Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020519\
Data File : VX007384.D
Acq On : 05 Feb 2019 18:31
Operator : JC/SP
Sample : K1380-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-190204

Quant Time: Feb 06 00:20:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 439684 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 680191 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 634203 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 317726 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 238565 | 51.12 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.24% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 209975 | 47.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.88% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 811496 | 49.42 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.84% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 287784 | 48.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 402 | 0.252 | ug/l | 96 |
| 3) Chloromethane | 1.32 | 50 | 3743 | 0.756 | ug/l # | 87 |
| 4) Vinyl Chloride | 1.42 | 62 | 4118 | 0.848 | ug/l | 90 |
| 5) Bromomethane | 1.64 | 94 | 965 | Below Cal | # | 40 |
| 11) Tert butyl alcohol | 3.10 | 59 | 492 | 0.509 | ug/l # | 45 |
| 13) Acrolein | 2.30 | 56 | 258 | 0.570 | ug/l # | 55 |
| 14) Allyl chloride | 2.77 | 41 | 3212 | 0.470 | ug/l # | 54 |
| 15) Acrylonitrile | 3.14 | 53 | 554 | 0.232 | ug/l # | 58 |
| 16) Acetone | 2.48 | 43 | 13135 | 6.144 | ug/l # | 86 |
| 17) Carbon Disulfide | 2.60 | 76 | 87 | 2.129 | ug/l # | 85 |
| 18) Methyl Acetate | 2.79 | 43 | 95096 | 17.463 | ug/l | 93 |
| 20) Methylene Chloride | 2.84 | 84 | 941 | Below Cal | # | 60 |
| 21) trans-1,2-Dichloroethene | 3.15 | 96 | 945 | 0.211 | ug/l # | 79 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 191898 | 39.287 | ug/l | 92 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 29126 | 4.772 | ug/l # | 40 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 39821 | 6.726 | ug/l # | 16 |
| 41) Methacrylonitrile | 5.07 | 41 | 920 | 0.278 | ug/l # | 35 |
| 44) Trichloroethene | 7.21 | 130 | 31139 | 5.751 | ug/l | 98 |
| 49) 1,4-Dioxane | 7.74 | 88 | 104 | 7.832 | ug/l # | 1 |
| 60) Dibromochloromethane | 9.34 | 129 | 29139 | 6.372 | ug/l # | 12 |
| 64) Tetrachloroethene | 9.33 | 164 | 33762 | 5.648 | ug/l | 92 |
| 65) Chlorobenzene | 10.14 | 112 | 9049 | 0.654 | ug/l | 95 |
| 71) Bromoform | 10.85 | 173 | 207 | 4.076 | ug/l # | 29 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 137266 | 22.211 | ug/l # | 32 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 137266 | 67.074 | ug/l # | 9 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75 | 318 | 0.232 | ug/l # | 2 |

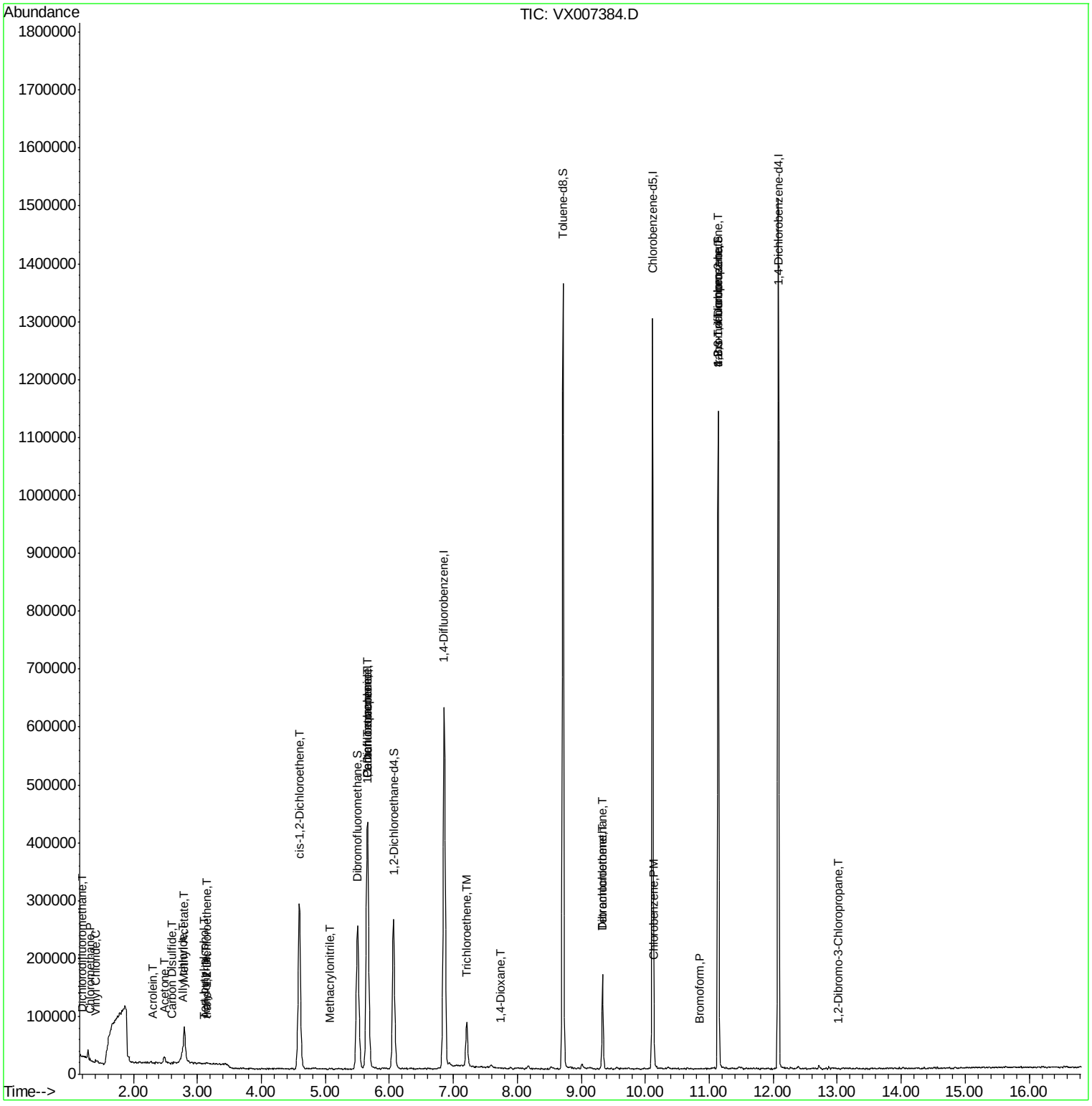
(#) = qualifier out of range (m) = manual integration (+) = signals summed

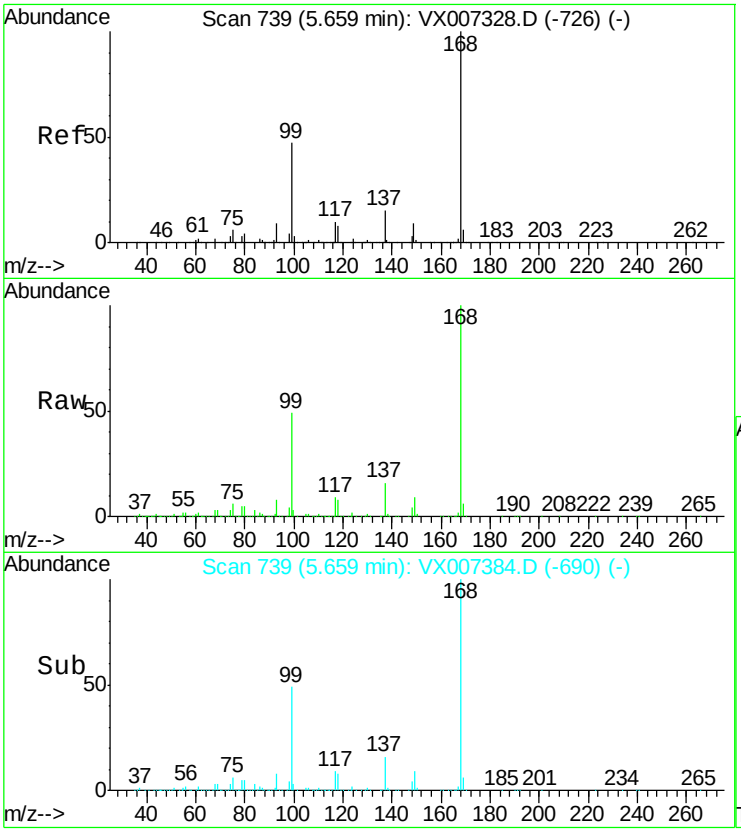
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020519\
Data File : VX007384.D
Acq On : 05 Feb 2019 18:31
Operator : JC/SP
Sample : K1380-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Quant Time: Feb 06 00:20:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration



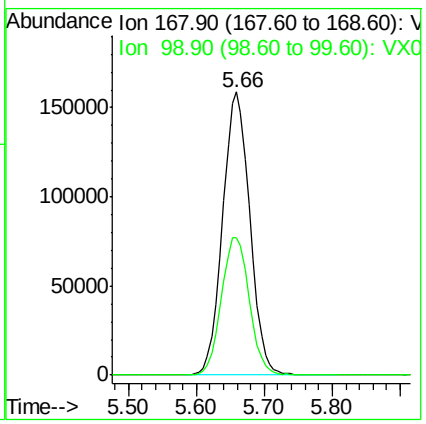


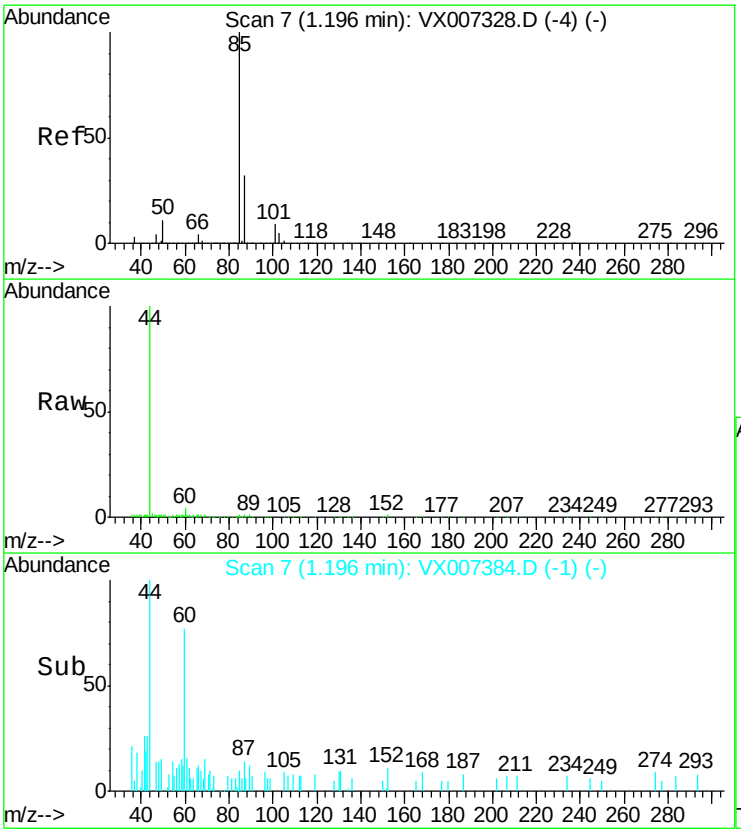

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:168 Resp: 439684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.4 | 37.9 | 56.9 |

