Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
Data File : VX007763.D
Acq On : 28 Feb 2019 13:45
Operator : JC/SP
Sample : K1641-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB201-GW-460-462

Quant Time: Mar 01 01:30:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 315270 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 491756 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 467547 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 225616 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 190110 | 48.68 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.36% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 161560 | 49.15 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.30% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 600731 | 47.73 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.46% | | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 219943 | 47.62 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.24% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 783 | 0.243 | ug/l | | 91 |
| 5) Bromomethane | 1.65 | 94 | 402 | Below Cal | | | 97 |
| 6) Chloroethane | 1.52 | 64 | 16469 | 7.807 | ug/l | # | 52 |
| 7) Trichlorofluoromethane | 1.94 | 101 | 1243 | 0.246 | ug/l | | 90 |
| 11) Tert butyl alcohol | 3.03 | 59 | 7397 | 9.983 | ug/l | # | 79 |
| 13) Acrolein | 2.31 | 56 | 511 | 0.776 | ug/l | # | 74 |
| 16) Acetone | 2.45 | 43 | 37551 | 21.623 | ug/l | | 96 |
| 18) Methyl Acetate | 2.78 | 43 | 815 | 0.215 | ug/l | # | 86 |
| 25) 2-Butanone | 4.70 | 43 | 14161 | 5.353 | ug/l | | 94 |
| 29) Tetrahydrofuran | 5.17 | 42 | 519 | 0.298 | ug/l | # | 49 |
| 31) Cyclohexane | 5.67 | 56 | 5758 | 1.061 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 20920 | 4.732 | ug/l | # | 48 |
| 37) Ethyl Acetate | 4.70 | 43 | 14161 | 2.883 | ug/l | # | 68 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 27393 | 6.168 | ug/l | # | 17 |
| 40) Benzene | 6.15 | 78 | 3239 | 0.237 | ug/l | # | 86 |
| 43) Isopropyl Acetate | 6.47 | 43 | 2371 | 0.314 | ug/l | # | 60 |
| 44) Trichloroethene | 7.22 | 130 | 3091 | 0.823 | ug/l | | 85 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 2525 | 0.499 | ug/l | | 94 |
| 59) 2-Hexanone | 9.50 | 43 | 3304 | 0.832 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.34 | 164 | 5042 | 1.328 | ug/l | | 89 |
| 74) N-amyl acetate | 10.91 | 43 | 3280 | 0.468 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 107264 | 22.304 | ug/l | # | 32 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 107264 | 59.181 | ug/l | # | 9 |

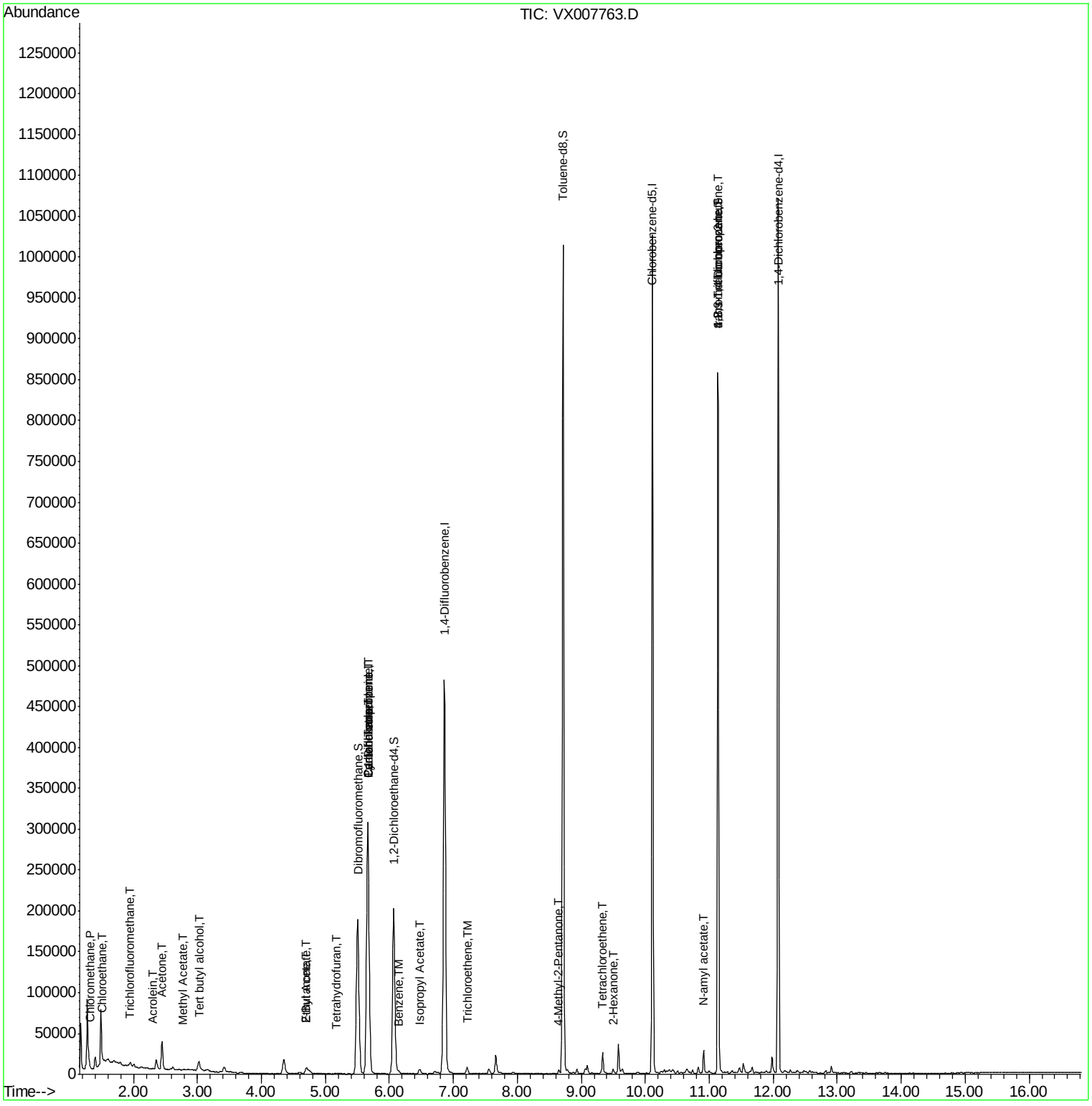
(#) = qualifier out of range (m) = manual integration (+) = signals summed

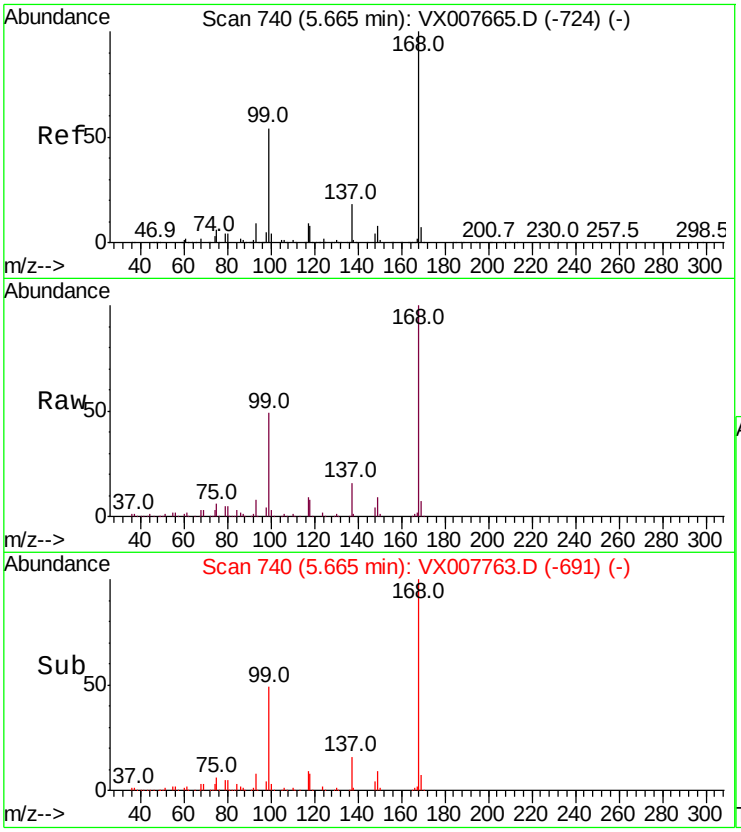
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022819\
Data File : VX007763.D
Acq On : 28 Feb 2019 13:45
Operator : JC/SP
Sample : K1641-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Quant Time: Mar 01 01:30:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration



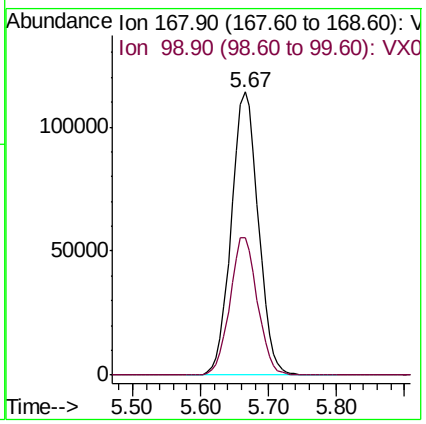


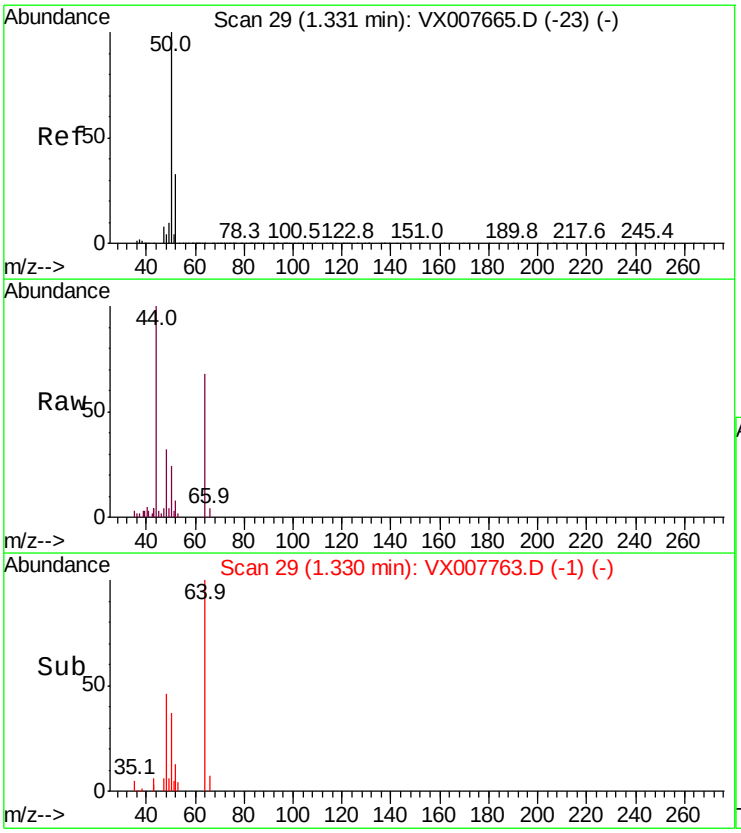

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion:168 Resp: 315270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.8 | 37.9 | 56.9 |

