Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
Data File : VX005018.D
Acq On : 04 Oct 2018 15:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
10/5/2018 3:24:51 PM

Quant Time: Oct 05 03:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 267321 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 383000 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 358809 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 221305 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 173606 | 45.46 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.92% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 144249 | 44.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 88.88% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 554995 | 51.43 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.86% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 205668 | 52.90 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 176940 | 48.545 | ug/l | 99 |
| 3) Chloromethane | 1.32 | 50 | 186906 | 42.267 | ug/l | 100 |
| 4) Vinyl Chloride | 1.40 | 62 | 189037 | 45.579 | ug/l | 99 |
| 5) Bromomethane | 1.64 | 94 | 131969 | 53.659 | ug/l | 94 |
| 6) Chloroethane | 1.71 | 64 | 111440 | 49.270 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 247550 | 48.213 | ug/l | 93 |
| 8) Diethyl Ether | 2.19 | 74 | 103194 | 46.263 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 148317 | 50.711 | ug/l | 99 |
| 10) Methyl Iodide | 2.51 | 142 | 161627 | 41.297 | ug/l | 94 |
| 11) Tert butyl alcohol | 3.08 | 59 | 257082 | 240.772 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 135278 | 46.704 | ug/l | 96 |
| 13) Acrolein | 2.29 | 56 | 83014 | 109.273 | ug/l | 91 |
| 14) Allyl chloride | 2.72 | 41 | 301555 | 47.715 | ug/l | 97 |
| 15) Acrylonitrile | 3.15 | 53 | 563588 | 239.773 | ug/l | 96 |
| 16) Acetone | 2.45 | 43 | 522811 | 234.505 | ug/l | 91 |
| 17) Carbon Disulfide | 2.56 | 76 | 366989 | 42.165 | ug/l | 99 |
| 18) Methyl Acetate | 2.78 | 43 | 315137 | 55.791 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.20 | 73 | 508708 | 50.916 | ug/l | 97 |
| 20) Methylene Chloride | 2.85 | 84 | 157816 | 48.664 | ug/l | 91 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 145120 | 45.768 | ug/l | 85 |
| 22) Diisopropyl ether | 3.87 | 45 | 525198 | 49.350 | ug/l | 95 |
| 23) Vinyl Acetate | 3.82 | 43 | 2390922 | 245.438 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 293560 | 46.243 | ug/l | 100 |
| 25) 2-Butanone | 4.70 | 43 | 773493 | 235.374 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.58 | 77 | 222916 | 50.426 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 161842 | 45.690 | ug/l | 94 |
| 28) Bromochloromethane | 5.02 | 49 | 131381 | 43.948 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.16 | 42 | 496511 | 243.088 | ug/l | 99 |
| 30) Chloroform | 5.21 | 83 | 266427 | 44.407 | ug/l | 100 |
| 31) Cyclohexane | 5.57 | 56 | 247449 | 50.929 | ug/l | 89 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 227818 | 46.495 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 202034 | 45.619 | ug/l | 95 |
| 37) Ethyl Acetate | 4.86 | 43 | 268057 | 45.598 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 198863 | 42.717 | ug/l | 97 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDCCC050

**Manual Integrations APPROVED**
MMDadoda
10/5/2018 3:24:51 PM

Quant Time: Oct 05 03:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 246352 | 54.476 ug/l # | 83 |
| 40) Benzene | 6.14 | 78 | 606878 | 43.771 ug/l | 96 |
| 41) Methacrylonitrile | 5.06 | 41 | 152096 | 46.653 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.20 | 62 | 210454 | 42.938 ug/l | 98 |
| 43) Isopropyl Acetate | 6.46 | 43 | 404438 | 47.665 ug/l | 95 |
| 44) Trichloroethene | 7.21 | 130 | 166169 | 48.752 ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.52 | 63 | 164945 | 48.512 ug/l | 99 |
| 46) Dibromomethane | 7.66 | 93 | 104881 | 49.082 ug/l | 100 |
| 47) Bromodichloromethane | 7.90 | 83 | 201204 | 50.292 ug/l | 99 |
| 48) Methyl methacrylate | 7.78 | 41 | 210659 | 54.699 ug/l | 98 |
| 49) 1,4-Dioxane | 7.76 | 88 | 88978 | 929.962 ug/l | 96 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1433936 | 268.400 ug/l | 98 |
| 52) Toluene | 8.79 | 92 | 384269 | 50.439 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 235697 | 52.134 ug/l | 92 |
| 54) cis-1,3-Dichloropropene | 8.44 | 75 | 253708 | 53.577 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.22 | 97 | 159947 | 47.929 ug/l | 96 |
| 56) Ethyl methacrylate | 9.18 | 69 | 260530 | 48.218 ug/l | 95 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 268730 | 48.384 ug/l | 97 |
| 58) 2-Chloroethyl Vinyl ether | 8.32 | 63 | 728098 | 253.028 ug/l | 98 |
| 59) 2-Hexanone | 9.50 | 43 | 1154181 | 259.248 ug/l | 96 |
| 60) Dibromochloromethane | 9.59 | 129 | 165811 | 49.682 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.68 | 107 | 166445 | 46.572 ug/l | 96 |
| 64) Tetrachloroethene | 9.34 | 164 | 166049 | 47.020 ug/l | 96 |
| 65) Chlorobenzene | 10.14 | 112 | 432467 | 47.003 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 156771 | 48.466 ug/l | 99 |
| 67) Ethyl Benzene | 10.25 | 91 | 738297 | 50.542 ug/l | 94 |
| 68) m/p-Xylenes | 10.36 | 106 | 575078 | 100.746 ug/l | 96 |
| 69) o-Xylene | 10.70 | 106 | 278528 | 53.124 ug/l | 98 |
| 70) Styrene | 10.71 | 104 | 468081 | 47.831 ug/l | 100 |
| 71) Bromoform | 10.86 | 173 | 134611 | 48.609 ug/l | 95 |
| 73) Isopropylbenzene | 11.02 | 105 | 745752 | 53.462 ug/l | 99 |
| 74) N-amyl acetate | 10.90 | 43 | 368101 | 48.080 ug/l | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 263648 | 46.431 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.30 | 75 | 248065m | 50.011 ug/l | |
| 77) Bromobenzene | 11.26 | 156 | 198305 | 48.944 ug/l | 100 |
| 78) n-propylbenzene | 11.36 | 91 | 865863 | 54.100 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 509388 | 51.060 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 637050 | 49.828 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 80820 | 44.660 ug/l | 95 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 608286 | 51.802 ug/l | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 632356 | 55.060 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 657963 | 49.903 ug/l | 100 |
| 85) sec-Butylbenzene | 11.94 | 105 | 757694 | 54.164 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.07 | 119 | 687856 | 54.273 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 370447 | 48.965 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 373984 | 47.886 ug/l | 99 |
| 89) n-Butylbenzene | 12.39 | 91 | 620310 | 53.891 ug/l | 99 |
| 90) Hexachloroethane | 12.60 | 117 | 103566 | 49.079 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 371577 | 46.997 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 63480 | 50.916 ug/l | 99 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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10/5/2018 3:24:51 PM

Quant Time: Oct 05 03:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 286115 | 51.588 | ug/l | 100 |
| 94) Hexachlorobutadiene | 13.79 | 225 | 143376 | 49.853 | ug/l | 99 |
| 95) Naphthalene | 13.83 | 128 | 898198 | 48.811 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 289478 | 50.526 | ug/l | 100 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100418\
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Quant Time: Oct 05 03:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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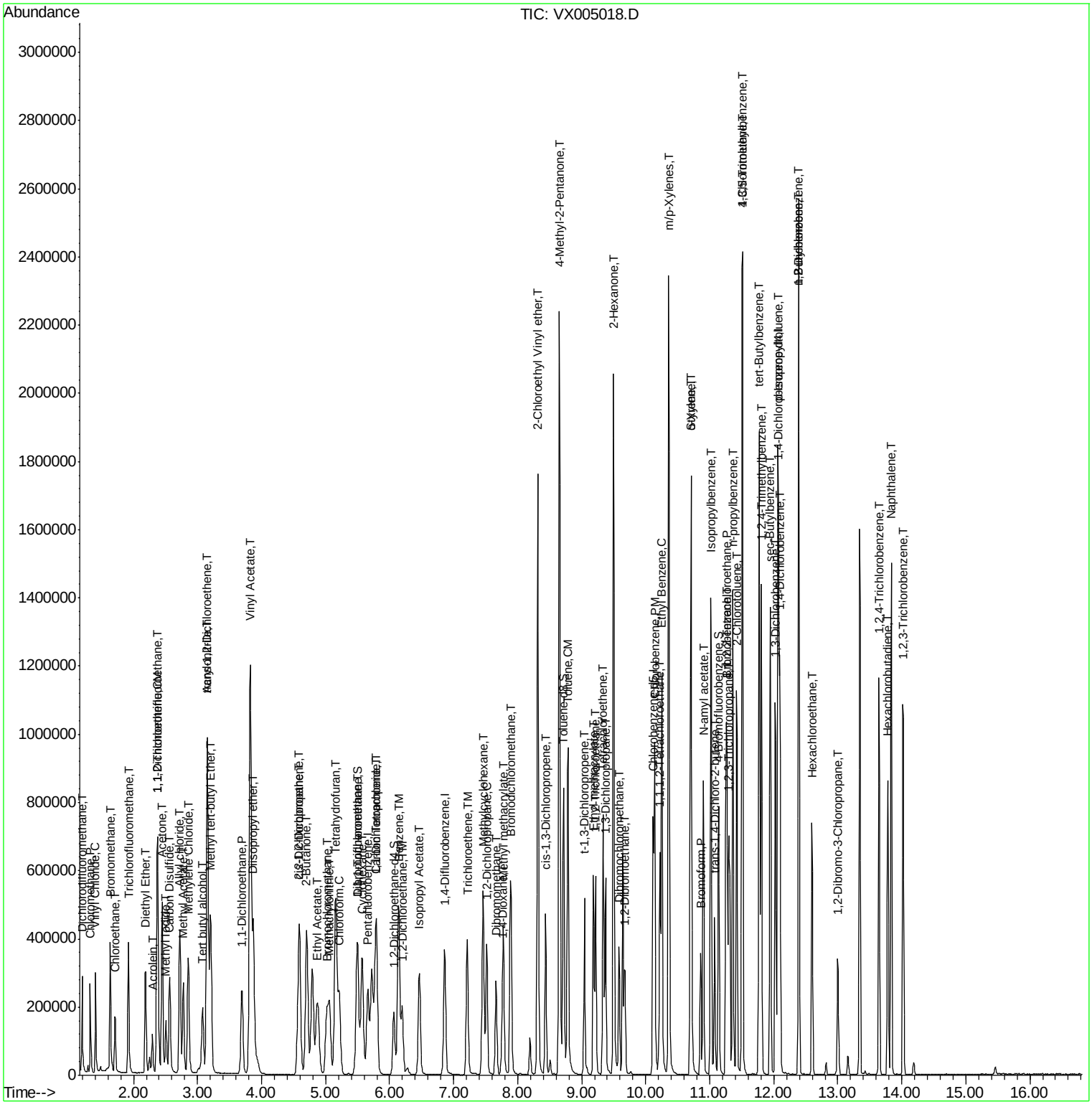
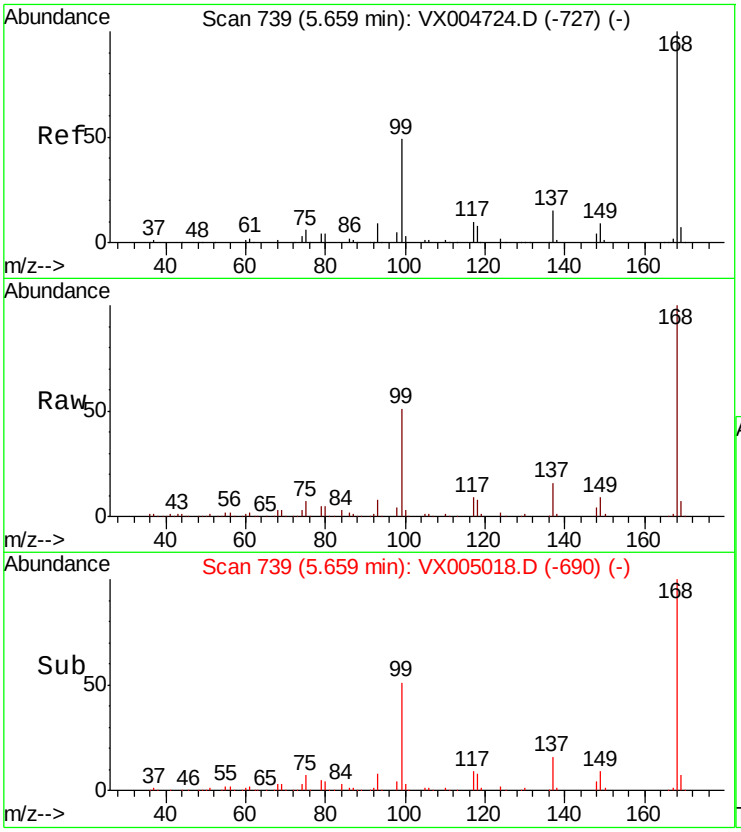
10/5/2018 3:24:51 PM

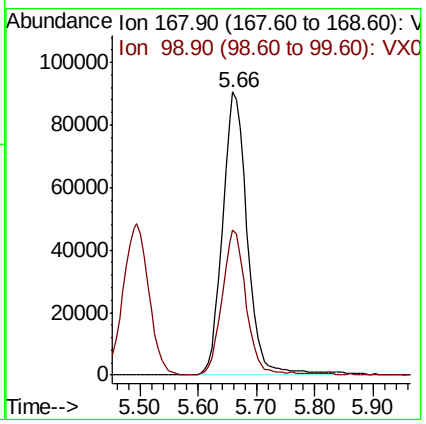





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

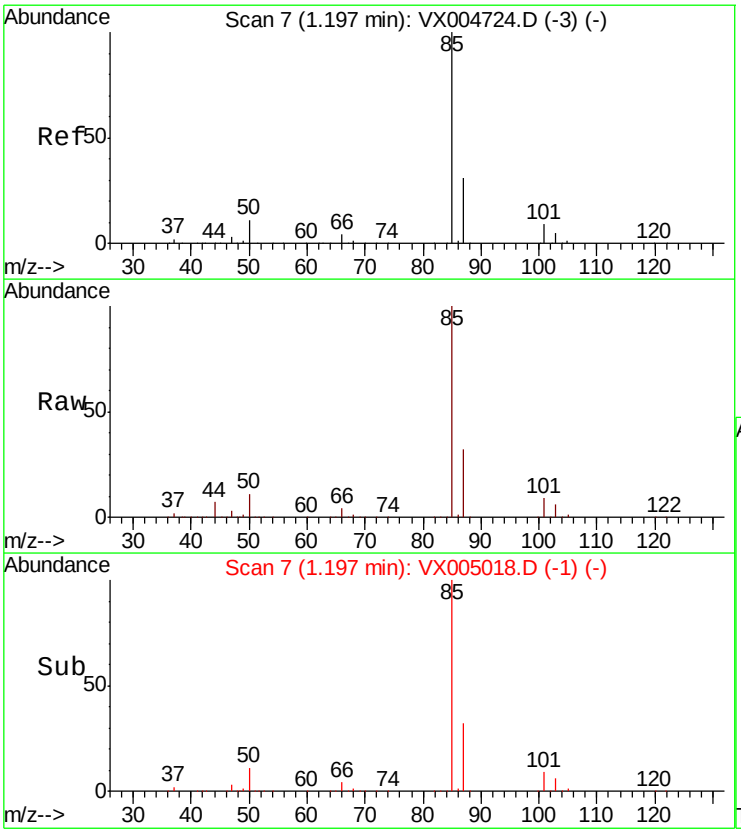
Tgt Ion:168 Resp: 267321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.0 | 39.3 | 58.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

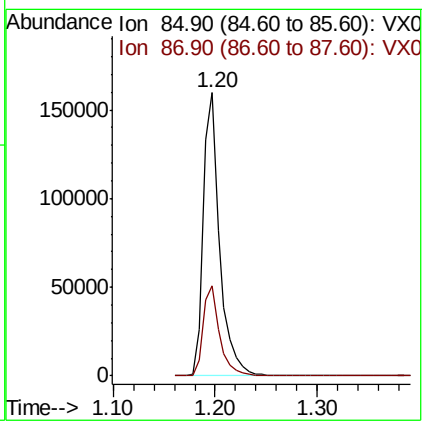
**Manual Integrations APPROVED**
MMDadoda
10/5/2018 3:24:51 PM

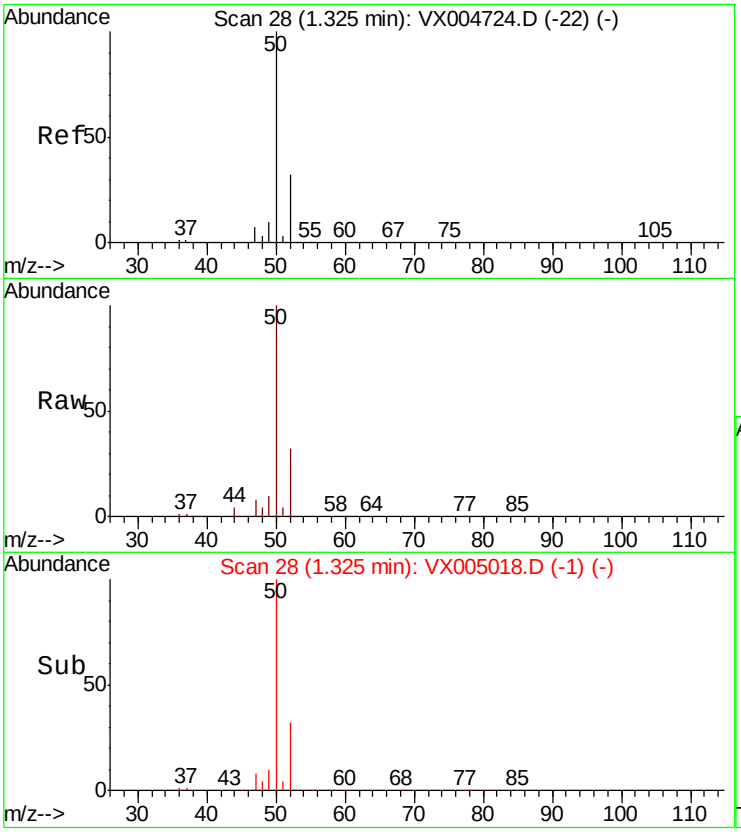



#2
Dichlorodifluoromethane
Concen: 48.545 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 85 Resp: 176940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 15.7 | 47.1 |

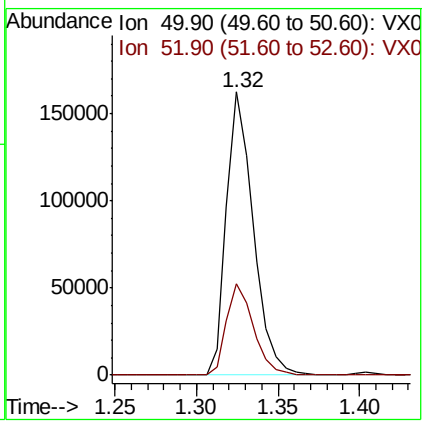





#3
Chloromethane
Concen: 42.267 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 50 Resp: 186906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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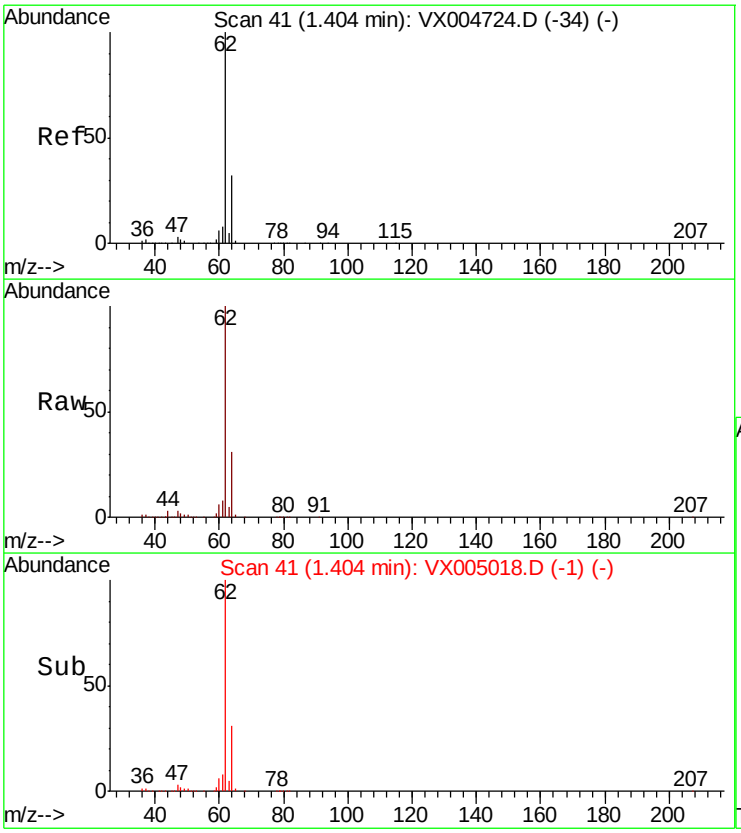
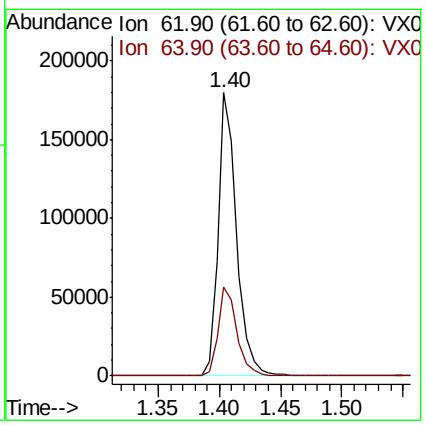
10/5/2018 3:24:51 PM

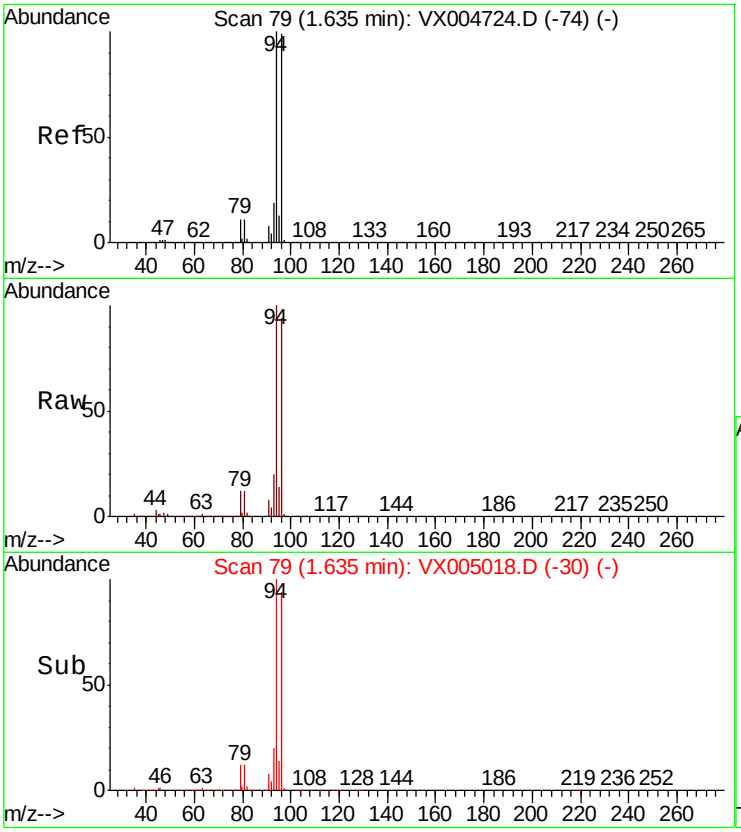



#4
Vinyl Chloride
Concen: 45.579 ug/l
RT: 1.40 min Scan# 41
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 62 Resp: 189037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.2 | 25.5 | 38.3 |

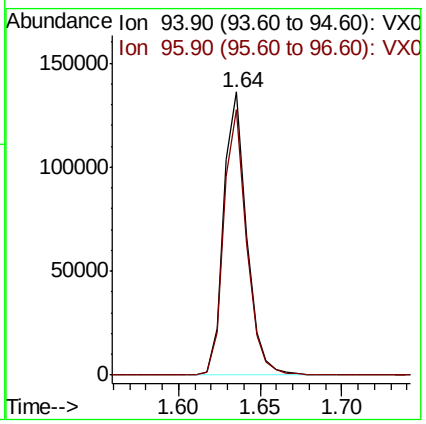





#5
Bromomethane
Concen: 53.659 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 94 Resp: 131969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.8 | 79.5 | 119.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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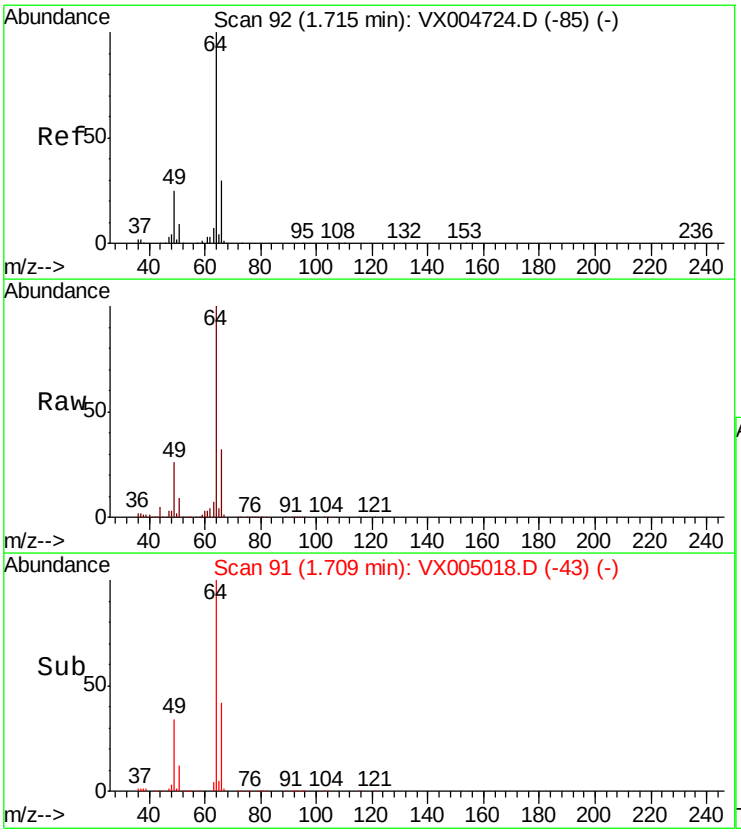
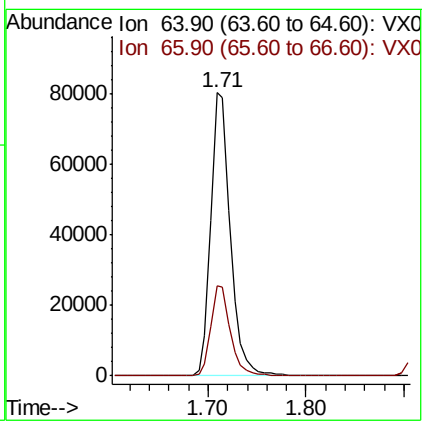
10/5/2018 3:24:51 PM

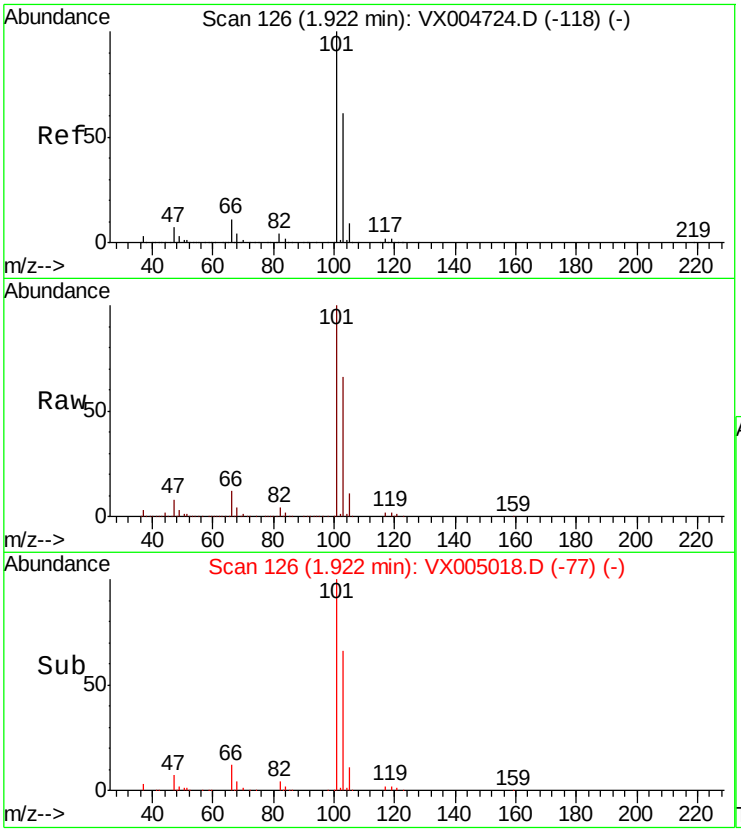



#6
Chloroethane
Concen: 49.270 ug/l
RT: 1.71 min Scan# 91
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 64 Resp: 111440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.5 | 23.8 | 35.6 |

