Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110518\
Data File : VX005787.D
Acq On : 05 Nov 2018 19:10
Operator : JC/MD
Sample : J5764-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :**

Quant Time: Nov 06 00:47:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 140001 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 242844 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 216312 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 94819 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 109501 | 53.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.00% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 79715 | 47.41 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.82% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 302157 | 51.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.48% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 95223 | 43.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 87.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.71 | 64 | 64 | Below Cal | # | 42 |
| 11) Tert butyl alcohol | 3.03 | 59 | 721 | 1.297 | ug/l # | 72 |
| 13) Acrolein | 2.25 | 56 | 40 | 12.279 | ug/l # | 77 |
| 16) Acetone | 2.44 | 43 | 6365 | Below Cal | | 100 |
| 18) Methyl Acetate | 2.78 | 43 | 5791 | 1.971 | ug/l | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 106169 | 60.150 | ug/l | 90 |
| 25) 2-Butanone | 4.70 | 43 | 1310 | 0.759 | ug/l # | 81 |
| 29) Tetrahydrofuran | 5.17 | 42 | 603 | 0.572 | ug/l # | 61 |
| 30) Chloroform | 5.22 | 83 | 978 | 0.306 | ug/l | 86 |
| 31) Cyclohexane | 5.67 | 56 | 3331 | 1.218 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 12402 | 4.793 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 14715 | 6.295 | ug/l # | 15 |
| 43) Isopropyl Acetate | 6.46 | 43 | 97868 | 20.428 | ug/l | 98 |
| 48) Methyl methacrylate | 7.68 | 41 | 3933 | 1.696 | ug/l # | 27 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 2261 | 0.692 | ug/l # | 38 |
| 52) Toluene | 8.79 | 92 | 4304 | 1.034 | ug/l | 99 |
| 56) Ethyl methacrylate | 9.04 | 69 | 40 | 2.483 | ug/l # | 22 |
| 59) 2-Hexanone | 9.54 | 43 | 5023 | 1.889 | ug/l | 65 |
| 67) Ethyl Benzene | 10.25 | 91 | 1667 | 0.212 | ug/l | 97 |
| 68) m/p-Xylenes | 10.35 | 106 | 1672 | 0.574 | ug/l | 95 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 49774 | 21.077 | ug/l # | 36 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 1482 | 0.279 | ug/l | 93 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 49774 | 68.097 | ug/l # | 9 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 3575 | 0.667 | ug/l | 95 |
| 95) Naphthalene | 13.83 | 128 | 2043 | 0.309 | ug/l # | 92 |

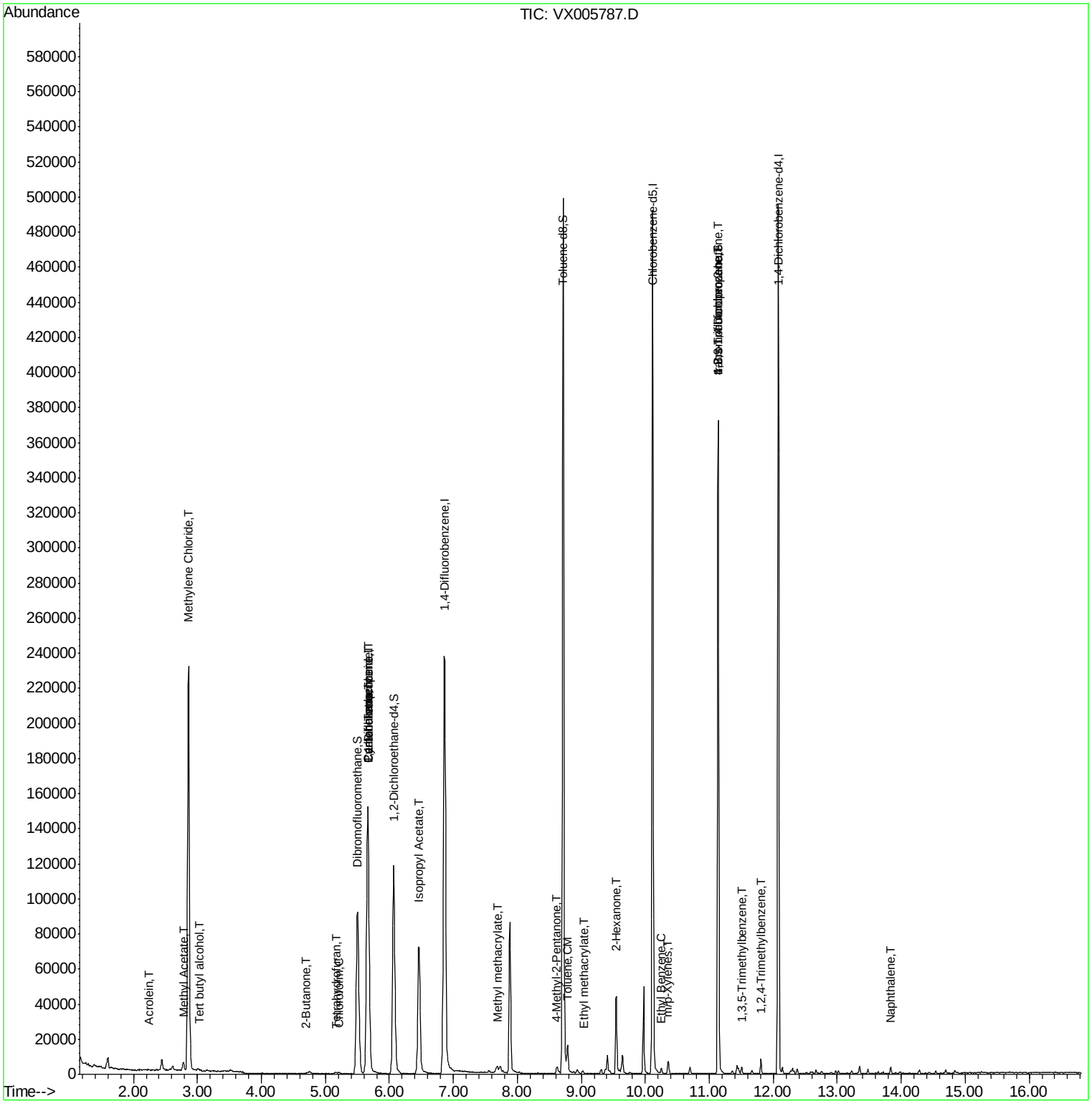
(#) = qualifier out of range (m) = manual integration (+) = signals summed

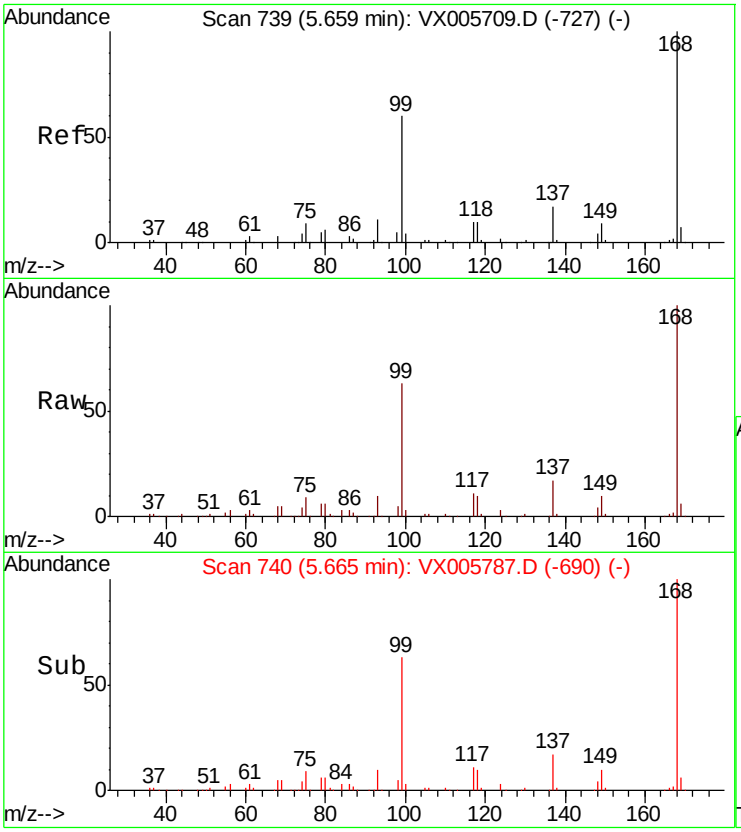
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110518\
Data File : VX005787.D
Acq On : 05 Nov 2018 19:10
Operator : JC/MD
Sample : J5764-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**

Quant Time: Nov 06 00:47:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration



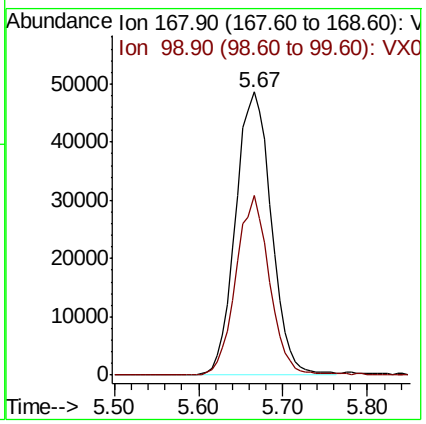


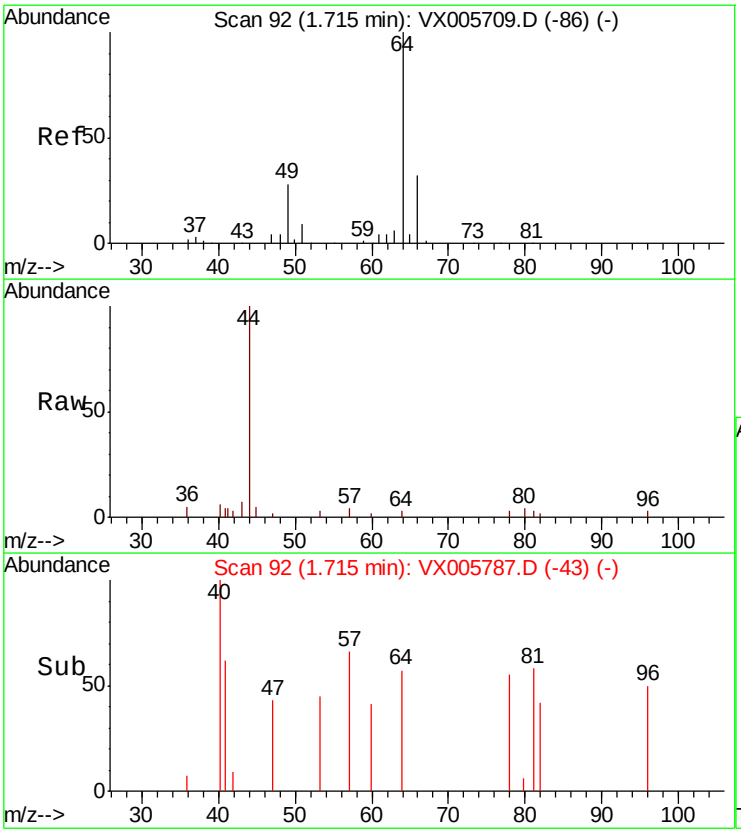

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:168 Resp: 140001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 40.7 | 61.1# |

