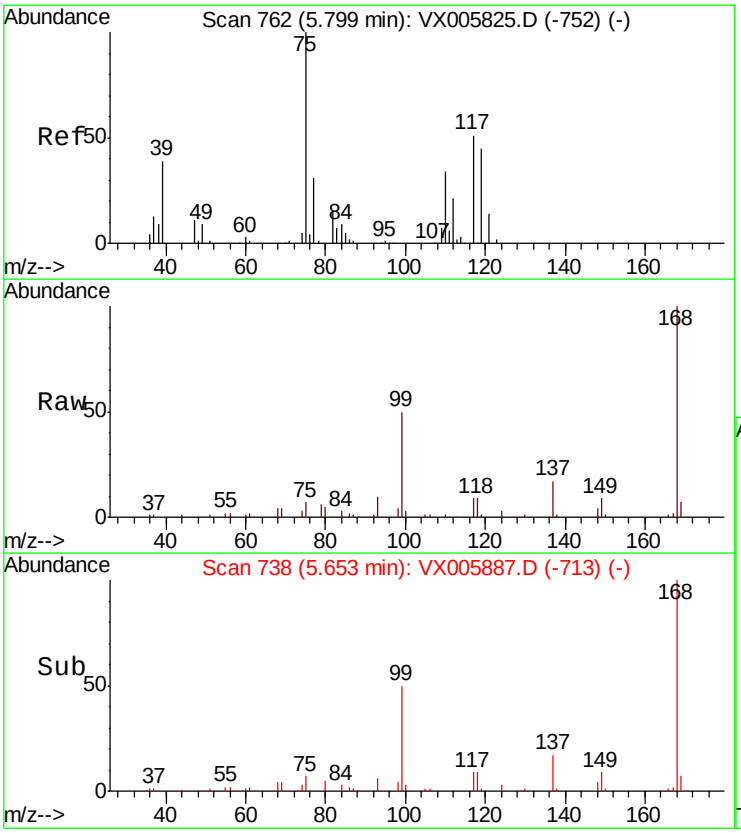

#35
Dibromofluoromethane
Concen: 45.651 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion:113 Resp: 61855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.4 | 82.3 | 123.5 |
| 192 | 23.6 | 17.9 | 26.9 |

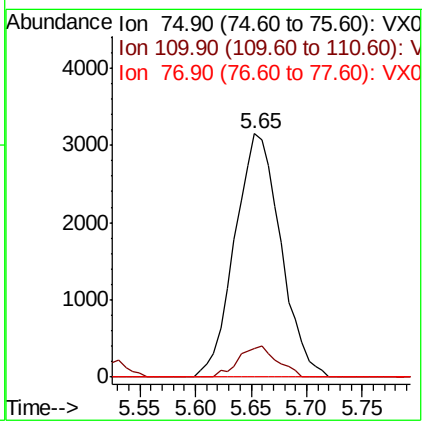


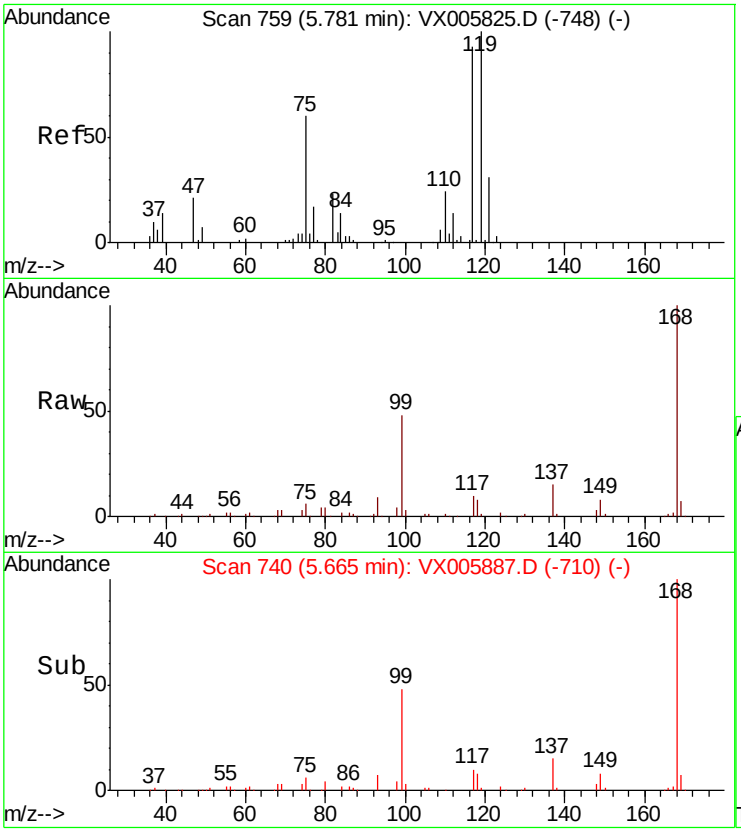




#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 75 Resp: 9012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.7 | 17.4 | 52.2# |
| 77 | 0.0 | 25.8 | 38.6# |