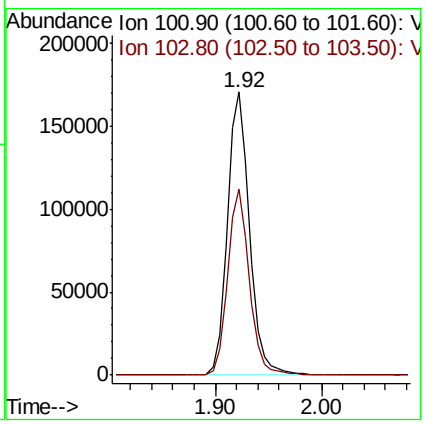





#7
Trichlorofluoromethane
Concen: 48.213 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

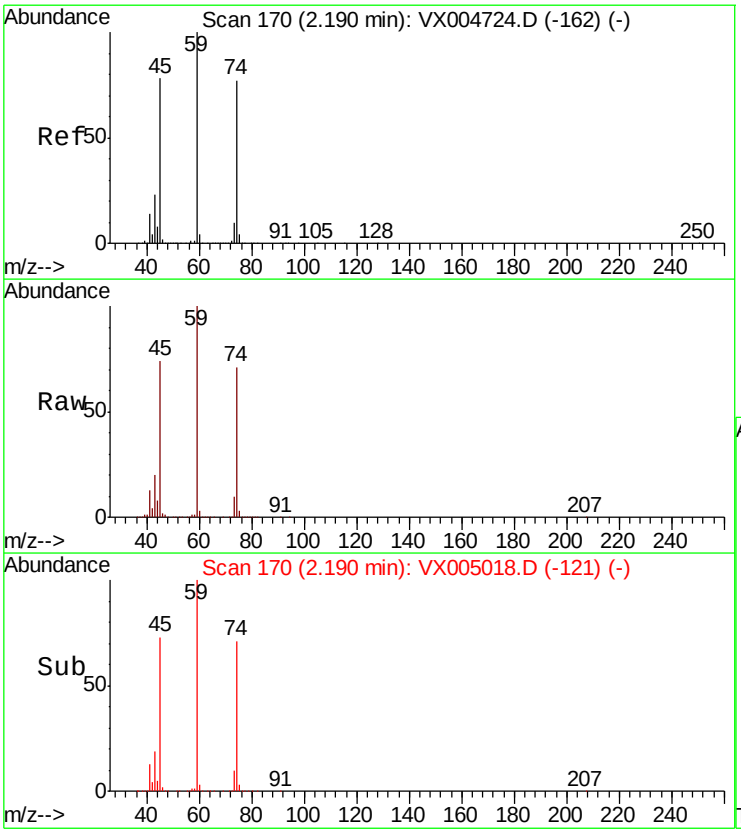
Tgt Ion:101 Resp: 247550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.8 | 48.4 | 72.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

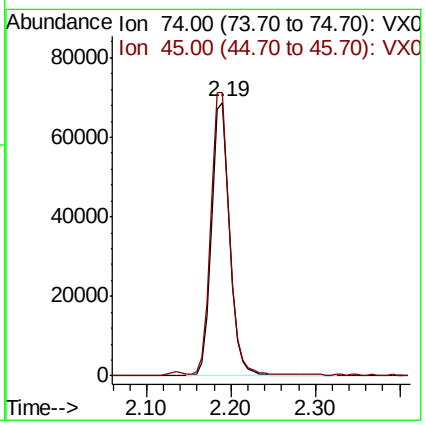
**Manual Integrations APPROVED**
MMDadoda
10/5/2018 3:24:51 PM

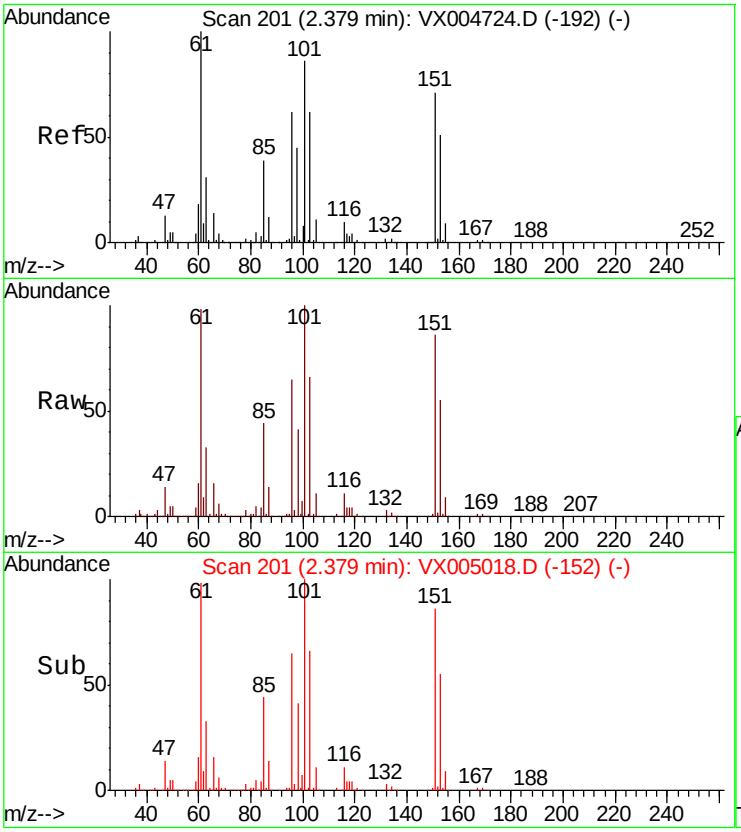



#8
Diethyl Ether
Concen: 46.263 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 74 Resp: 103194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.6 | 52.5 | 157.6 |

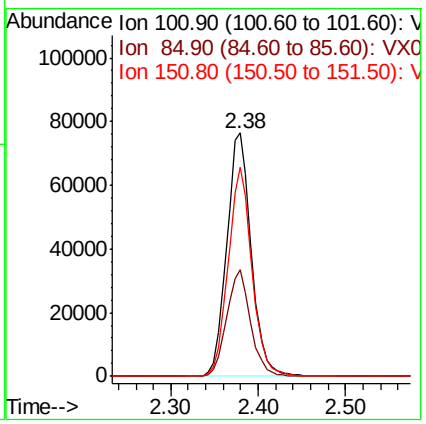





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.711 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:101 Resp: 148317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.8 | 35.9 | 53.9 |
| 151 | 83.6 | 66.6 | 100.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
MMDadoda
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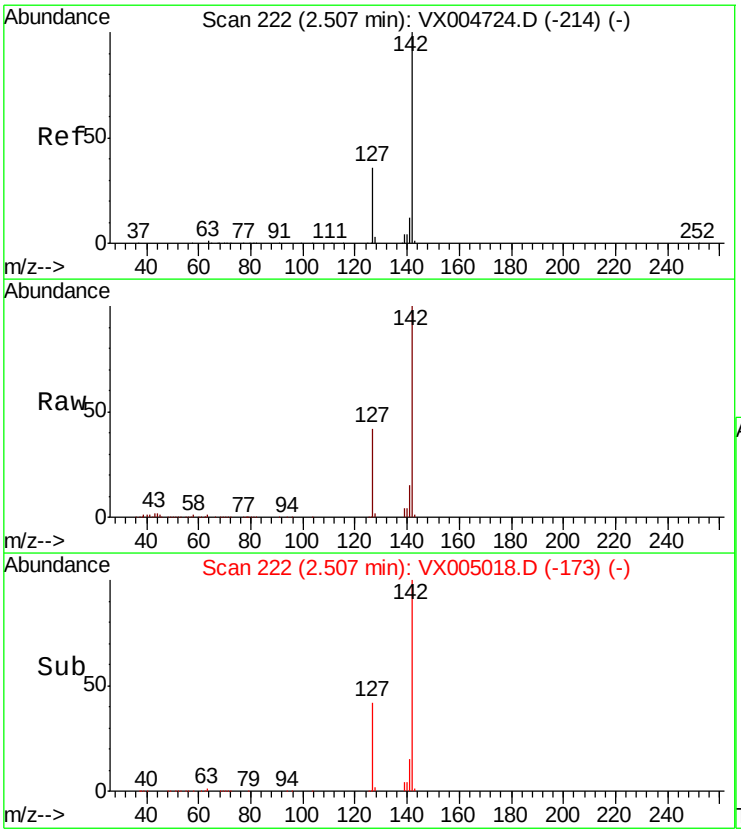
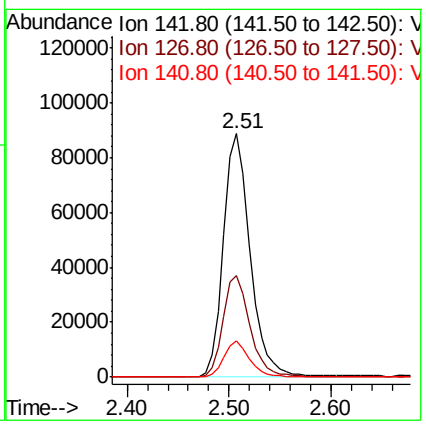
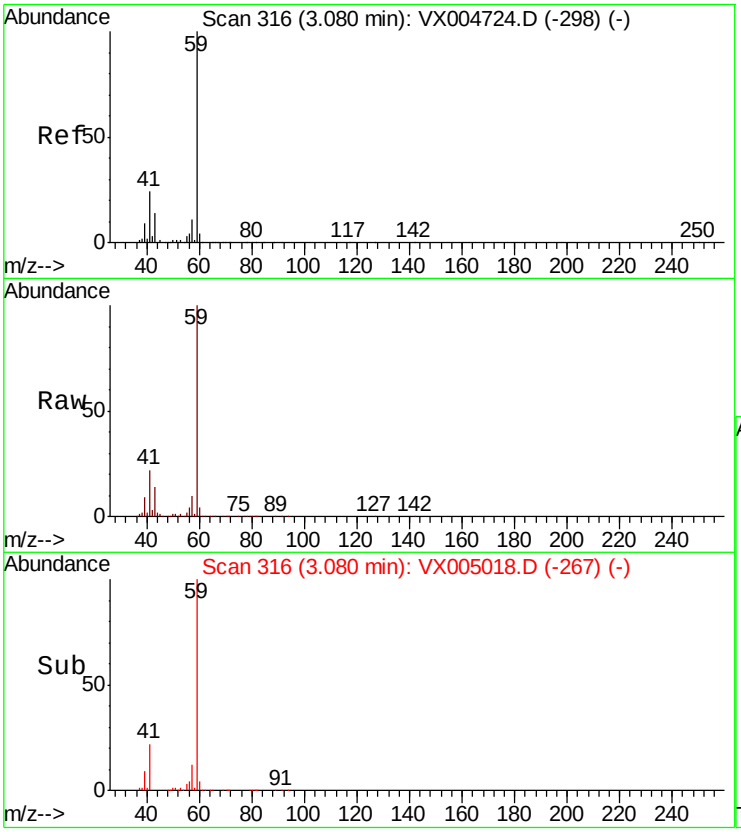



#10
Methyl Iodide
Concen: 41.297 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:142 Resp: 161627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 42.0 | 30.1 | 45.1 |
| 141 | 14.2 | 10.1 | 15.1 |

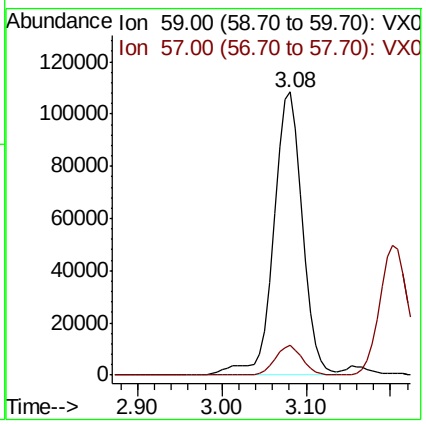





#11
Tert butyl alcohol
Concen: 240.772 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 59 Resp: 257082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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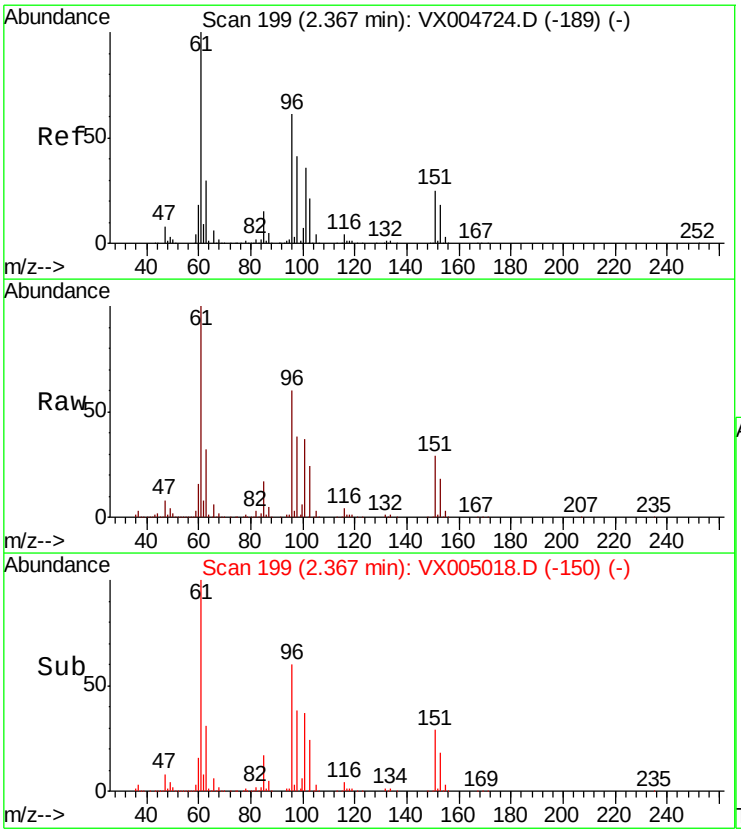
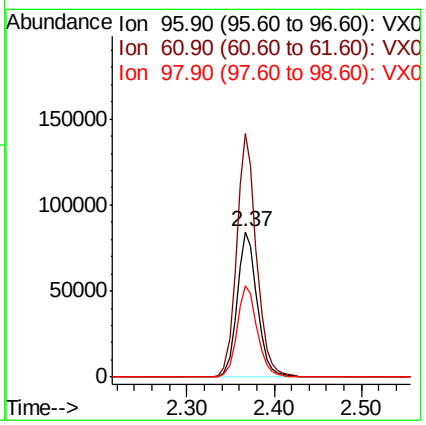
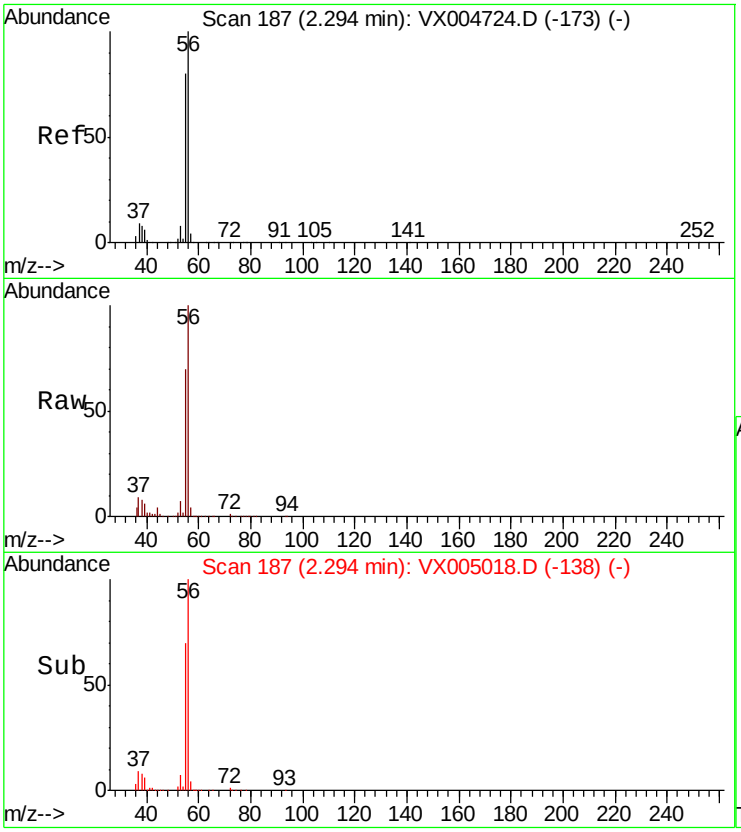



#12
1,1-Dichloroethene
Concen: 46.704 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 96 Resp: 135278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.5 | 130.2 | 195.4 |
| 98 | 63.0 | 53.4 | 80.0 |

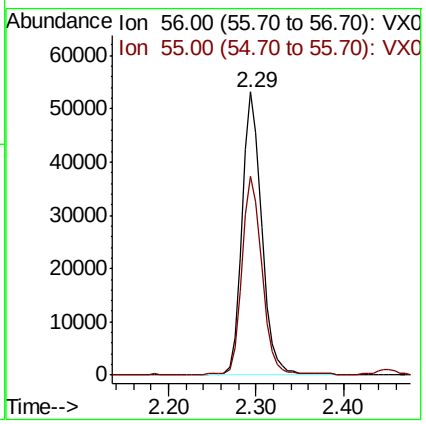





#13
Acrolein
Concen: 109.273 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 56 Resp: 83014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.2 | 63.4 | 95.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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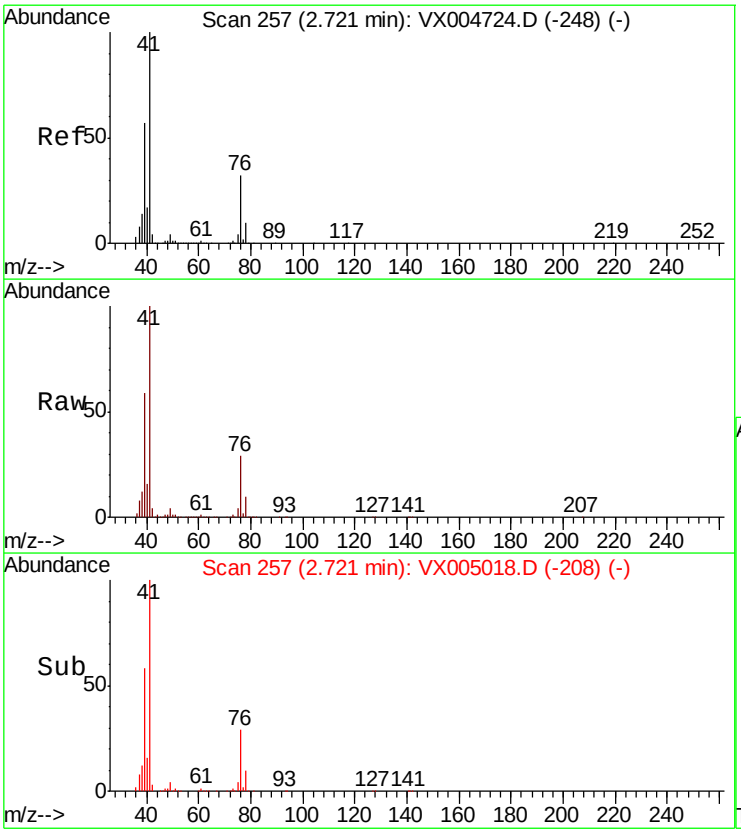
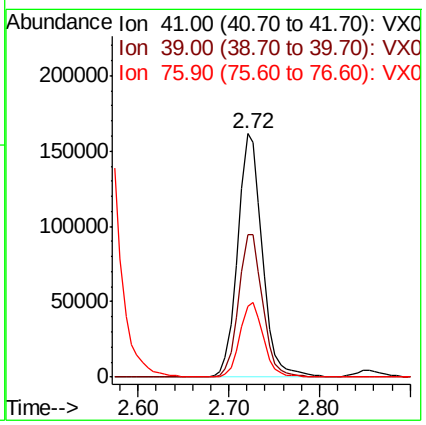
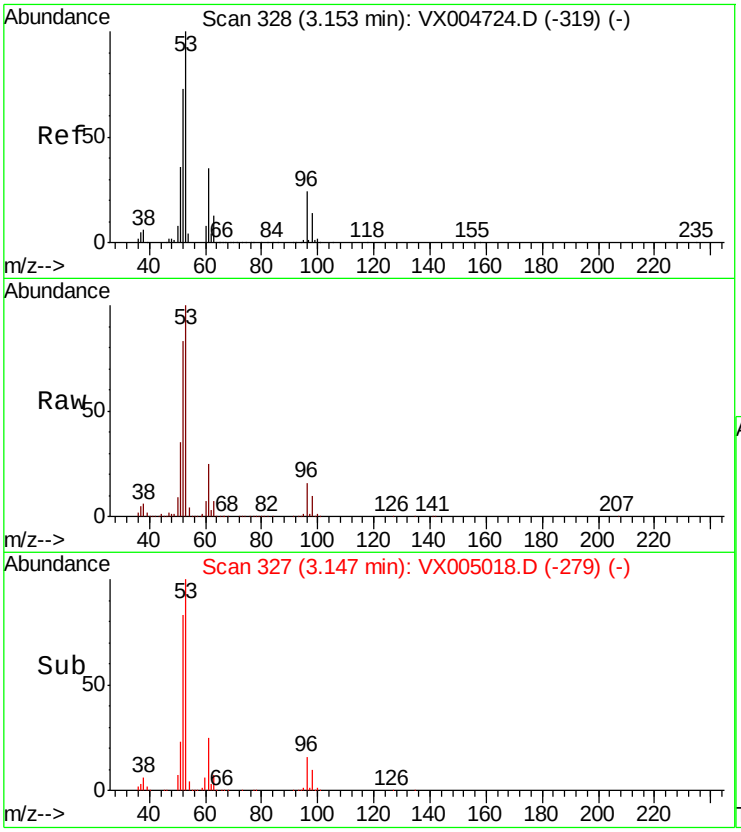



#14
Allyl chloride
Concen: 47.715 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 41 Resp: 301555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.6 | 44.1 | 66.1 |
| 76 | 29.3 | 25.0 | 37.4 |

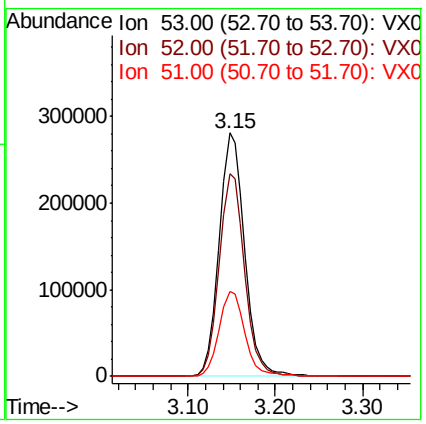





#15
Acrylonitrile
Concen: 239.773 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 53 Resp: 563588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.2 | 63.0 | 94.4 |
| 51 | 35.5 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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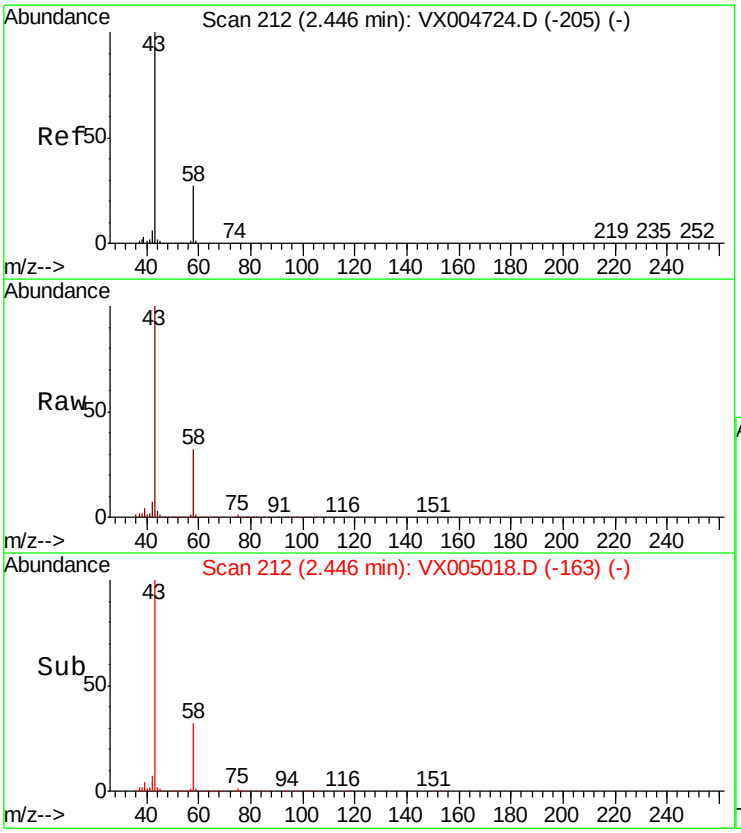
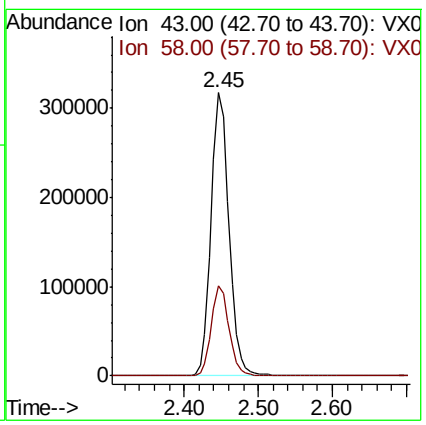
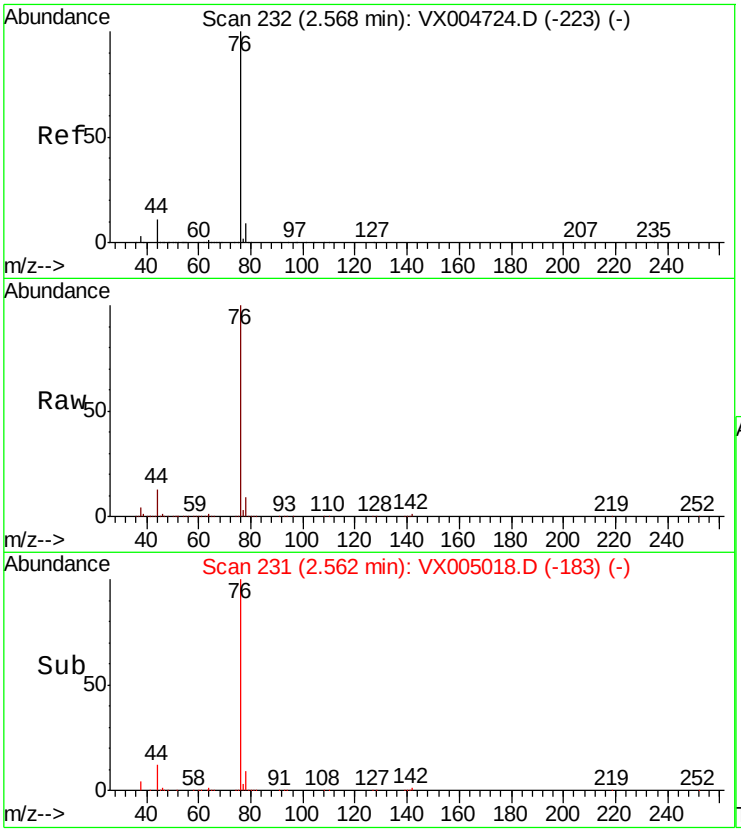



#16
Acetone
Concen: 234.505 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 522811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 21.8 | 32.6 |

