Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
Data File : VX011440.D
Acq On : 11 Aug 2019 18:35
Operator : JC/SP
Sample : K4228-40
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 2S-I3-(1)

Quant Time: Aug 12 07:51:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 195297 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 292894 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 272204 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 123298 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 104000 | 52.88 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.76% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 88335 | 46.19 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.38% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 349382 | 48.40 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.80% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 117680 | 45.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) Chloroethane | 1.75 | 64 | 363 | Below Cal | # | 48 |
| 8) Diethyl Ether | 2.18 | 74 | 318 | 0.269 | ug/l | 59 |
| 11) Tert butyl alcohol | 3.01 | 59 | 3633 | 9.285 | ug/l # | 76 |
| 13) Acrolein | 2.31 | 56 | 26 | Below Cal | # | 1 |
| 16) Acetone | 2.43 | 43 | 9941 | 10.619 | ug/l | 96 |
| 18) Methyl Acetate | 2.78 | 43 | 1069 | 0.500 | ug/l # | 83 |
| 20) Methylene Chloride | 2.85 | 84 | 5441 | 2.654 | ug/l | 95 |
| 25) 2-Butanone | 4.69 | 43 | 489 | 0.367 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.13 | 42 | 234 | 0.287 | ug/l | 91 |
| 31) Cyclohexane | 5.66 | 56 | 4037 | 1.594 | ug/l # | 7 |
| 36) 1,1-Dichloropropene | 5.65 | 75 | 13225 | 5.172 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 5.65 | 117 | 18667 | 7.256 | ug/l # | 14 |
| 43) Isopropyl Acetate | 6.44 | 43 | 8219 | 2.004 | ug/l | 97 |
| 48) Methyl methacrylate | 7.68 | 41 | 3547 | 1.838 | ug/l # | 10 |
| 49) 1,4-Dioxane | 7.74 | 88 | 26 | 0.465 | ug/l # | 29 |
| 51) 4-Methyl-2-Pentanone | 8.61 | 43 | 41740 | 15.771 | ug/l # | 47 |
| 53) t-1,3-Dichloropropene | 9.02 | 75 | 46 | 2.854 | ug/l # | 43 |
| 54) cis-1,3-Dichloropropene | 8.61 | 75 | 21014 | 7.365 | ug/l # | 68 |
| 57) 1,3-Dichloropropane | 9.54 | 76 | 5237 | 1.596 | ug/l # | 42 |
| 59) 2-Hexanone | 9.54 | 43 | 67072 | 32.718 | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 60238 | 26.827 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 60238 | 69.677 | ug/l # | 10 |

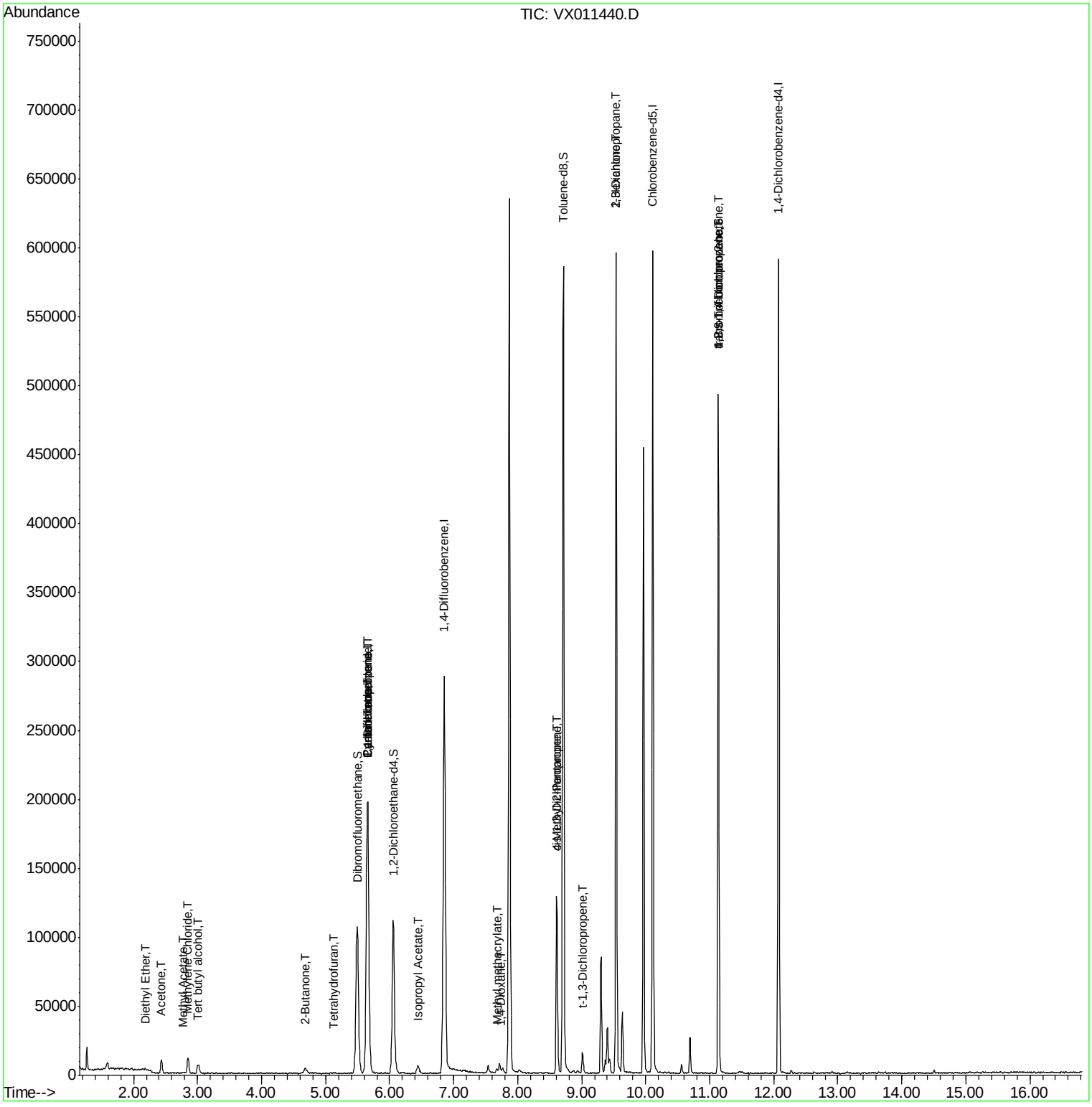
(#) = qualifier out of range (m) = manual integration (+) = signals summed

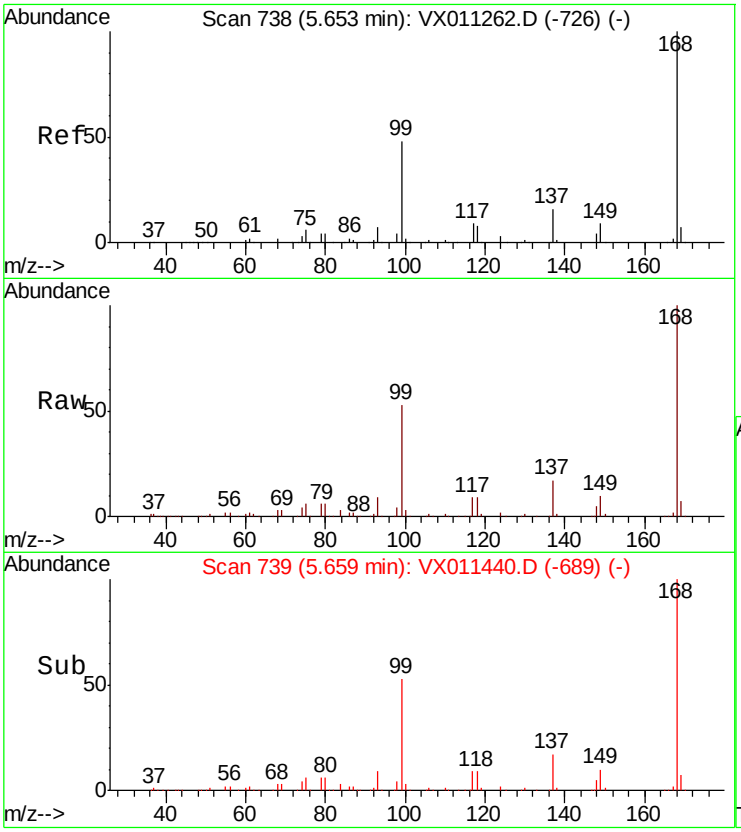
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
Data File : VX011440.D
Acq On : 11 Aug 2019 18:35
Operator : JC/SP
Sample : K4228-40
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Quant Time: Aug 12 07:51:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration



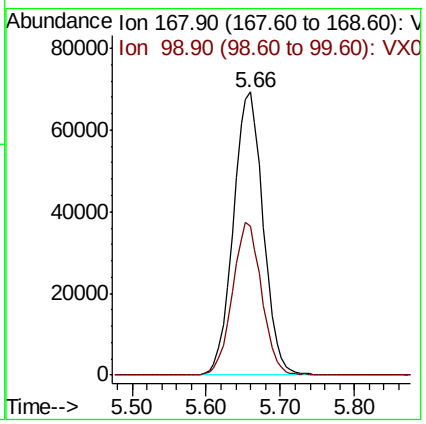


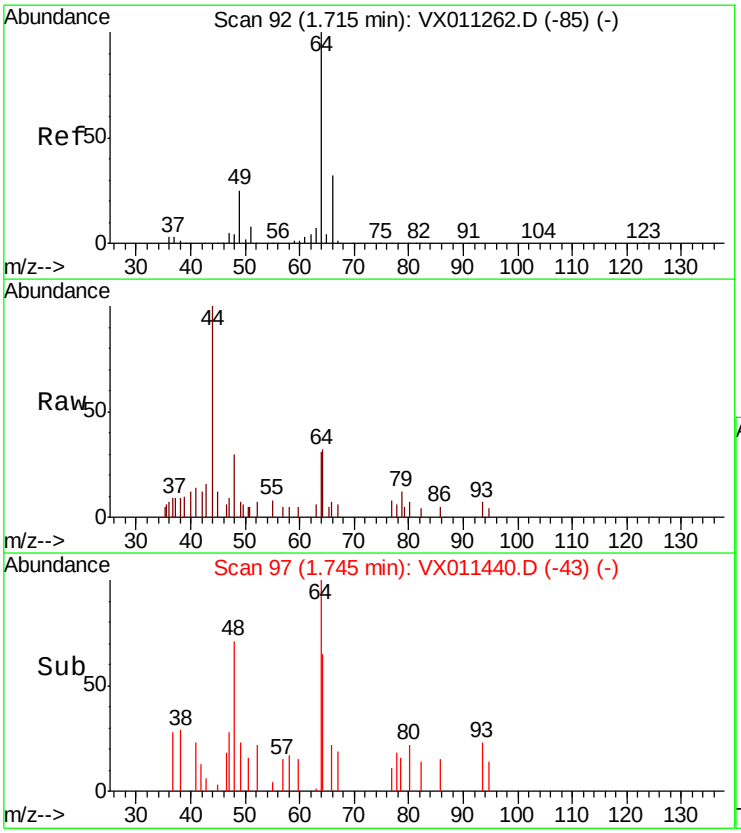

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.01 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion:168 Resp: 195297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.7 | 38.5 | 57.7 |