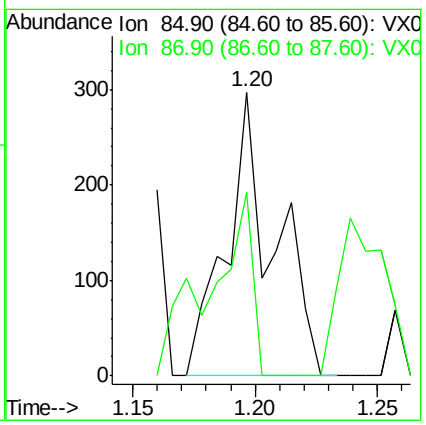


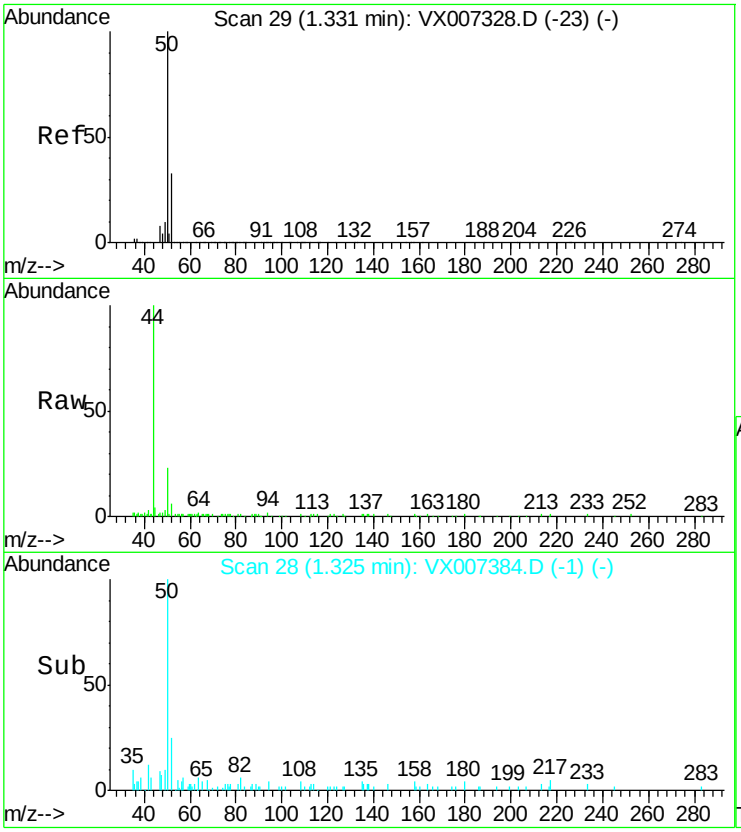




#2
Dichlorodifluoromethane
Concen: 0.252 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 85 Resp: 402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.0 | 15.8 | 47.4 |



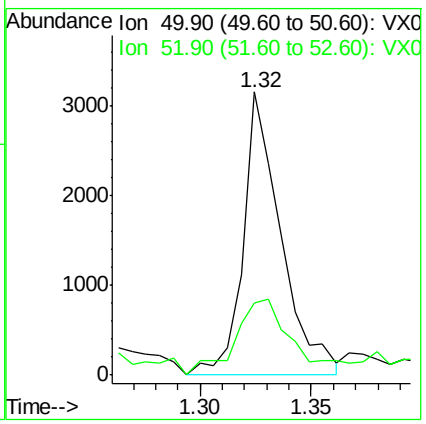


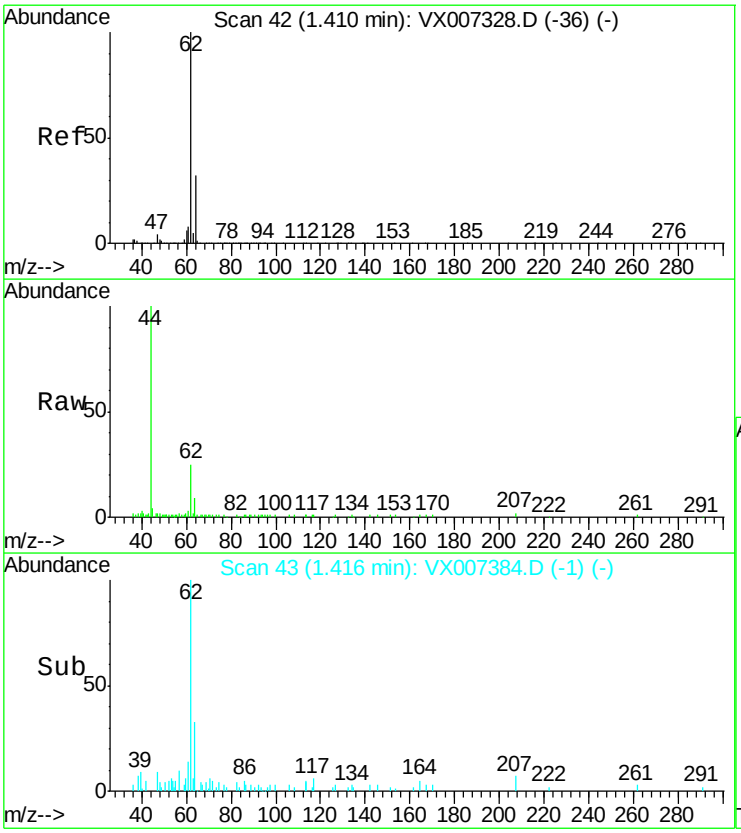

#3
Chloromethane
Concen: 0.756 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 50 Resp: 3743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 25.4 | 26.1 | 39.1# |

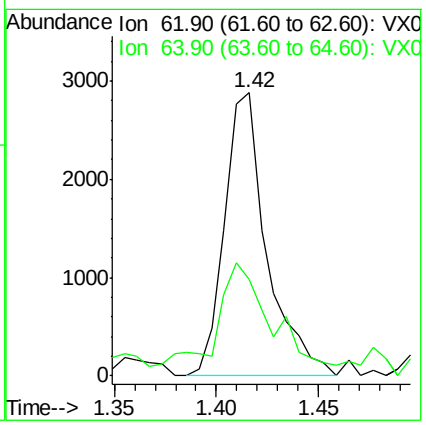


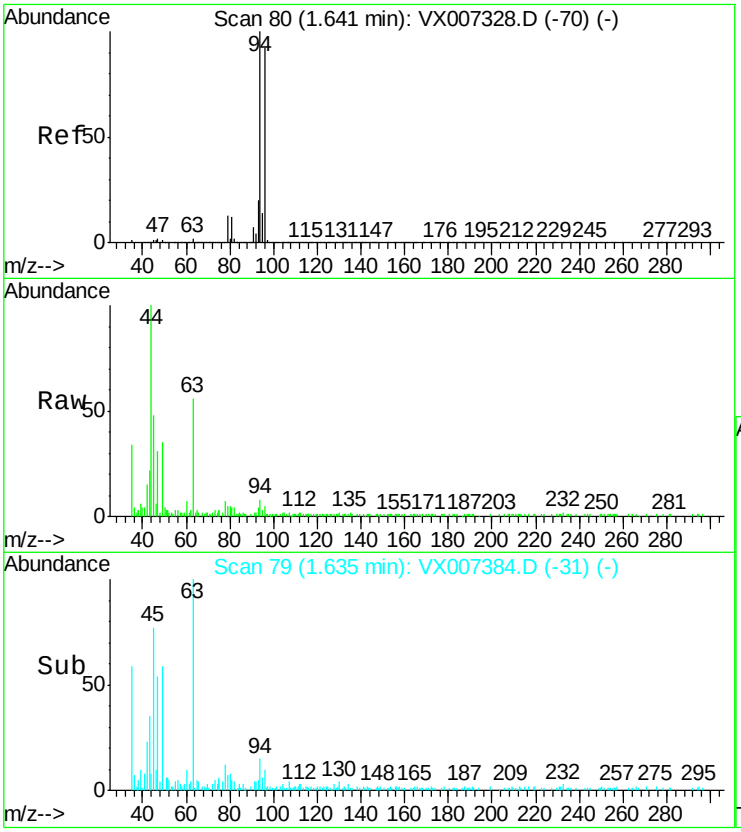




#4
Vinyl Chloride
Concen: 0.848 ug/l
RT: 1.42 min Scan# 43
Delta R.T. 0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 62 Resp: 4118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 26.0 | 25.4 | 38.0 |



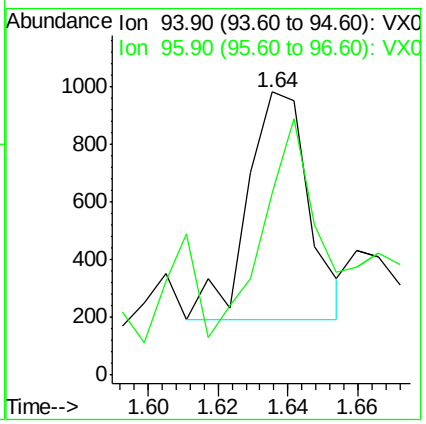


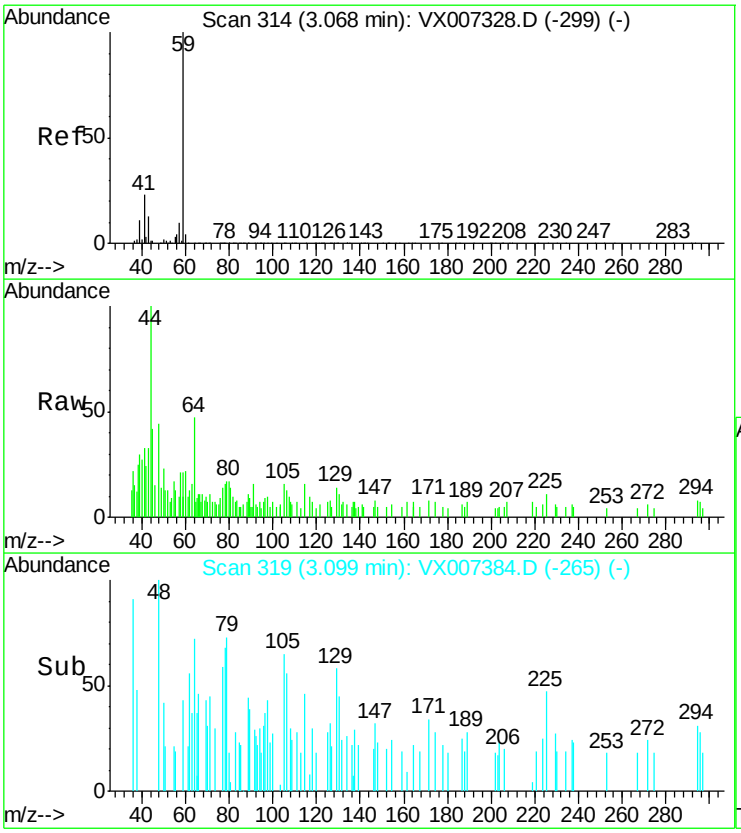

#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 79
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 94 Resp: 965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 35.3 | 73.9 | 110.9# |

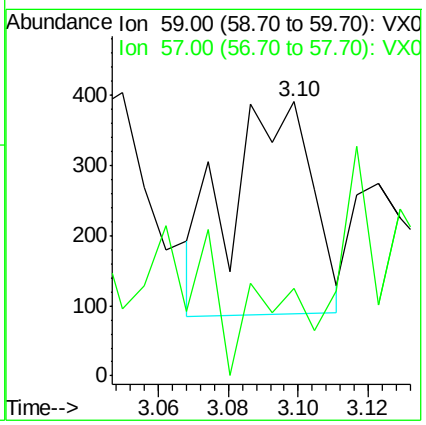


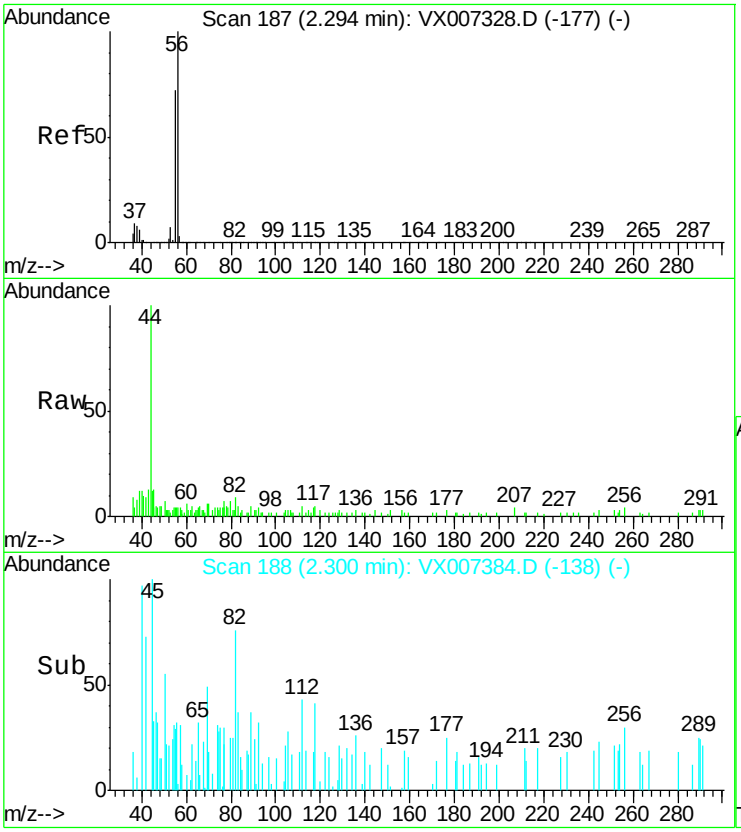




#11
Tert butyl alcohol
Concen: 0.509 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.03 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 59 Resp: 492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 30.7 | 8.1 | 12.1# |



