Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072320\
Data File : VX017503.D
Acq On : 23 Jul 2020 19:24
Operator : JC/SP
Sample : L3371-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-200720

Quant Time: Jul 24 06:00:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 451129 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 758853 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 754538 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 418014 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.04 | 65 | 306468 | 52.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.78% | | | |
| 35) Dibromofluoromethane | 5.47 | 113 | 257078 | 50.65 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.30% | | | |
| 50) Toluene-d8 | 8.70 | 98 | 881649 | 48.15 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.30% | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 422584 | 57.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 115.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 347 | Below Cal | # | 42 |
| 3) Chloromethane | 1.31 | 50 | 3263 | 0.948 | ug/l # | 84 |
| 4) Vinyl Chloride | 1.39 | 62 | 2048 | 0.361 | ug/l # | 82 |
| 5) Bromomethane | 1.64 | 94 | 1121 | Below Cal | | 99 |
| 6) Chloroethane | 1.67 | 64 | 573 | Below Cal | # | 47 |
| 8) Diethyl Ether | 2.19 | 74 | 603 | Below Cal | | 91 |
| 11) Tert butyl alcohol | 3.02 | 59 | 1502 | 1.230 | ug/l # | 34 |
| 13) Acrolein | 2.26 | 56 | 2019 | 6.278 | ug/l # | 14 |
| 16) Acetone | 2.42 | 43 | 5976 | 2.343 | ug/l | 89 |
| 18) Methyl Acetate | 2.76 | 43 | 2240 | 0.373 | ug/l # | 76 |
| 20) Methylene Chloride | 2.84 | 84 | 675 | Below Cal | # | 14 |
| 21) trans-1,2-Dichloroethene | 3.15 | 96 | 4931 | 0.988 | ug/l | 88 |
| 25) 2-Butanone | 4.63 | 43 | 980 | 0.270 | ug/l # | 52 |
| 27) cis-1,2-Dichloroethene | 4.56 | 96 | 268743 | 49.566 | ug/l | 89 |
| 29) Tetrahydrofuran | 5.11 | 42 | 612 | 0.273 | ug/l # | 43 |
| 31) Cyclohexane | 5.62 | 56 | 9123 | 1.277 | ug/l # | 33 |
| 36) 1,1-Dichloropropene | 5.63 | 75 | 33717 | 4.633 | ug/l # | 53 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 47009 | 5.319 | ug/l # | 16 |
| 44) Trichloroethene | 7.18 | 130 | 7690 | 1.261 | ug/l | 58 |
| 49) 1,4-Dioxane | 7.71 | 88 | 191 | 1.530 | ug/l # | 16 |
| 64) Tetrachloroethene | 9.32 | 164 | 4381 | 0.647 | ug/l | 87 |
| 65) Chlorobenzene | 10.12 | 112 | 16023 | 0.981 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 214035 | 24.891 | ug/l # | 34 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 214035 | 62.721 | ug/l # | 12 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.81 | 75 | 82 | 2.607 | ug/l | 92 |

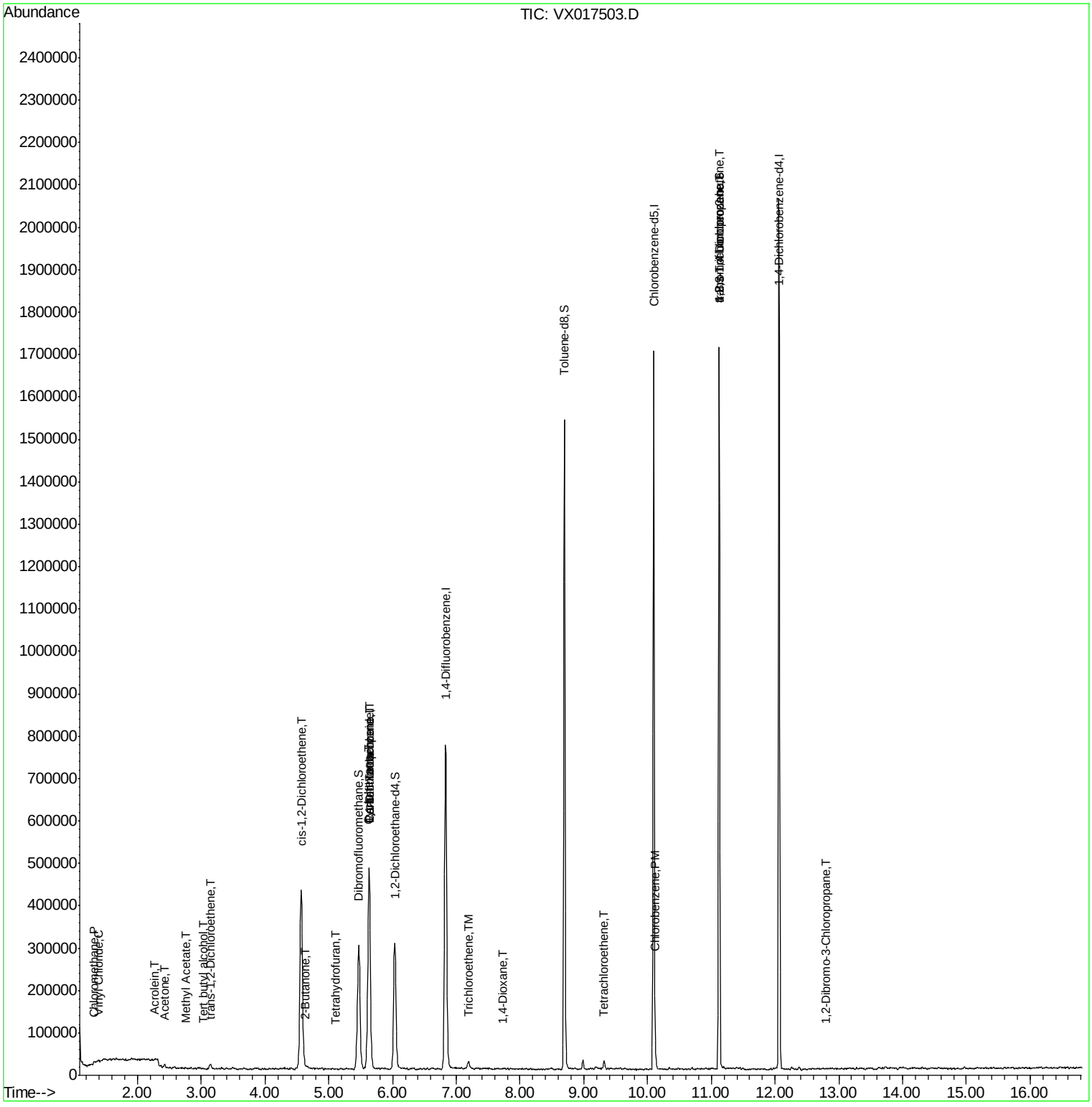
(#) = qualifier out of range (m) = manual integration (+) = signals summed

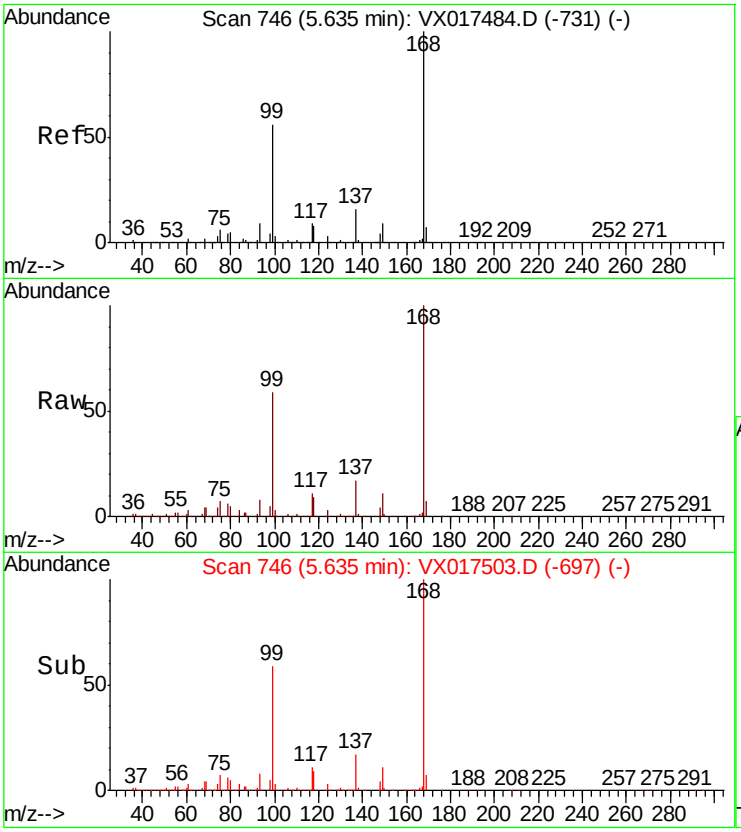
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072320\
Data File : VX017503.D
Acq On : 23 Jul 2020 19:24
Operator : JC/SP
Sample : L3371-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Quant Time: Jul 24 06:00:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration



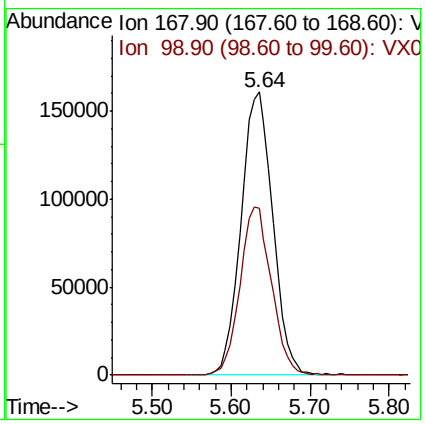


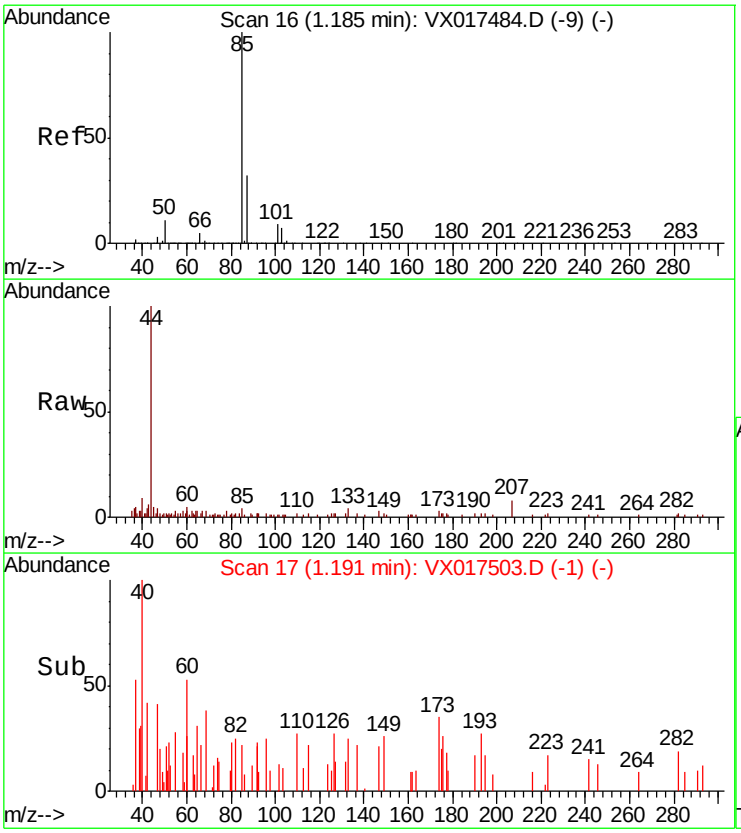

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion:168 Resp: 451129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 43.4 | 65.2 |