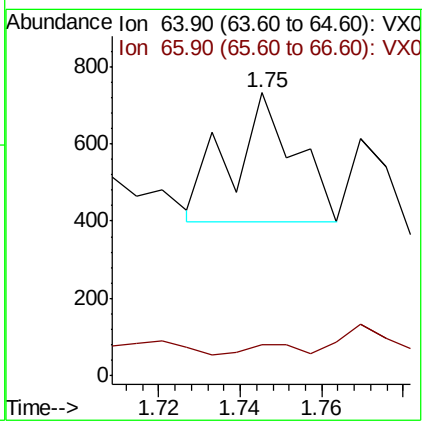


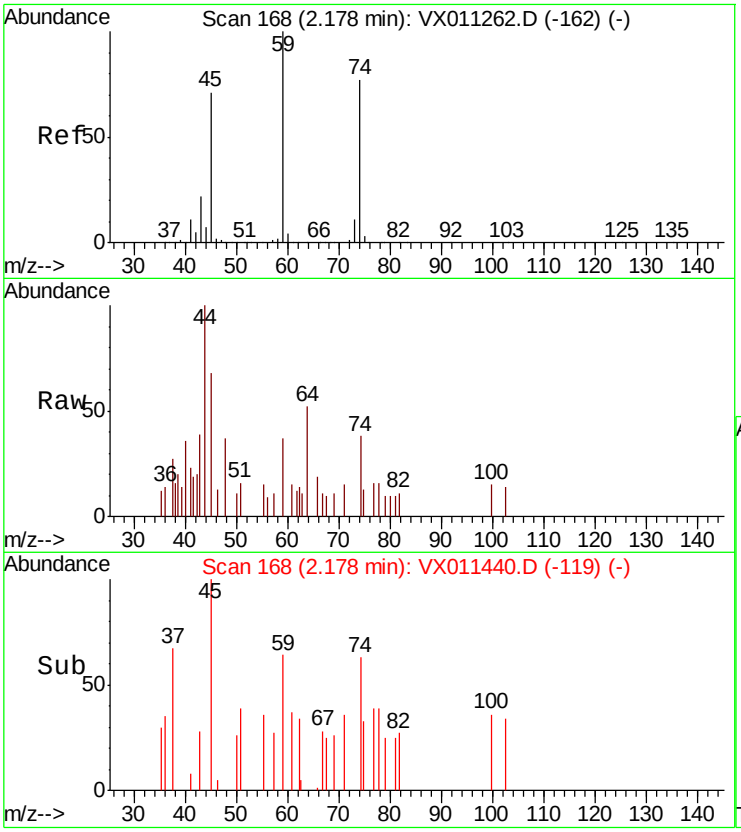




#6
Chloroethane
Concen: Below Cal
RT: 1.75 min Scan# 97
Delta R.T. 0.03 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 64 Resp: 363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 2.4 | 25.1 | 37.7# |



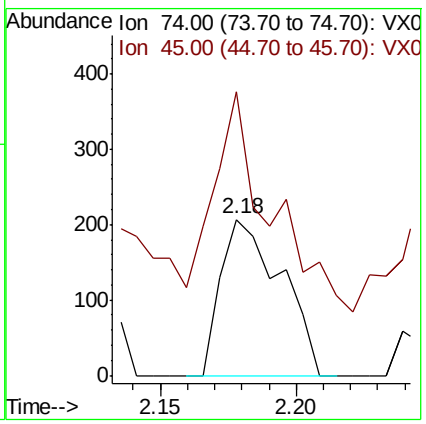


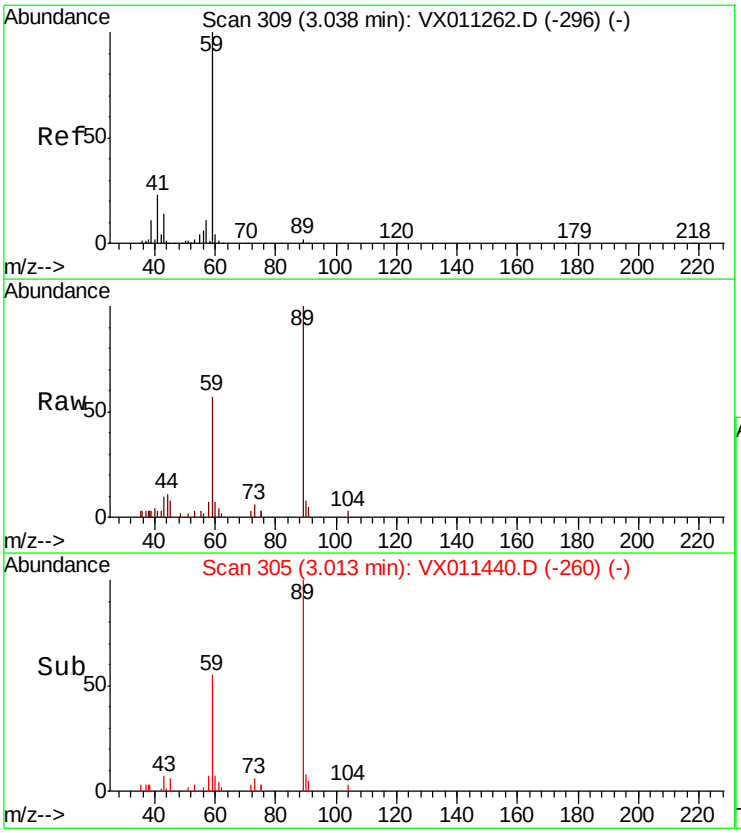

#8
Diethyl Ether
Concen: 0.269 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 74 Resp: 318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 131.4 | 46.1 | 138.3 |

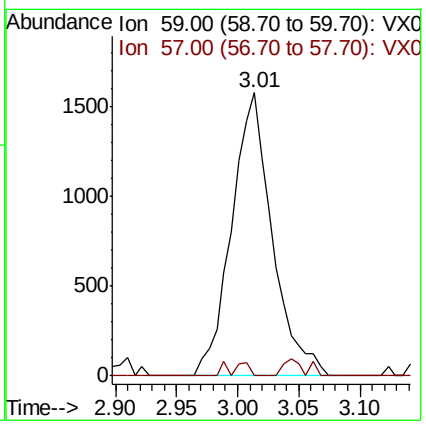


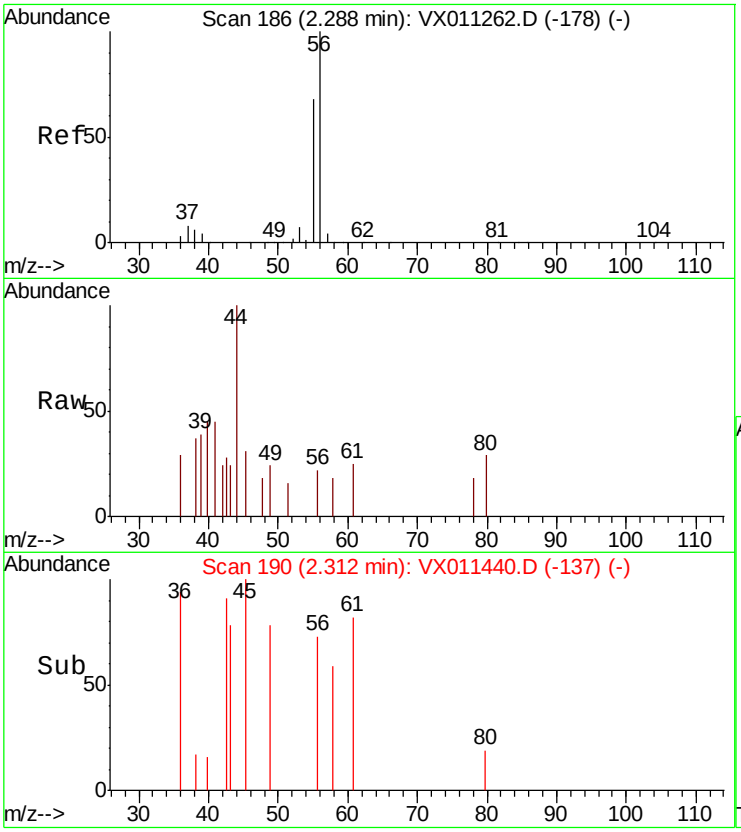




#11
Tert butyl alcohol
Concen: 9.285 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 59 Resp: 3633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 1.4 | 8.3 | 12.5# |



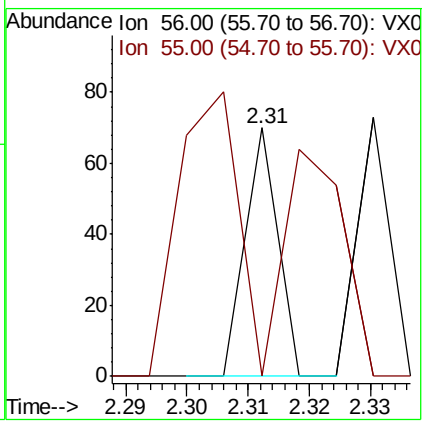


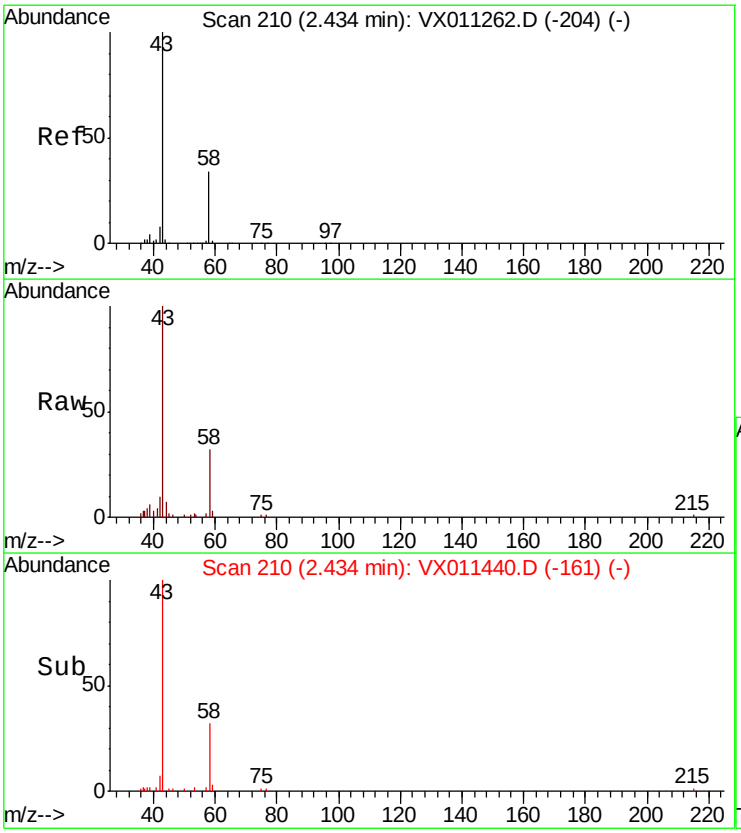

#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 190
Delta R.T. 0.03 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 56 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 207.7 | 56.0 | 84.0# |

