Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006676.D
Acq On : 20 Dec 2018 15:21
Operator : JC/MD
Sample : J6484-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 21 03:31:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 628490 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 996831 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 919226 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 441570 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 344074 | 50.80 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.60% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 294452 | 46.71 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.42% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1180823 | 49.69 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.38% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 429868 | 49.39 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.78% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.64 | 94 | 693 | Below Cal | # | 67 |
| 6) Chloroethane | 1.69 | 64 | 1141 | 0.255 | ug/l # | 49 |
| 11) Tert butyl alcohol | 3.07 | 59 | 2578 | 1.705 | ug/l # | 92 |
| 16) Acetone | 2.45 | 43 | 11850 | 3.808 | ug/l | 94 |
| 25) 2-Butanone | 4.70 | 43 | 3851 | 0.880 | ug/l # | 70 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 5142 | 0.749 | ug/l | 88 |
| 28) Bromochloromethane | 5.03 | 49 | 308 | Below Cal | # | 38 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 42866 | 5.192 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 60532 | 7.544 | ug/l # | 13 |
| 44) Trichloroethene | 7.21 | 130 | 7619 | 1.003 | ug/l | 90 |
| 49) 1,4-Dioxane | 7.71 | 88 | 113 | Below Cal | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1832 | 0.220 | ug/l # | 82 |
| 60) Dibromochloromethane | 9.34 | 129 | 452082 | 64.431 | ug/l # | 10 |
| 64) Tetrachloroethene | 9.34 | 164 | 477593 | 65.614 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 199681 | 24.333 | ug/l # | 40 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 199681 | 72.016 | ug/l # | 10 |
| 90) Hexachloroethane | 12.46 | 117 | 48 | 3.304 | ug/l | 54 |

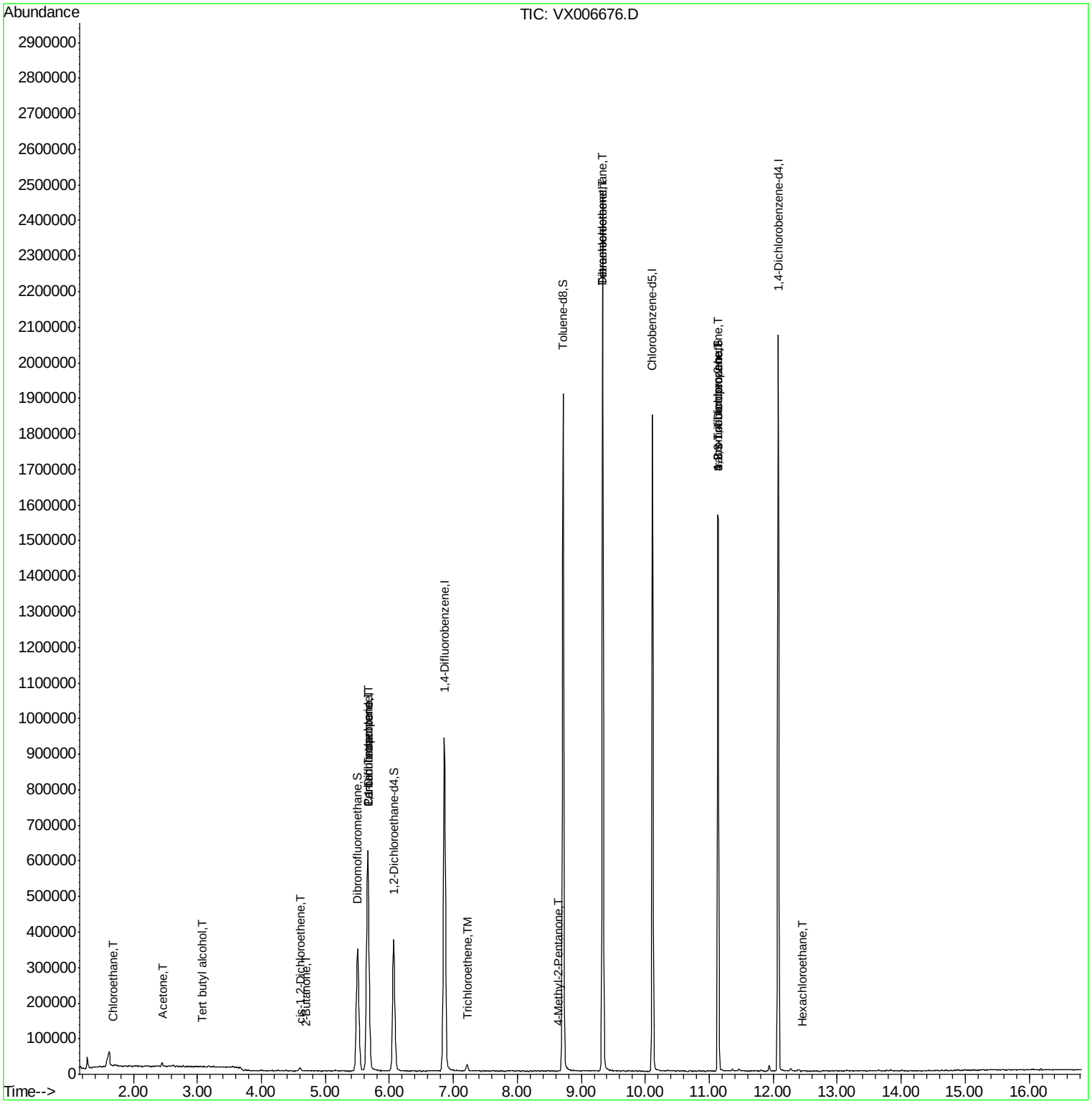
(#) = qualifier out of range (m) = manual integration (+) = signals summed

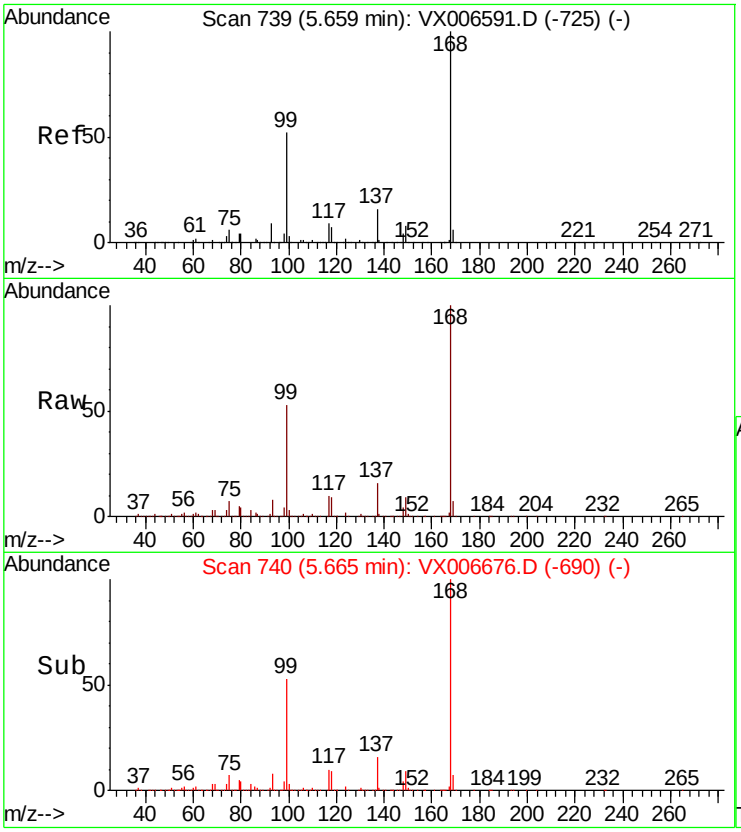
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122018\
Data File : VX006676.D
Acq On : 20 Dec 2018 15:21
Operator : JC/MD
Sample : J6484-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 21 03:31:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration



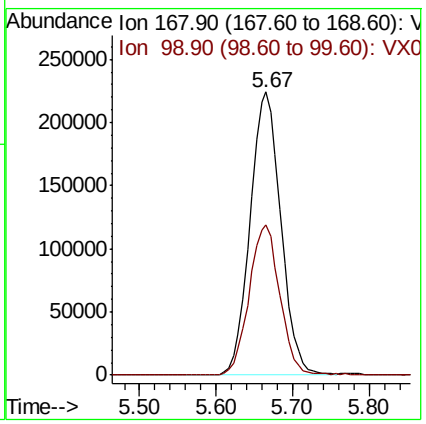


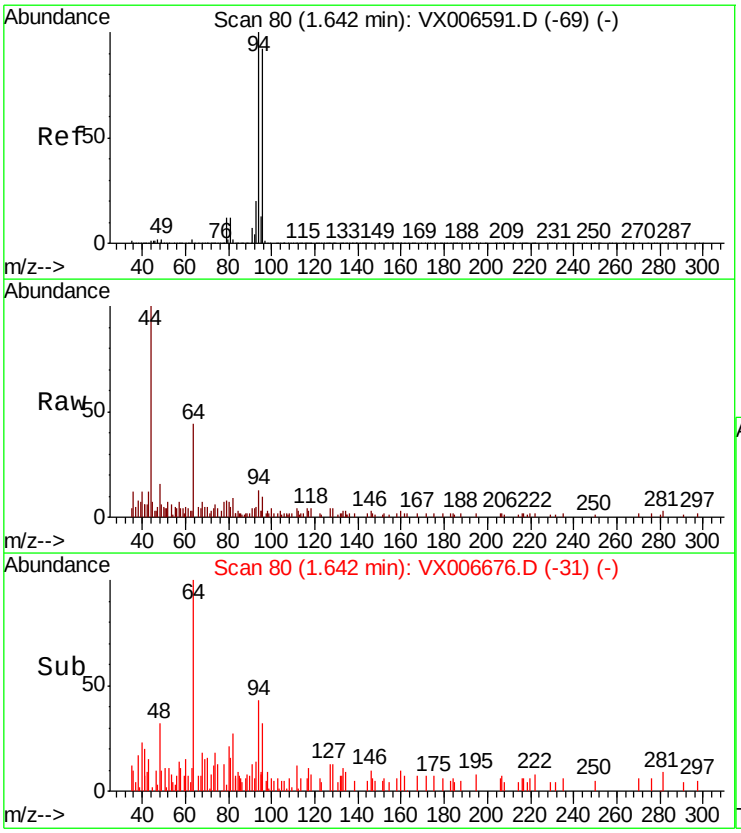

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion:168 Resp: 628490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.0 | 41.8 | 62.8 |