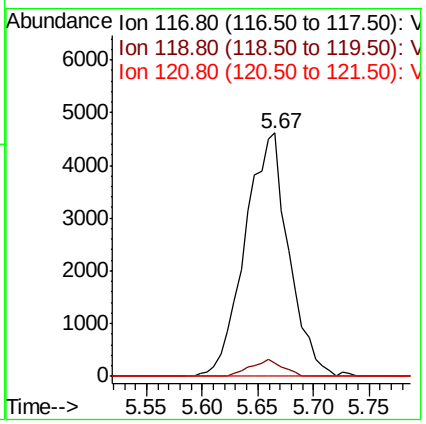


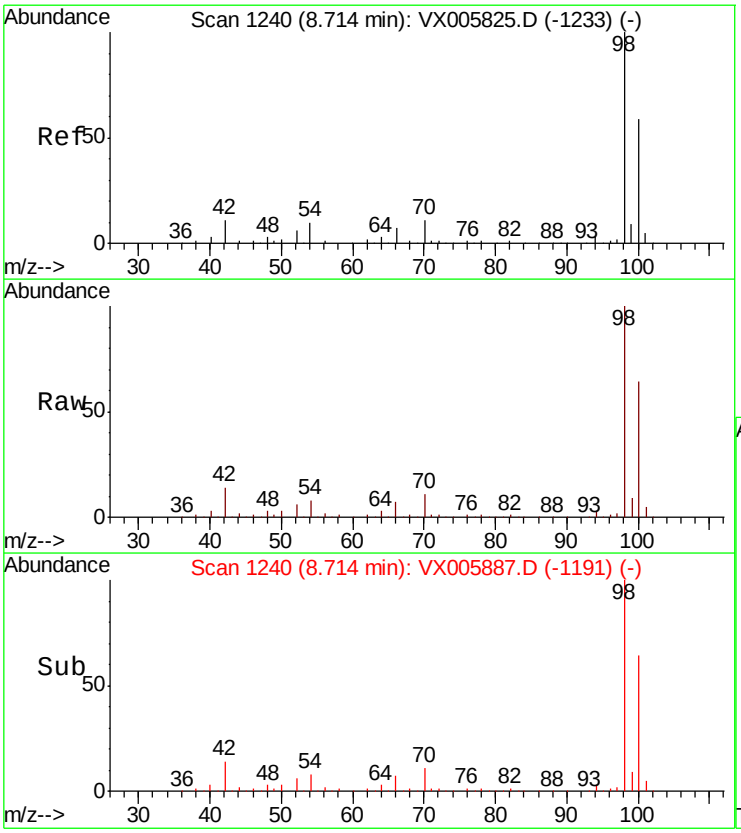

#38
Carbon Tetrachloride
Concen: 6.558 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Tgt Ion:117 Resp: 12608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 78.1 | 117.1# |
| 121 | 0.0 | 24.6 | 36.8# |

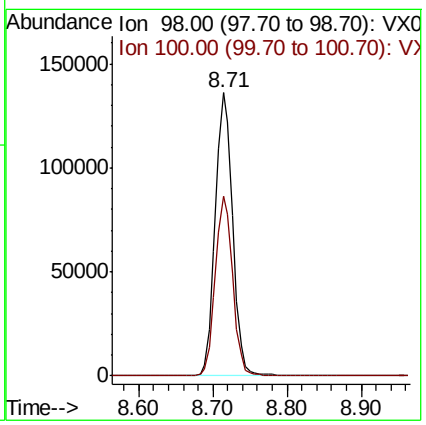


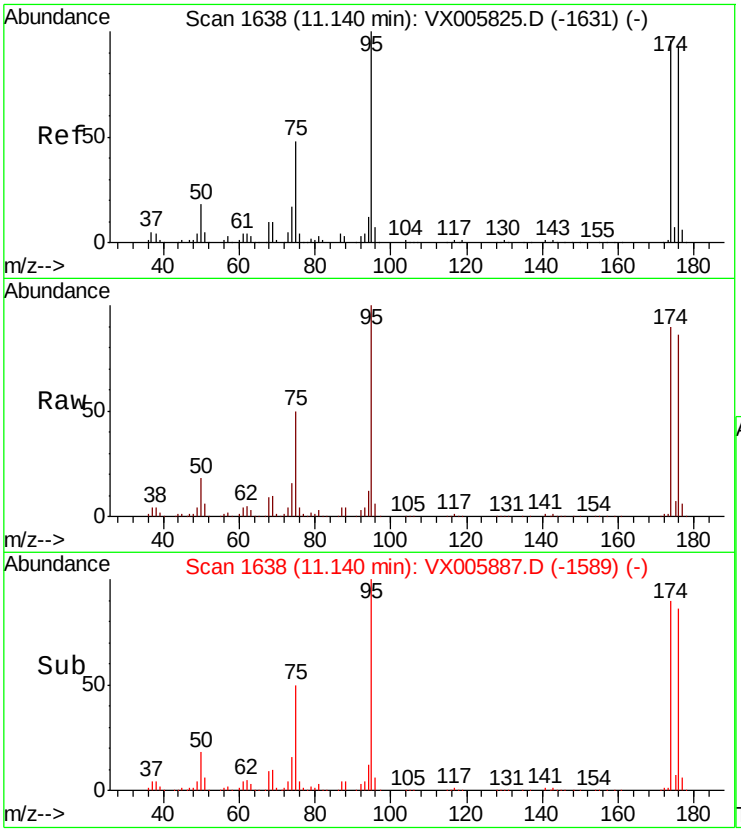




#50
Toluene-d8
Concen: 48.611 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 98 Resp: 218978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.5 | 51.3 | 76.9 |



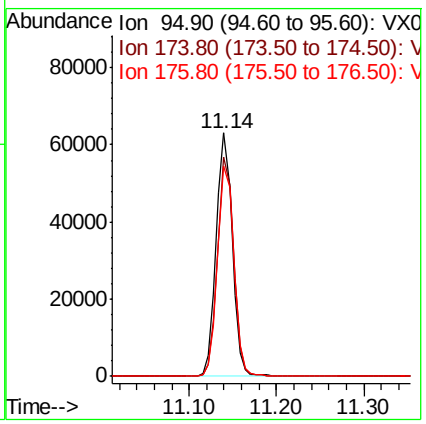


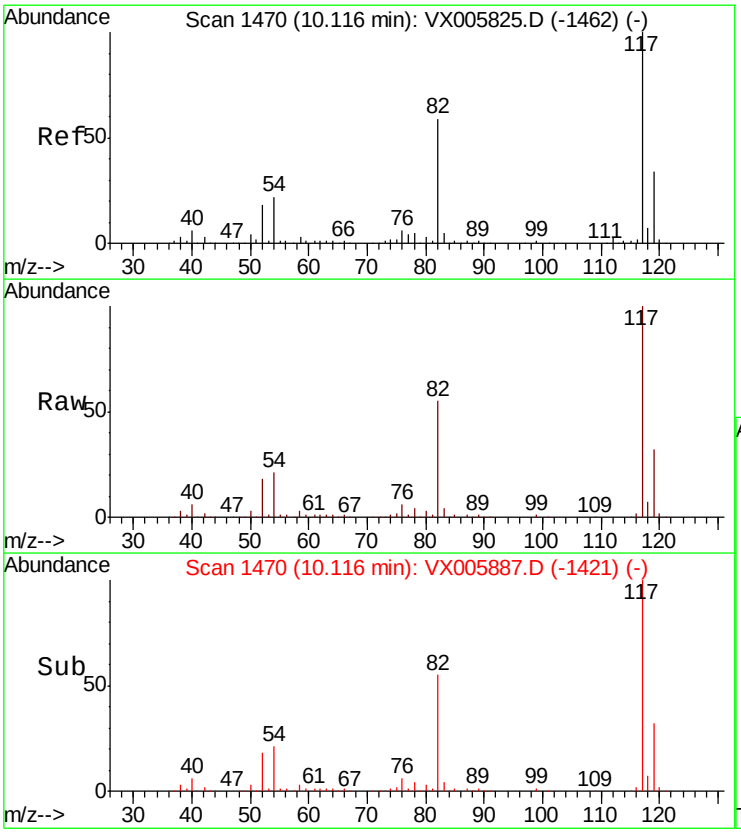

#62
4-Bromofluorobenzene
Concen: 49.469 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion: 95 Resp: 80119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.8 | 0.0 | 184.4 |
| 176 | 87.8 | 0.0 | 177.4 |