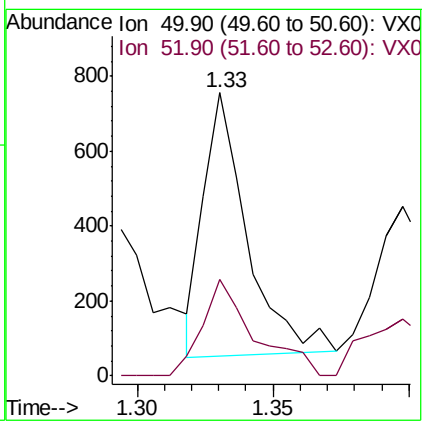


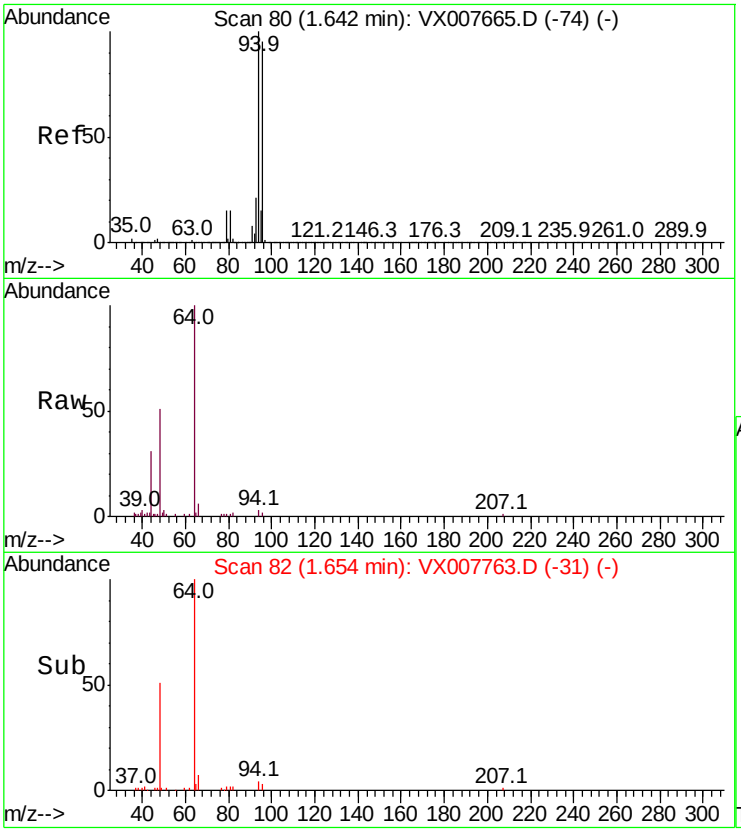




#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.33 min Scan# 29
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 50 Resp: 783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.5 | 26.1 | 39.1 |



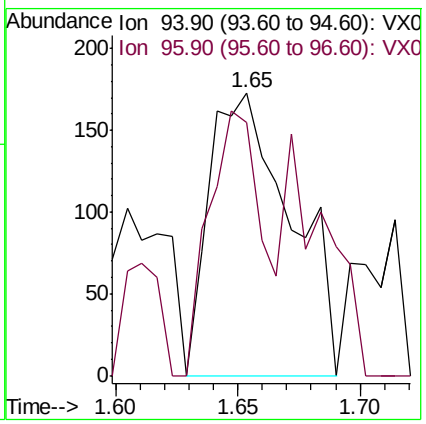


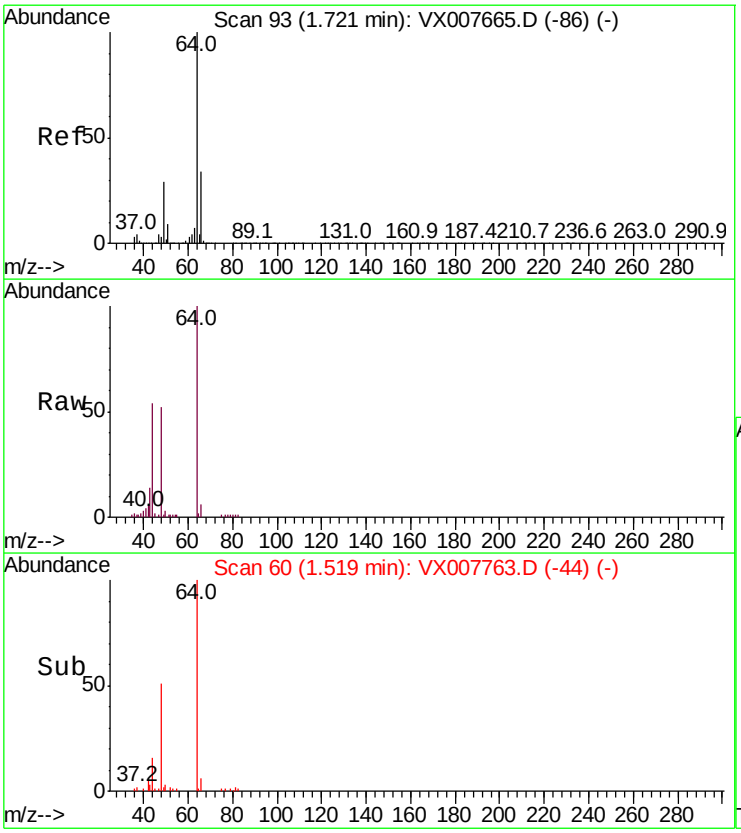

#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 82
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 94 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 89.6 | 73.9 | 110.9 |

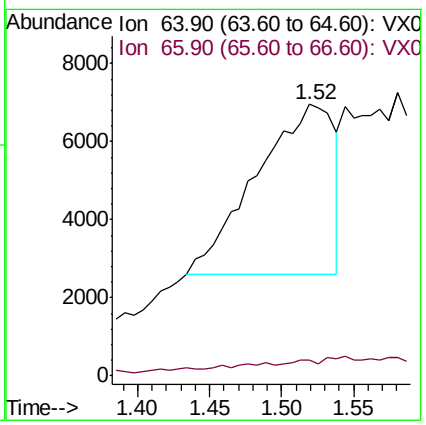


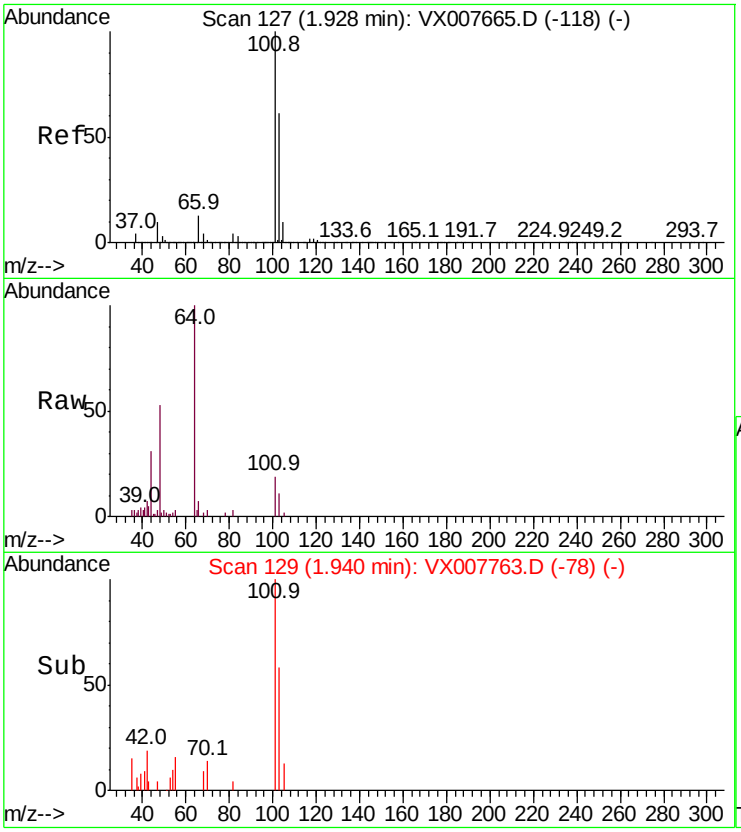




#6
Chloroethane
Concen: 7.807 ug/l
RT: 1.52 min Scan# 60
Delta R.T. -0.20 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 64 Resp: 16469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 5.0 | 25.5 | 38.3# |



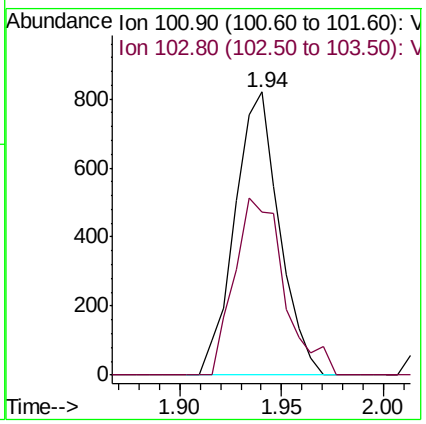


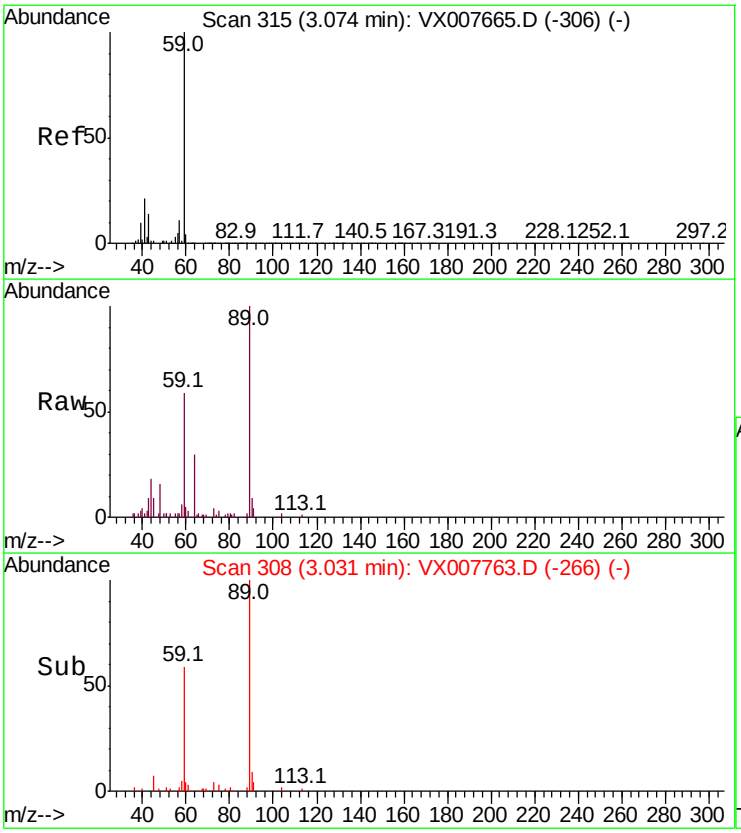

#7
Trichlorofluoromethane
Concen: 0.246 ug/l
RT: 1.94 min Scan# 129
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion:101 Resp: 1243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.6 | 52.6 | 79.0 |