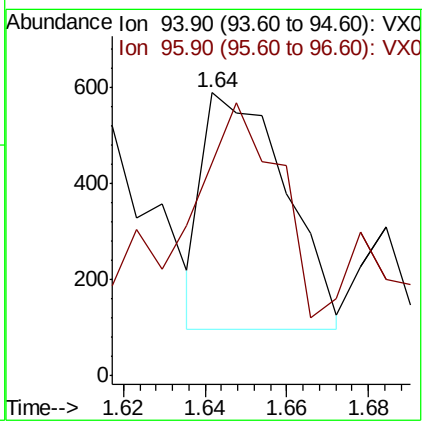


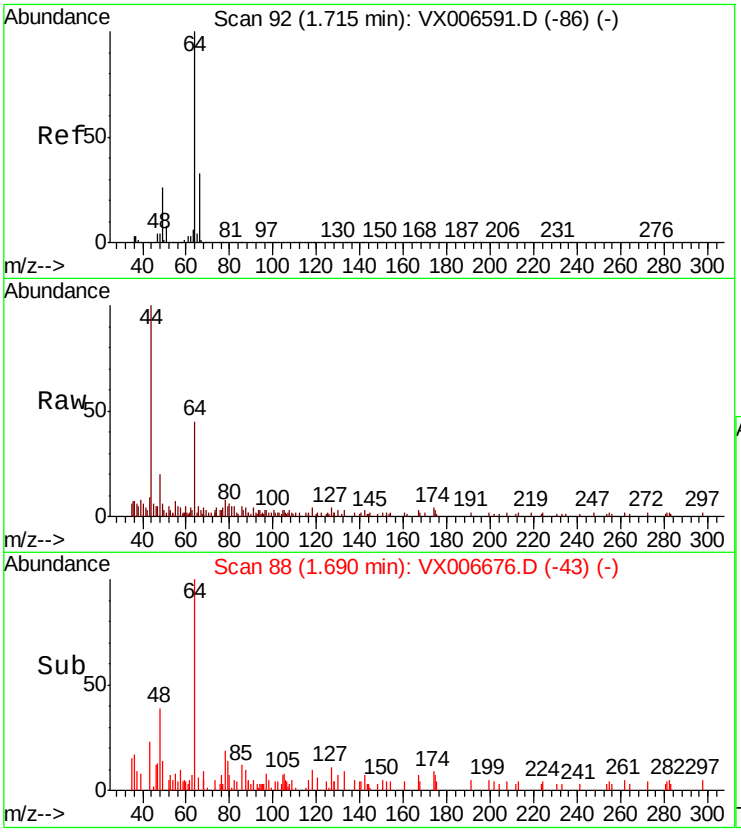




#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 80
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 94 Resp: 693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 60.7 | 73.4 | 110.2# |



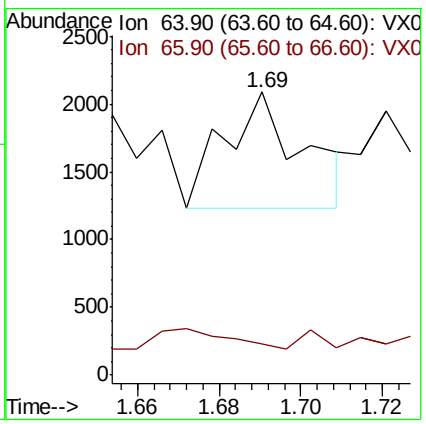


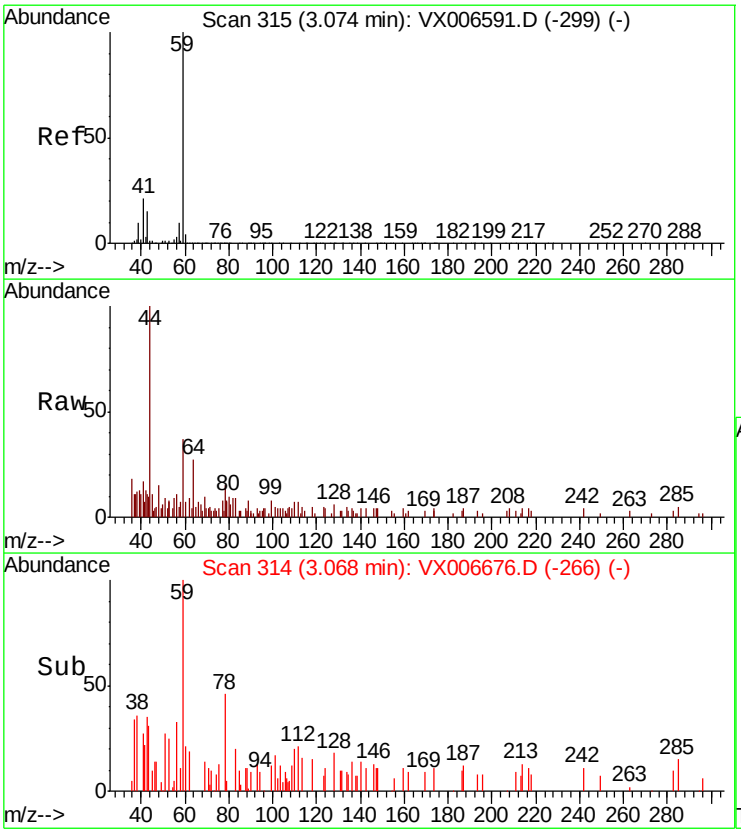

#6
Chloroethane
Concen: 0.255 ug/l
RT: 1.69 min Scan# 88
Delta R.T. -0.02 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 64 Resp: 1141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 4.2 | 26.4 | 39.6# |

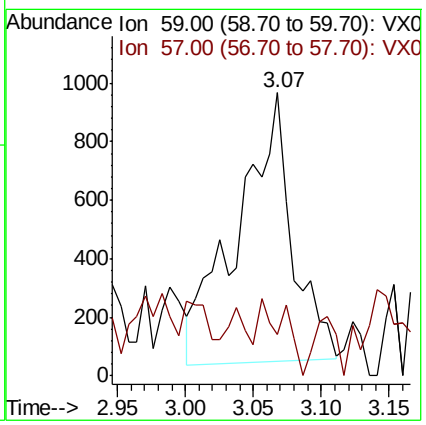


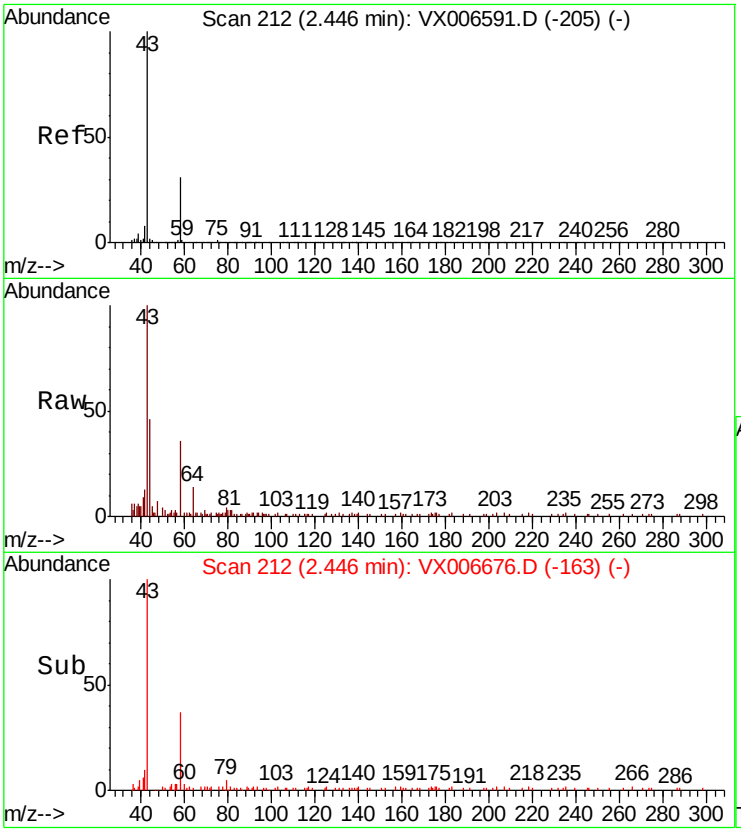




#11
Tert butyl alcohol
Concen: 1.705 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 59 Resp: 2578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 13.7 | 8.5 | 12.7# |