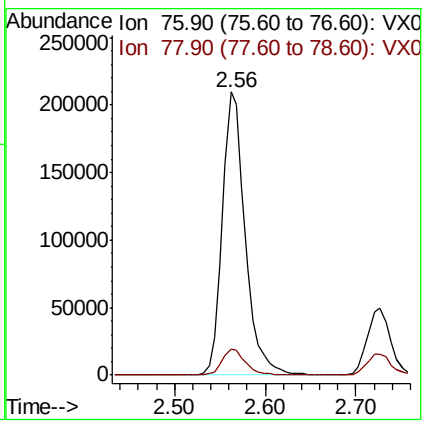





#17
Carbon Disulfide
Concen: 42.165 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 76 Resp: 366989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.0 | 10.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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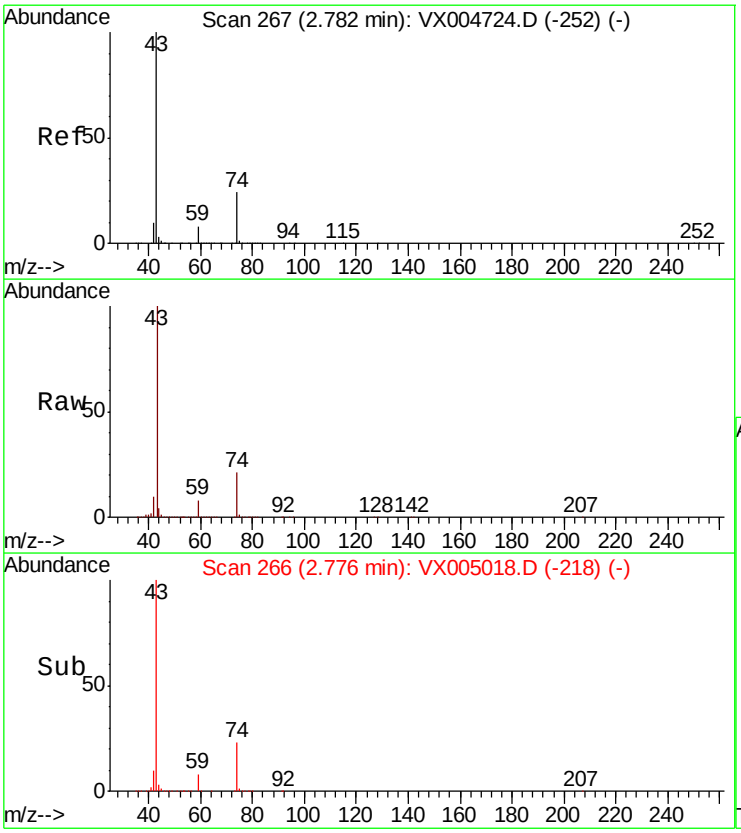
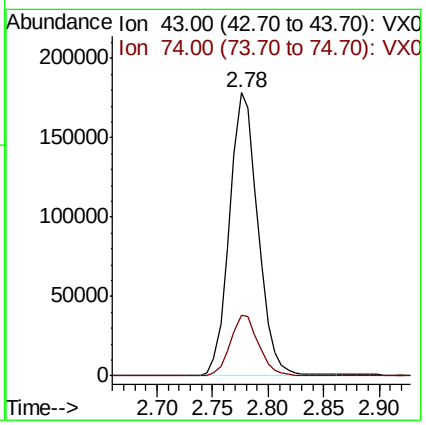
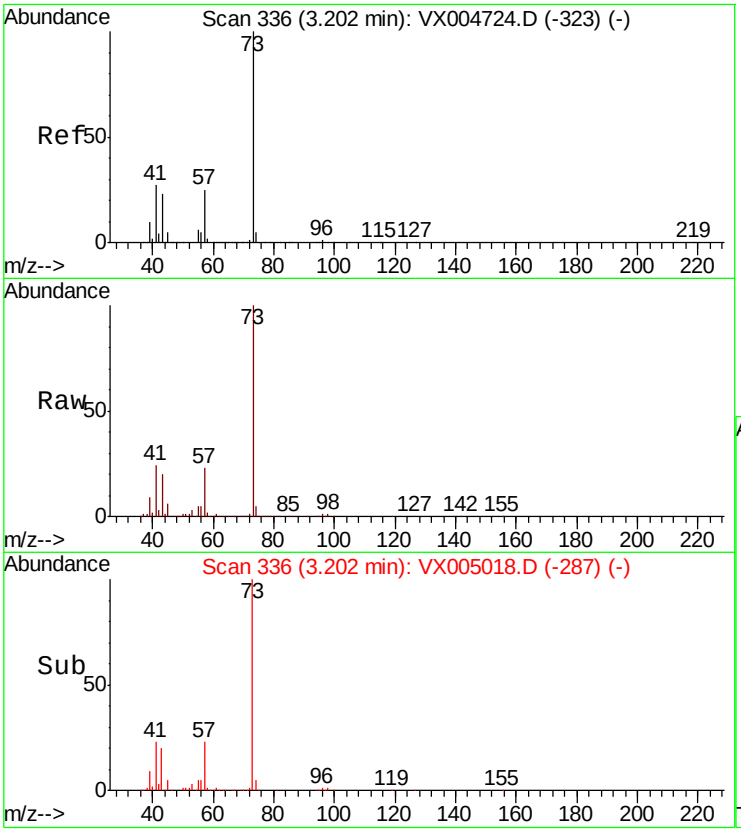



#18
Methyl Acetate
Concen: 55.791 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 315137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.7 | 17.8 | 26.8 |

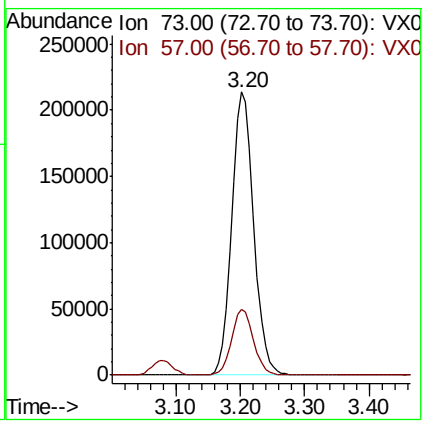





#19
Methyl tert-butyl Ether
Concen: 50.916 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 73 Resp: 508708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.3 | 19.9 | 29.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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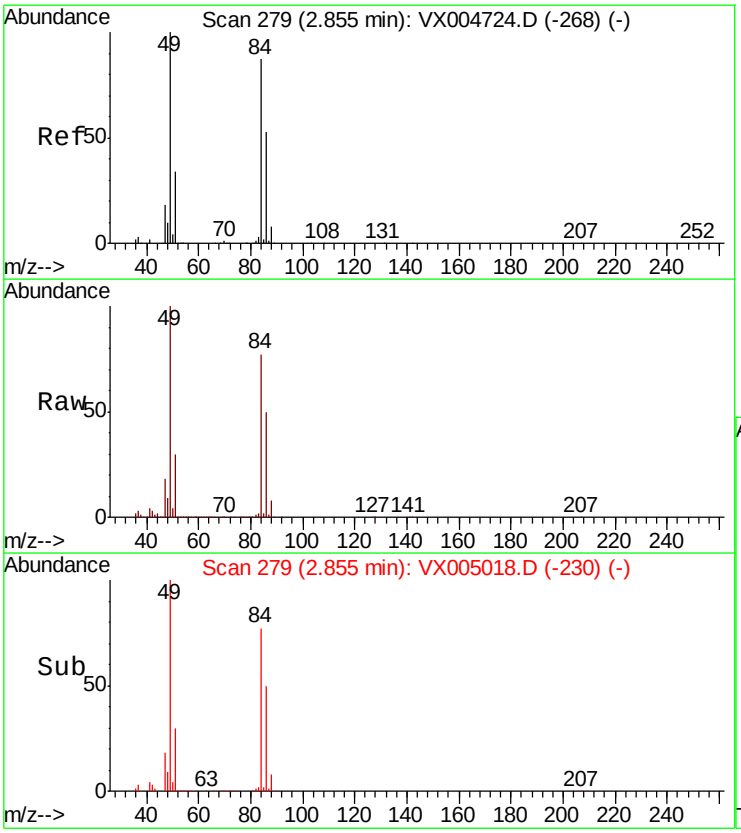
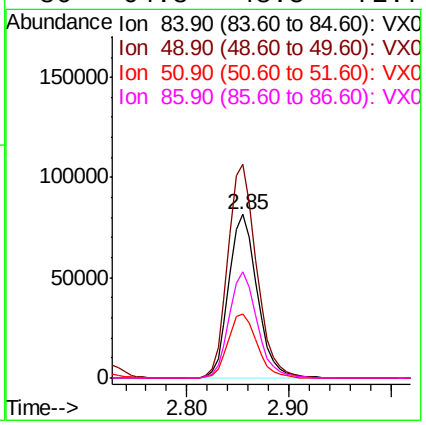
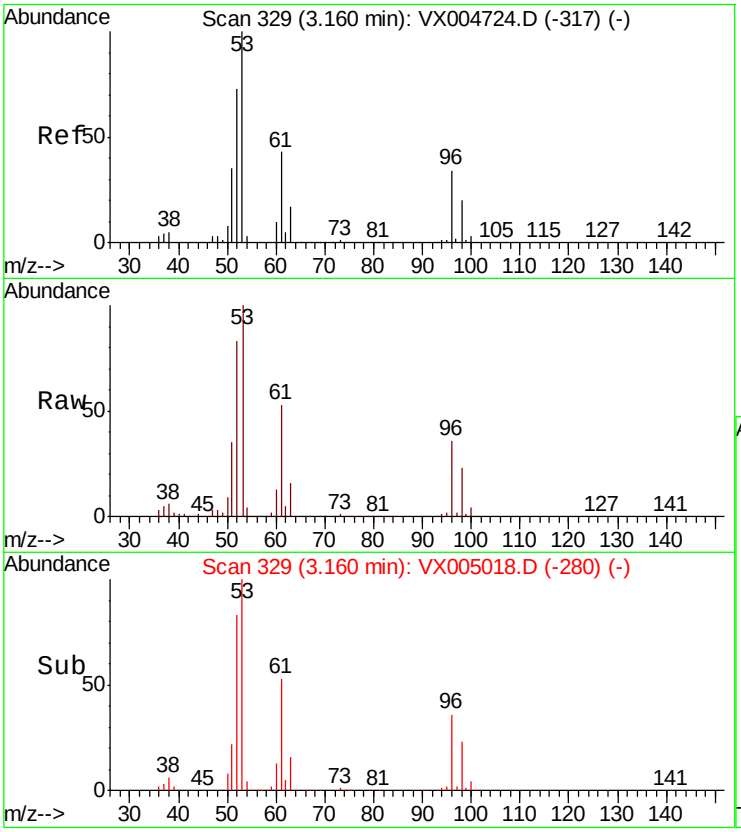



#20
Methylene Chloride
Concen: 48.664 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 84 Resp: 157816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.5 | 92.3 | 138.5 |
| 51 | 39.0 | 31.8 | 47.6 |
| 86 | 64.8 | 48.5 | 72.7 |

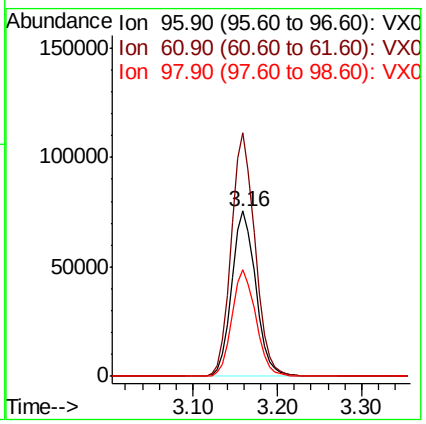





#21
trans-1,2-Dichloroethene
Concen: 45.768 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 96 Resp: 145120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 101.0 | 151.6 |
| 98 | 64.6 | 47.2 | 70.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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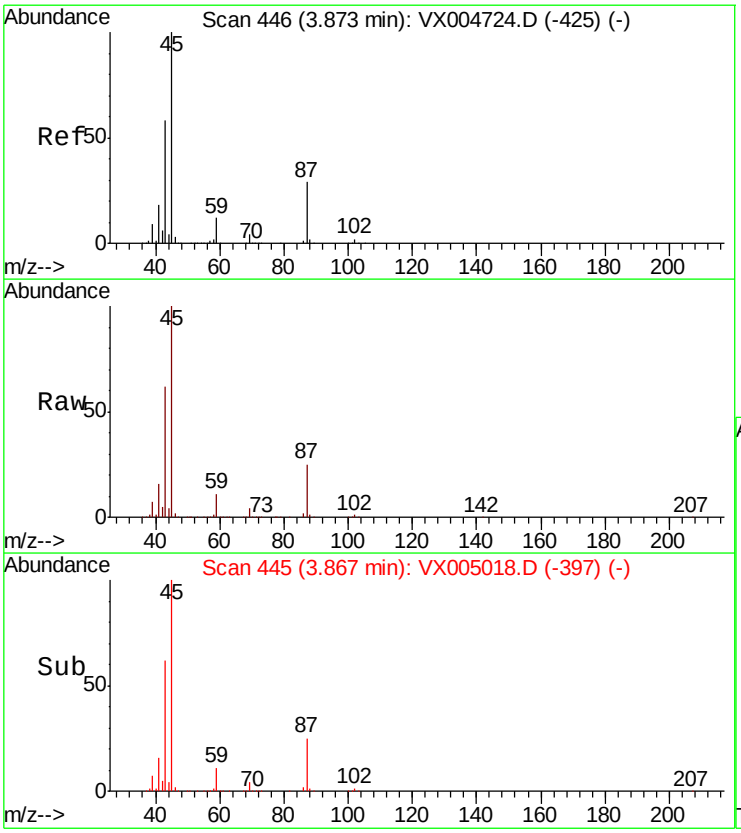
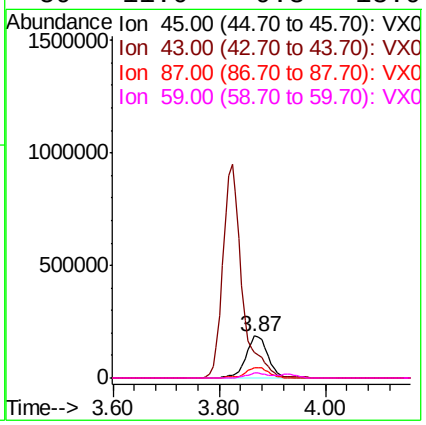
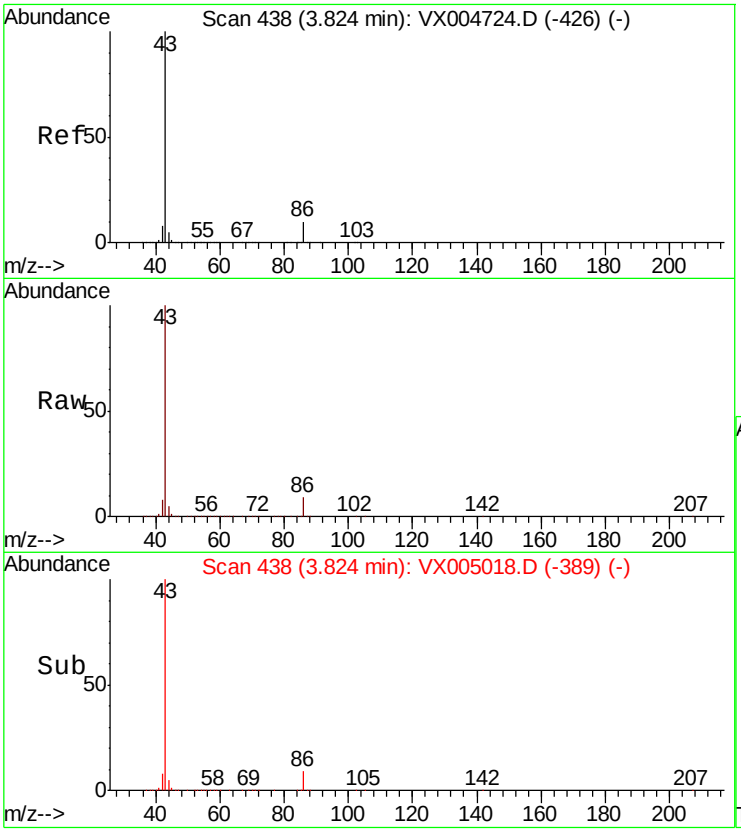



#22
Diisopropyl ether
Concen: 49.350 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 45 Resp: 525198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 61.5 | 46.7 | 70.1 |
| 87 | 24.9 | 22.9 | 34.3 |
| 59 | 11.0 | 9.3 | 13.9 |

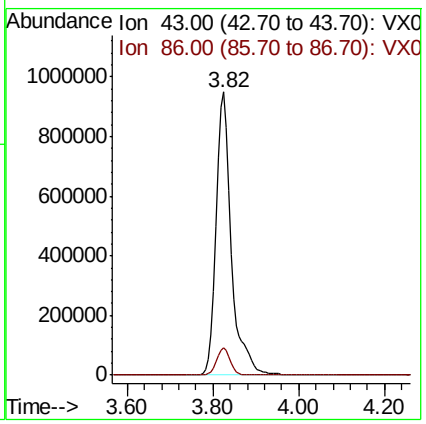





#23
Vinyl Acetate
Concen: 245.438 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 2390922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 8.1 | 12.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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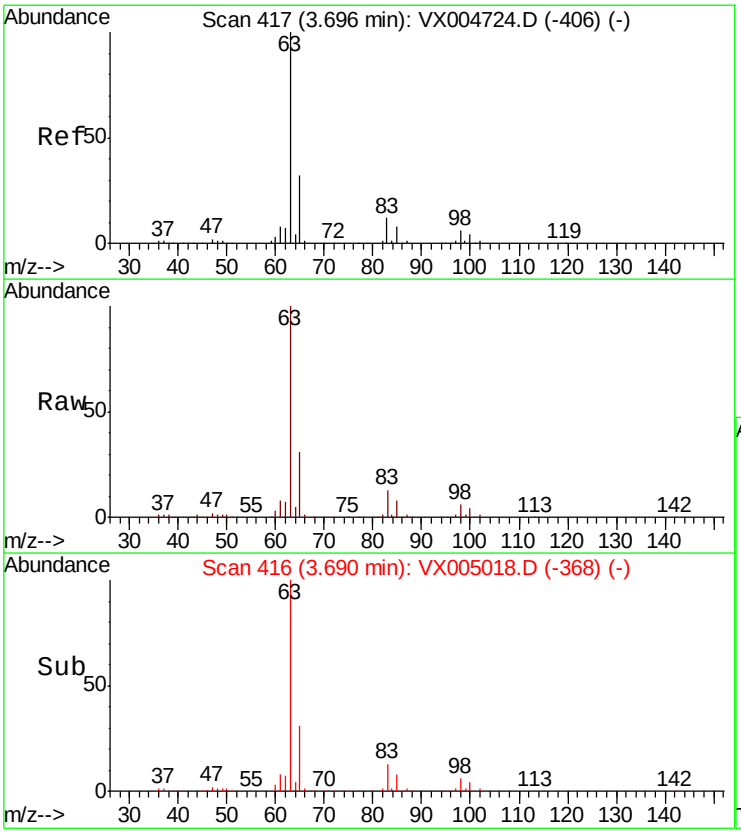
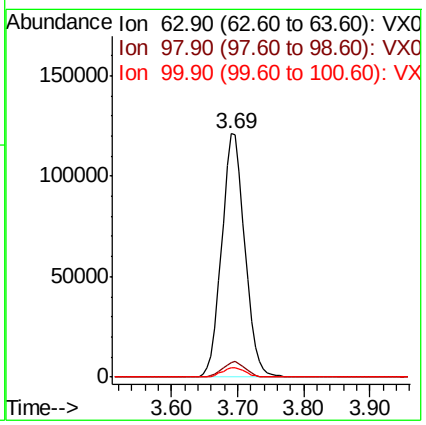
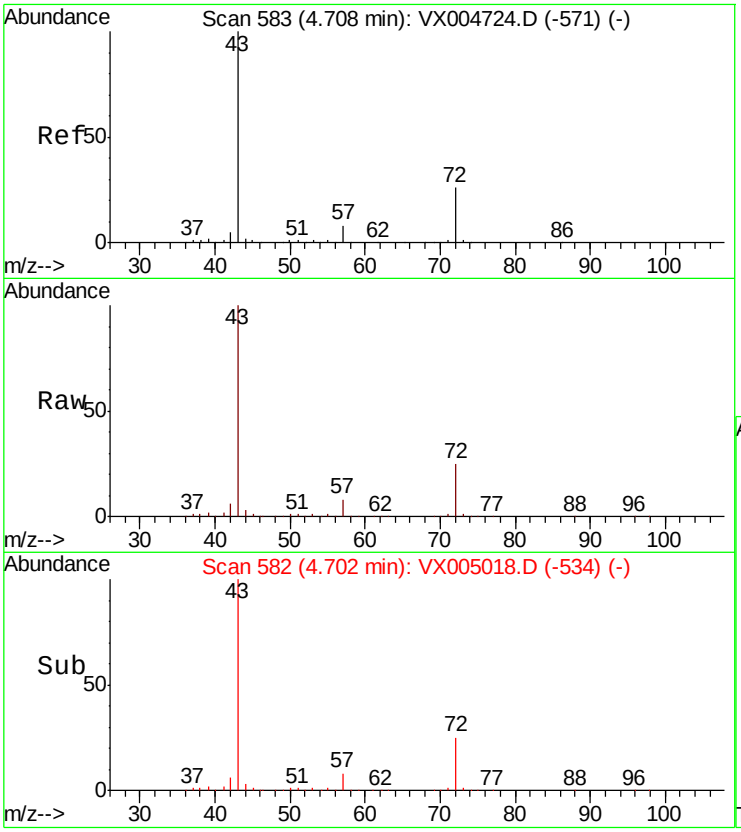



#24
1,1-Dichloroethane
Concen: 46.243 ug/l
RT: 3.69 min Scan# 416
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 63 Resp: 293560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 3.0 | 9.2 |
| 100 | 4.0 | 2.0 | 5.8 |

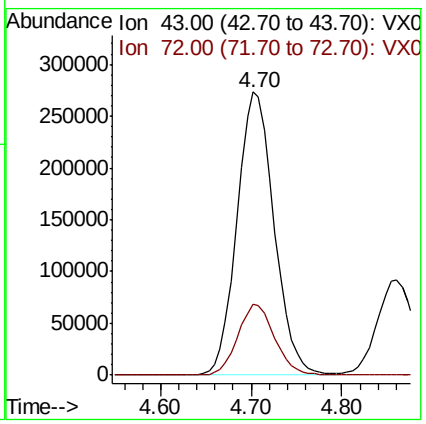





#25
2-Butanone
Concen: 235.374 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 773493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 20.8 | 31.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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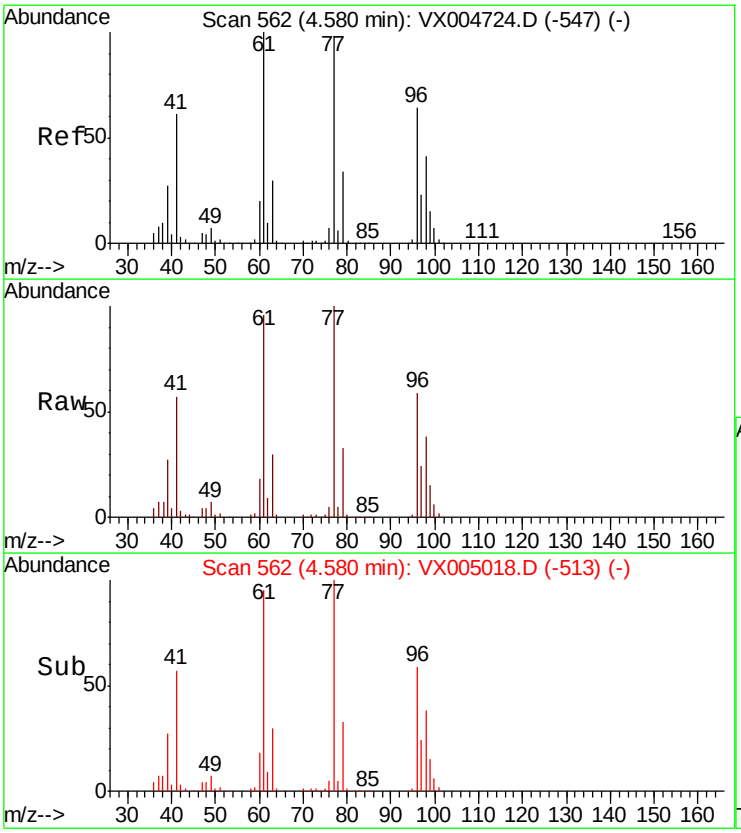
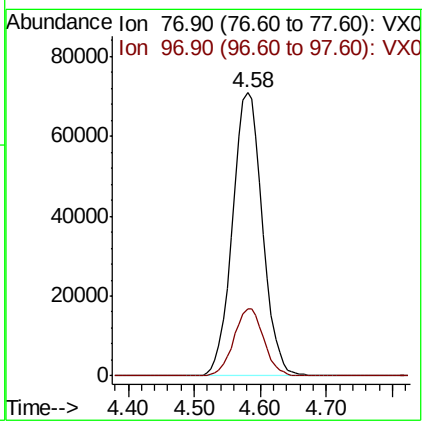
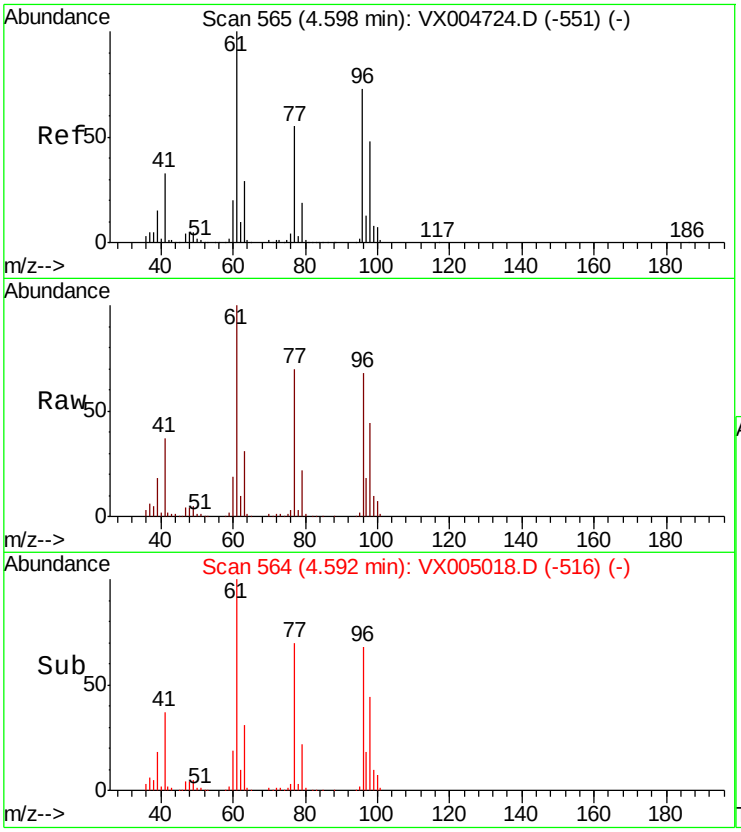



#26
2,2-Dichloropropane
Concen: 50.426 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 77 Resp: 222916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.8 | 12.6 | 37.8 |

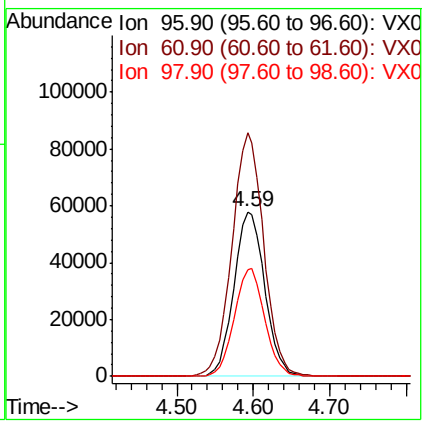





#27
cis-1,2-Dichloroethene
Concen: 45.690 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 96 Resp: 161842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.8 | 0.0 | 285.8 |
| 98 | 64.8 | 0.0 | 136.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
MMDadoda
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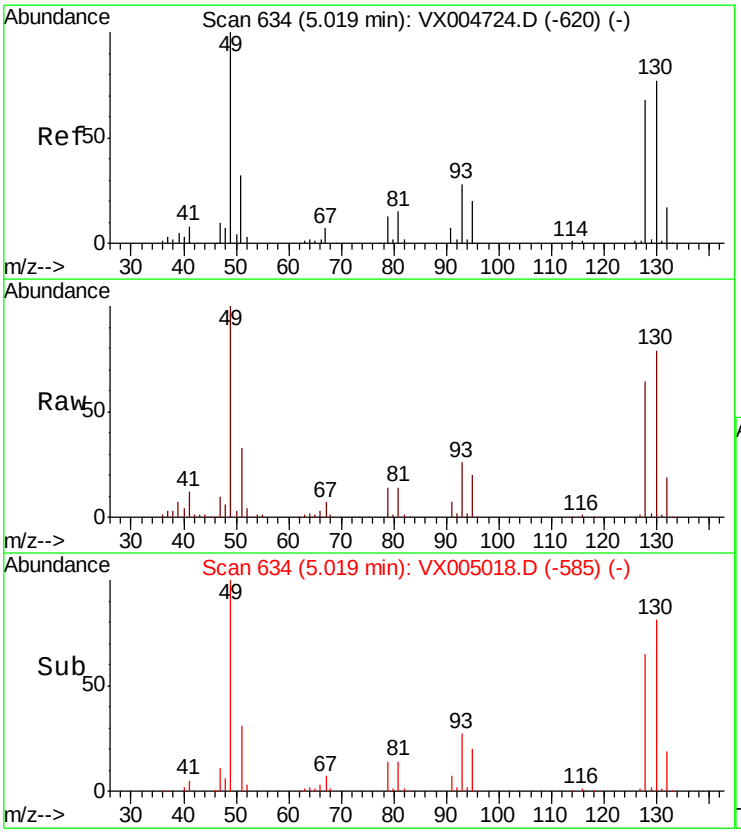
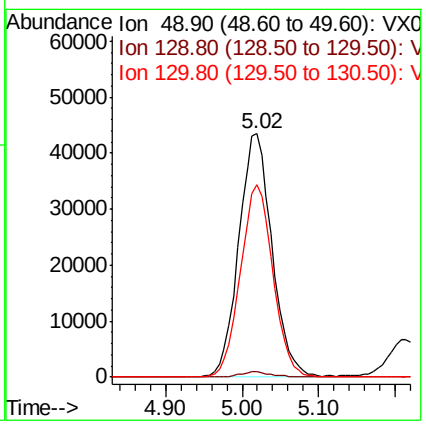
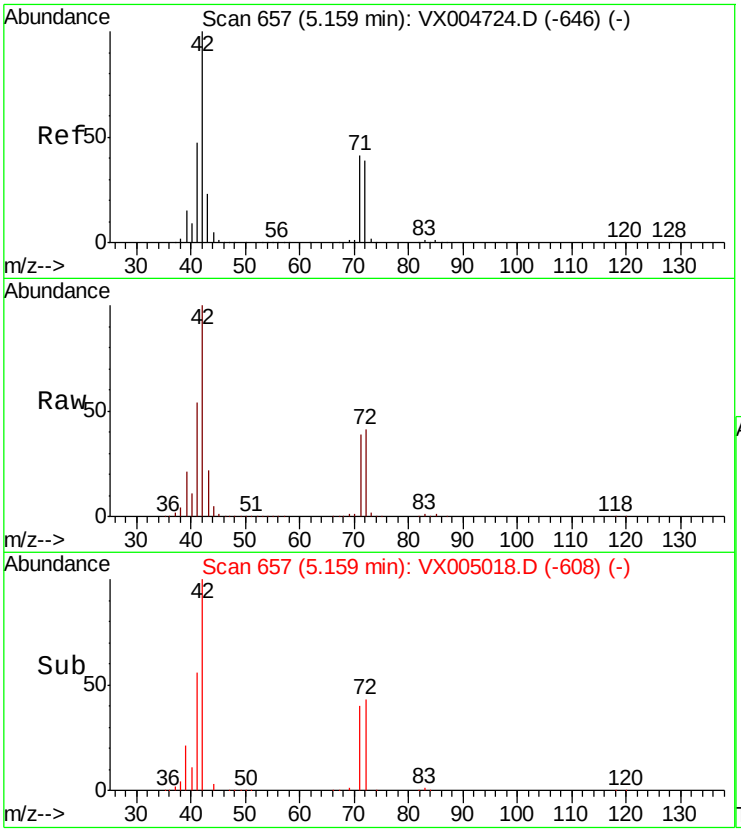



