Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061418\
Data File : VX002577.D
Acq On : 15 Jun 2018 03:23
Operator : JC/MD
Sample : PB110227ZHE#15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Jun 15 07:02:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 224019 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 320314 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 306303 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152 | 177403 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 154092 | 47.96 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.92% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 115758 | 45.95 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.90% | | | | |
| 50) Toluene-d8 | 8.72 | 98 | 465351 | 48.20 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.40% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 168996 | 45.39 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.78% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 379 | Below Cal | | # | 66 |
| 5) Bromomethane | 1.64 | 94 | 873 | Below Cal | | | 96 |
| 8) Diethyl Ether | 2.19 | 74 | 120 | Below Cal | | | 69 |
| 10) Methyl Iodide | 2.52 | 142 | 1005 | 0.30 | ug/l | # | 90 |
| 11) Tert butyl alcohol | 3.03 | 59 | 4938 | Below Cal | | # | 93 |
| 13) Acrolein | 2.29 | 56 | 104 | Below Cal | | # | 14 |
| 15) Acrylonitrile | 3.14 | 53 | 128 | Below Cal | | # | 1 |
| 16) Acetone | 2.45 | 43 | 24145 | Below Cal | | | 98 |
| 18) Methyl Acetate | 2.78 | 43 | 23345 | 4.84 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.20 | 73 | 52 | Below Cal | | # | 65 |
| 20) Methylene Chloride | 2.86 | 84 | 5809 | Below Cal | | | 99 |
| 22) Diisopropyl ether | 3.86 | 45 | 82 | Below Cal | | # | 41 |
| 25) 2-Butanone | 4.71 | 43 | 6749 | 3.07 | ug/l | # | 90 |
| 28) Bromochloromethane | 5.04 | 49 | 41 | Below Cal | | # | 13 |
| 29) Tetrahydrofuran | 5.18 | 42 | 1186 | 0.84 | ug/l | # | 73 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 15806 | 4.69 | ug/l | # | 46 |
| 37) Ethyl Acetate | 4.71 | 43 | 6749 | 1.67 | ug/l | # | 70 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 20768 | 5.90 | ug/l | # | 15 |
| 39) Methylcyclohexane | 7.46 | 83 | 324 | 0.34 | ug/l | # | 67 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 5188 | 1.21 | ug/l | | 92 |
| 65) Chlorobenzene | 10.14 | 112 | 3034 | 0.40 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 91893 | 23.61 | ug/l | # | 32 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 91893 | 82.75 | ug/l | # | 7 |

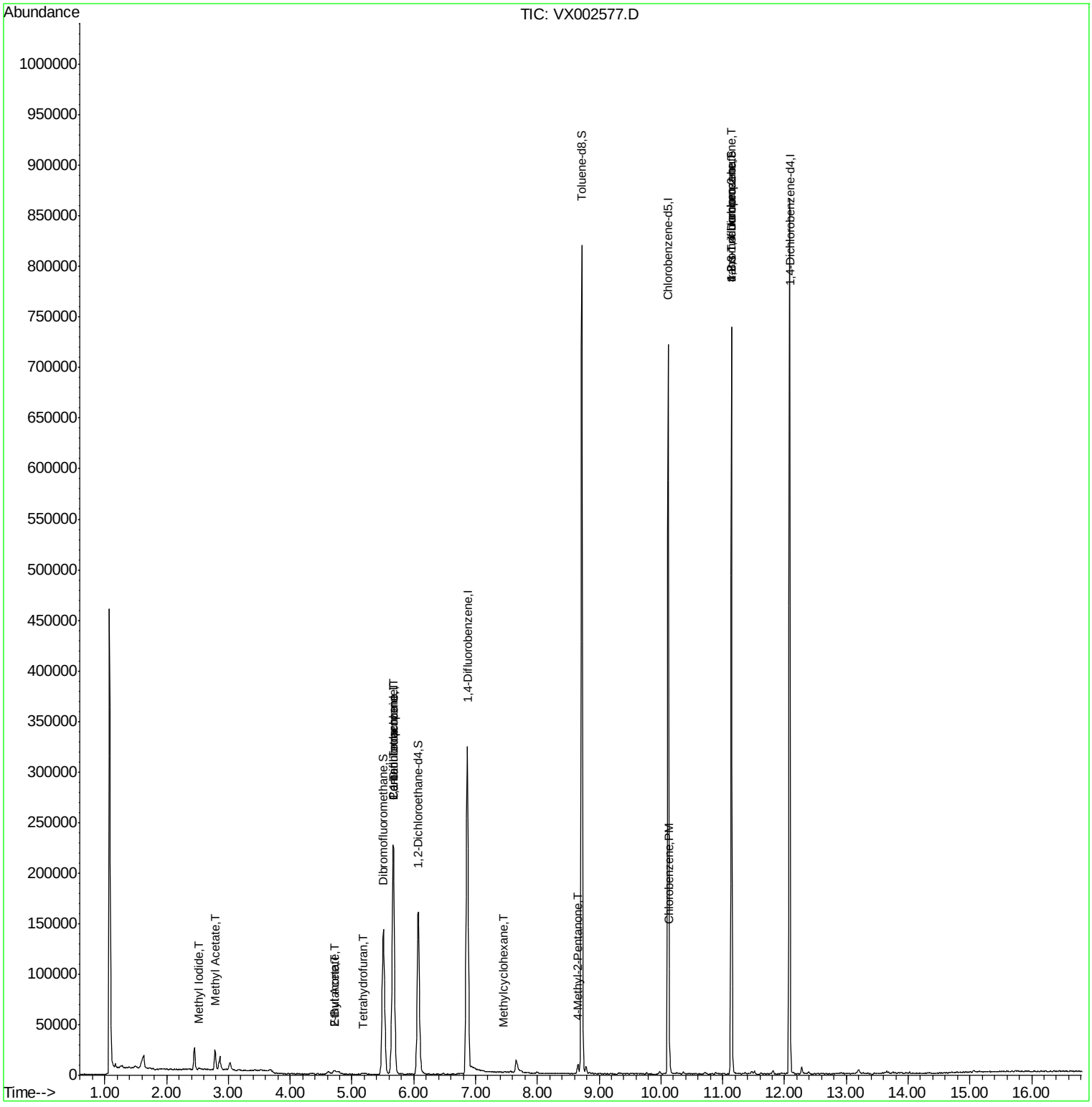
(#) = qualifier out of range (m) = manual integration (+) = signals summed

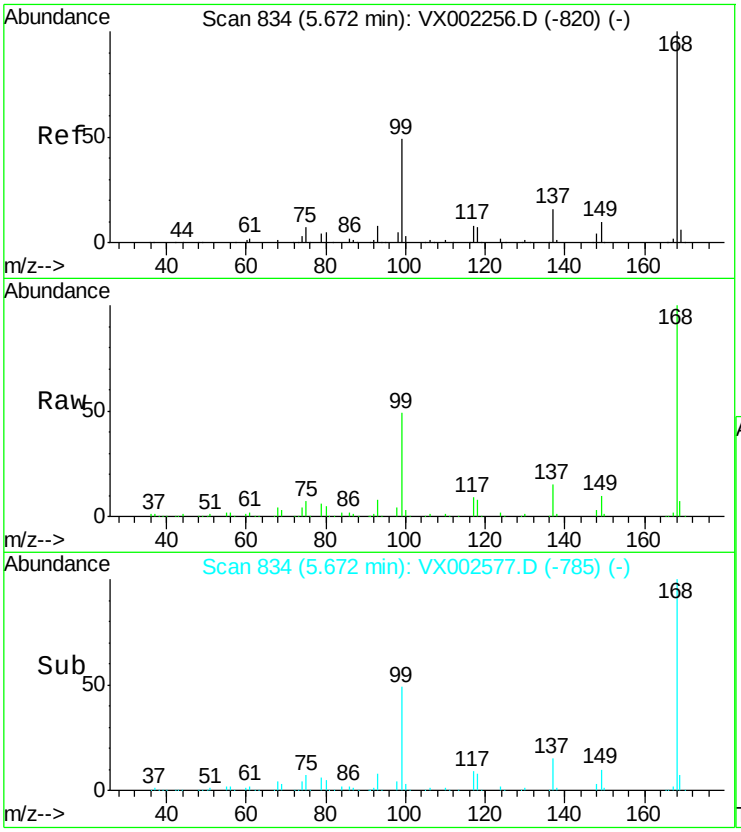
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061418\
Data File : VX002577.D
Acq On : 15 Jun 2018 03:23
Operator : JC/MD
Sample : PB110227ZHE#15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Jun 15 07:02:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration



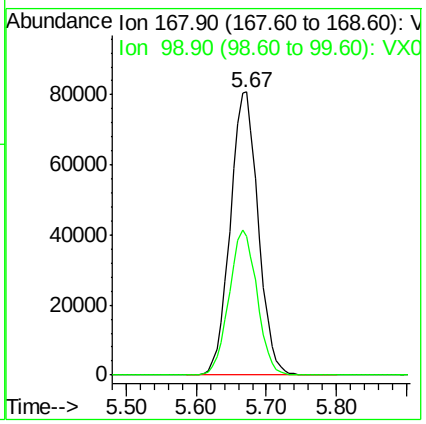


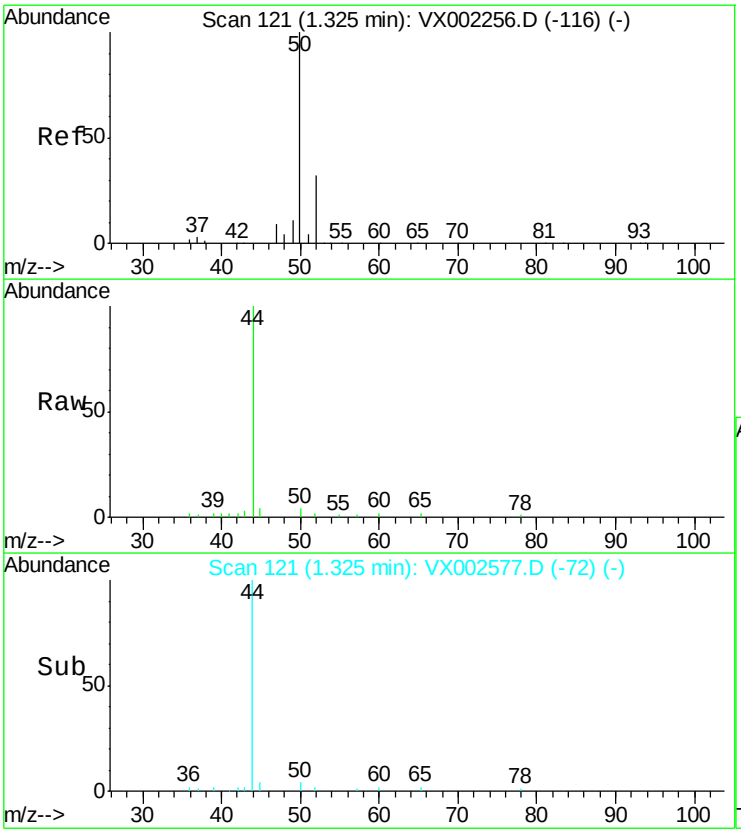

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion:168 Resp: 224019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.0 | 39.3 | 58.9 |