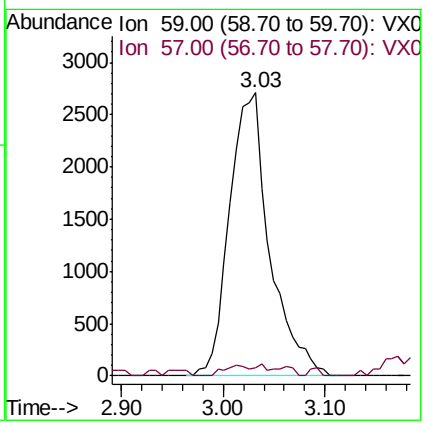


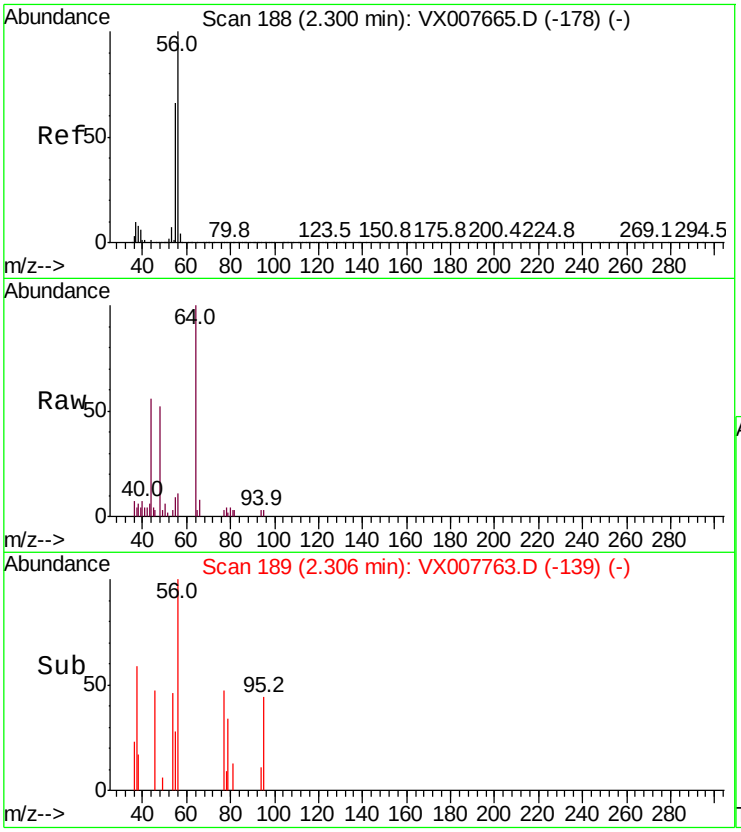




#11
Tert butyl alcohol
Concen: 9.983 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 59 Resp: 7397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.3 | 8.1 | 12.1# |



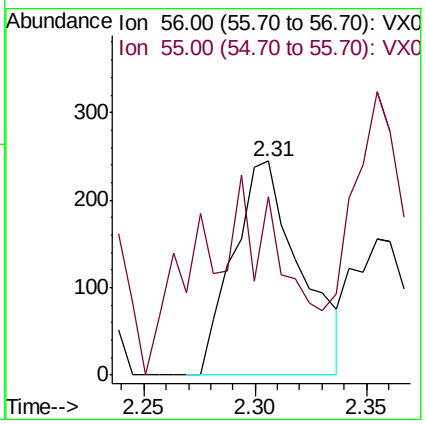


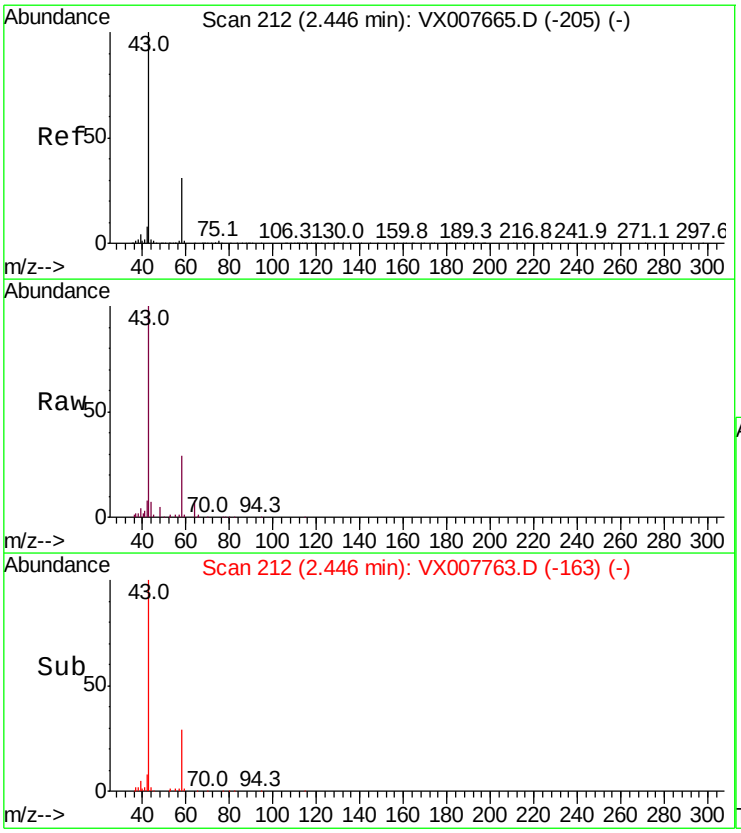

#13
Acrolein
Concen: 0.776 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 56 Resp: 511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 49.5 | 56.9 | 85.3# |

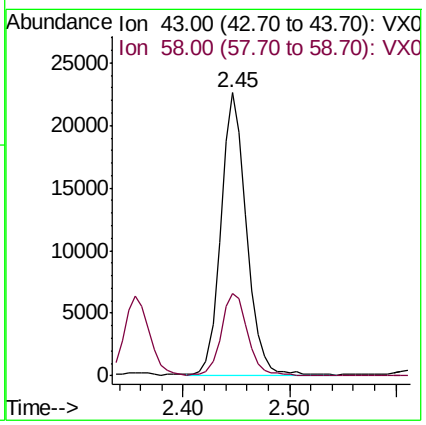


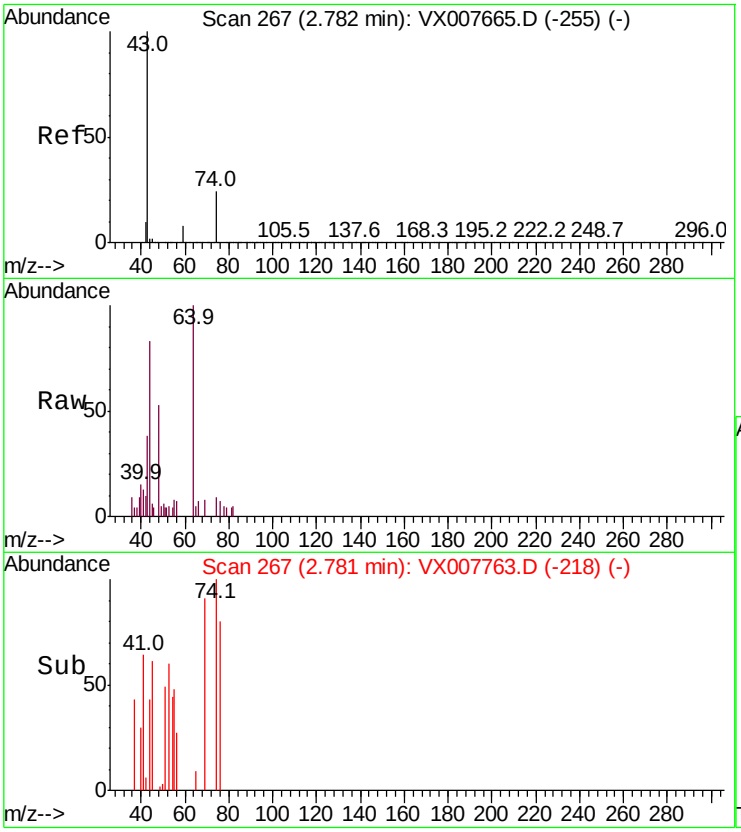




#16
Acetone
Concen: 21.623 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 43 Resp: 37551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 24.9 | 37.3 |



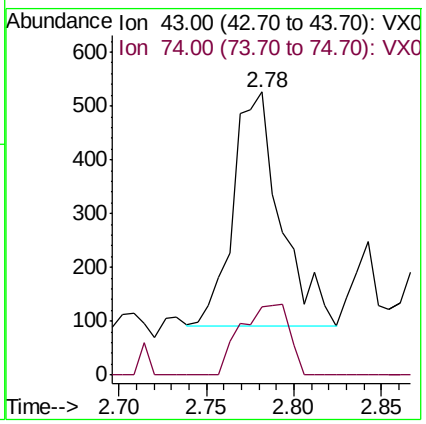


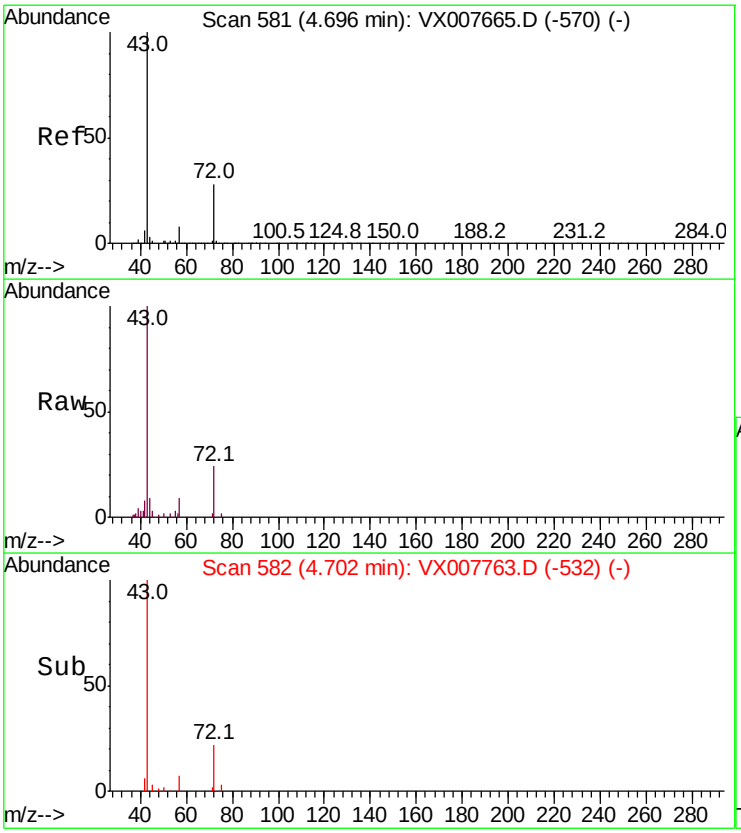

#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB201-GW-460-462

Tgt Ion: 43 Resp: 815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 31.2 | 19.4 | 29.2# |