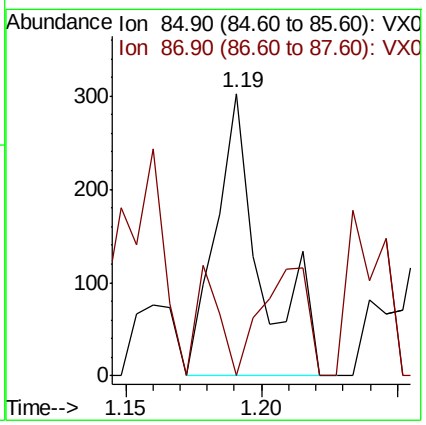


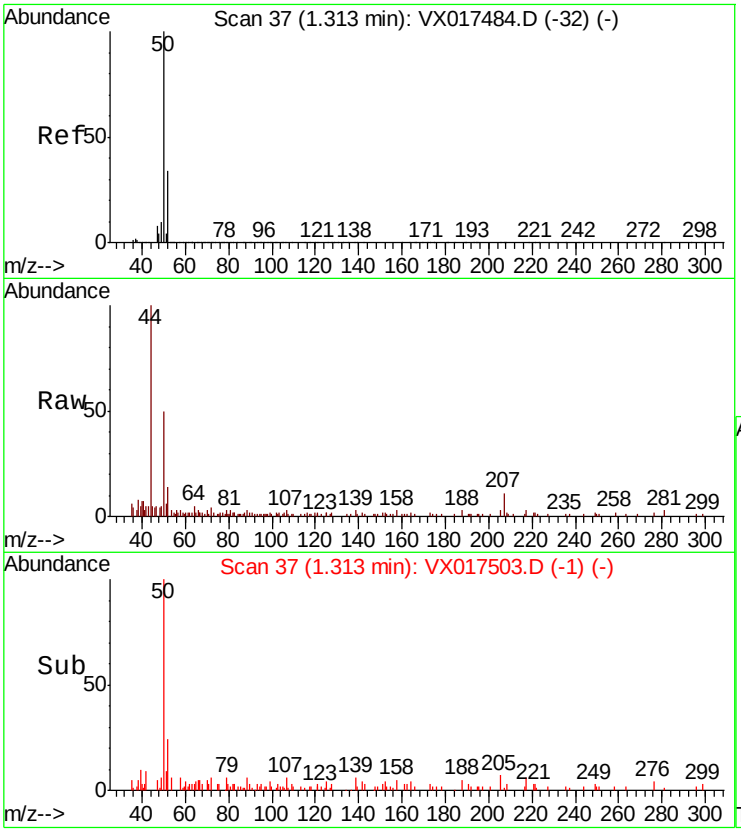




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.19 min Scan# 17
Delta R.T. 0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 85 Resp: 347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 16.1 | 48.3# |



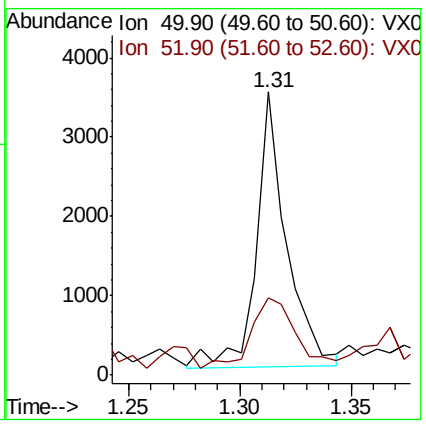


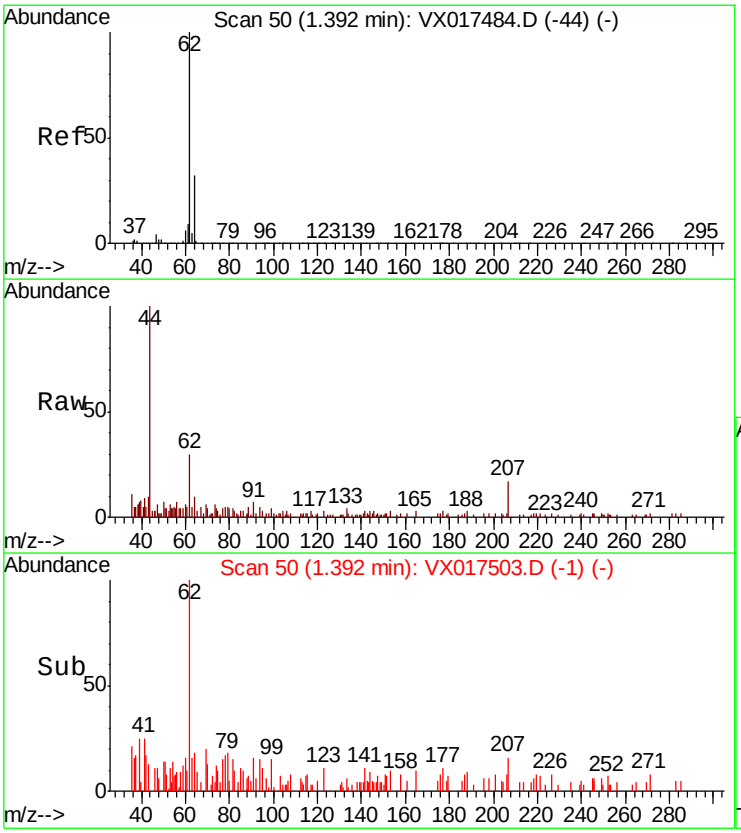

#3
Chloromethane
Concen: 0.948 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 50 Resp: 3263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.3 | 25.9 | 38.9# |

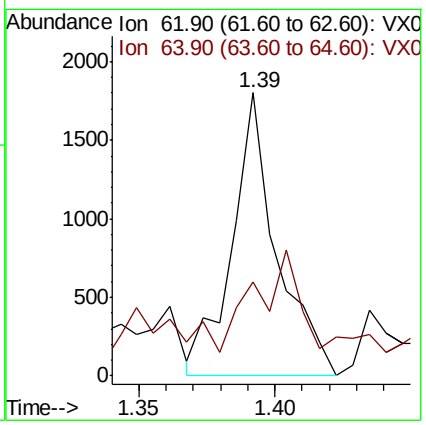


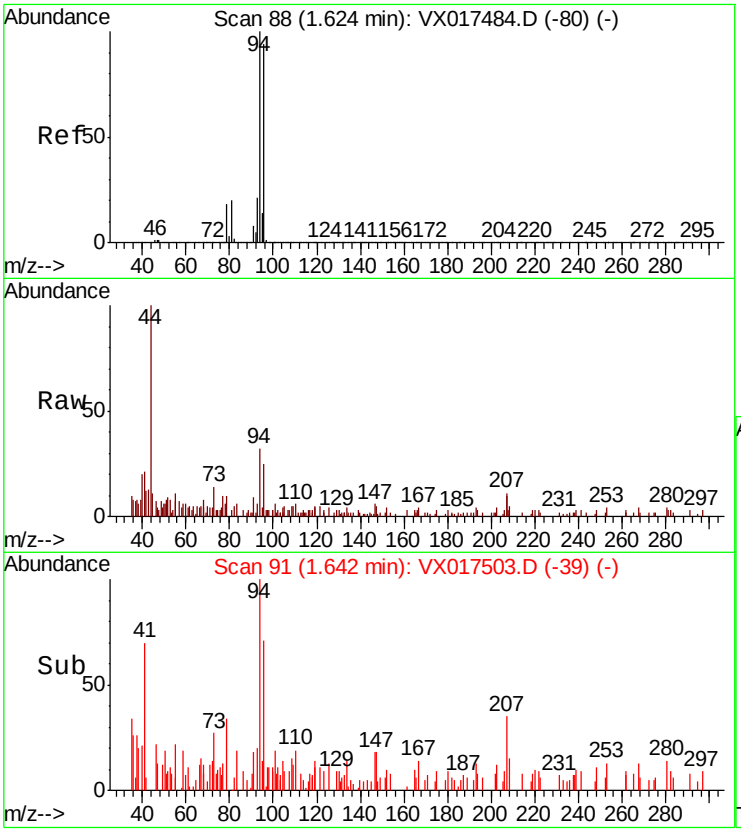




#4
Vinyl Chloride
Concen: 0.361 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 62 Resp: 2048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 21.5 | 25.2 | 37.8# |



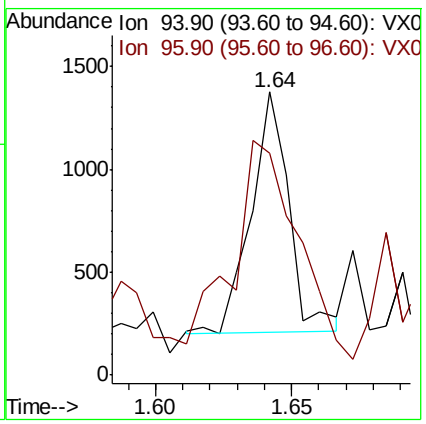


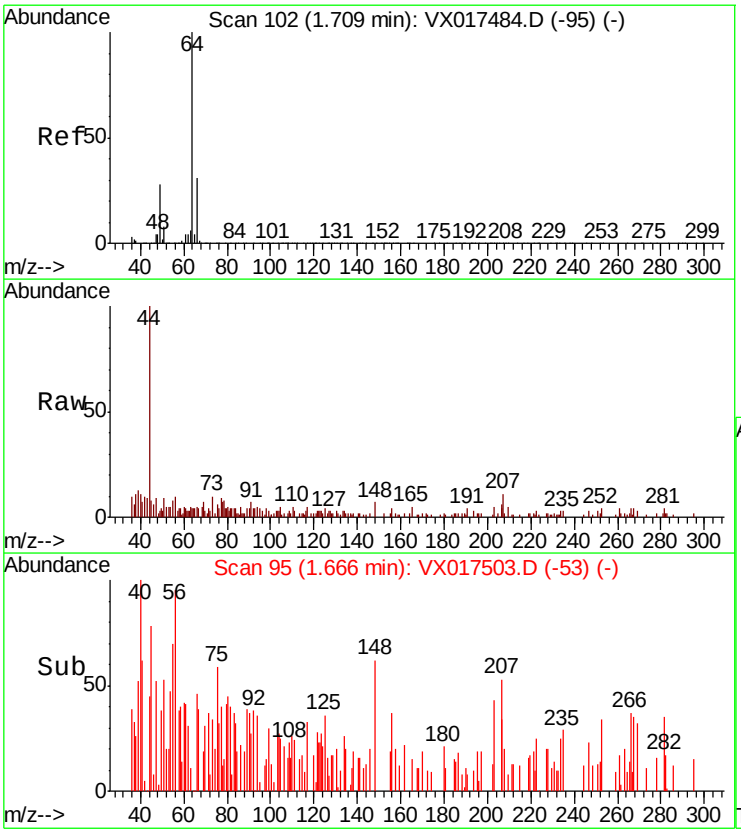

#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 91
Delta R.T. 0.02 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 94 Resp: 1121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.4 | 74.1 | 111.1 |

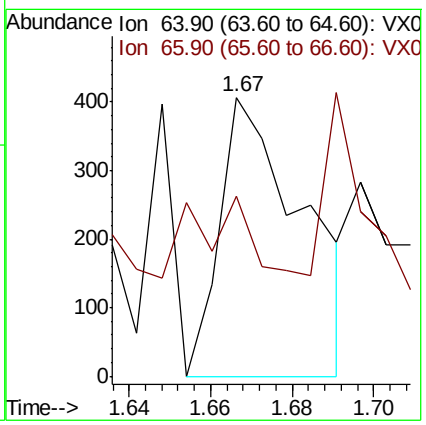


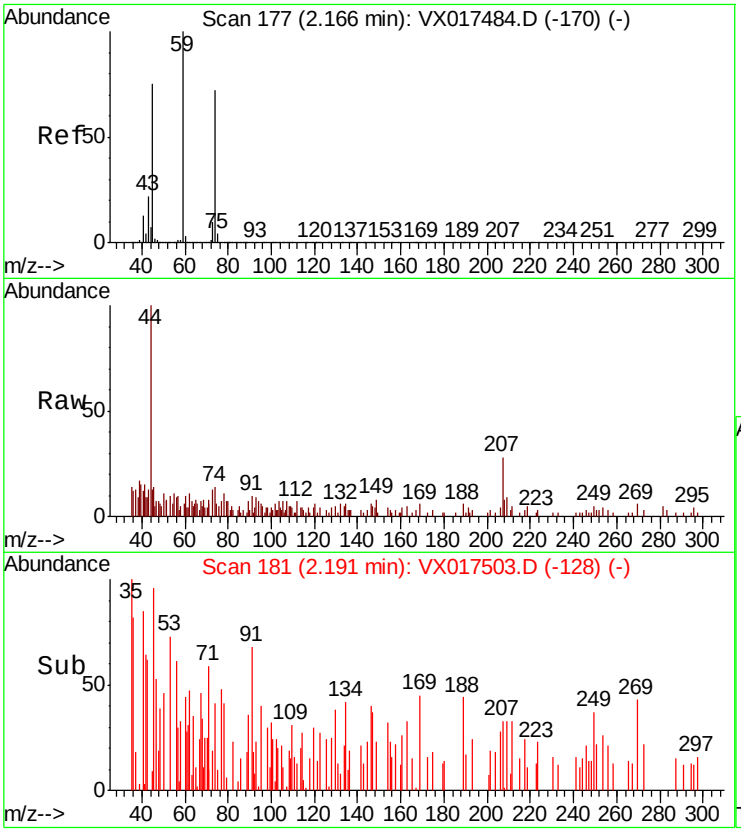




#6
Chloroethane
Concen: Below Cal
RT: 1.67 min Scan# 95
Delta R.T. -0.04 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 64 Resp: 573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 2.0 | 24.9 | 37.3# |