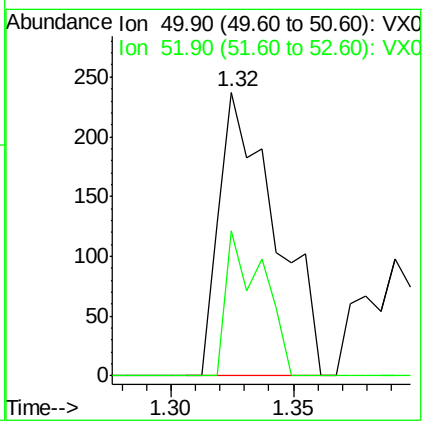


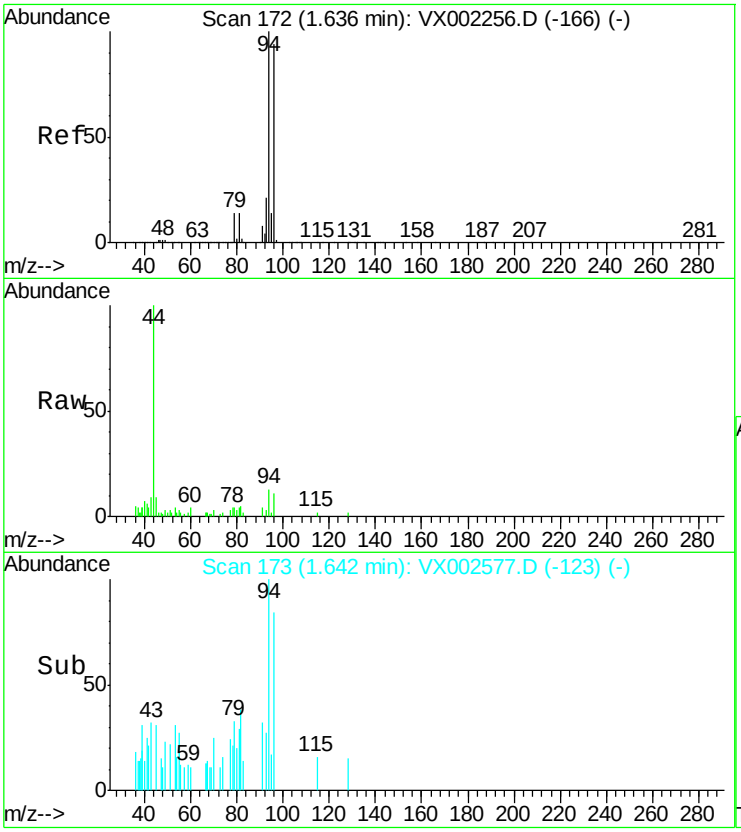




#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 50 Resp: 379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 51.1 | 25.7 | 38.5# |



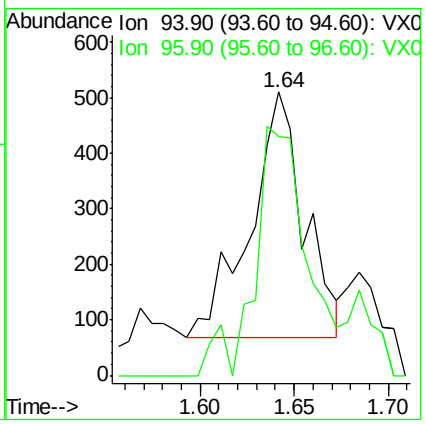


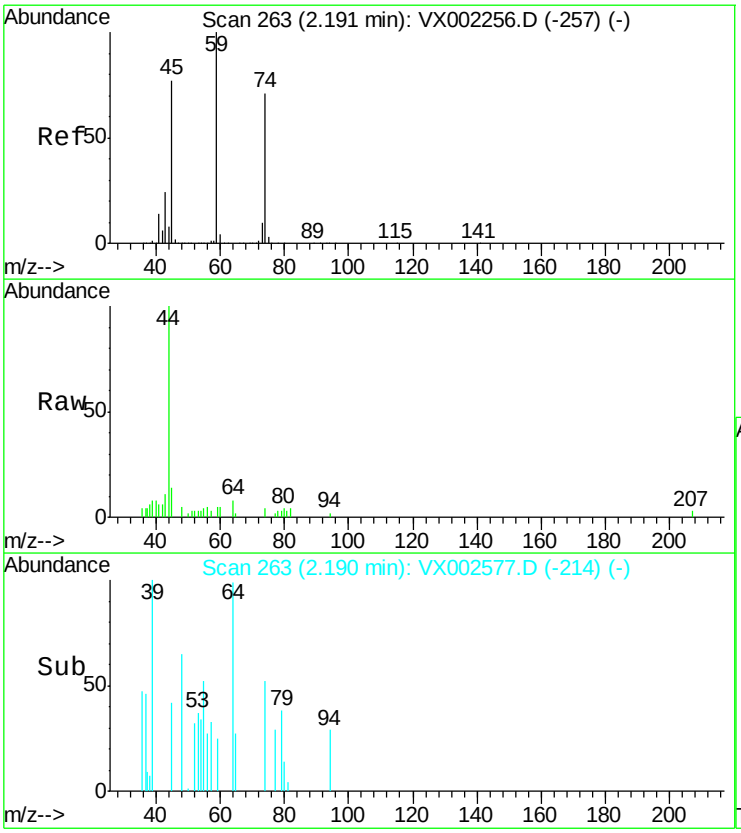

#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 173
Delta R.T. 0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 94 Resp: 873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 97.3 | 74.9 | 112.3 |

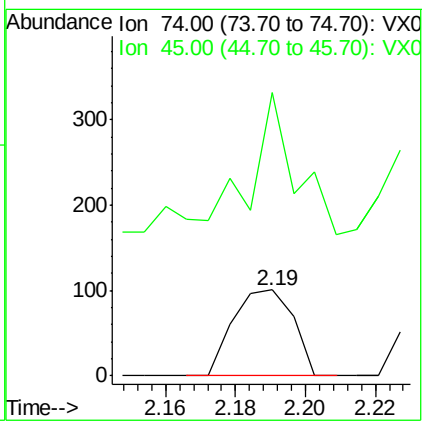


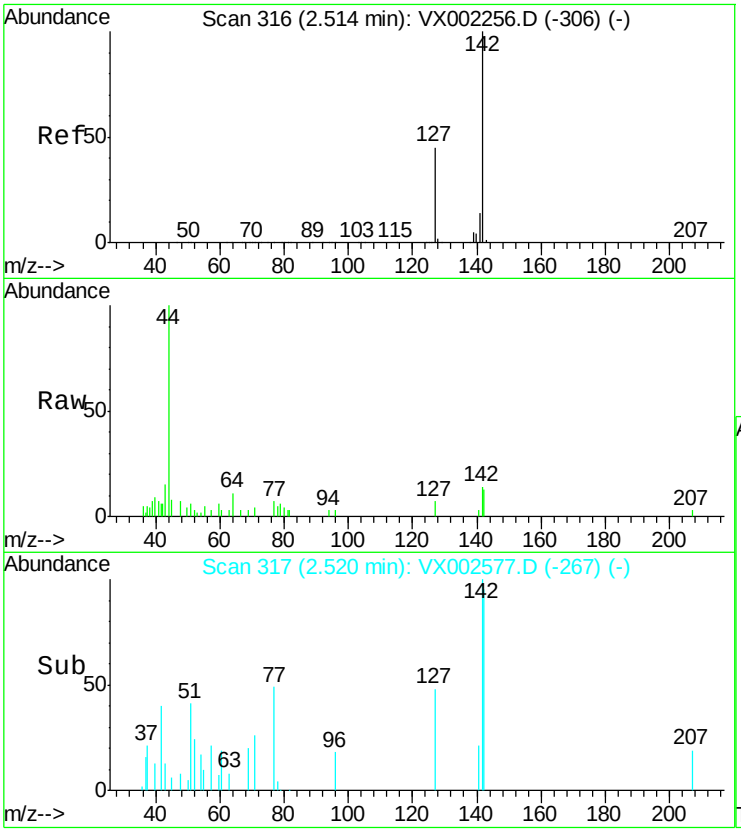




#8
Diethyl Ether
Concen: Below Cal
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 74 Resp: 120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 138.3 | 53.1 | 159.4 |



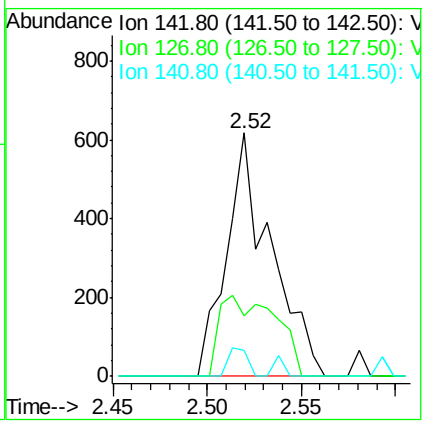


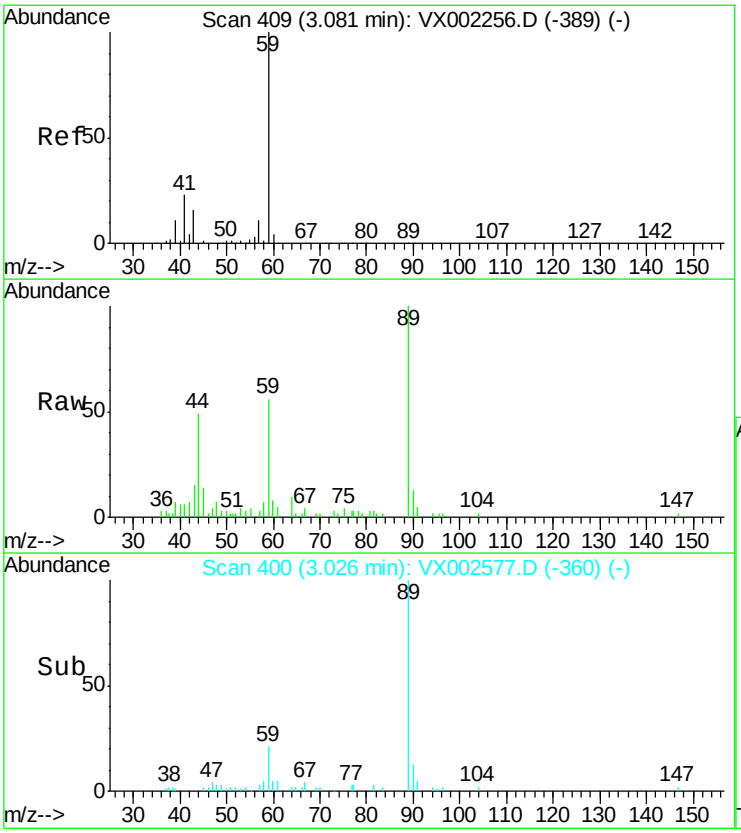

#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion:142 Resp: 1005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 42.0 | 36.6 | 55.0 |
| 141 | 5.1 | 11.3 | 16.9# |