#28
Bromochloromethane
Concen: 43.948 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 49 Resp: 131381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.2 |
| 130 | 77.3 | 62.0 | 93.0 |

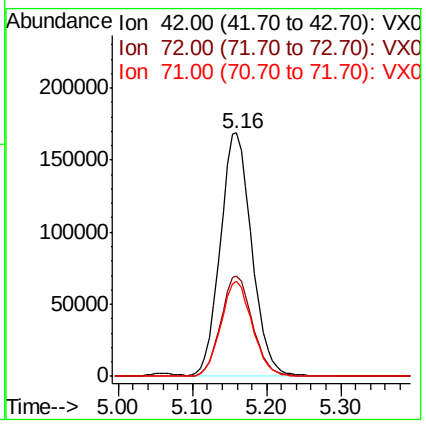





#29
Tetrahydrofuran
Concen: 243.088 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 42 Resp: 496511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.7 | 33.7 | 50.5 |
| 71 | 39.1 | 32.2 | 48.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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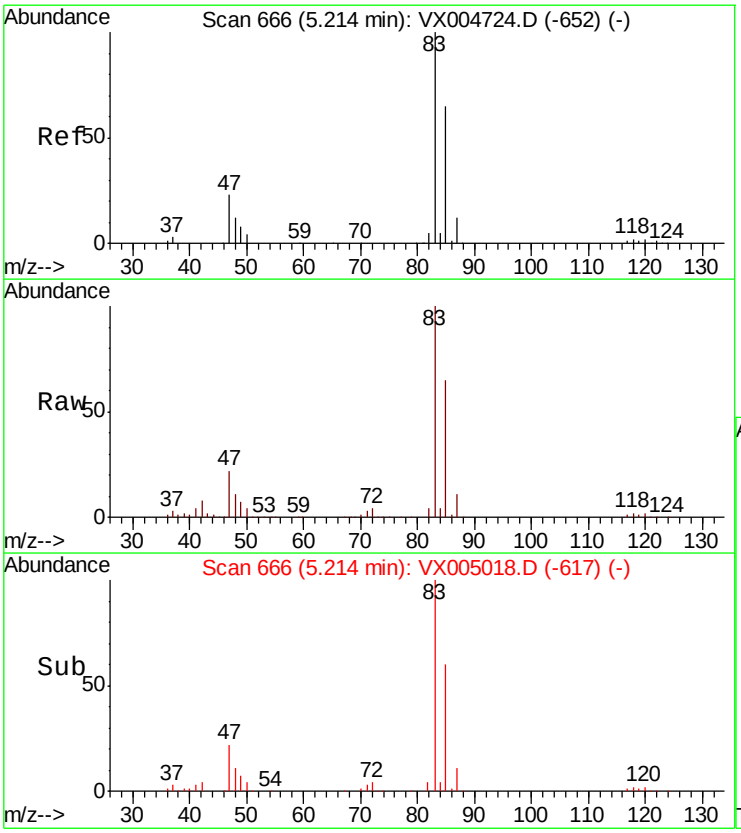
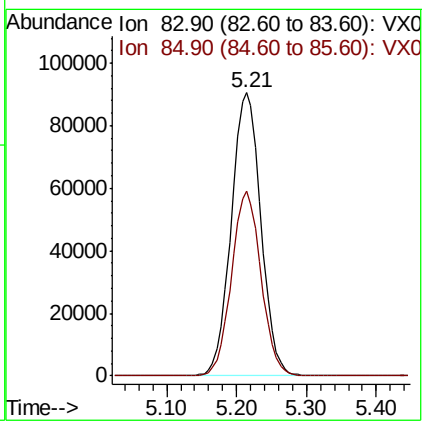
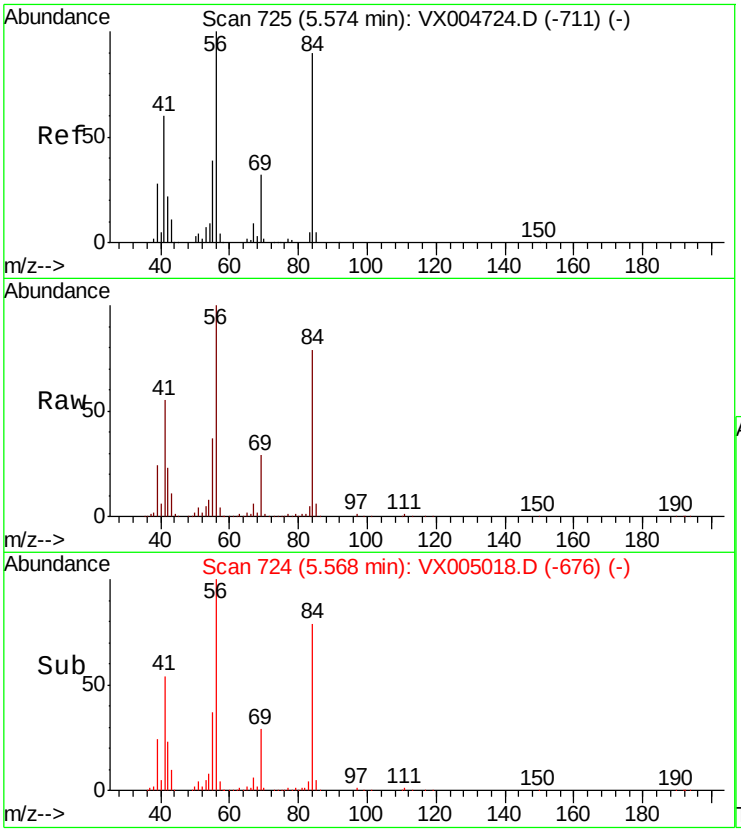



#30
Chloroform
Concen: 44.407 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 83 Resp: 266427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 52.4 | 78.6 |

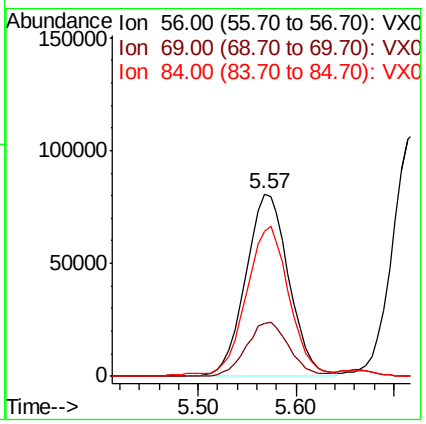





#31
Cyclohexane
Concen: 50.929 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 56 Resp: 247449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 25.9 | 38.9 |
| 84 | 77.9 | 71.9 | 107.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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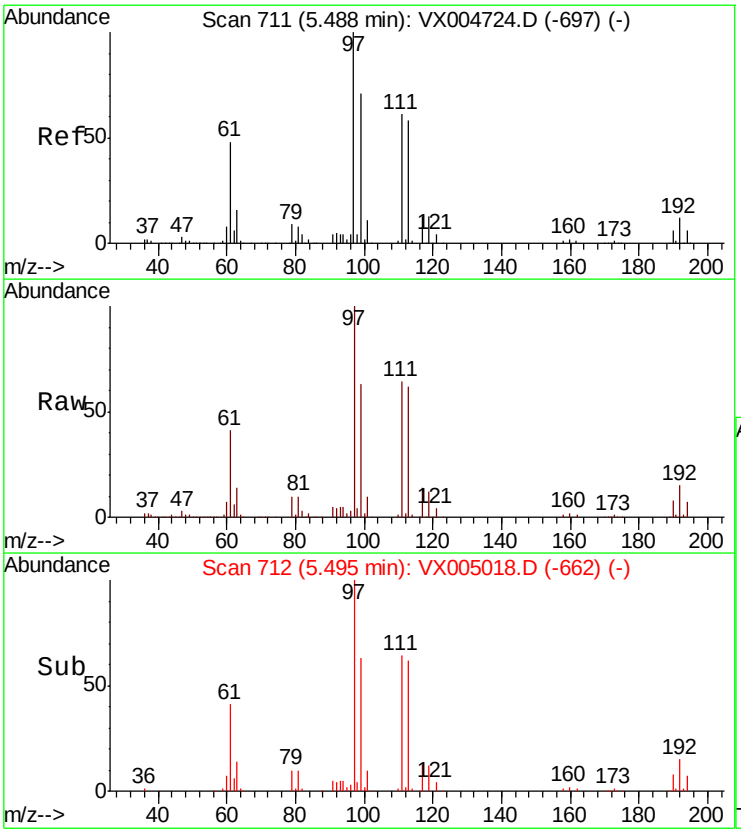
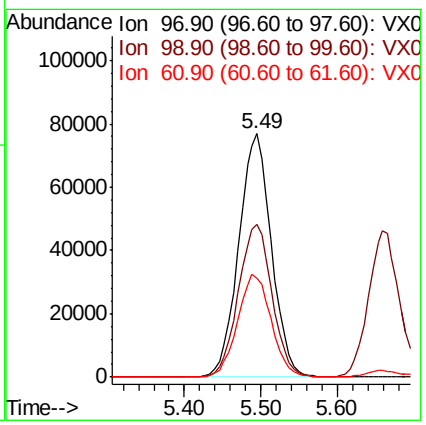
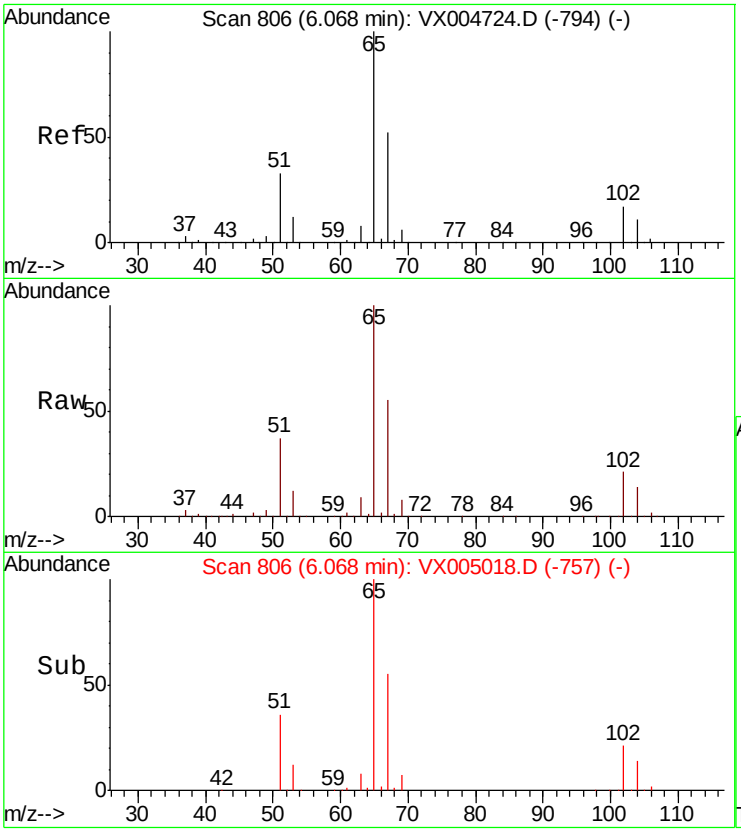



#32
1,1,1-Trichloroethane
Concen: 46.495 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 97 Resp: 227818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 54.6 | 82.0 |
| 61 | 43.5 | 37.5 | 56.3 |

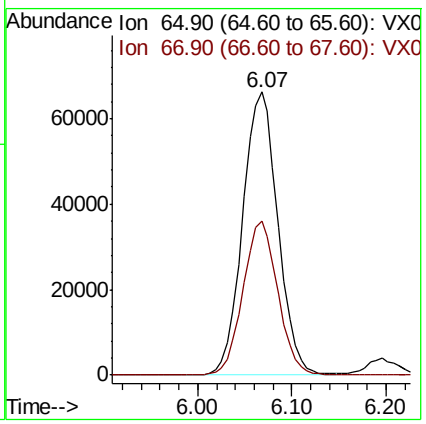





#33
1,2-Dichloroethane-d4
Concen: 45.462 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 65 Resp: 173606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.9 | 0.0 | 107.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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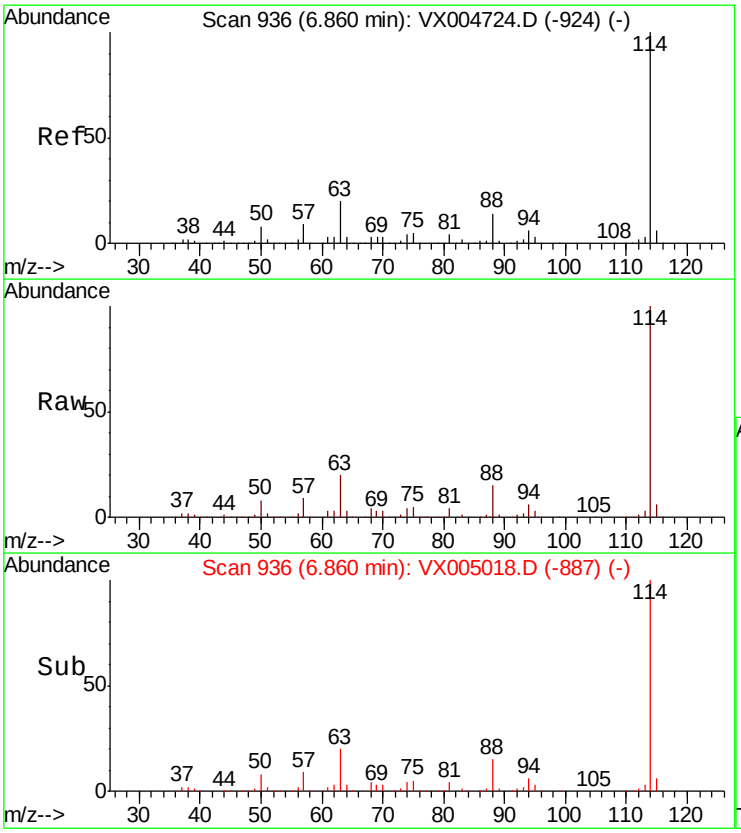
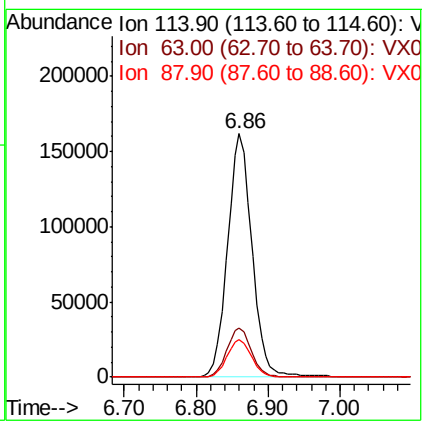
10/5/2018 3:24:51 PM

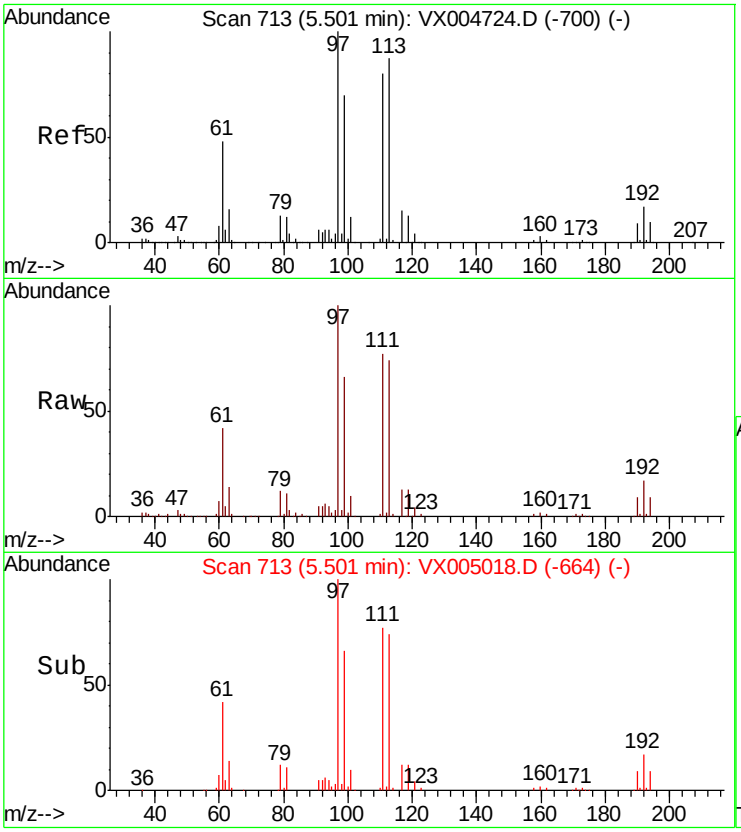



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:114 Resp: 383000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.1 | 0.0 | 39.8 |
| 88 | 15.4 | 0.0 | 27.0 |

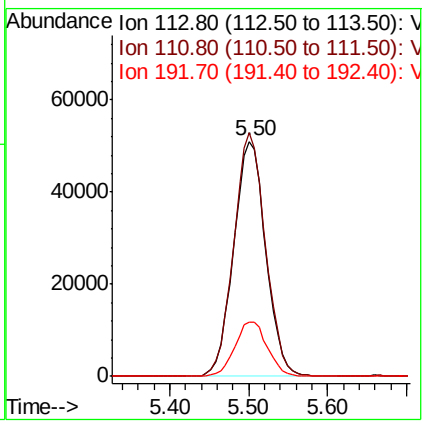





#35
Dibromofluoromethane
Concen: 44.439 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:113 Resp: 144249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 77.0 | 115.4 |
| 192 | 23.7 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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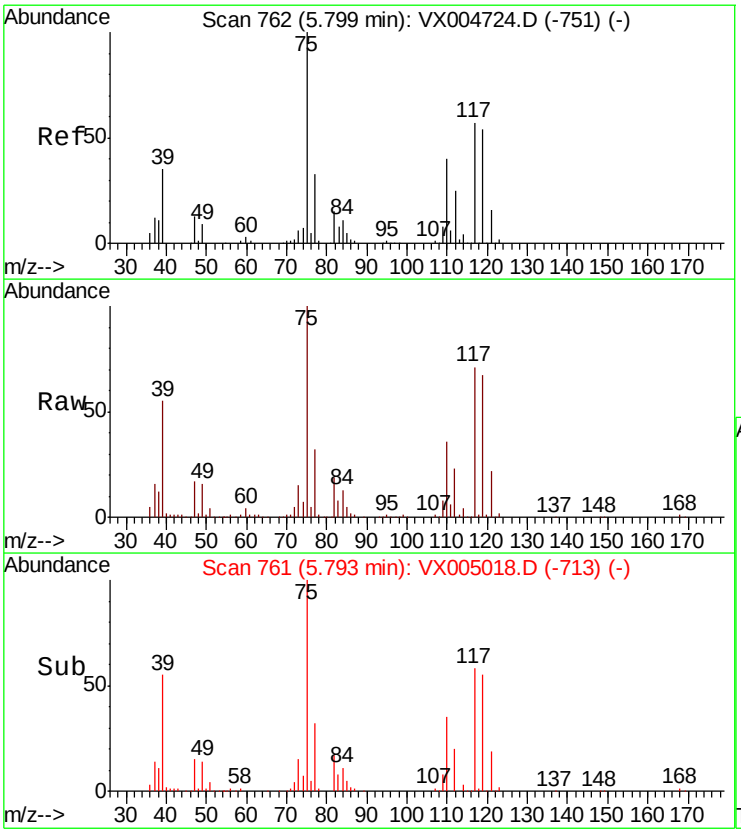
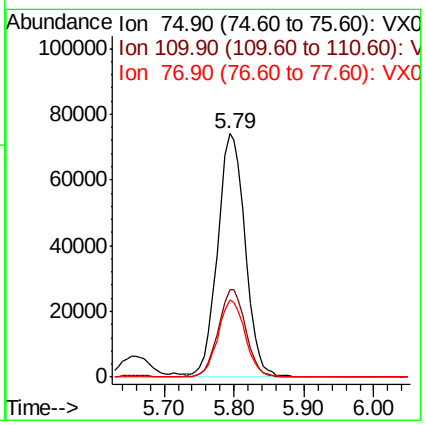
10/5/2018 3:24:51 PM

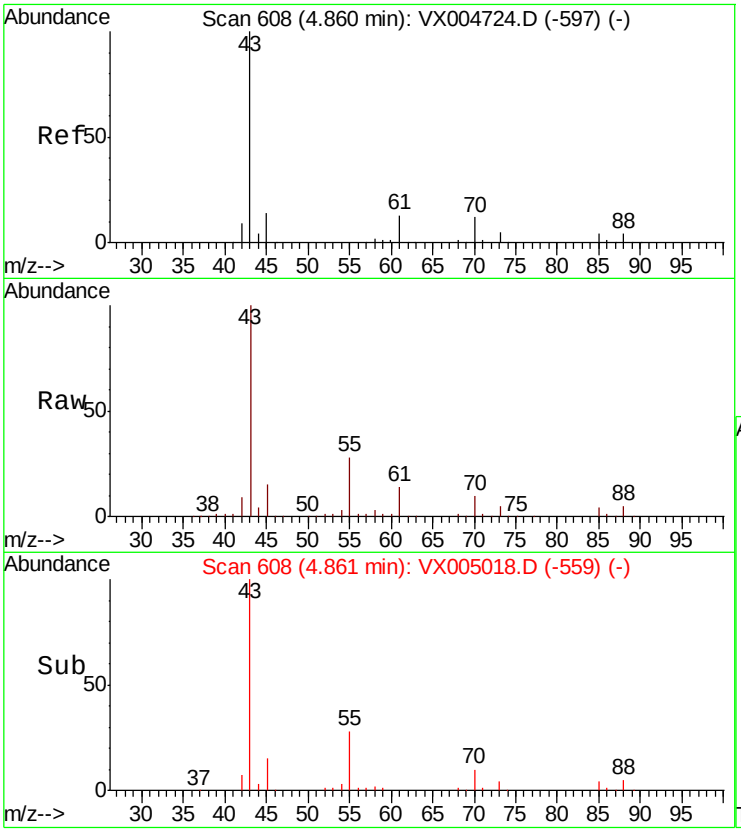



#36
1,1-Dichloropropene
Concen: 45.619 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 202034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.1 | 20.0 | 59.9 |
| 77 | 31.3 | 27.1 | 40.7 |

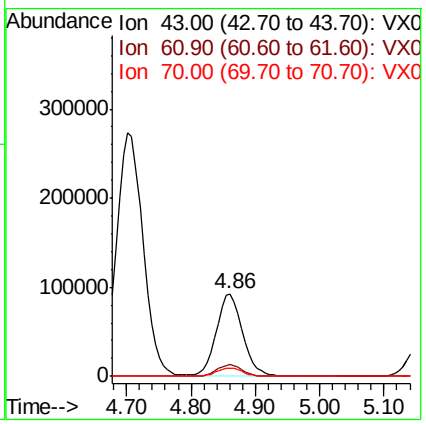





#37
Ethyl Acetate
Concen: 45.598 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 268057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.9 | 10.4 | 15.6 |
| 70 | 10.1 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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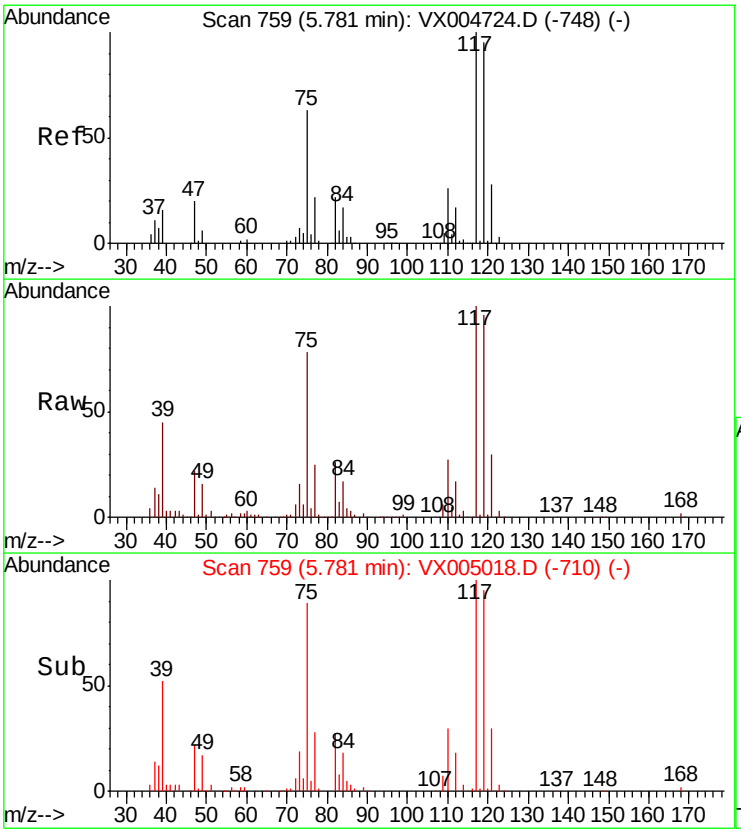
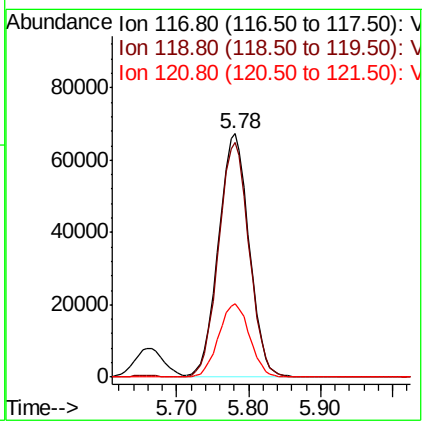
10/5/2018 3:24:51 PM

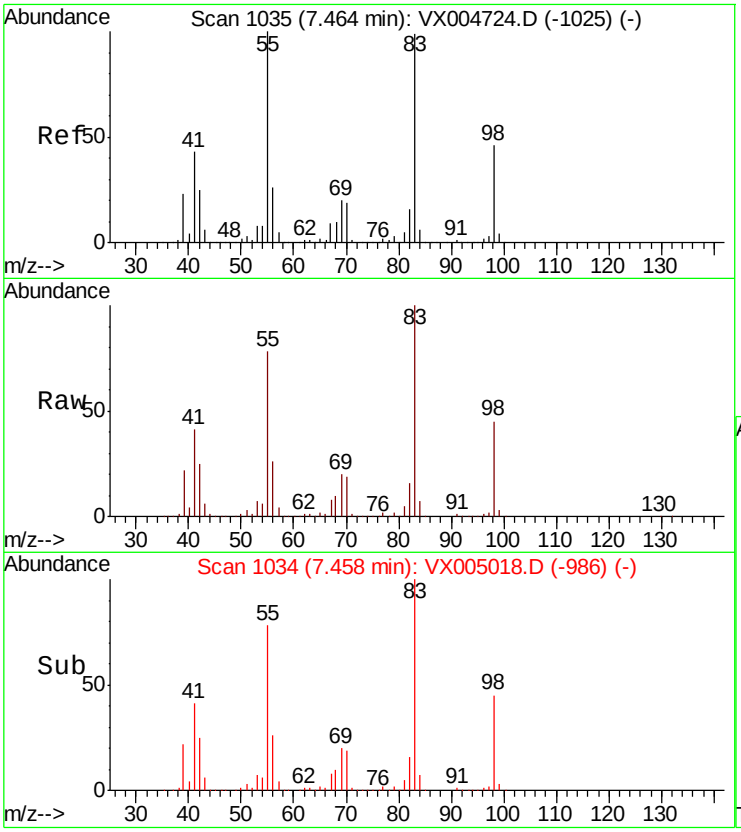



#38
Carbon Tetrachloride
Concen: 42.717 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:117 Resp: 198863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 75.2 | 112.8 |
| 121 | 30.3 | 22.5 | 33.7 |