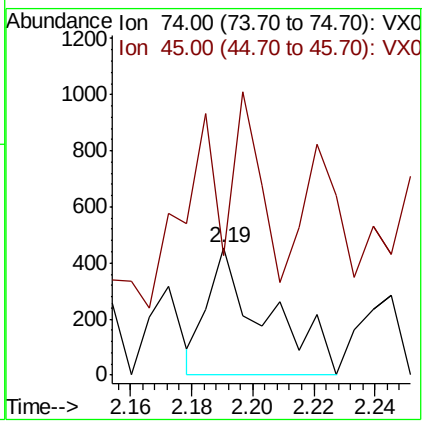


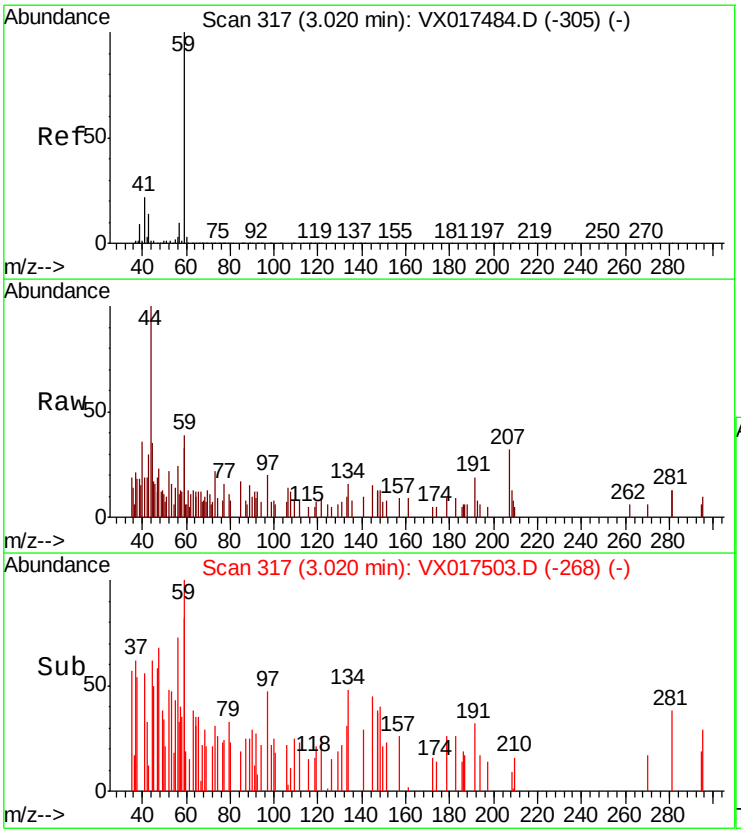

#8
Diethyl Ether
Concen: Below Cal
RT: 2.19 min Scan# 181
Delta R.T. 0.02 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 74 Resp: 603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 92.2 | 50.8 | 152.5 |

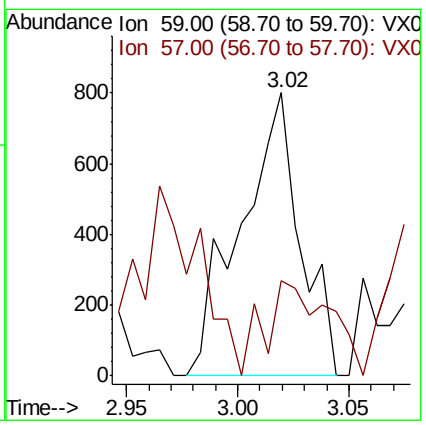


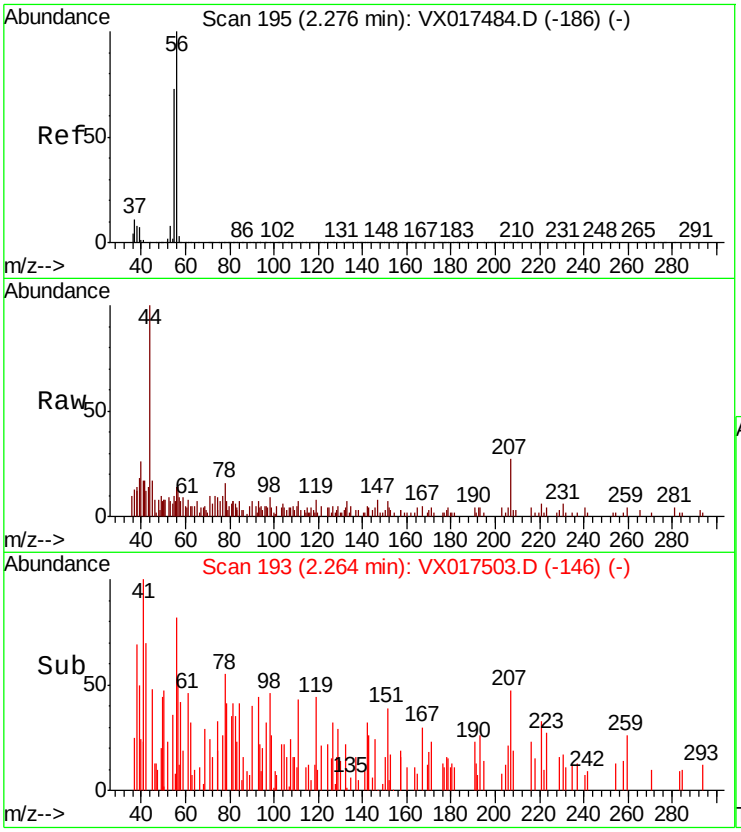




#11
Tert butyl alcohol
Concen: 1.230 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 59 Resp: 1502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 35.4 | 8.6 | 12.8# |



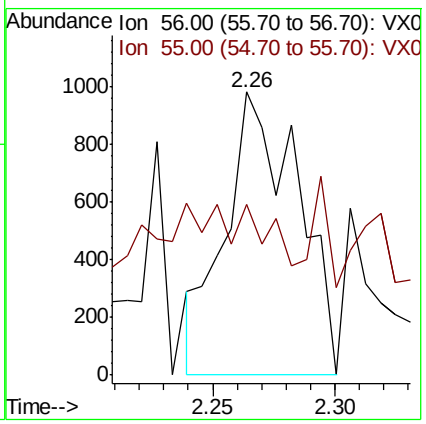


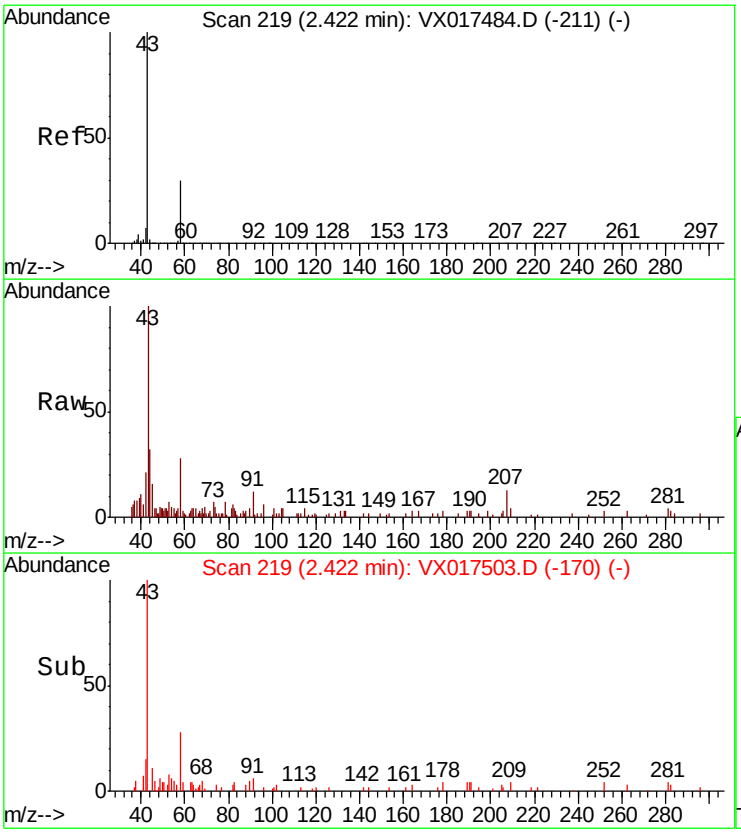

#13
Acrolein
Concen: 6.278 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 56 Resp: 2019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.4 | 86.2# |

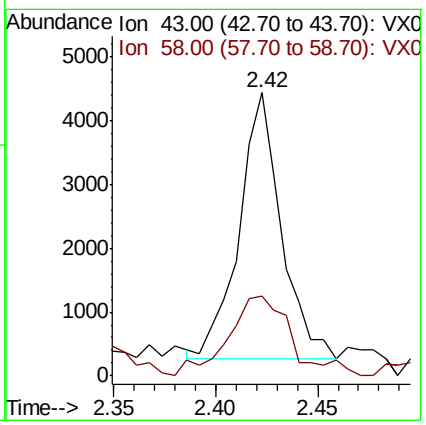


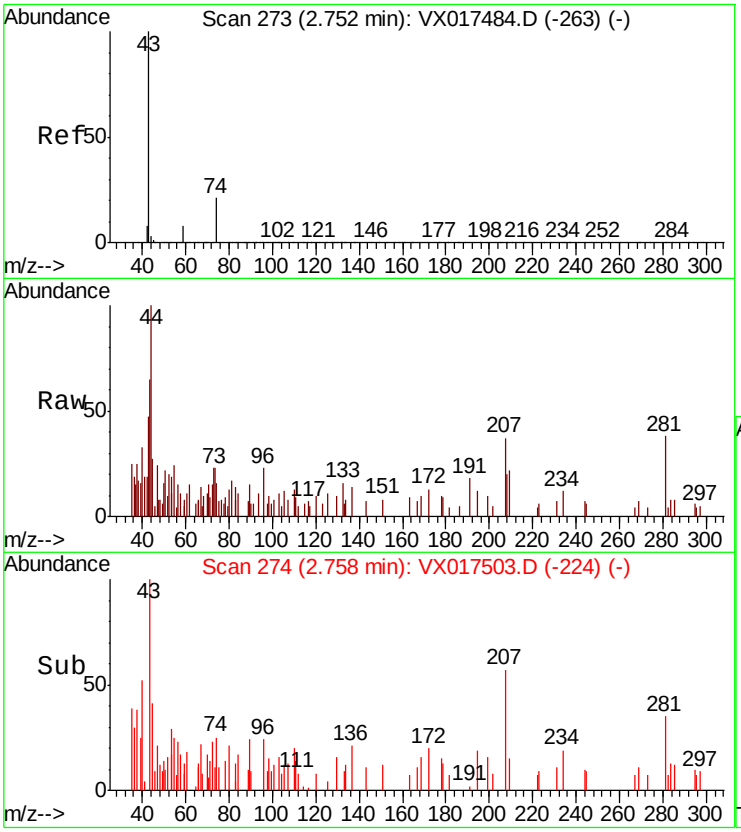




#16
Acetone
Concen: 2.343 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 43 Resp: 5976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.3 | 24.2 | 36.4 |