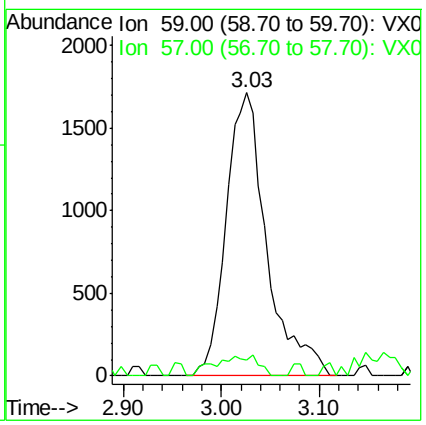


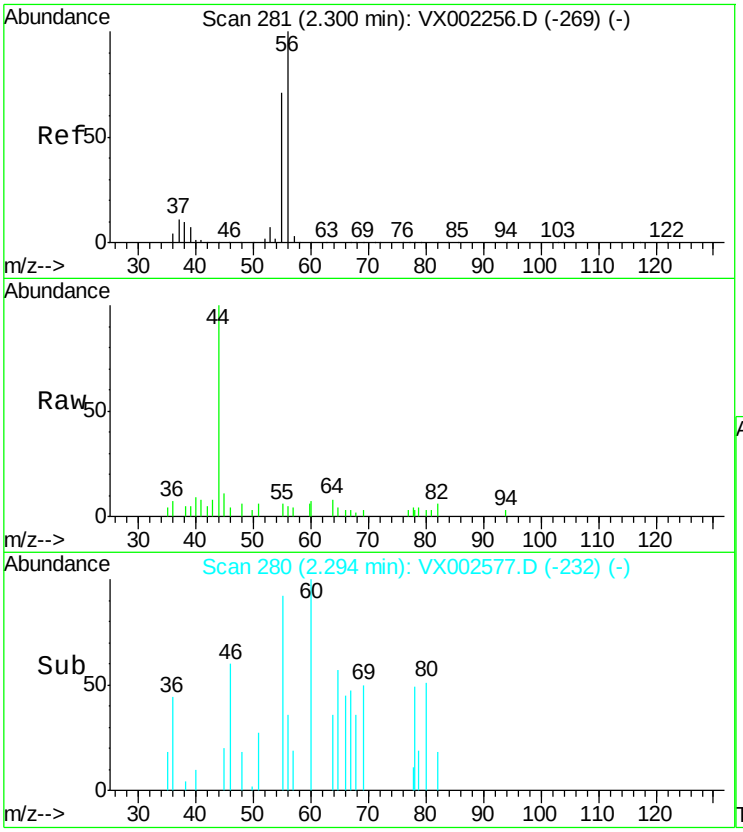




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 59 Resp: 4938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 7.6 | 8.2 | 12.2# |



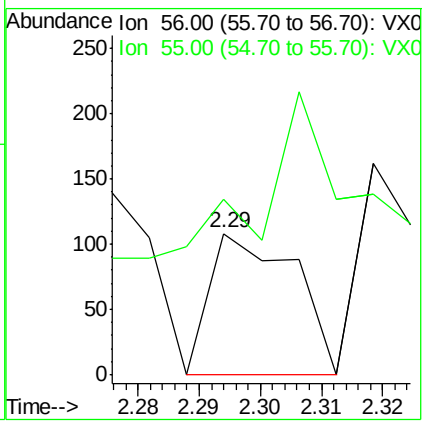


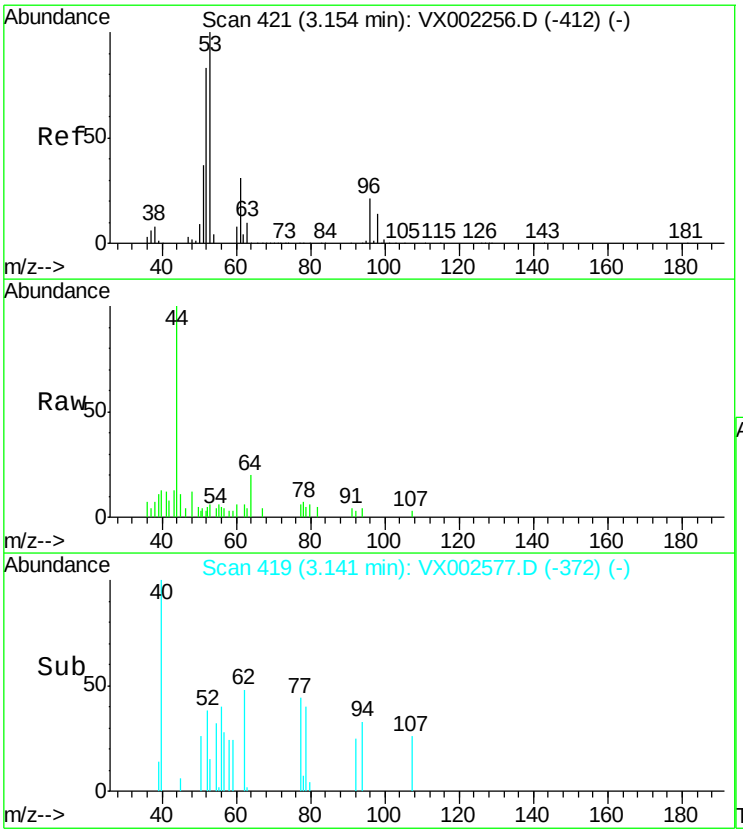

#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 56 Resp: 104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.0 | 85.4# |

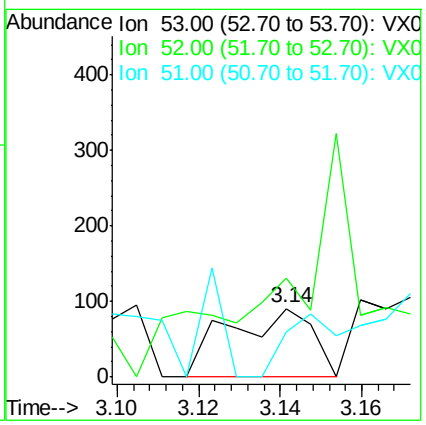


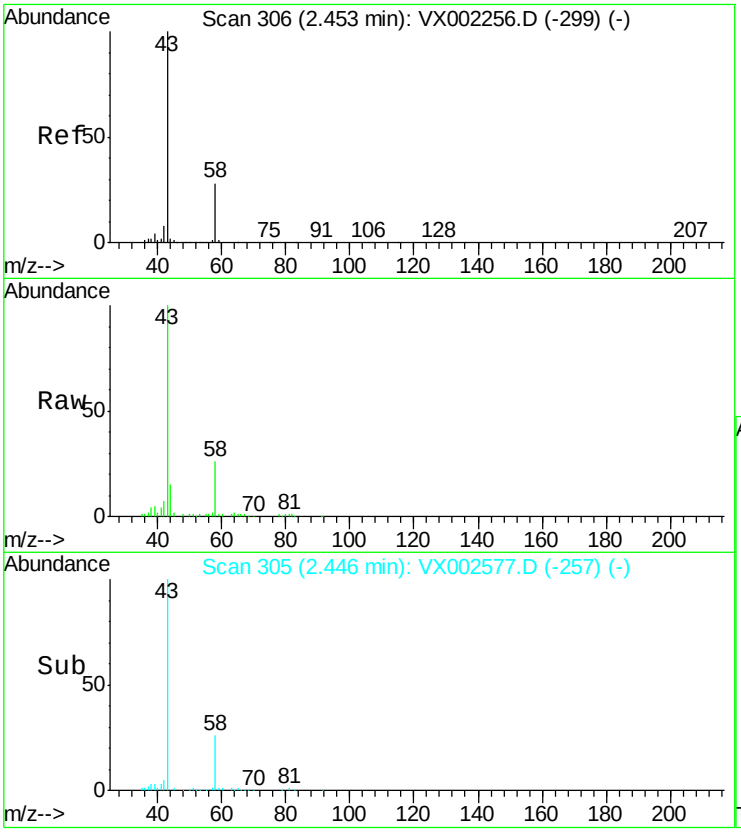




#15
Acrylonitrile
Concen: Below Cal
RT: 3.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 53 Resp: 128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 298.4 | 66.7 | 100.1# |
| 51 | 56.3 | 29.9 | 44.9# |



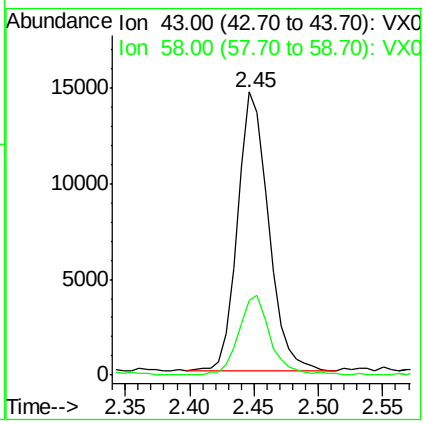


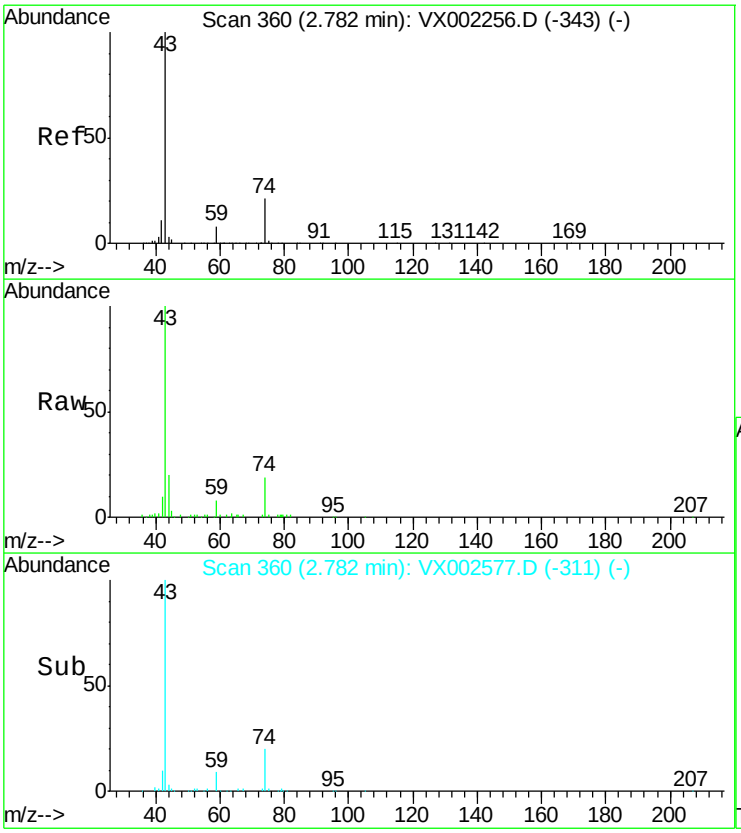

#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 43 Resp: 24145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.3 | 22.1 | 33.1 |