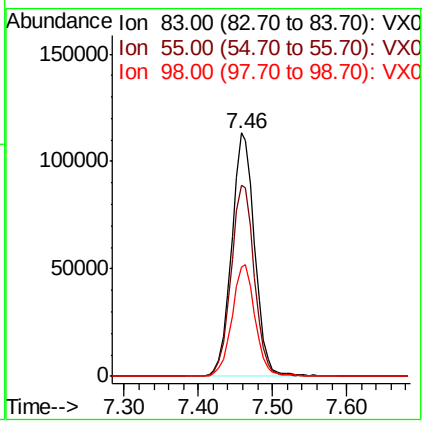





#39
Methylcyclohexane
Concen: 54.476 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 83 Resp: 246352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.4 | 81.1 | 121.7# |
| 98 | 44.7 | 37.3 | 55.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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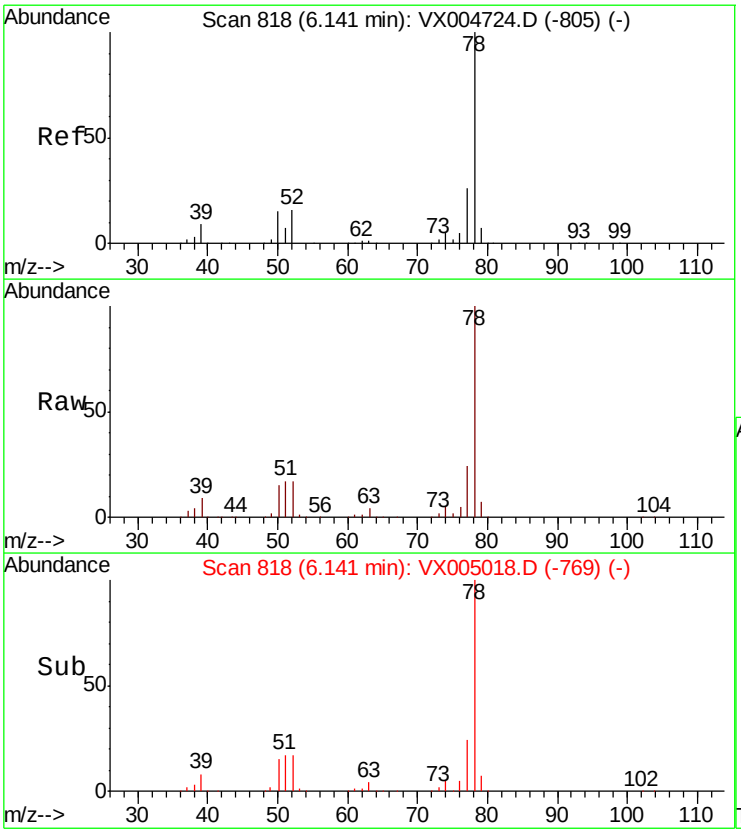
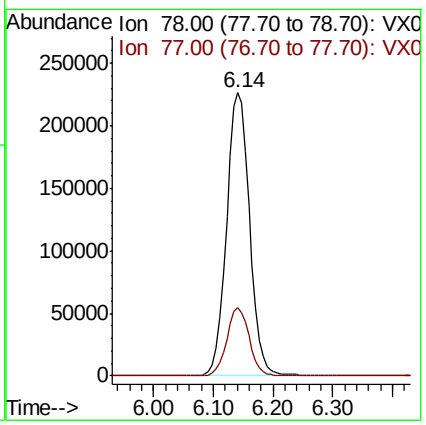
10/5/2018 3:24:51 PM

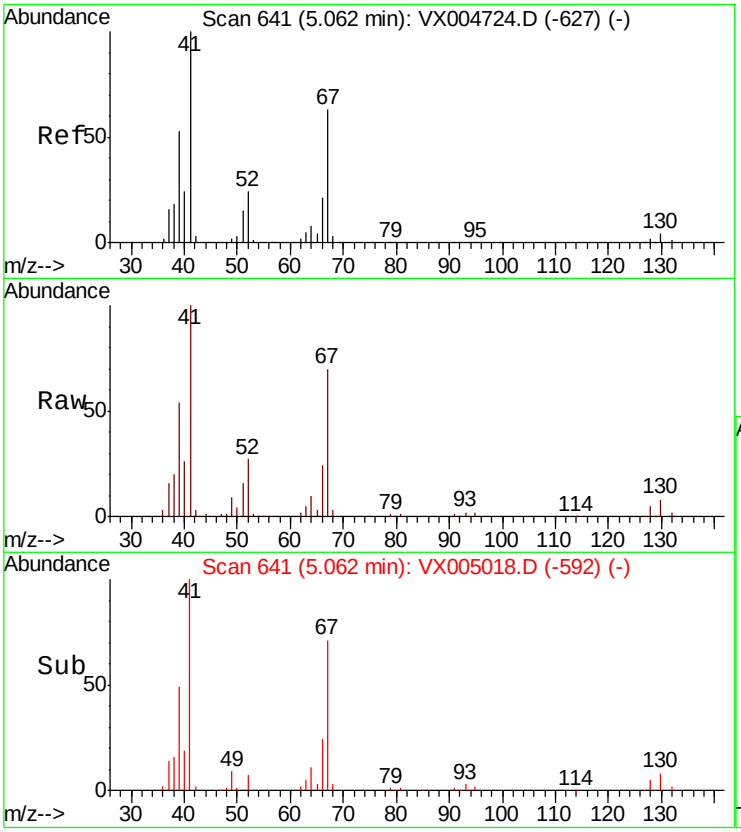



#40
Benzene
Concen: 43.771 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 78 Resp: 606878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 21.0 | 31.4 |

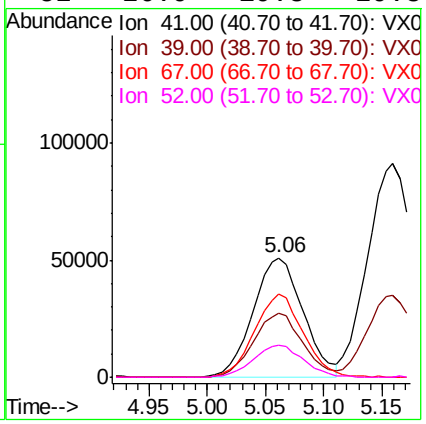





#41
Methacrylonitrile
Concen: 46.653 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 41 Resp: 152096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.6 | 42.5 | 63.7 |
| 67 | 68.4 | 53.0 | 79.6 |
| 52 | 26.9 | 19.8 | 29.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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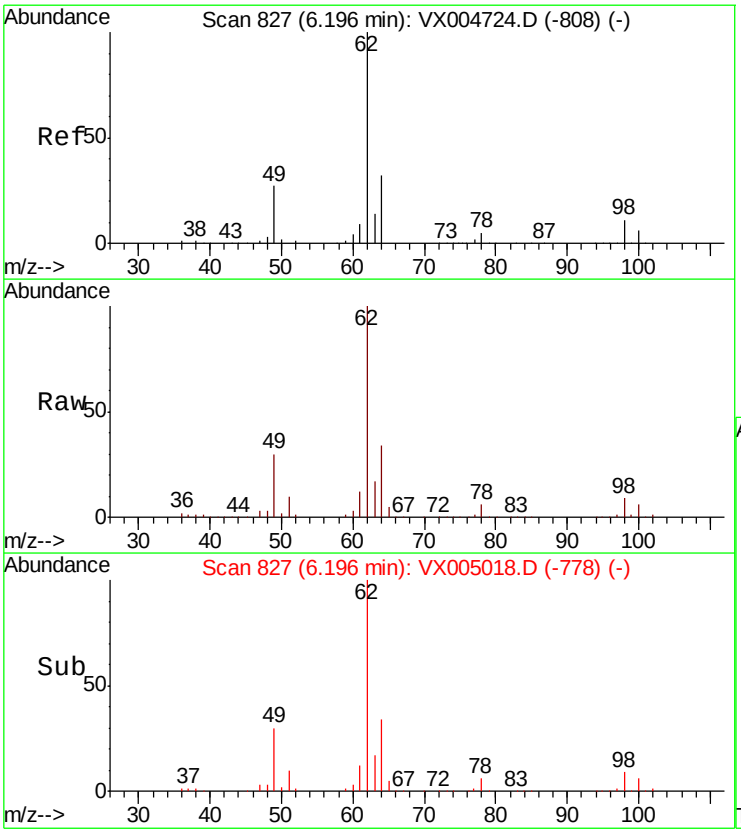
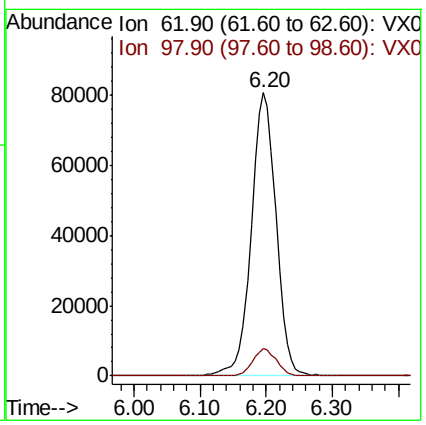
10/5/2018 3:24:51 PM

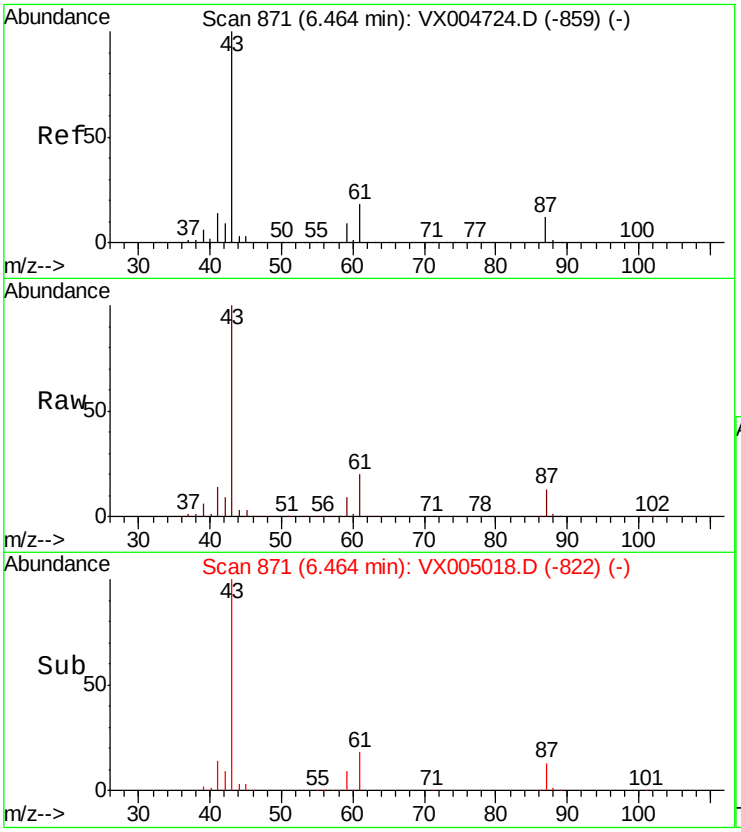



#42
1,2-Dichloroethane
Concen: 42.938 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 62 Resp: 210454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 20.2 |

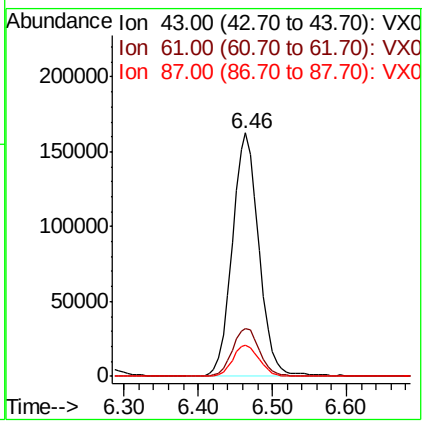





#43
Isopropyl Acetate
Concen: 47.665 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 404438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.3 | 14.2 | 21.4 |
| 87 | 13.0 | 9.3 | 13.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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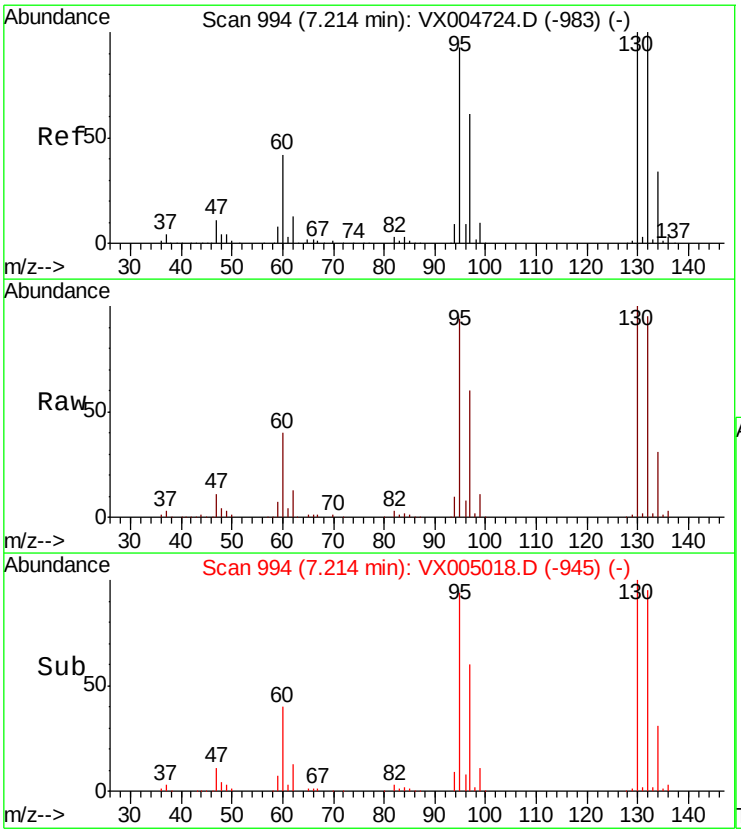
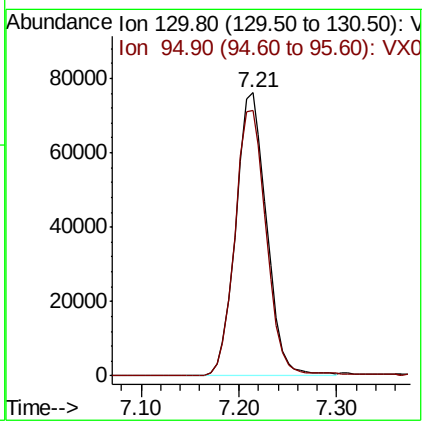
10/5/2018 3:24:51 PM

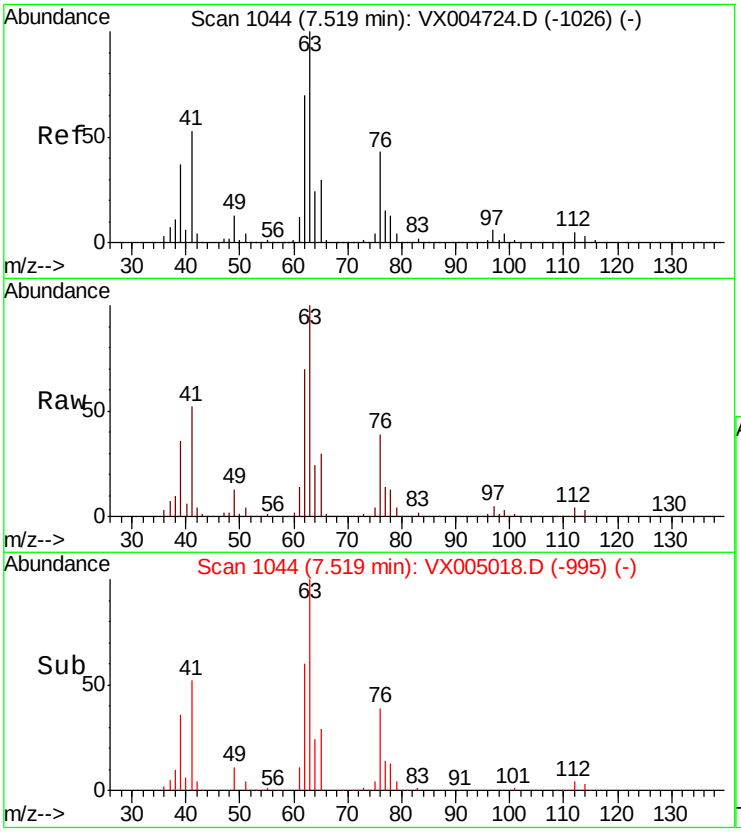



#44
Trichloroethene
Concen: 48.752 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:130 Resp: 166169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.9 | 0.0 | 186.8 |

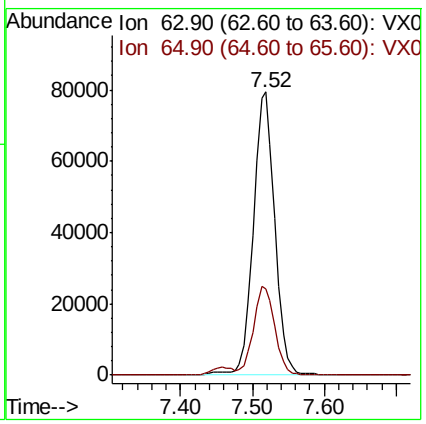





#45
1,2-Dichloropropane
Concen: 48.512 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 63 Resp: 164945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.2 | 23.9 | 35.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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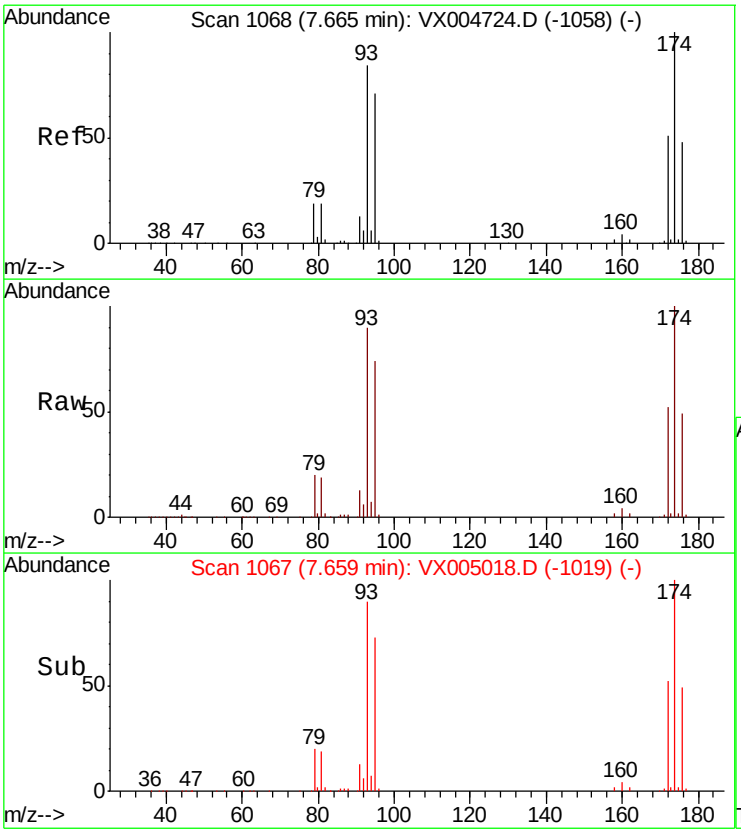
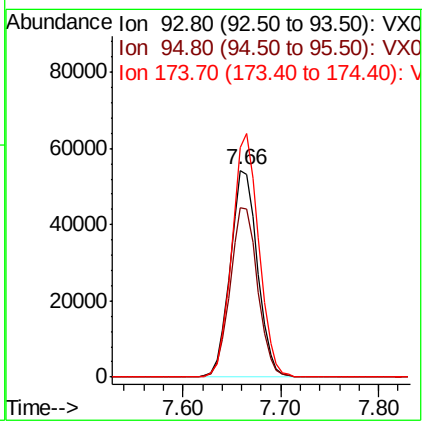
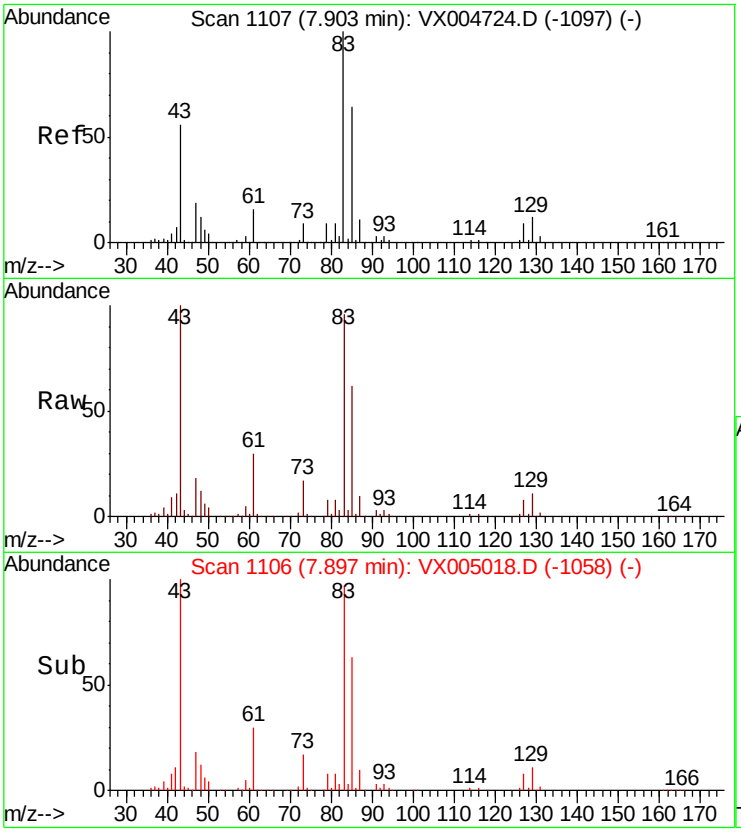



#46
Dibromomethane
Concen: 49.082 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 93 Resp: 104881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 66.7 | 100.1 |
| 174 | 115.9 | 92.7 | 139.1 |

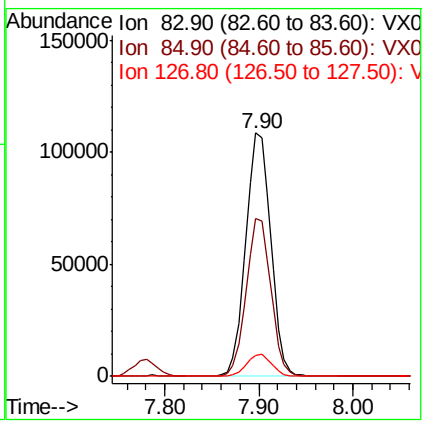





#47
Bromodichloromethane
Concen: 50.292 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 83 Resp: 201204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.2 | 76.8 |
| 127 | 8.6 | 7.0 | 10.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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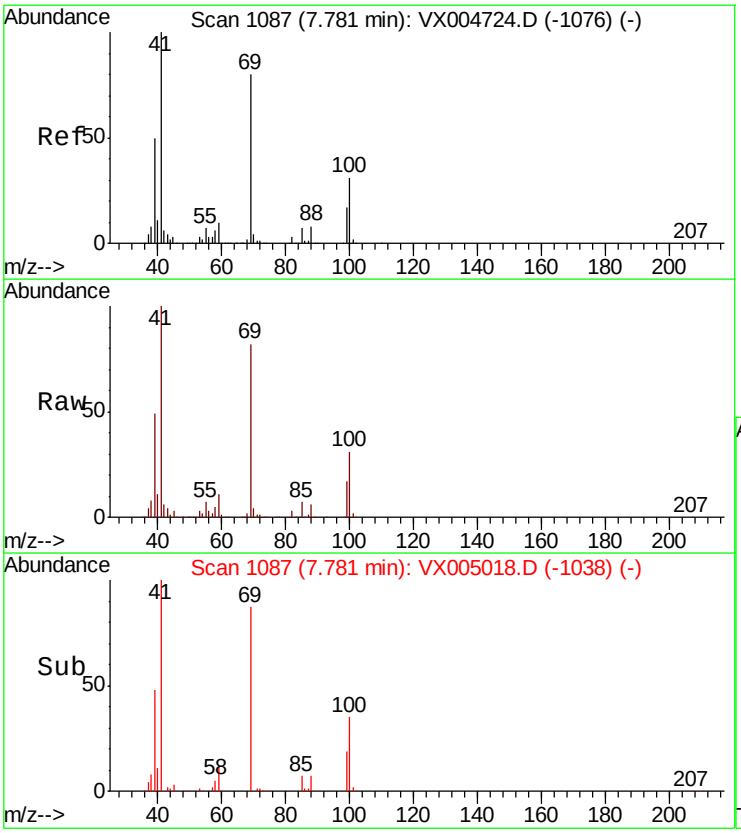
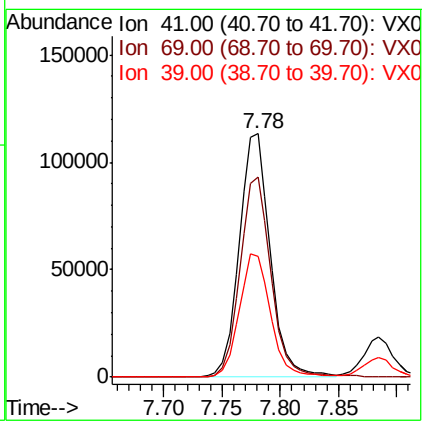
10/5/2018 3:24:51 PM

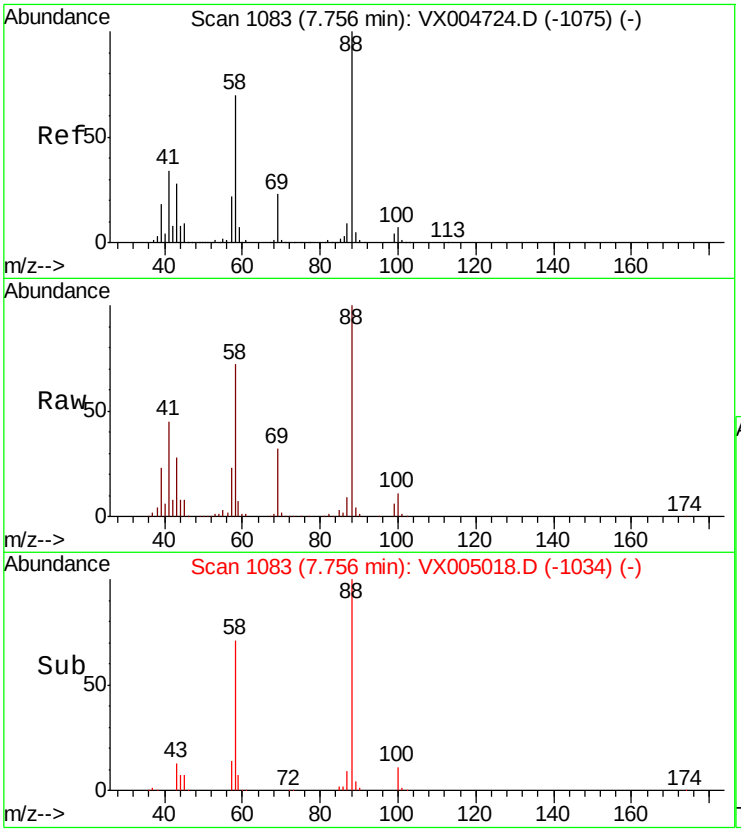



#48
Methyl methacrylate
Concen: 54.699 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 41 Resp: 210659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 82.5 | 63.8 | 95.6 |
| 39 | 50.8 | 40.7 | 61.1 |