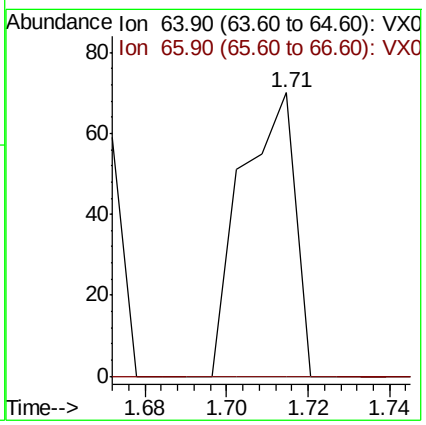


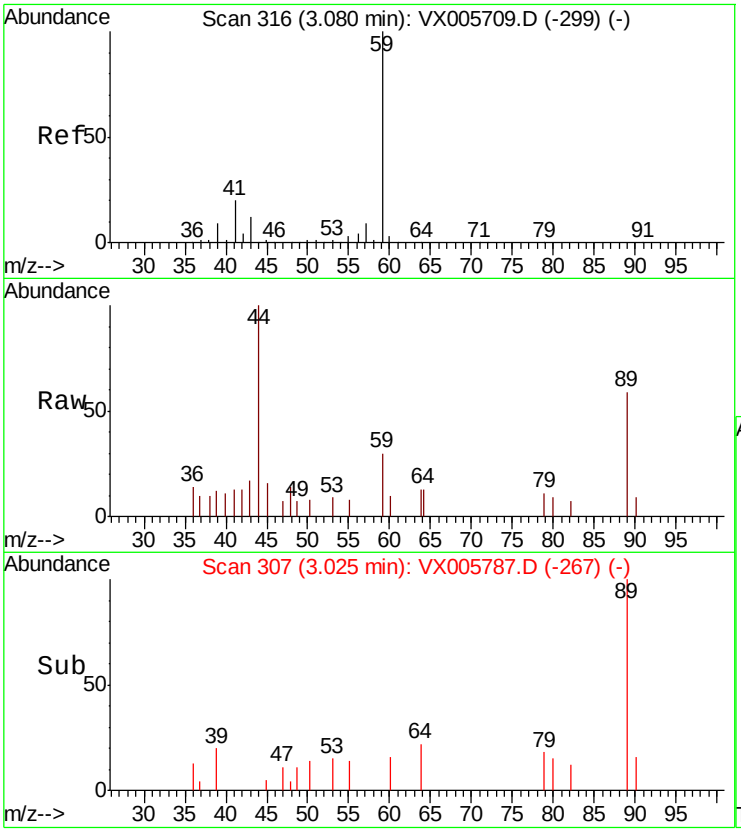




#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 92
Delta R.T. 0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 64 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.8 | 38.6# |



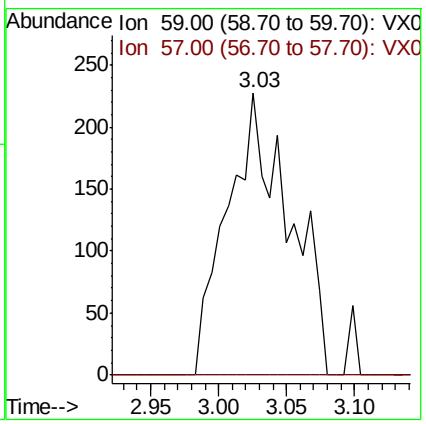


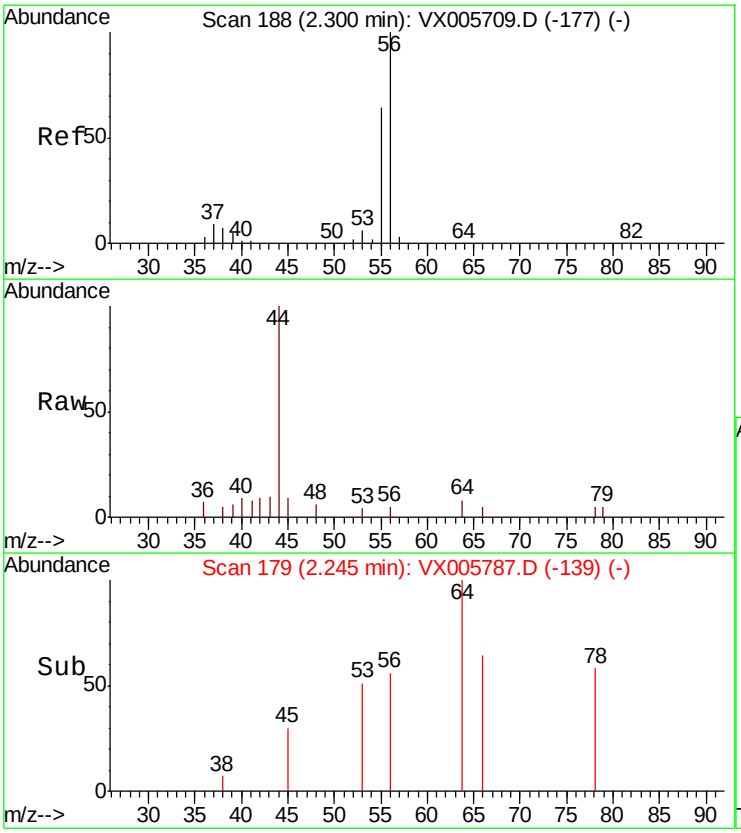

#11
Tert butyl alcohol
Concen: 1.297 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :** MSVOA_X
**ClientSampleId :**

Tgt Ion: 59 Resp: 721

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

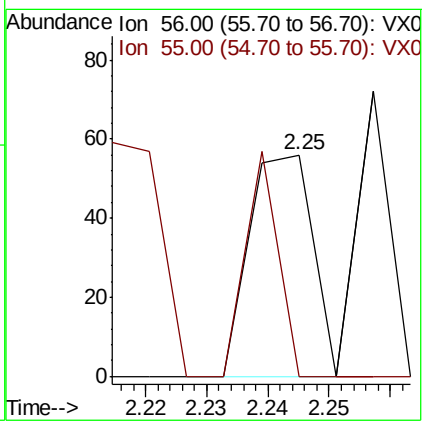


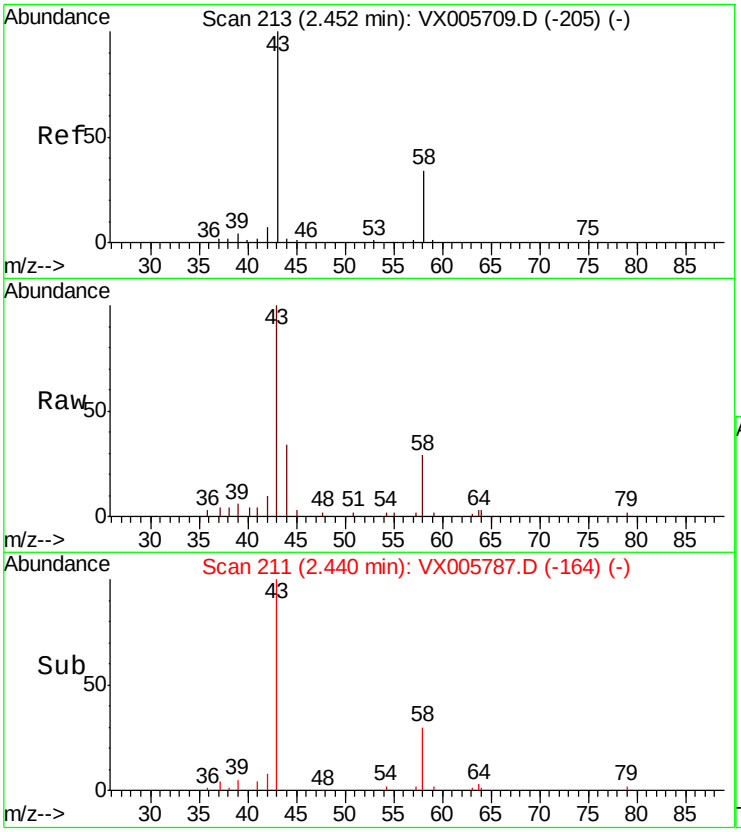




#13
Acrolein
Concen: 12.279 ug/l
RT: 2.25 min Scan# 179
Delta R.T. -0.05 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 56 Resp: 40

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 52.5 | 57.3 | 85.9# |



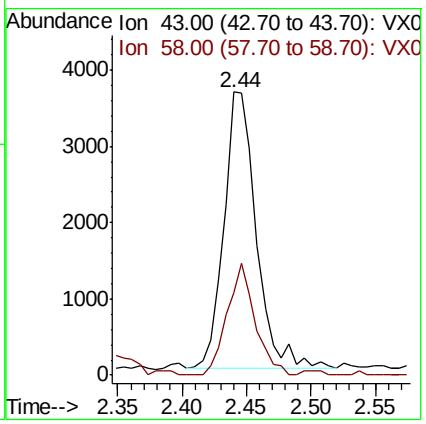


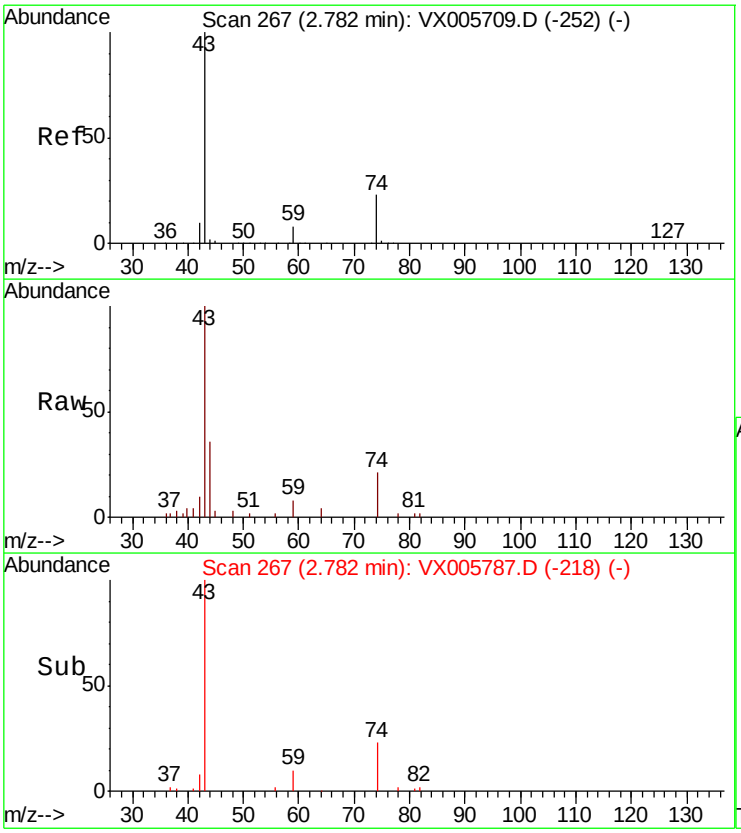

#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 6365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.8 | 35.6 |

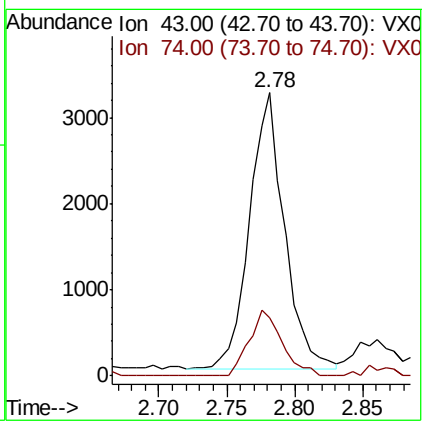


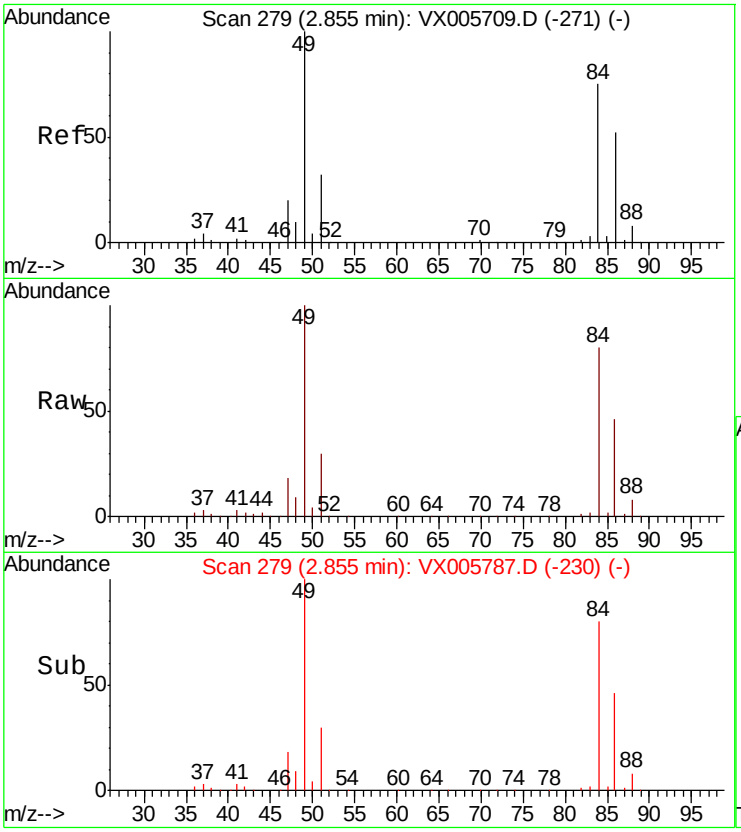




#18
Methyl Acetate
Concen: 1.971 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 43 Resp: 5791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 16.8 | 25.2 |