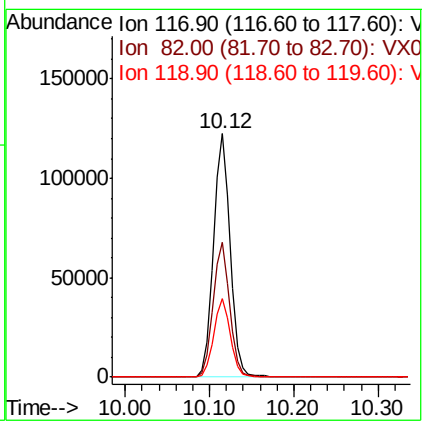


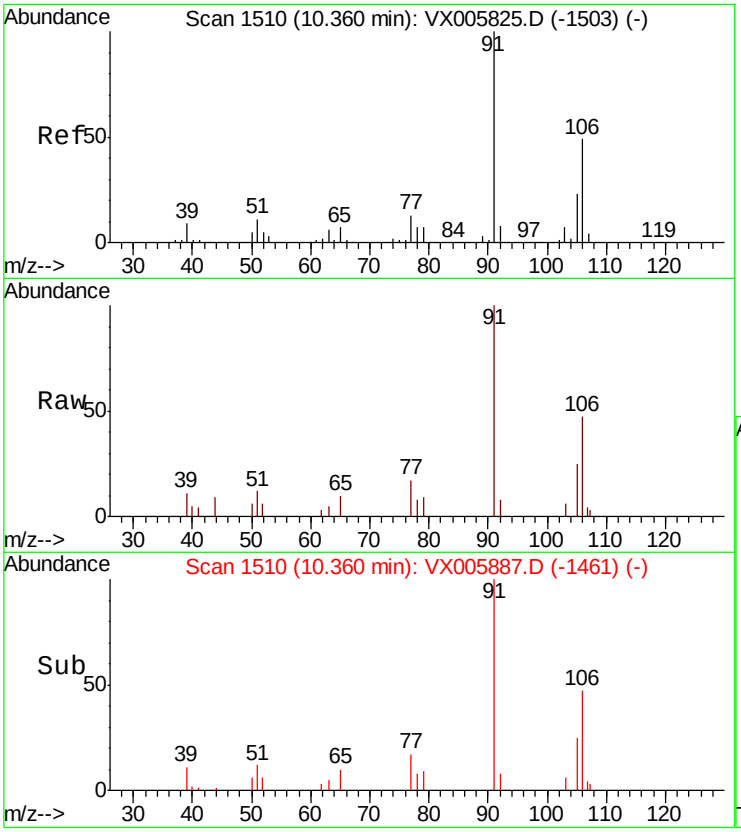




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:117 Resp: 168363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 44.1 | 66.1 |
| 119 | 32.1 | 26.2 | 39.2 |



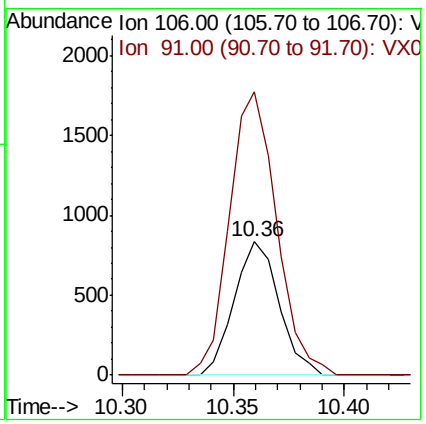


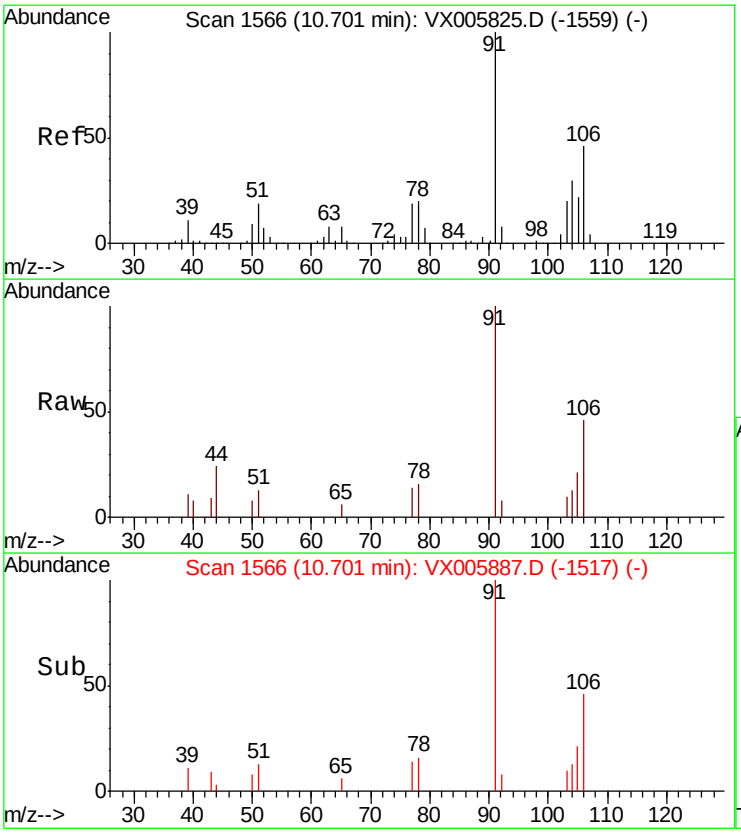

#68
m/p-Xylenes
Concen: 0.568 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion:106 Resp: 1171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.8 | 164.2 | 246.4 |