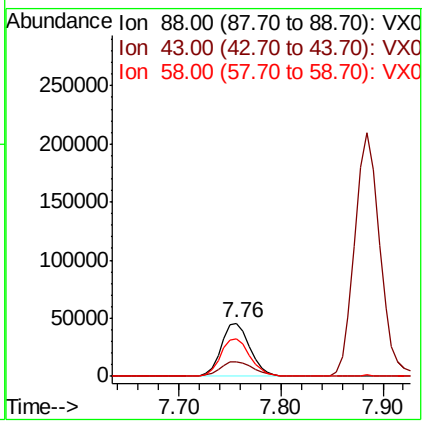





#49
1,4-Dioxane
Concen: 929.962 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 88 Resp: 88978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.4 | 25.1 | 37.7 |
| 58 | 74.0 | 56.2 | 84.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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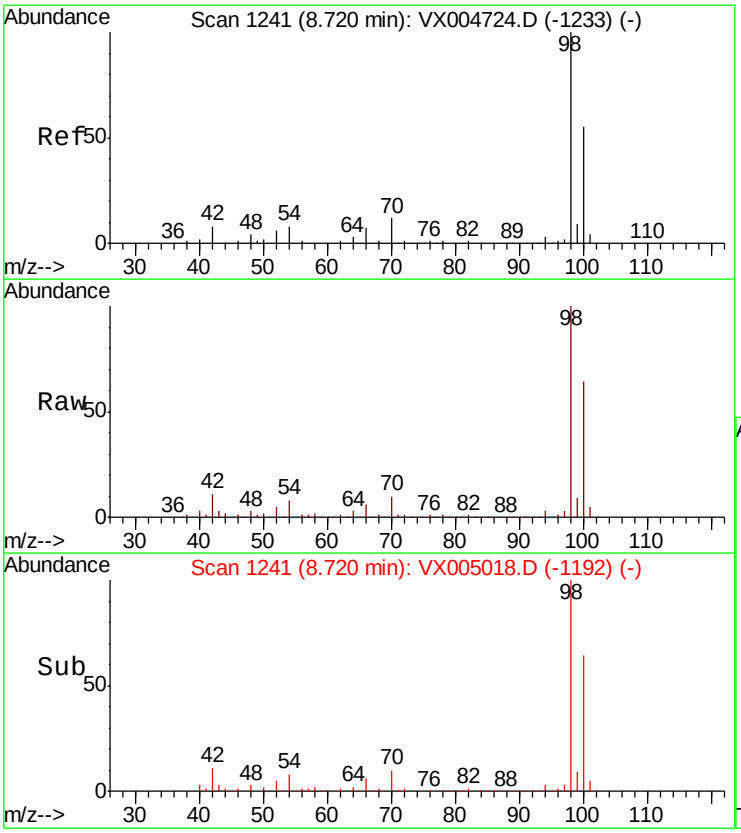
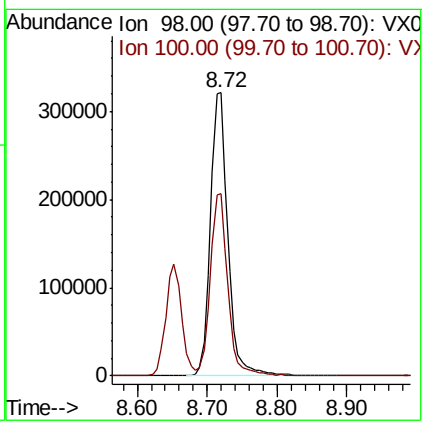
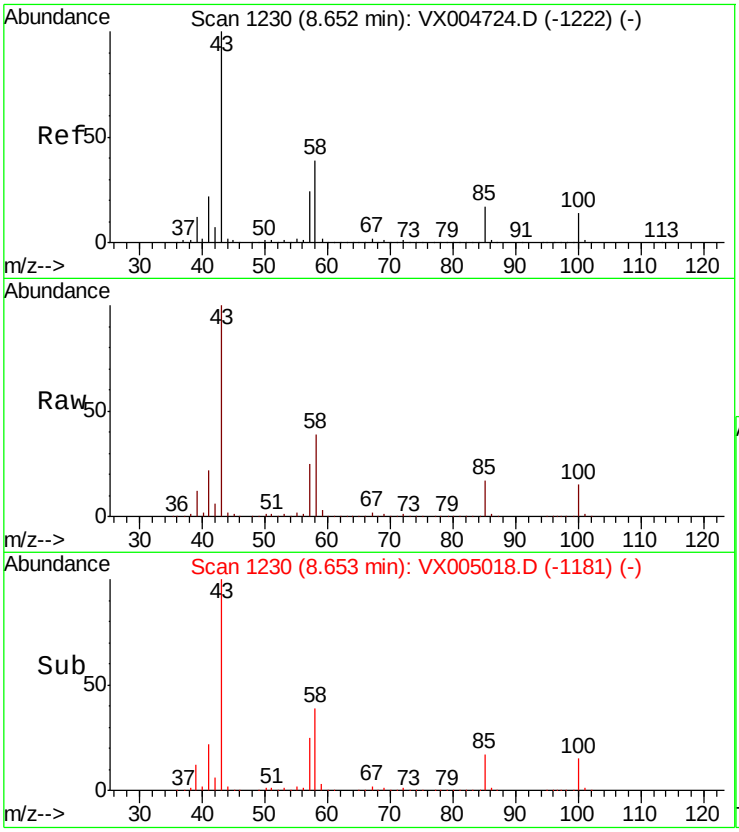



#50
Toluene-d8
Concen: 51.430 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 98 Resp: 554995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.9 | 77.9 |

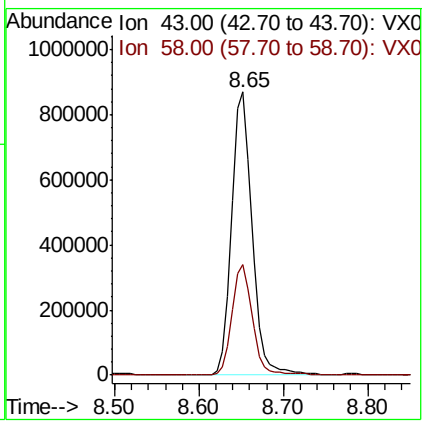





#51
4-Methyl-2-Pentanone
Concen: 268.400 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 1433936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.2 | 30.5 | 45.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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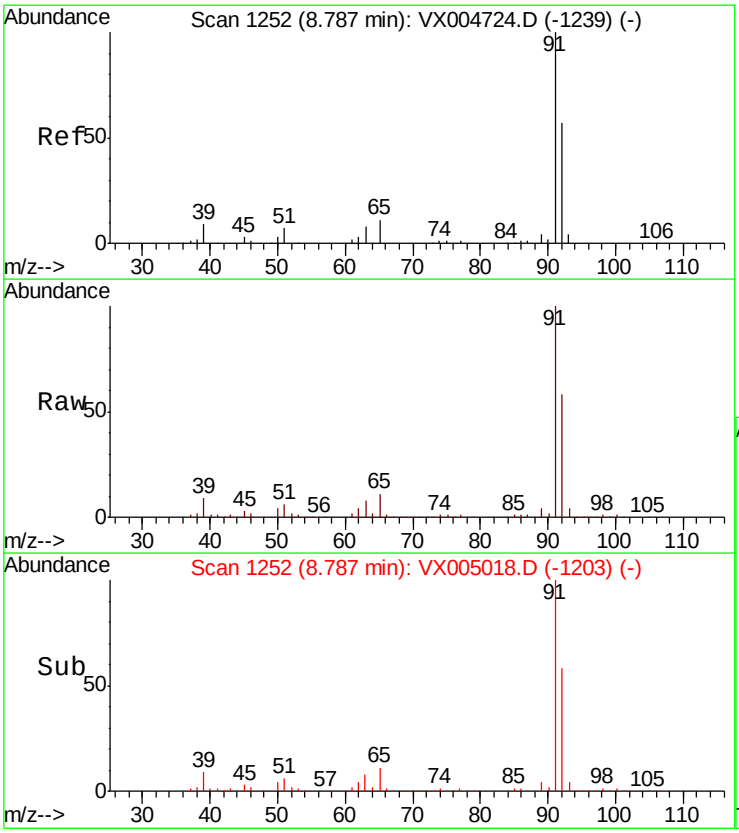
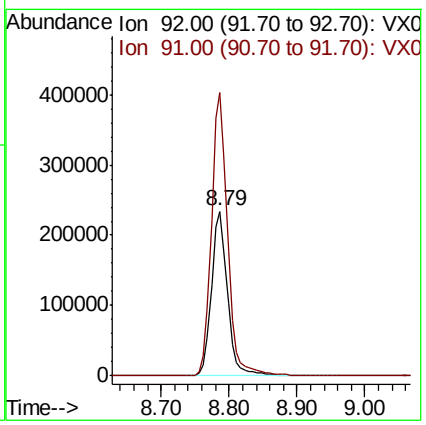
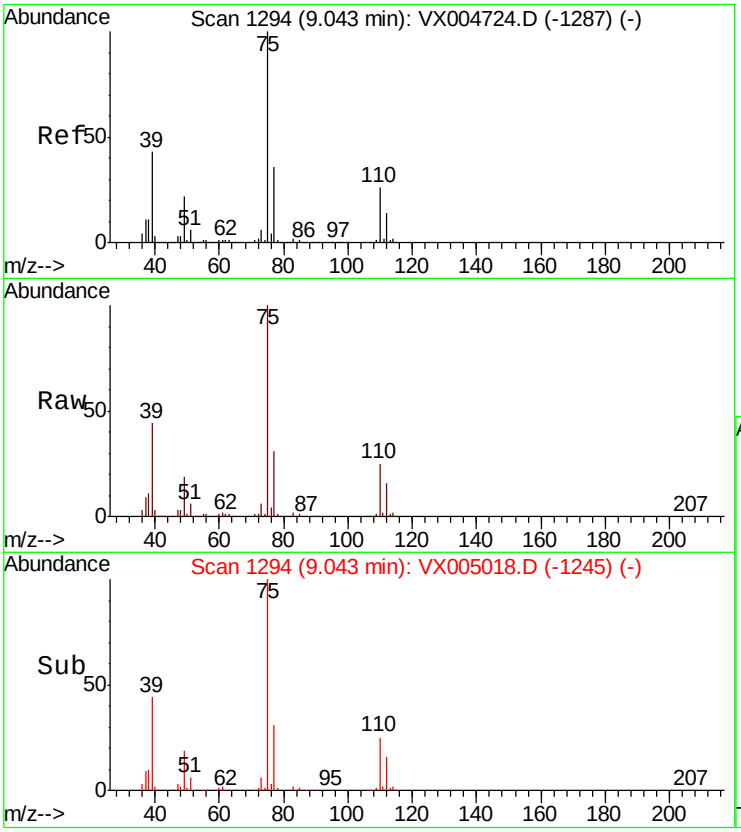



#52
Toluene
Concen: 50.439 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 92 Resp: 384269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.9 | 136.7 | 205.1 |

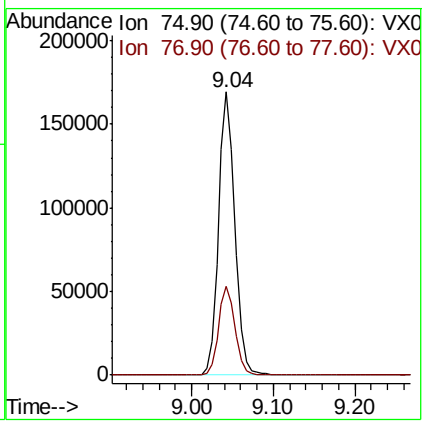





#53
t-1,3-Dichloropropene
Concen: 52.134 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 235697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 28.9 | 43.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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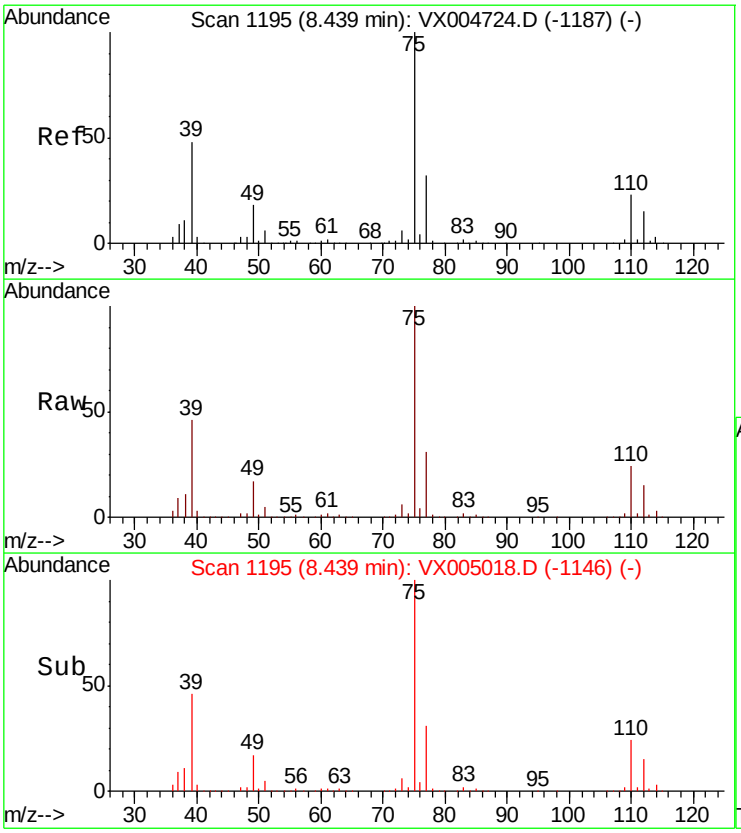
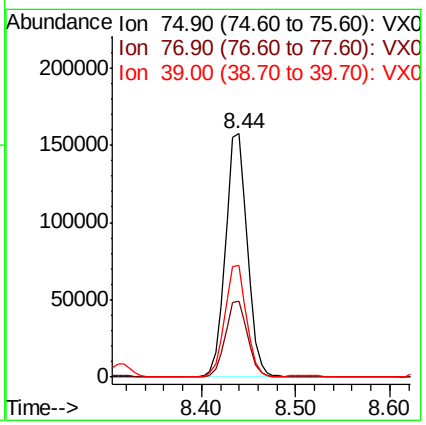
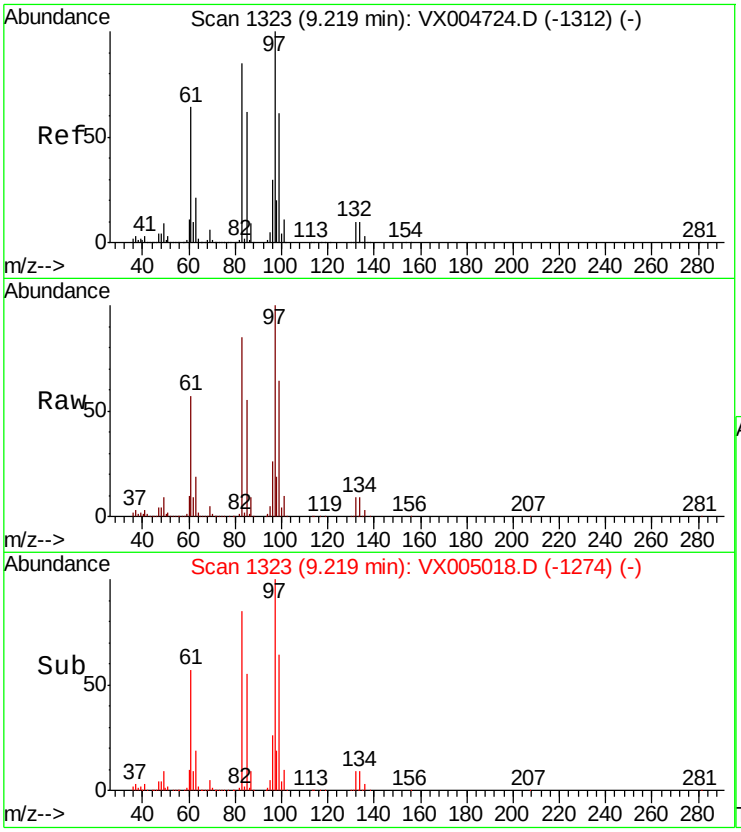



#54
cis-1,3-Dichloropropene
Concen: 53.577 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 253708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.7 | 38.5 |
| 39 | 45.7 | 38.3 | 57.5 |

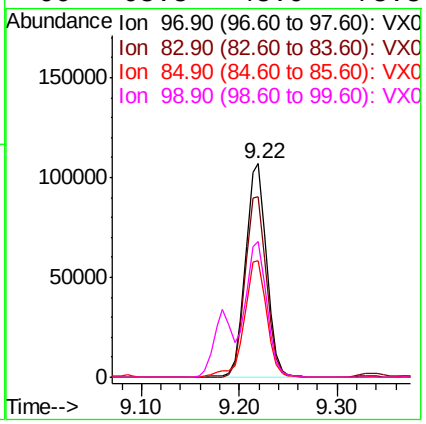





#55
1,1,2-Trichloroethane
Concen: 47.929 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 97 Resp: 159947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.8 | 68.2 | 102.2 |
| 85 | 54.6 | 49.9 | 74.9 |
| 99 | 63.8 | 48.9 | 73.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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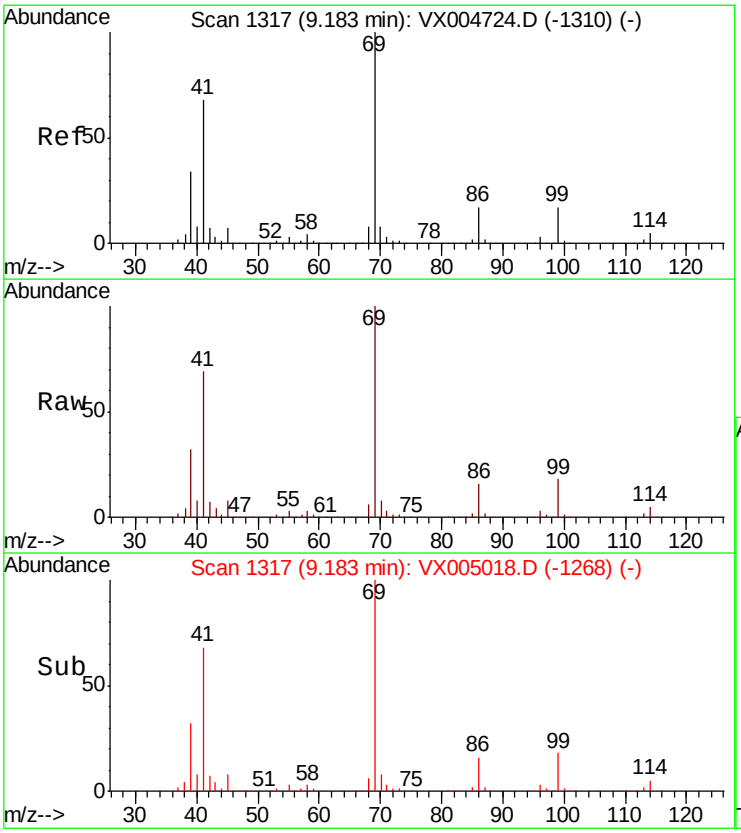
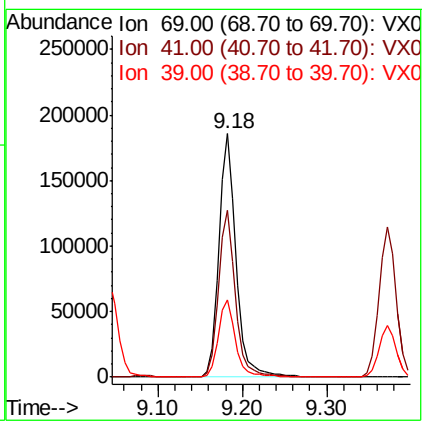
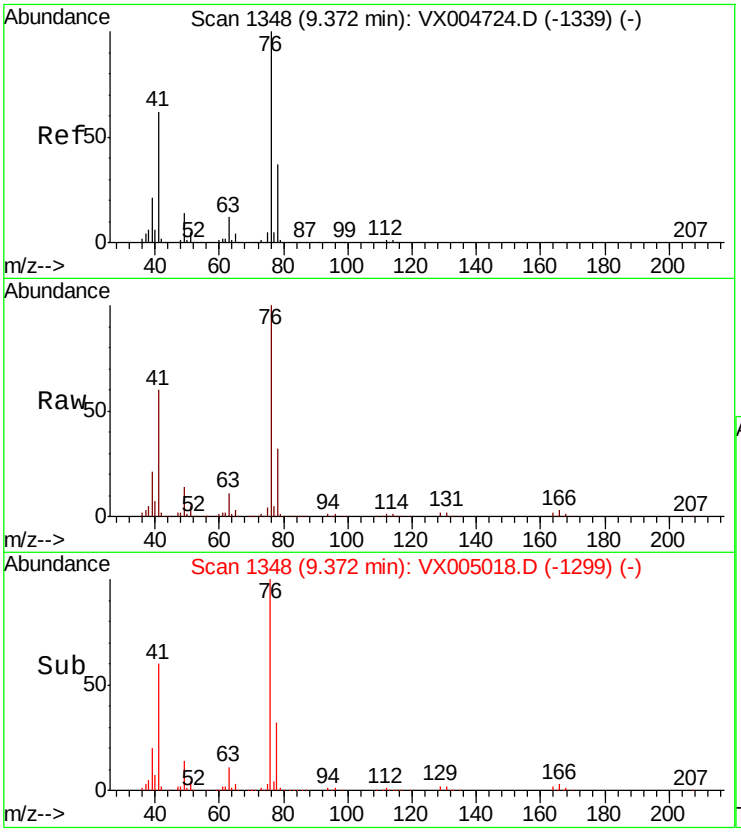



#56
Ethyl methacrylate
Concen: 48.218 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 69 Resp: 260530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.9 | 56.9 | 85.3 |
| 39 | 31.9 | 28.4 | 42.6 |






#57
1,3-Dichloropropane
Concen: 48.384 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 76 Resp: 268730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 26.6 | 40.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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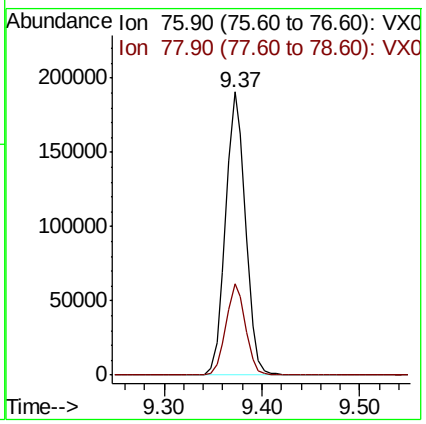
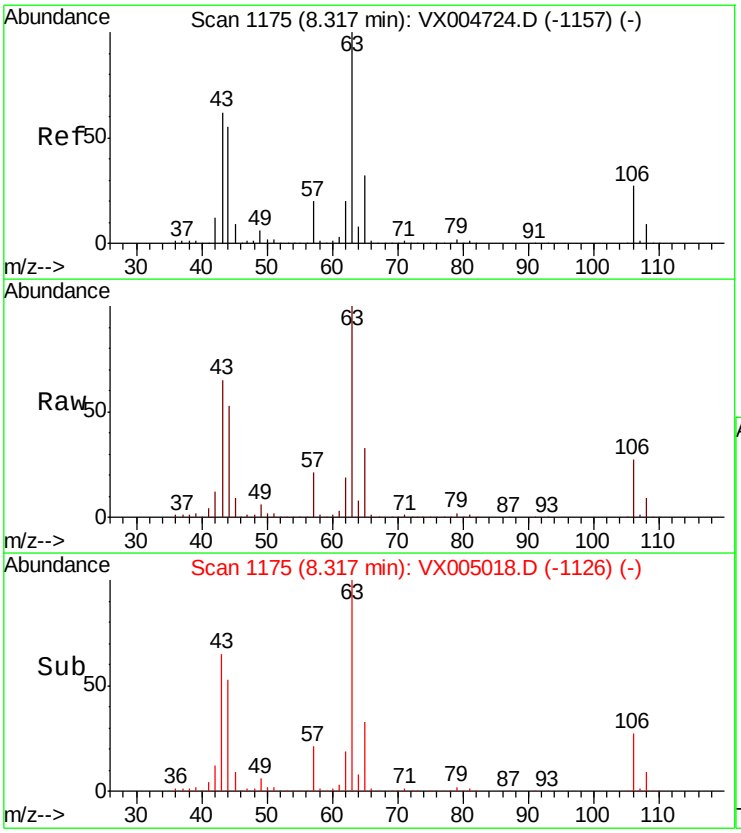
10/5/2018 3:24:51 PM

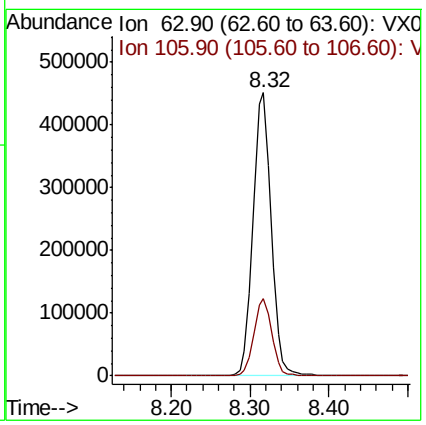


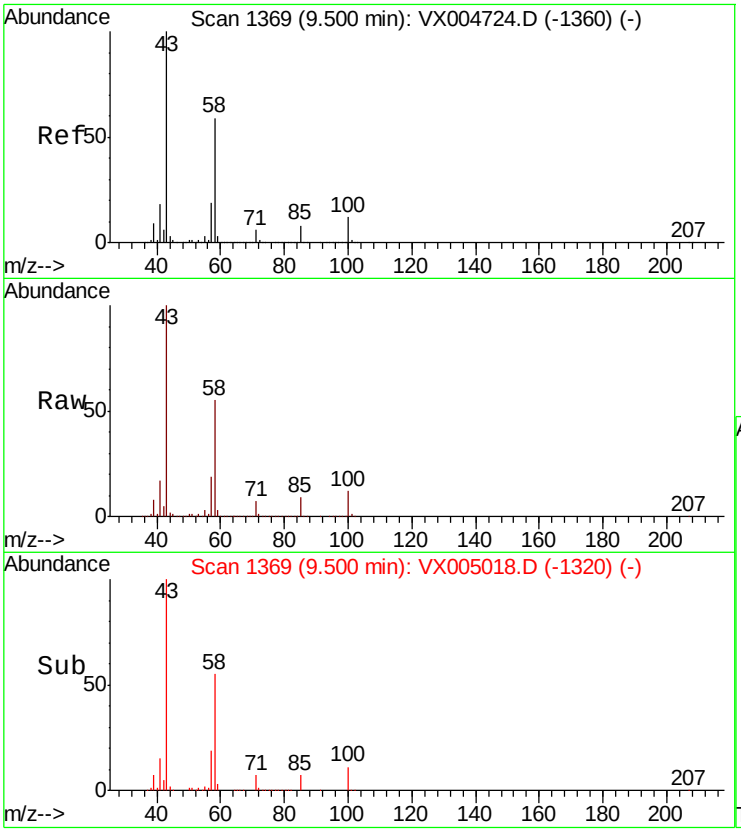




#58
2-Chloroethyl Vinyl ether
Concen: 253.028 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 63 Resp: 728098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.1 | 21.0 | 31.6 |

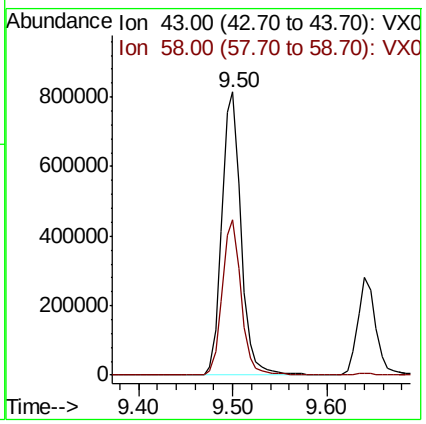





#59
2-Hexanone
Concen: 259.248 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 1154181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.2 | 28.4 | 85.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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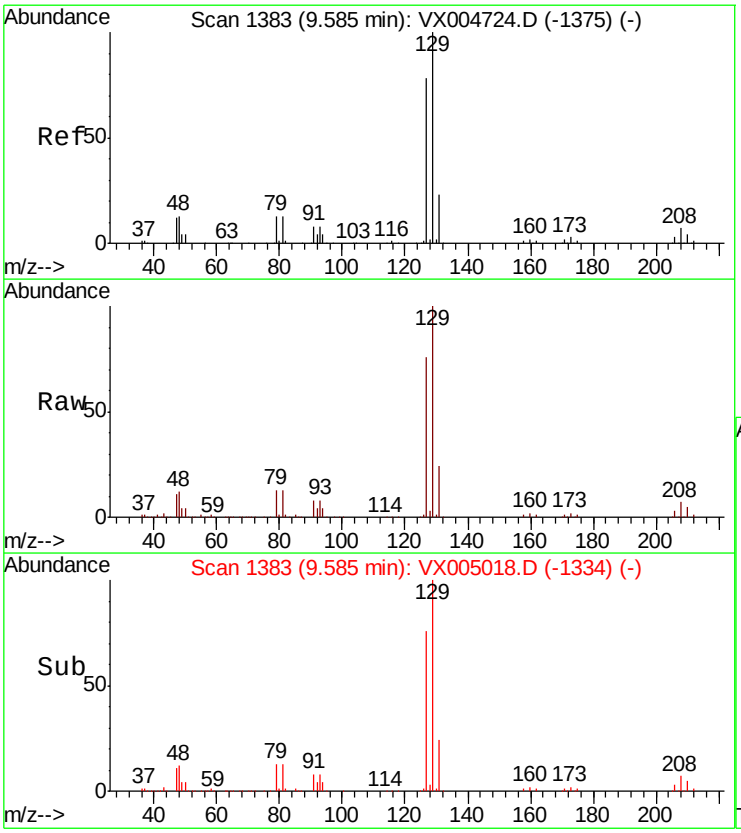
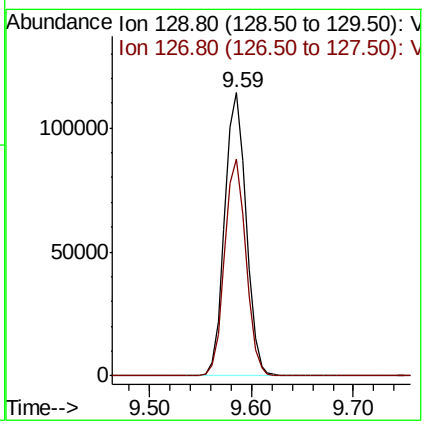
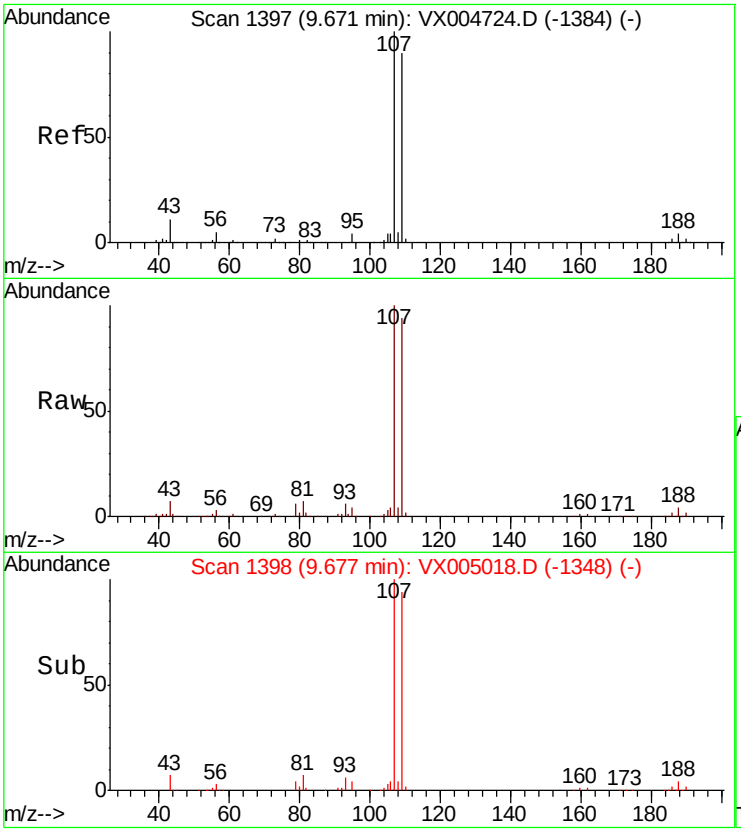