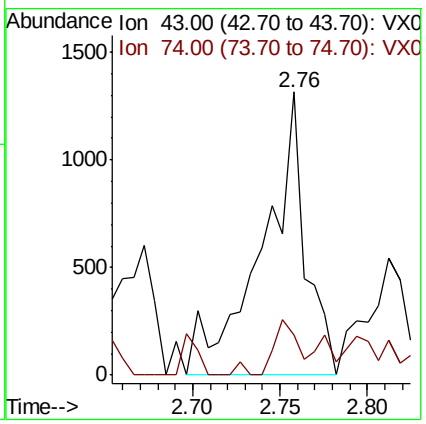


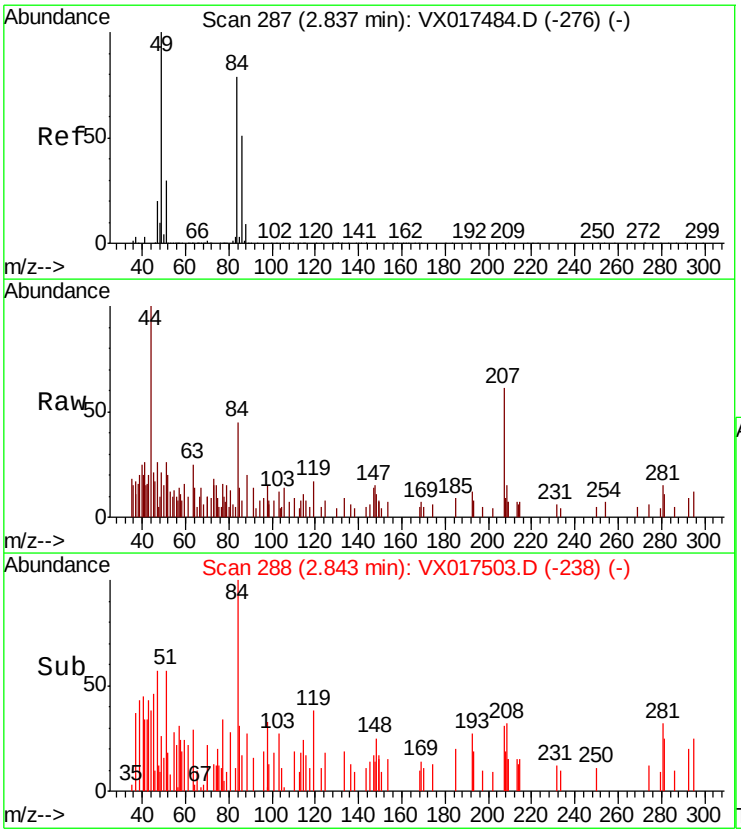

#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-200720

Tgt Ion: 43 Resp: 2240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 10.4 | 17.5 | 26.3# |

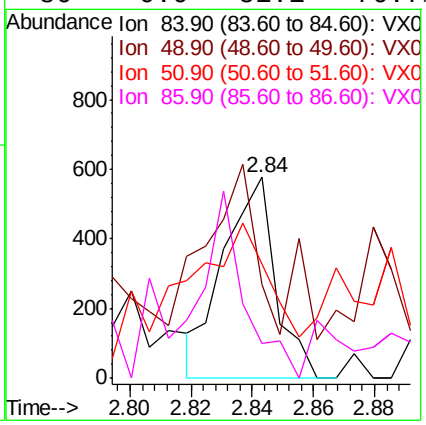


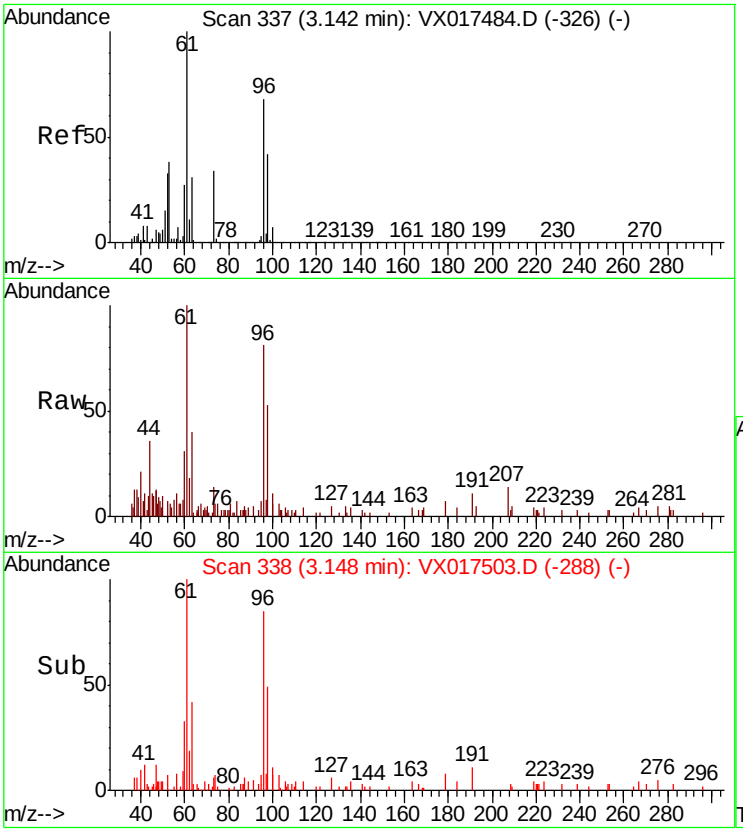




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 84 Resp: 675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 12.3 | 100.3 | 150.5# |
| 51 | 8.2 | 30.5 | 45.7# |
| 86 | 0.0 | 51.1 | 76.7# |



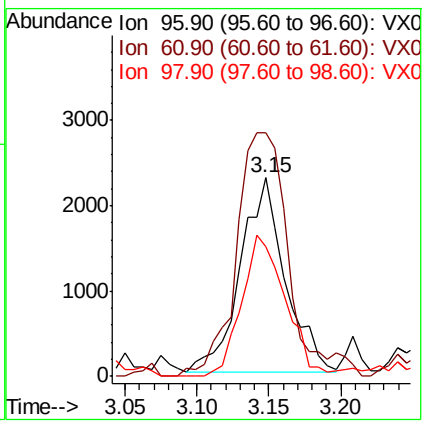


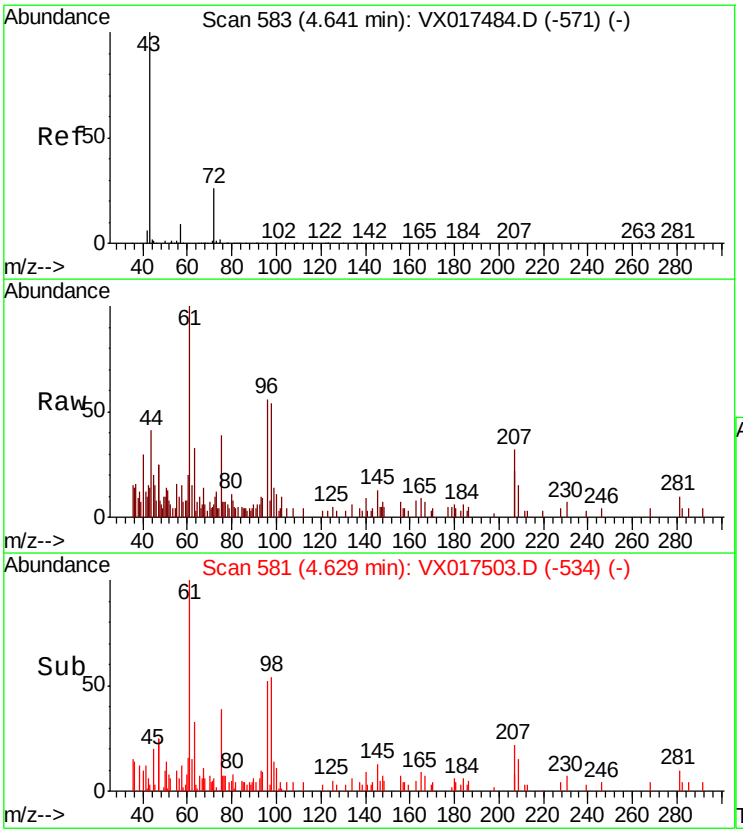

#21
trans-1,2-Dichloroethene
Concen: 0.988 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 96 Resp: 4931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 121.8 | 113.0 | 169.4 |
| 98 | 66.7 | 51.8 | 77.8 |

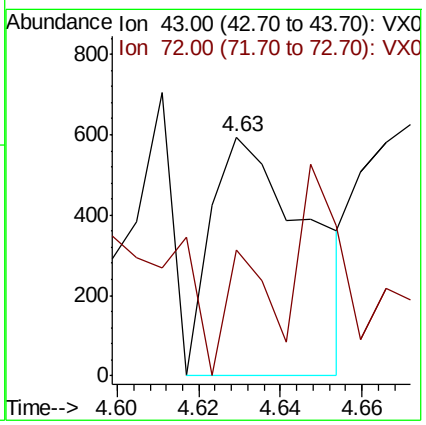


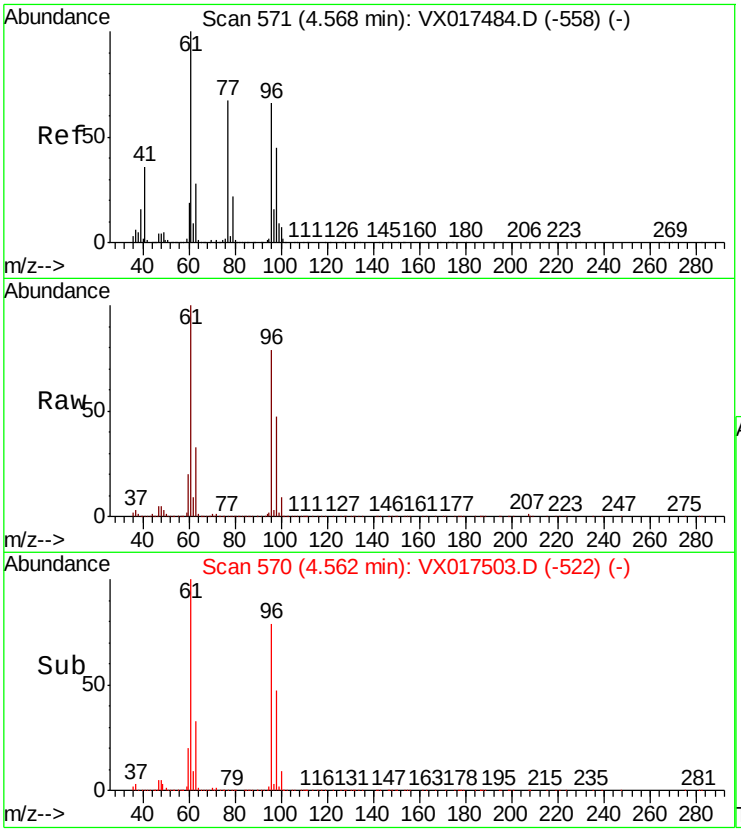




#25
2-Butanone
Concen: 0.270 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 43 Resp: 980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 19.0 | 28.4# |



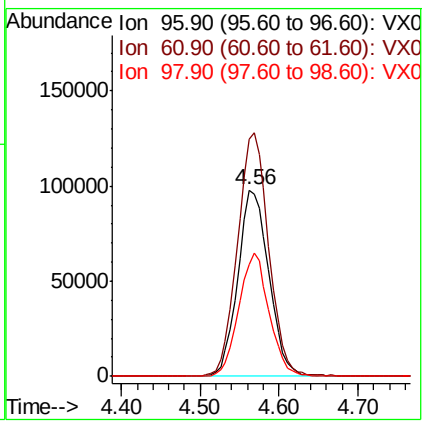


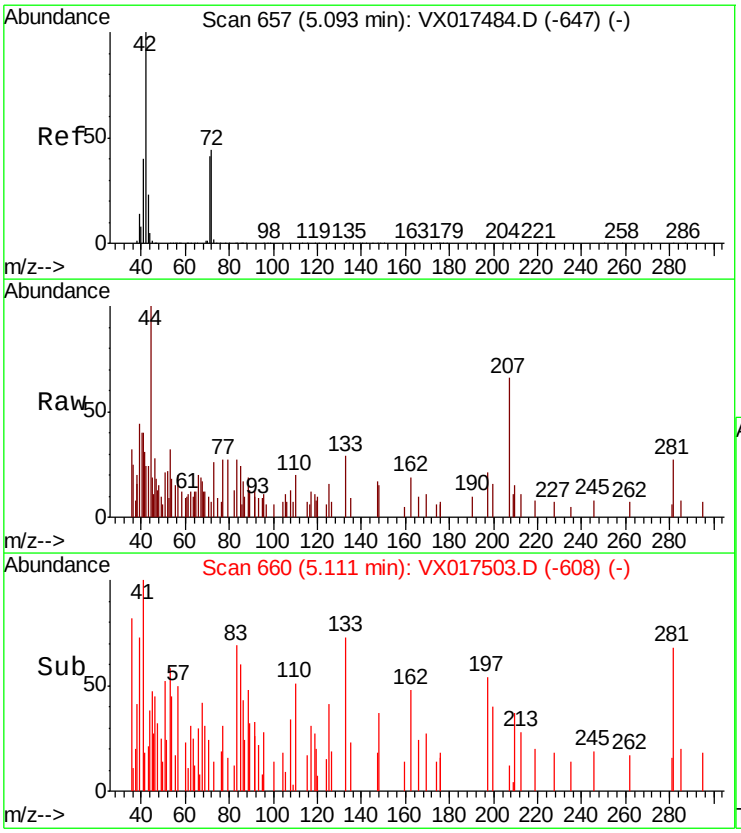

#27
cis-1,2-Dichloroethene
Concen: 49.566 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 96 Resp: 268743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.0 | 0.0 | 301.2 |
| 98 | 64.5 | 0.0 | 130.0 |