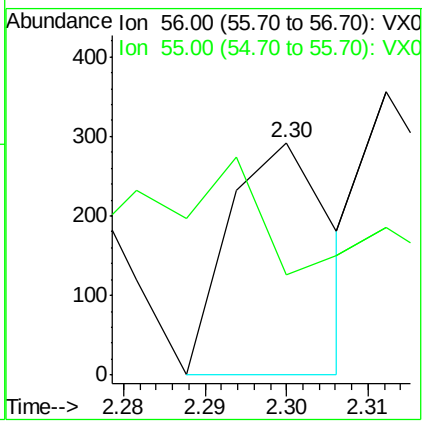


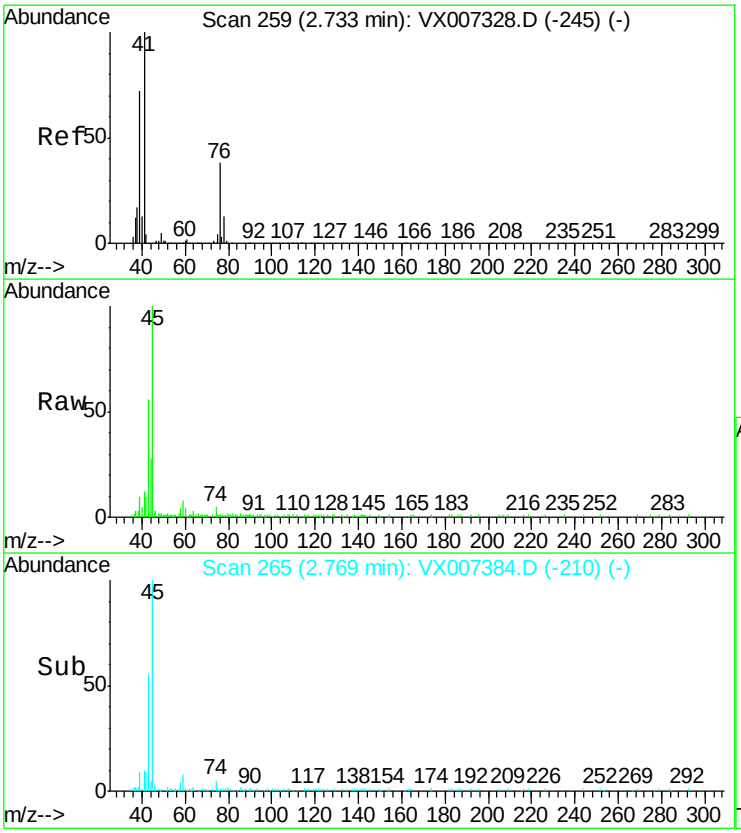

#13
Acrolein
Concen: 0.570 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-190204

Tgt Ion: 56 Resp: 258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 33.7 | 56.9 | 85.3# |

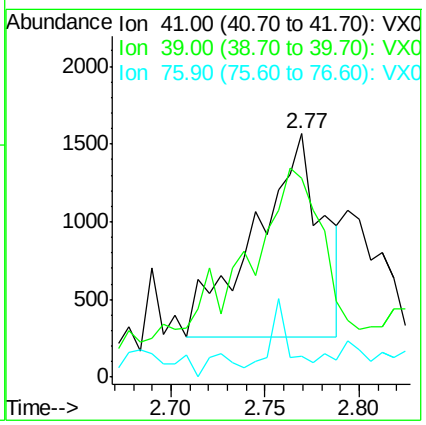


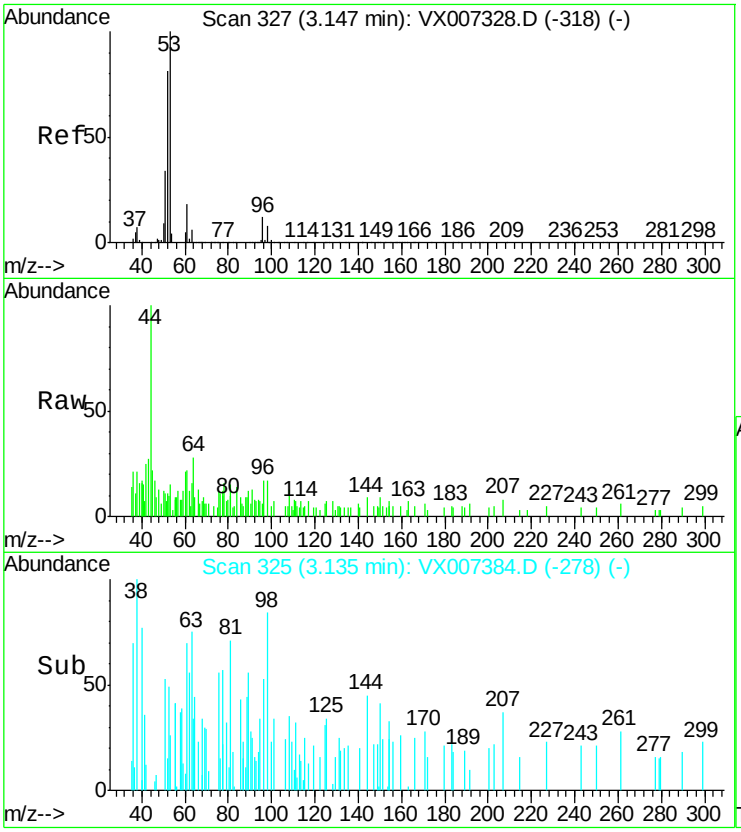




#14
Allyl chloride
Concen: 0.470 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.04 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 41 Resp: 3212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 104.4 | 54.1 | 81.1# |
| 76 | 8.5 | 27.8 | 41.8# |



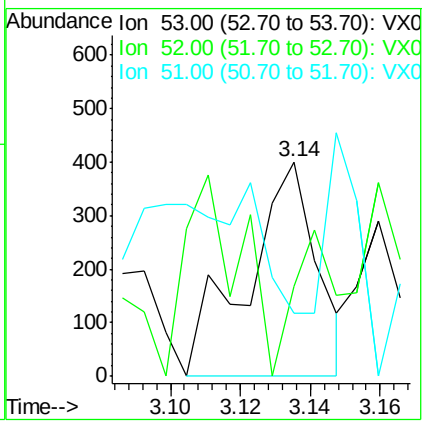


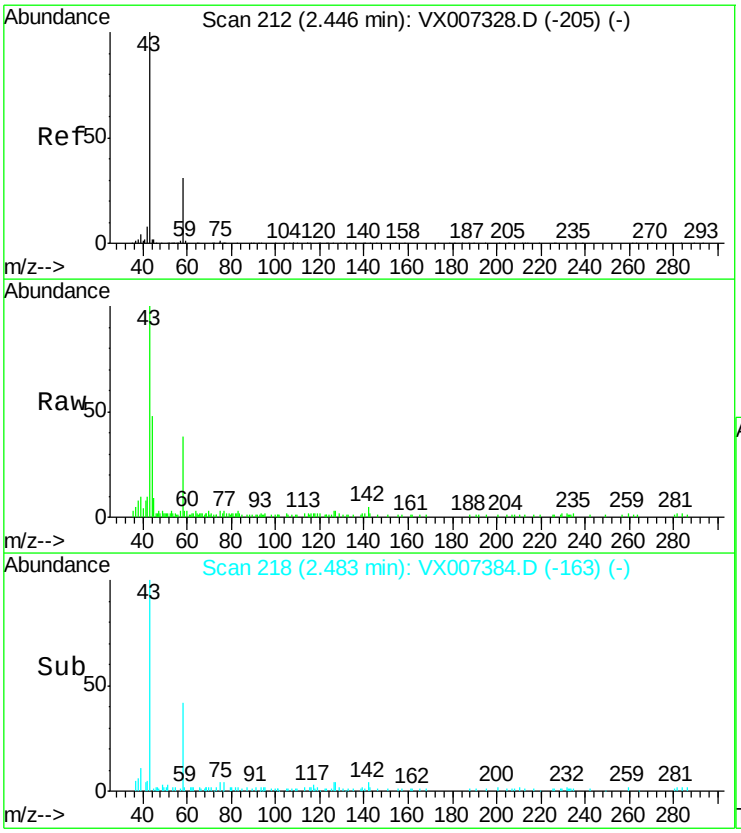

#15
Acrylonitrile
Concen: 0.232 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 53 Resp: 554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 39.2 | 66.4 | 99.6# |
| 51 | 51.8 | 28.4 | 42.6# |

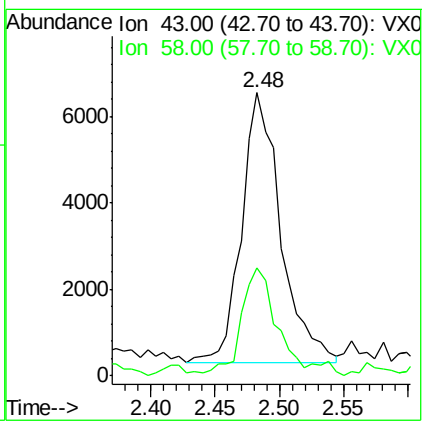


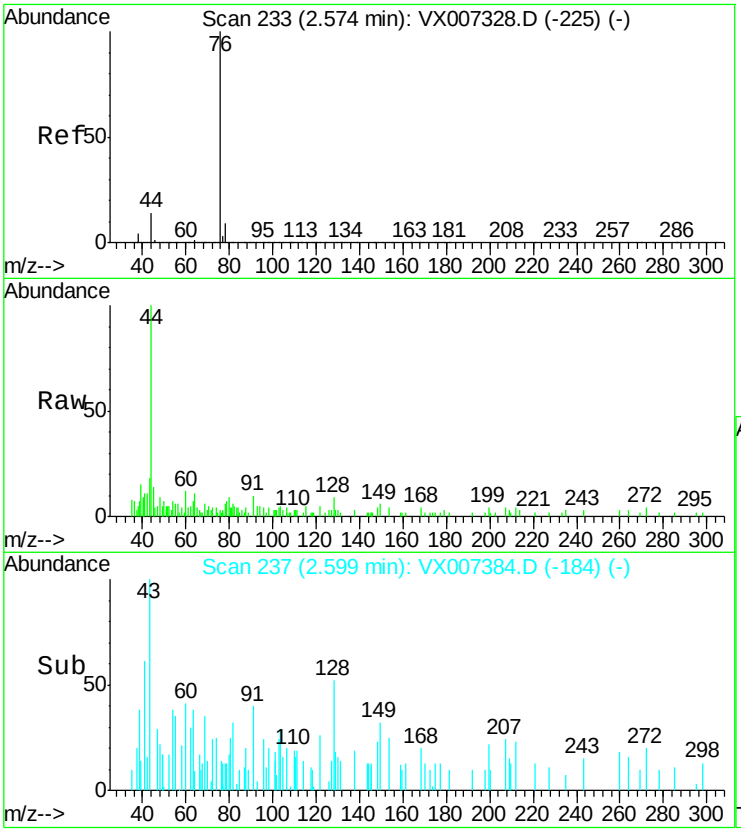




#16
Acetone
Concen: 6.144 ug/l
RT: 2.48 min Scan# 218
Delta R.T. 0.04 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 43 Resp: 13135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 24.9 | 37.3# |