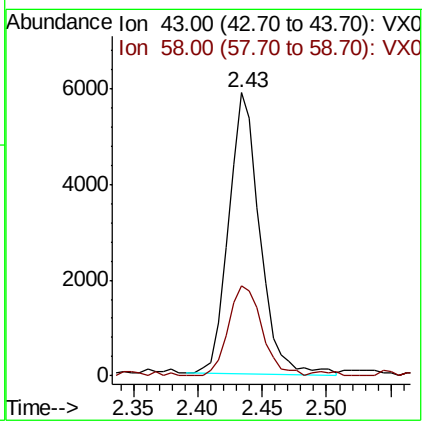


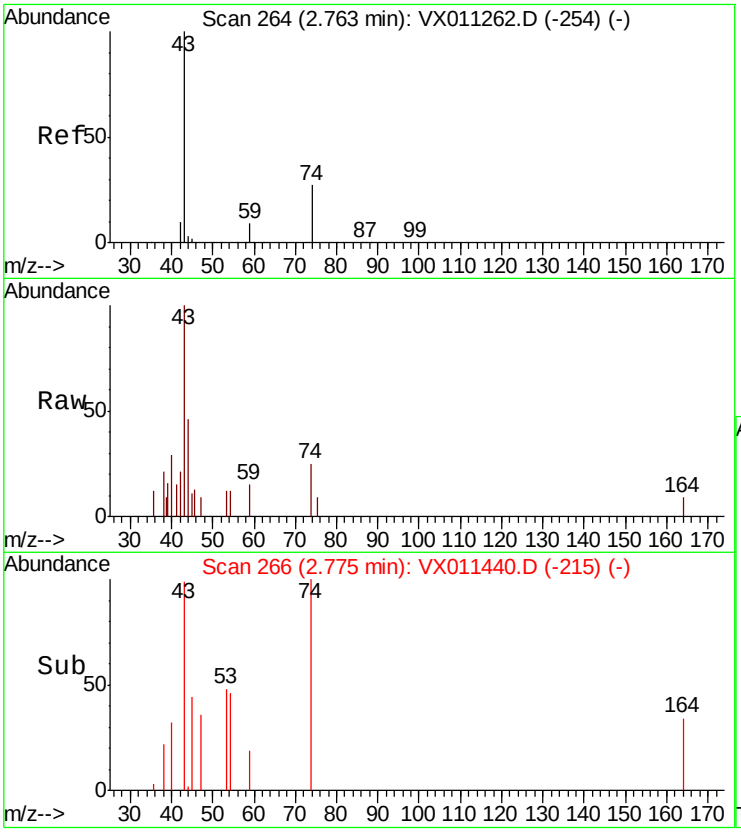




#16
Acetone
Concen: 10.619 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 43 Resp: 9941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.0 | 27.4 | 41.0 |



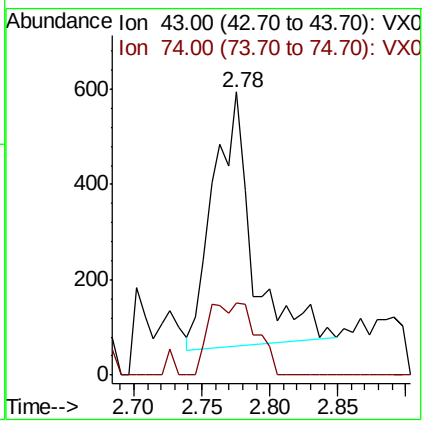


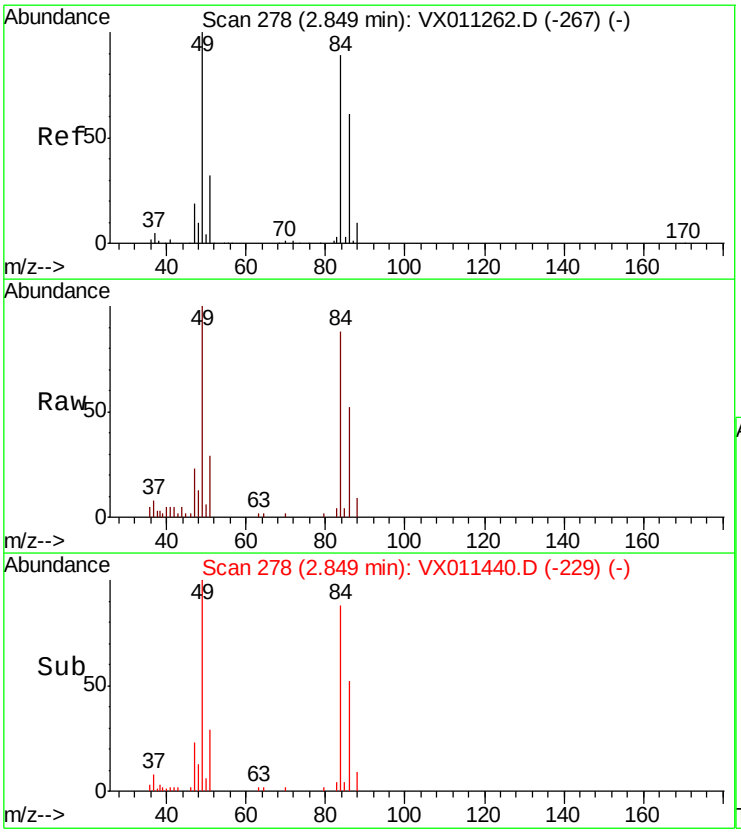

#18
Methyl Acetate
Concen: 0.500 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 43 Resp: 1069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 34.8 | 21.0 | 31.6# |

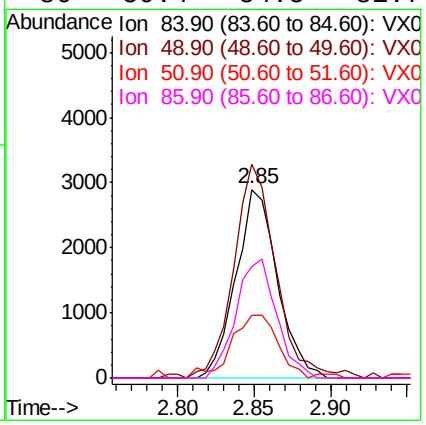


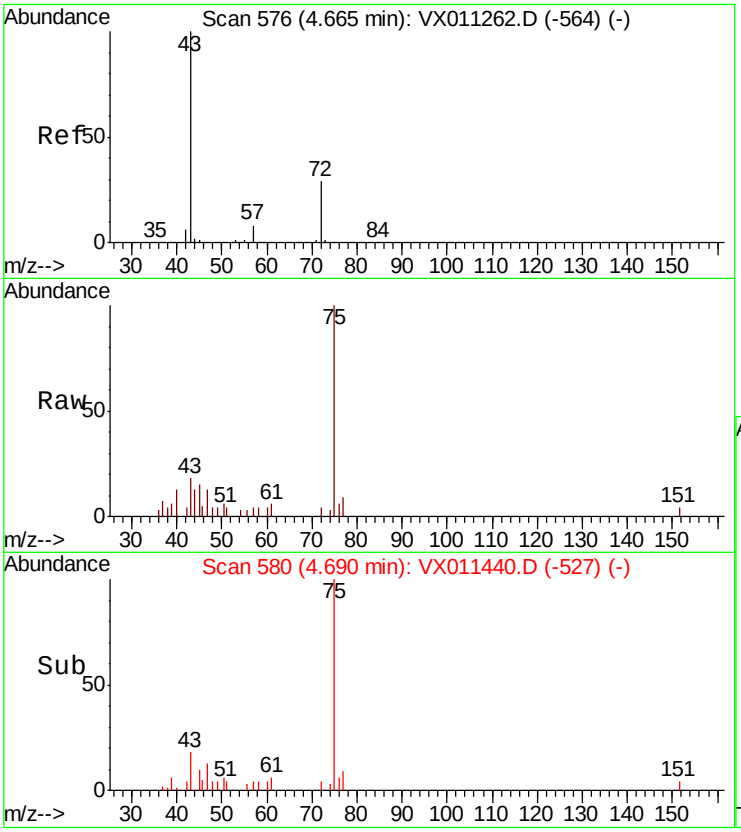




#20
Methylene Chloride
Concen: 2.654 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 84 Resp: 5441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 113.5 | 89.3 | 133.9 |
| 51 | 33.0 | 28.3 | 42.5 |
| 86 | 59.4 | 54.5 | 81.7 |



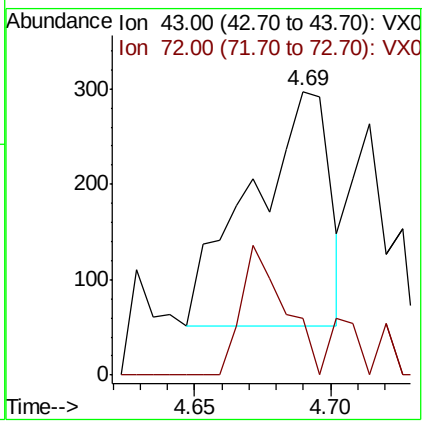


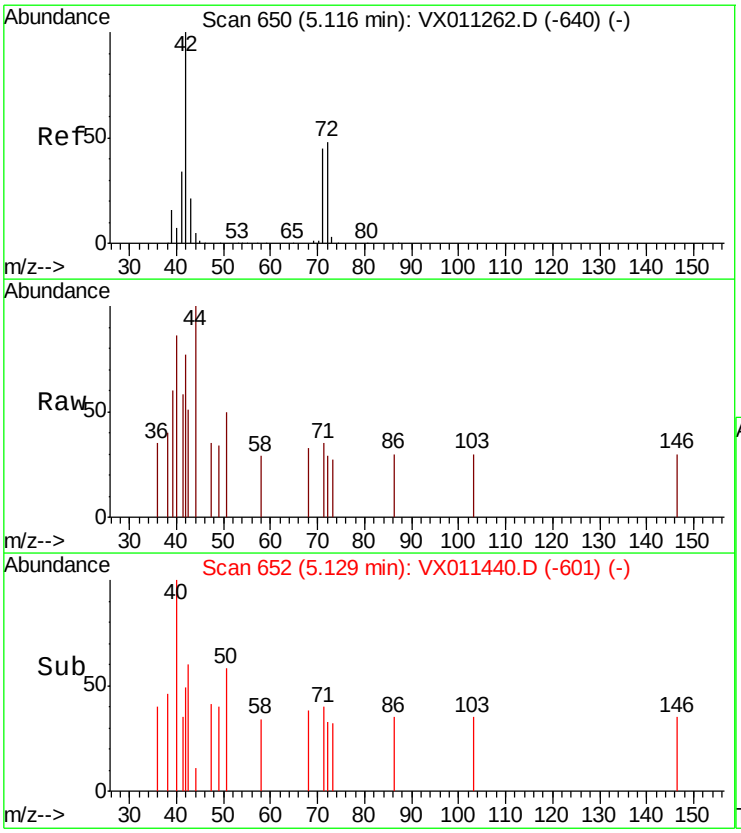

#25
2-Butanone
Concen: 0.367 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 43 Resp: 489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.5 | 23.2 | 34.8 |