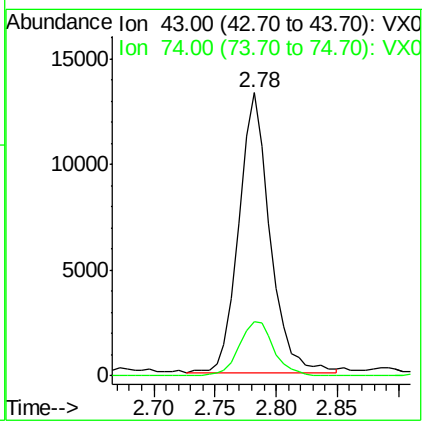


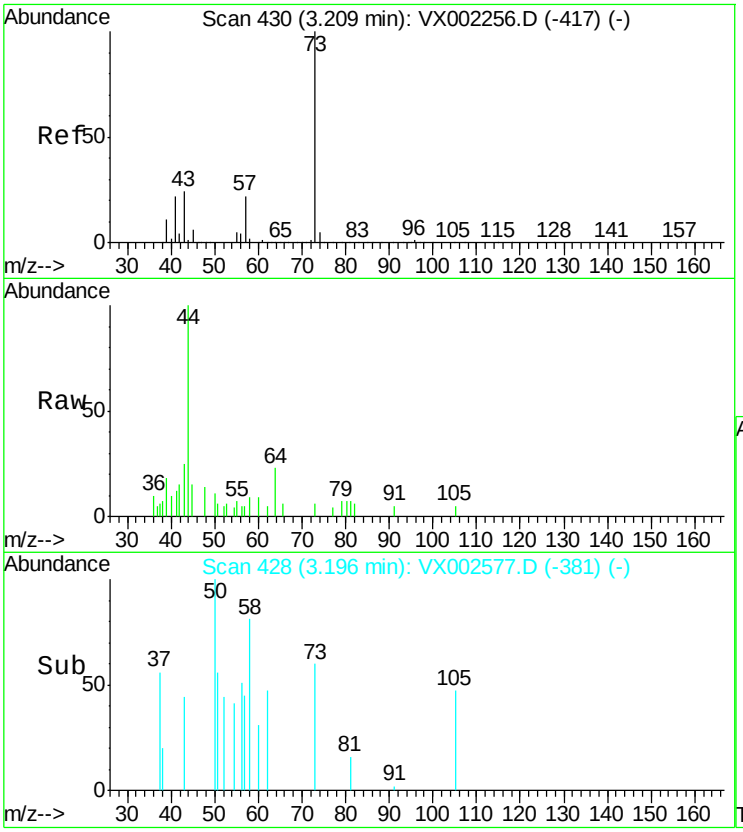




#18
Methyl Acetate
Concen: 4.84 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 43 Resp: 23345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.7 | 16.7 | 25.1 |



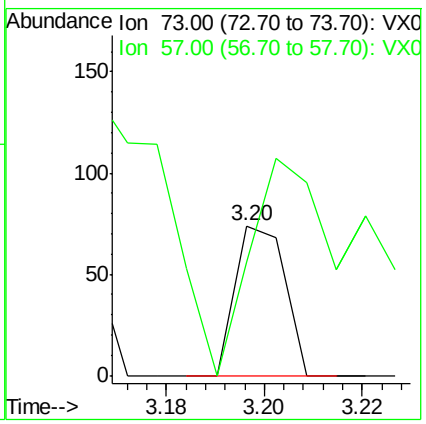


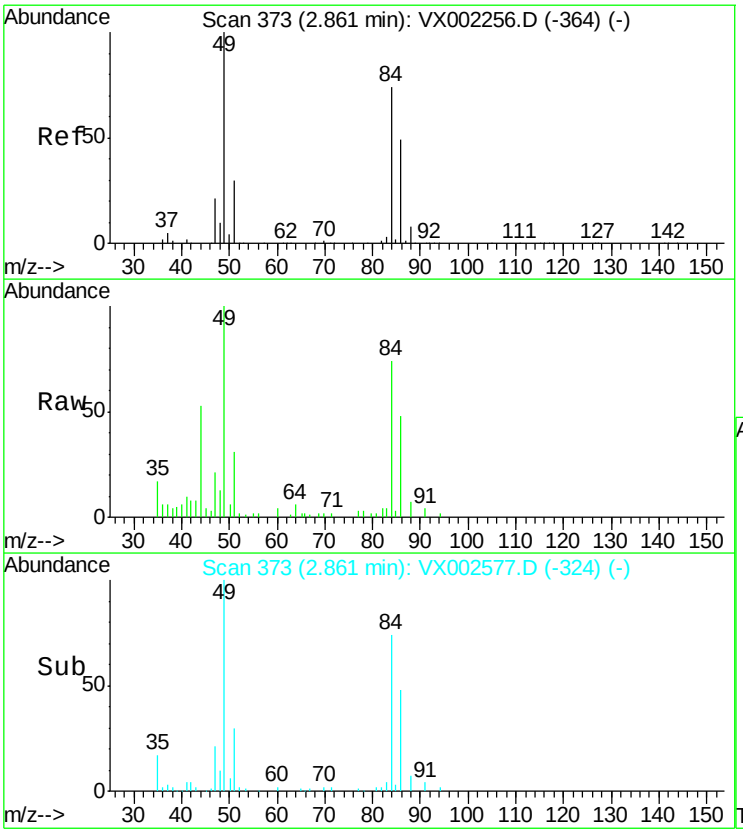

#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 73 Resp: 52

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 5.4 | 17.7 | 26.5# |

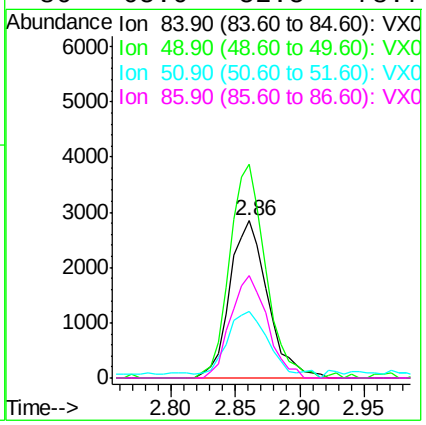


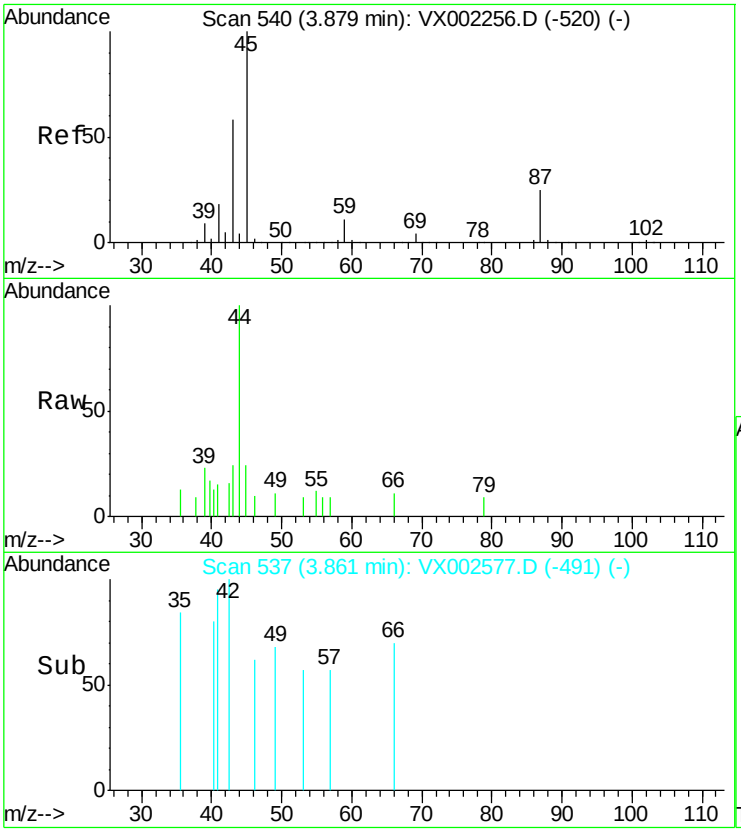




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 84 Resp: 5809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 135.8 | 107.8 | 161.6 |
| 51 | 39.1 | 32.8 | 49.2 |
| 86 | 65.0 | 52.5 | 78.7 |



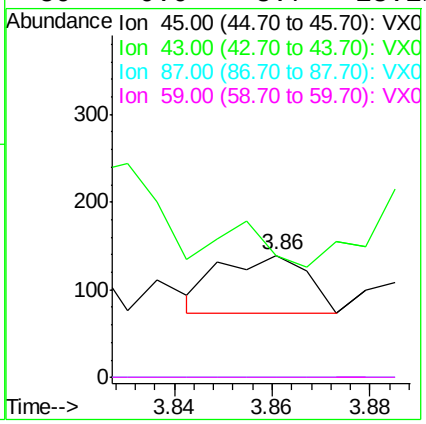


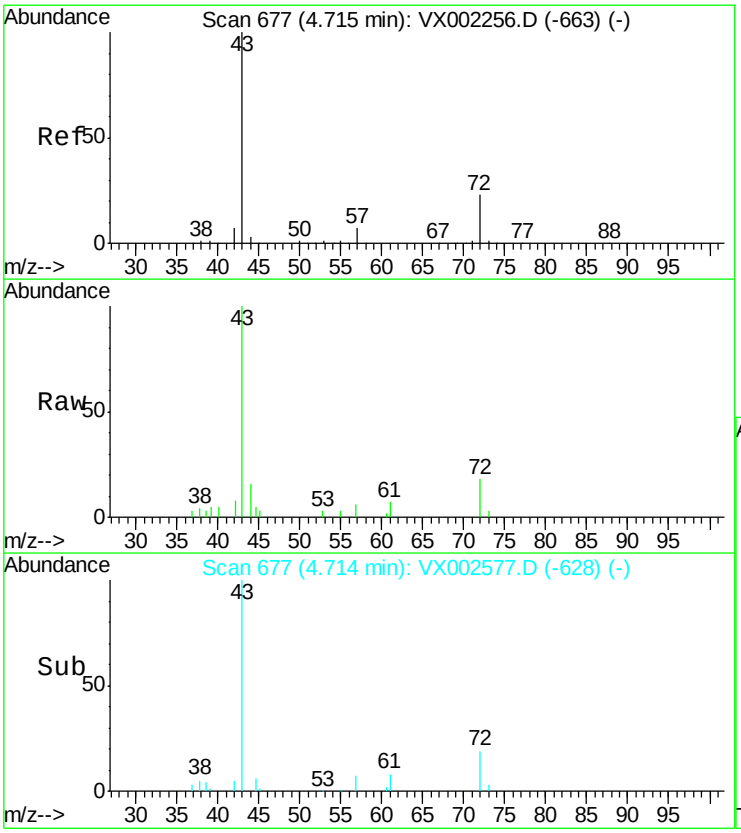

#22
Diisopropyl ether
Concen: Below Cal
RT: 3.86 min Scan# 537
Delta R.T. -0.02 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 45 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 7.6 | 46.8 | 70.2# |
| 87 | 0.0 | 20.2 | 30.4# |
| 59 | 0.0 | 8.7 | 13.1# |

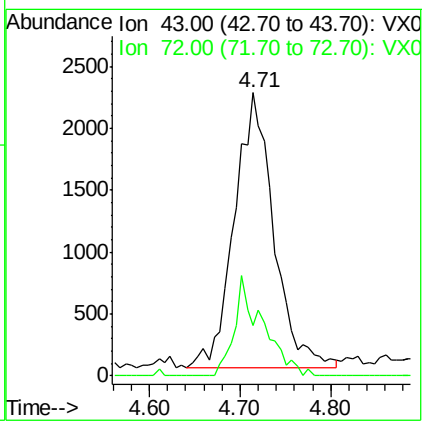


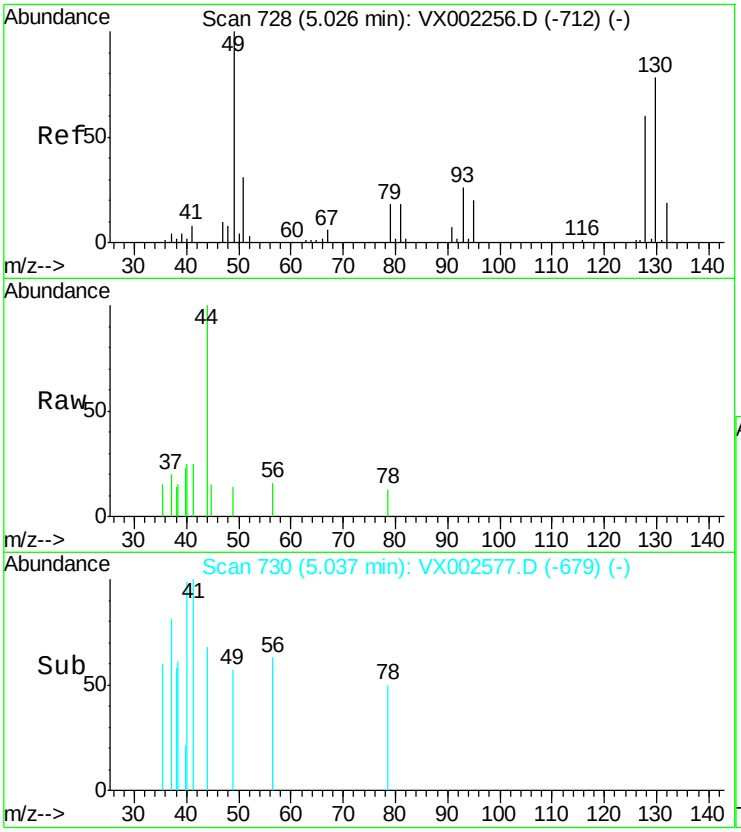




#25
2-Butanone
Concen: 3.07 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 43 Resp: 6749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.3 | 18.5 | 27.7# |