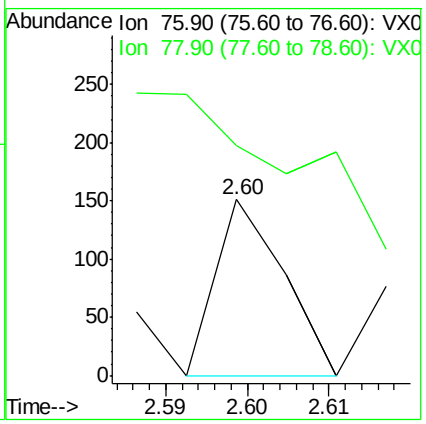


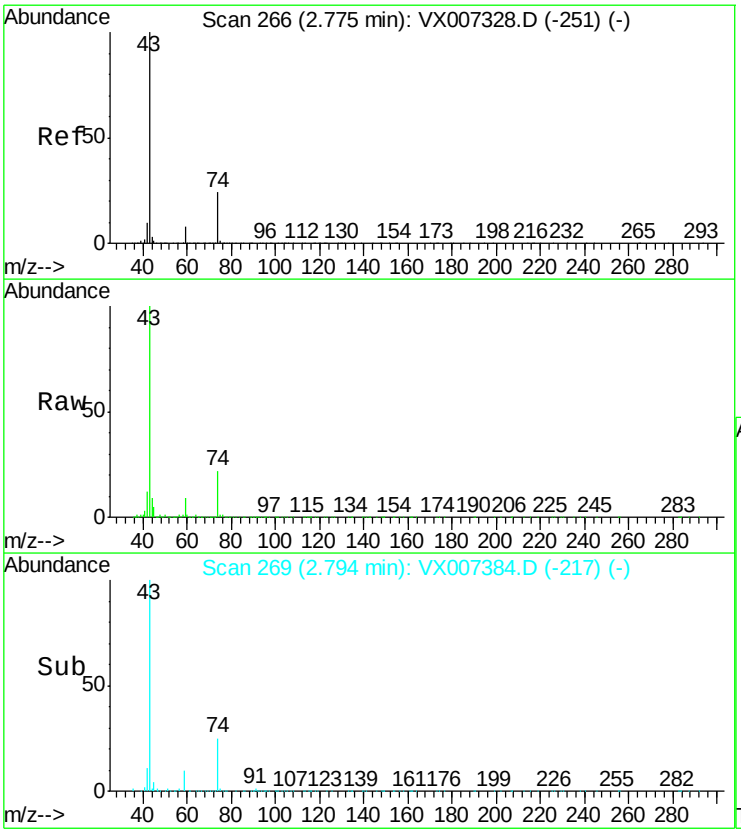

#17
Carbon Disulfide
Concen: 2.129 ug/l
RT: 2.60 min Scan# 237
Delta R.T. 0.02 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 76 Resp: 87

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 3.3 | 7.1 | 10.7# |

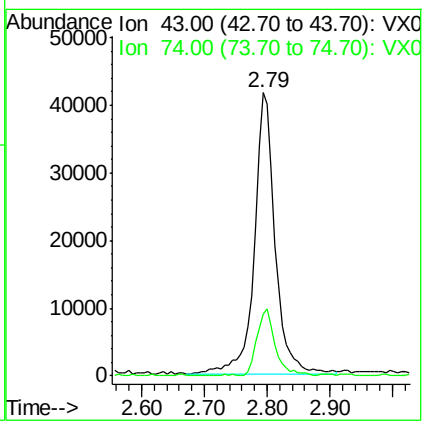


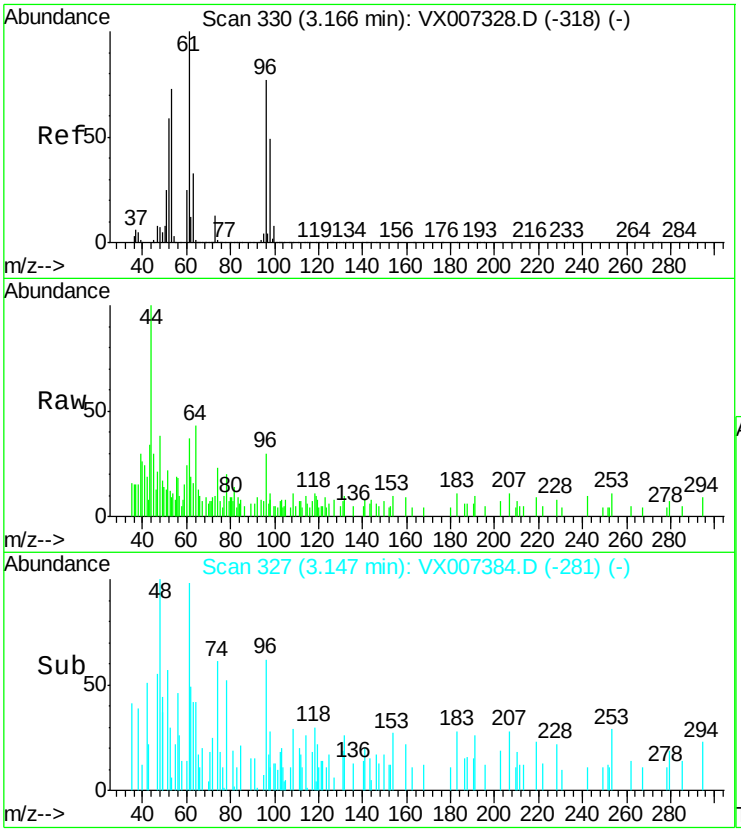




#18
Methyl Acetate
Concen: 17.463 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 43 Resp: 95096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 19.4 | 29.2 |



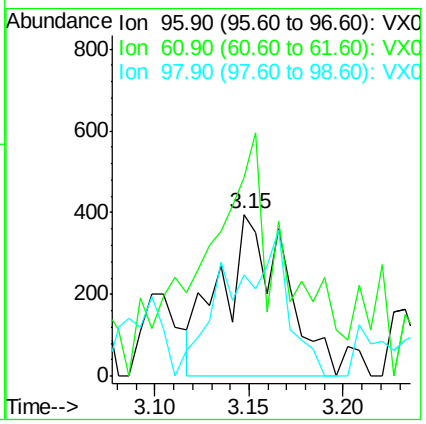


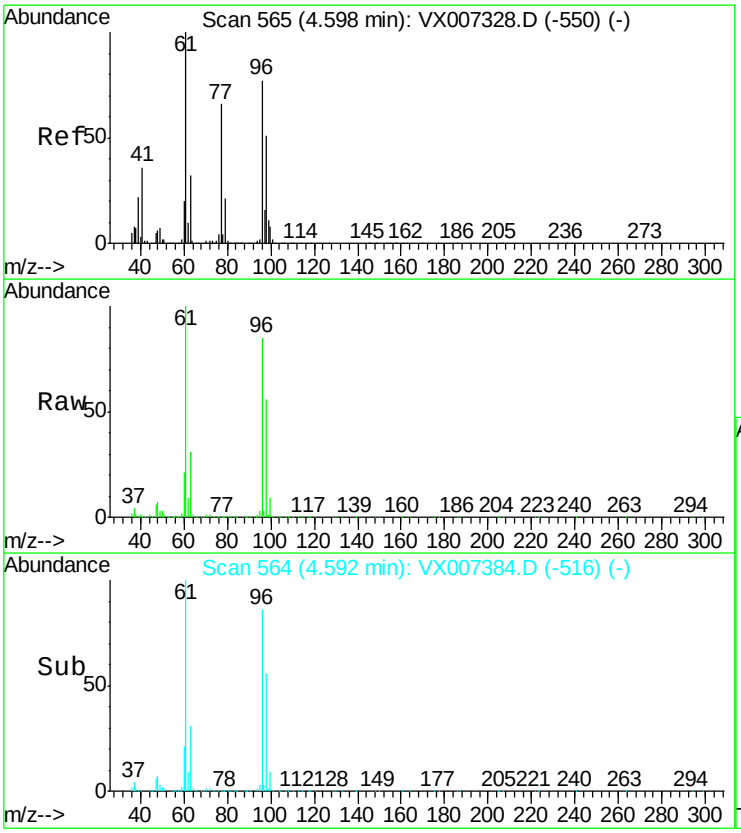

#21
trans-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.02 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-190204

Tgt Ion: 96 Resp: 945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 94.7 | 104.6 | 156.8# |
| 98 | 62.6 | 51.0 | 76.4 |

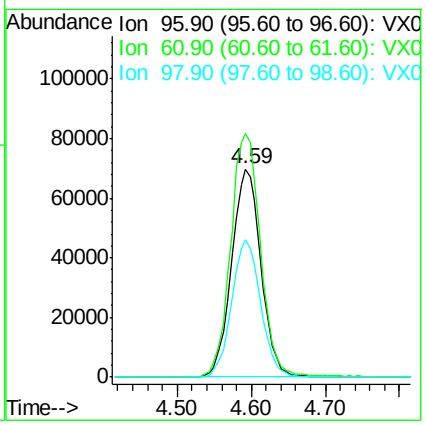


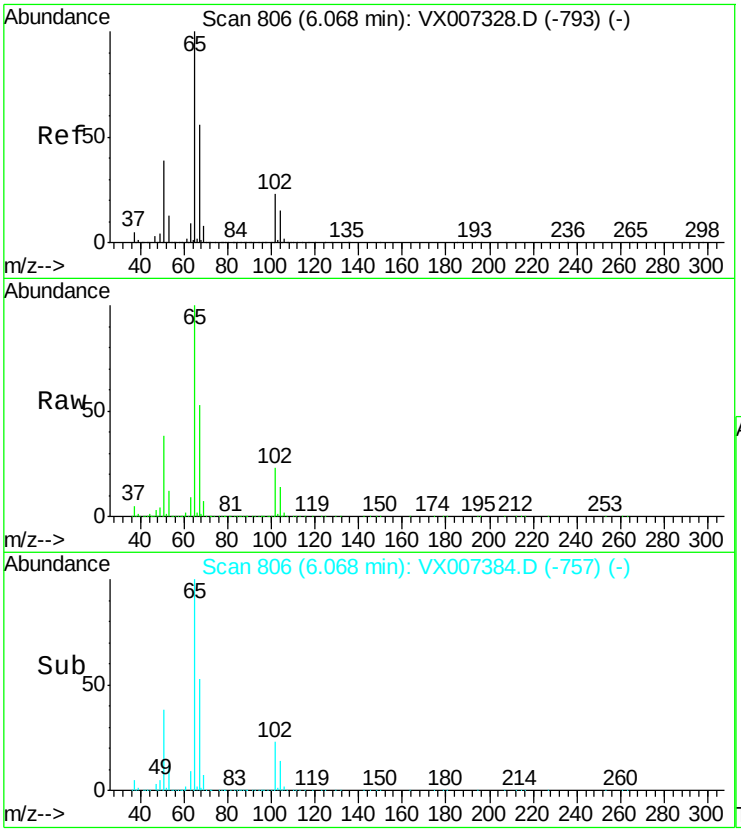




#27
cis-1,2-Dichloroethene
Concen: 39.287 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 96 Resp: 191898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.0 | 0.0 | 265.6 |
| 98 | 65.3 | 0.0 | 131.6 |



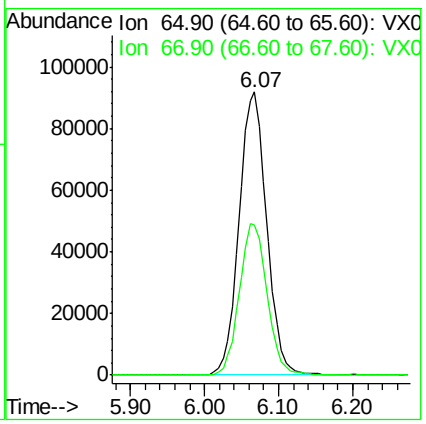


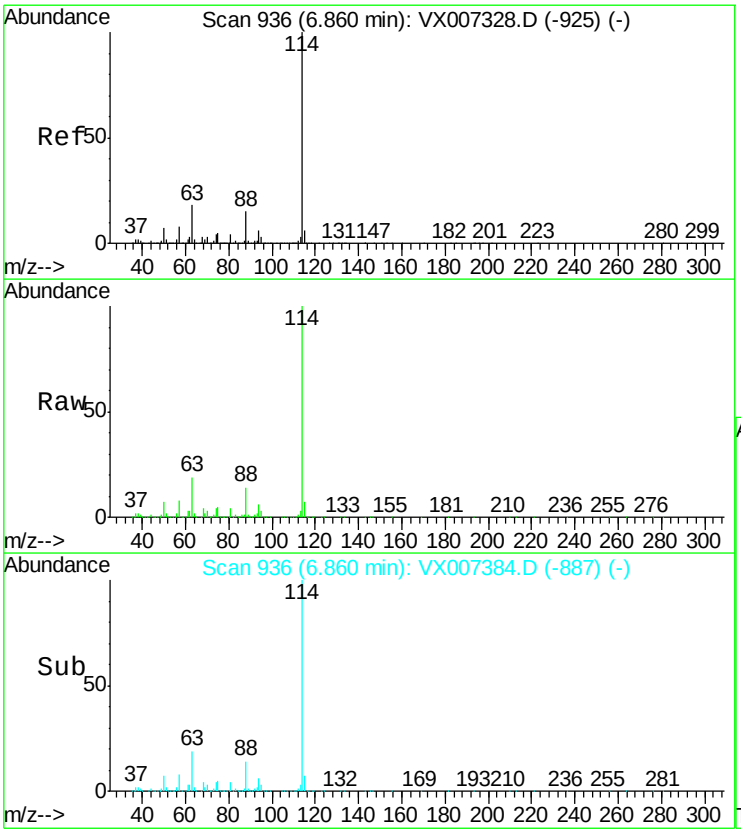

#33
1,2-Dichloroethane-d4
Concen: 51.119 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-190204