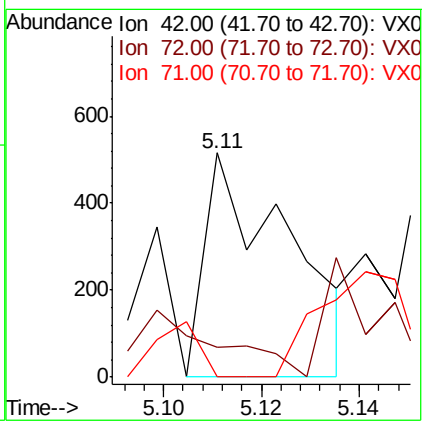


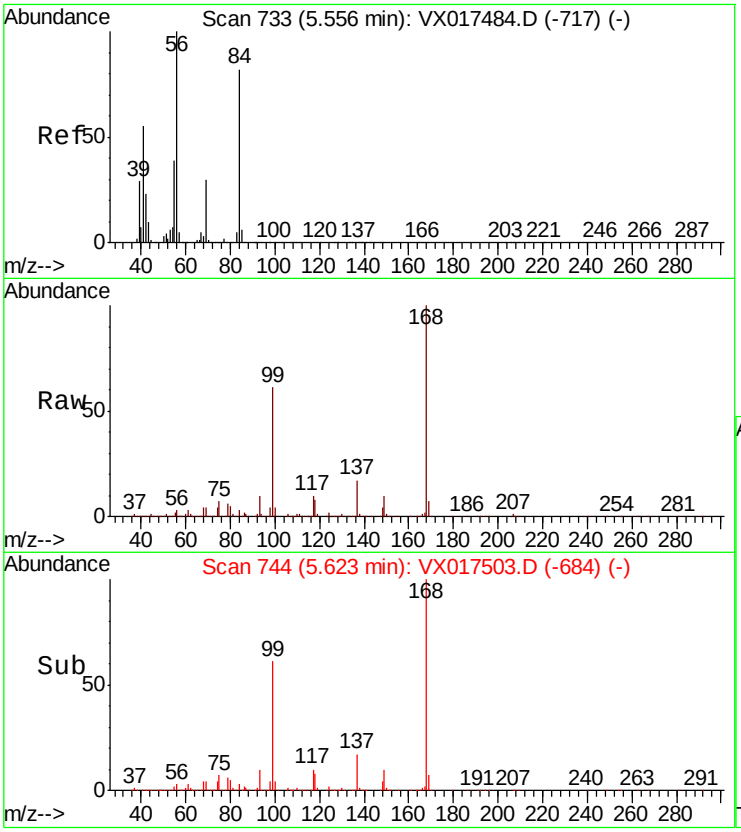




#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 42 Resp: 612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 35.5 | 53.3# |
| 71 | 12.7 | 33.0 | 49.4# |



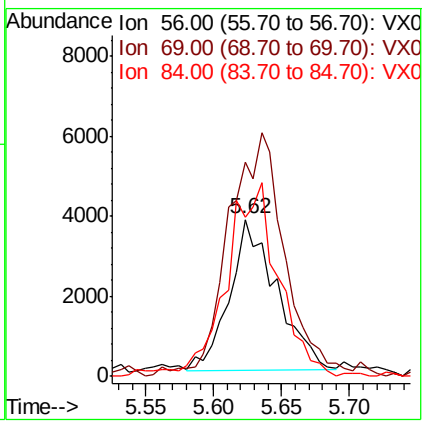


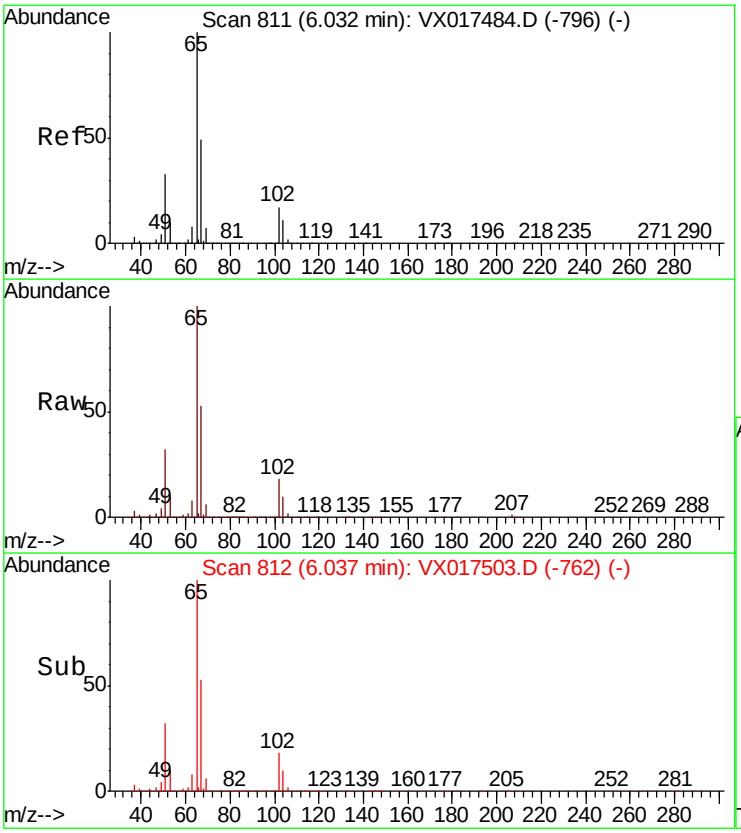

#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 56 Resp: 9123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 137.7 | 24.2 | 36.4# |
| 84 | 105.9 | 69.0 | 103.6# |

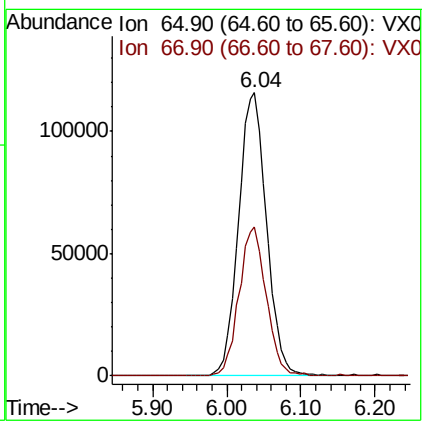


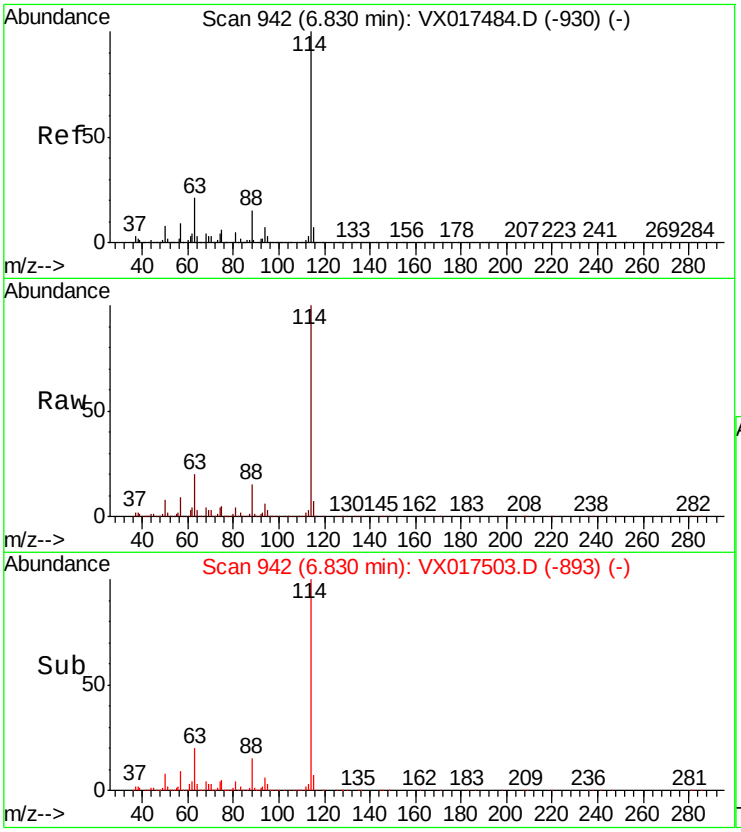




#33
1,2-Dichloroethane-d4
Concen: 52.885 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 65 Resp: 306468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 102.8 |



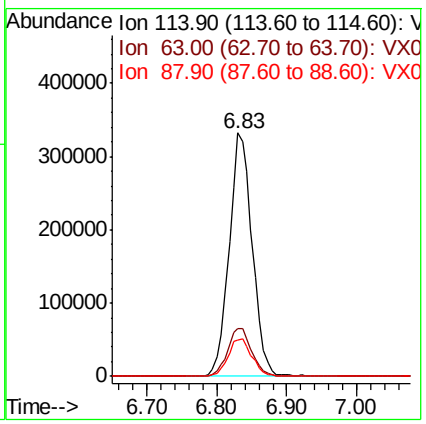


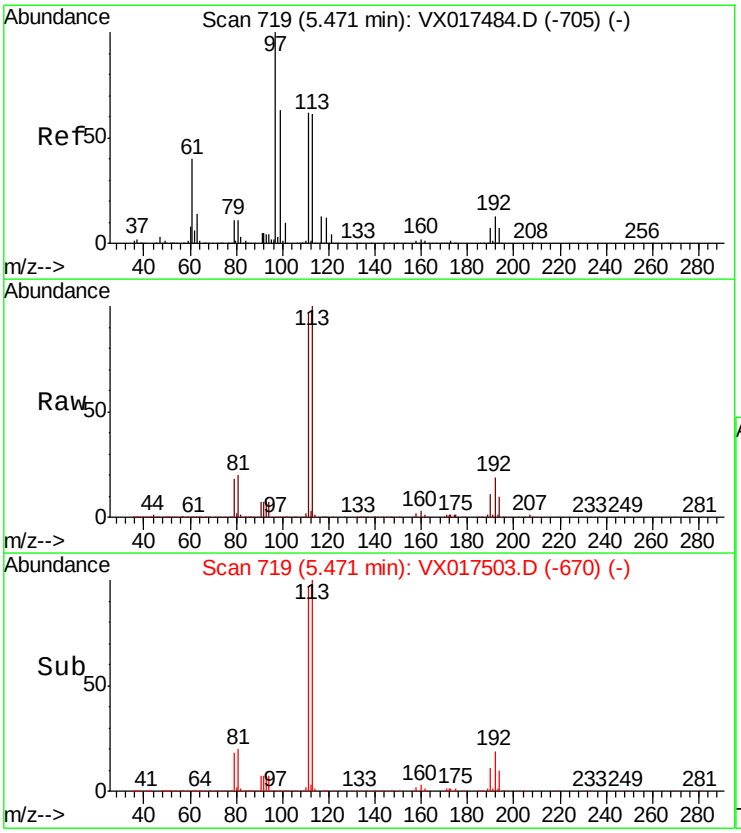

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion:114 Resp: 758853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 40.6 |
| 88 | 14.9 | 0.0 | 33.4 |