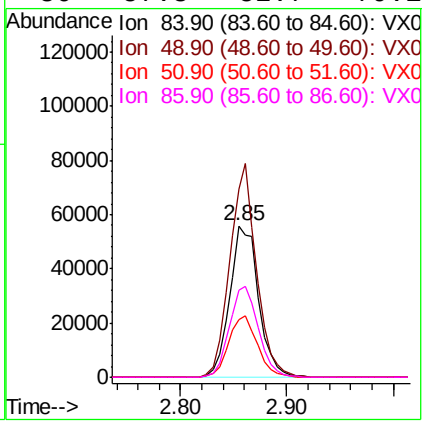


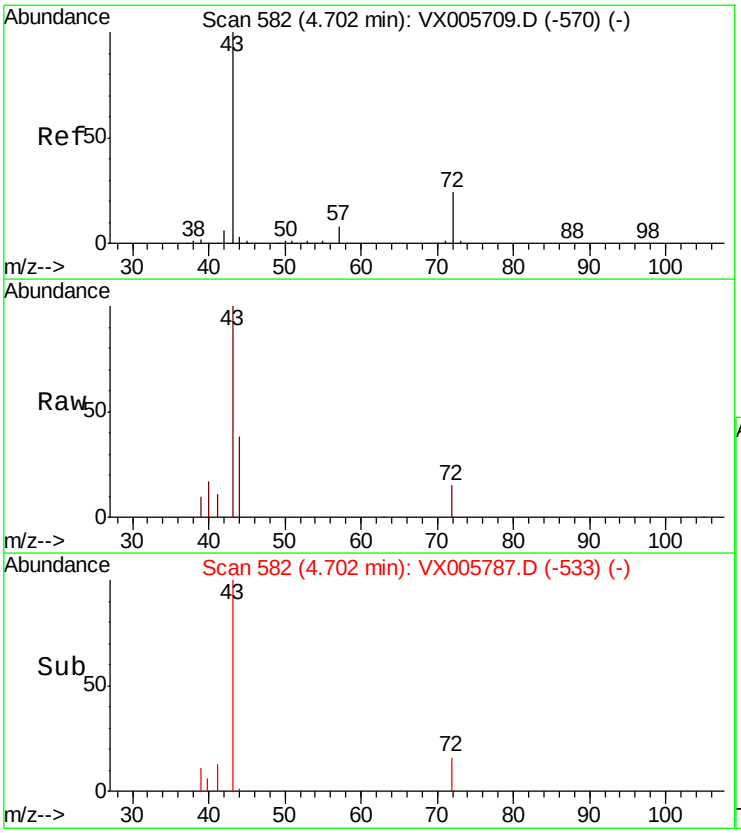

#20
Methylene Chloride
Concen: 60.150 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 84 Resp: 106169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.3 | 109.5 | 164.3 |
| 51 | 37.6 | 33.3 | 49.9 |
| 86 | 57.3 | 52.7 | 79.1 |

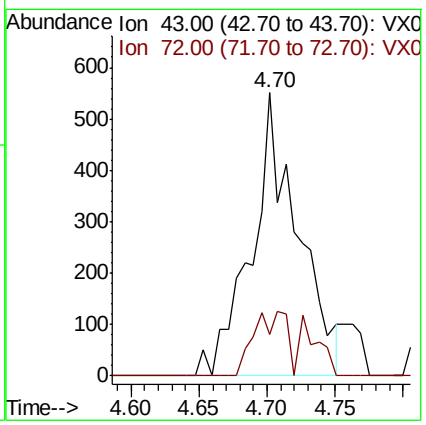


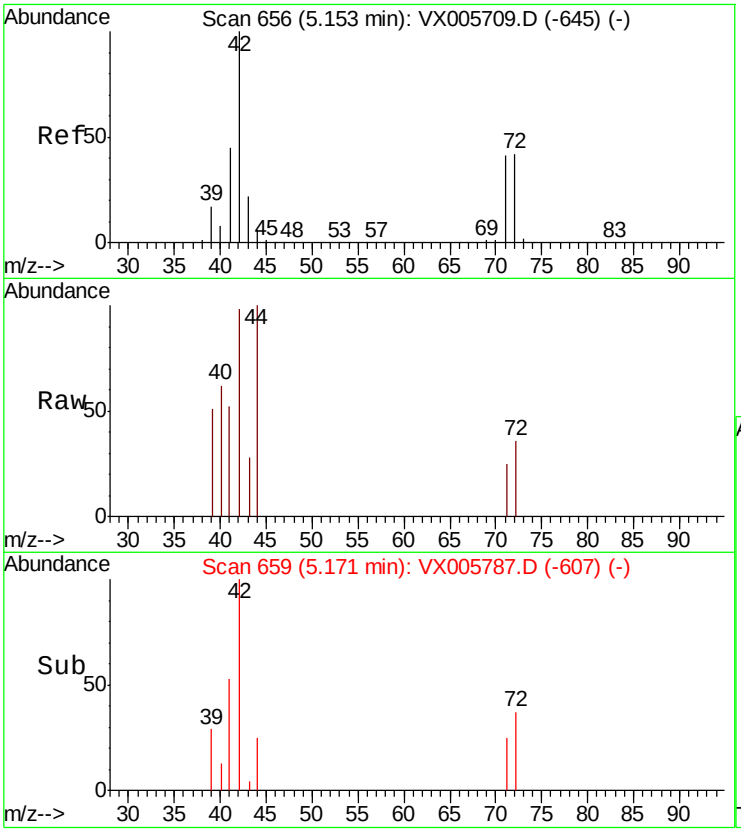




#25
2-Butanone
Concen: 0.759 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 43 Resp: 1310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 14.5 | 19.2 | 28.8# |



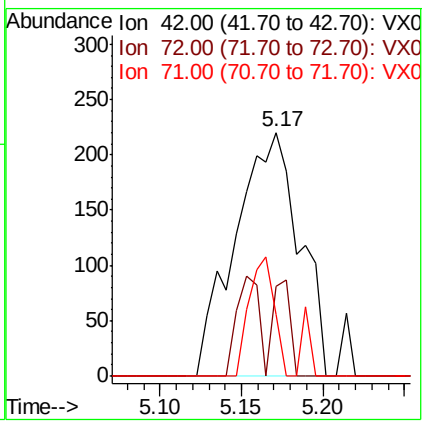


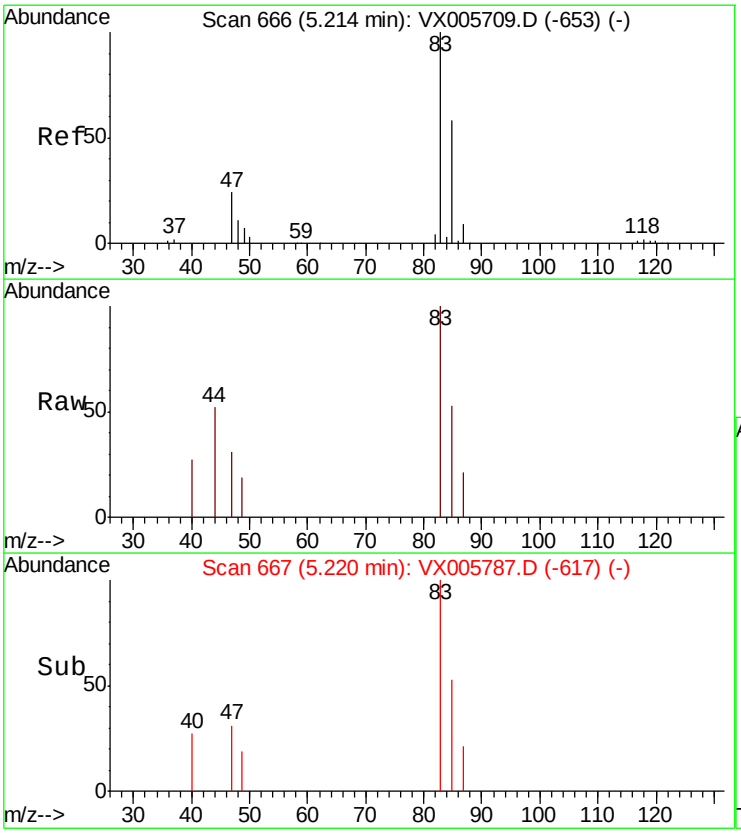

#29
Tetrahydrofuran
Concen: 0.572 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 42 Resp: 603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 10.1 | 32.0 | 48.0# |
| 71 | 19.4 | 29.8 | 44.8# |

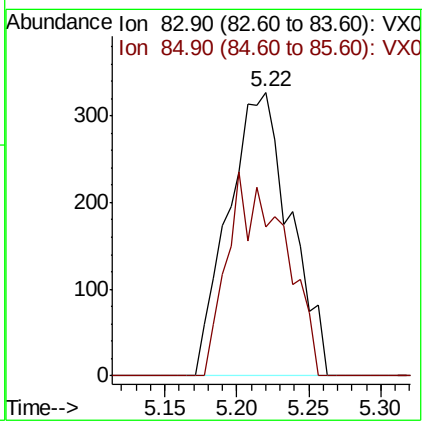


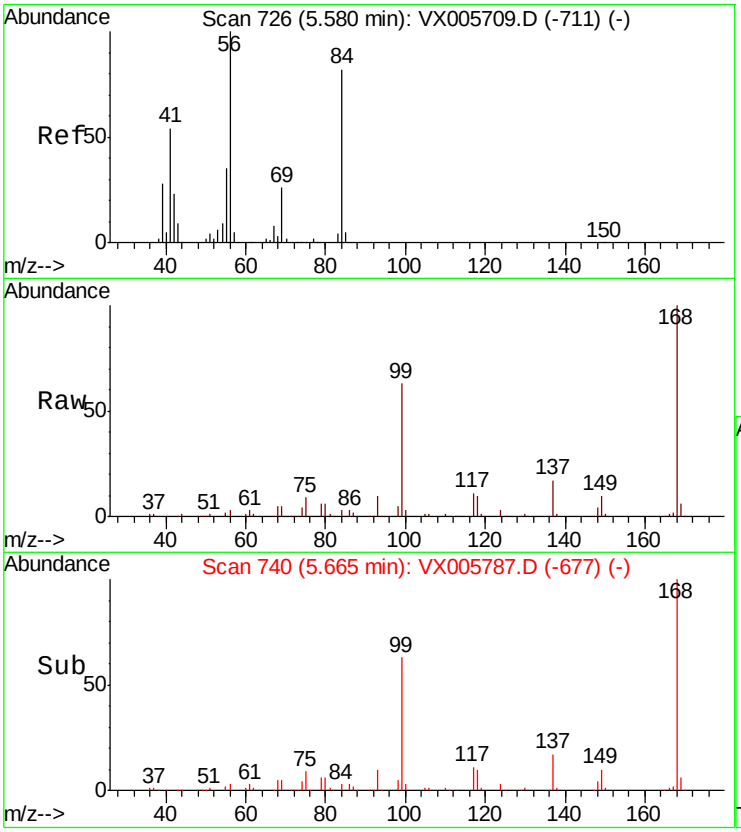




#30
Chloroform
Concen: 0.306 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 83 Resp: 978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 52.6 | 50.6 | 76.0 |