Tgt Ion: 65 Resp: 238565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.0 | 0.0 | 108.8 |

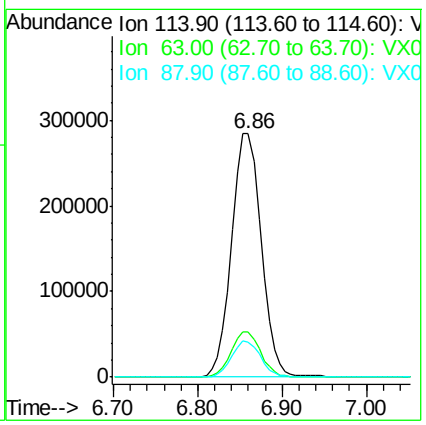


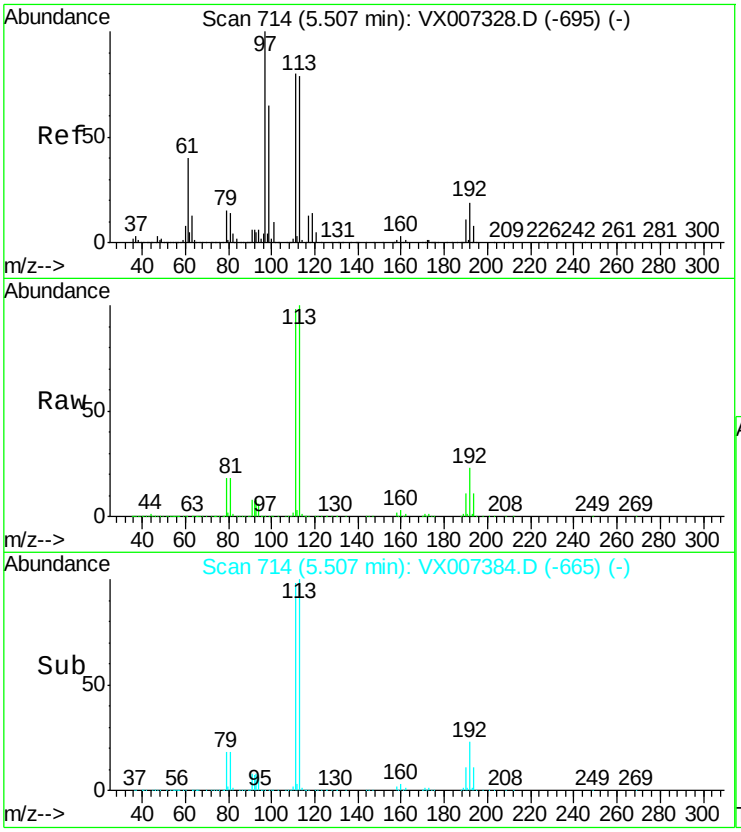




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion:114 Resp: 680191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.8 | 0.0 | 35.6 |
| 88 | 14.1 | 0.0 | 29.6 |



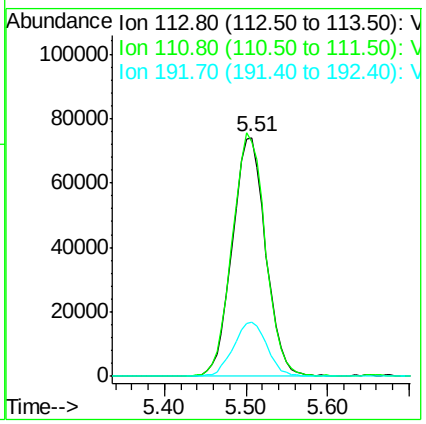


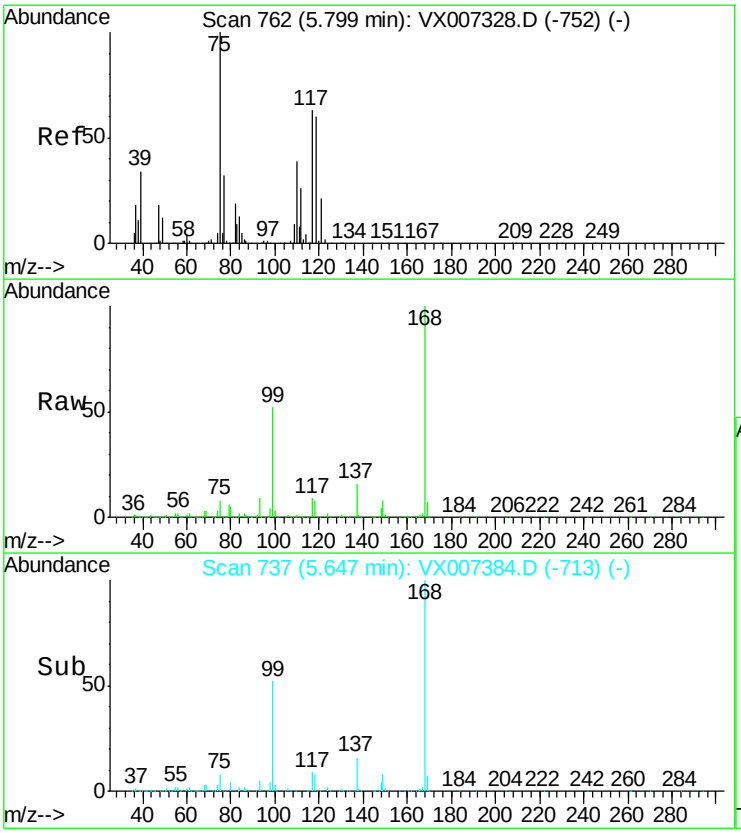

#35
Dibromofluoromethane
Concen: 47.444 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:113 Resp: 209975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 81.8 | 122.8 |
| 192 | 23.0 | 18.5 | 27.7 |

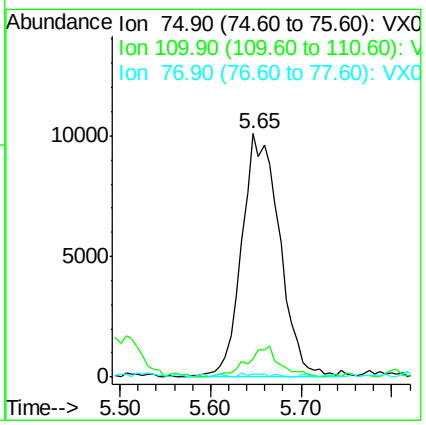


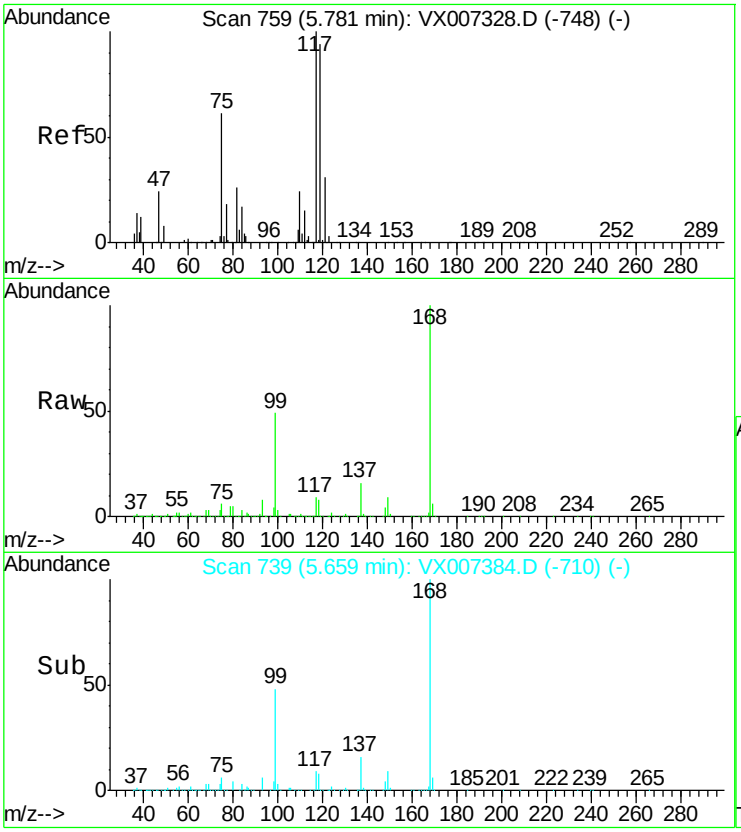




#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.15 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 75 Resp: 29126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 20.0 | 59.9# |
| 77 | 0.8 | 24.7 | 37.1# |



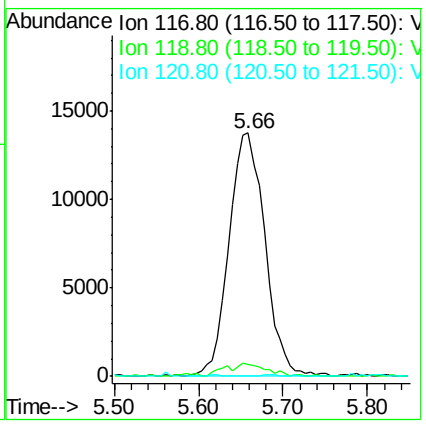


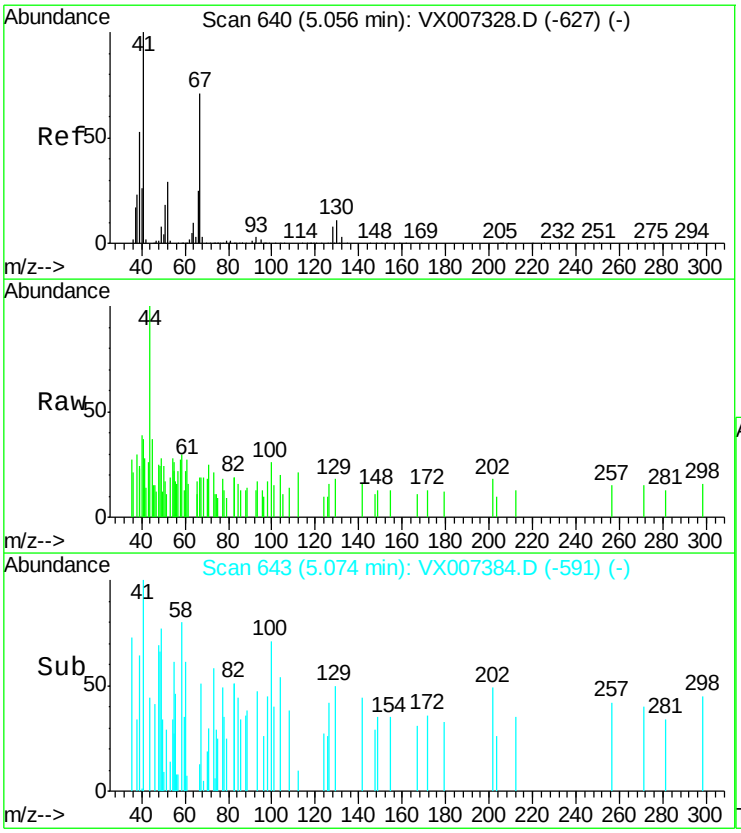

#38
Carbon Tetrachloride
Concen: 6.726 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:117 Resp: 39821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.7 | 75.3 | 112.9# |
| 121 | 0.0 | 25.0 | 37.4# |