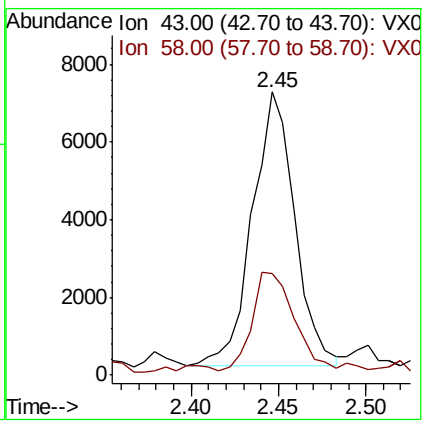


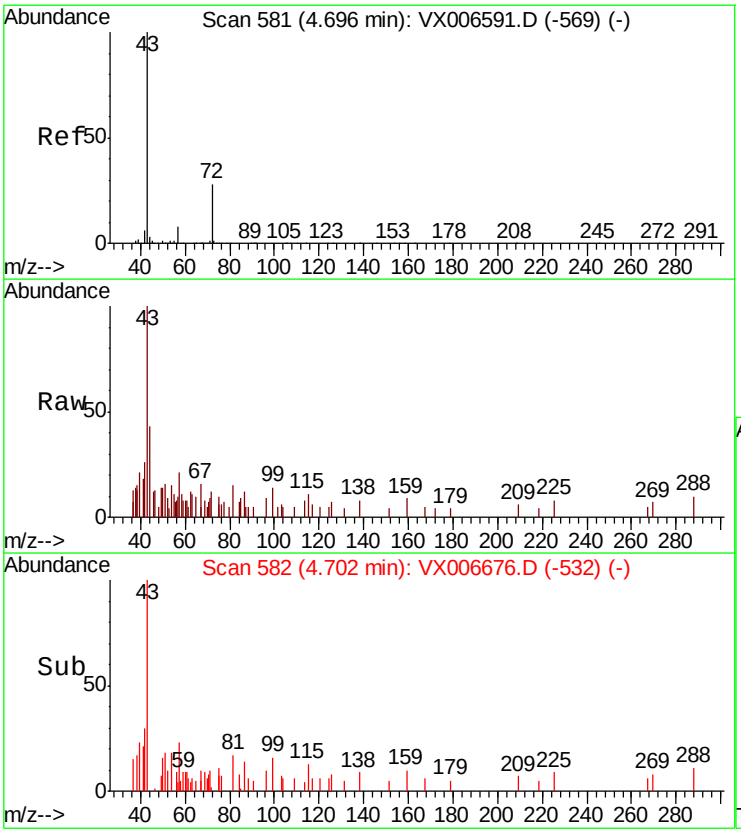

#16
Acetone
Concen: 3.808 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 43 Resp: 11850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.6 | 25.0 | 37.6 |

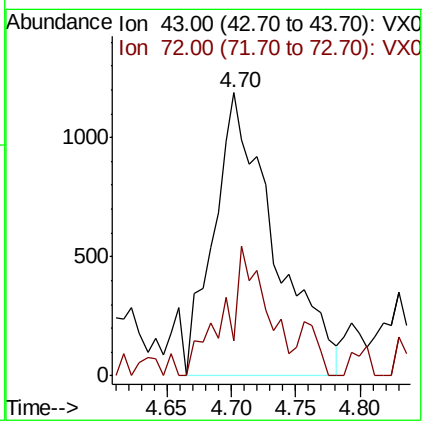


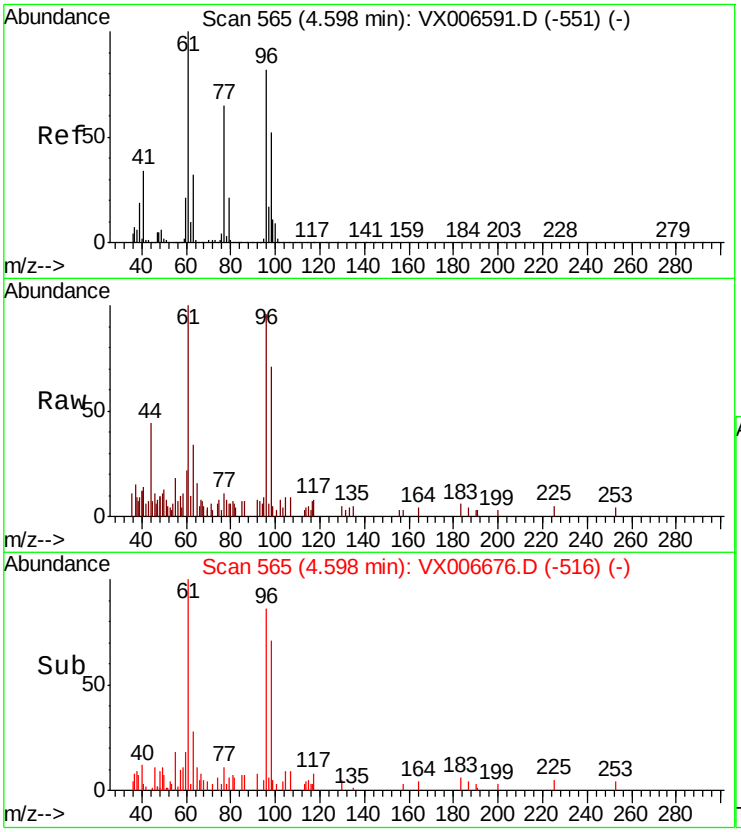




#25
2-Butanone
Concen: 0.880 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 43 Resp: 3851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 12.3 | 22.4 | 33.6# |



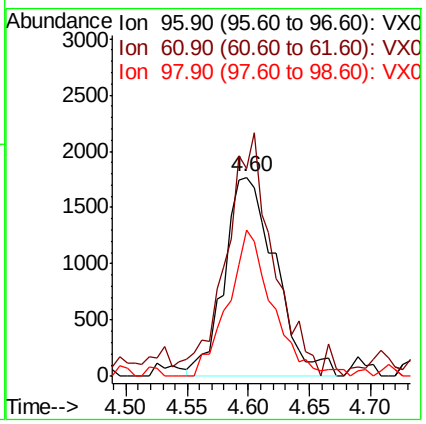


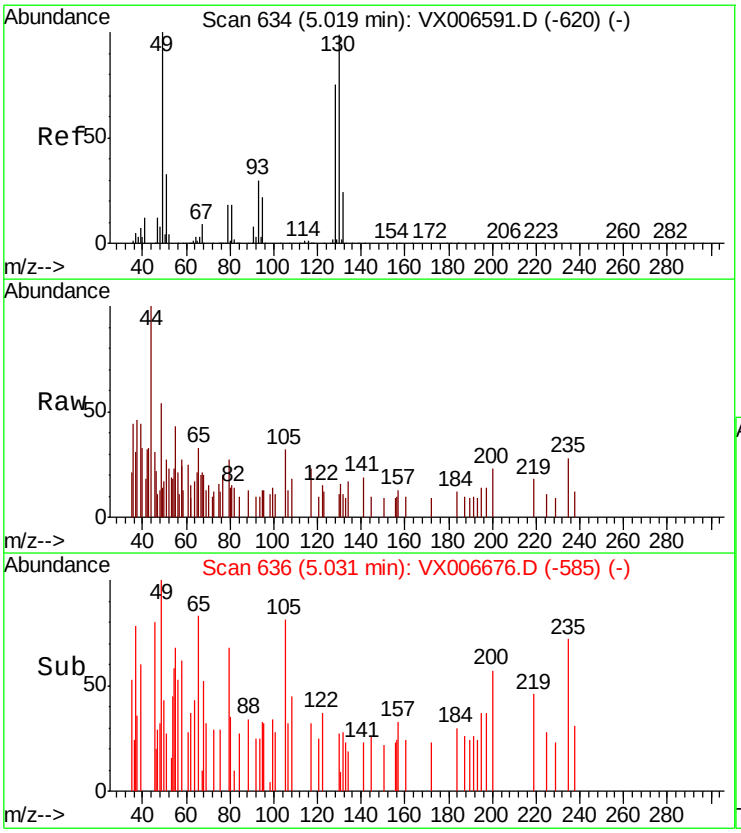

#27
cis-1,2-Dichloroethene
Concen: 0.749 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 96 Resp: 5142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 110.6 | 0.0 | 258.6 |
| 98 | 63.9 | 0.0 | 132.0 |