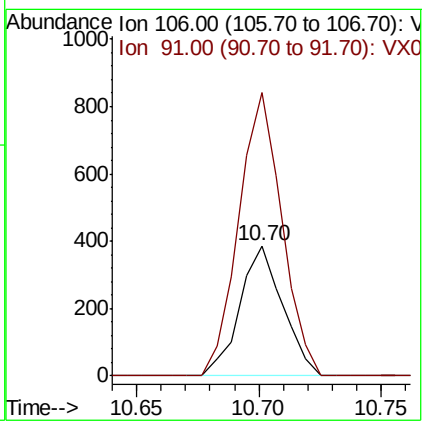


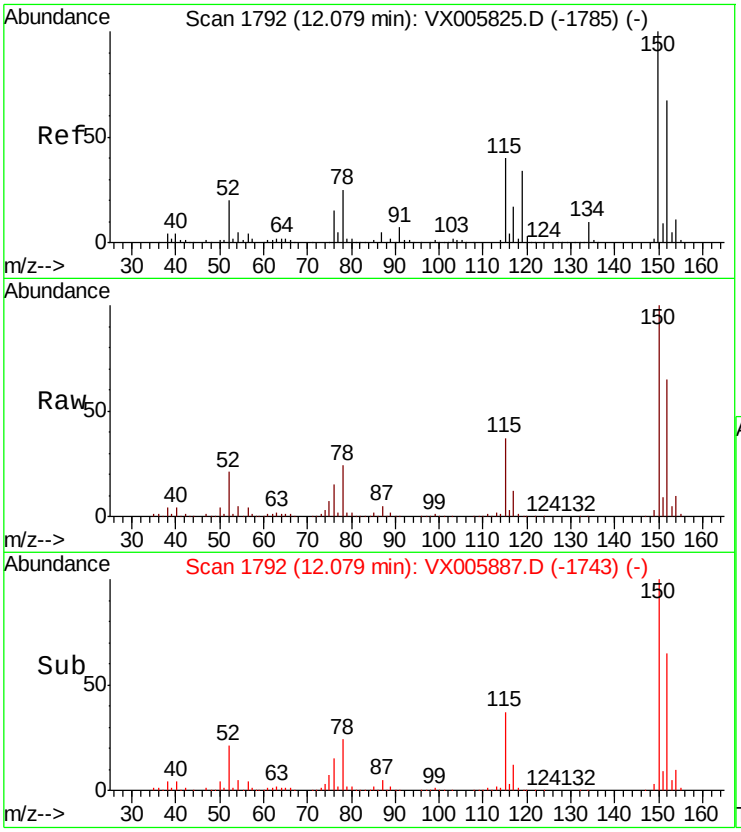




#69
o-Xylene
Concen: 0.257 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:106 Resp: 475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.9 | 108.5 | 325.5 |



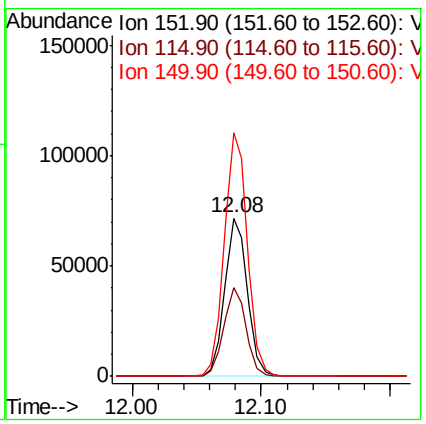


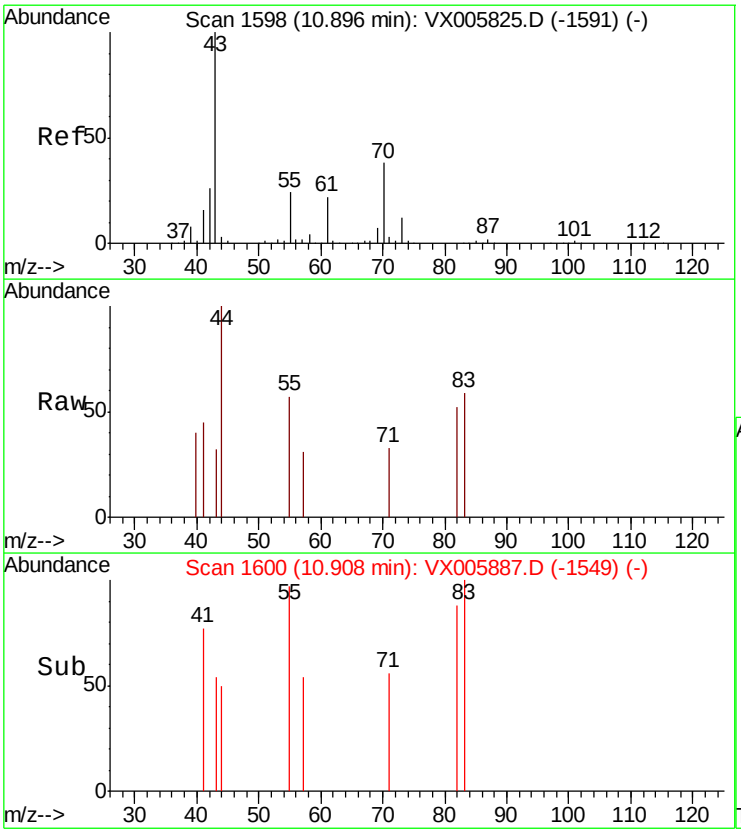

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion:152 Resp: 88974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.5 | 39.4 | 118.1 |
| 150 | 156.4 | 0.0 | 346.4 |

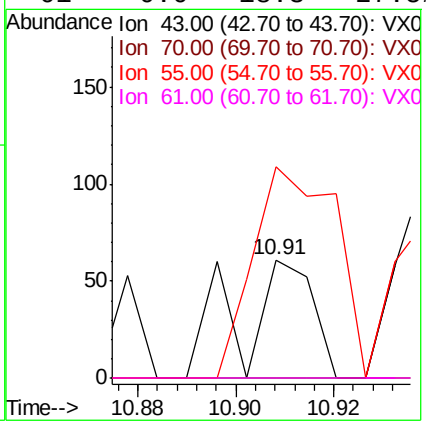


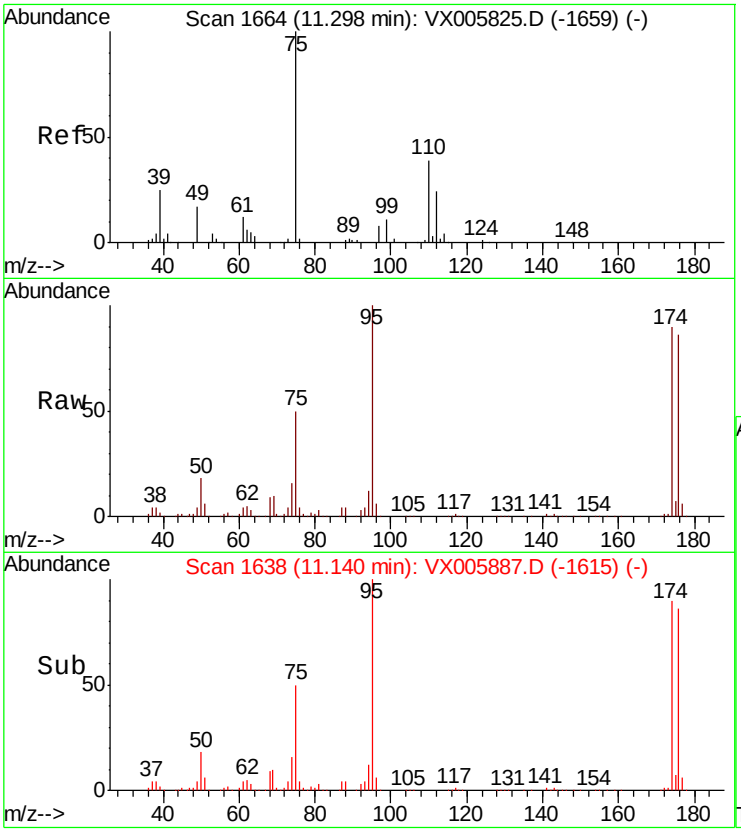




#74
N-amyl acetate
Concen: 1.272 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 43 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 31.6 | 47.4# |
| 55 | 203.2 | 19.7 | 29.5# |
| 61 | 0.0 | 18.3 | 27.5# |