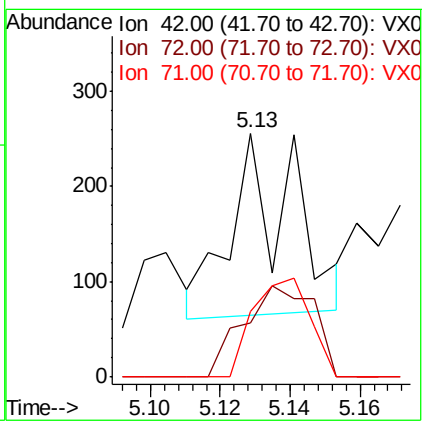


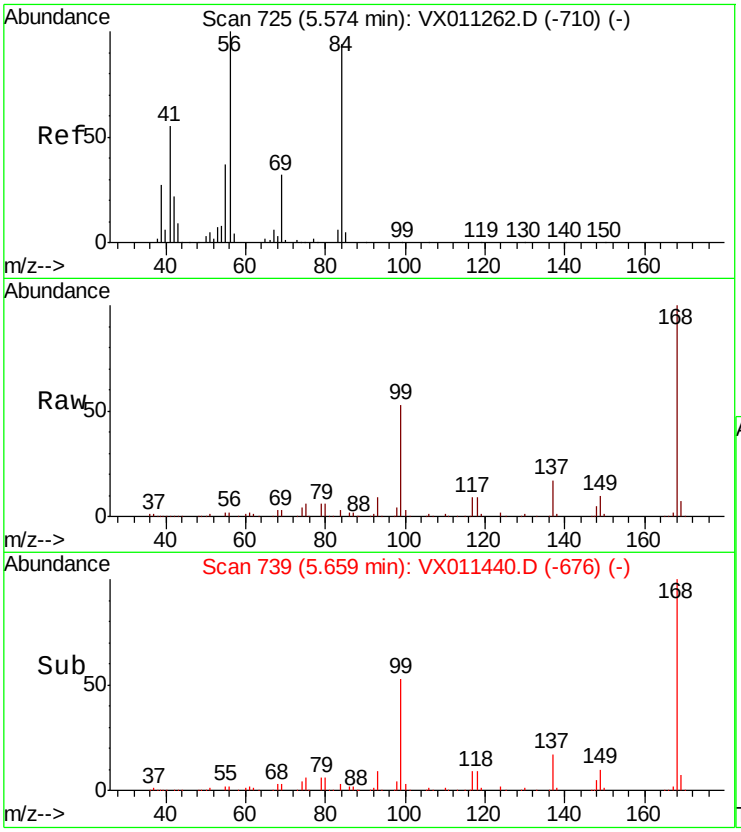




#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 42 Resp: 234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 57.7 | 39.9 | 59.9 |
| 71 | 50.0 | 36.9 | 55.3 |



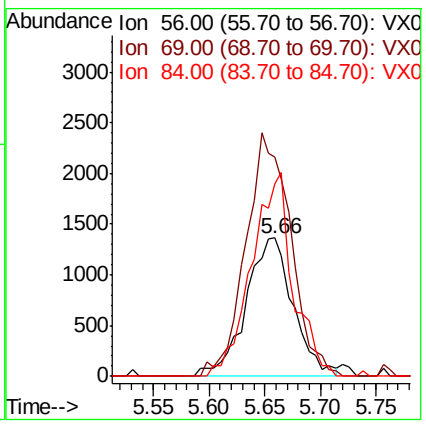


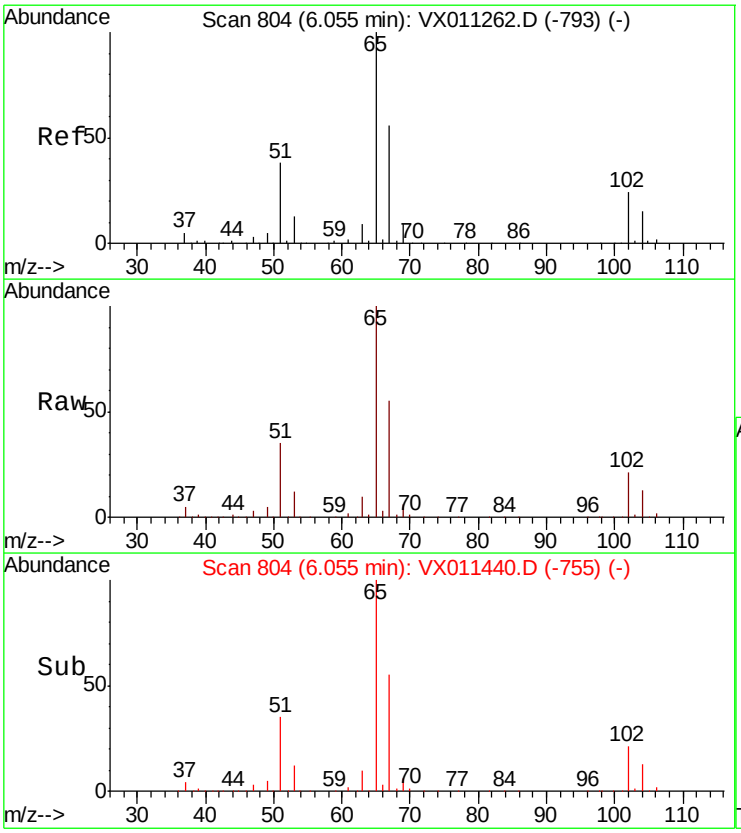

#31
Cyclohexane
Concen: 1.594 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 56 Resp: 4037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 158.0 | 25.5 | 38.3# |
| 84 | 139.0 | 75.0 | 112.4# |

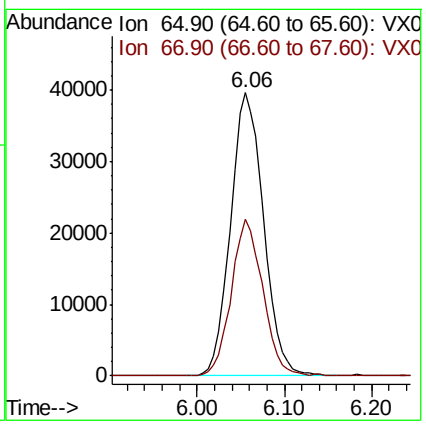


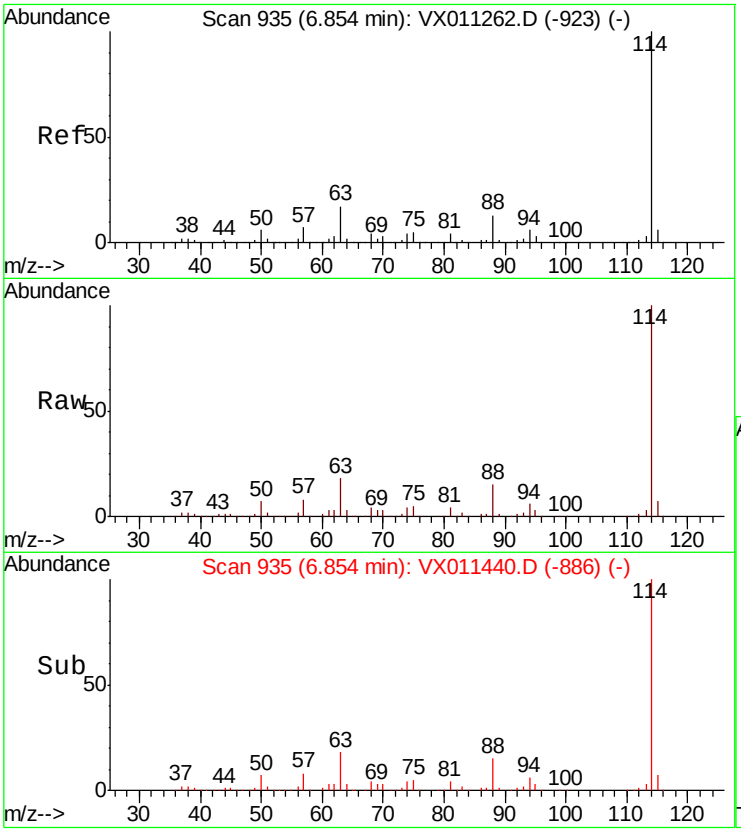




#33
1,2-Dichloroethane-d4
Concen: 52.879 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 65 Resp: 104000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 110.6 |



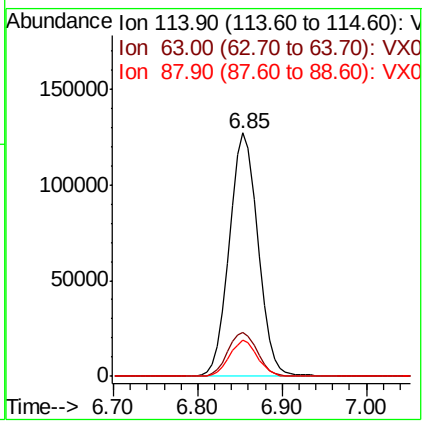


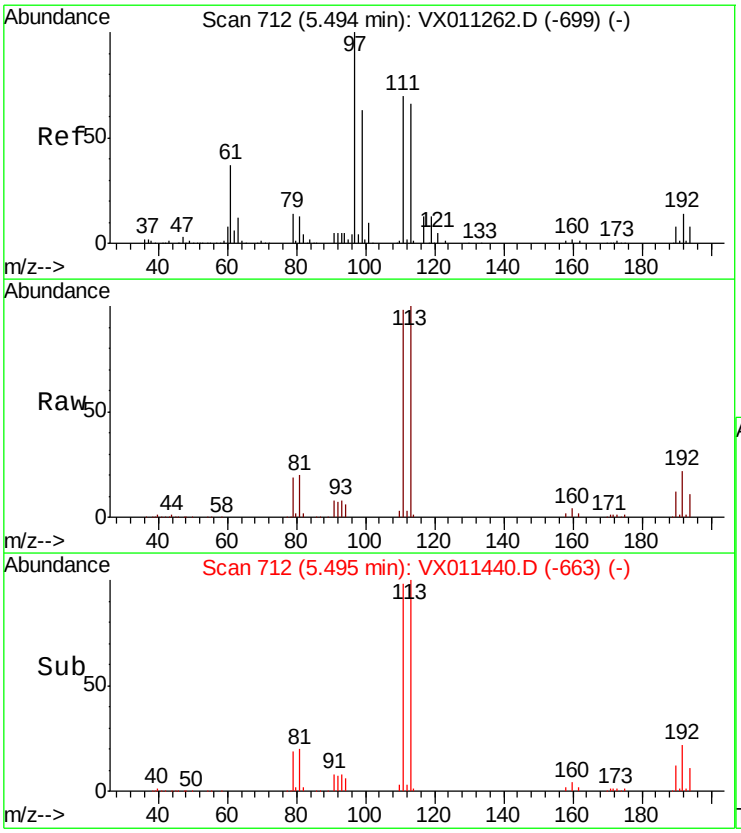

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion:114 Resp: 292894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.8 | 0.0 | 34.0 |
| 88 | 14.7 | 0.0 | 26.4 |