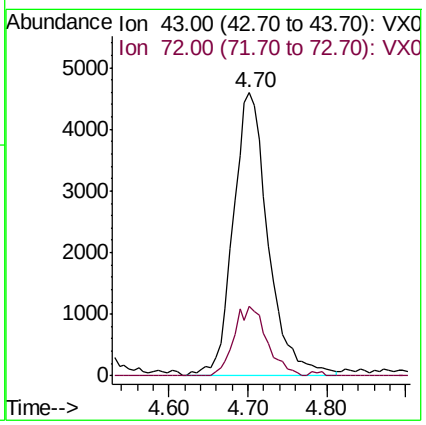


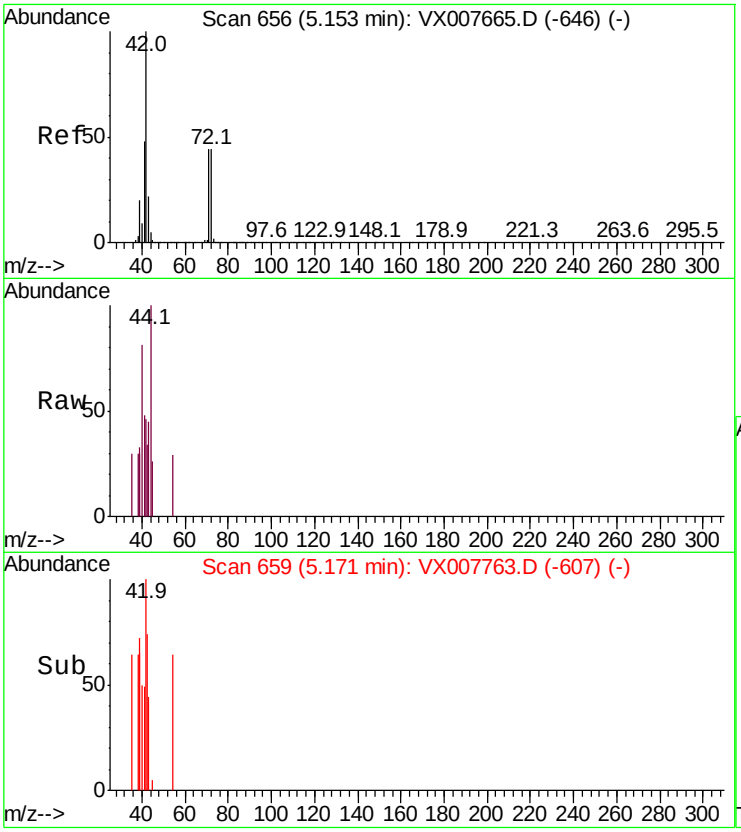




#25
2-Butanone
Concen: 5.353 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 43 Resp: 14161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.5 | 22.2 | 33.2 |



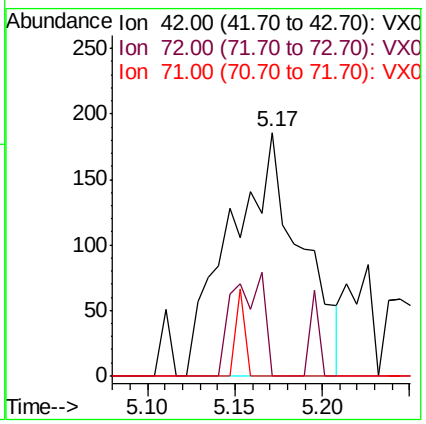


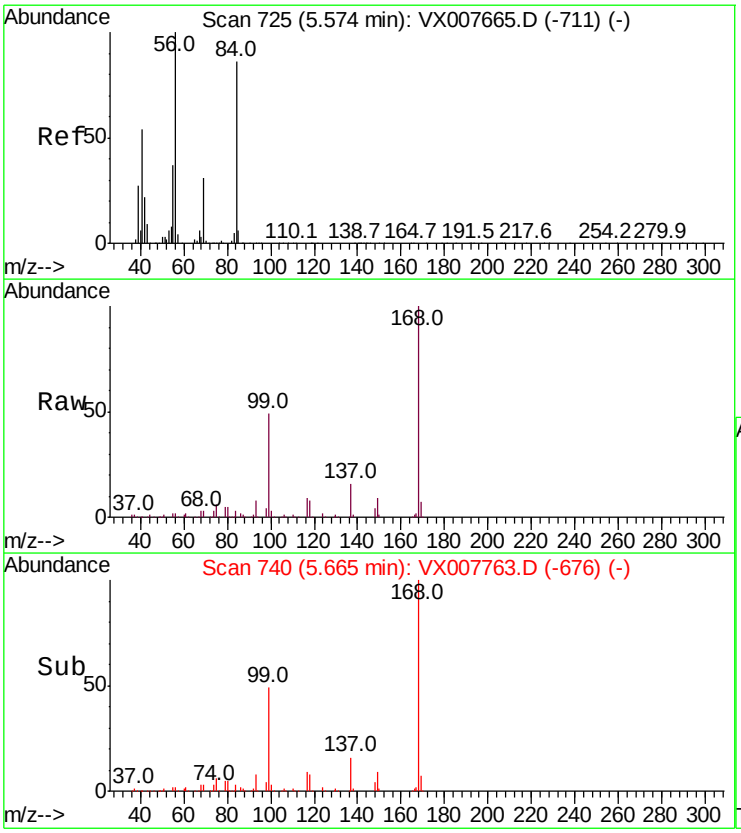

#29
Tetrahydrofuran
Concen: 0.298 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 42 Resp: 519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 18.5 | 37.6 | 56.4# |
| 71 | 4.6 | 34.6 | 51.8# |

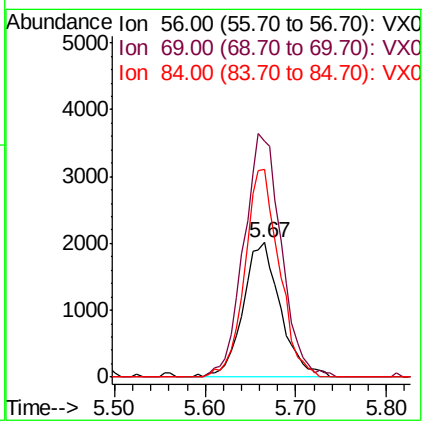


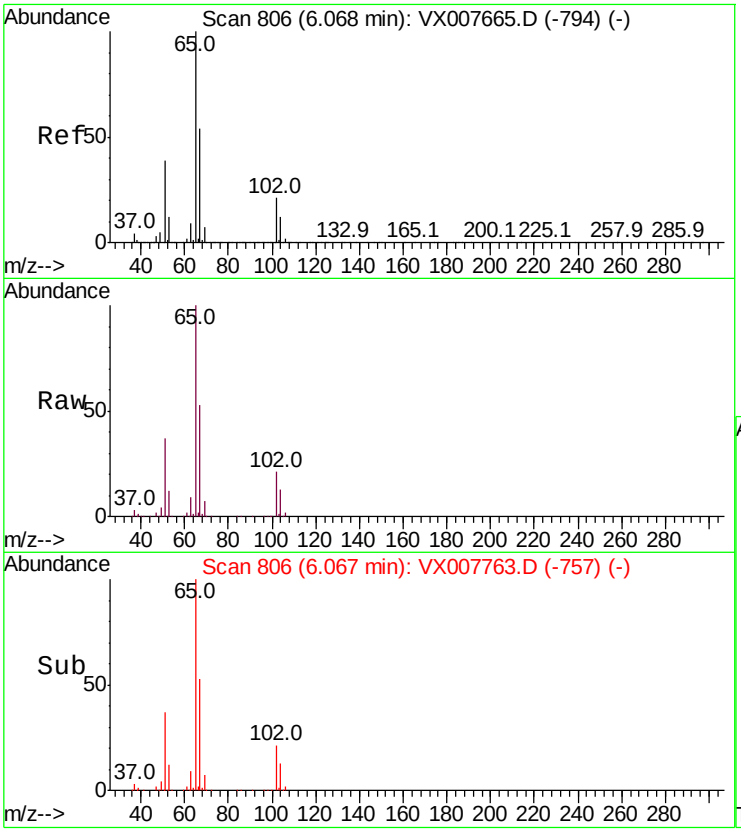




#31
Cyclohexane
Concen: 1.061 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 56 Resp: 5758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 175.2 | 23.0 | 34.6# |
| 84 | 154.4 | 69.8 | 104.6# |



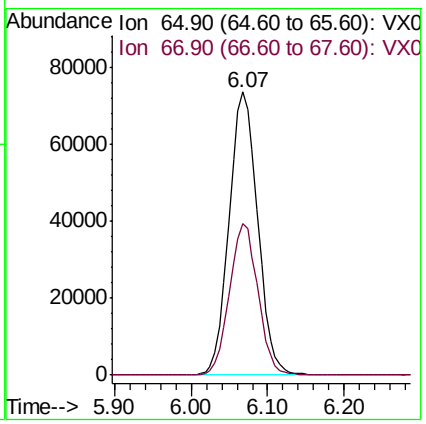


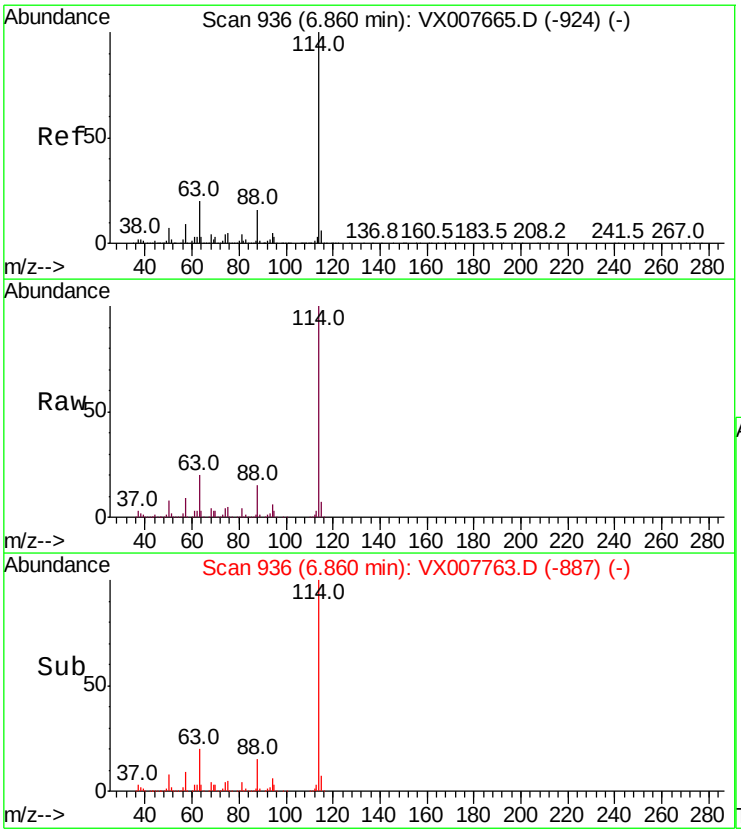

#33
1,2-Dichloroethane-d4
Concen: 48.681 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 65 Resp: 190110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 108.8 |

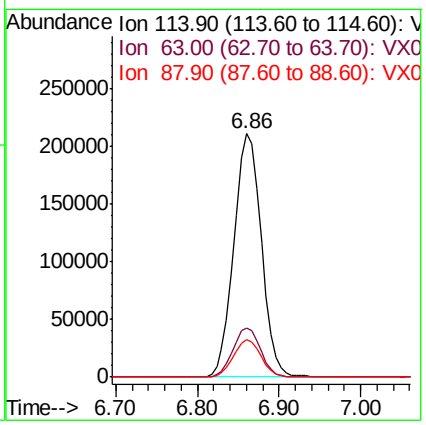


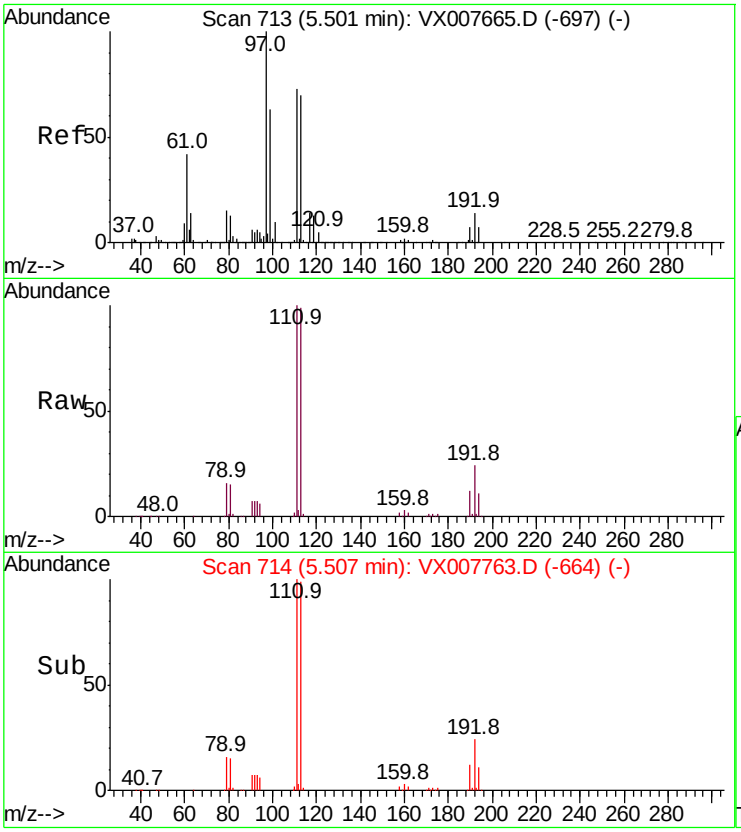




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion:114 Resp: 491756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 35.6 |
| 88 | 15.3 | 0.0 | 29.6 |