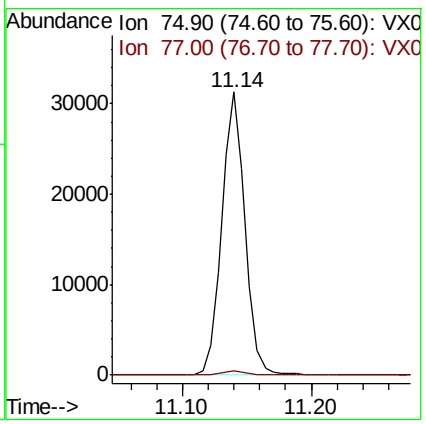


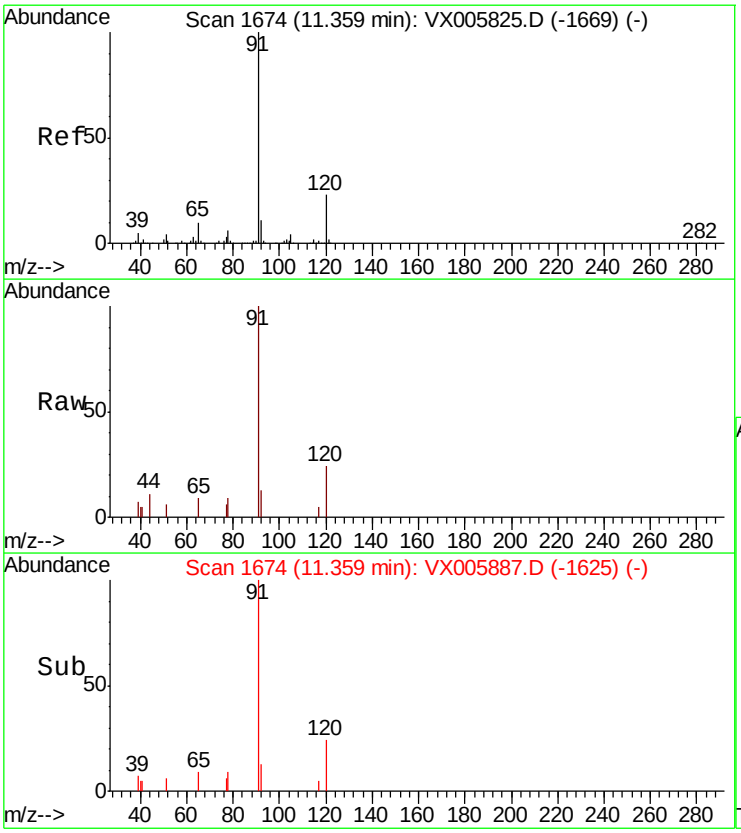

#76
1,2,3-Trichloropropane
Concen: 21.816 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion: 75 Resp: 39524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 20.5 | 61.6# |

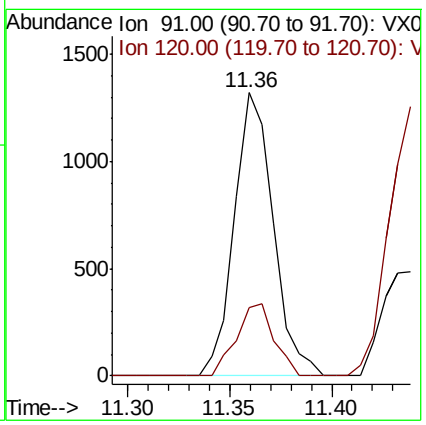


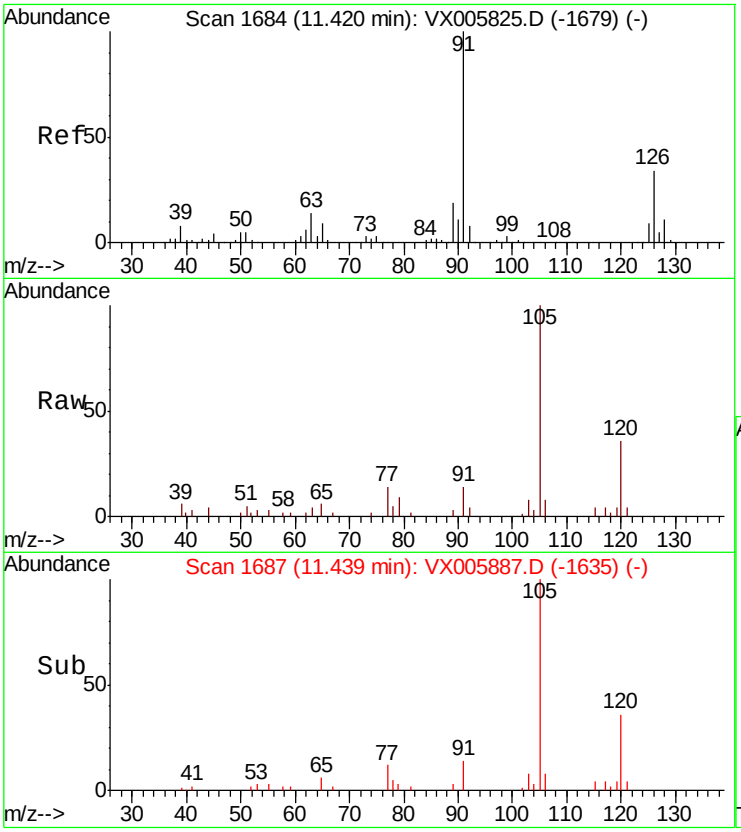




#78
n-propylbenzene
Concen: 0.289 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 91 Resp: 1752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 24.3 | 11.9 | 35.5 |