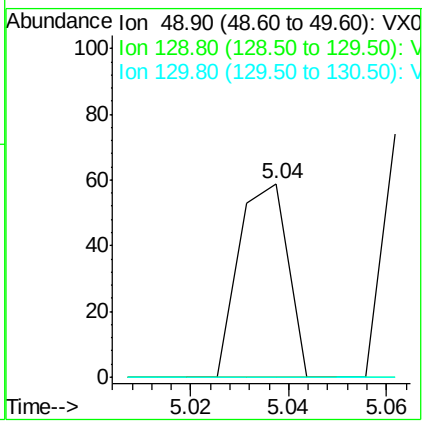


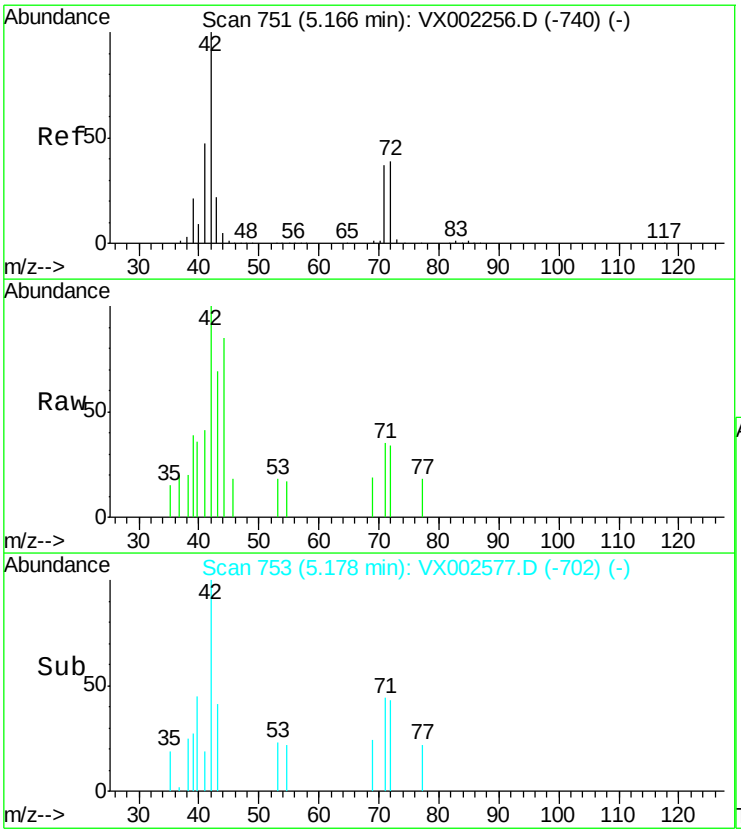

#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 730
Delta R.T. 0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 49 Resp: 41

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.2 |
| 130 | 0.0 | 61.2 | 91.8# |

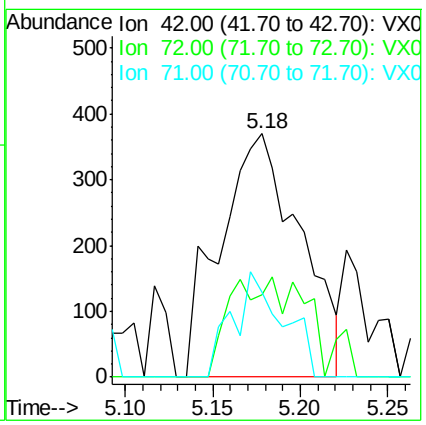


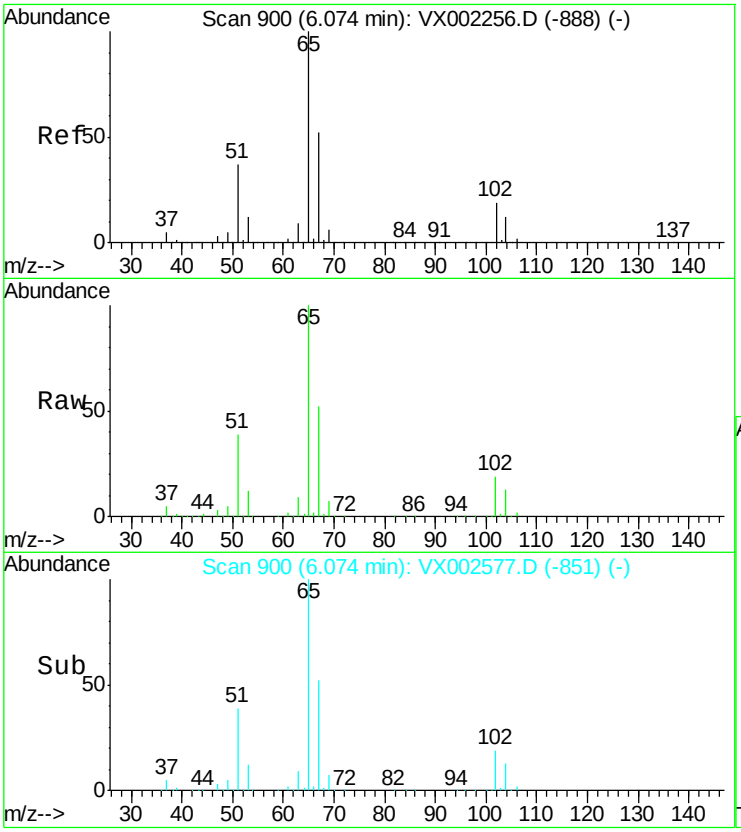




#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 42 Resp: 1186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 17.9 | 32.0 | 48.0# |
| 71 | 27.0 | 30.1 | 45.1# |



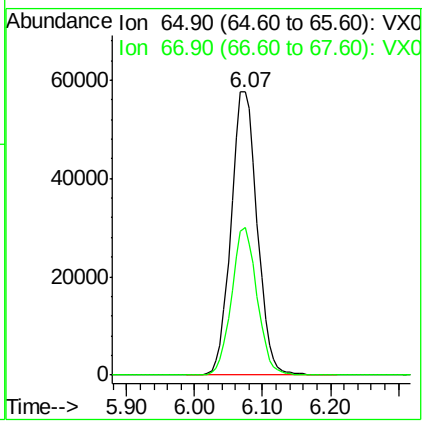


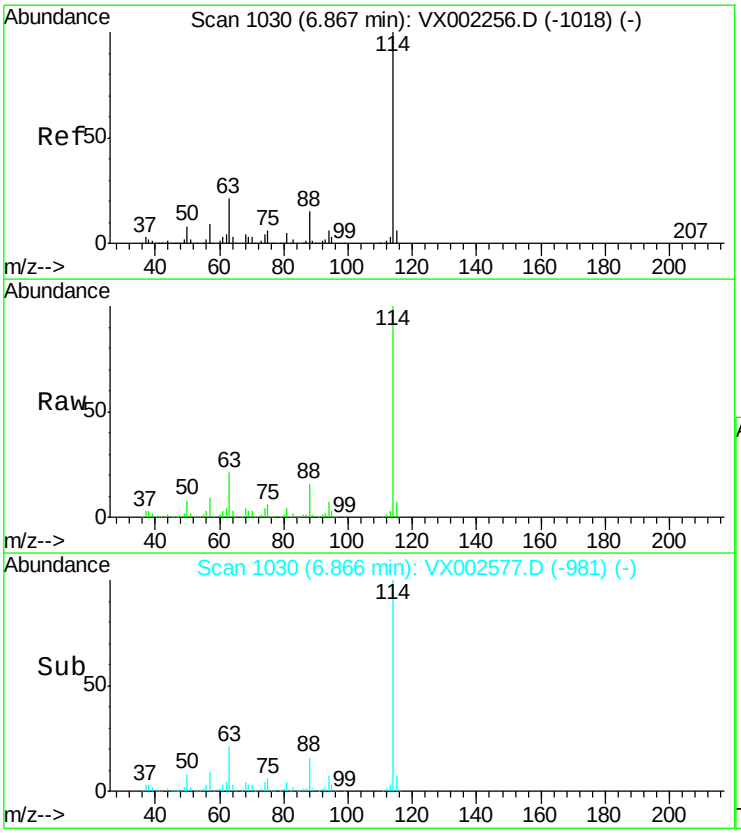

#33
1,2-Dichloroethane-d4
Concen: 47.96 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 65 Resp: 154092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 102.6 |

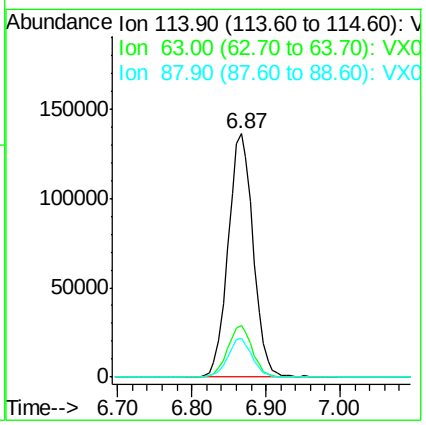


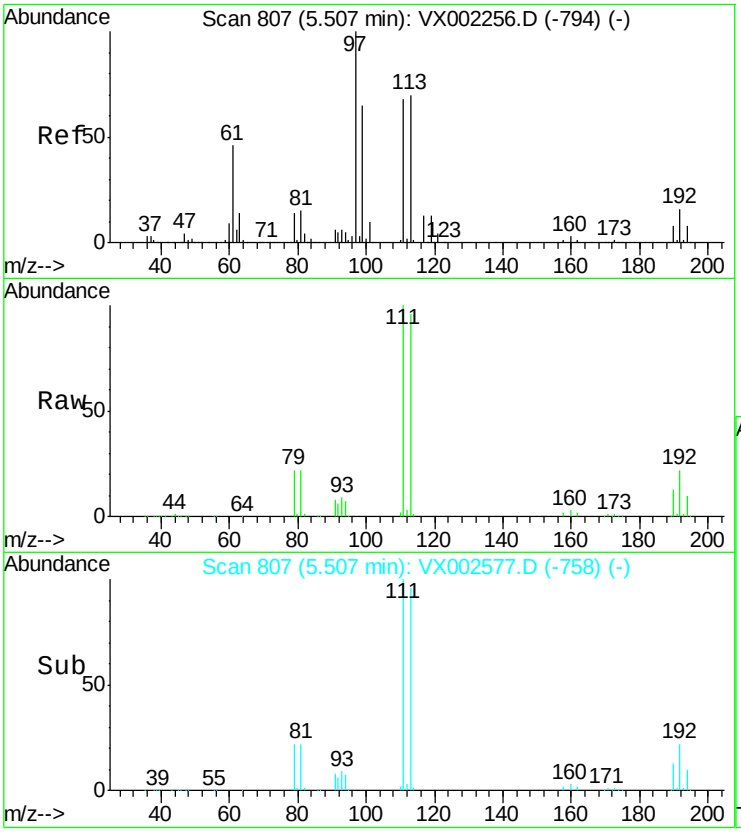




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion:114 Resp: 320314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 41.4 |
| 88 | 15.7 | 0.0 | 30.0 |