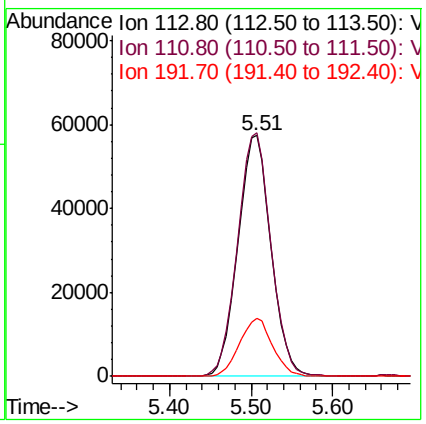


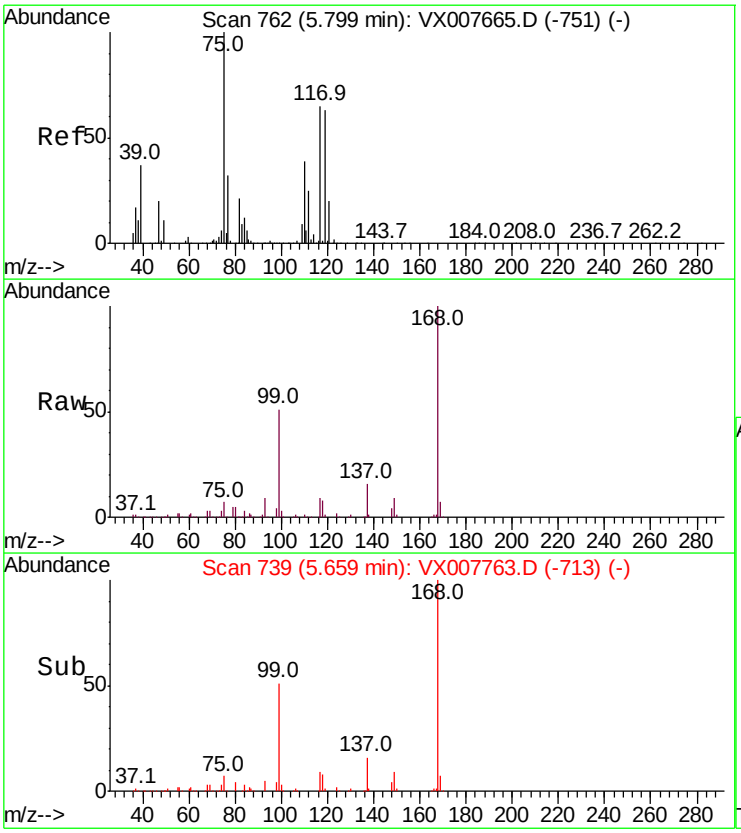

#35
Dibromofluoromethane
Concen: 49.148 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion:113 Resp: 161560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 81.8 | 122.8 |
| 192 | 24.1 | 18.5 | 27.7 |

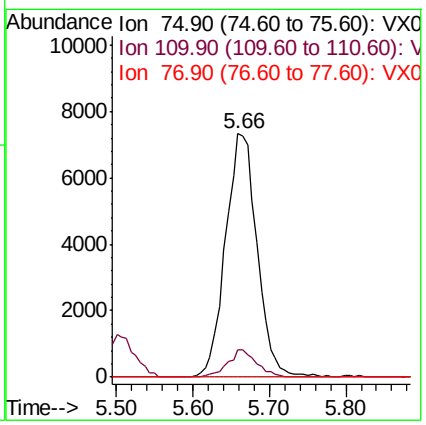


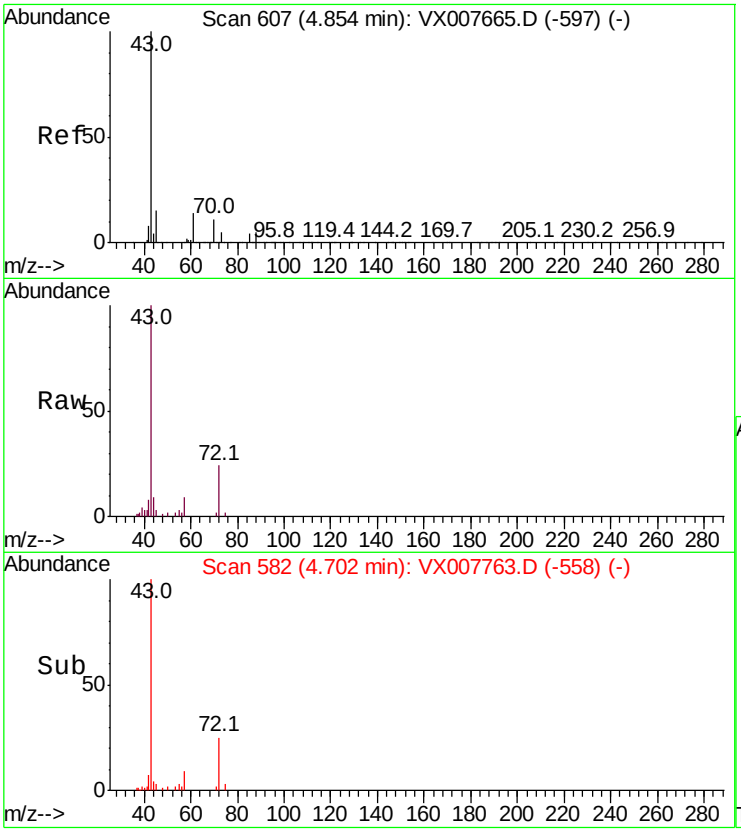




#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 75 Resp: 20920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.1 | 20.0 | 59.9# |
| 77 | 0.0 | 24.7 | 37.1# |



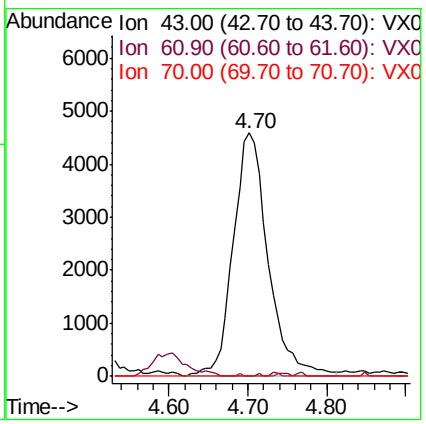


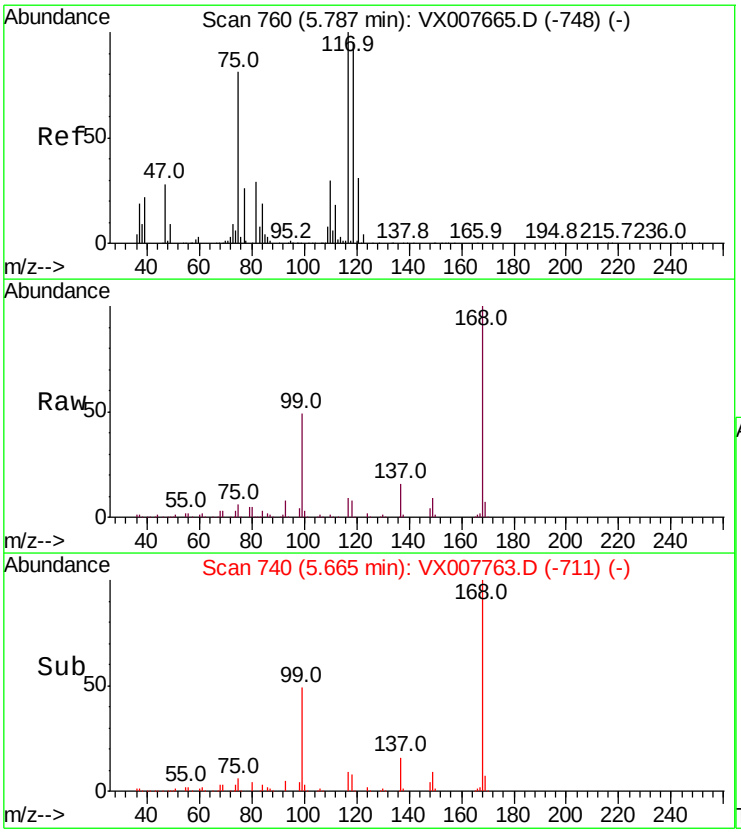

#37
Ethyl Acetate
Concen: 2.883 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.15 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 43 Resp: 14161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.3 | 16.9# |
| 70 | 0.1 | 8.6 | 13.0# |

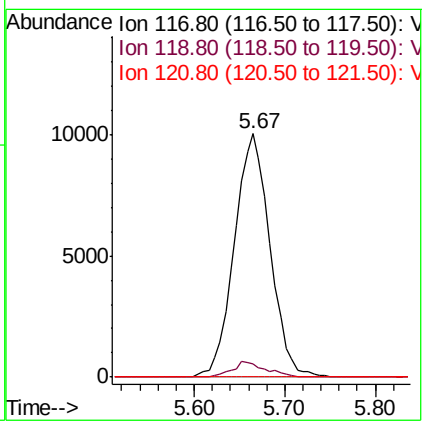


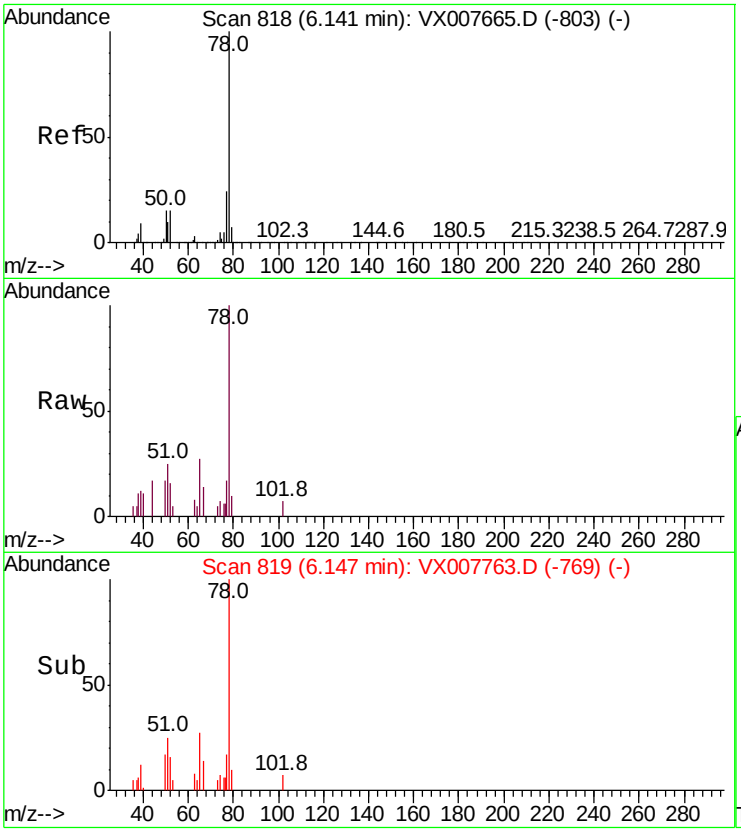




#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion:117 Resp: 27393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 75.3 | 112.9# |
| 121 | 0.0 | 25.0 | 37.4# |