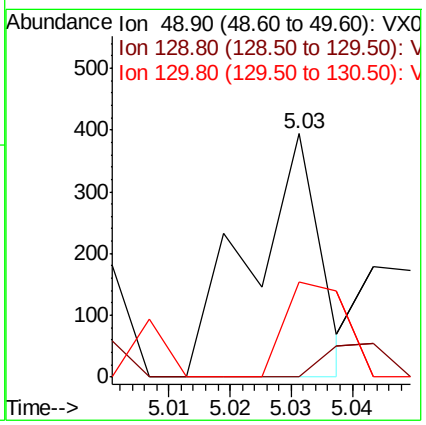


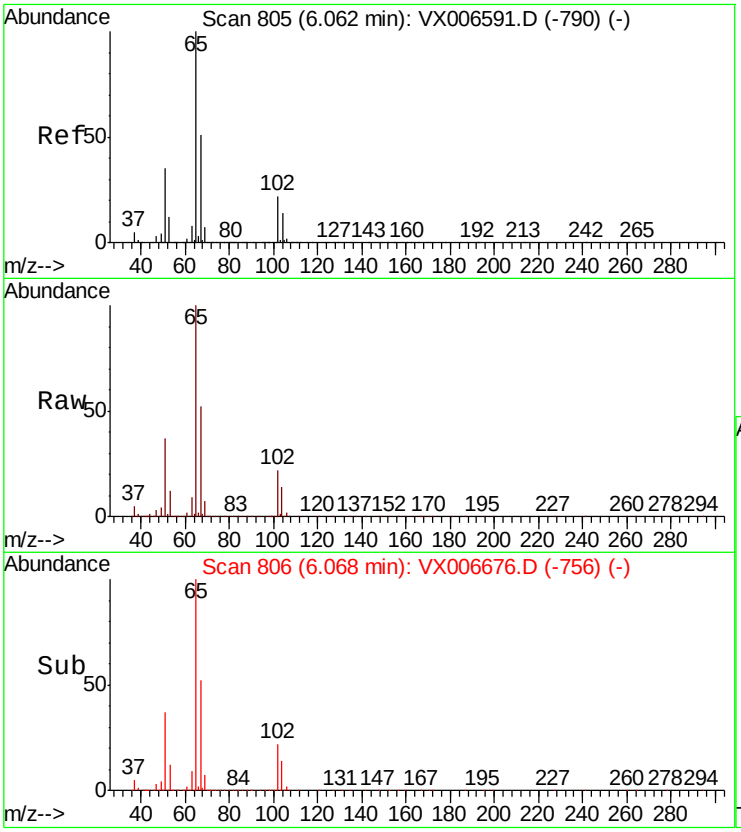




#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 49 Resp: 308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 12.7 | 0.0 | 5.4# |
| 130 | 34.7 | 77.7 | 116.5# |



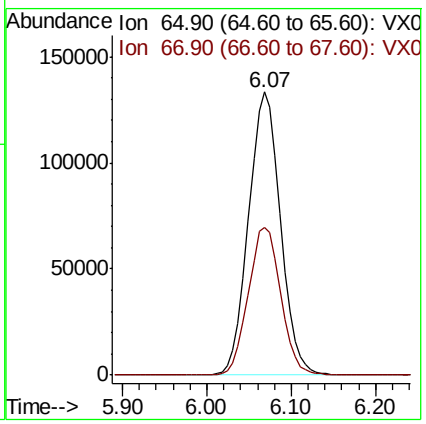


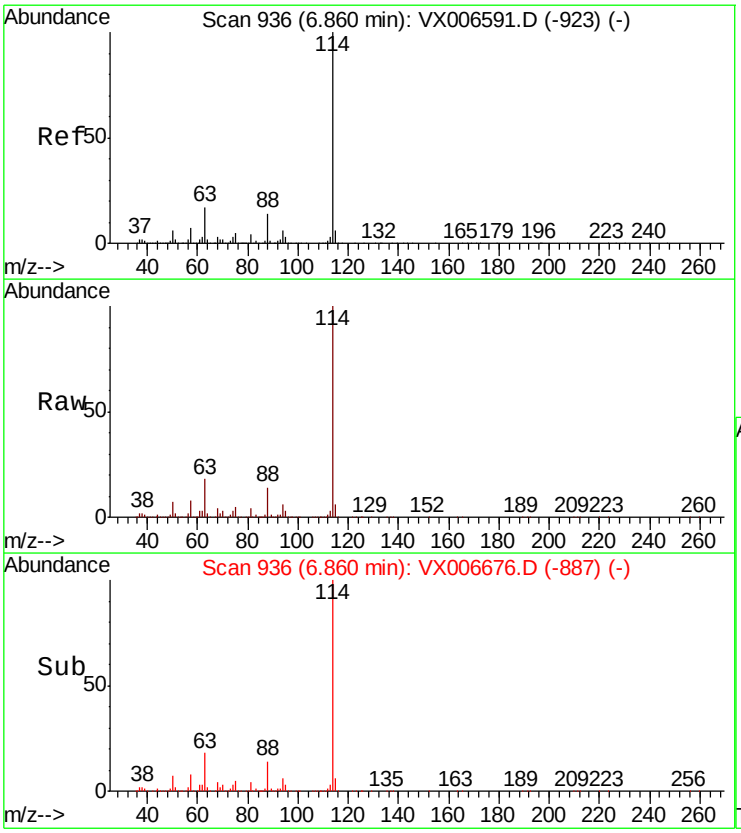

#33
1,2-Dichloroethane-d4
Concen: 50.796 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 65 Resp: 344074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 105.0 |

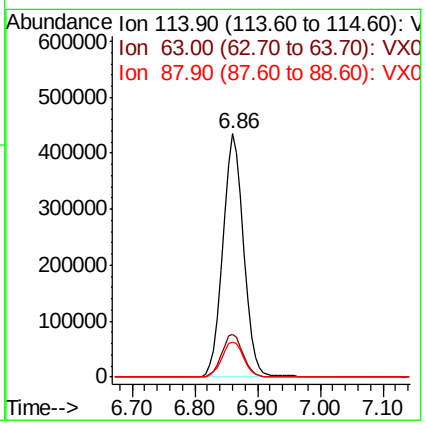


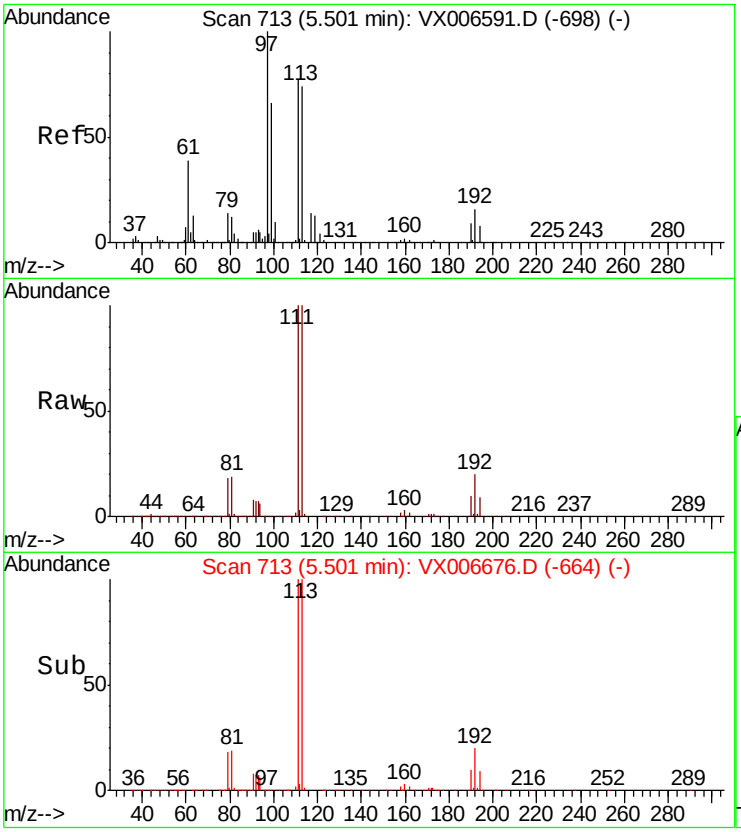




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion:114 Resp: 996831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.7 | 0.0 | 34.8 |
| 88 | 14.4 | 0.0 | 28.8 |



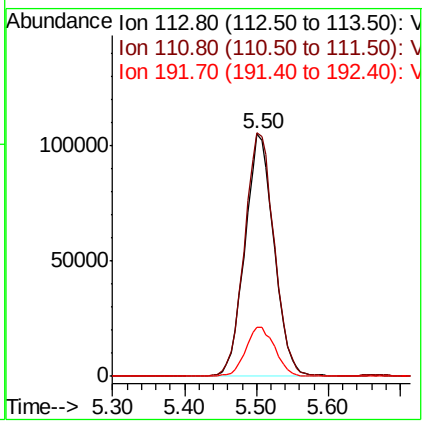


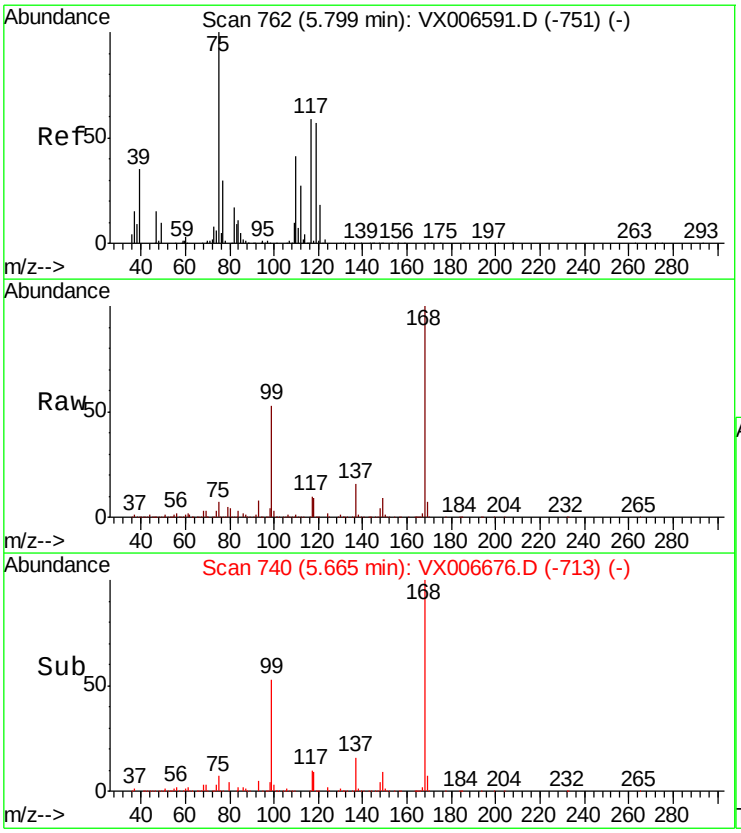

#35
Dibromofluoromethane
Concen: 46.710 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion:113 Resp: 294452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 81.6 | 122.4 |
| 192 | 20.4 | 16.7 | 25.1 |