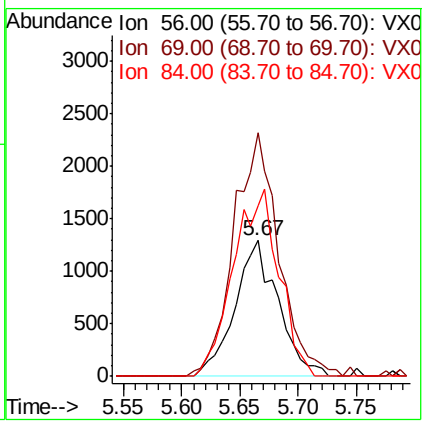


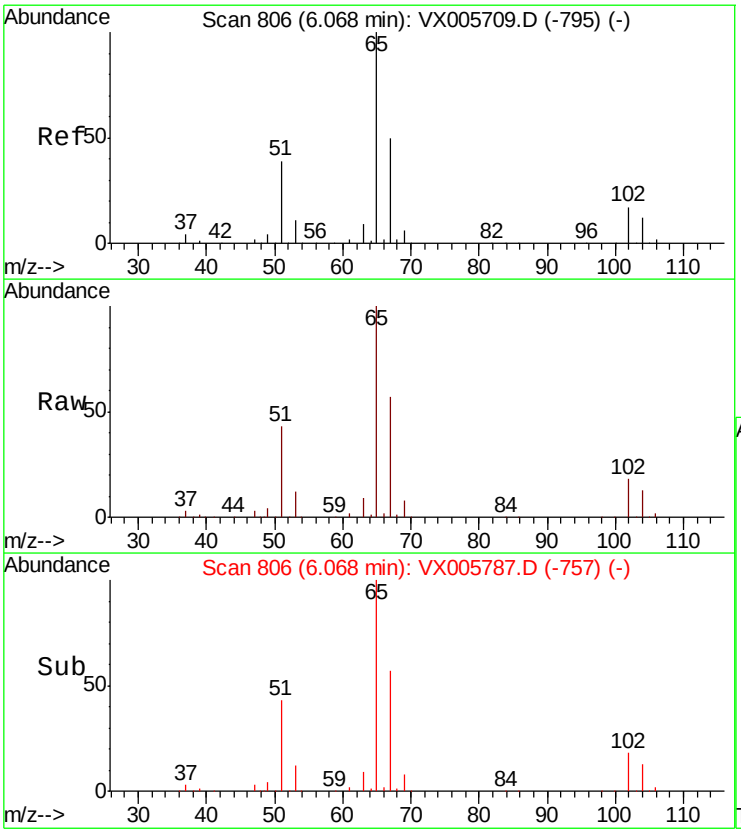

#31
Cyclohexane
Concen: 1.218 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 56 Resp: 3331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 179.1 | 22.6 | 34.0# |
| 84 | 125.4 | 62.7 | 94.1# |

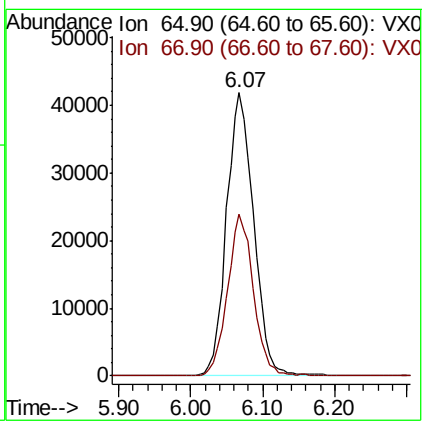


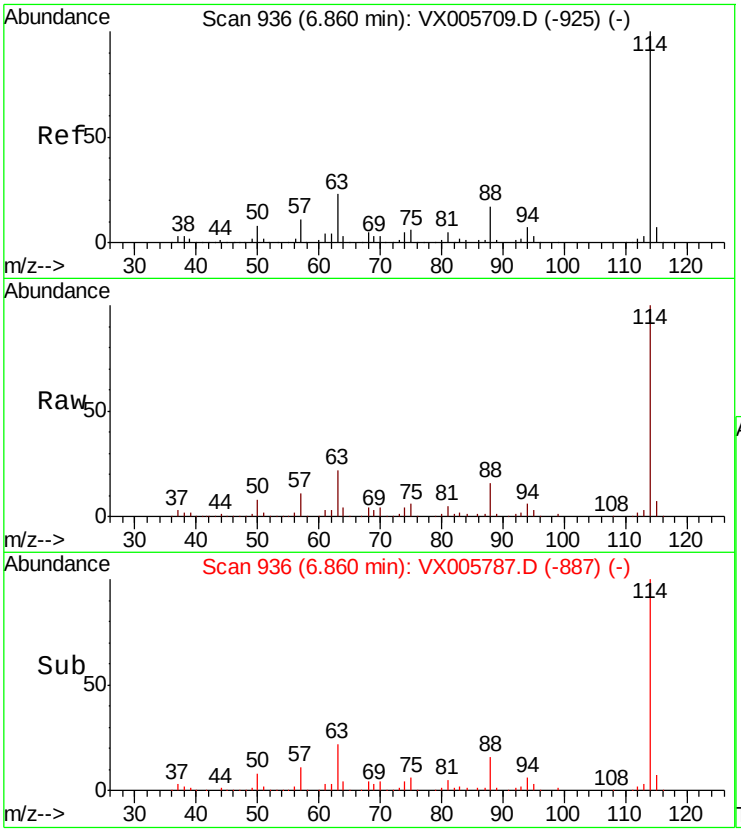




#33
1,2-Dichloroethane-d4
Concen: 53.497 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 65 Resp: 109501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.6 | 0.0 | 105.0 |



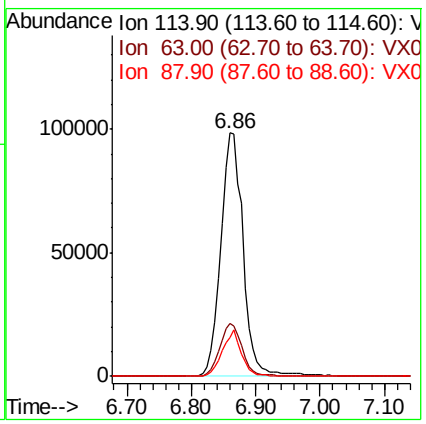


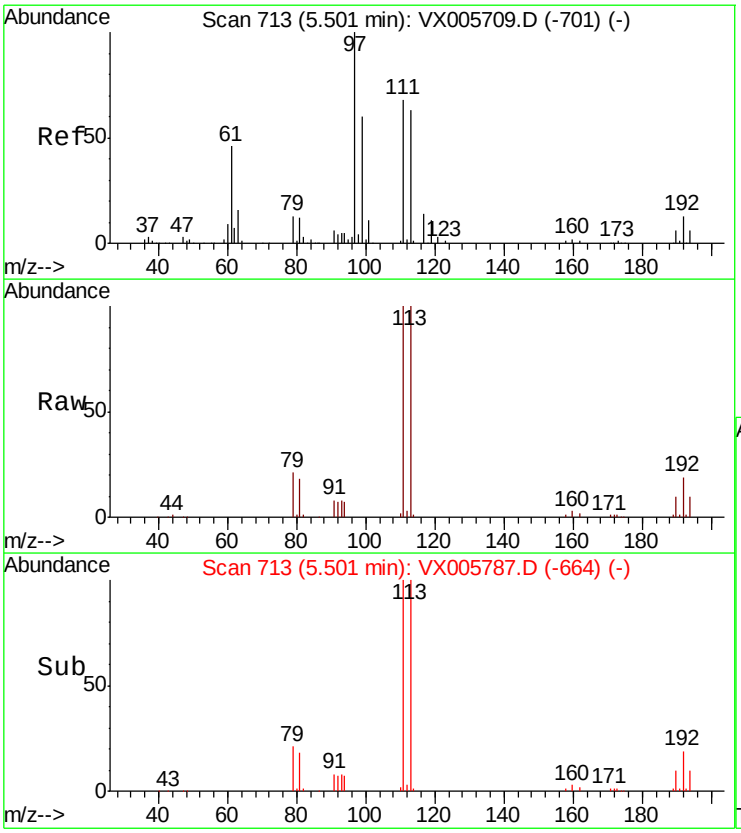

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:114 Resp: 242844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 42.8 |
| 88 | 15.8 | 0.0 | 31.2 |

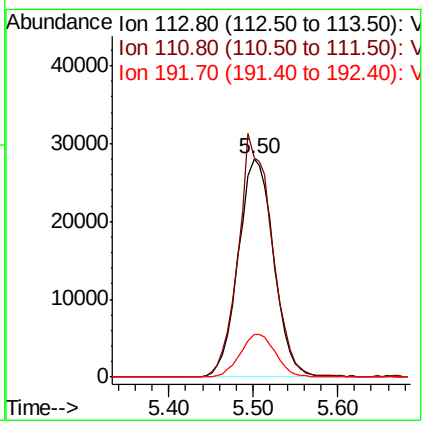


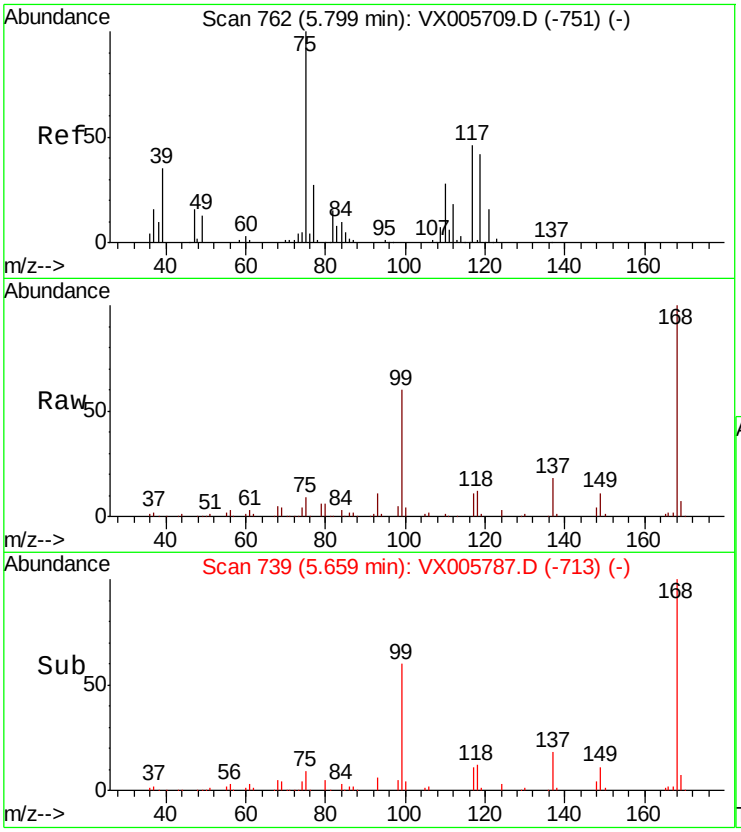




#35
Dibromofluoromethane
Concen: 47.408 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion:113 Resp: 79715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.4 | 82.3 | 123.5 |
| 192 | 19.8 | 17.9 | 26.9 |



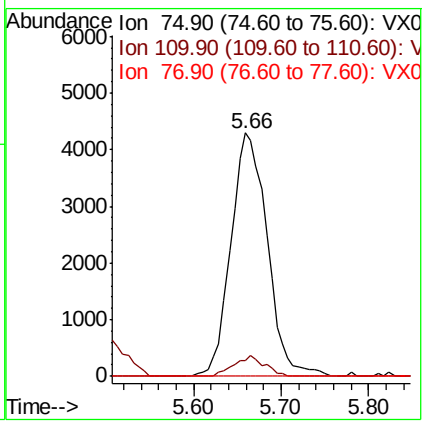


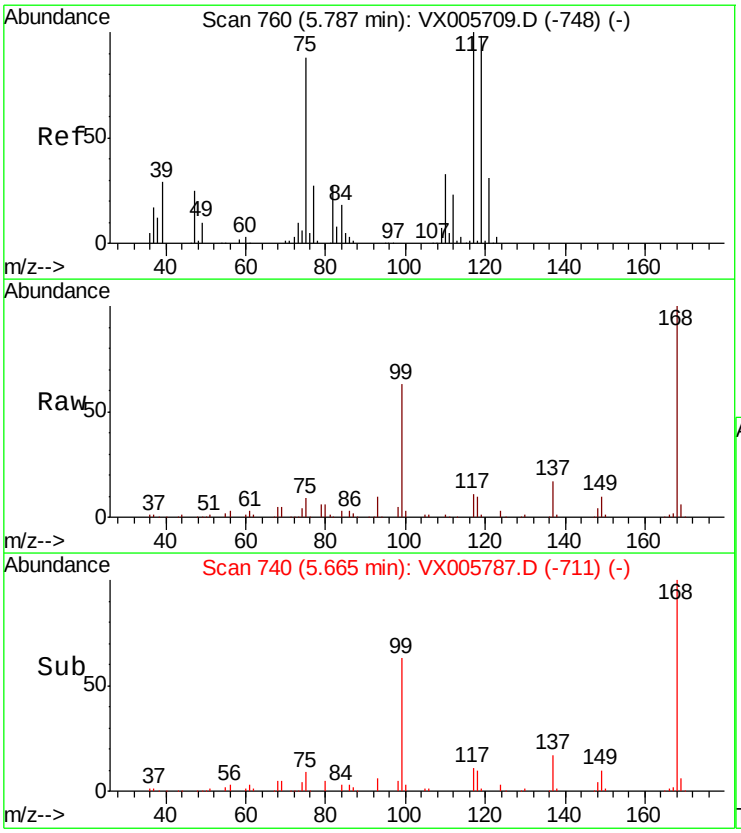

#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 12402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.2 | 17.4 | 52.2# |
| 77 | 0.0 | 25.8 | 38.6# |