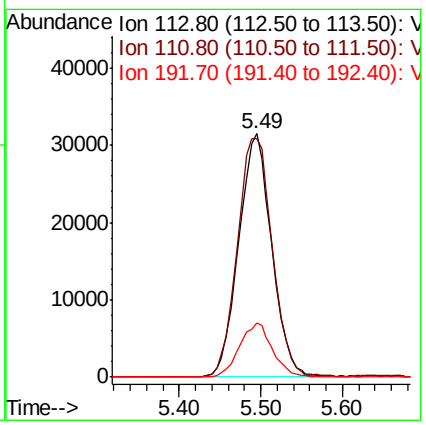


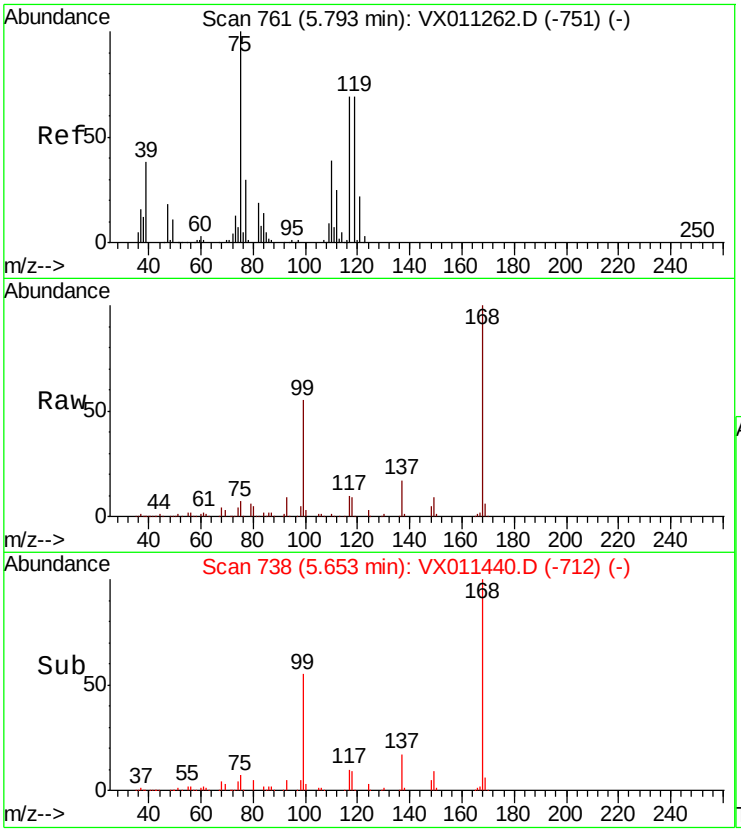




#35
Dibromofluoromethane
Concen: 46.195 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion:113 Resp: 88335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 81.9 | 122.9 |
| 192 | 22.1 | 17.8 | 26.8 |



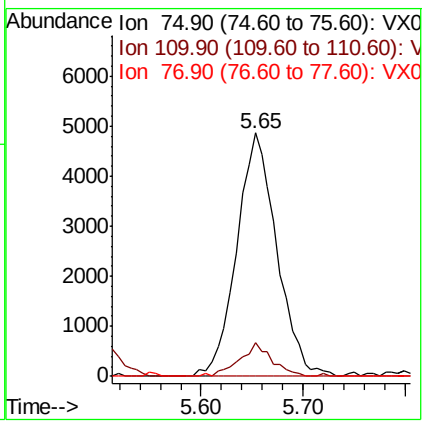


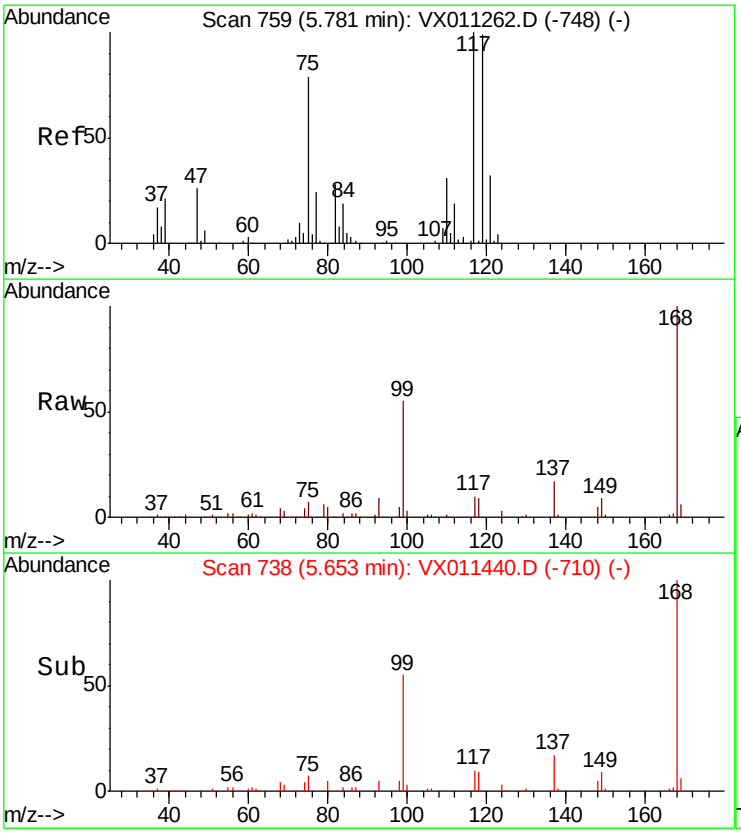

#36
1,1-Dichloropropene
Concen: 5.172 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.14 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :** MSVOA_X
**ClientSampleId :** 2S-I3-(1)

Tgt Ion: 75 Resp: 13225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.0 | 20.0 | 59.9# |
| 77 | 0.0 | 24.8 | 37.2# |

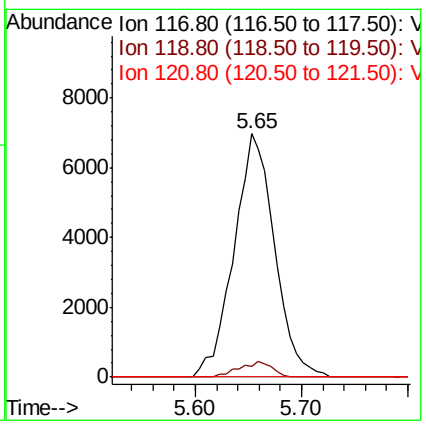


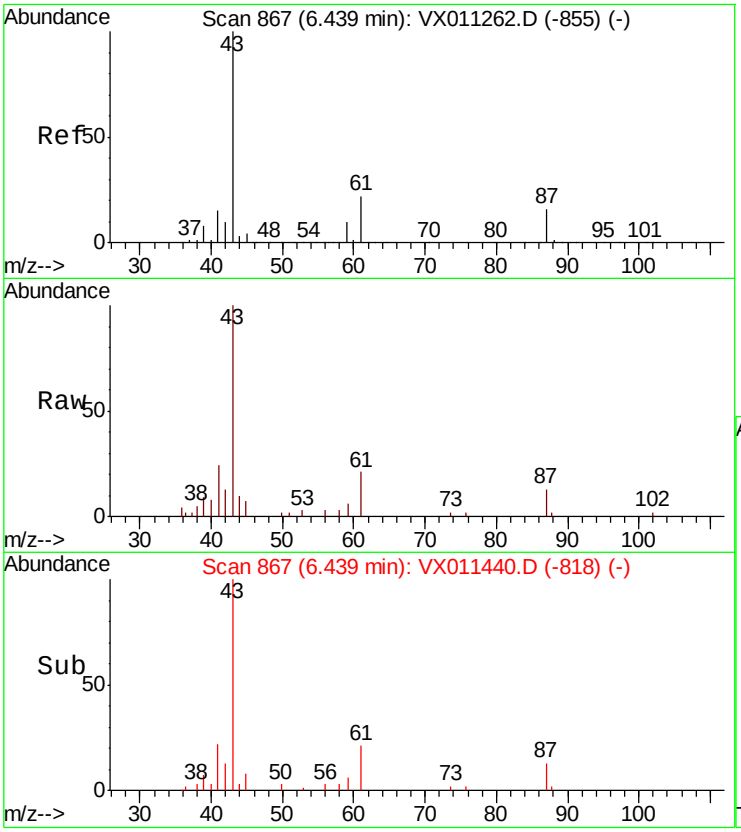




#38
Carbon Tetrachloride
Concen: 7.256 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion:117 Resp: 18667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.4 | 79.0 | 118.4# |
| 121 | 0.0 | 25.9 | 38.9# |



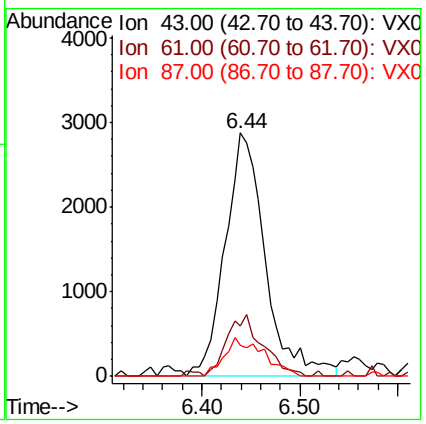


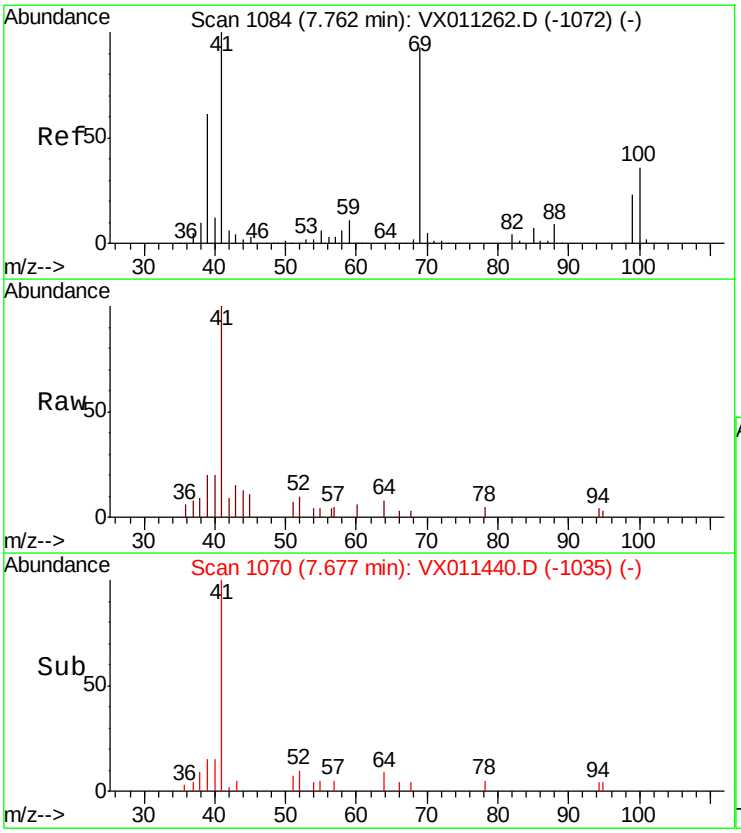

#43
Isopropyl Acetate
Concen: 2.004 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 43 Resp: 8219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 22.5 | 16.5 | 24.7 |
| 87 | 15.4 | 12.1 | 18.1 |