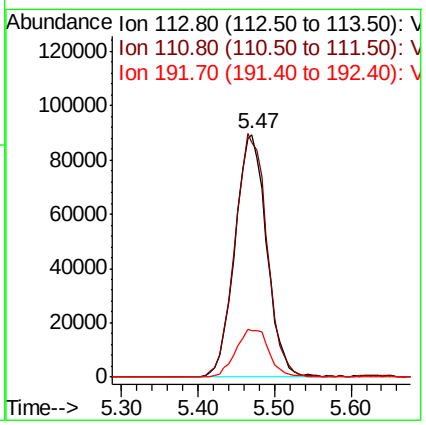


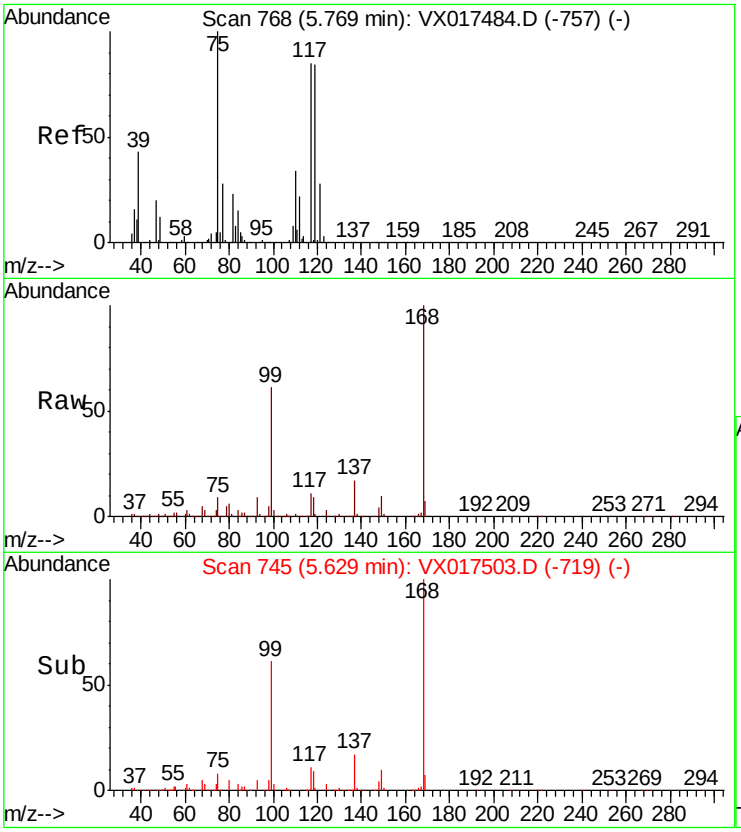




#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion:113 Resp: 257078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 80.7 | 121.1 |
| 192 | 20.7 | 16.9 | 25.3 |



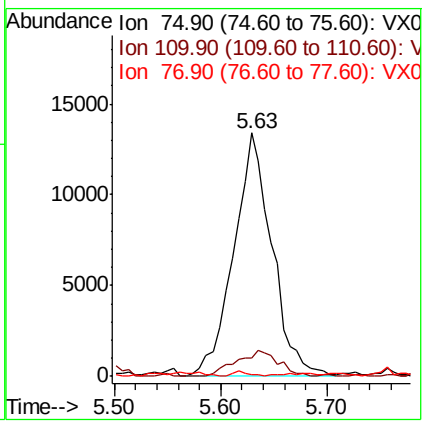


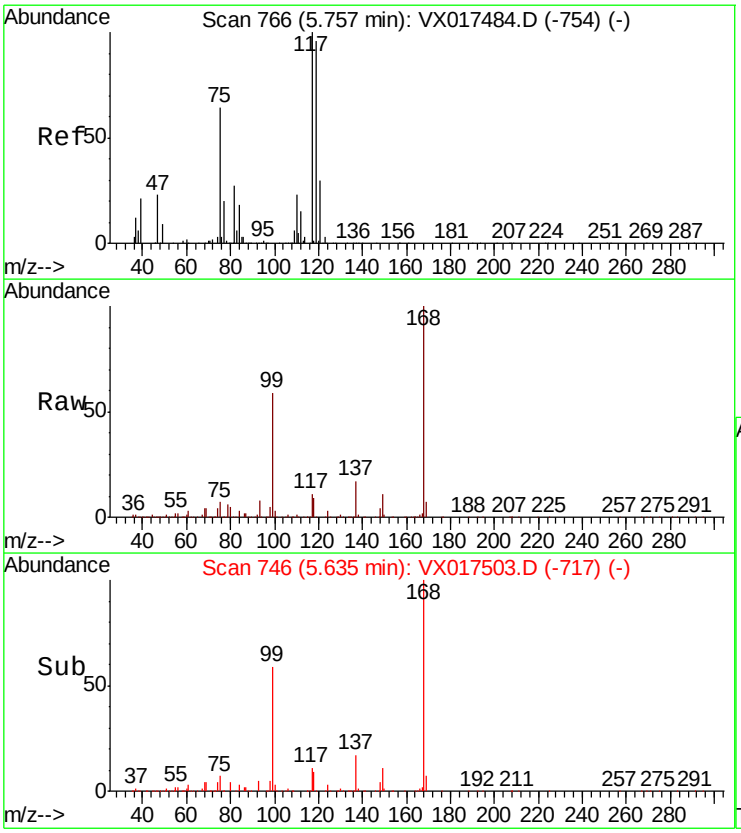

#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 75 Resp: 33717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.9 | 18.1 | 54.3# |
| 77 | 0.9 | 24.6 | 37.0# |

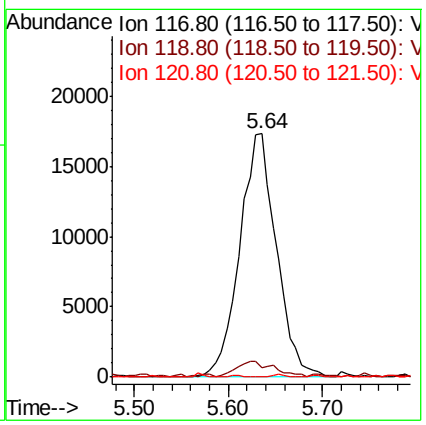


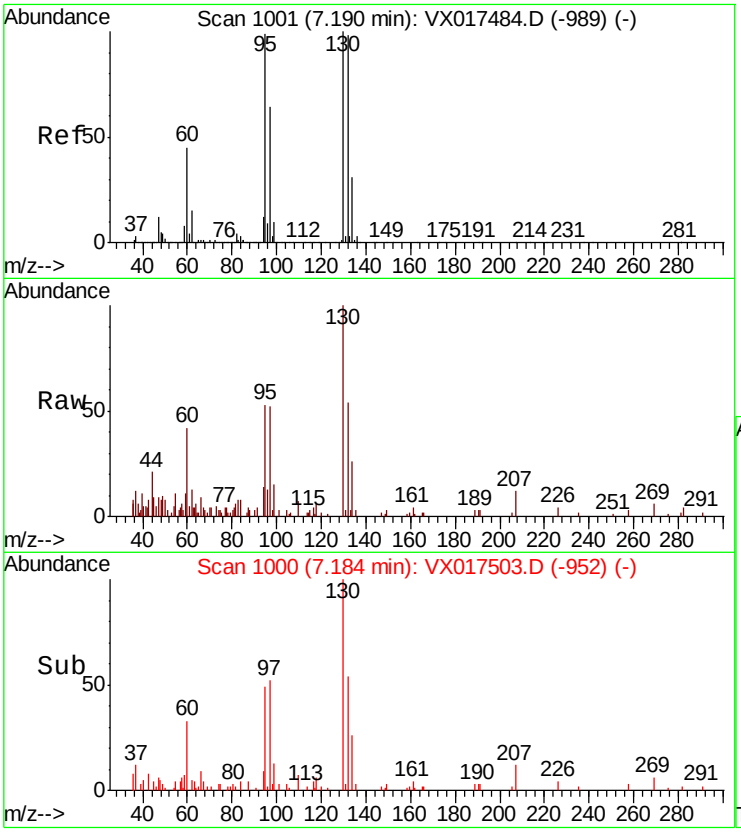




#38
Carbon Tetrachloride
Concen: 5.319 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion:117 Resp: 47009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.8 | 75.4 | 113.0# |
| 121 | 0.0 | 24.3 | 36.5# |



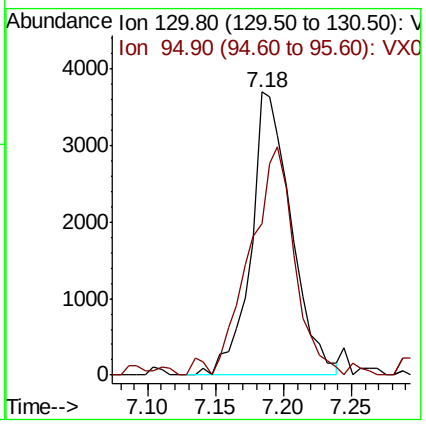


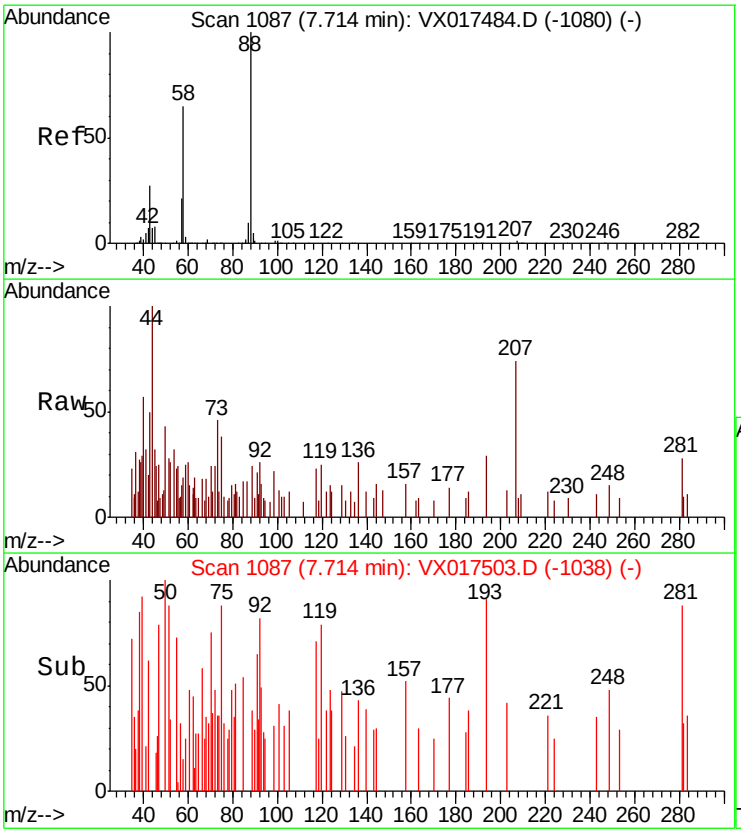

#44
Trichloroethene
Concen: 1.261 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion:130 Resp: 7690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 53.4 | 0.0 | 189.0 |