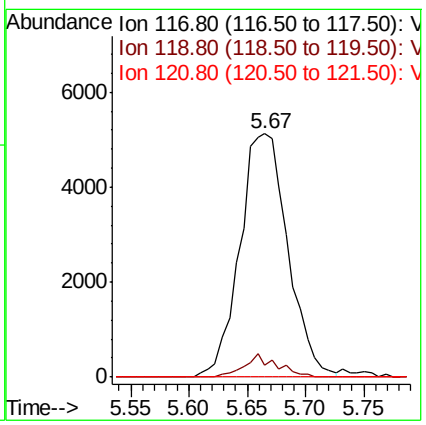


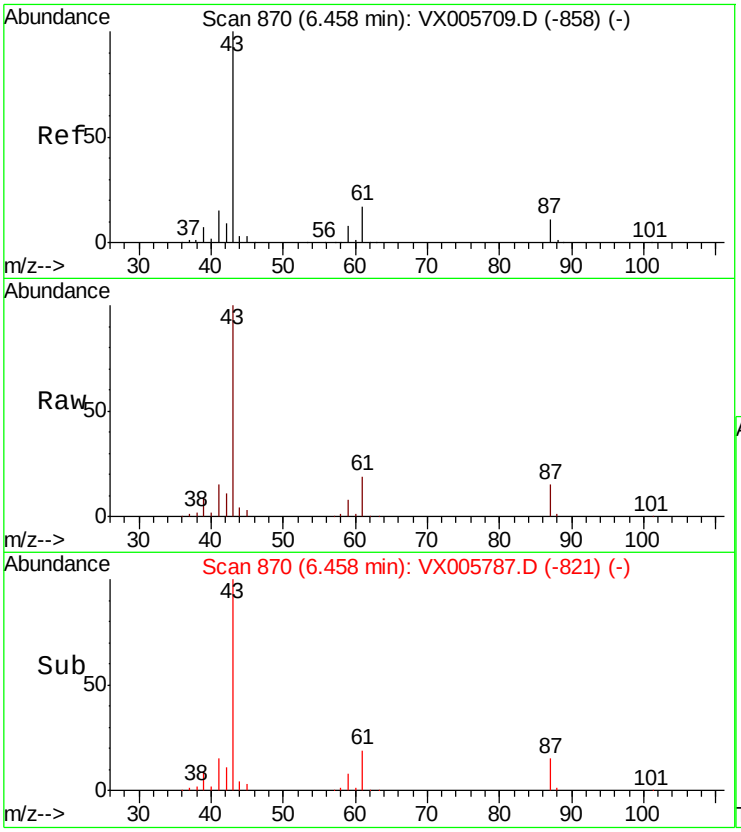




#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion:117 Resp: 14715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 78.1 | 117.1# |
| 121 | 0.0 | 24.6 | 36.8# |



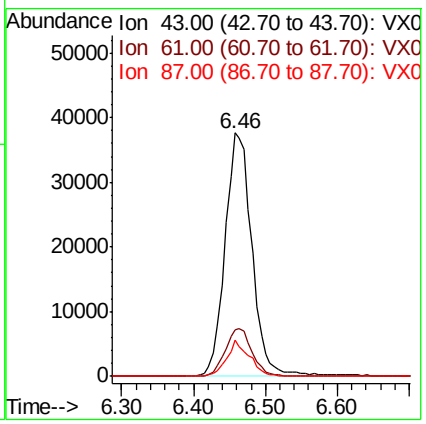


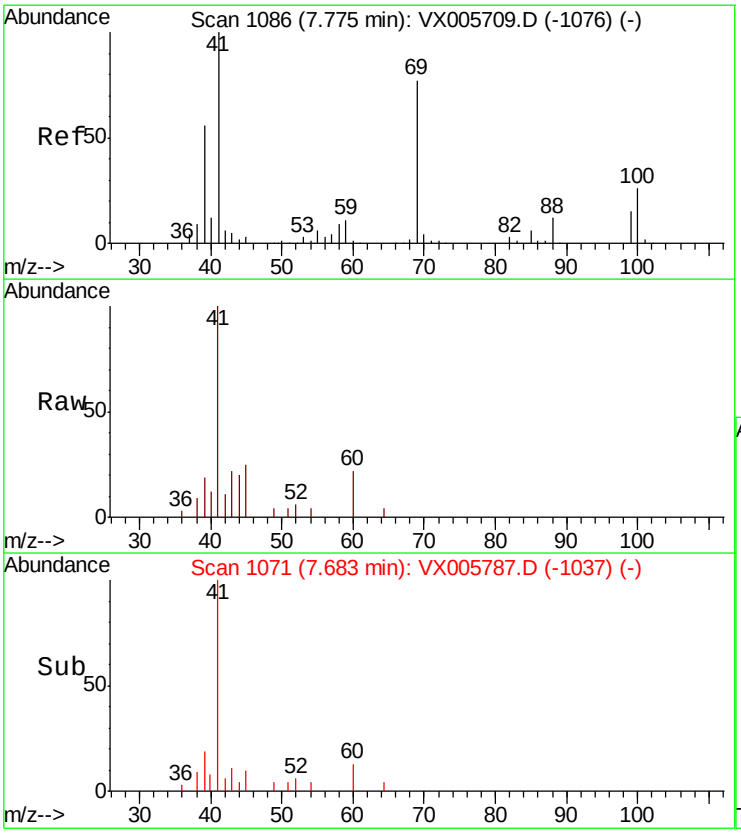

#43
Isopropyl Acetate
Concen: 20.428 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 97868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 14.6 | 22.0 |
| 87 | 12.5 | 9.6 | 14.4 |

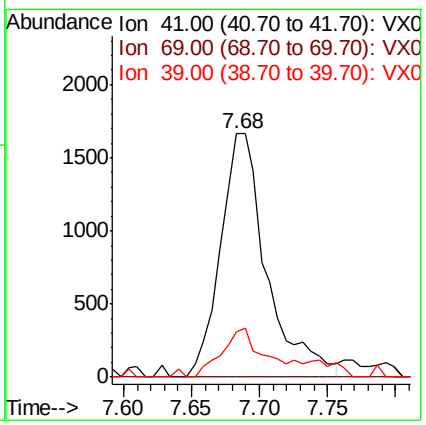


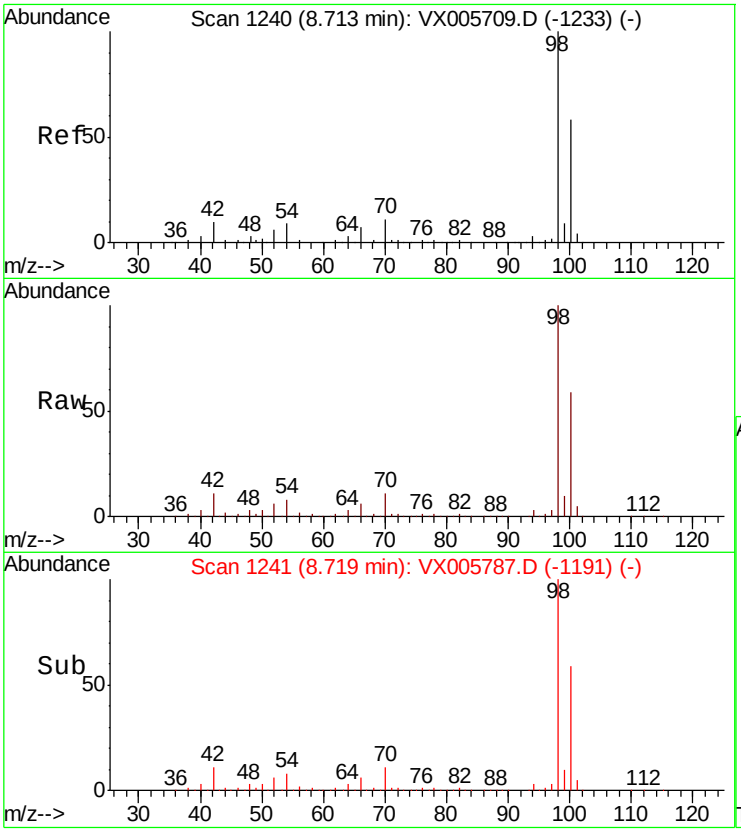




#48
Methyl methacrylate
Concen: 1.696 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 41 Resp: 3933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 63.2 | 94.8# |
| 39 | 19.4 | 42.2 | 63.2# |



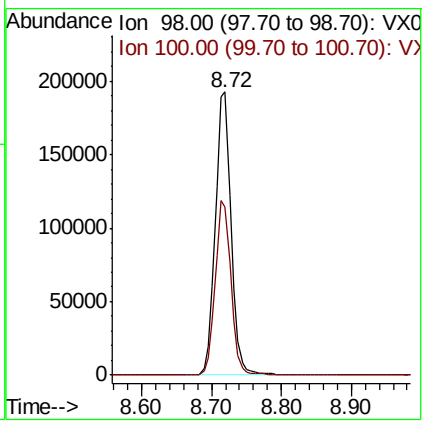


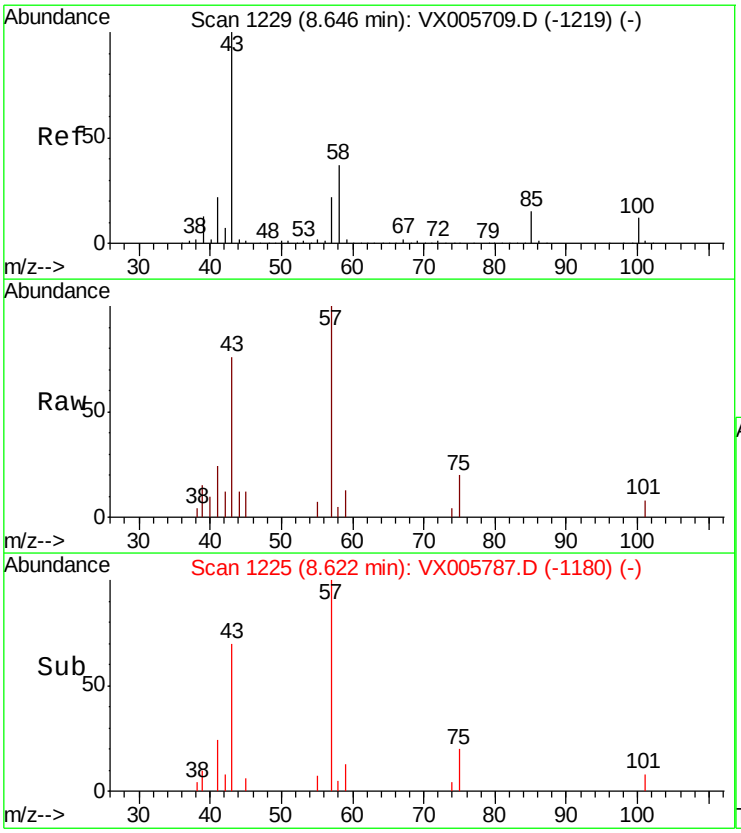

#50
Toluene-d8
Concen: 51.235 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 98 Resp: 302157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 61.7 | 51.3 | 76.9 |