#60
Dibromochloromethane
Concen: 49.682 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:129 Resp: 165811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.1 | 39.1 | 117.2 |






#61
1,2-Dibromoethane
Concen: 46.572 ug/l
RT: 9.68 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:107 Resp: 166445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.3 | 72.1 | 108.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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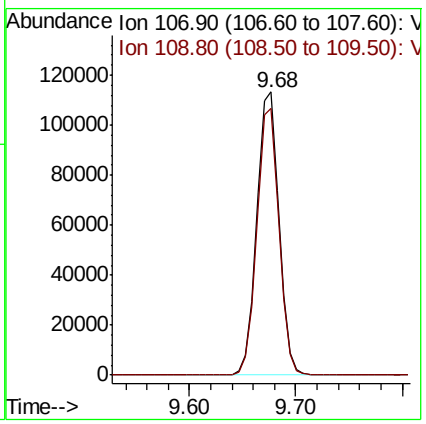
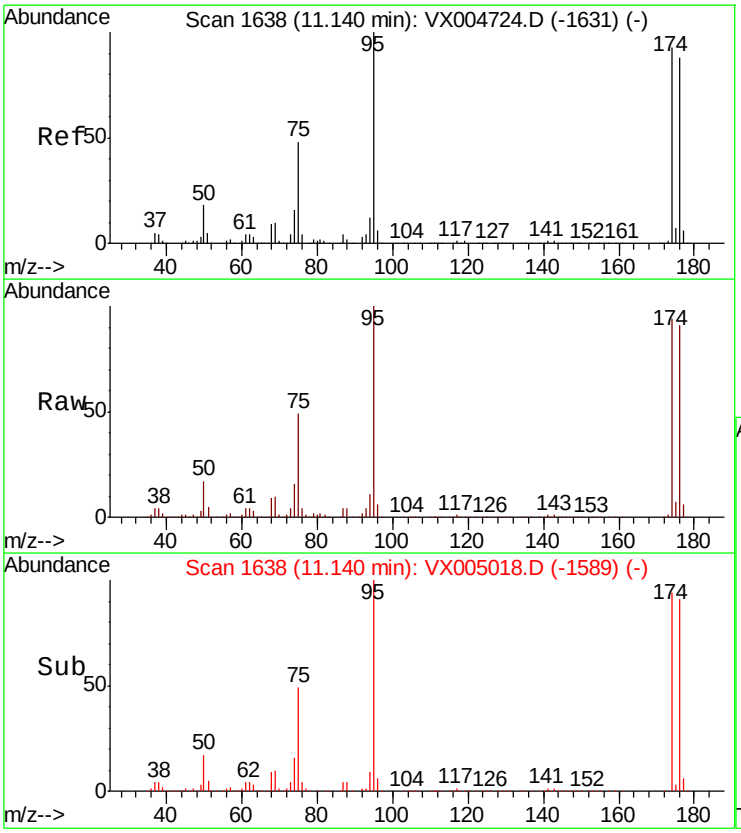
10/5/2018 3:24:51 PM

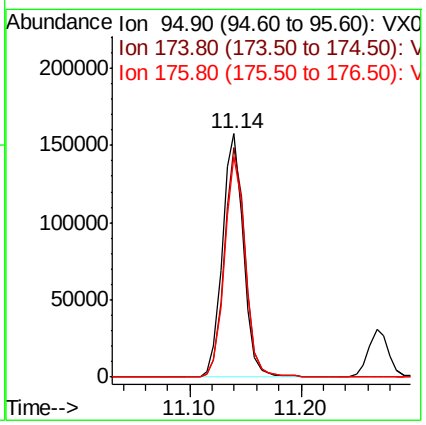


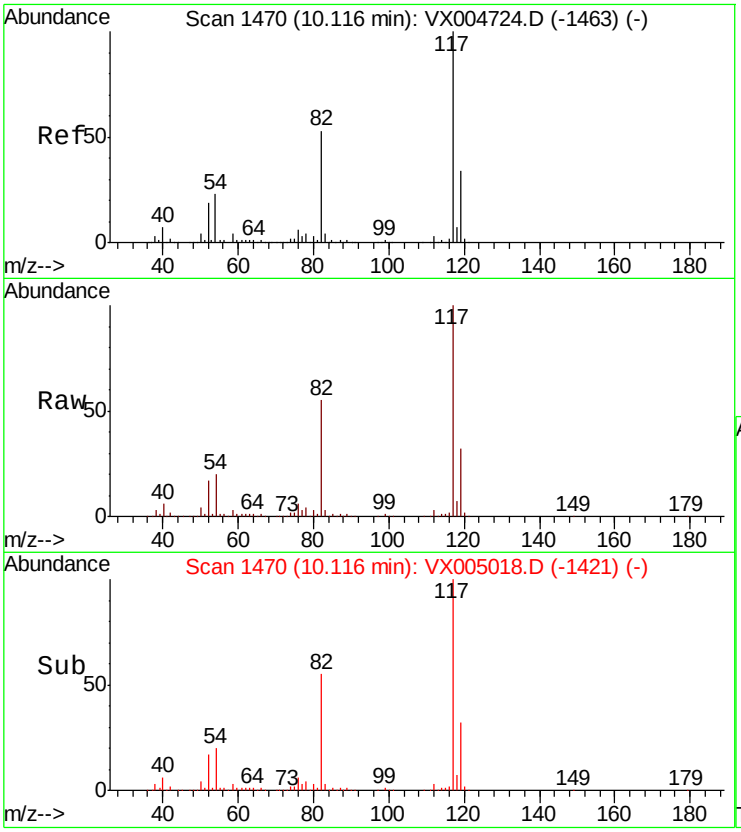




#62
4-Bromofluorobenzene
Concen: 52.904 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 95 Resp: 205668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.9 | 0.0 | 185.0 |
| 176 | 89.4 | 0.0 | 180.2 |

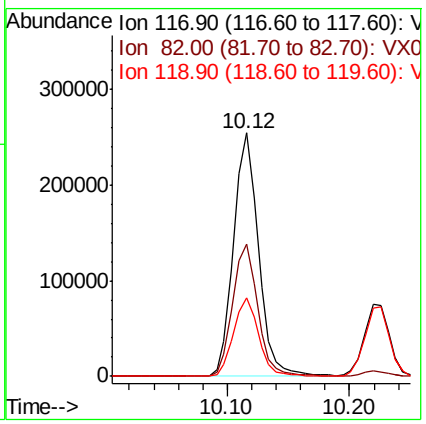





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:117 Resp: 358809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 42.2 | 63.4 |
| 119 | 32.2 | 27.4 | 41.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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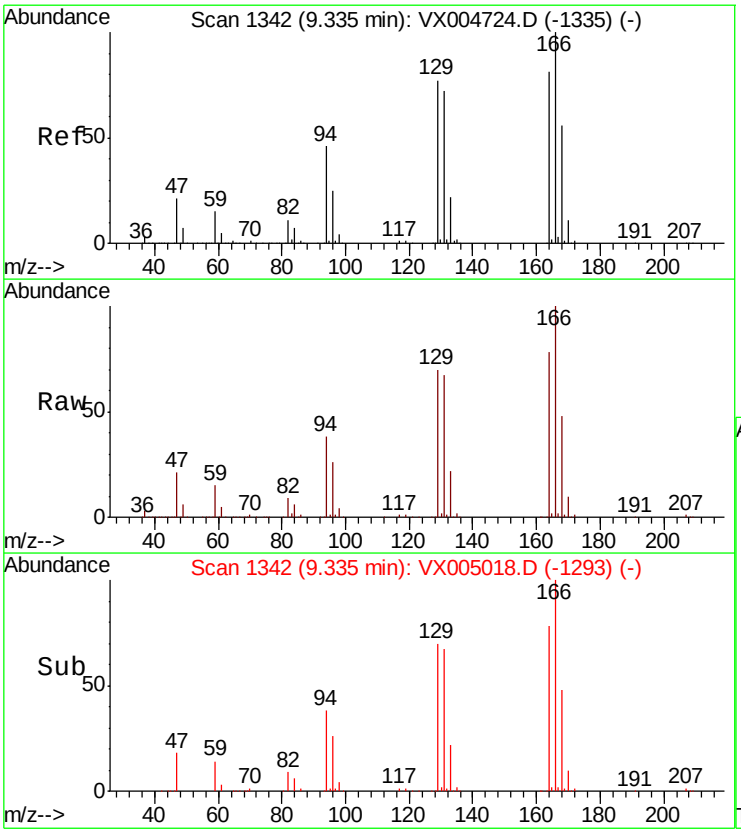
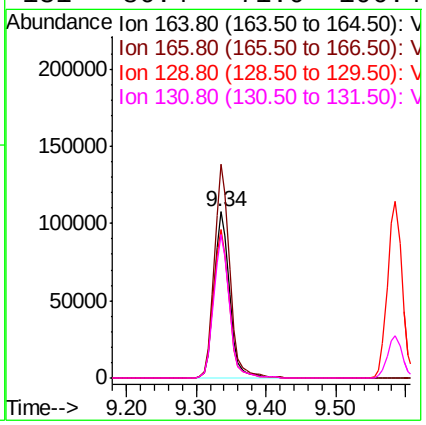
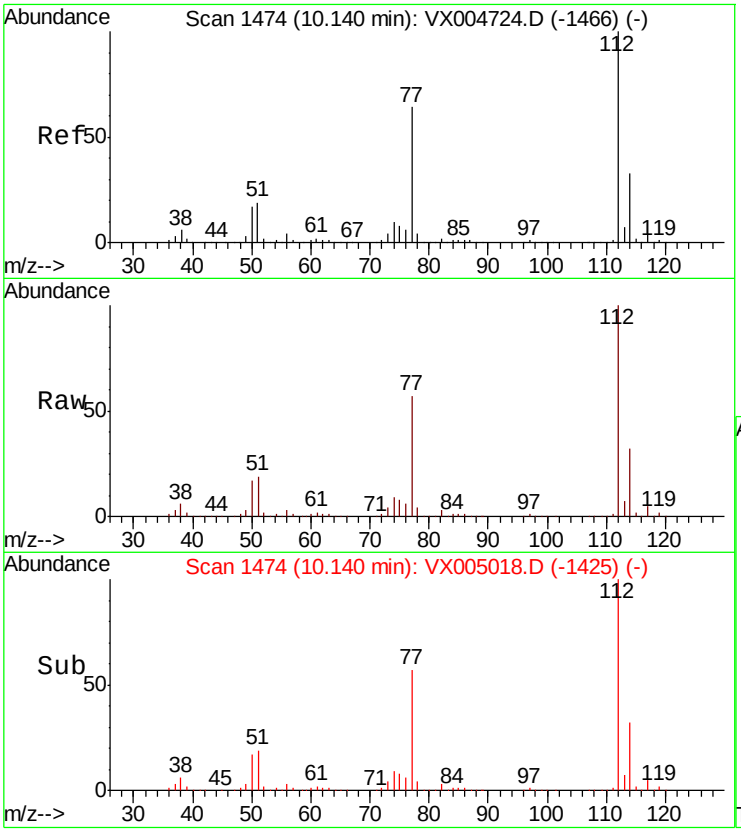



#64
Tetrachloroethene
Concen: 47.020 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:164 Resp: 166049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.7 | 98.4 | 147.6 |
| 129 | 89.5 | 76.1 | 114.1 |
| 131 | 86.4 | 71.0 | 106.4 |






#65
Chlorobenzene
Concen: 47.003 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:112 Resp: 432467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 26.7 | 40.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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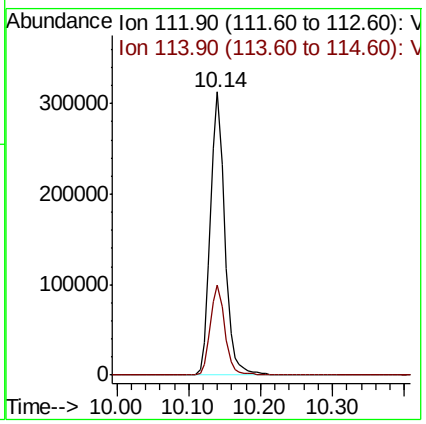
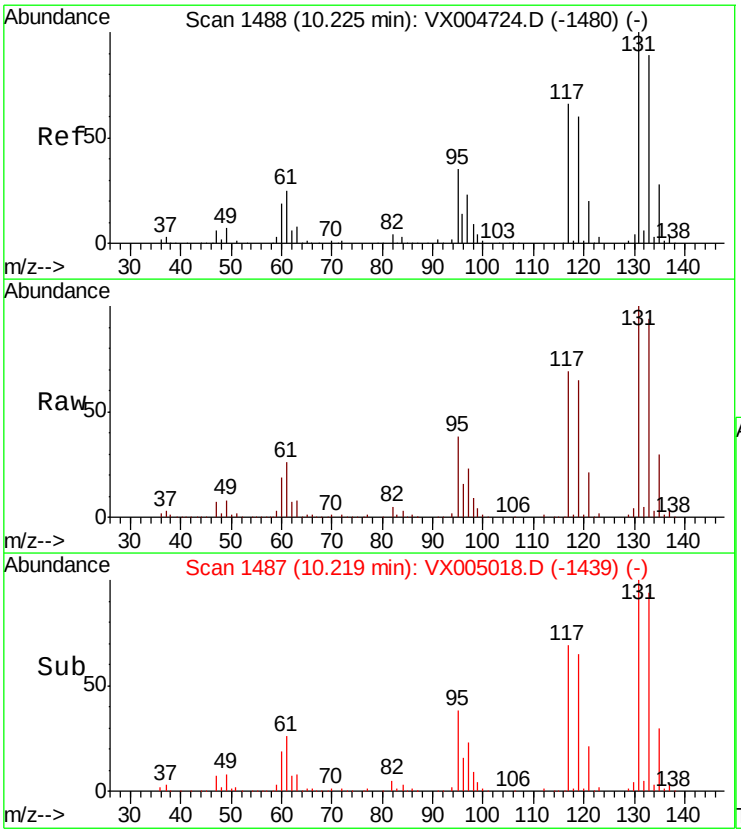
10/5/2018 3:24:51 PM

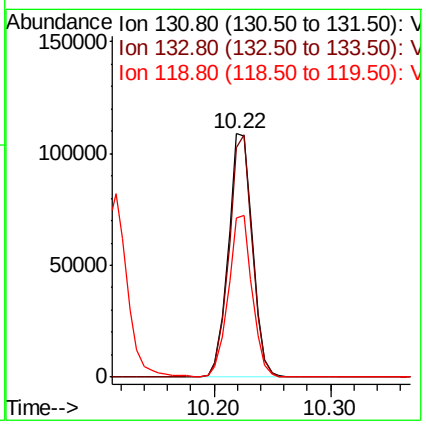


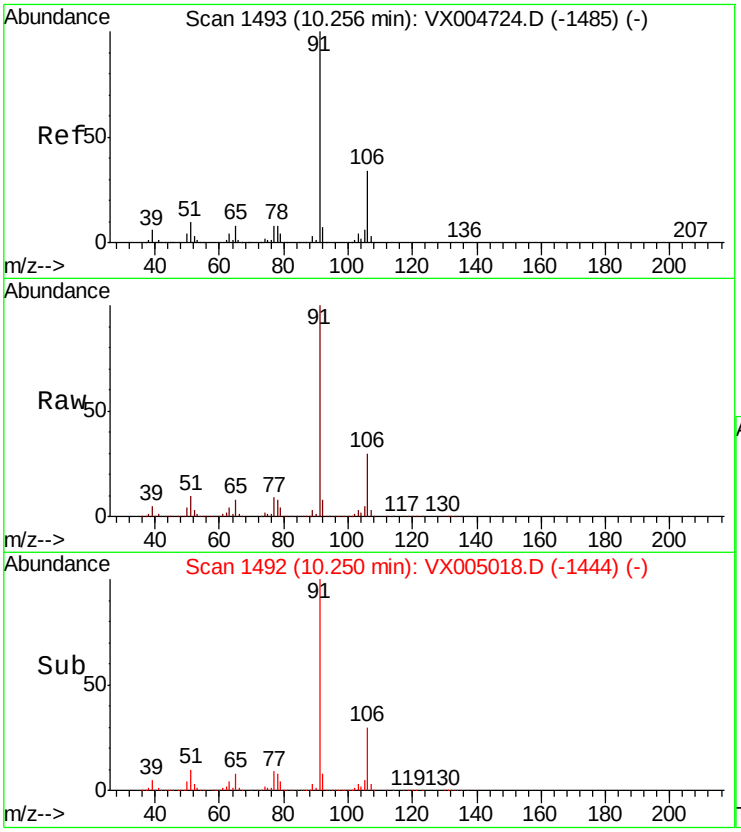




#66
1,1,1,2-Tetrachloroethane
Concen: 48.466 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:131 Resp: 156771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 48.4 | 145.0 |
| 119 | 65.2 | 32.3 | 96.8 |

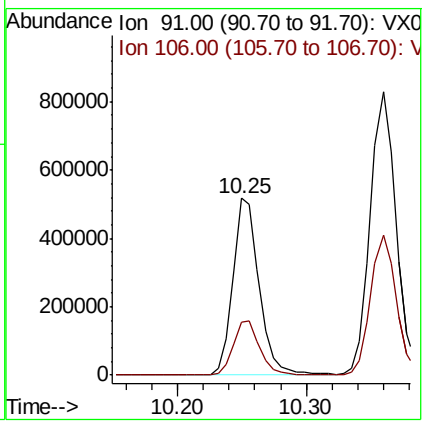





#67
Ethyl Benzene
Concen: 50.542 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 91 Resp: 738297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 26.9 | 40.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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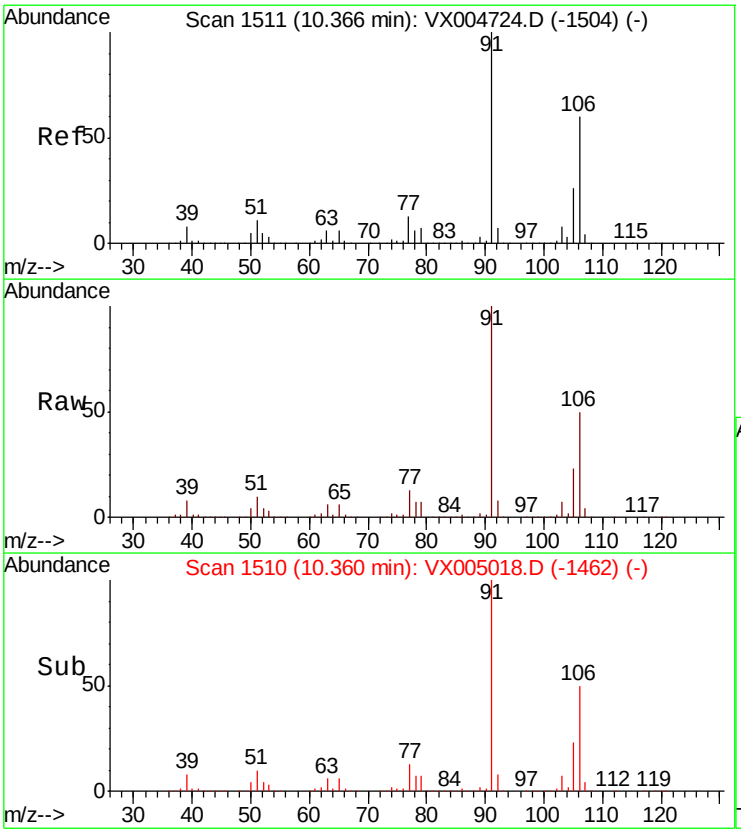
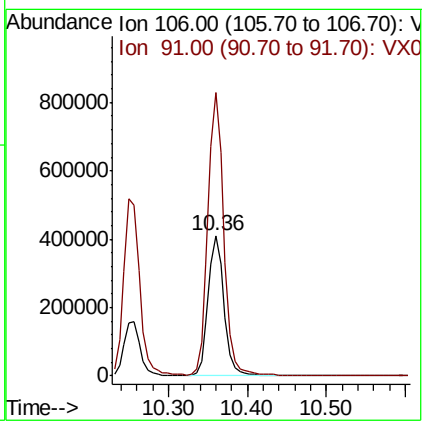
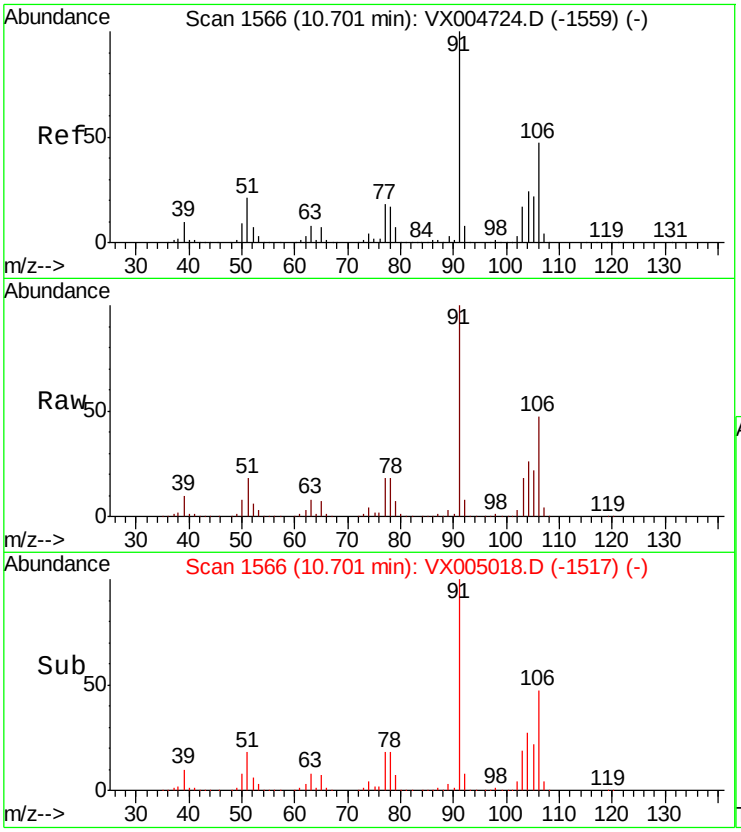



#68
m/p-Xylenes
Concen: 100.746 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:106 Resp: 575078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.7 | 157.5 | 236.3 |






#69
o-Xylene
Concen: 53.124 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:106 Resp: 278528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.6 | 108.3 | 324.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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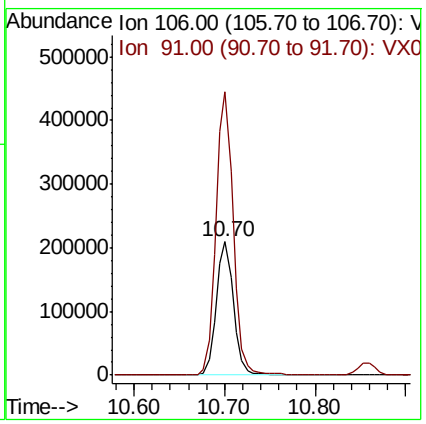
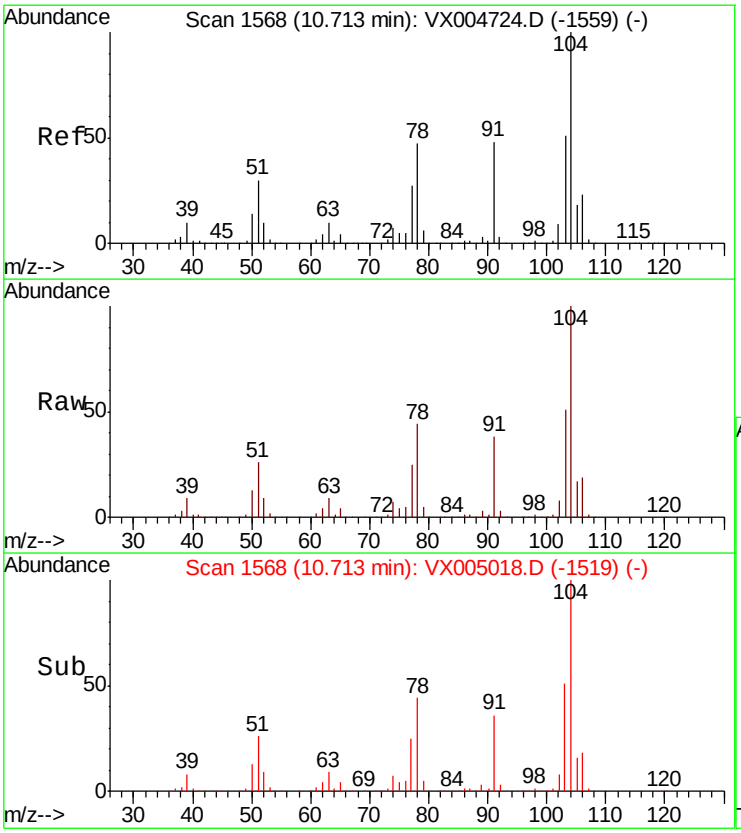
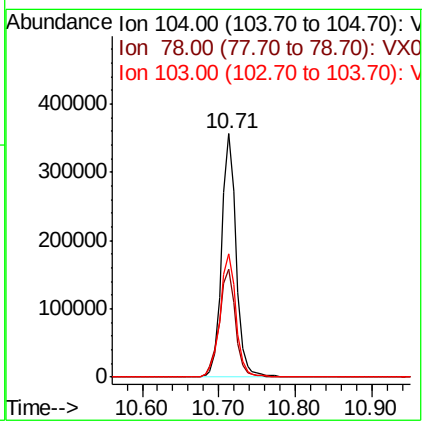


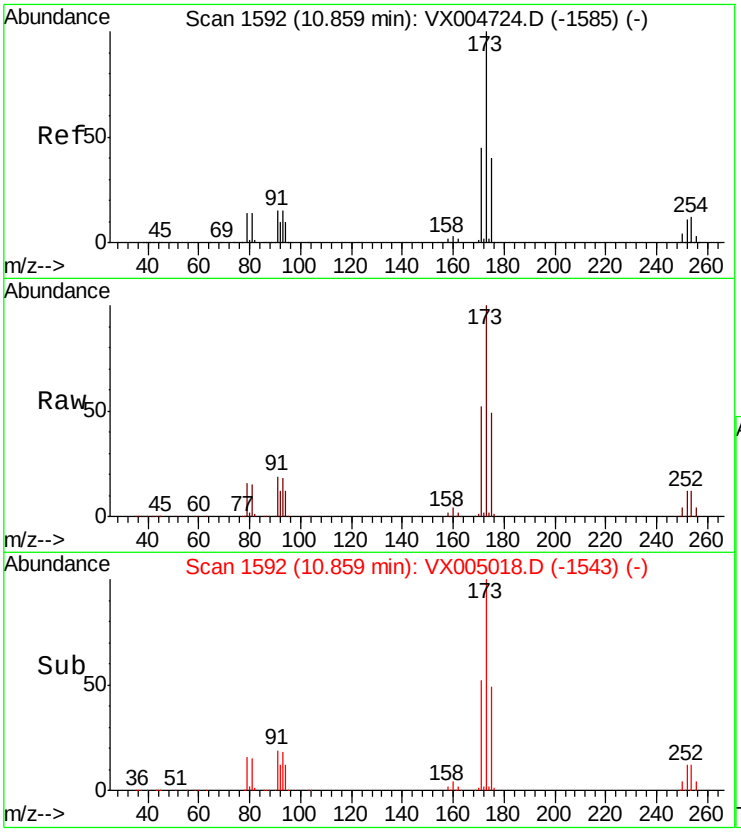




#70
Styrene
Concen: 47.831 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:104 Resp: 468081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.5 | 40.0 | 60.0 |
| 103 | 55.6 | 44.3 | 66.5 |