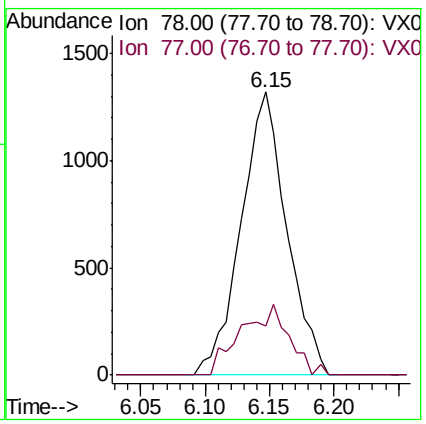


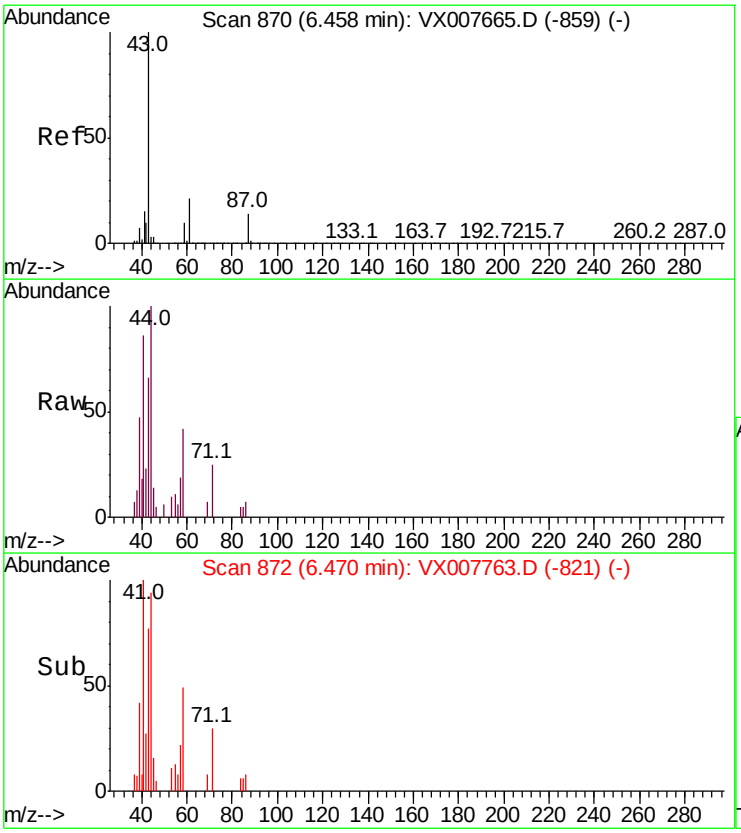

#40
Benzene
Concen: 0.237 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 78 Resp: 3239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 17.1 | 19.3 | 28.9# |

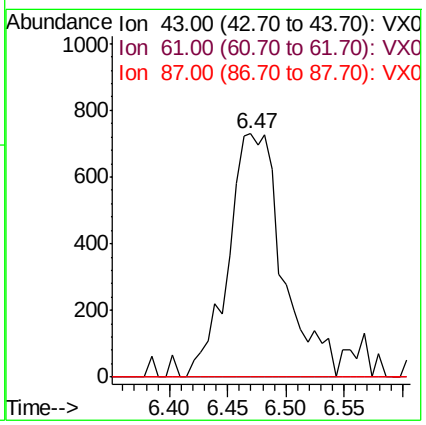


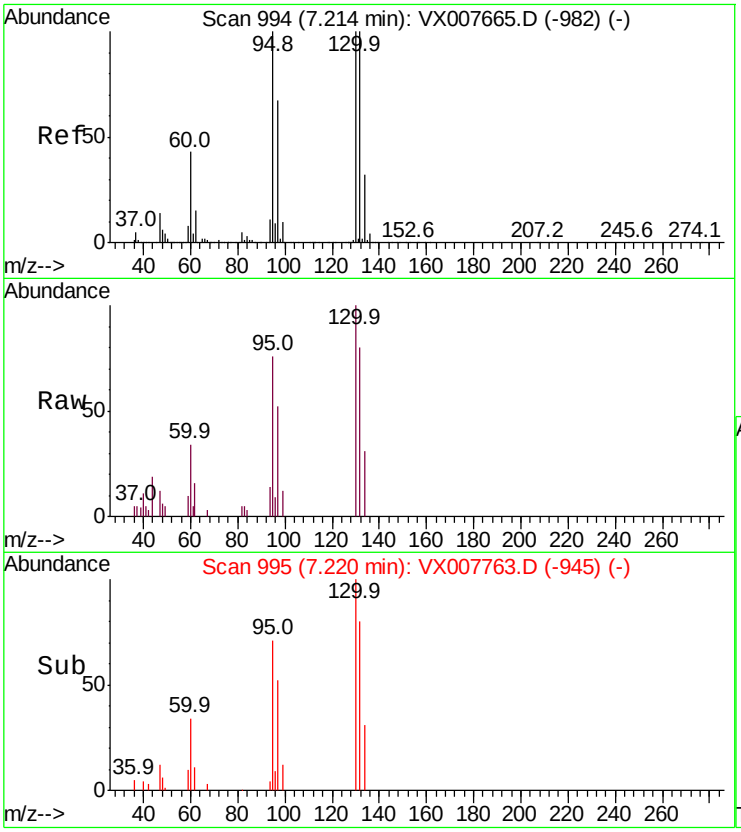




#43
Isopropyl Acetate
Concen: 0.314 ug/l
RT: 6.47 min Scan# 872
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 43 Resp: 2371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 16.1 | 24.1# |
| 87 | 0.0 | 11.5 | 17.3# |



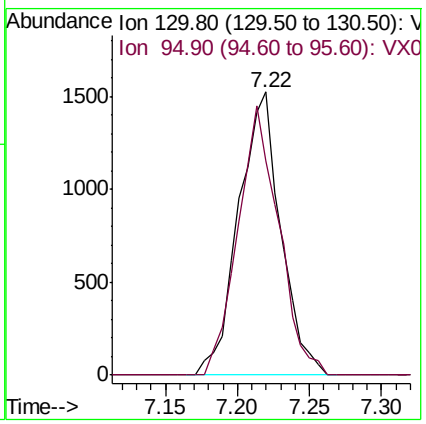


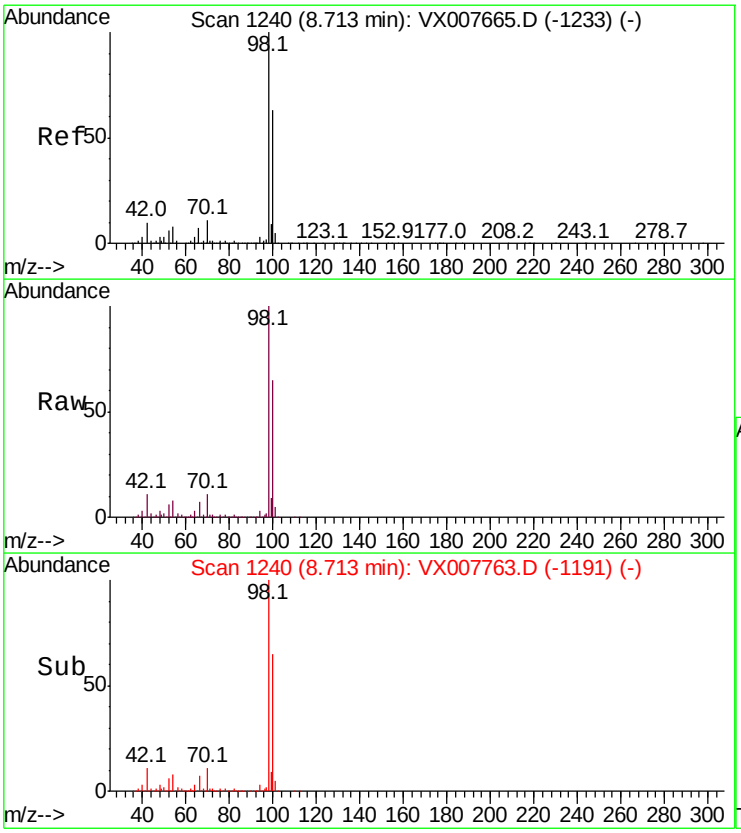

#44
Trichloroethene
Concen: 0.823 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion:130 Resp: 3091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 75.6 | 0.0 | 180.0 |

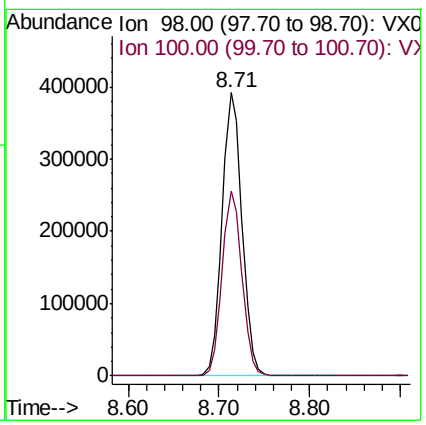


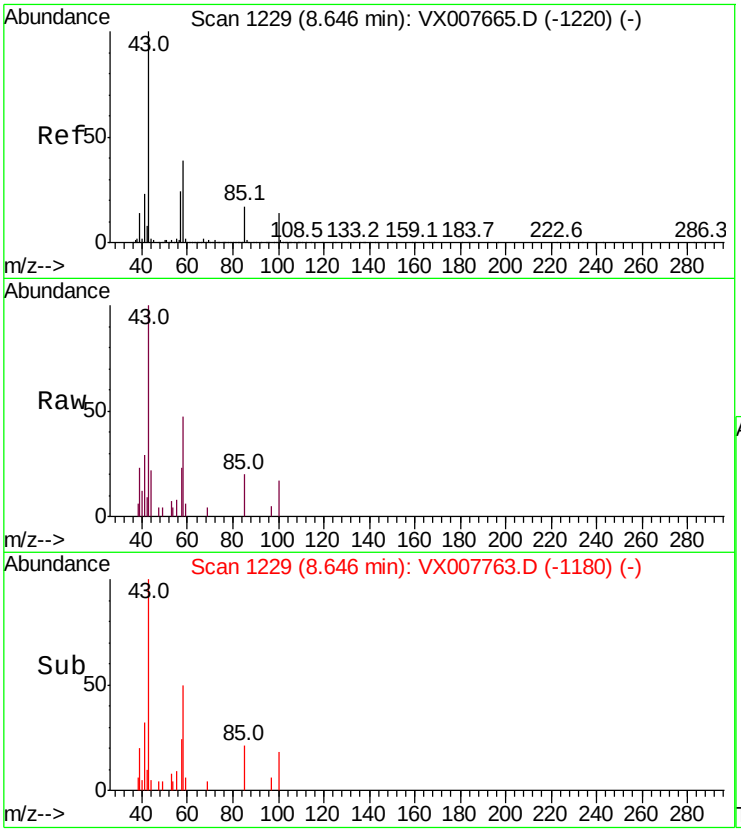




#50
Toluene-d8
Concen: 47.735 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 98 Resp: 600731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 51.6 | 77.4 |