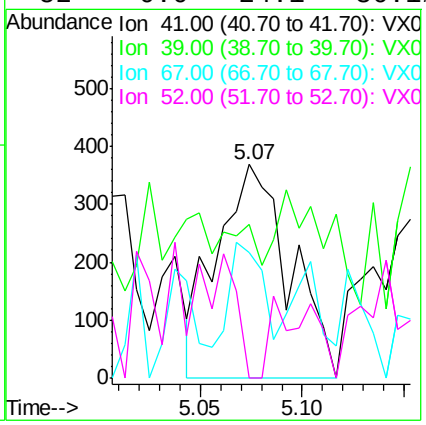


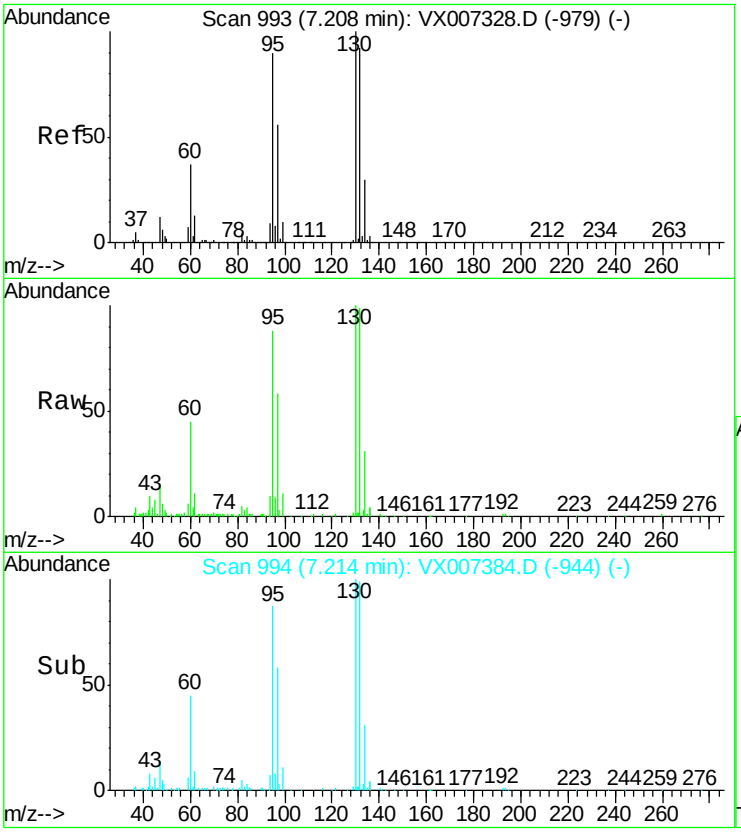




#41
Methacrylonitrile
Concen: 0.278 ug/l
RT: 5.07 min Scan# 643
Delta R.T. 0.02 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 41 Resp: 920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 44.5 | 66.7# |
| 67 | 23.7 | 60.4 | 90.6# |
| 52 | 0.0 | 24.1 | 36.1# |



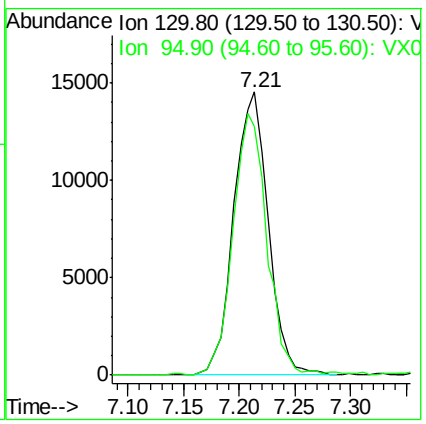


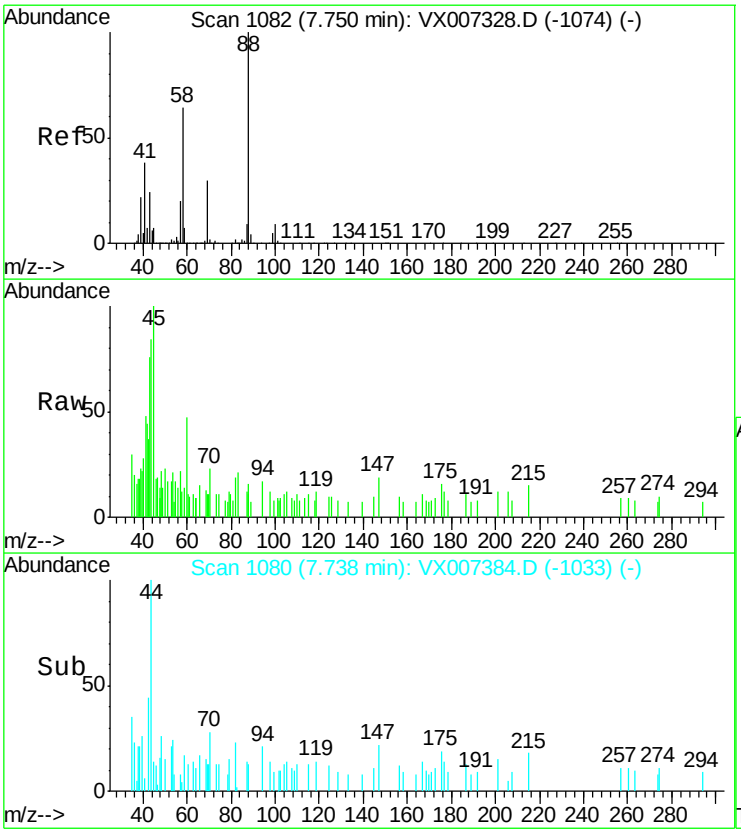

#44
Trichloroethene
Concen: 5.751 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:130 Resp: 31139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 88.0 | 0.0 | 180.0 |

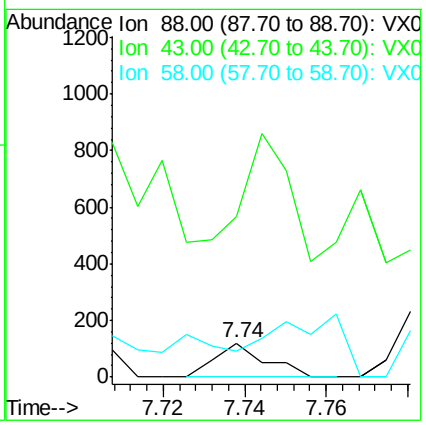


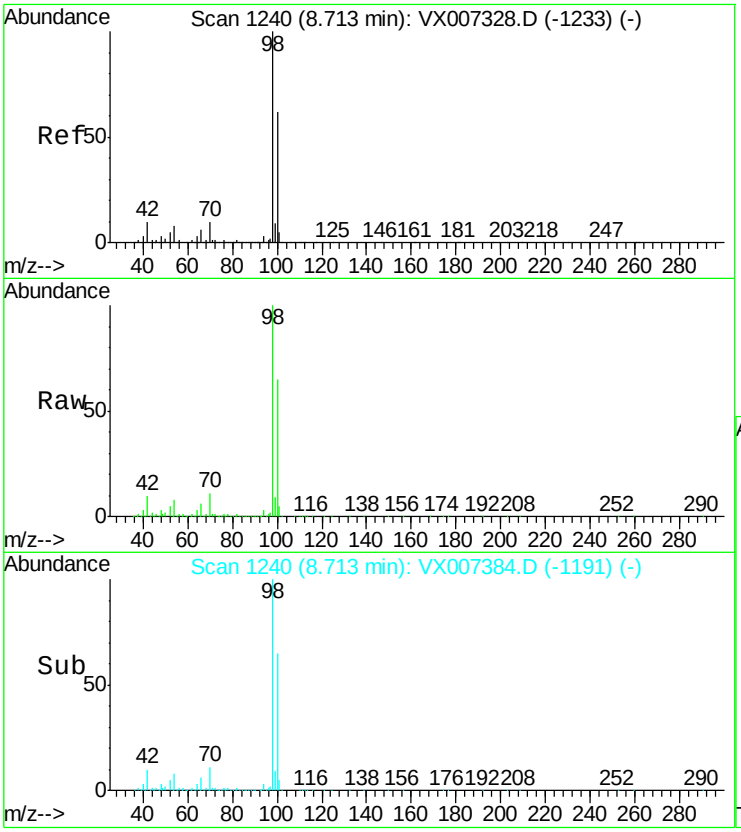




#49
1,4-Dioxane
Concen: 7.832 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 88 Resp: 104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 232.7 | 24.2 | 36.4# |
| 58 | 93.3 | 53.0 | 79.4# |



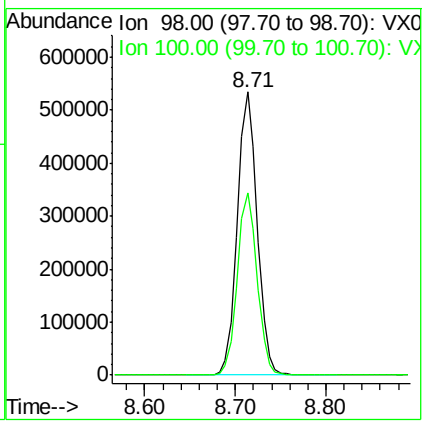


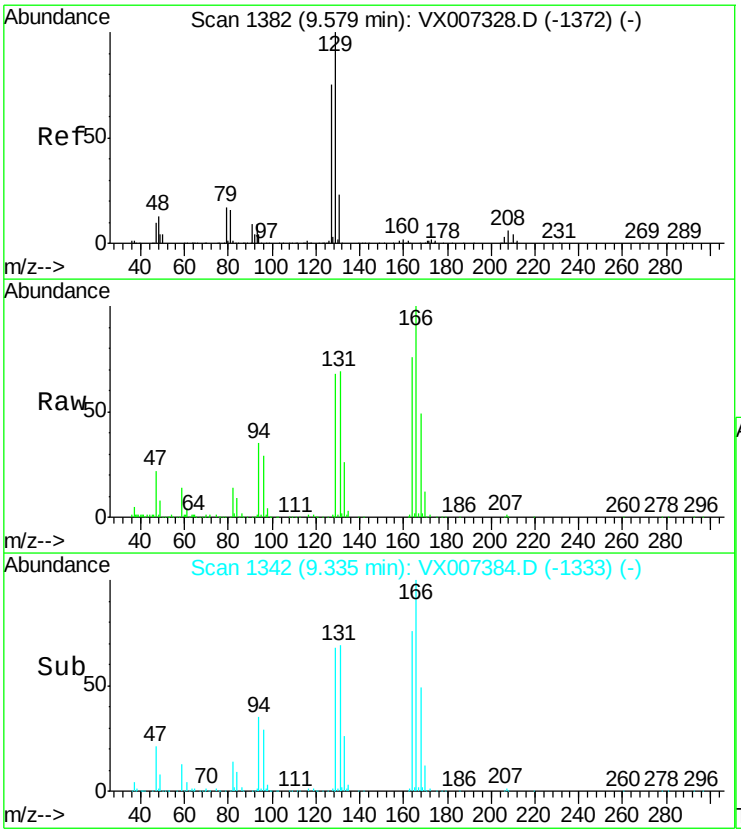

#50
Toluene-d8
Concen: 49.420 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 98 Resp: 811496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 51.6 | 77.4 |