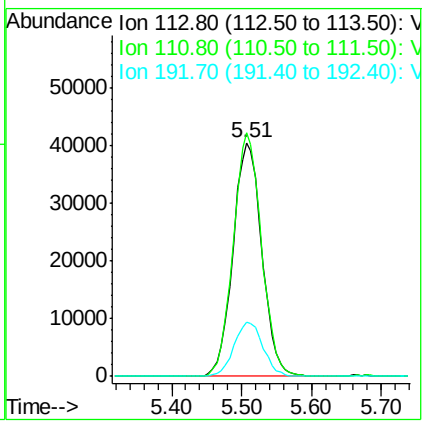


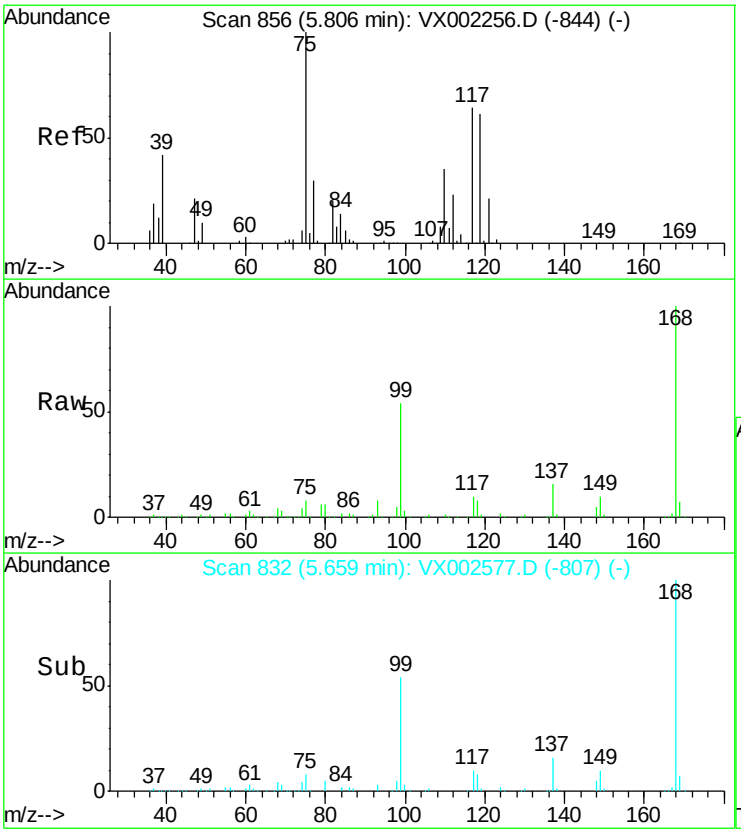

#35
Dibromofluoromethane
Concen: 45.95 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion:113 Resp: 115758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 81.4 | 122.0 |
| 192 | 23.4 | 19.1 | 28.7 |

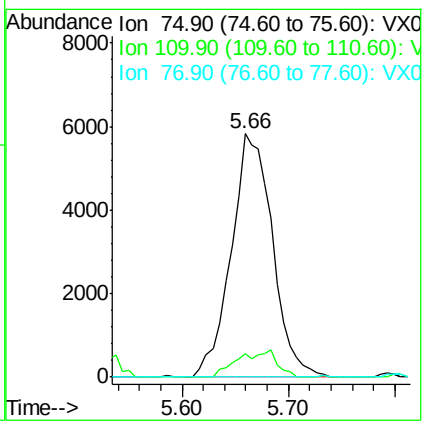


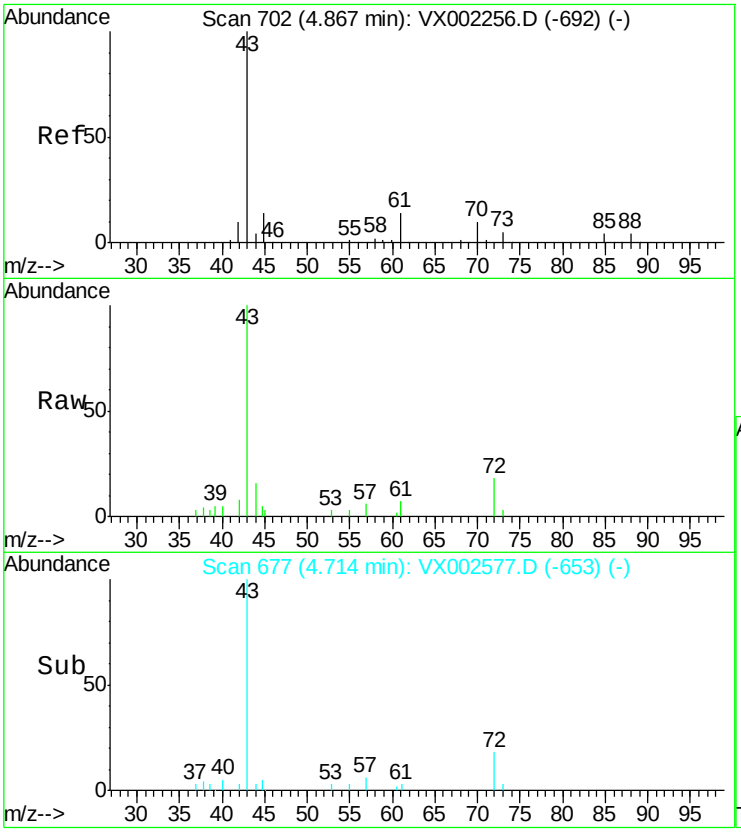




#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.15 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 75 Resp: 15806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 5.1 | 18.1 | 54.4# |
| 77 | 0.0 | 24.3 | 36.5# |



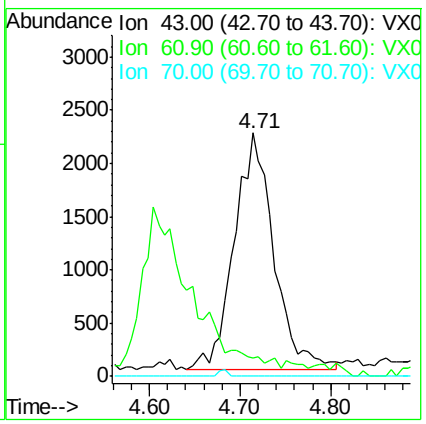


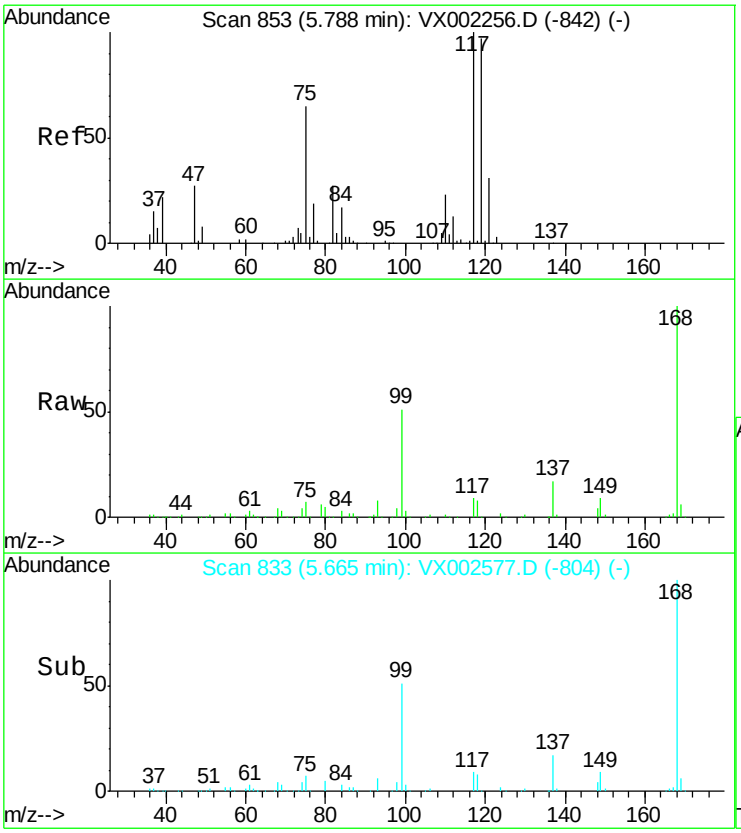

#37
Ethyl Acetate
Concen: 1.67 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.15 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 43 Resp: 6749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 10.4 | 15.6# |
| 70 | 0.0 | 7.6 | 11.4# |

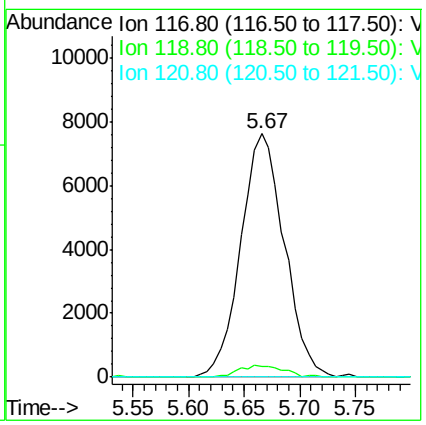


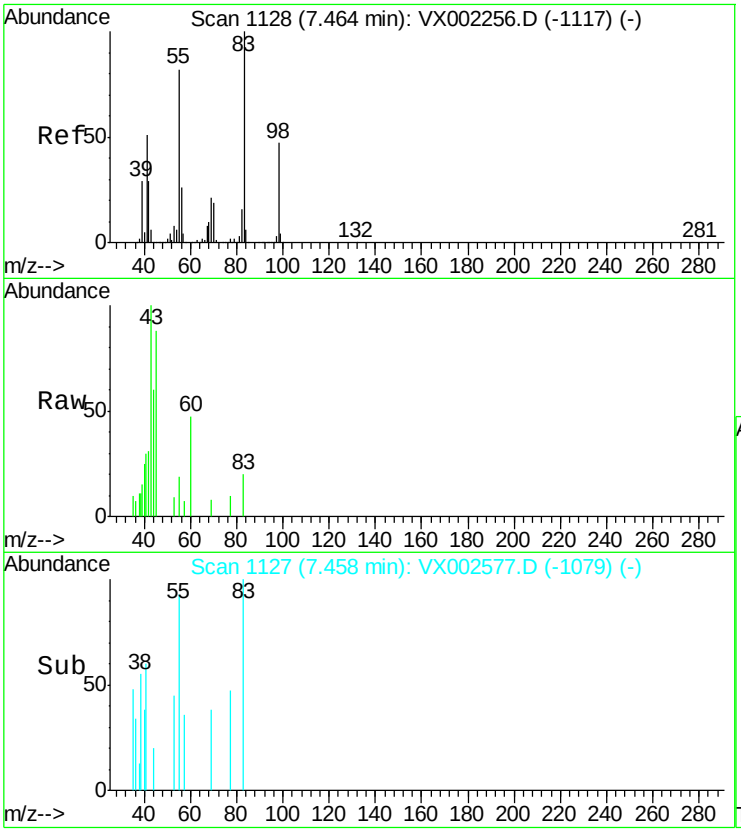




#38
Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion:117 Resp: 20768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.6 | 77.4 | 116.0# |
| 121 | 0.0 | 24.4 | 36.6# |