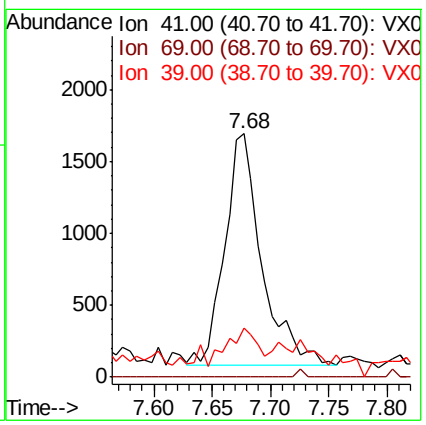


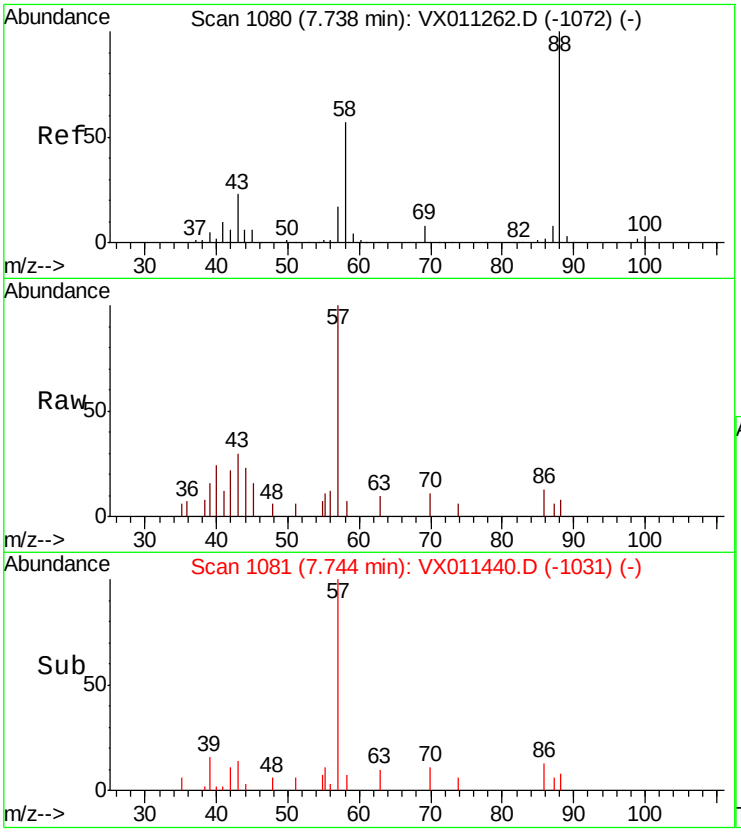




#48
Methyl methacrylate
Concen: 1.838 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 41 Resp: 3547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 74.5 | 111.7# |
| 39 | 0.0 | 48.6 | 72.8# |



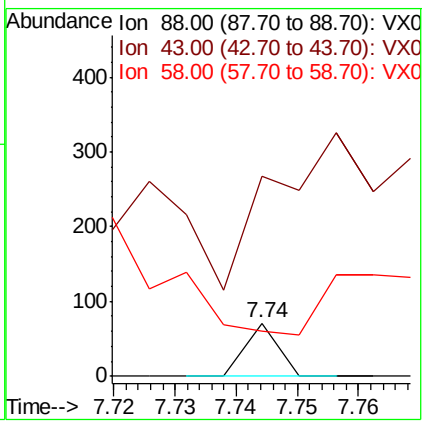


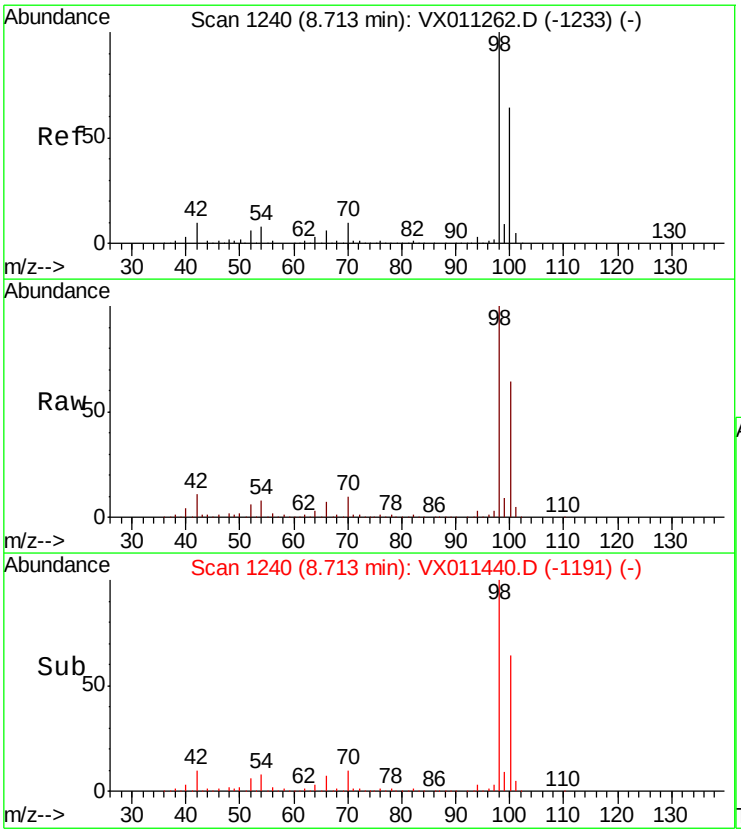

#49
1,4-Dioxane
Concen: 0.465 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 88 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 22.2 | 33.2# |
| 58 | 0.0 | 47.8 | 71.8# |

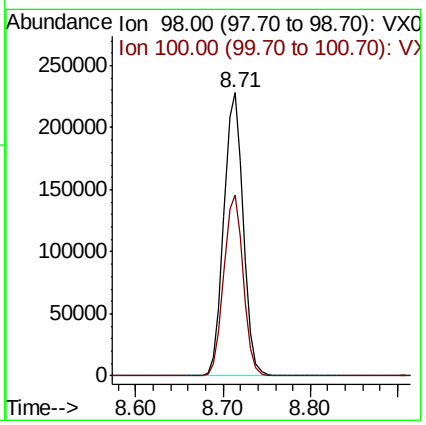


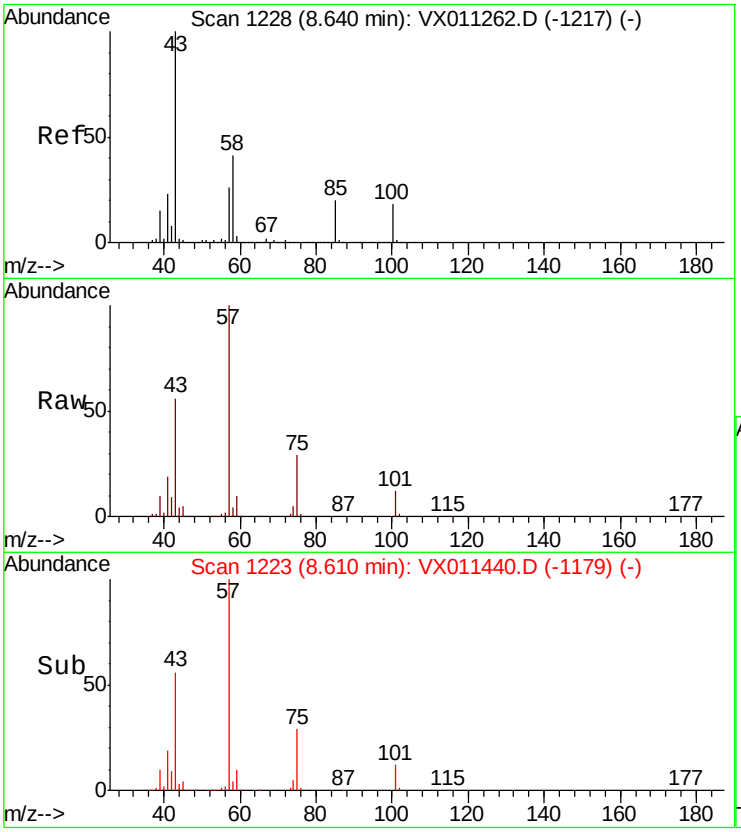




#50
Toluene-d8
Concen: 48.403 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 98 Resp: 349382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 51.7 | 77.5 |



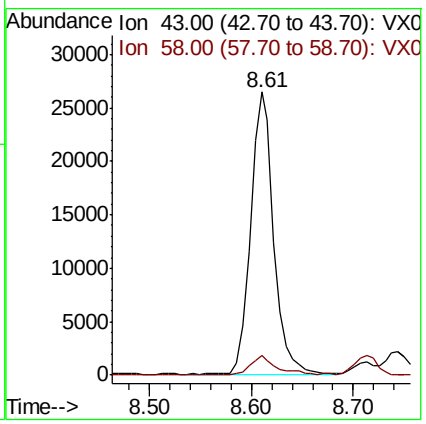


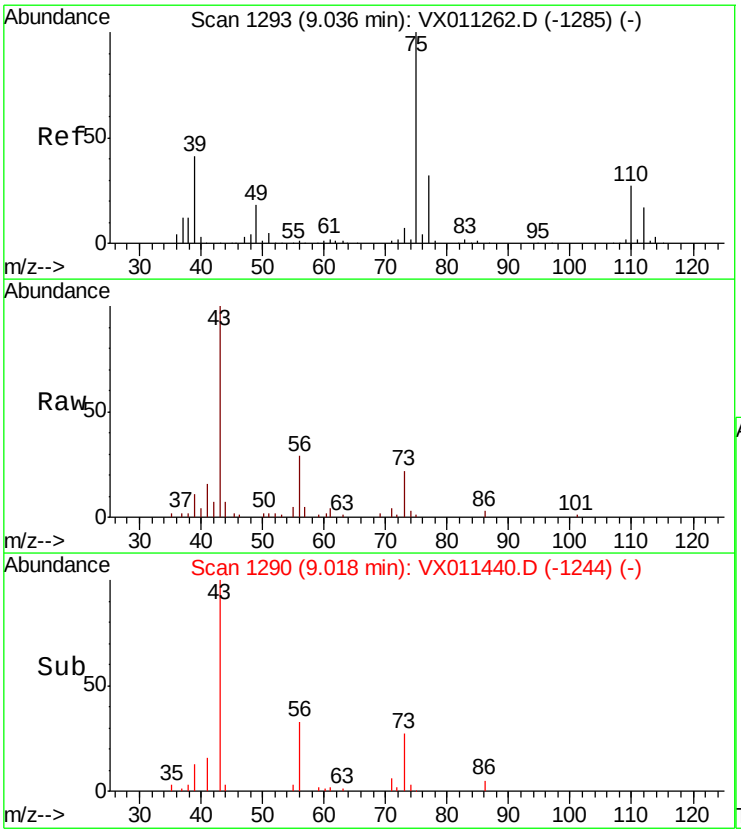

#51
4-Methyl-2-Pentanone
Concen: 15.771 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 43 Resp: 41740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.7 | 32.3 | 48.5# |