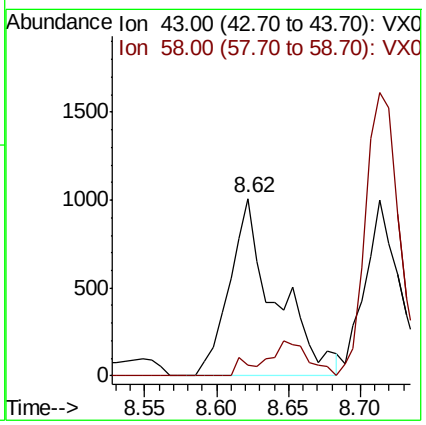


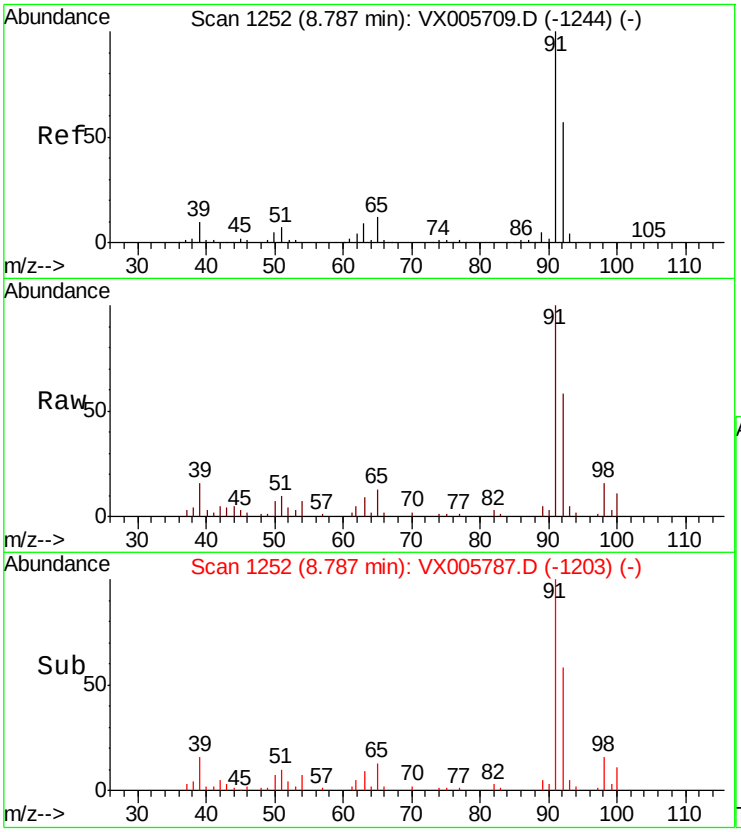




#51
4-Methyl-2-Pentanone
Concen: 0.692 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 43 Resp: 2261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 29.7 | 44.5# |



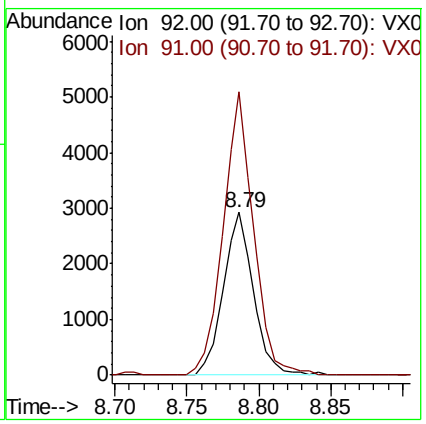


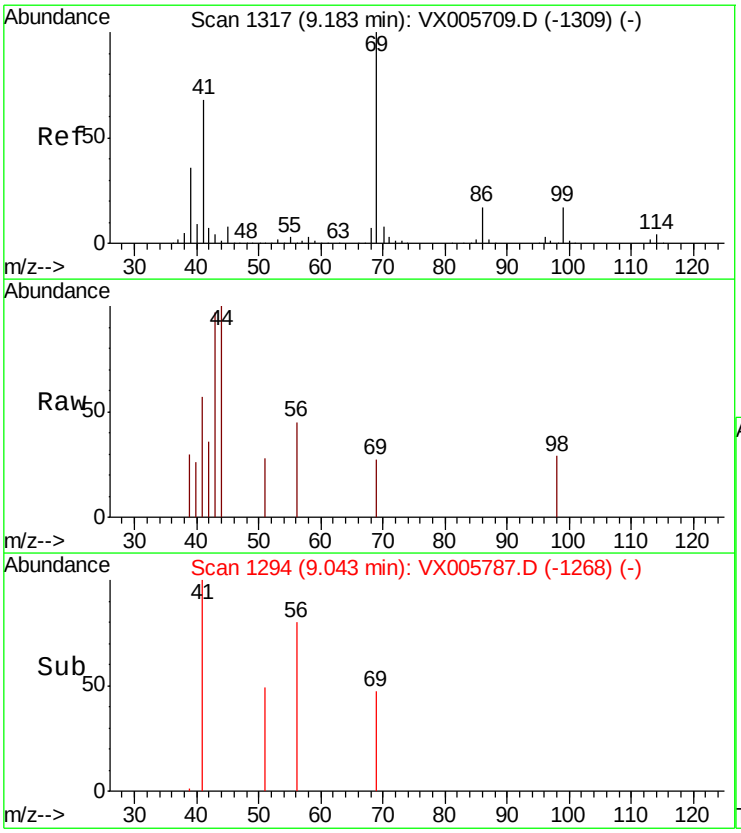

#52
Toluene
Concen: 1.034 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 92 Resp: 4304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.5 | 140.4 | 210.6 |

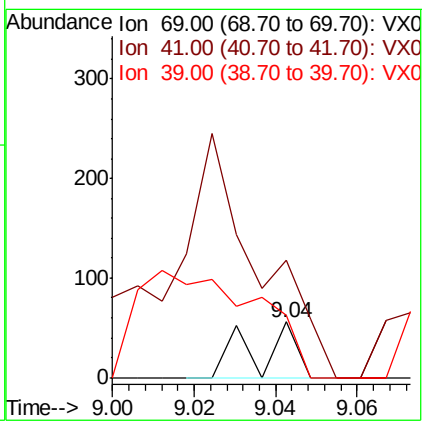


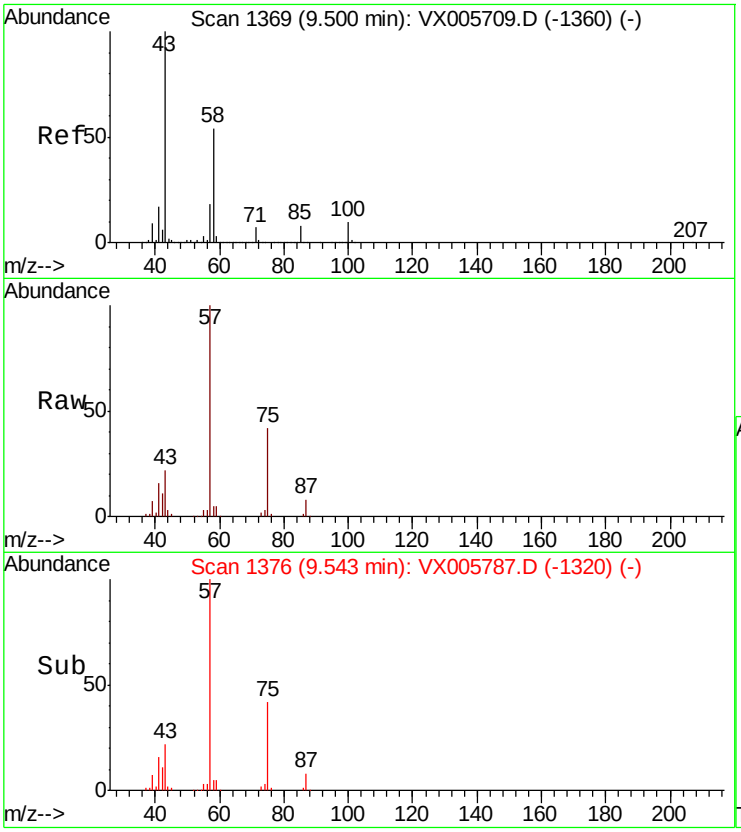




#56
Ethyl methacrylate
Concen: 2.483 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.14 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 69 Resp: 40

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 0.0 | 57.0 | 85.6# |
| 39 | 0.0 | 28.3 | 42.5# |



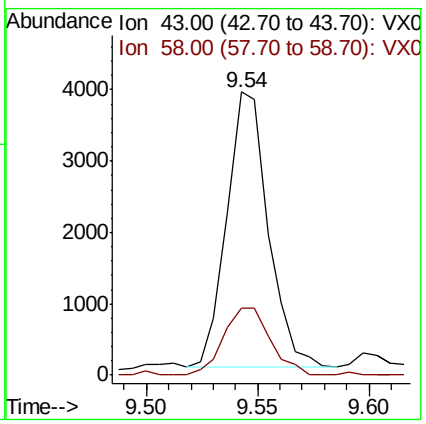


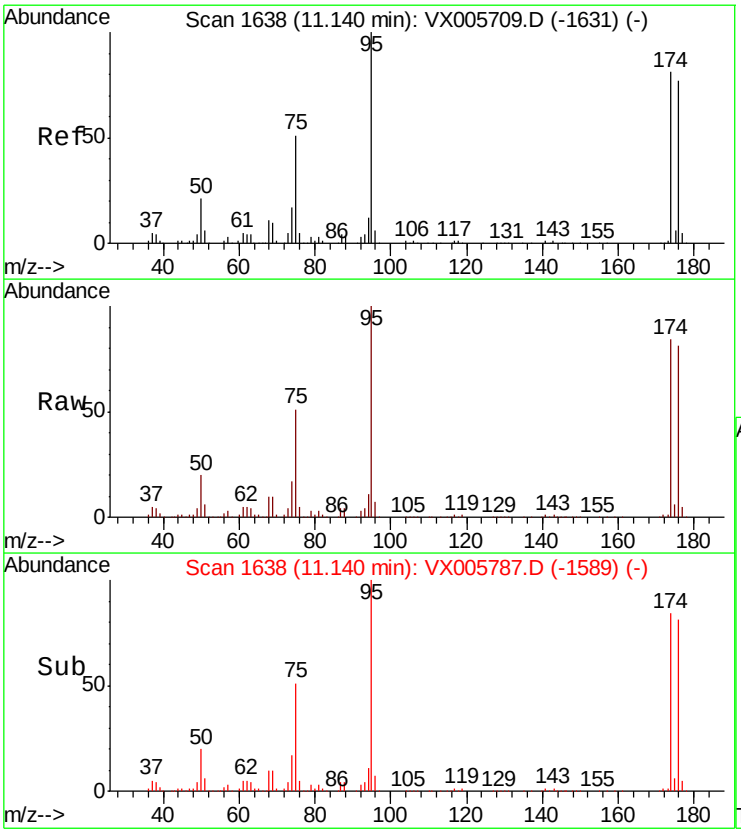

#59
2-Hexanone
Concen: 1.889 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 43 Resp: 5023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.4 | 25.9 | 77.8 |