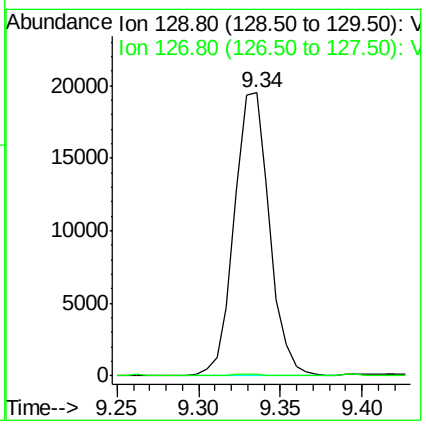


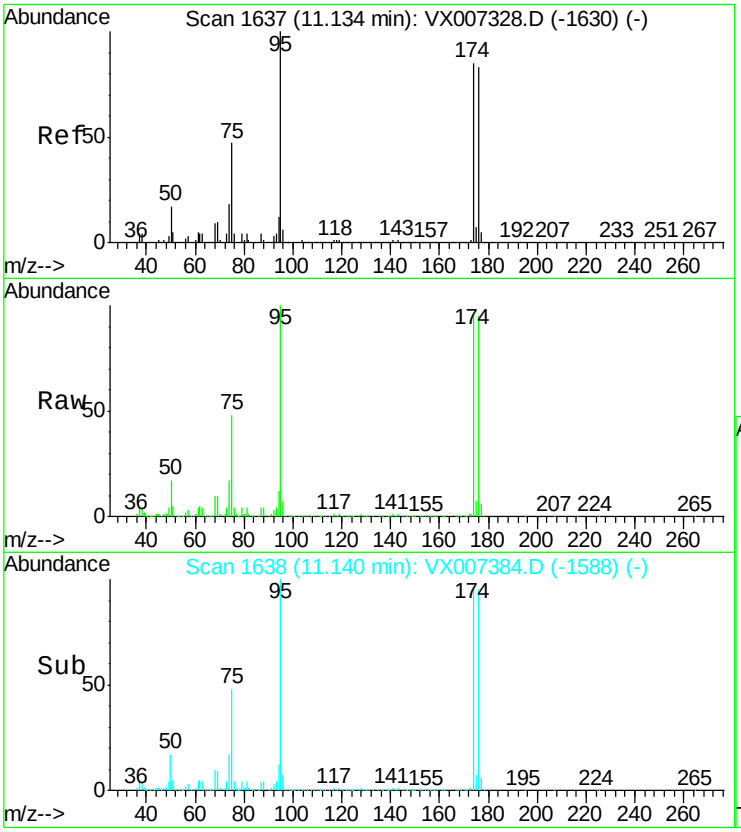




#60
Dibromochloromethane
Concen: 6.372 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion:129 Resp: 29139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.7 | 37.8 | 113.4# |



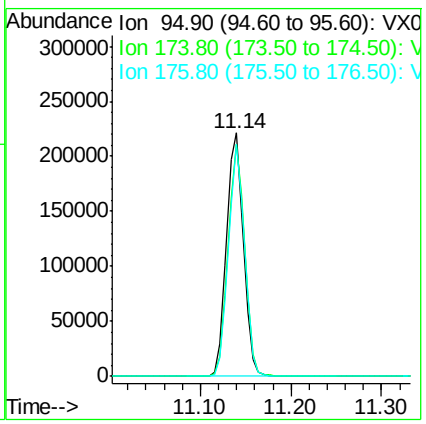


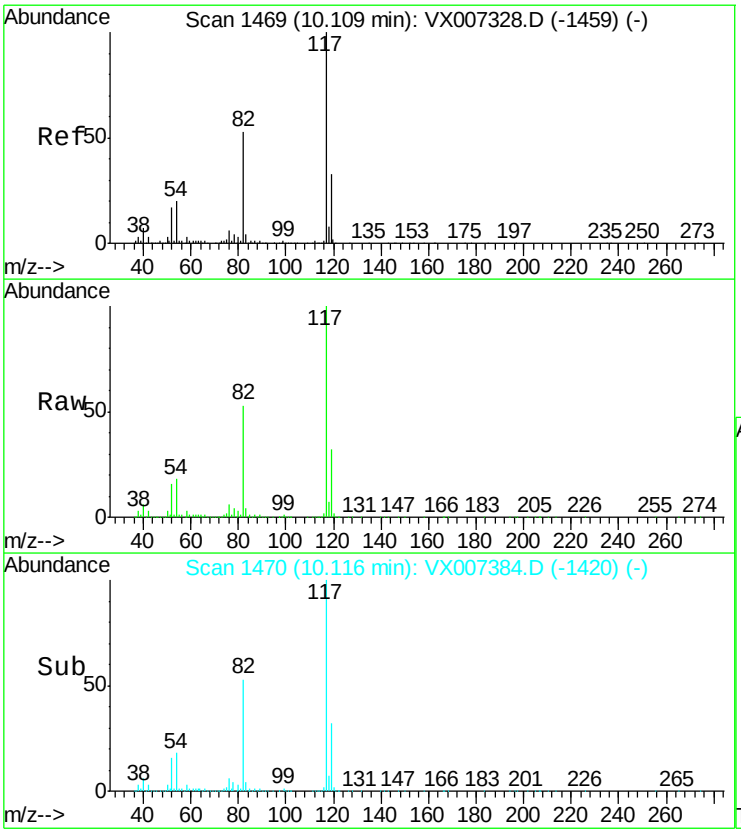

#62
4-Bromofluorobenzene
Concen: 48.003 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 95 Resp: 287784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.7 | 0.0 | 189.2 |
| 176 | 90.8 | 0.0 | 186.2 |

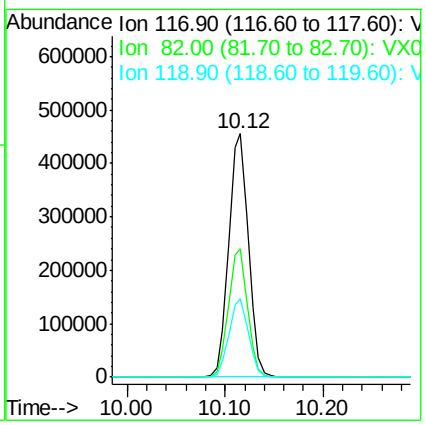


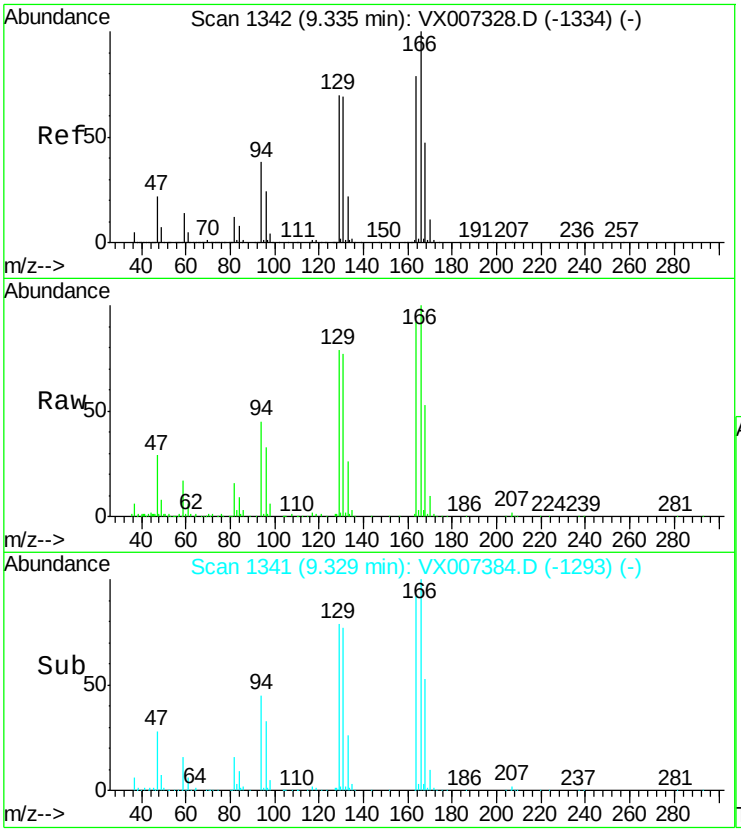




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion:117 Resp: 634203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.5 | 42.1 | 63.1 |
| 119 | 32.4 | 26.5 | 39.7 |



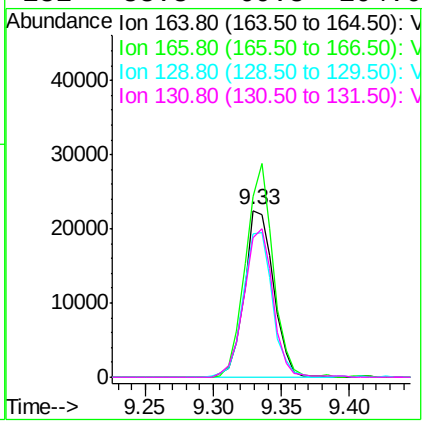


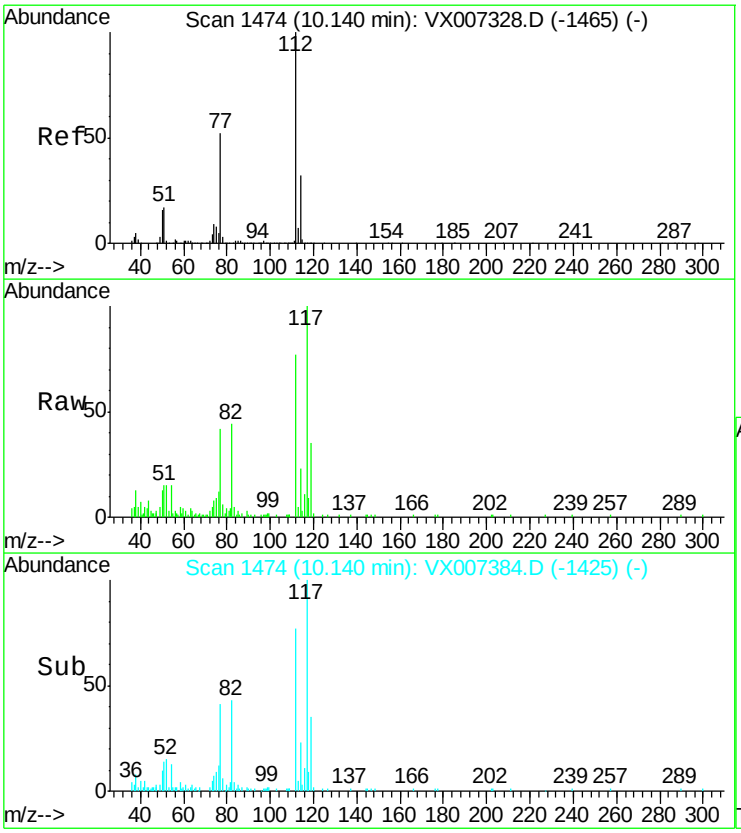

#64
Tetrachloroethene
Concen: 5.648 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:164 Resp: 33762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 108.8 | 101.0 | 151.4 |
| 129 | 86.4 | 70.5 | 105.7 |
| 131 | 83.3 | 69.8 | 104.6 |

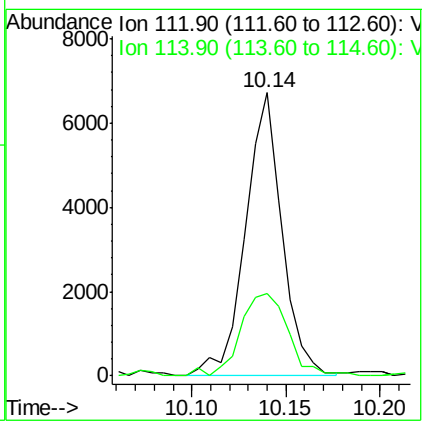


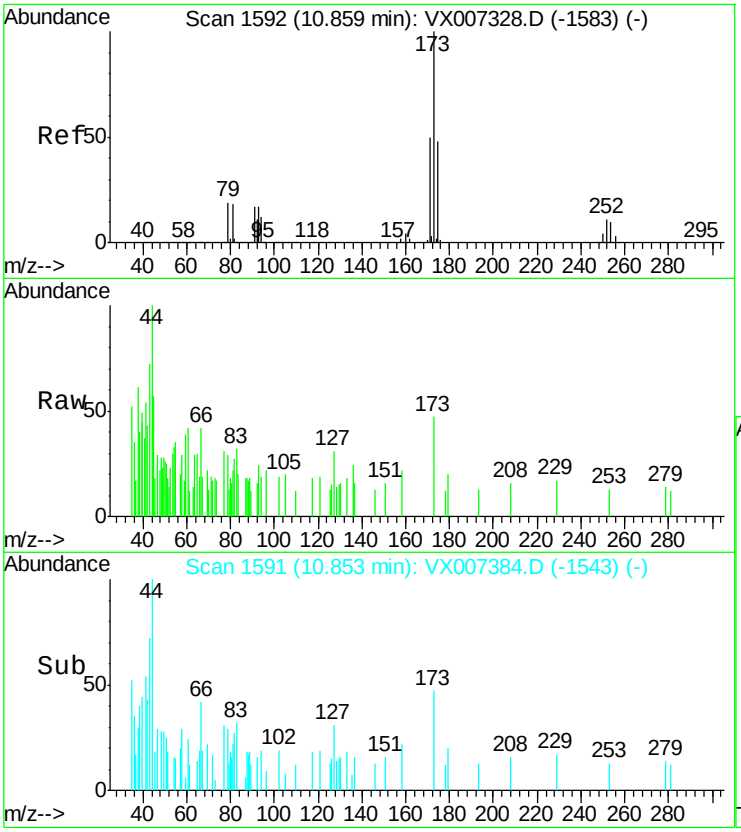




#65
Chlorobenzene
Concen: 0.654 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion:112 Resp: 9049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.3 | 25.8 | 38.6 |