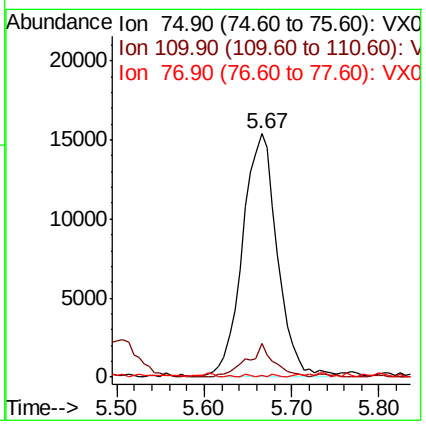


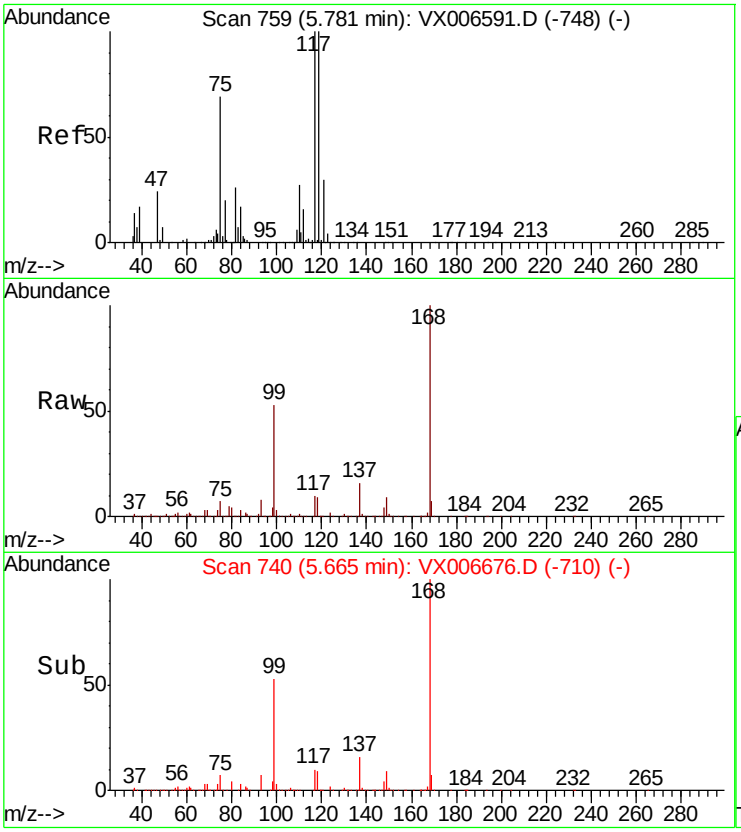




#36
1,1-Dichloropropene
Concen: 5.192 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 75 Resp: 42866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.6 | 20.2 | 60.5# |
| 77 | 0.4 | 24.8 | 37.2# |



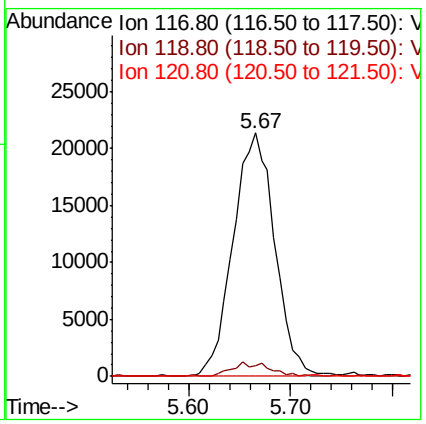


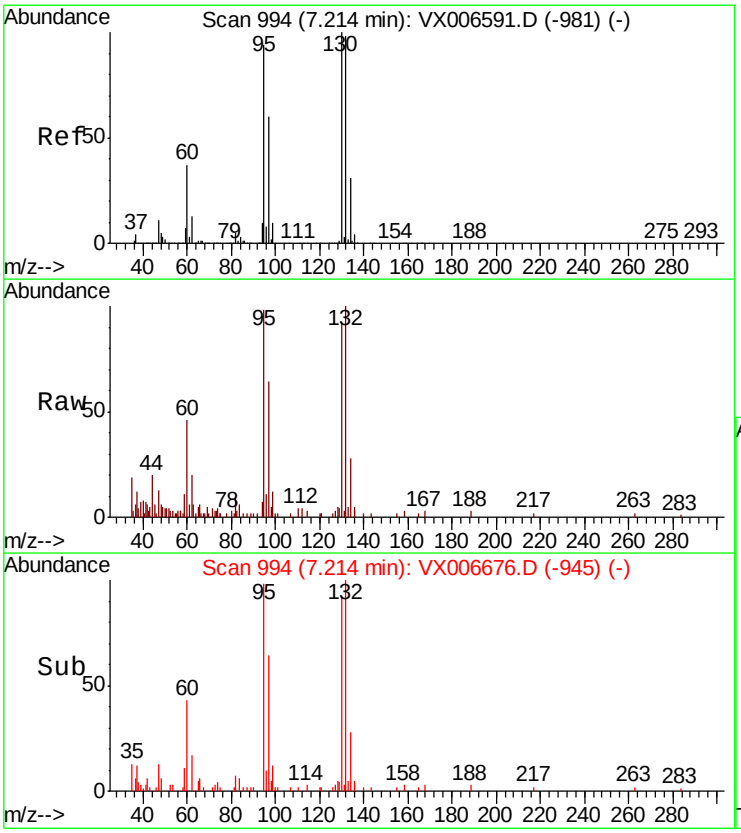

#38
Carbon Tetrachloride
Concen: 7.544 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion:117 Resp: 60532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.7 | 79.4 | 119.2# |
| 121 | 0.0 | 24.0 | 36.0# |

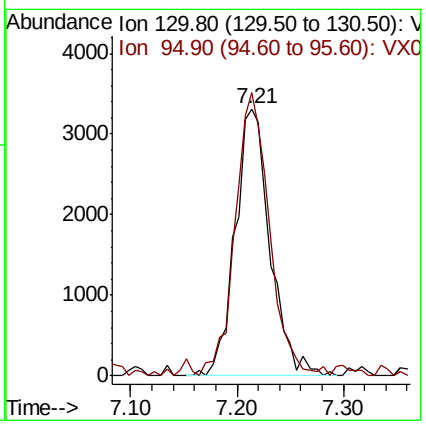


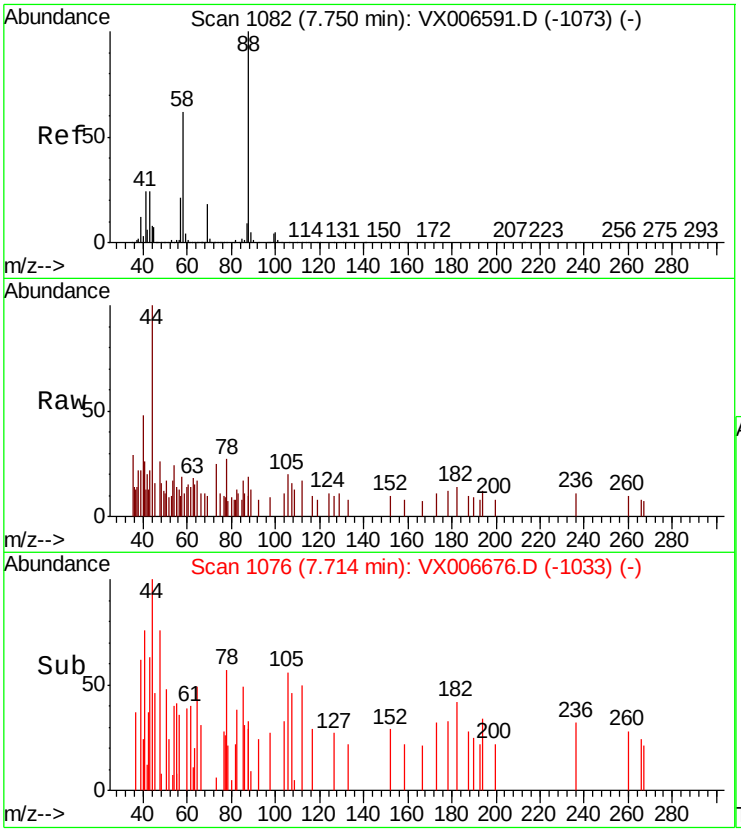




#44
Trichloroethene
Concen: 1.003 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion:130 Resp: 7619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.8 | 0.0 | 187.0 |