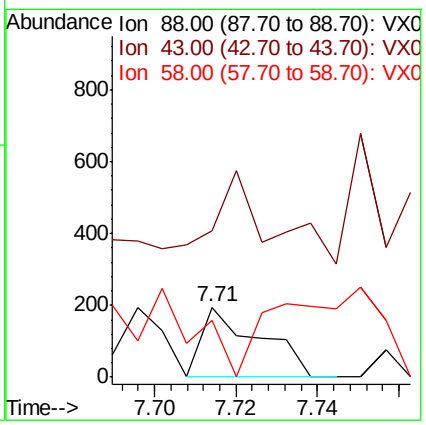


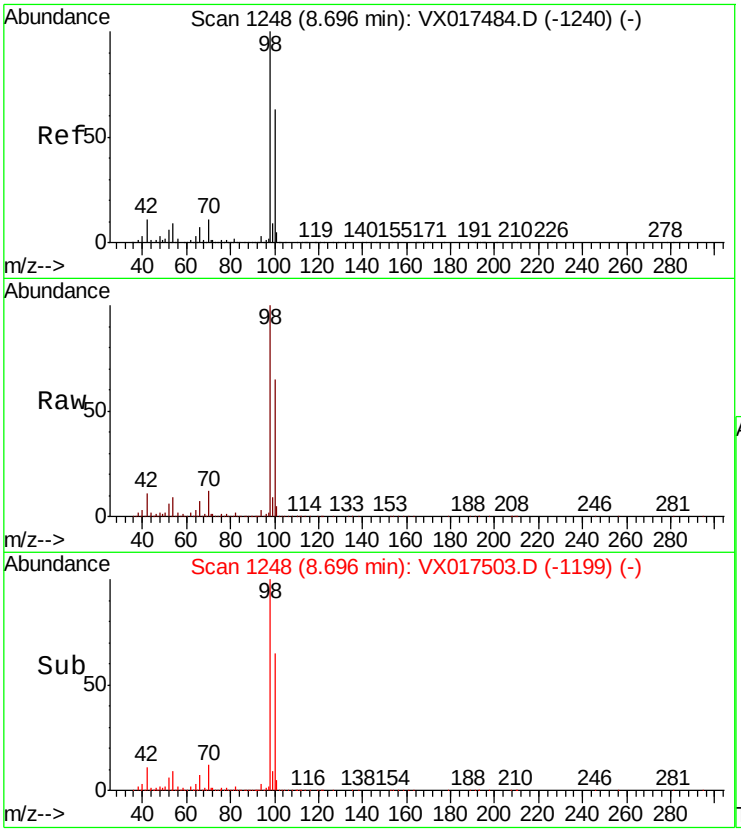




#49
1,4-Dioxane
Concen: 1.530 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 88 Resp: 191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 68.6 | 27.8 | 41.6# |
| 58 | 153.4 | 58.3 | 87.5# |



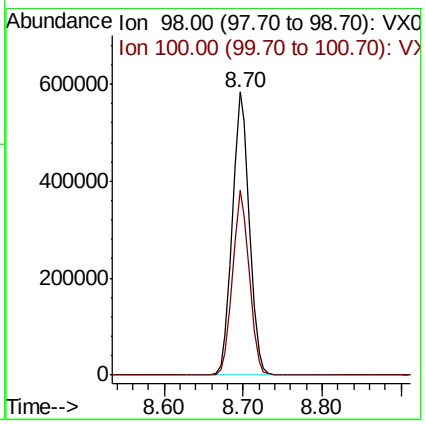


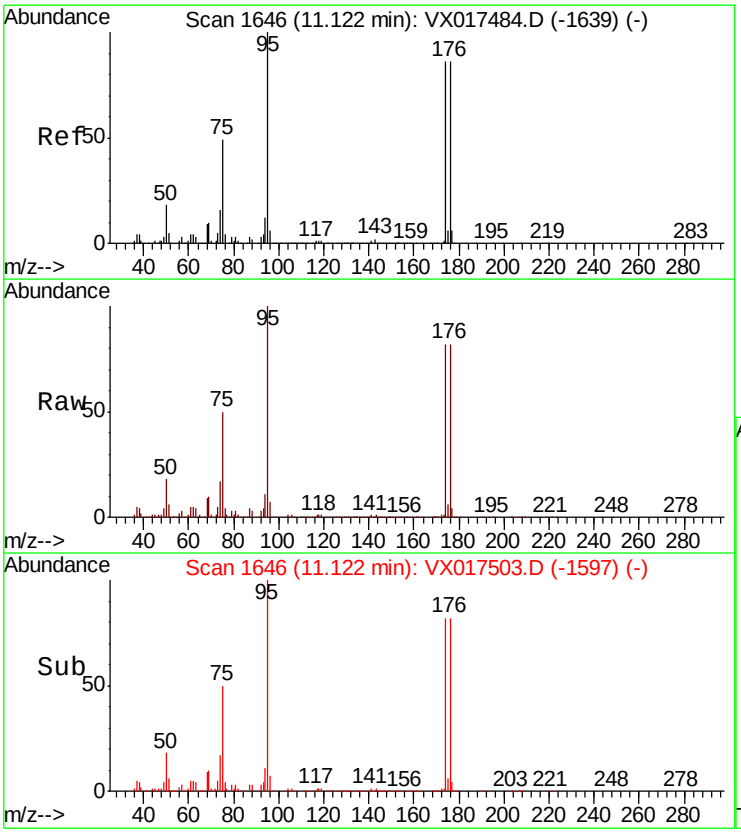

#50
Toluene-d8
Concen: 48.154 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 98 Resp: 881649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 52.3 | 78.5 |

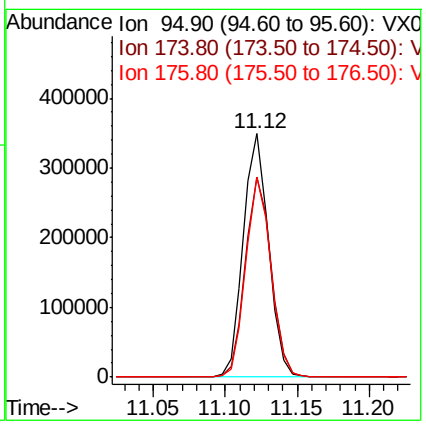


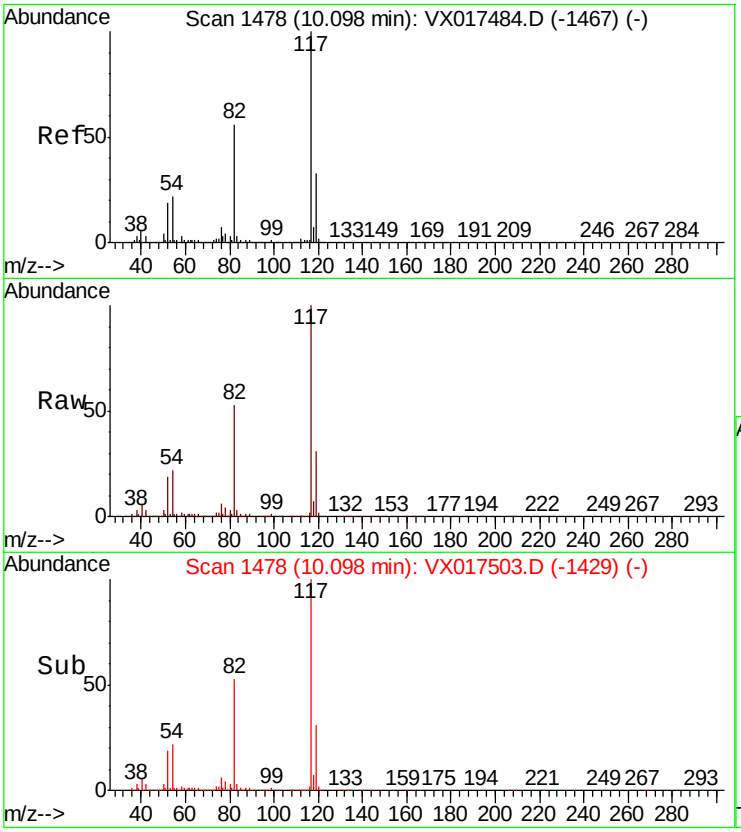




#62
4-Bromofluorobenzene
Concen: 57.673 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 95 Resp: 422584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.9 | 0.0 | 169.0 |
| 176 | 81.5 | 0.0 | 161.0 |



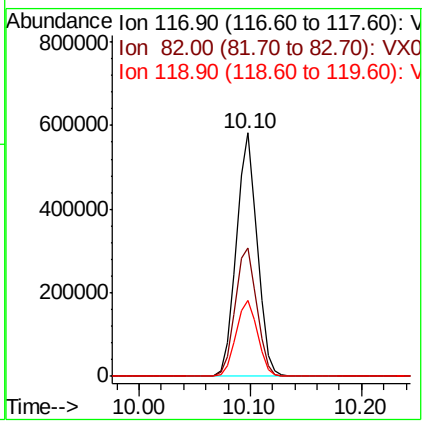


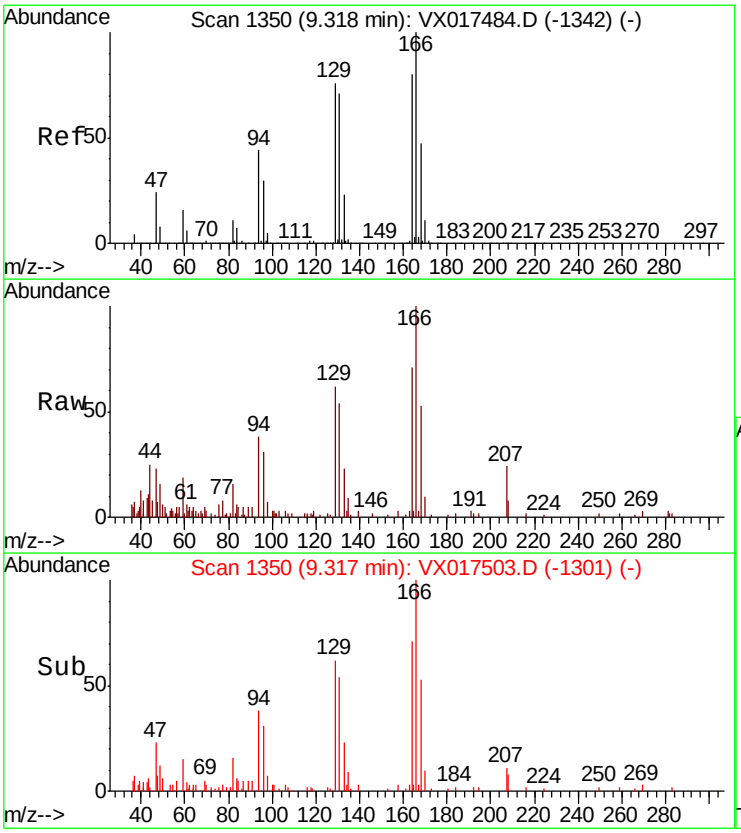

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :** MSVOA_X
**ClientSampleId :** KY038PS027-200720

Tgt Ion:117 Resp: 754538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.8 | 44.0 | 66.0 |
| 119 | 31.4 | 25.4 | 38.0 |

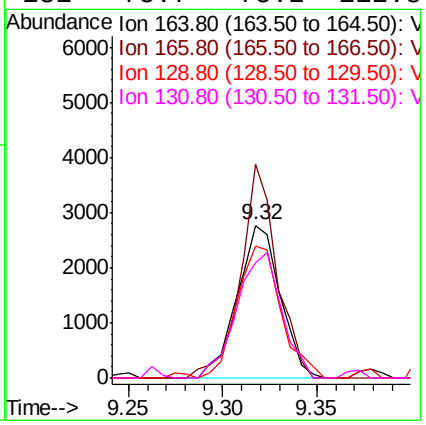


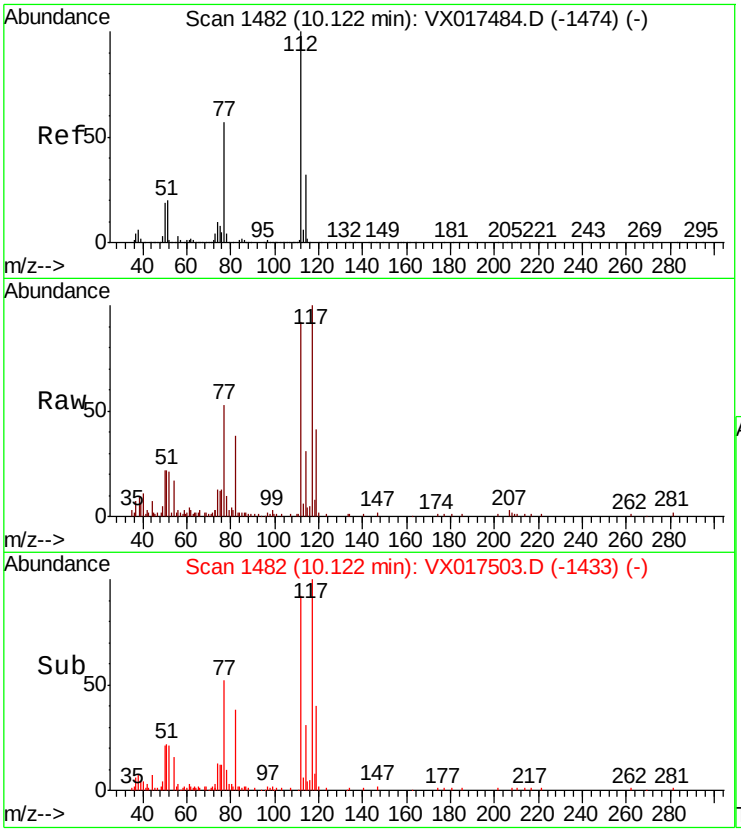




#64
Tetrachloroethene
Concen: 0.647 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion:164 Resp: 4381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 139.9 | 100.6 | 150.8 |
| 129 | 86.7 | 75.0 | 112.6 |
| 131 | 75.7 | 75.2 | 112.8 |