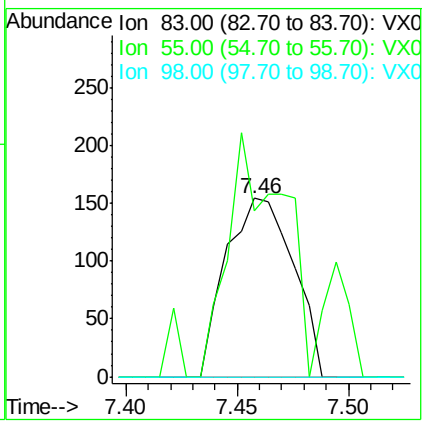


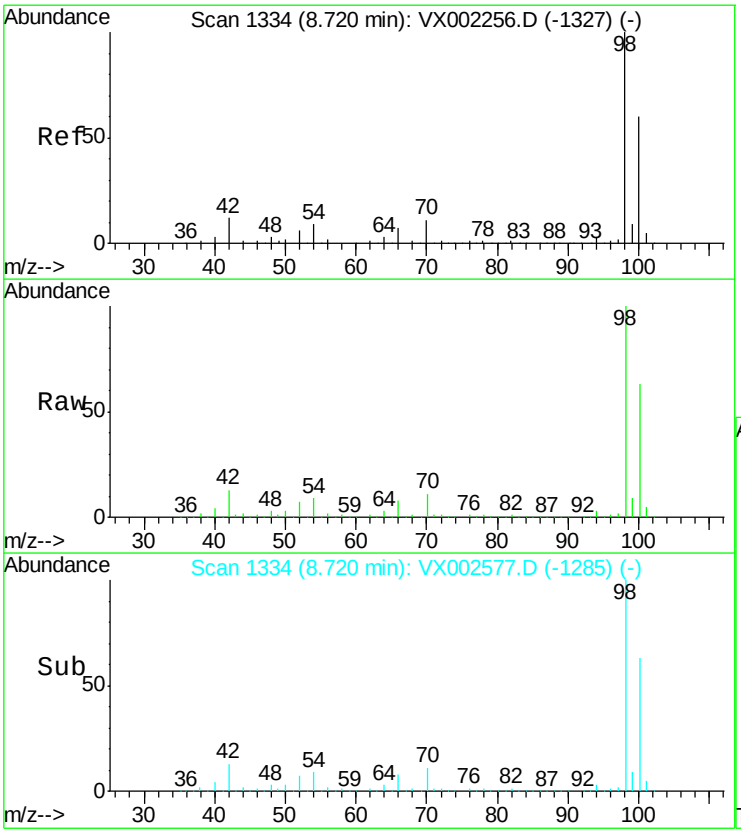

#39
Methylcyclohexane
Concen: 0.34 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 83 Resp: 324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 92.9 | 65.4 | 98.0 |
| 98 | 0.0 | 37.4 | 56.0# |

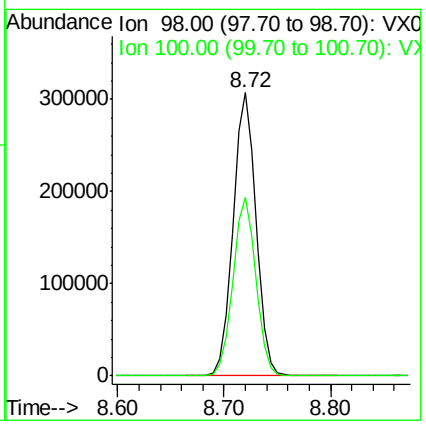


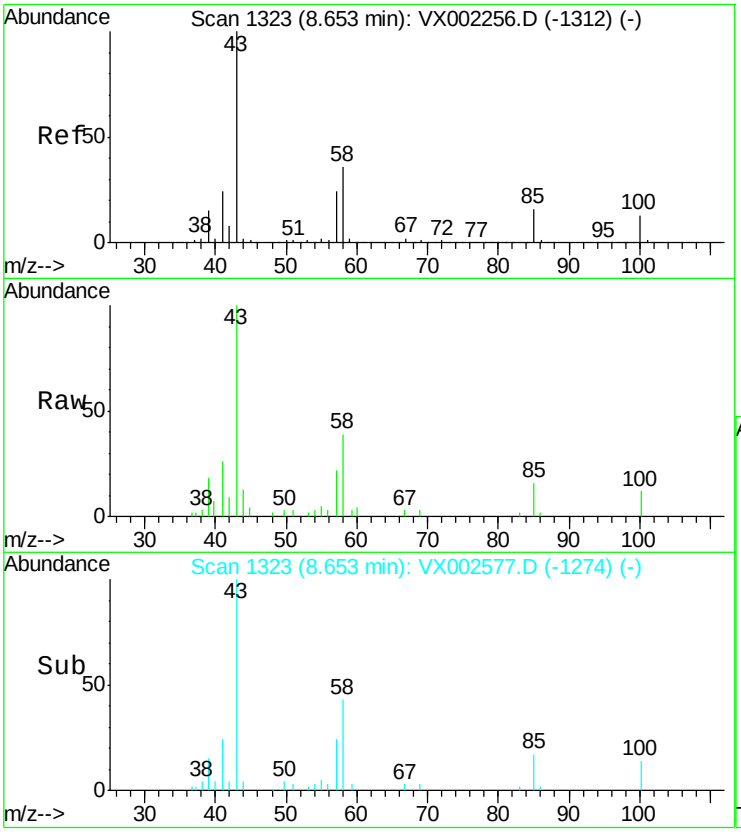




#50
Toluene-d8
Concen: 48.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 98 Resp: 465351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.7 | 50.9 | 76.3 |



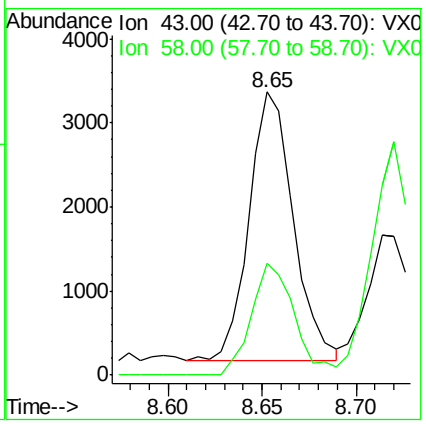


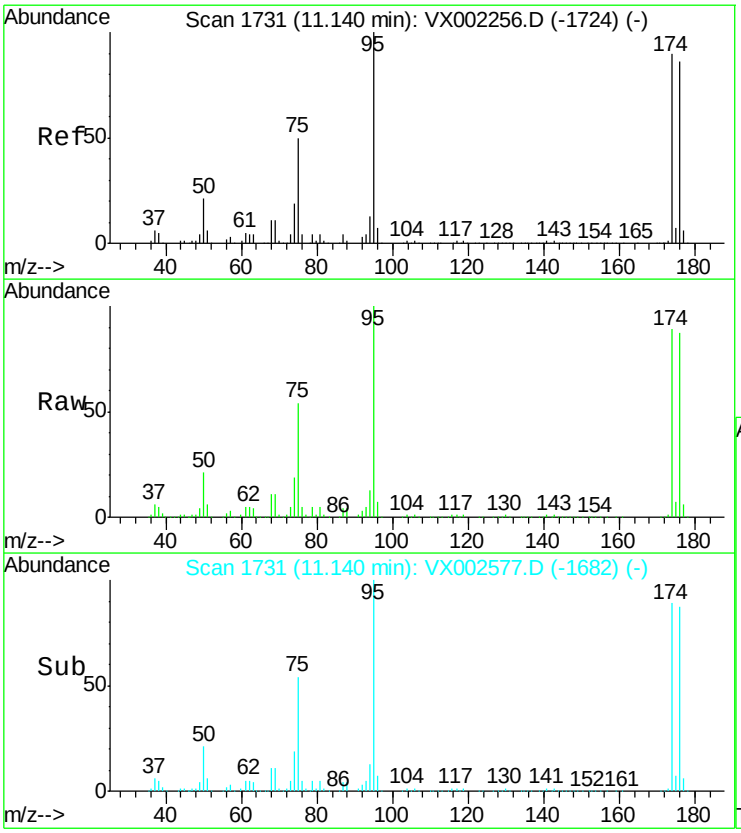

#51
4-Methyl-2-Pentanone
Concen: 1.21 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 43 Resp: 5188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.6 | 28.6 | 42.8 |

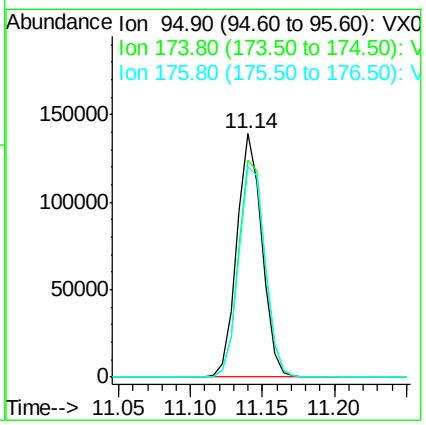


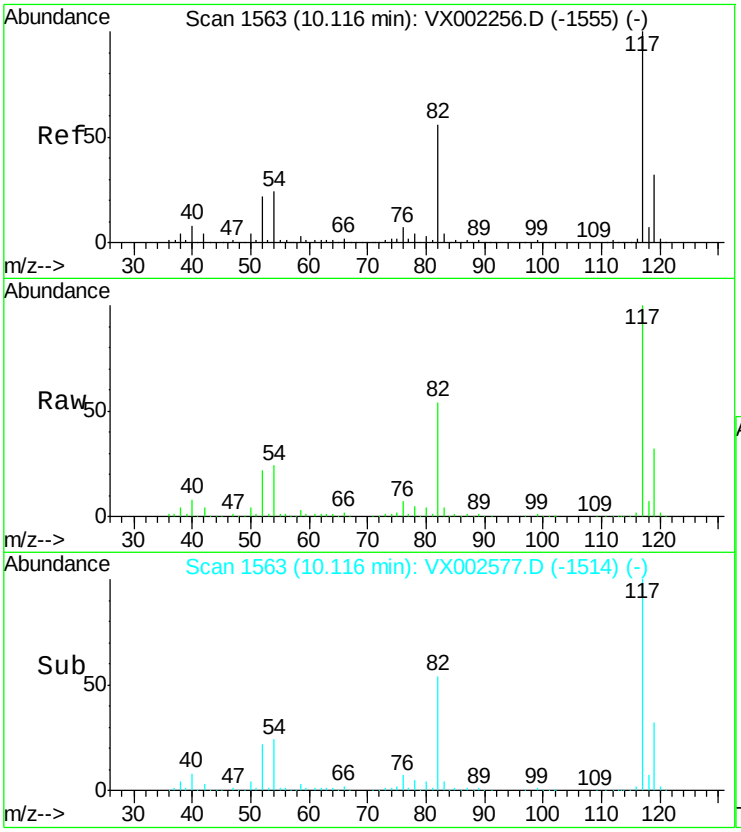




#62
4-Bromofluorobenzene
Concen: 45.39 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 95 Resp: 168996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.1 | 0.0 | 187.4 |
| 176 | 90.8 | 0.0 | 181.0 |