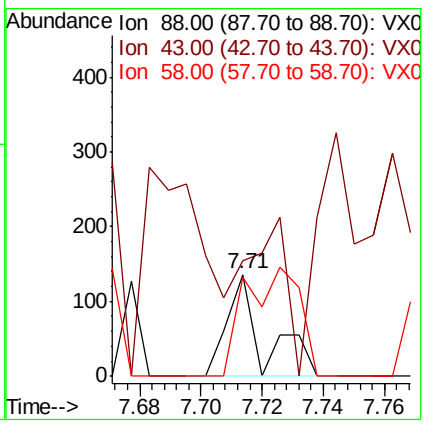


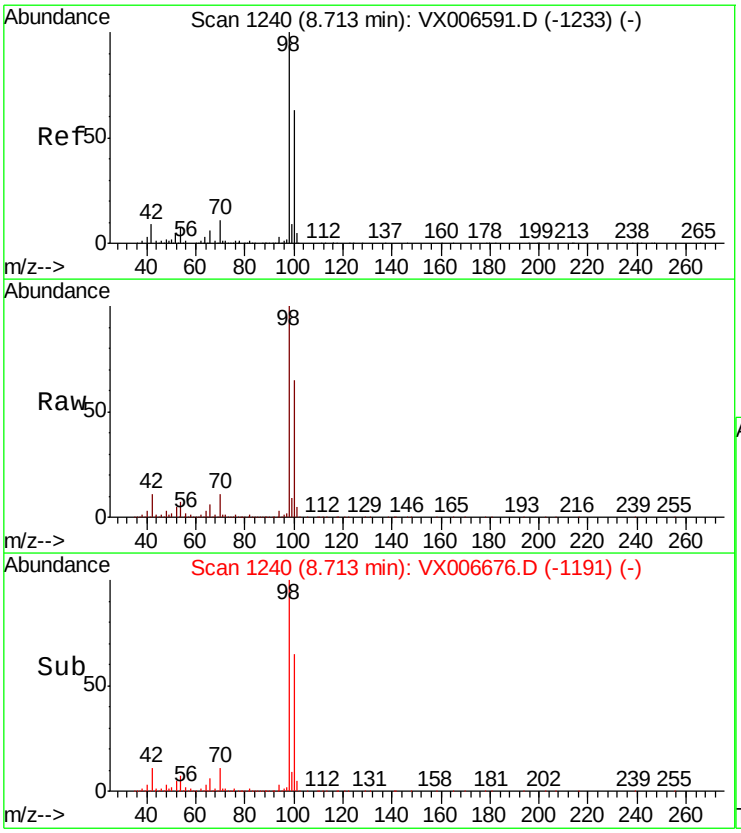

#49
1,4-Dioxane
Concen: Below Cal
RT: 7.71 min Scan# 1076
Delta R.T. -0.04 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 88 Resp: 113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 171.7 | 22.2 | 33.4# |
| 58 | 158.4 | 51.0 | 76.4# |

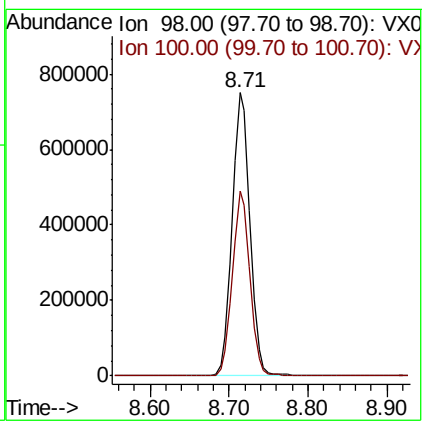


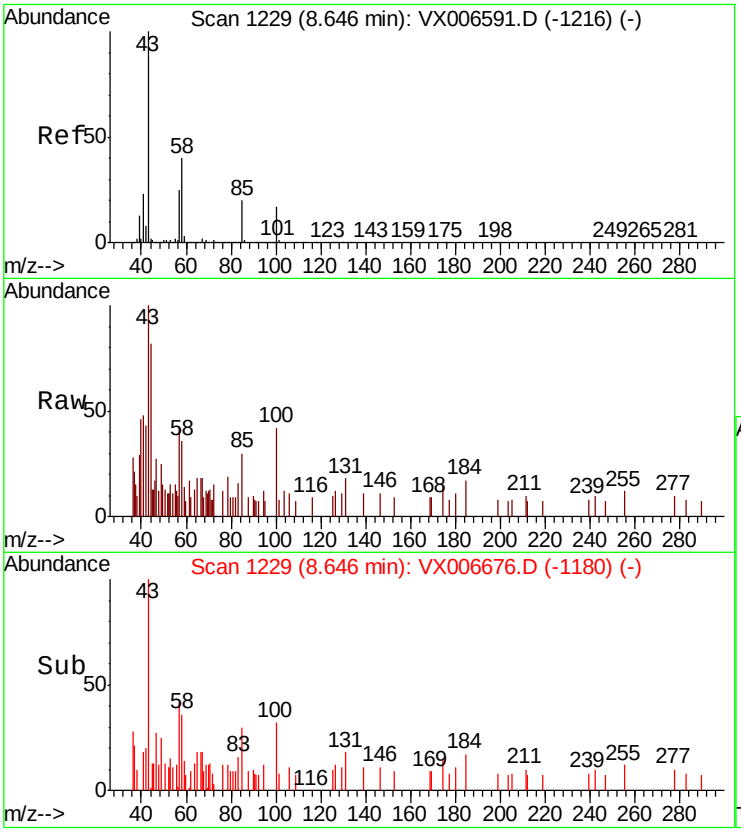




#50
Toluene-d8
Concen: 49.687 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 98 Resp: 1180823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 52.0 | 78.0 |



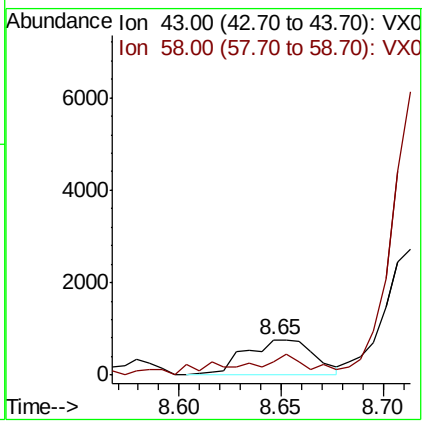


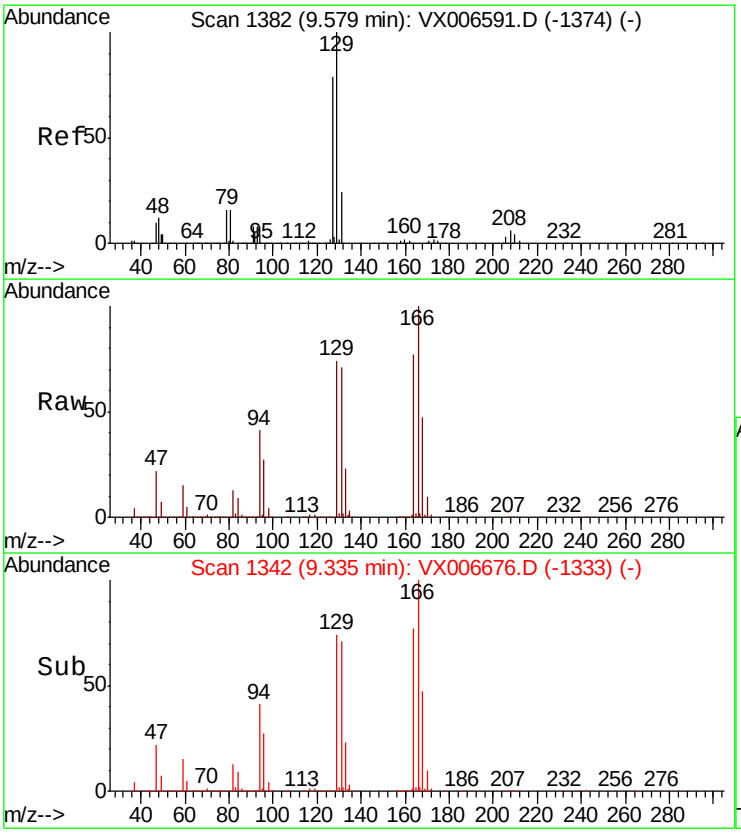

#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 43 Resp: 1832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 31.8 | 47.6# |