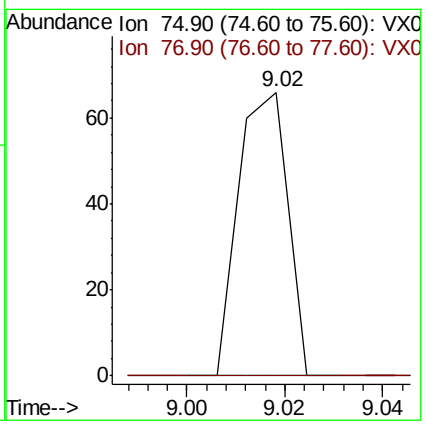


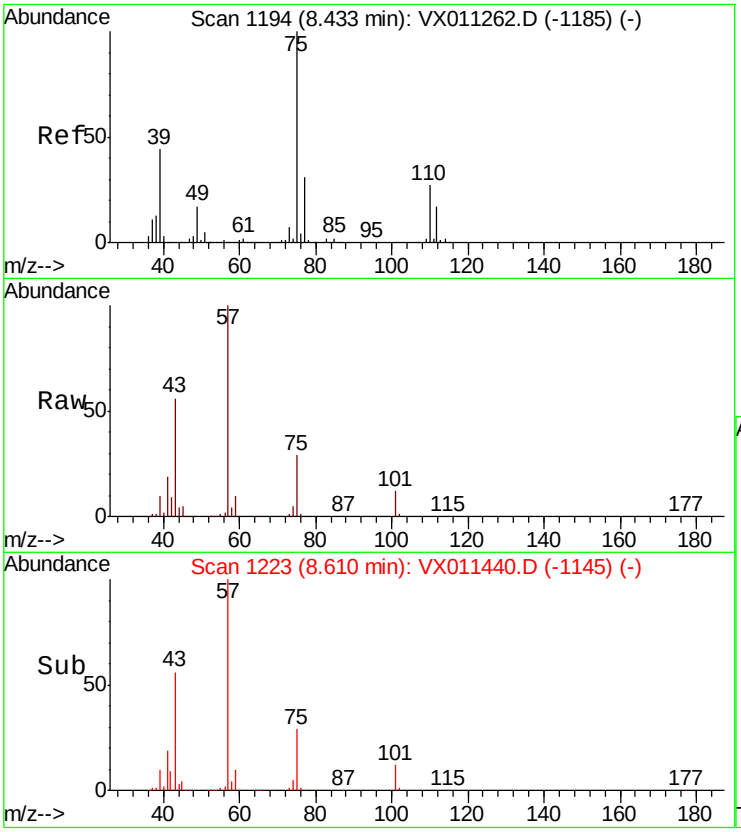




#53
t-1,3-Dichloropropene
Concen: 2.854 ug/l
RT: 9.02 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 75 Resp: 46

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.0# |



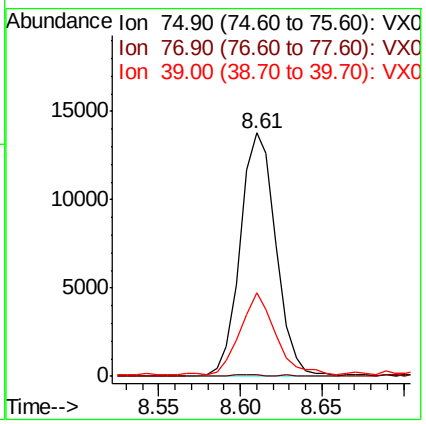


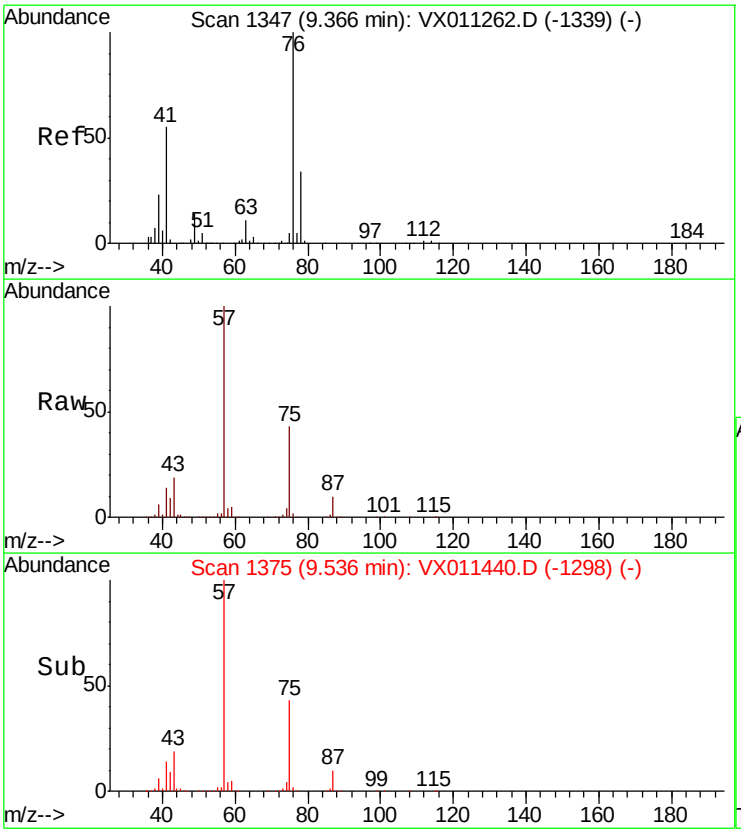

#54
cis-1,3-Dichloropropene
Concen: 7.365 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. 0.18 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 75 Resp: 21014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.8 | 25.0 | 37.6# |
| 39 | 33.5 | 35.3 | 52.9# |

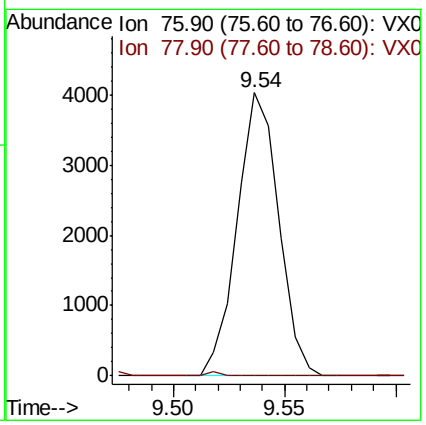


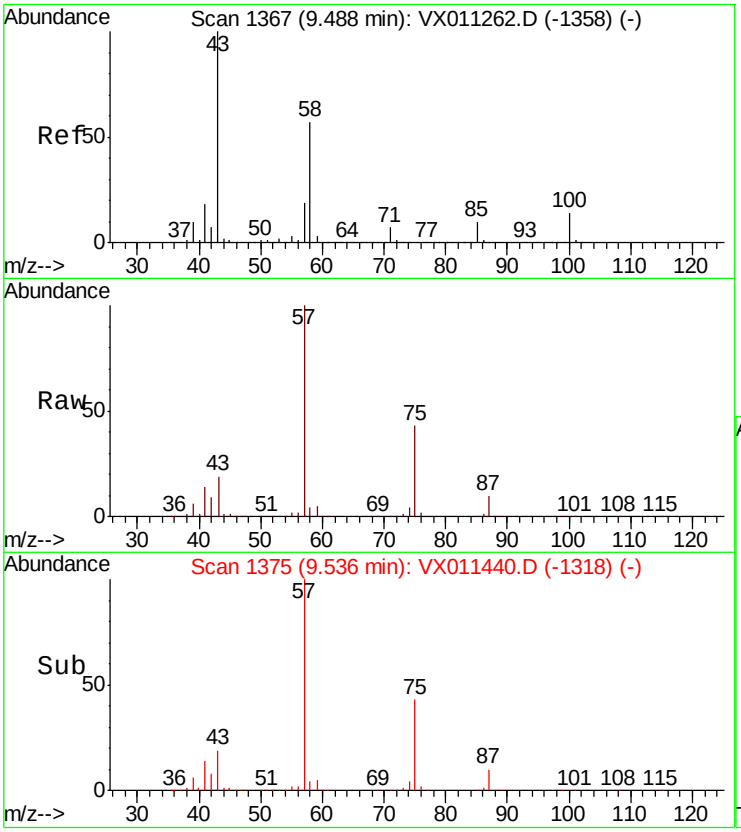




#57
1,3-Dichloropropane
Concen: 1.596 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.17 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 76 Resp: 5237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.4 | 26.6 | 40.0# |



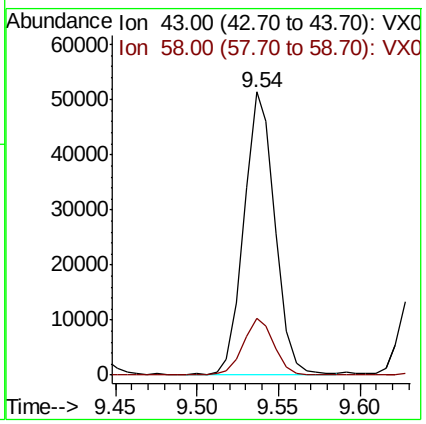


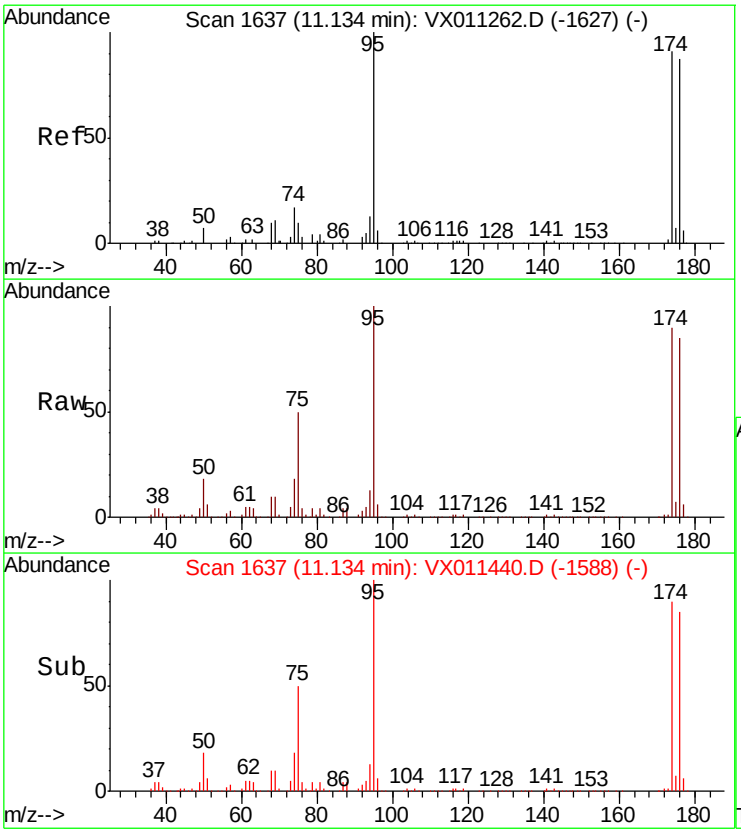

#59
2-Hexanone
Concen: 32.718 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 43 Resp: 67072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.6 | 28.2 | 84.6# |