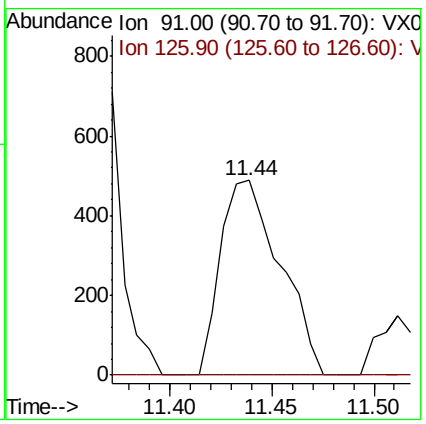


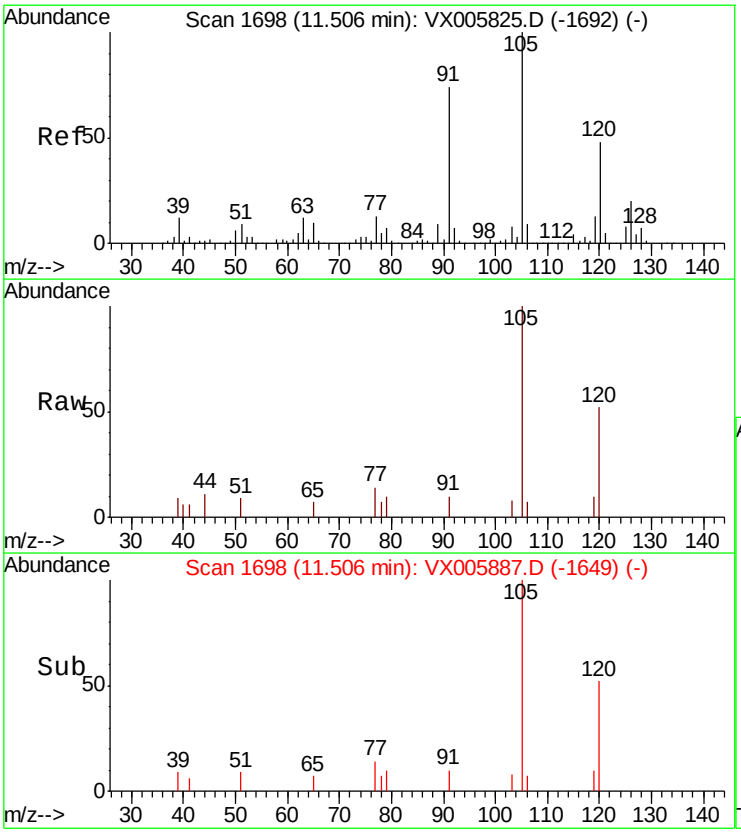

#79
2-Chlorotoluene
Concen: 0.272 ug/l
RT: 11.44 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Tgt Ion: 91 Resp: 996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 17.3 | 52.0# |

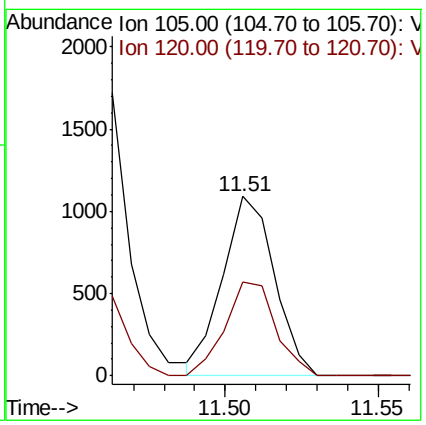


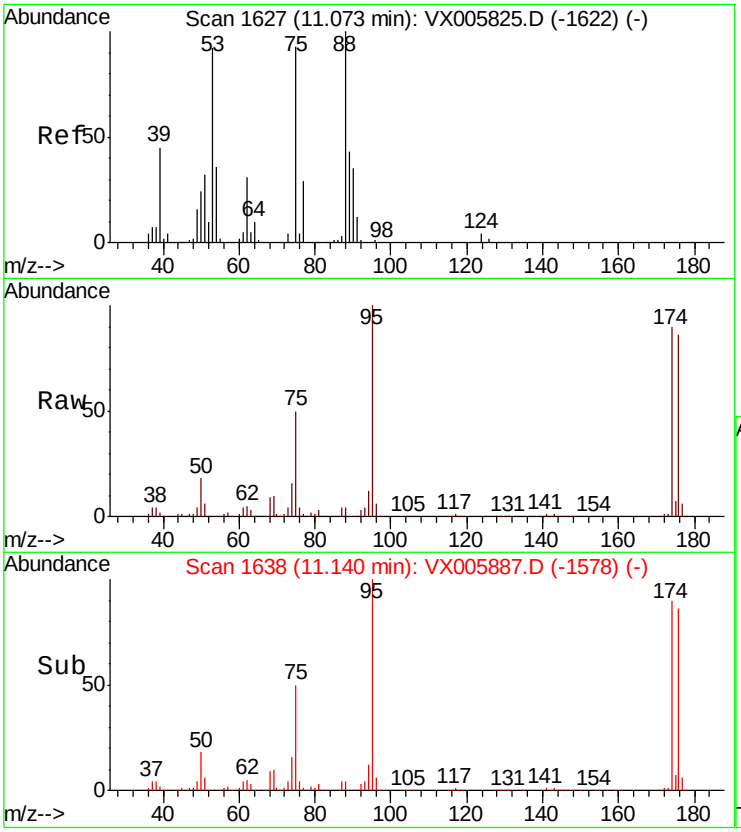




#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:105 Resp: 1279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.2 | 24.1 | 72.2 |