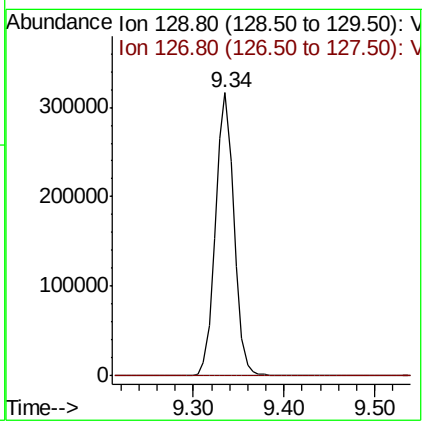


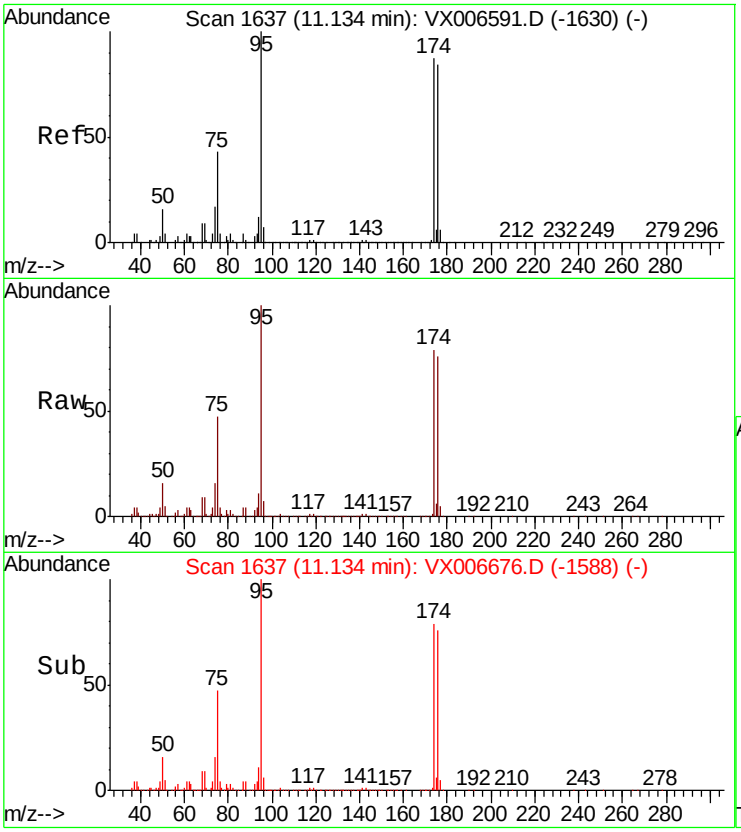




#60
Dibromochloromethane
Concen: 64.431 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion:129 Resp: 452082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.2 | 39.3 | 117.8# |



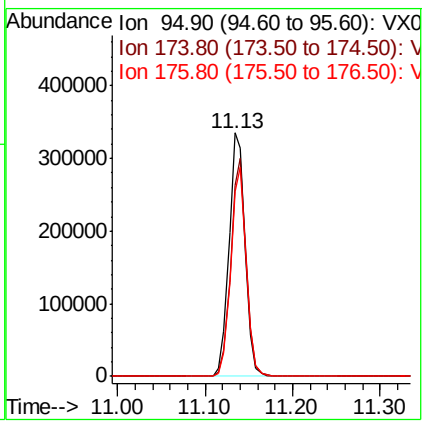


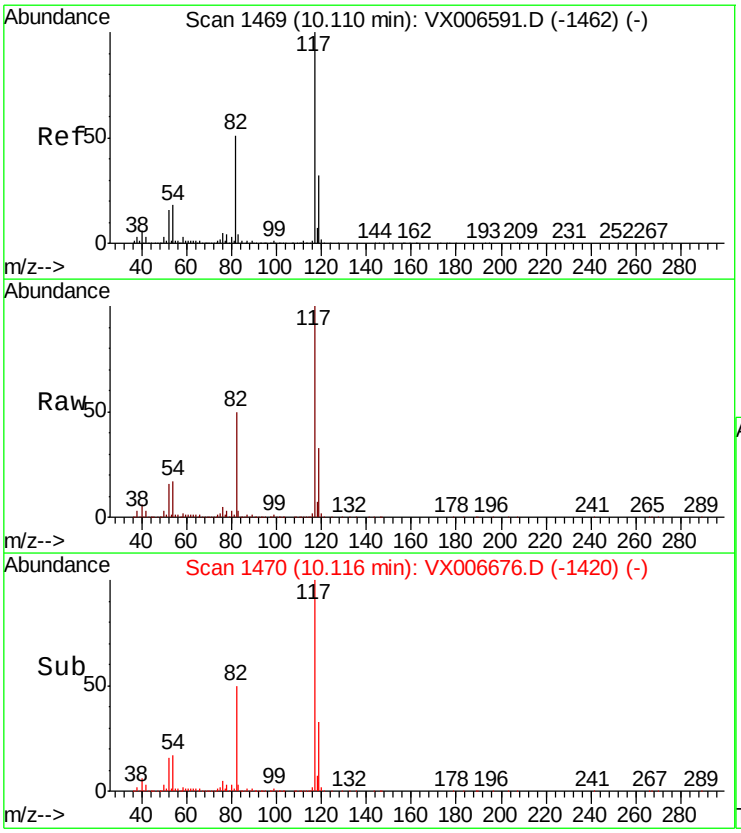

#62
4-Bromofluorobenzene
Concen: 49.388 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 95 Resp: 429868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.4 | 0.0 | 182.2 |
| 176 | 83.0 | 0.0 | 178.8 |

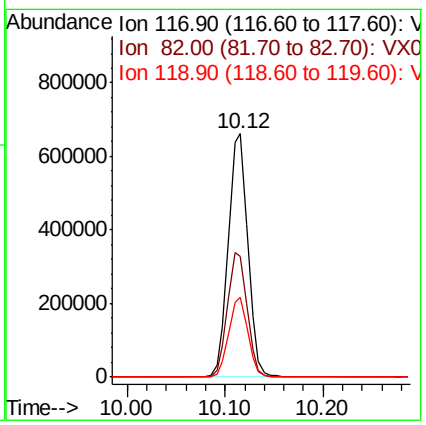


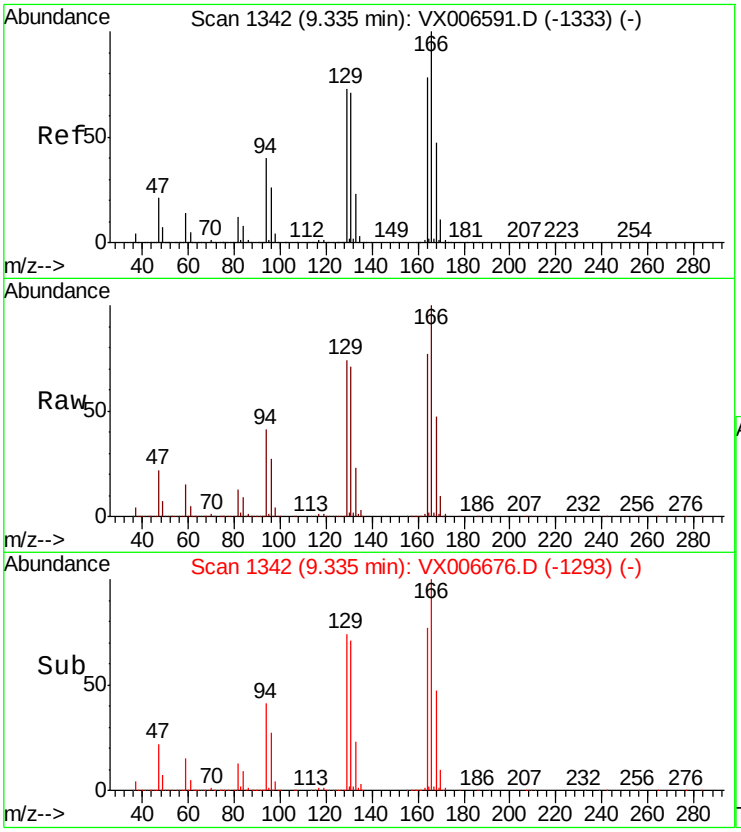




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion:117 Resp: 919226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.8 | 41.0 | 61.6 |
| 119 | 32.6 | 25.4 | 38.0 |



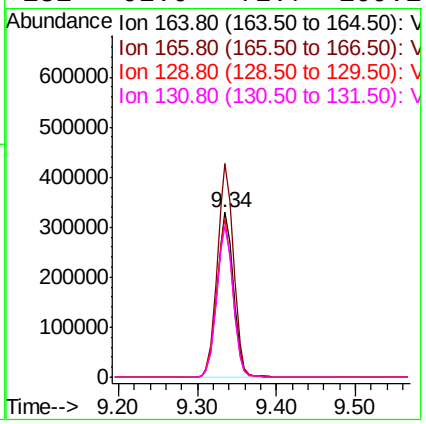


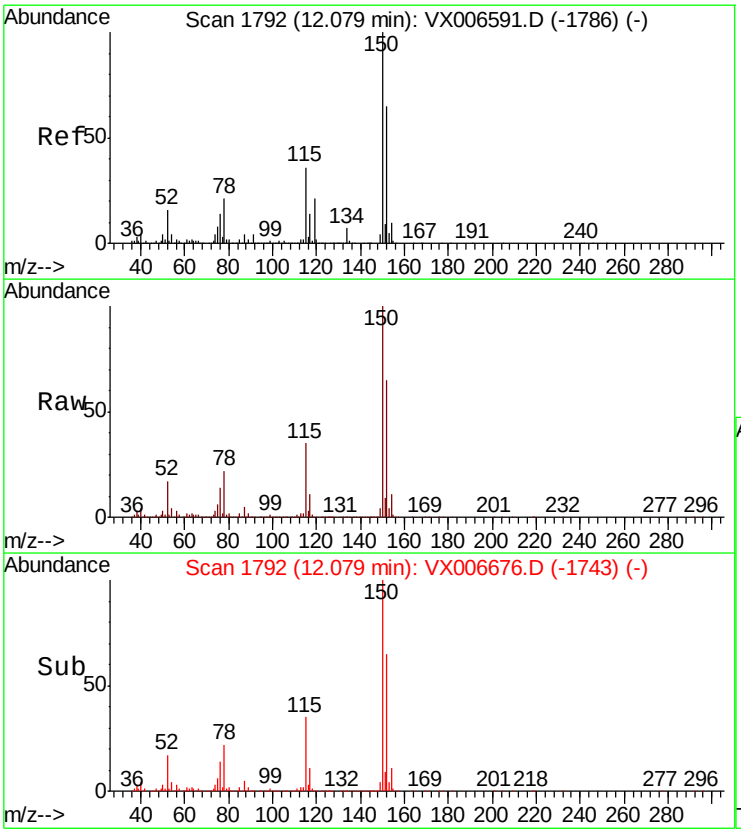

#64
Tetrachloroethene
Concen: 65.614 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion:164 Resp: 477593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.7 | 102.5 | 153.7 |
| 129 | 96.0 | 75.1 | 112.7 |
| 131 | 92.0 | 72.7 | 109.1 |