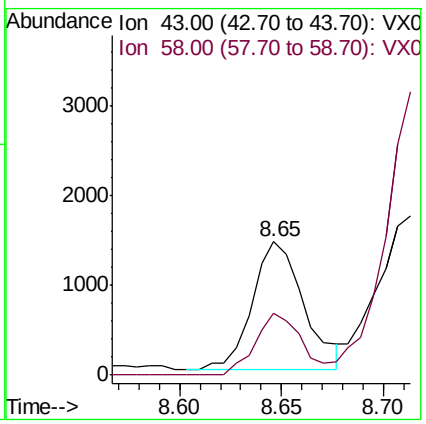




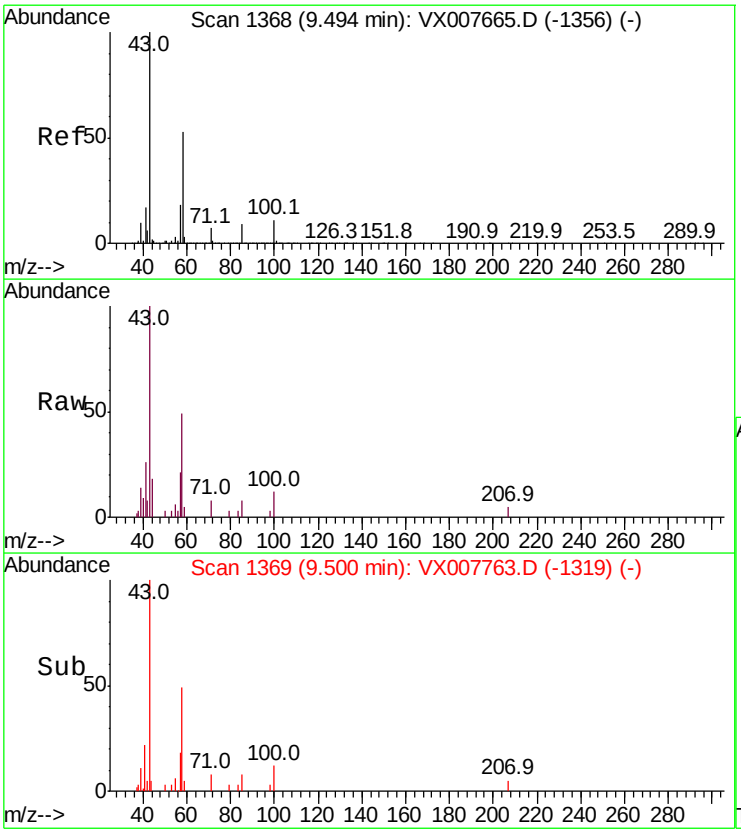

#51
4-Methyl-2-Pentanone
Concen: 0.499 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 43 Resp: 2525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.7 | 31.2 | 46.8 |



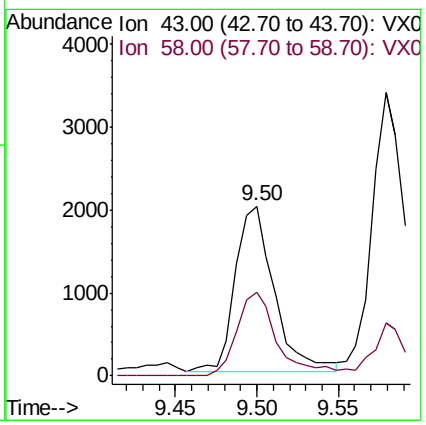

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

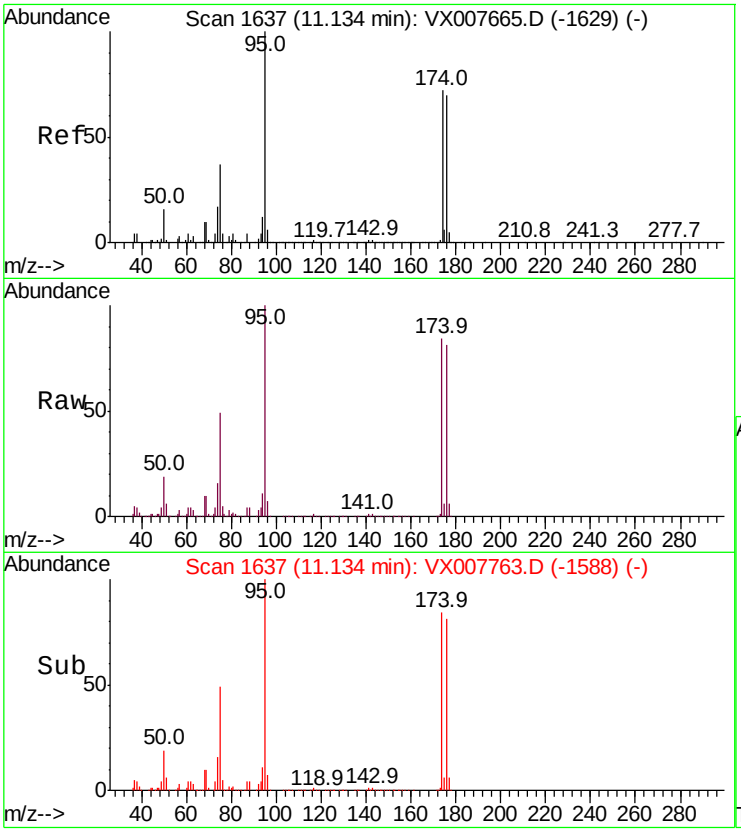



#59
2-Hexanone
Concen: 0.832 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 43 Resp: 3304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 27.1 | 81.3 |



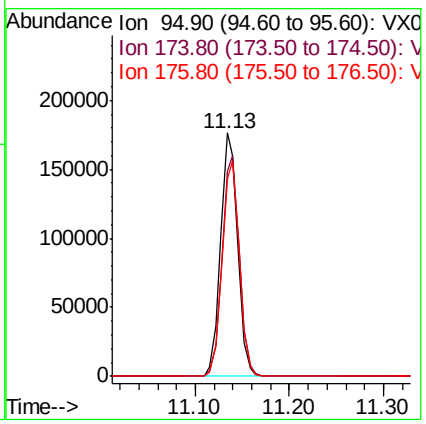


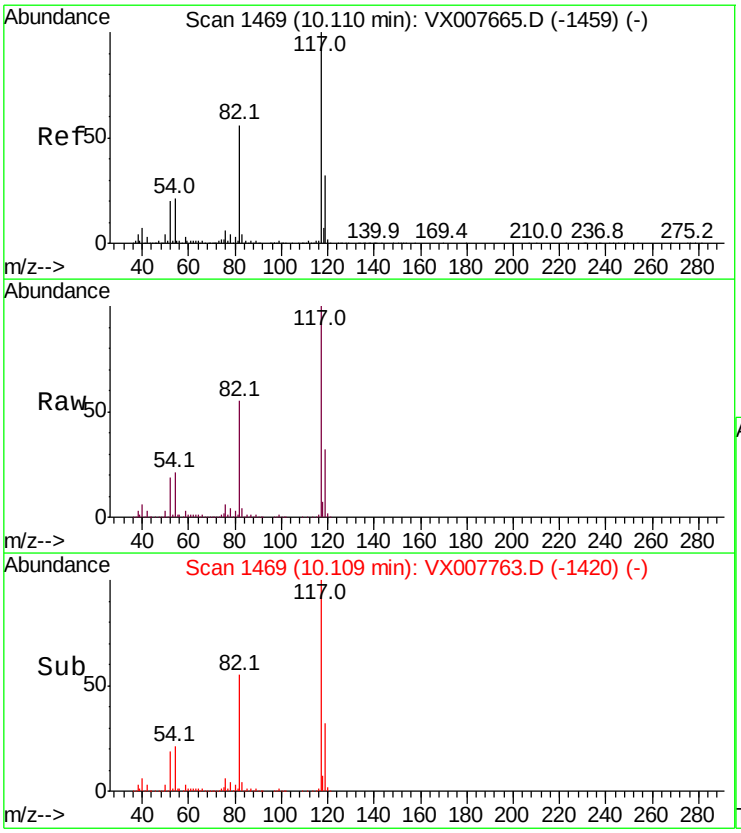

#62
4-Bromofluorobenzene
Concen: 47.616 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 95 Resp: 219943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.7 | 0.0 | 189.2 |
| 176 | 89.3 | 0.0 | 186.2 |

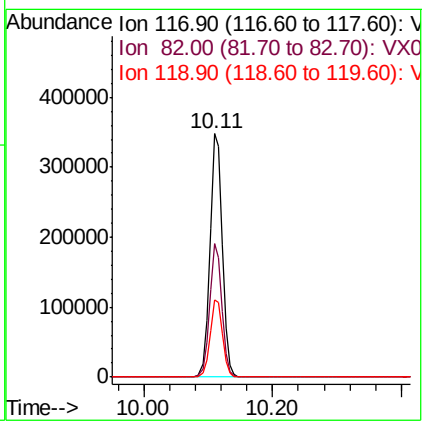


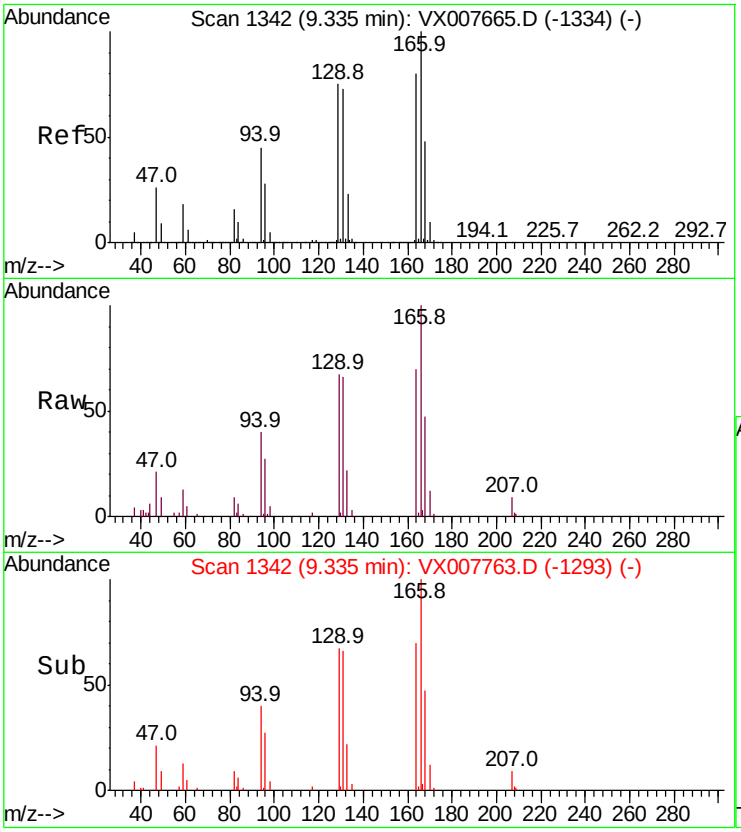




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion:117 Resp: 467547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 42.1 | 63.1 |
| 119 | 31.6 | 26.5 | 39.7 |