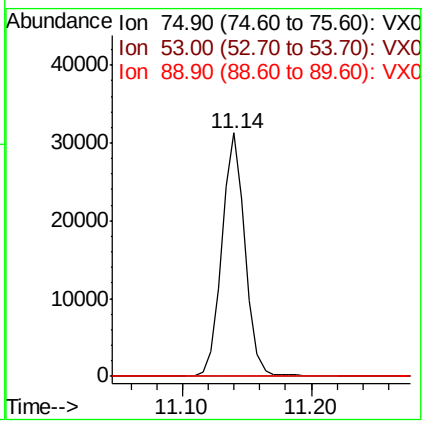


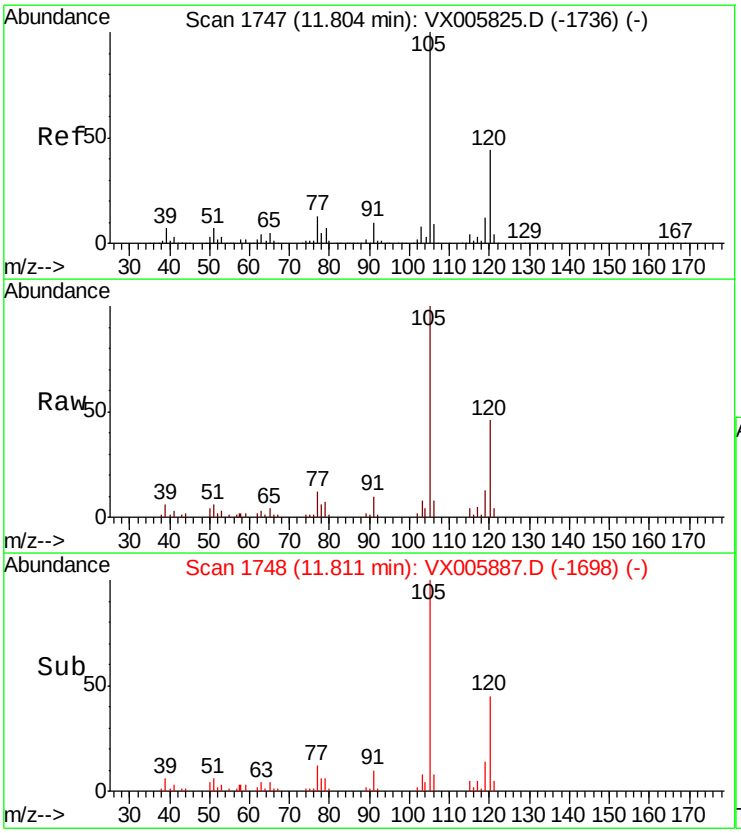

#81
trans-1,4-Dichloro-2-butene
Concen: 69.531 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion: 75 Resp: 39524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.2 | 120.2# |
| 89 | 0.0 | 39.8 | 59.8# |

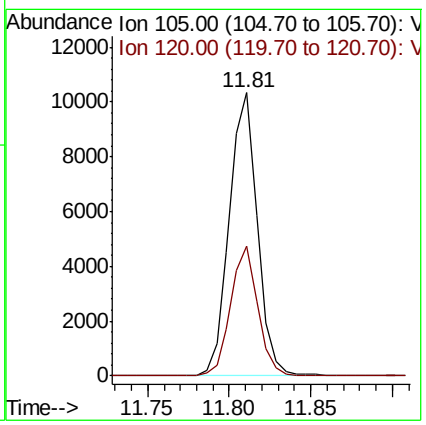


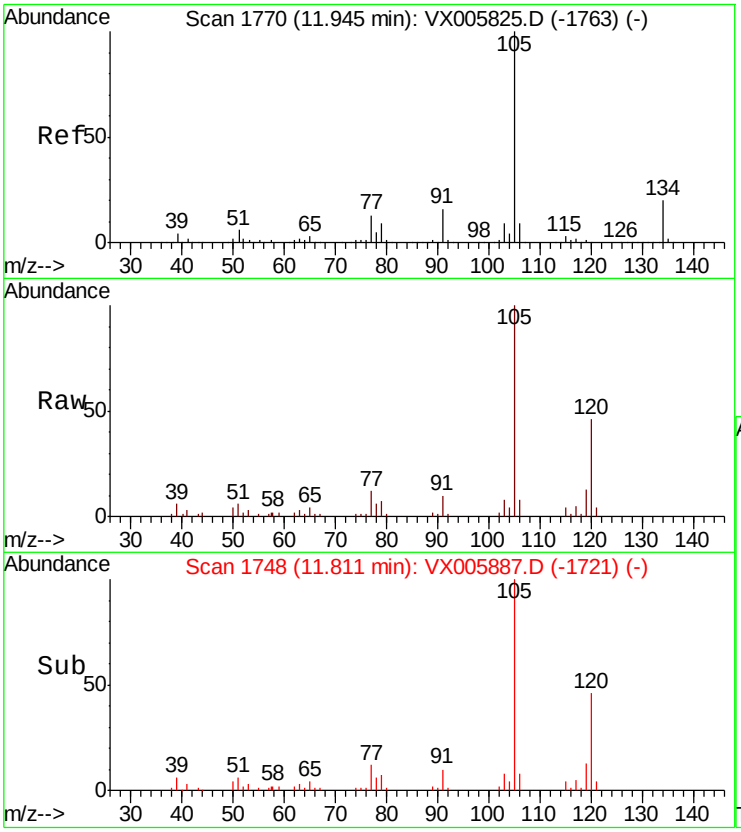




#84
1,2,4-Trimethylbenzene
Concen: 2.445 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:105 Resp: 12347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 22.4 | 67.0 |



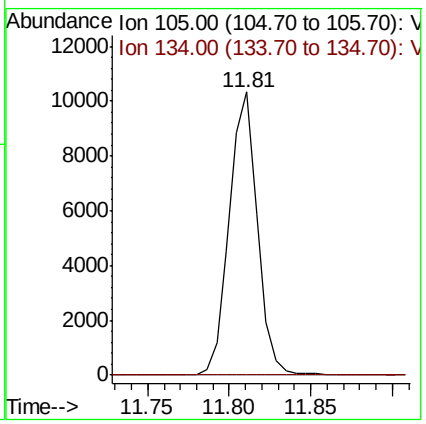


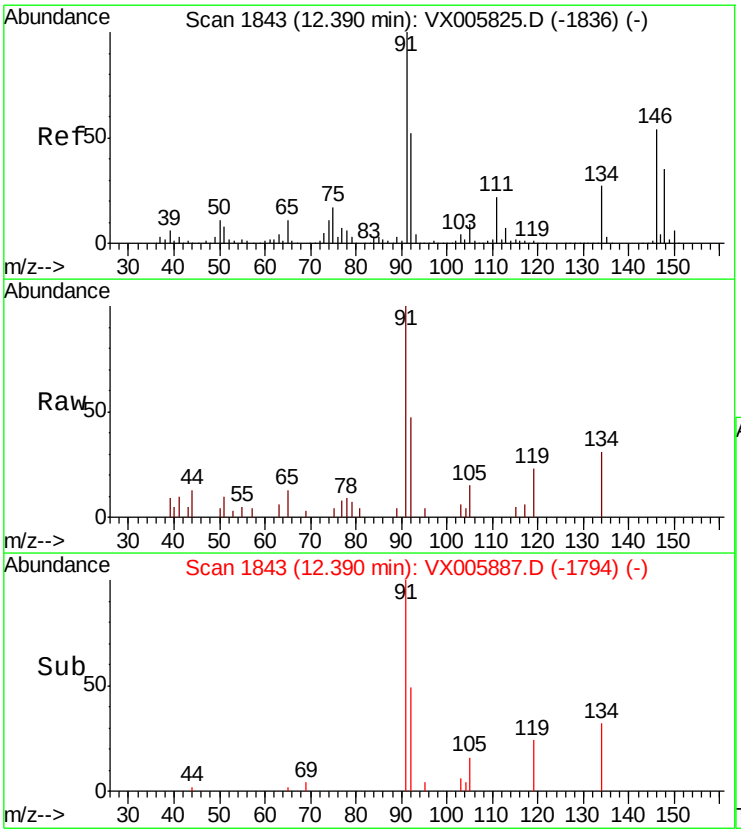

#85
sec-Butylbenzene
Concen: 2.283 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.13 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BOTTOM-D