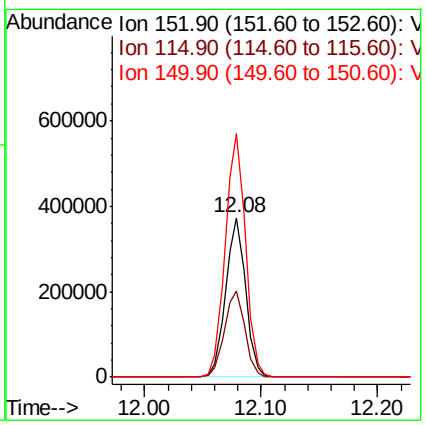


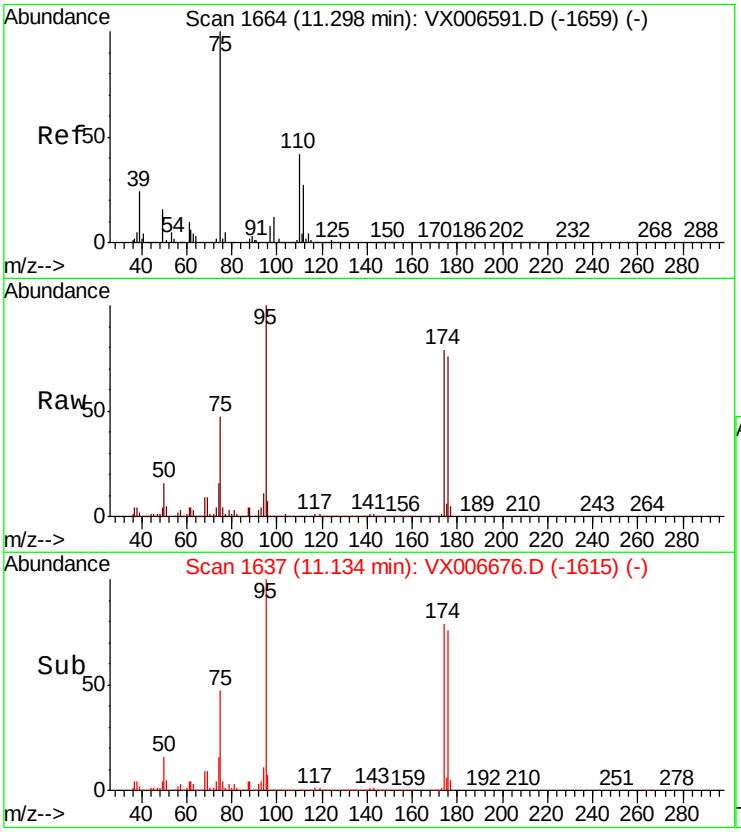




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion:152 Resp: 441570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.6 | 39.1 | 117.2 |
| 150 | 155.2 | 0.0 | 344.8 |



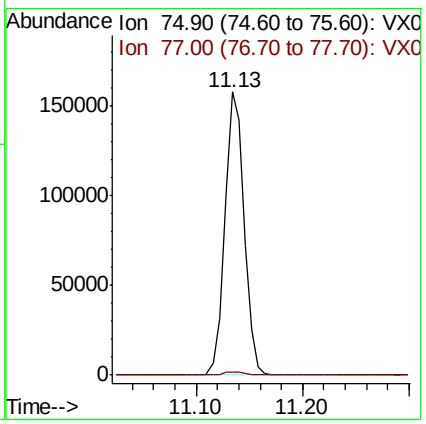


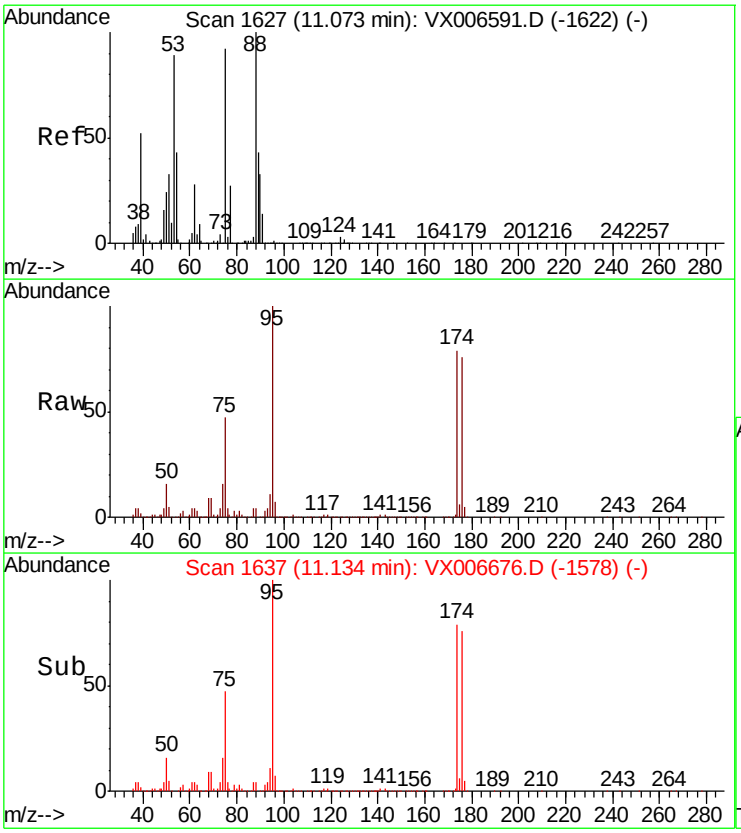

#76
1,2,3-Trichloropropane
Concen: 24.333 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion: 75 Resp: 199681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 18.5 | 55.5# |

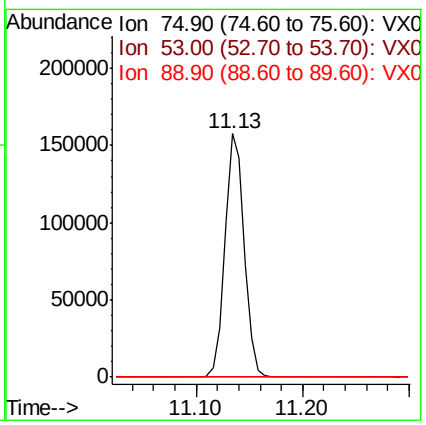


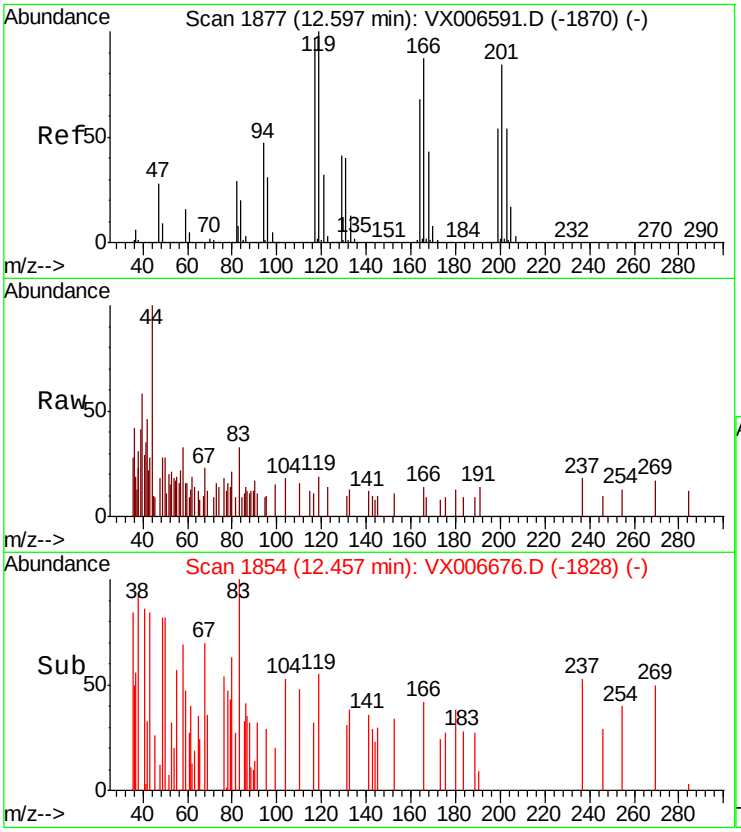




#81
trans-1,4-Dichloro-2-butene
Concen: 72.016 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 75 Resp: 199681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 79.7 | 119.5# |
| 89 | 0.1 | 38.0 | 57.0# |






#90
Hexachloroethane
Concen: 3.304 ug/l
RT: 12.46 min Scan# 1854
Delta R.T. -0.14 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

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

Tgt Ion:117 Resp: 48

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 43.8 | 42.9 | 128.7 |