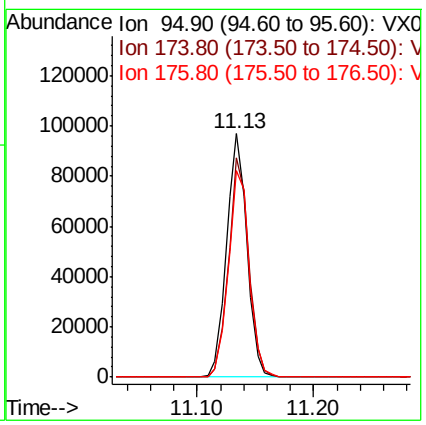


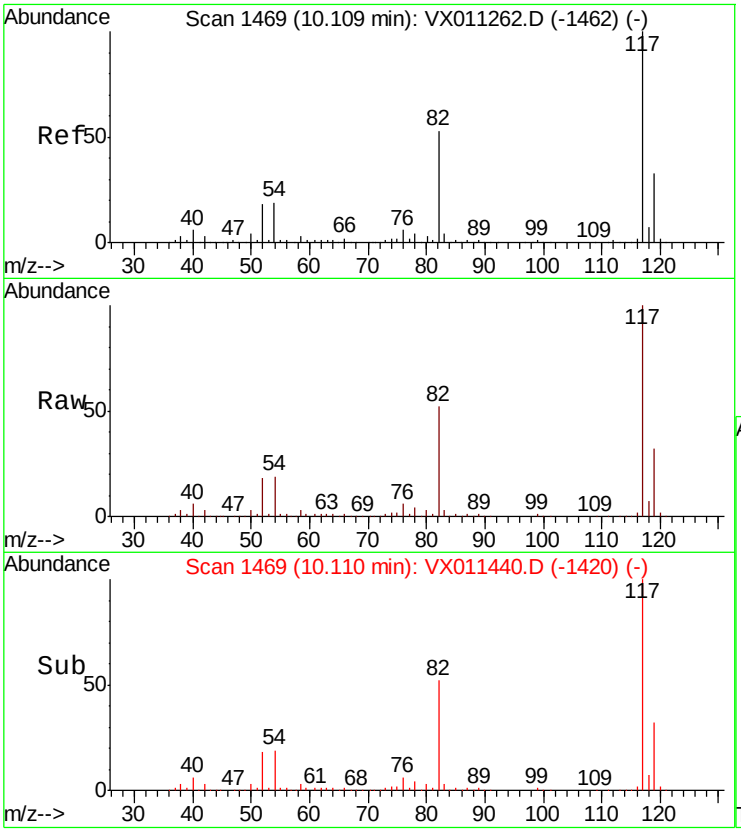




#62
4-Bromofluorobenzene
Concen: 45.664 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 95 Resp: 117680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.1 | 0.0 | 191.2 |
| 176 | 87.5 | 0.0 | 184.8 |



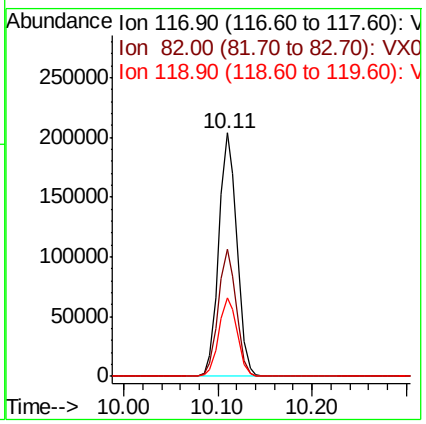


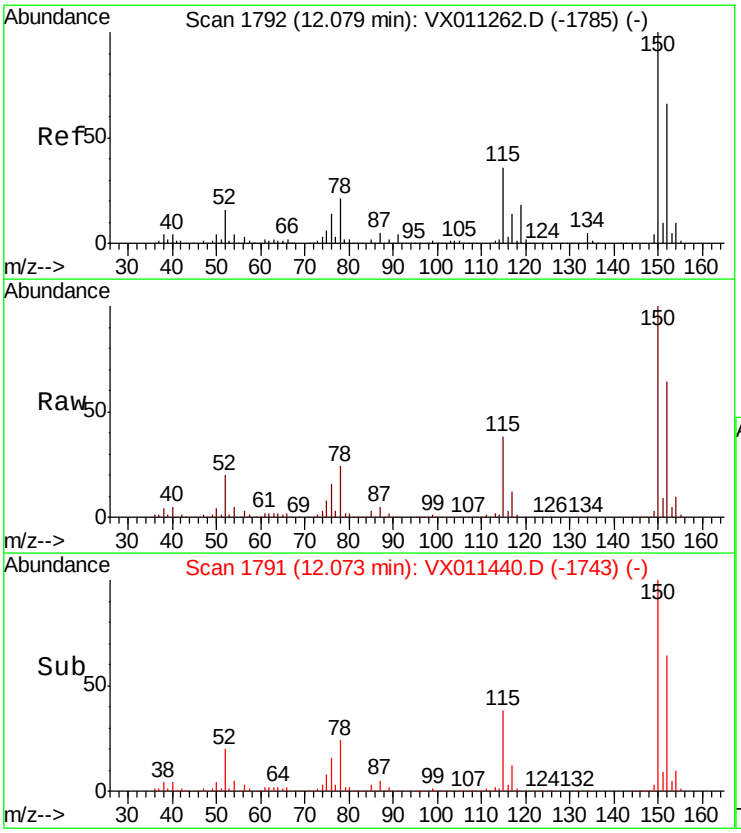

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion:117 Resp: 272204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.2 | 42.2 | 63.2 |
| 119 | 32.2 | 26.6 | 39.8 |

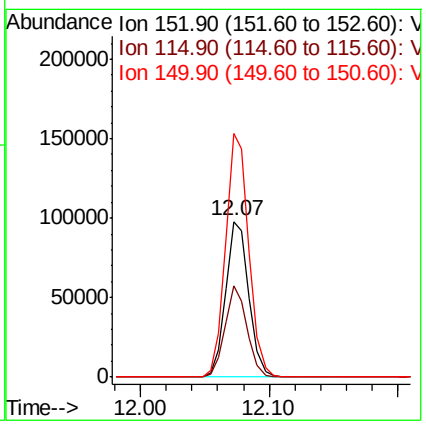


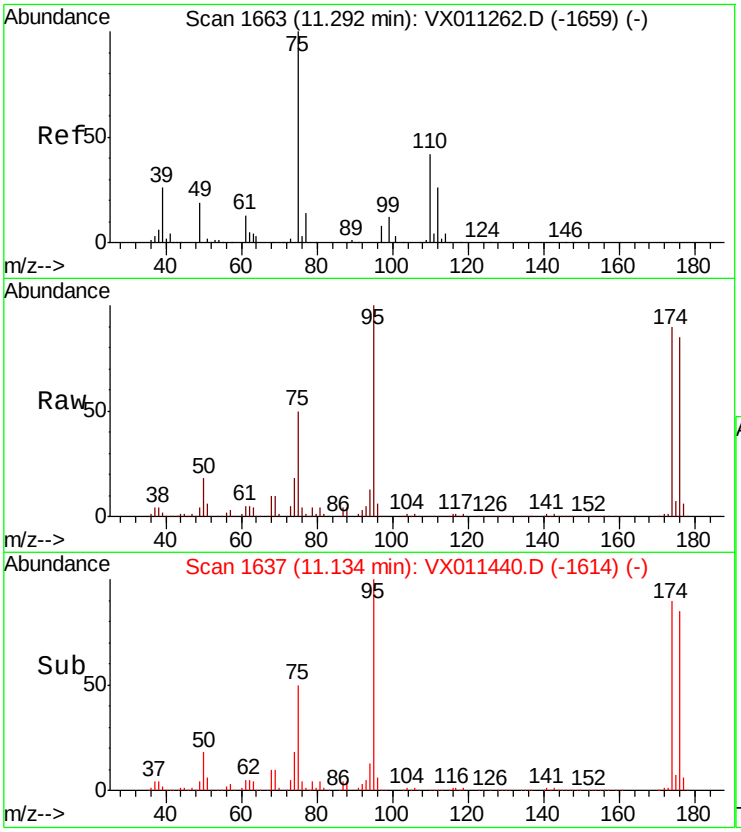




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion:152 Resp: 123298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.2 | 40.0 | 119.9 |
| 150 | 156.6 | 0.0 | 350.4 |



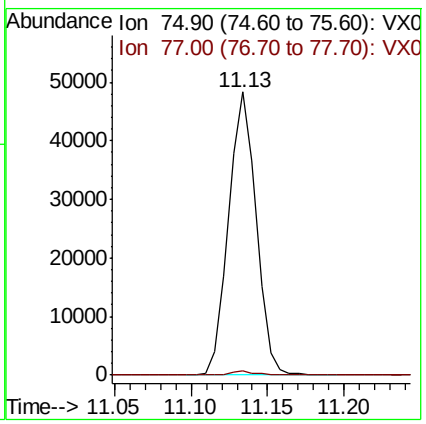


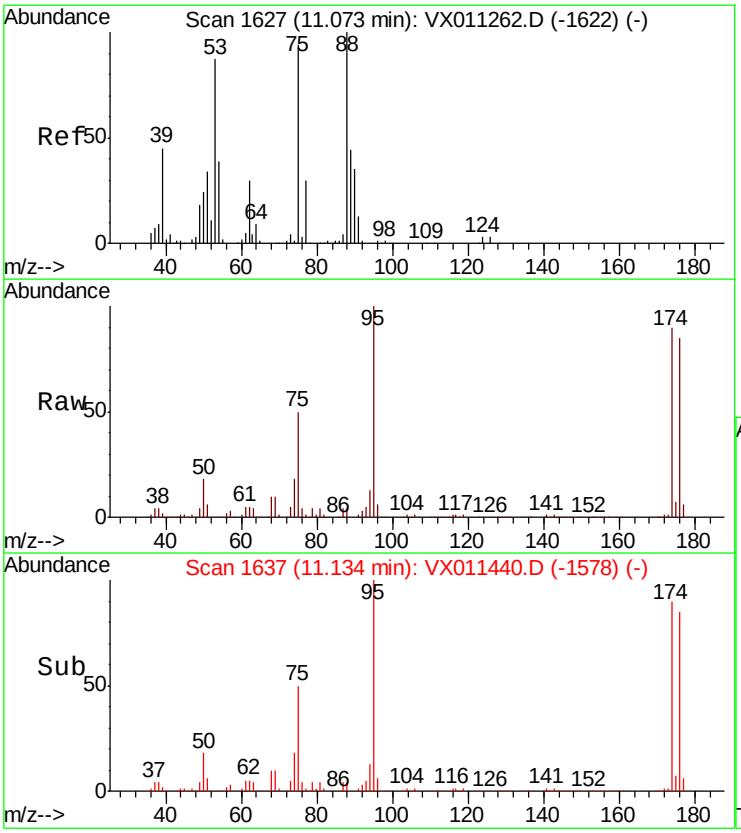

#76
1,2,3-Trichloropropane
Concen: 26.827 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
2S-I3-(1)

Tgt Ion: 75 Resp: 60238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 21.1 | 63.4# |




#81
trans-1,4-Dichloro-2-butene
Concen: 69.677 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011440.D
Acq: 11 Aug 2019 18:35

Tgt Ion: 75 Resp: 60238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 78.2 | 117.4# |
| 89 | 0.0 | 37.9 | 56.9# |