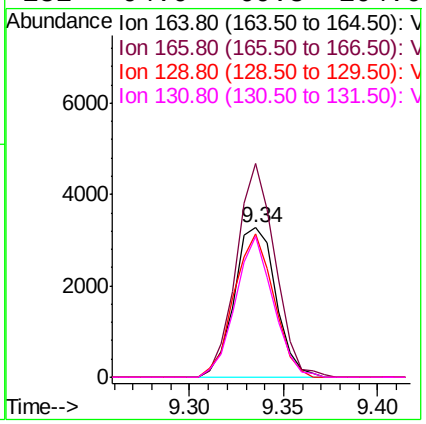


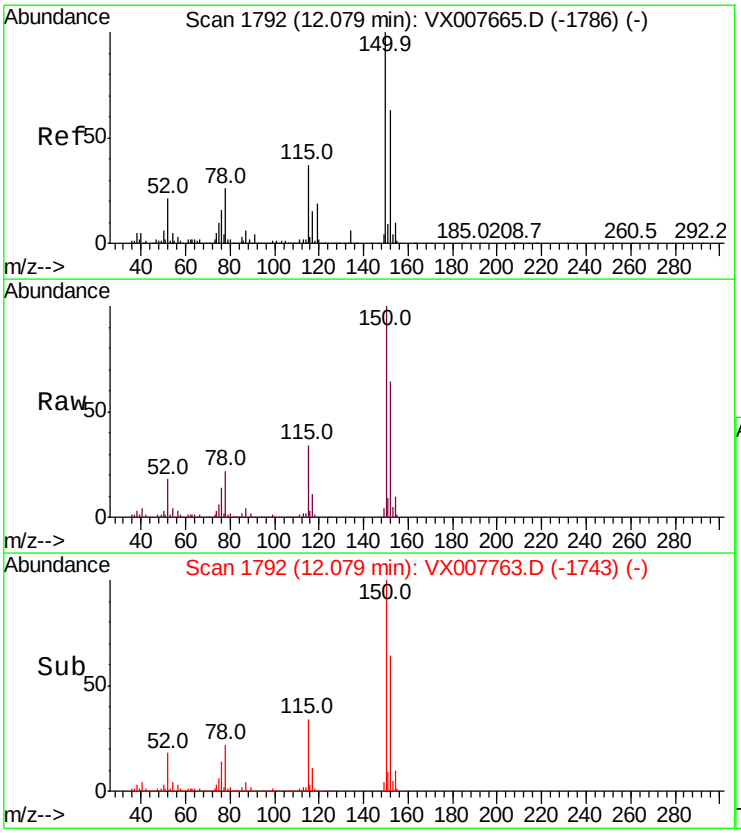

#64
Tetrachloroethene
Concen: 1.328 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion:164 Resp: 5042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 142.9 | 101.0 | 151.4 |
| 129 | 95.6 | 70.5 | 105.7 |
| 131 | 94.0 | 69.8 | 104.6 |

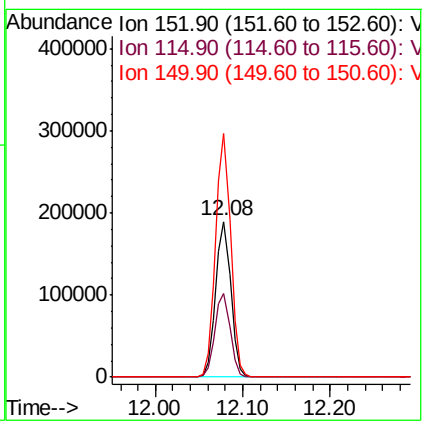


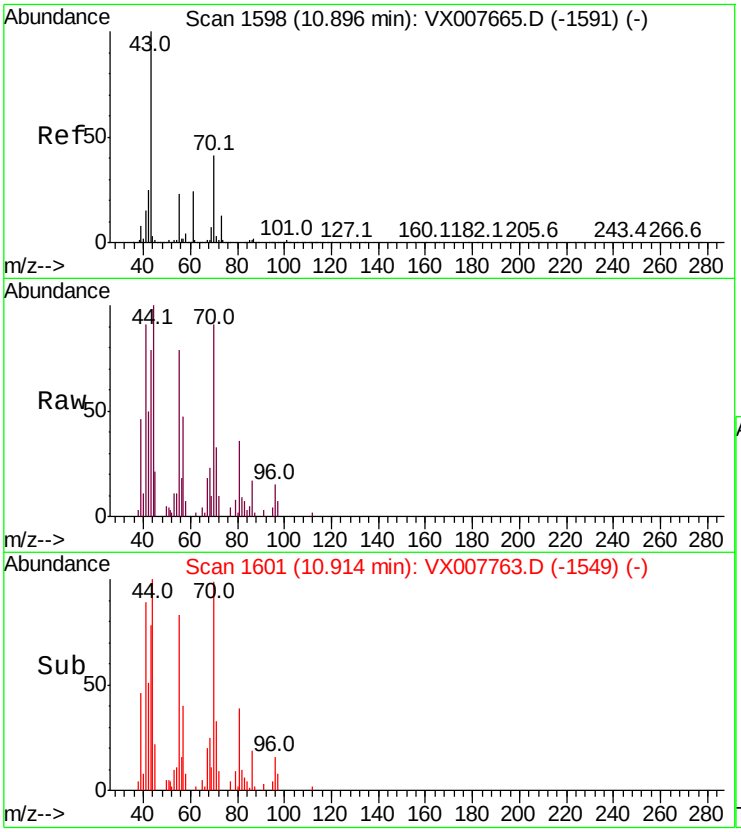




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion:152 Resp: 225616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.5 | 38.0 | 114.0 |
| 150 | 155.9 | 0.0 | 346.4 |



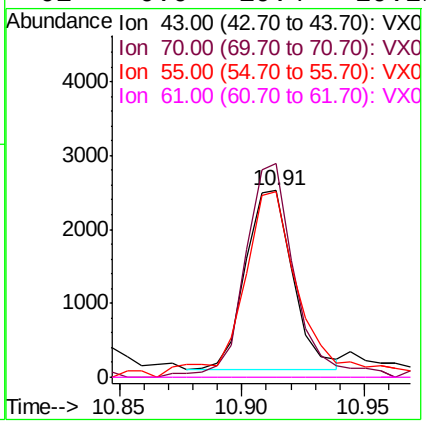


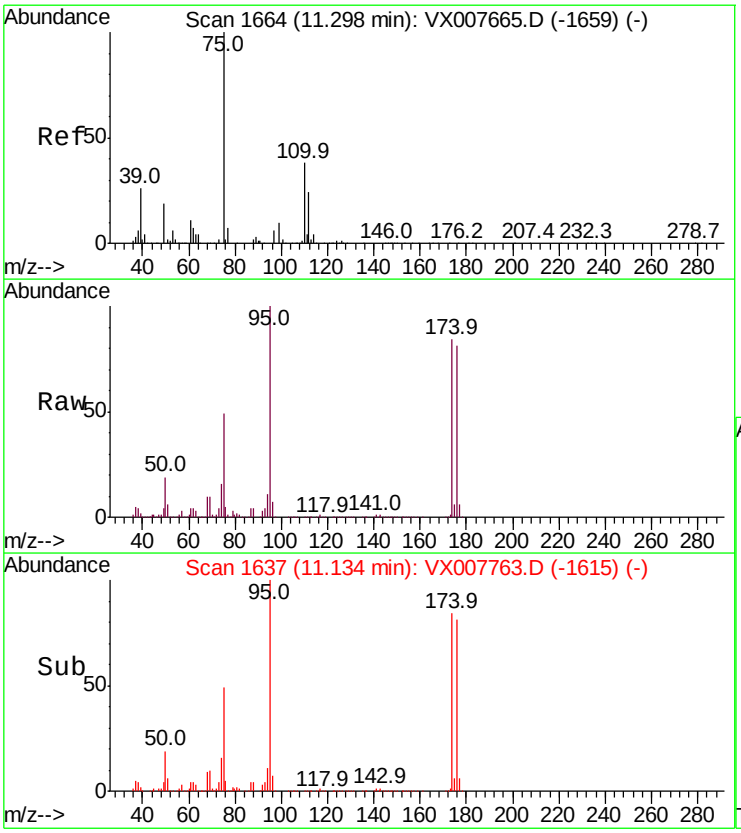

#74
N-amyl acetate
Concen: 0.468 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.02 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :** MSVOA_X
**ClientSampleId :** BP-VPB201-GW-460-462

Tgt Ion: 43 Resp: 3280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 125.1 | 33.8 | 50.6# |
| 55 | 107.8 | 19.5 | 29.3# |
| 61 | 0.0 | 19.4 | 29.2# |

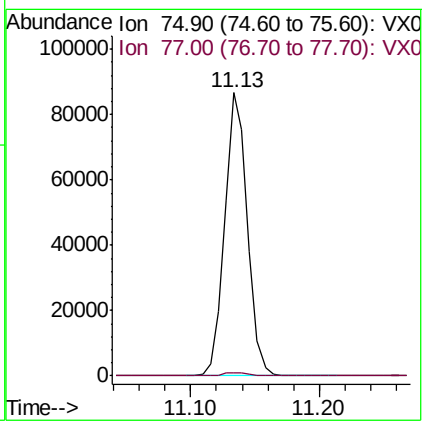


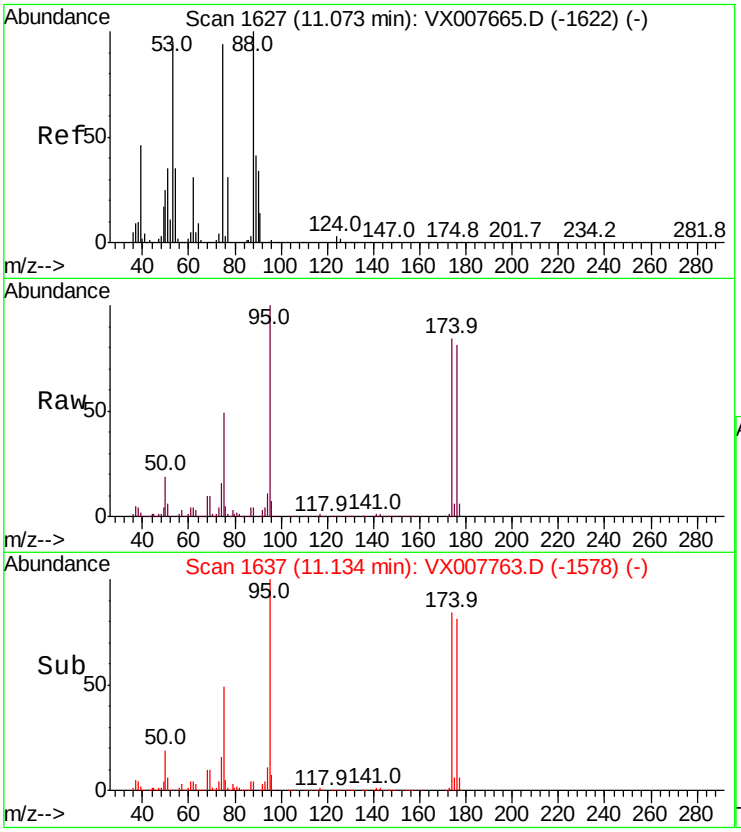




#76
1,2,3-Trichloropropane
Concen: 22.304 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

Tgt Ion: 75 Resp: 107264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 23.0 | 69.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 59.181 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007763.D
Acq: 28 Feb 2019 13:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB201-GW-460-462

Tgt Ion: 75 Resp: 107264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 81.0 | 121.6# |
| 89 | 0.0 | 41.4 | 62.0# |