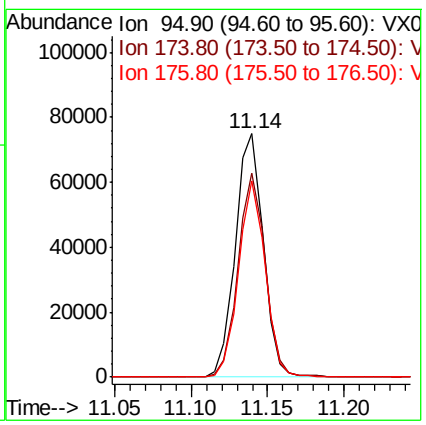


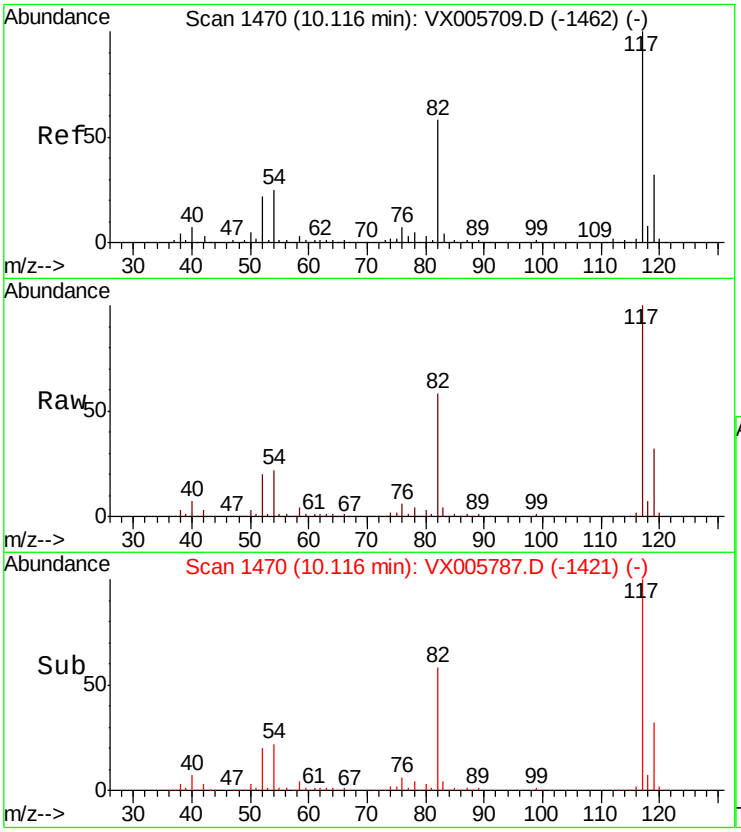




#62
4-Bromofluorobenzene
Concen: 43.749 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 95 Resp: 95223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.8 | 0.0 | 184.4 |
| 176 | 77.0 | 0.0 | 177.4 |



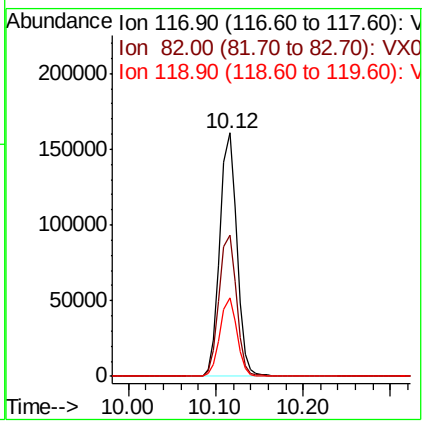


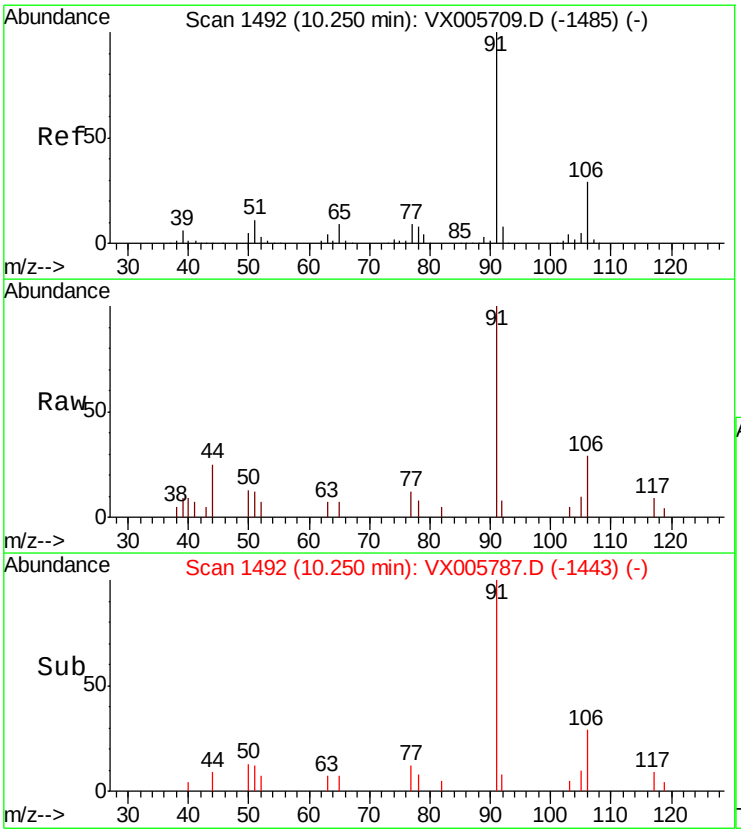

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:117 Resp: 216312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 44.1 | 66.1 |
| 119 | 32.0 | 26.2 | 39.2 |

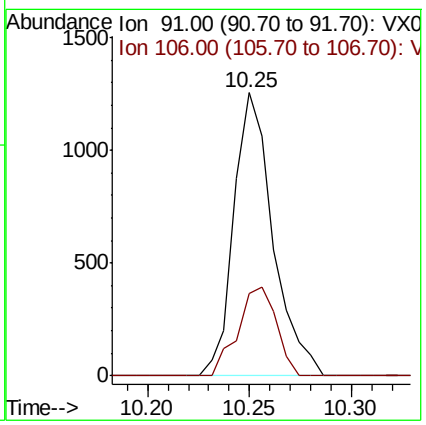


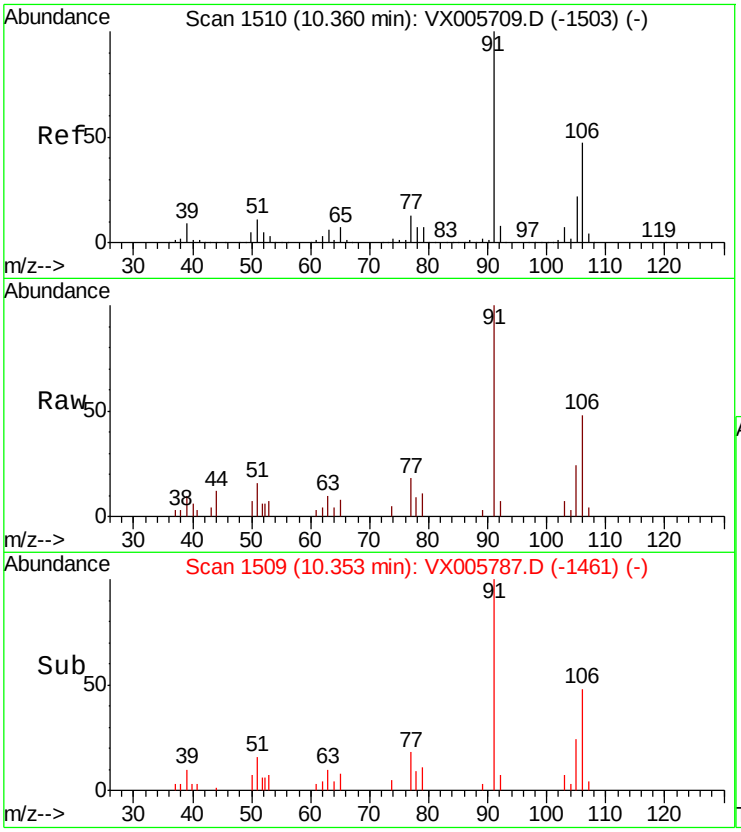




#67
Ethyl Benzene
Concen: 0.212 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion: 91 Resp: 1667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 24.4 | 36.6 |



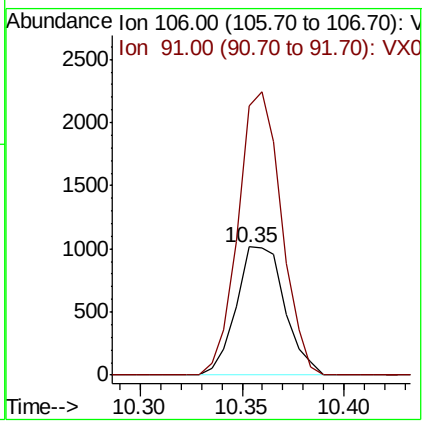


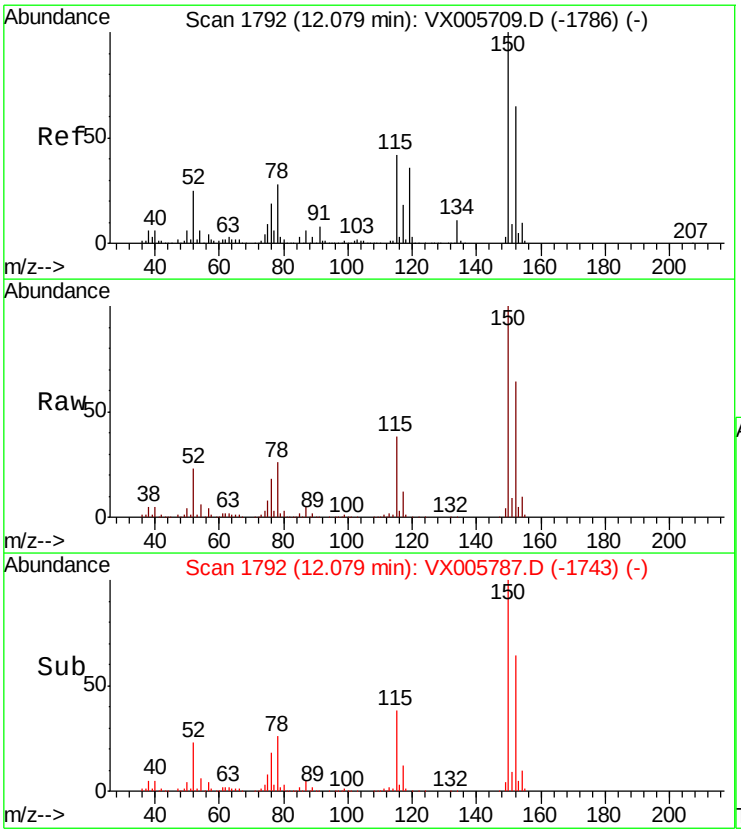

#68
m/p-Xylenes
Concen: 0.574 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:106 Resp: 1672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 198.1 | 164.2 | 246.4 |

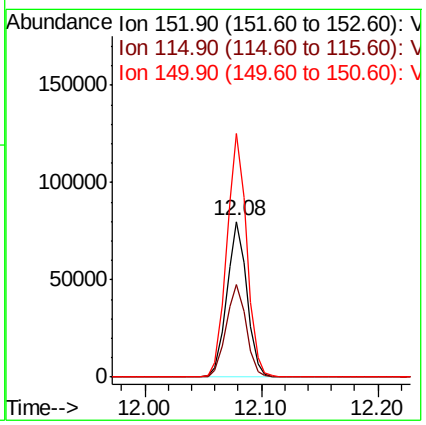


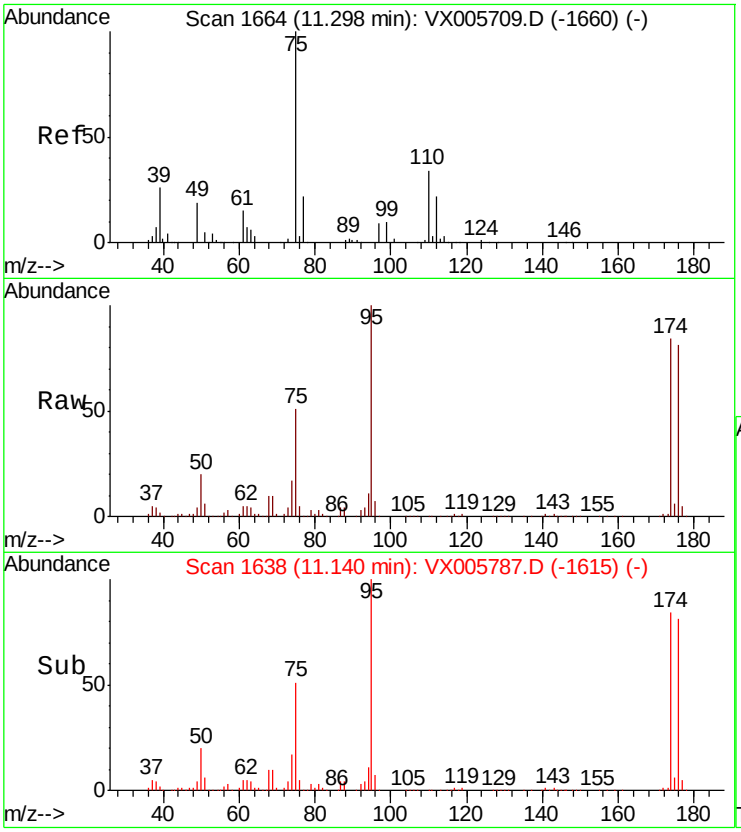




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion:152 Resp: 94819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 39.4 | 118.1 |
| 150 | 156.6 | 0.0 | 346.4 |