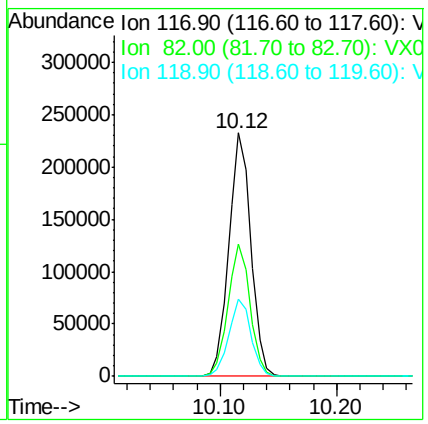


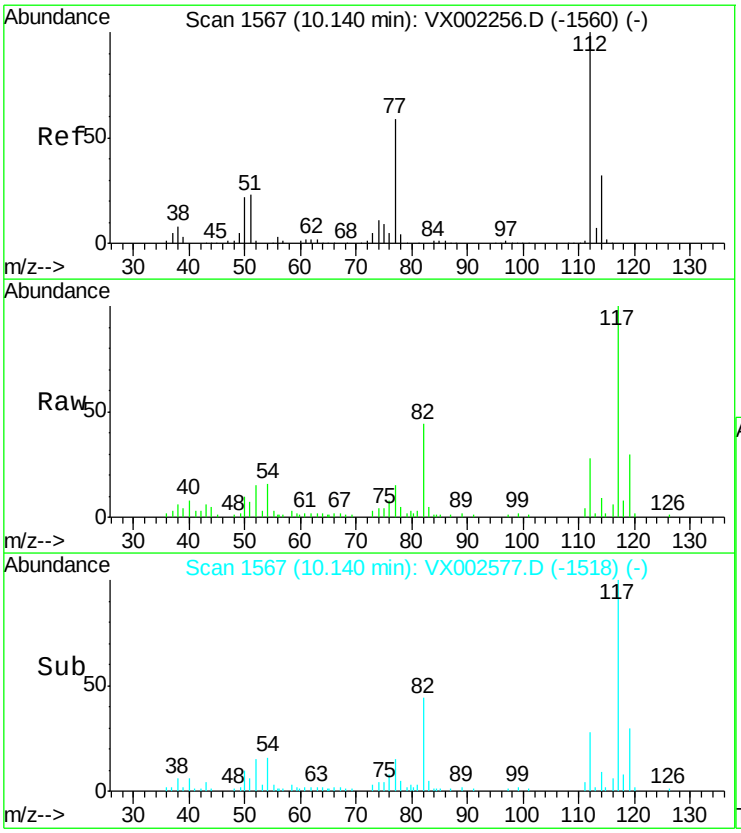

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion:117 Resp: 306303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 45.0 | 67.4 |
| 119 | 31.7 | 25.8 | 38.6 |

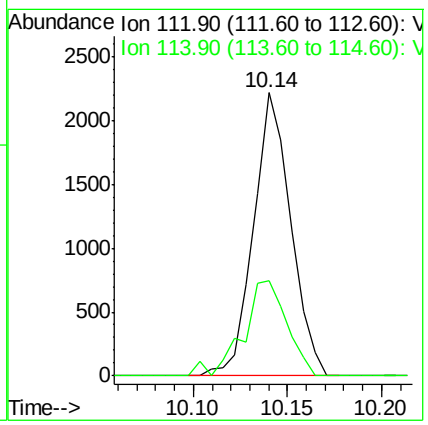


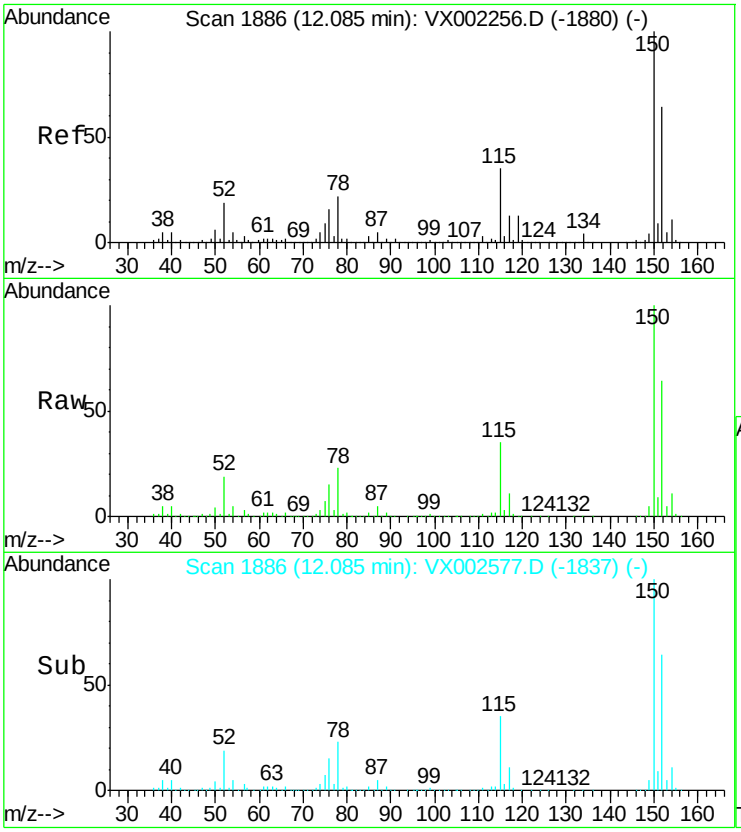




#65
Chlorobenzene
Concen: 0.40 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion:112 Resp: 3034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.6 | 25.3 | 37.9 |



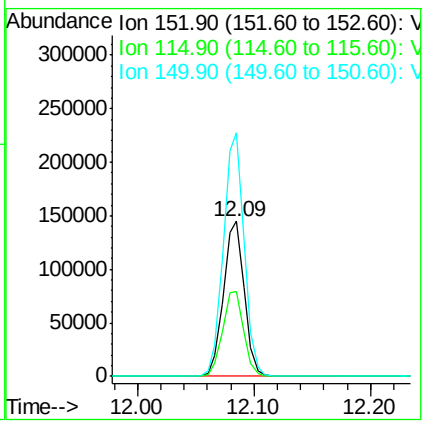


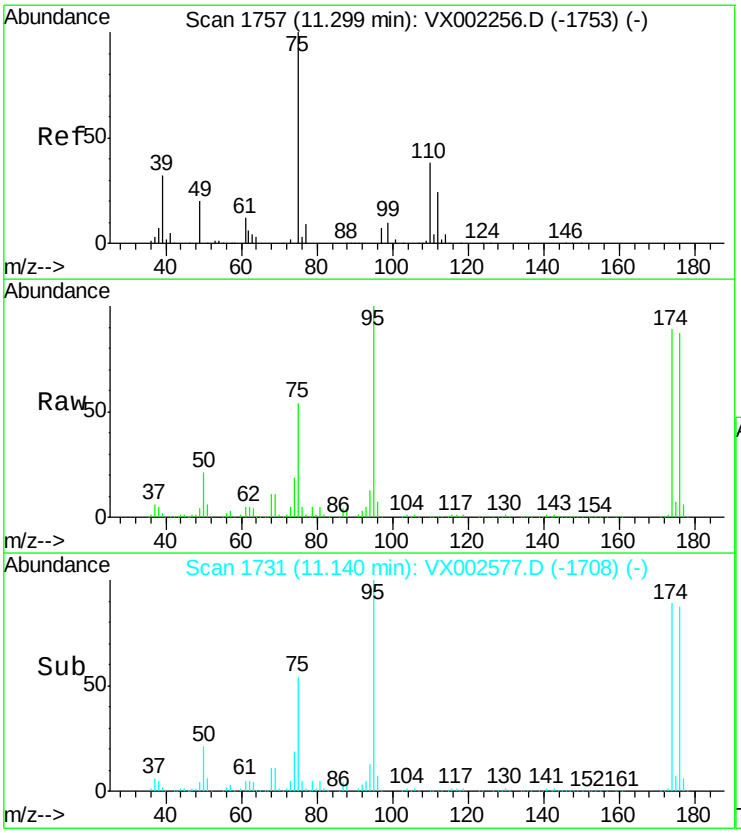

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion:152 Resp: 177403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.6 | 40.1 | 120.2 |
| 150 | 157.1 | 0.0 | 347.2 |

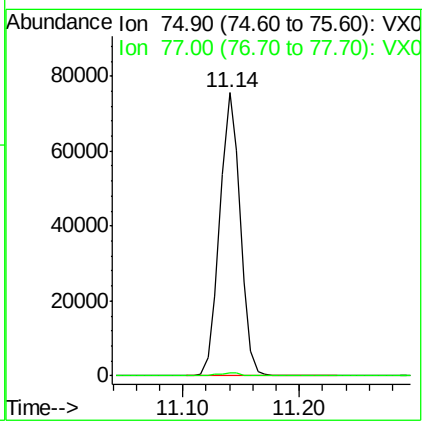


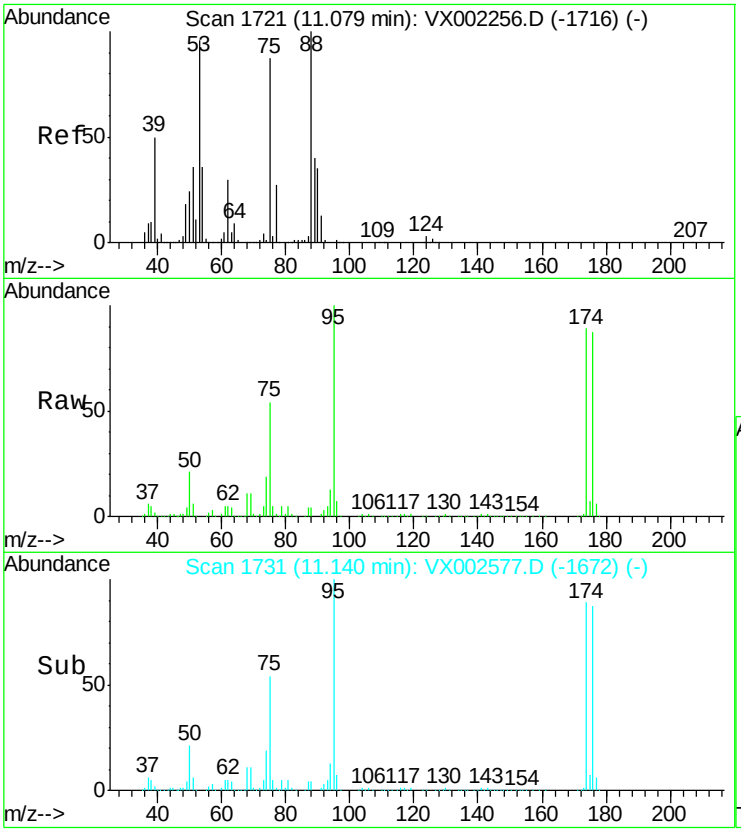




#76
1,2,3-Trichloropropane
Concen: 23.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

Tgt Ion: 75 Resp: 91893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 22.8 | 68.3# |






#81
trans-1,4-Dichloro-2-butene
Concen: 82.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002577.D
Acq: 15 Jun 2018 03:23

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

Tgt Ion: 75 Resp: 91893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 86.8 | 130.2# |
| 89 | 0.0 | 38.2 | 57.2# |