Tgt Ion:105 Resp: 12347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 10.2 | 30.4# |

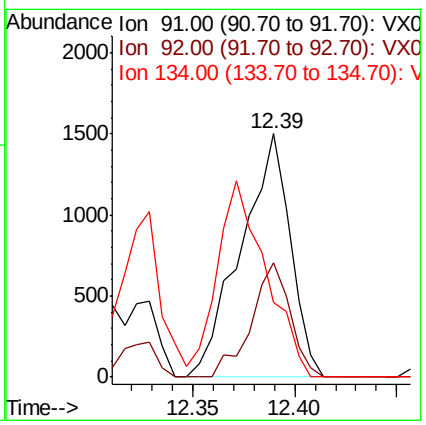


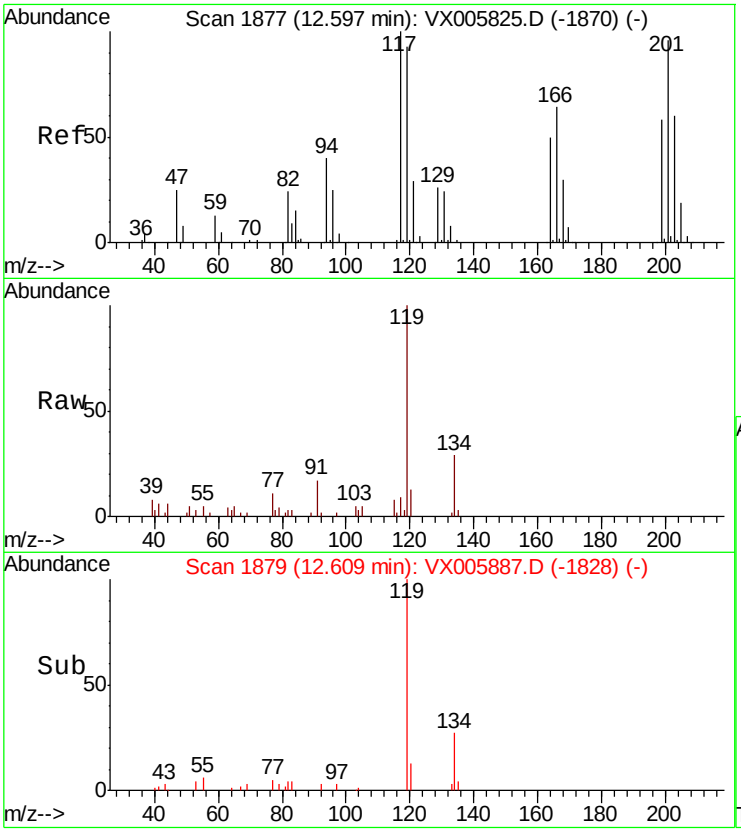




#89
n-Butylbenzene
Concen: 0.568 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion: 91 Resp: 2524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 37.0 | 26.1 | 78.2 |
| 134 | 79.0 | 13.1 | 39.3# |



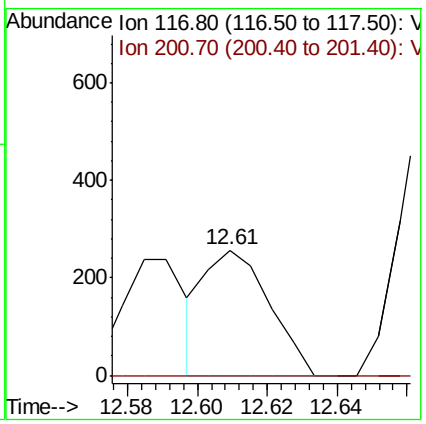


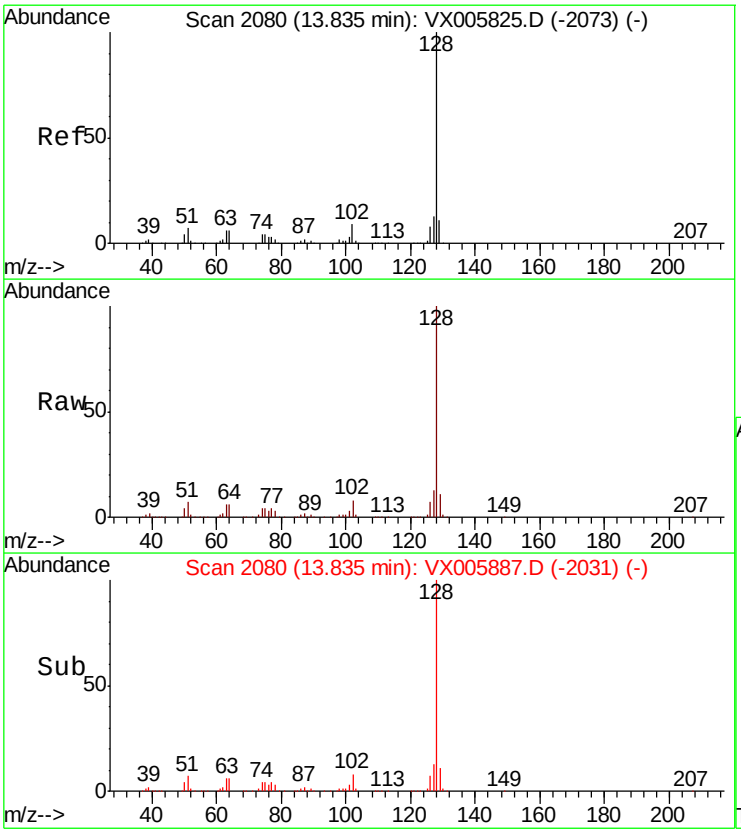

#90
Hexachloroethane
Concen: 0.413 ug/l
RT: 12.61 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

**Instrument :** MSVOA_X
**ClientSampleId :** BOTTOM-D

Tgt Ion:117 Resp: 330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 47.9 | 143.6# |




#95
Naphthalene
Concen: 23.971 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005887.D
Acq: 10 Nov 2018 03:31

Tgt Ion:128 Resp: 149426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 10.7 | 8.7 | 13.1 |