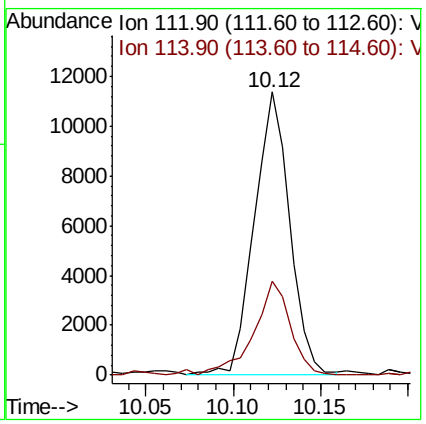


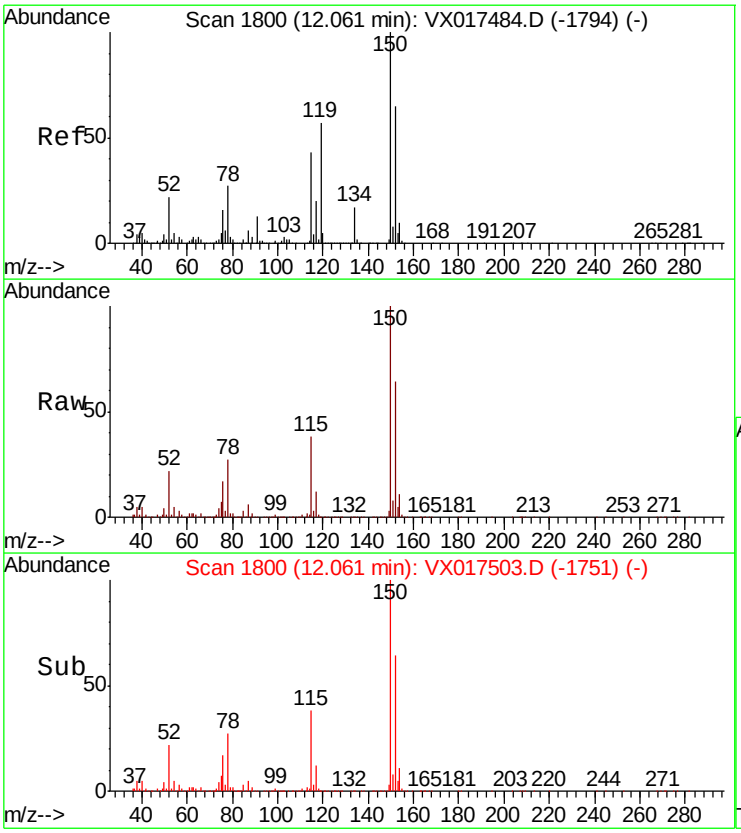

#65
Chlorobenzene
Concen: 0.981 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion:112 Resp: 16023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.4 | 25.7 | 38.5 |

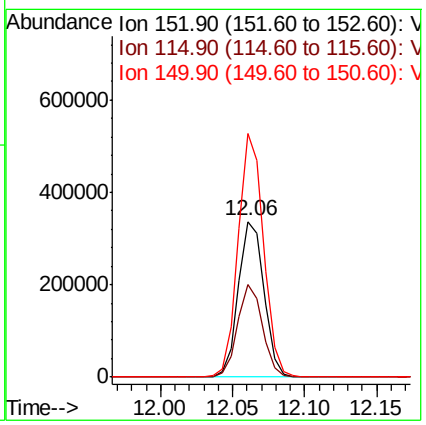


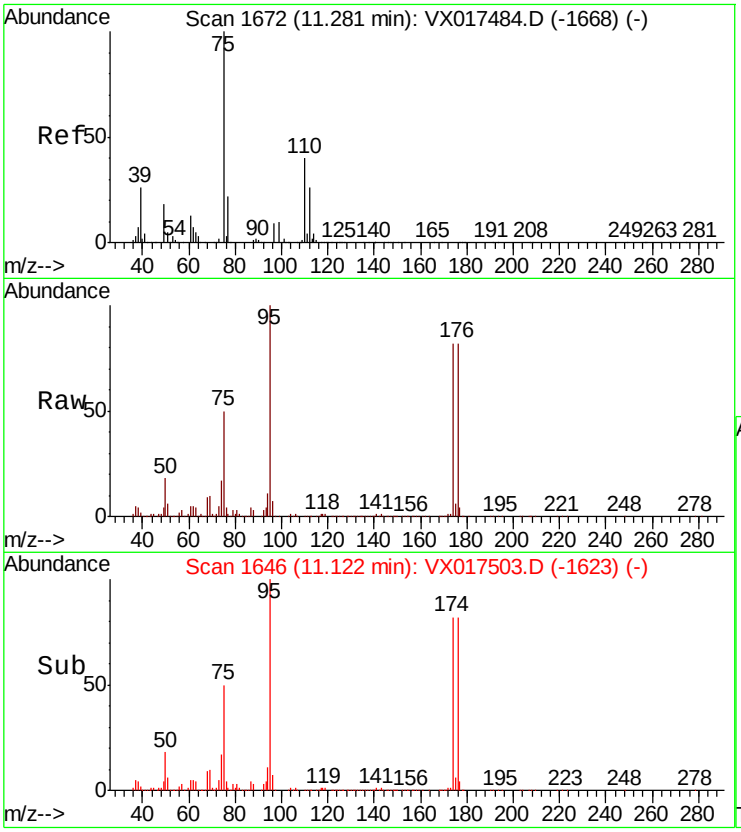




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion:152 Resp: 418014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.5 | 65.5 | 196.6# |
| 150 | 153.7 | 0.0 | 412.6 |



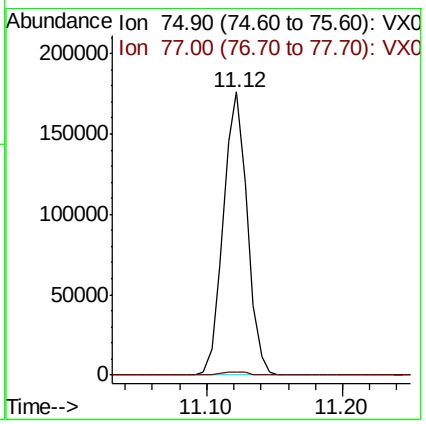


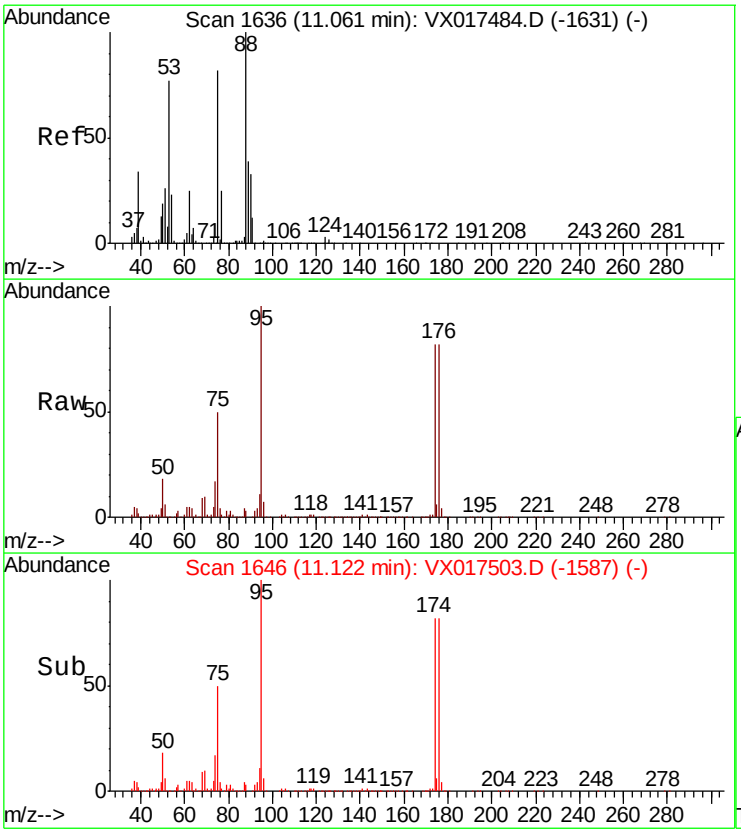

#76
1,2,3-Trichloropropane
Concen: 24.891 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 75 Resp: 214035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 21.8 | 65.3# |

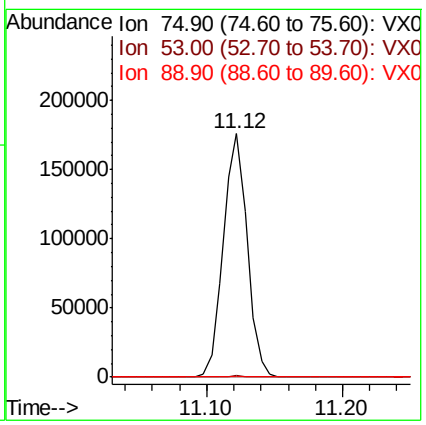


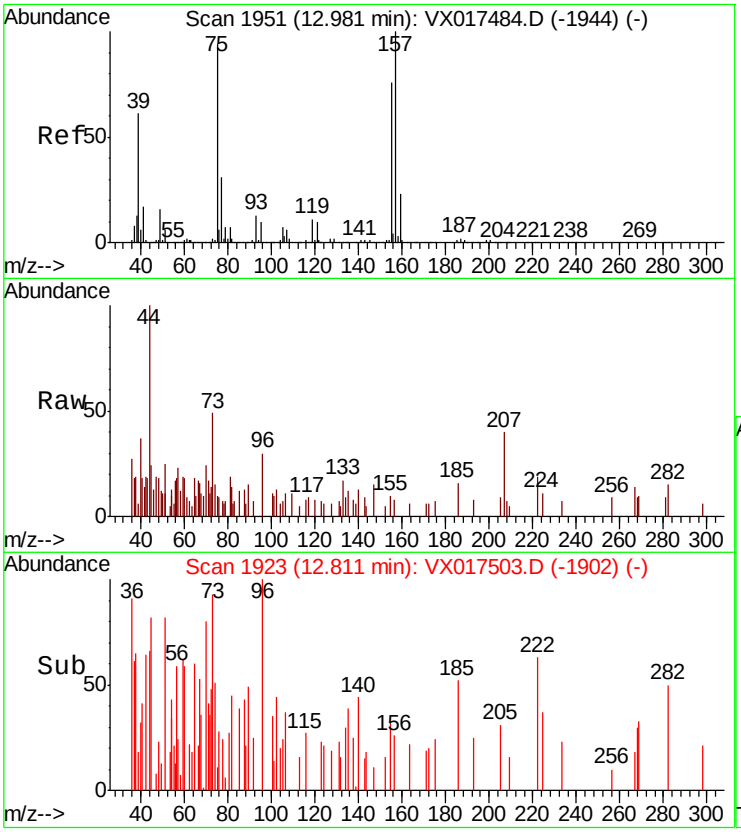




#81
trans-1,4-Dichloro-2-butene
Concen: 62.721 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

Tgt Ion: 75 Resp: 214035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.5 | 75.9 | 113.9# |
| 89 | 0.1 | 37.8 | 56.6# |






#92
1,2-Dibromo-3-Chloropropane
Concen: 2.607 ug/l
RT: 12.81 min Scan# 1923
Delta R.T. -0.17 min
Lab File: VX017503.D
Acq: 23 Jul 2020 19:24

**Instrument :**
MSVOA_X
**ClientSampleId :**
KY038PS027-200720

Tgt Ion: 75 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 75.6 | 42.3 | 126.8 |
| 157 | 114.6 | 54.3 | 162.9 |