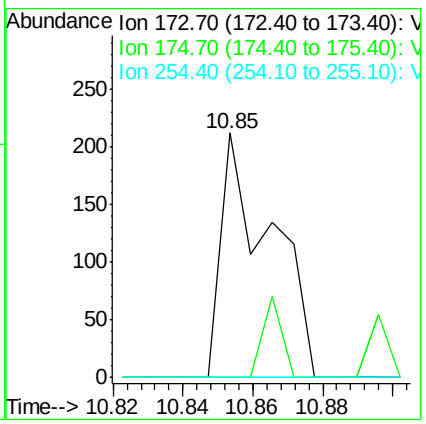


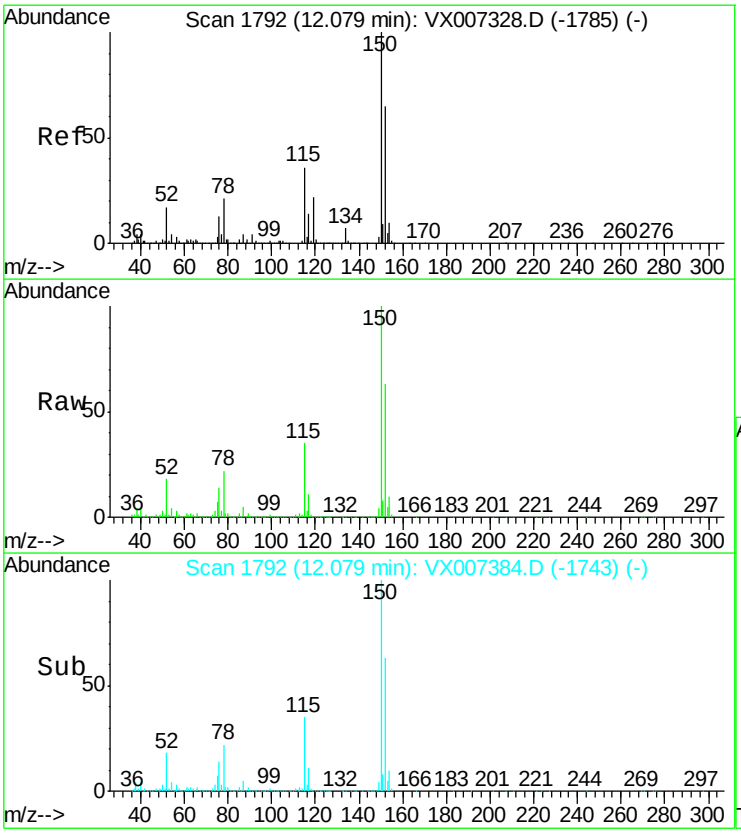

#71
Bromoform
Concen: 4.076 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion:173 Resp: 207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 24.2 | 72.6# |
| 254 | 0.0 | 0.2 | 0.2# |

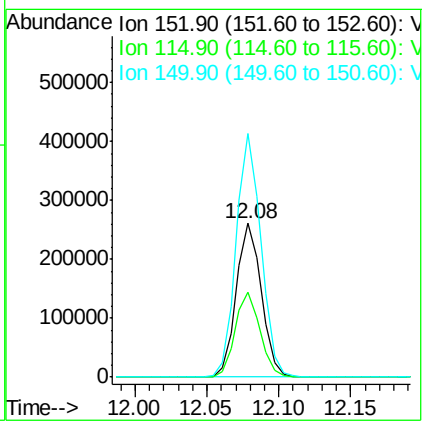


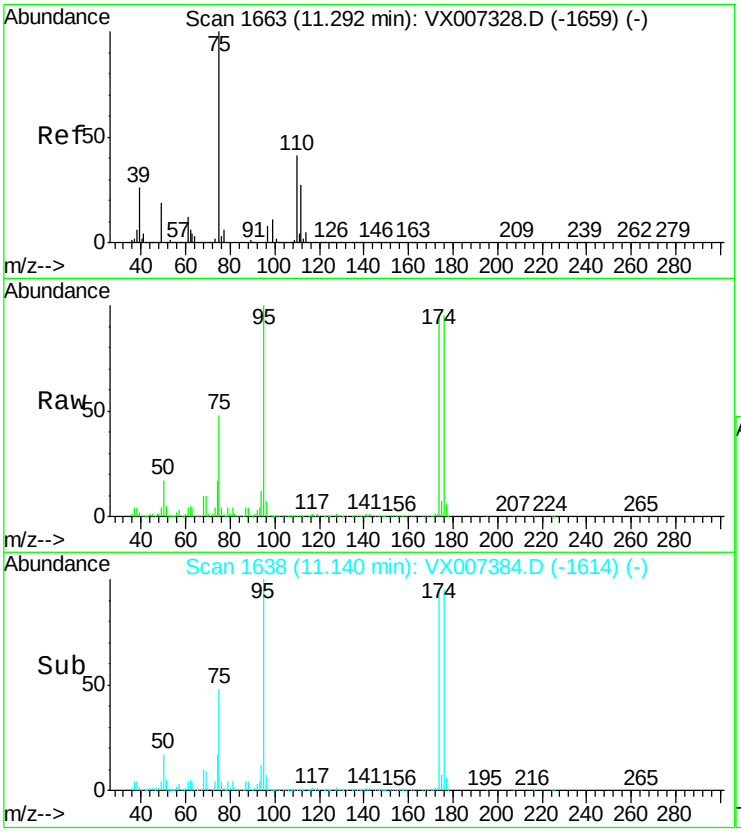




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion:152 Resp: 317726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.5 | 38.0 | 114.0 |
| 150 | 156.8 | 0.0 | 346.4 |



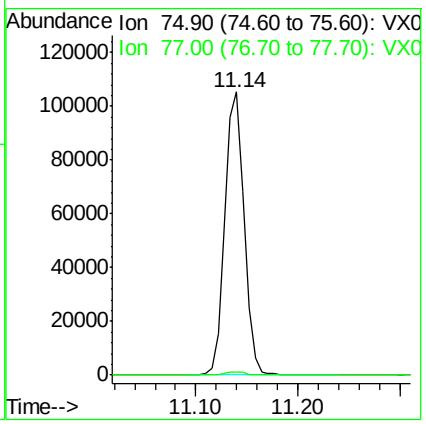


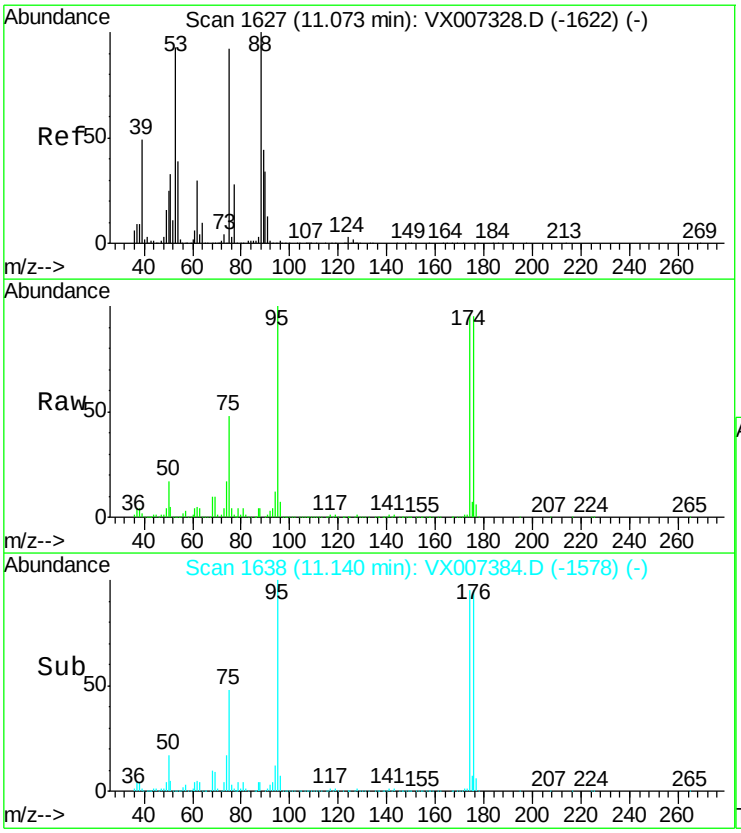

#76
1,2,3-Trichloropropane
Concen: 22.211 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.15 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 75 Resp: 137266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 23.0 | 69.0# |

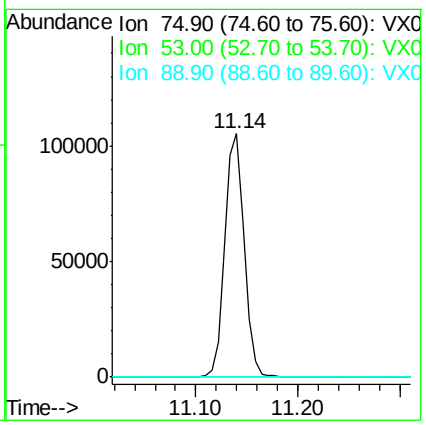


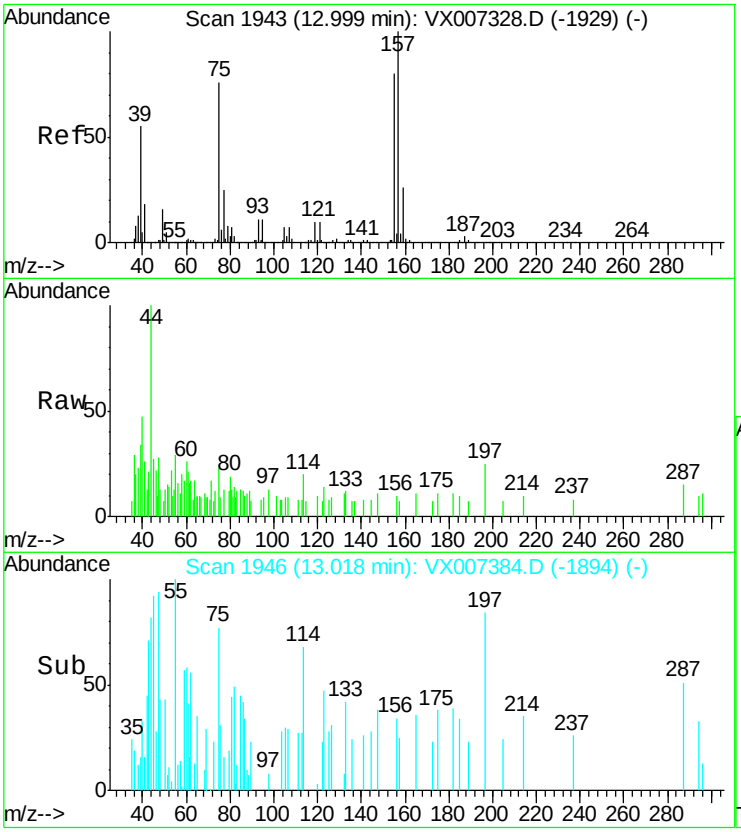




#81
trans-1,4-Dichloro-2-butene
Concen: 67.074 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

Tgt Ion: 75 Resp: 137266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 81.0 | 121.6# |
| 89 | 0.0 | 41.4 | 62.0# |






#92
1,2-Dibromo-3-Chloropropane
Concen: 0.232 ug/l
RT: 13.02 min Scan# 1946
Delta R.T. 0.02 min
Lab File: VX007384.D
Acq: 05 Feb 2019 18:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-190204

Tgt Ion: 75 Resp: 318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 19.2 | 49.6 | 149.0# |
| 157 | 0.0 | 65.1 | 195.3# |