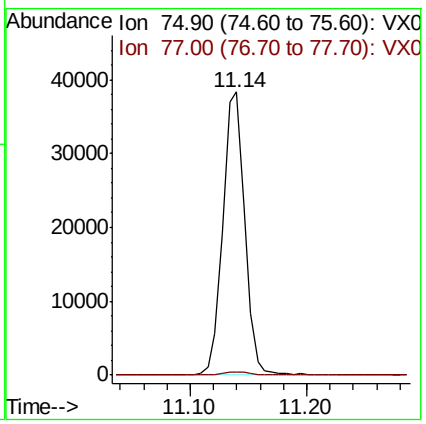


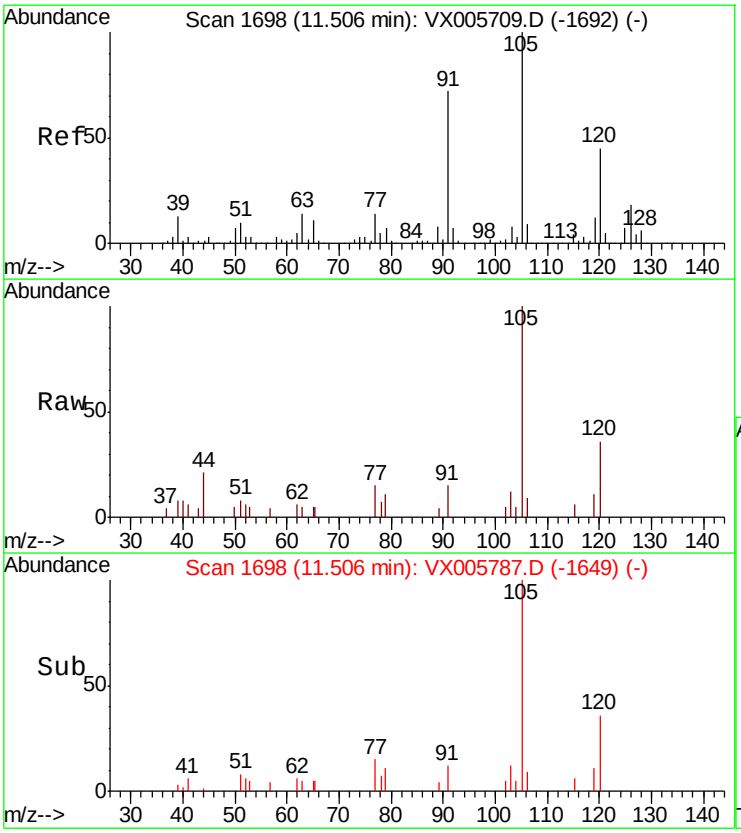

#76
1,2,3-Trichloropropane
Concen: 21.077 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 49774

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

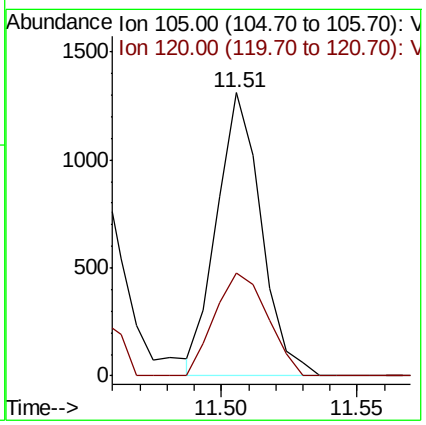


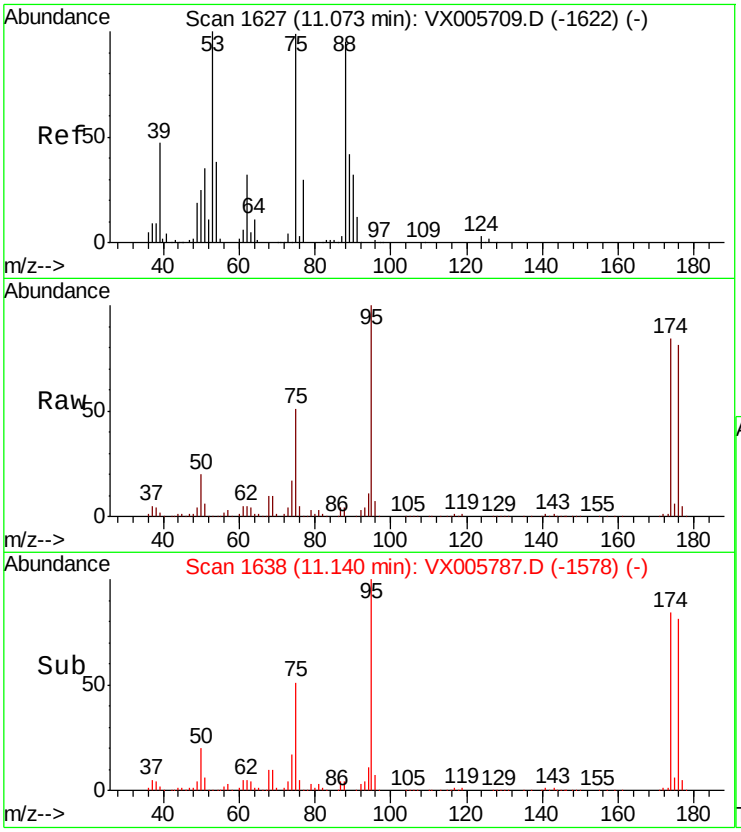




#80
1,3,5-Trimethylbenzene
Concen: 0.279 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion:105 Resp: 1482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.3 | 24.1 | 72.2 |



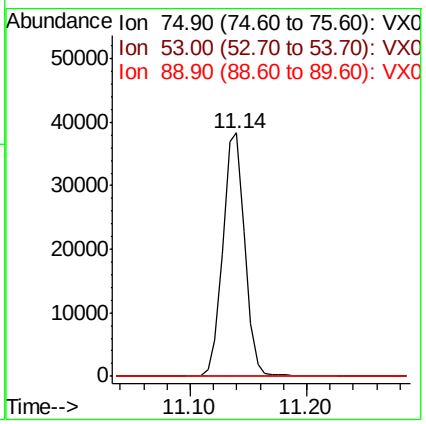


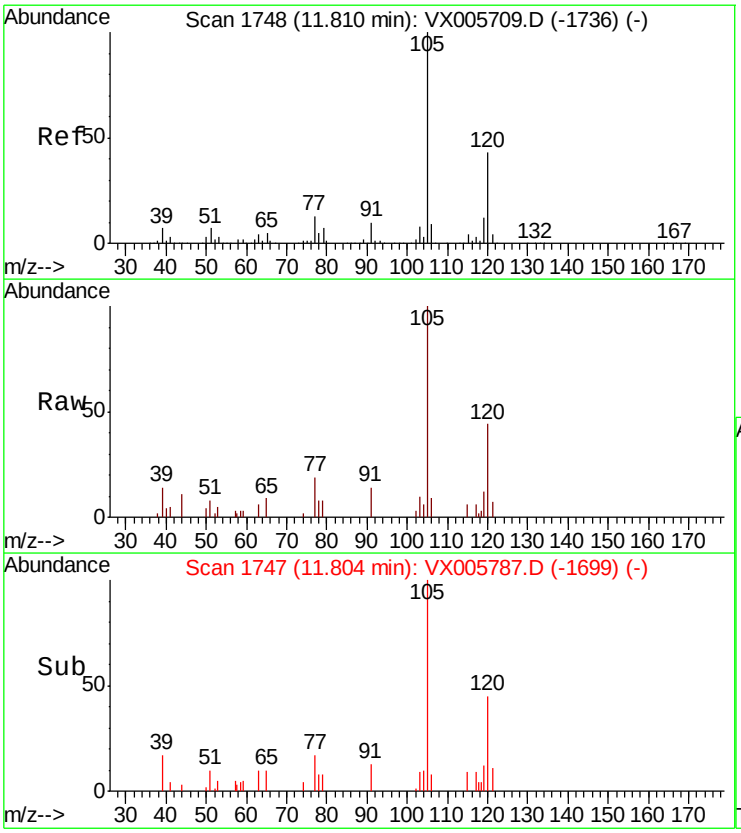

#81
trans-1,4-Dichloro-2-butene
Concen: 68.097 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion: 75 Resp: 49774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 80.2 | 120.2# |
| 89 | 0.0 | 39.8 | 59.8# |

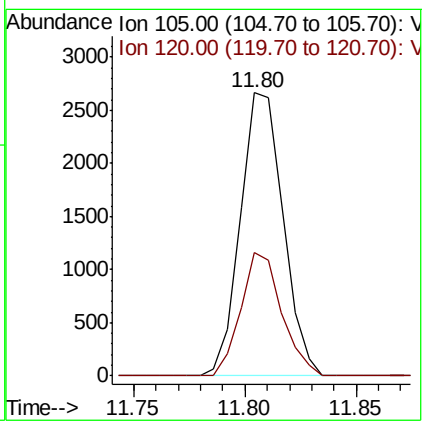


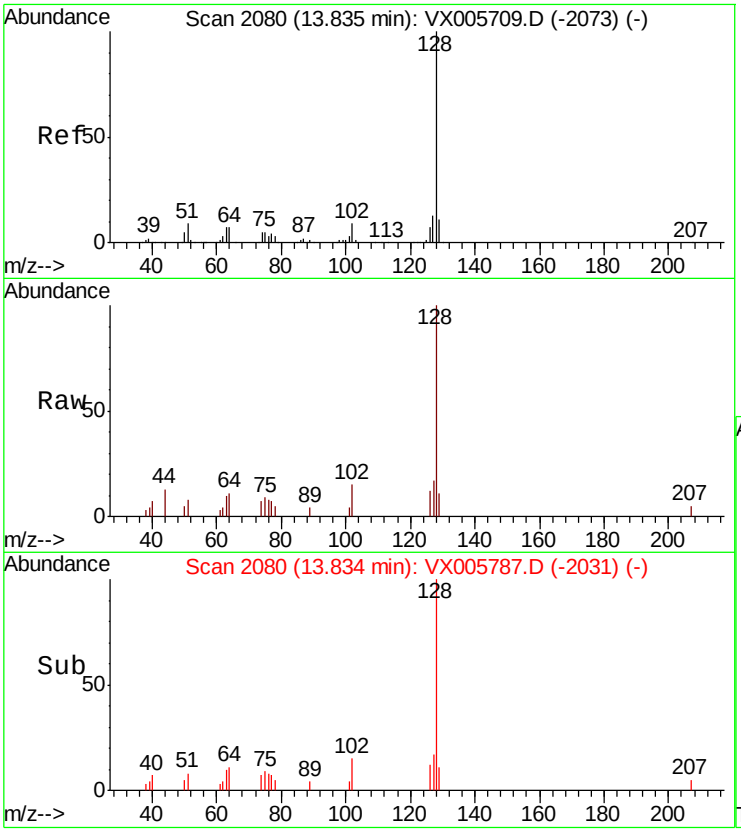




#84
1,2,4-Trimethylbenzene
Concen: 0.667 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

Tgt Ion:105 Resp: 3575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.7 | 22.4 | 67.0 |






#95
Naphthalene
Concen: 0.309 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005787.D
Acq: 05 Nov 2018 19:10

**Instrument :**
MSVOA_X
**ClientSampleId :**

Tgt Ion:128 Resp: 2043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 17.0 | 10.4 | 15.6# |
| 129 | 12.9 | 8.7 | 13.1 |