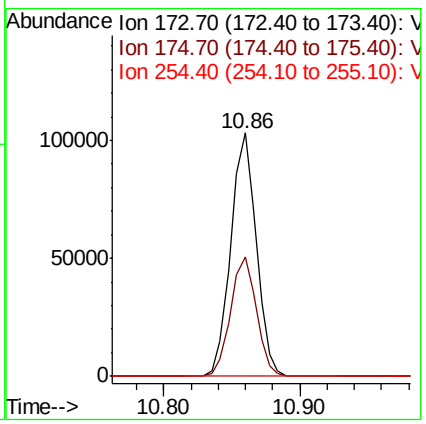





#71
Bromoform
Concen: 48.609 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:173 Resp: 134611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 23.3 | 69.8 |
| 254 | 0.2 | 0.2 | 0.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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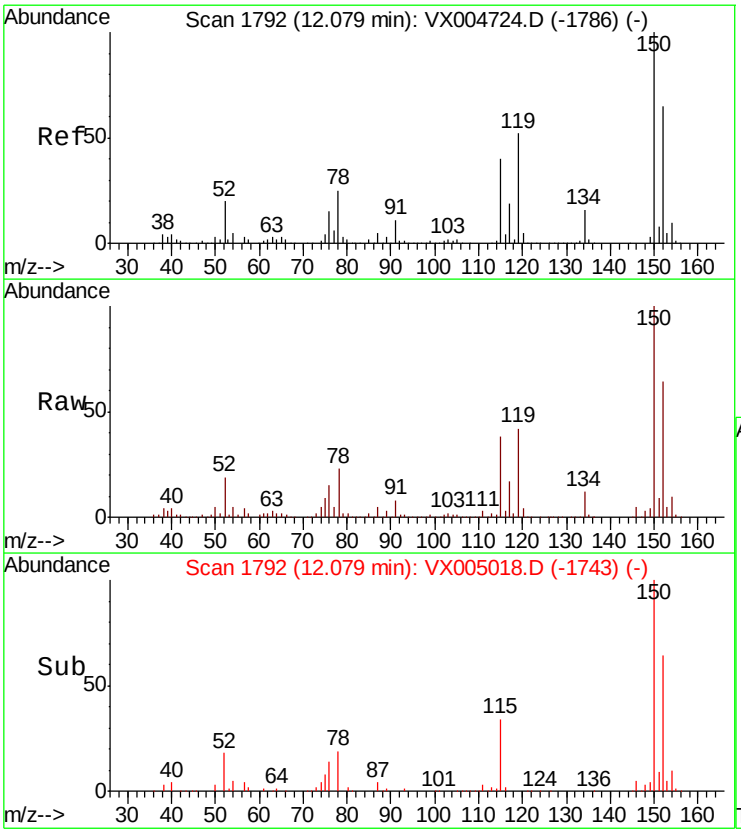
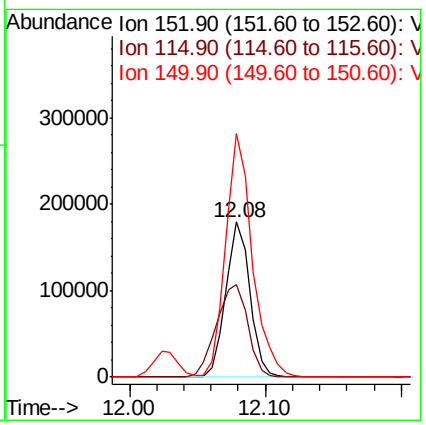
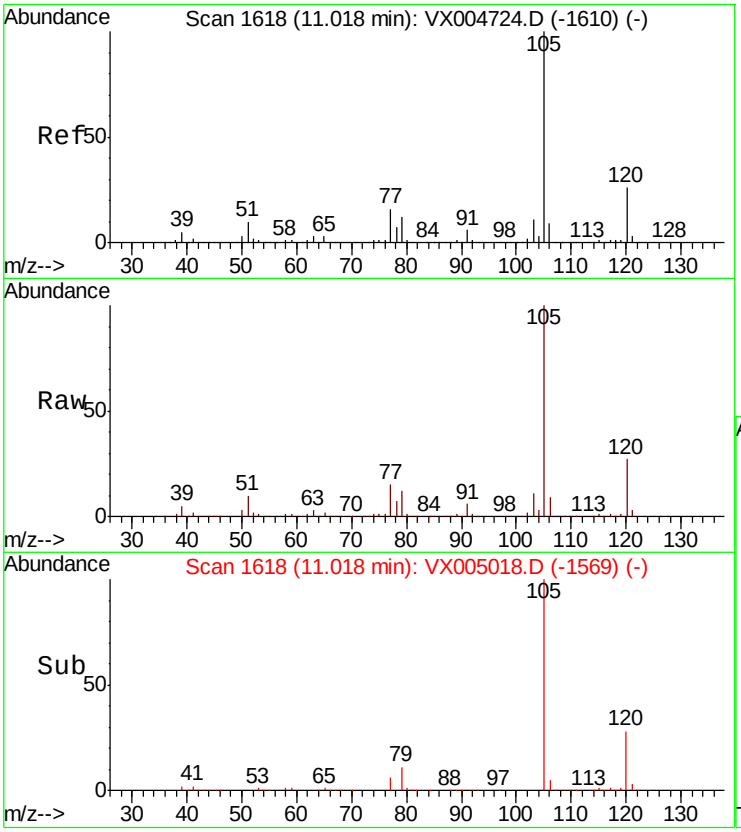



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:152 Resp: 221305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 78.2 | 40.2 | 120.6 |
| 150 | 173.6 | 0.0 | 351.0 |

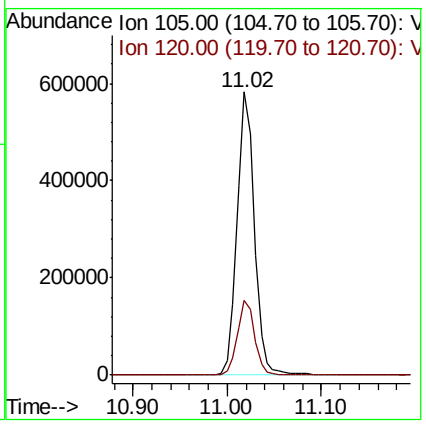





#73
Isopropylbenzene
Concen: 53.462 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:105 Resp: 745752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 13.2 | 39.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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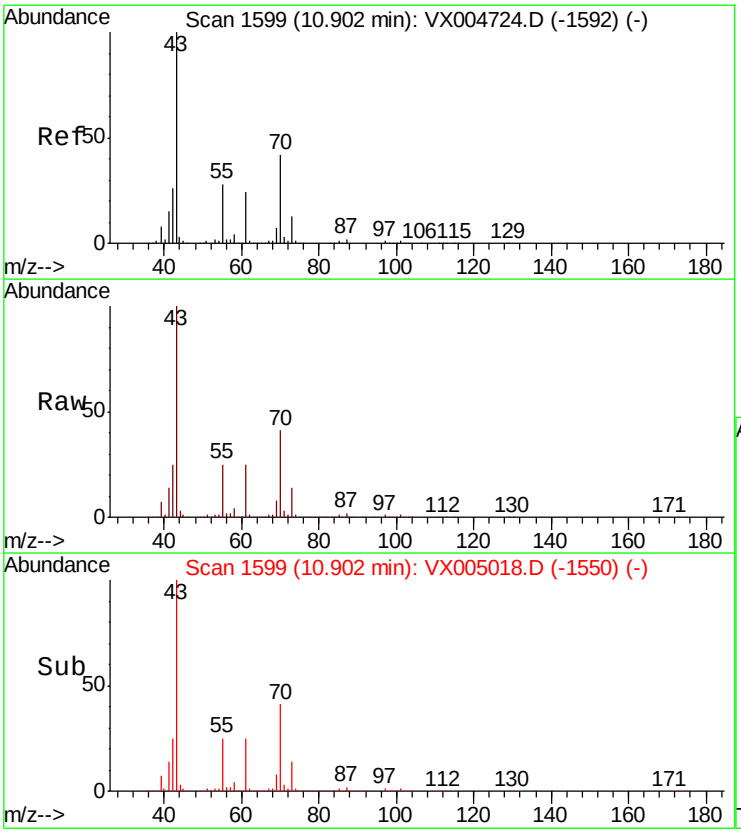
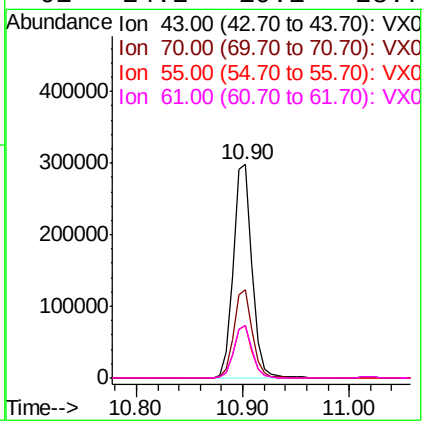
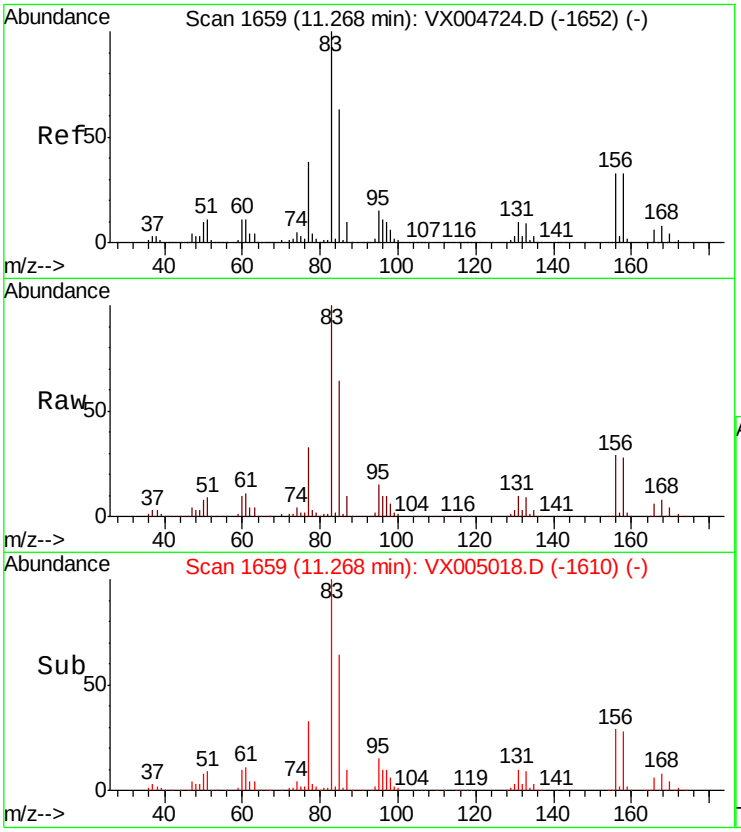



#74
N-amyl acetate
Concen: 48.080 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 43 Resp: 368101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.0 | 32.6 | 48.8 |
| 55 | 24.2 | 21.6 | 32.4 |
| 61 | 24.2 | 19.1 | 28.7 |

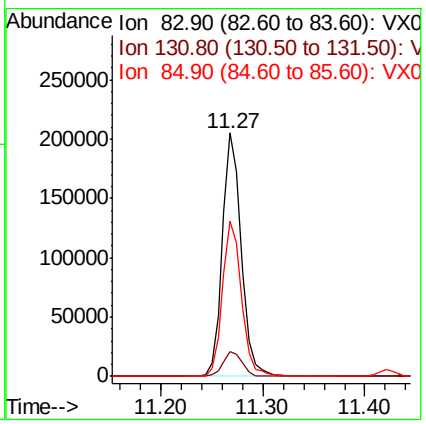





#75
1,1,2,2-Tetrachloroethane
Concen: 46.431 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 83 Resp: 263648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.3 |
| 85 | 64.3 | 31.9 | 95.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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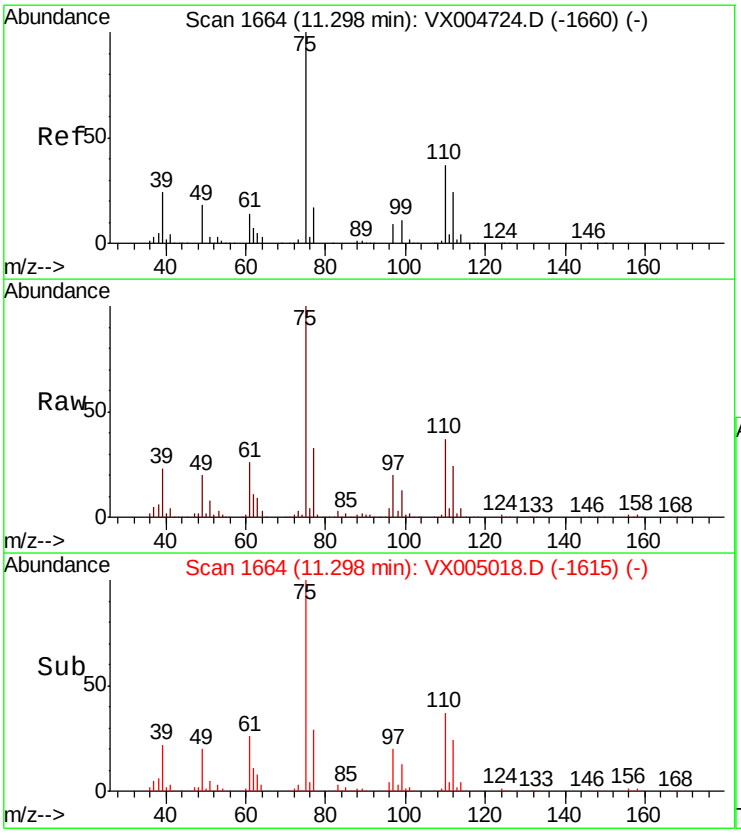
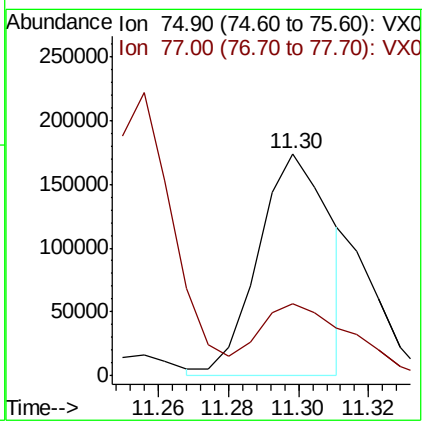
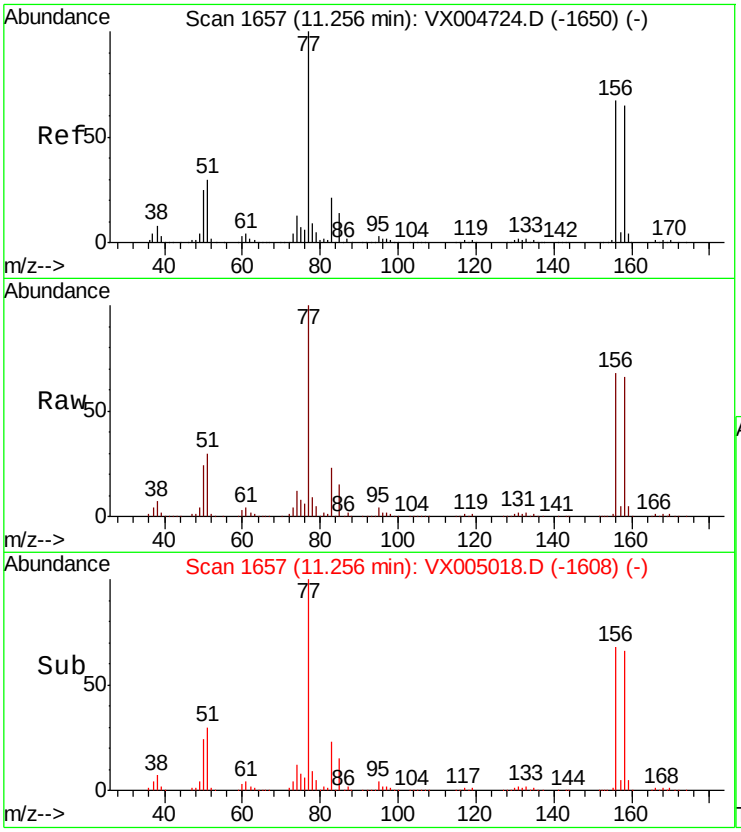



#76
1,2,3-Trichloropropane
Concen: 50.011 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 248065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.7 | 21.4 | 64.3 |

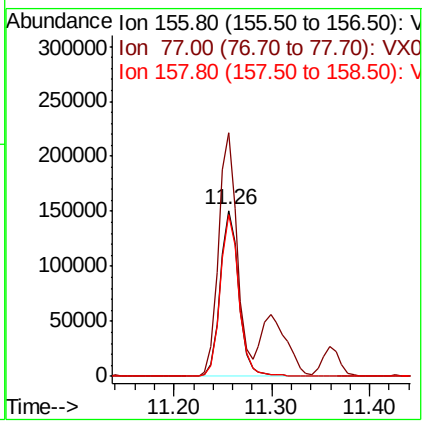





#77
Bromobenzene
Concen: 48.944 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:156 Resp: 198305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 147.0 | 73.4 | 220.2 |
| 158 | 97.5 | 49.1 | 147.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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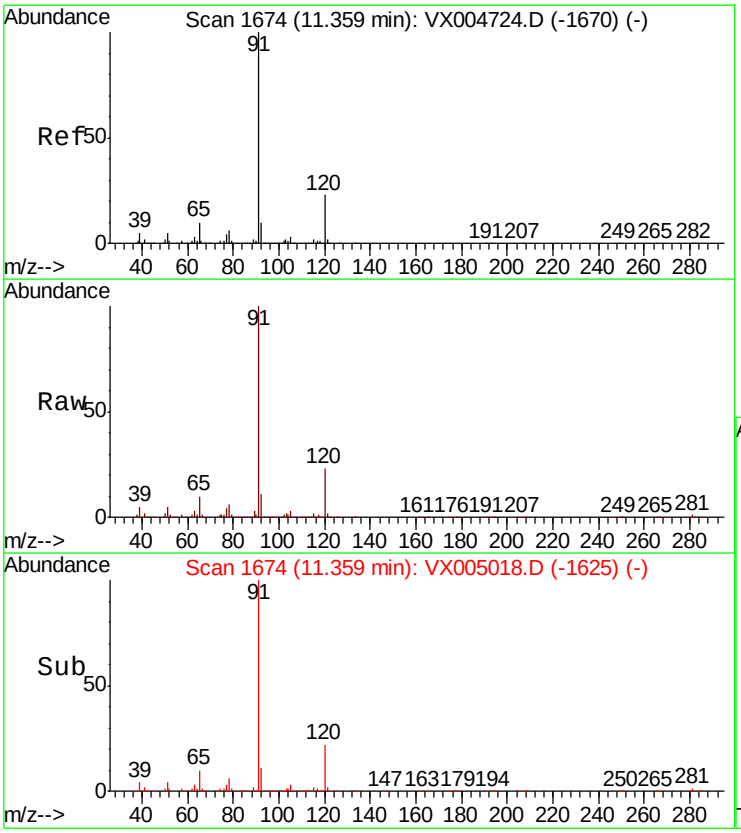
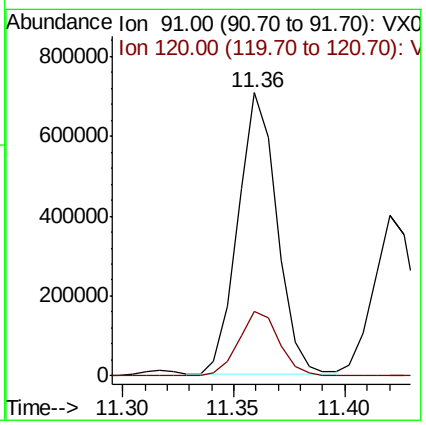
10/5/2018 3:24:51 PM

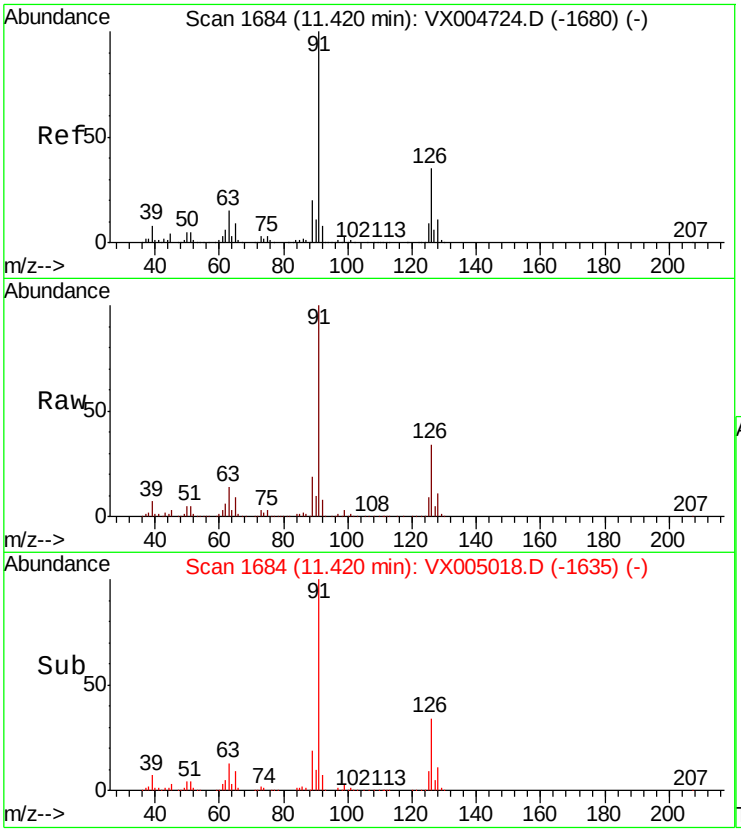



#78
n-propylbenzene
Concen: 54.100 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 91 Resp: 865863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.8 | 12.0 | 36.0 |






#79
2-Chlorotoluene
Concen: 51.060 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 91 Resp: 509388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.0 | 17.6 | 52.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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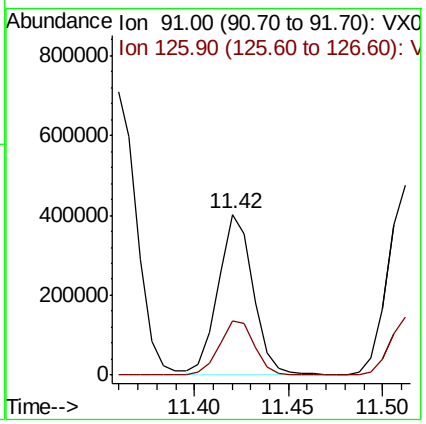
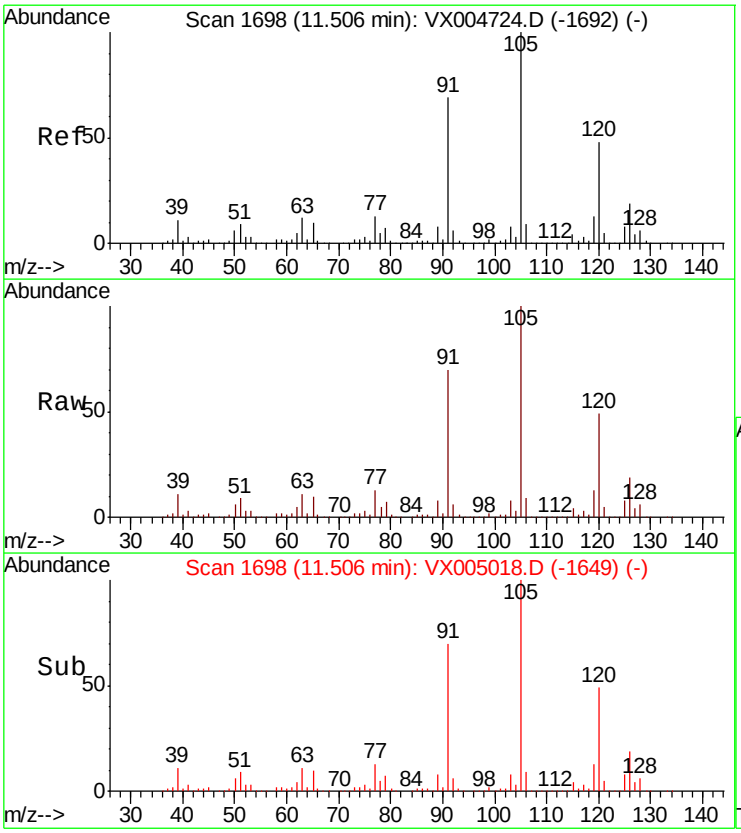
10/5/2018 3:24:51 PM

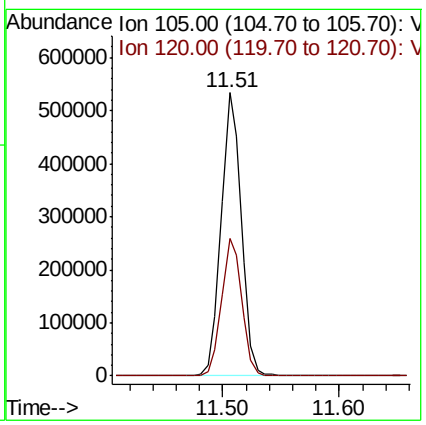


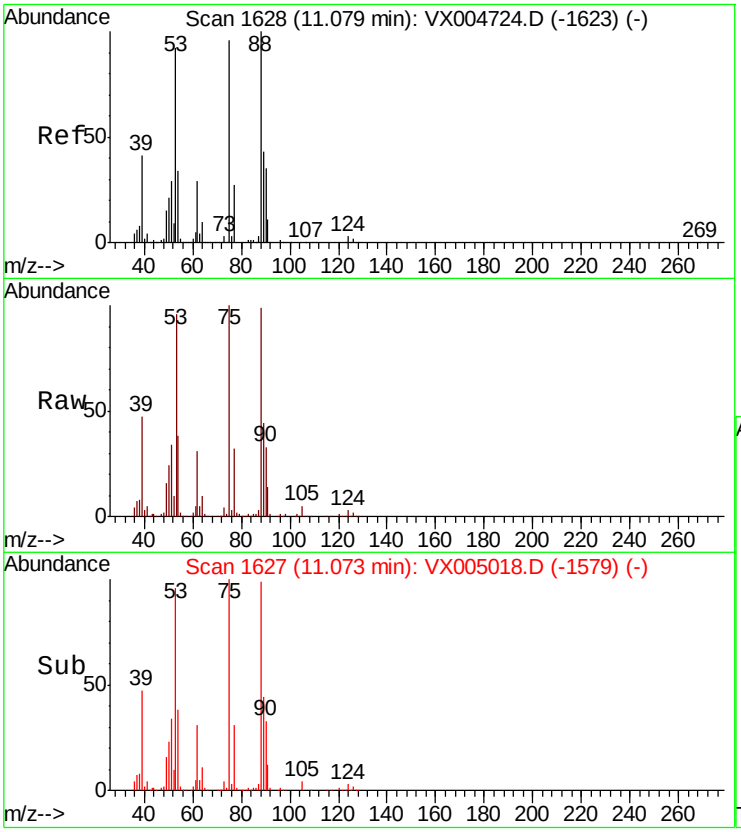




#80
1,3,5-Trimethylbenzene
Concen: 49.828 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:105 Resp: 637050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.3 | 72.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 44.660 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 80820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 95.4 | 80.2 | 120.4 |
| 89 | 48.9 | 37.1 | 55.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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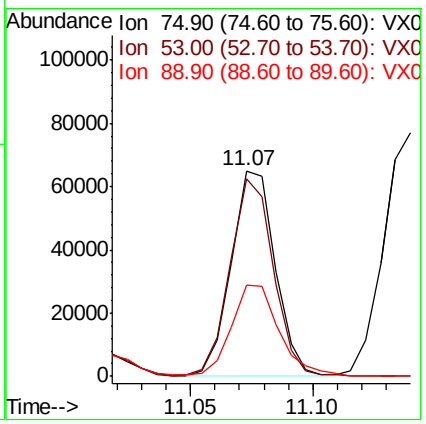
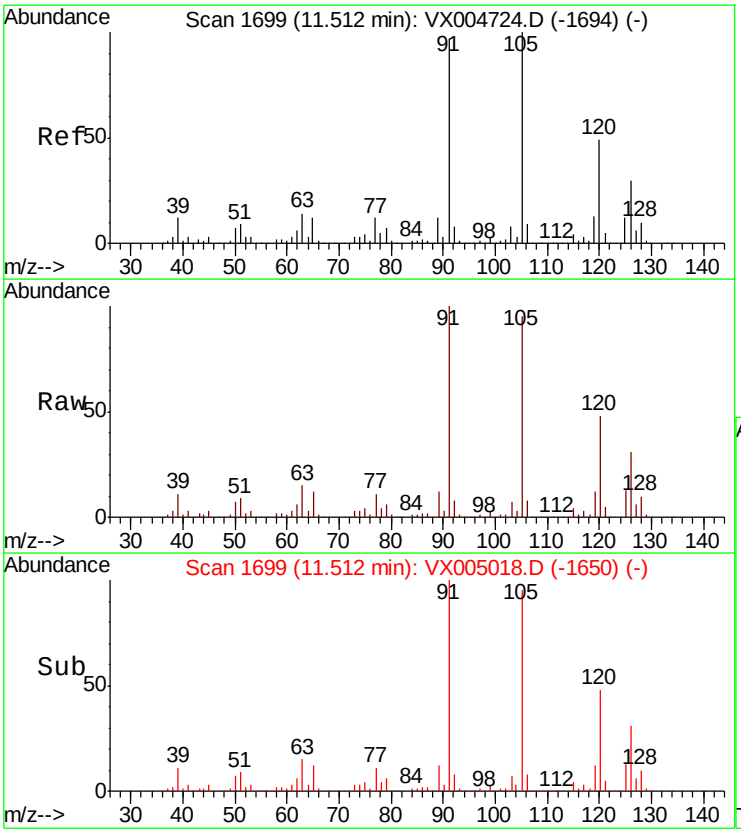
10/5/2018 3:24:51 PM

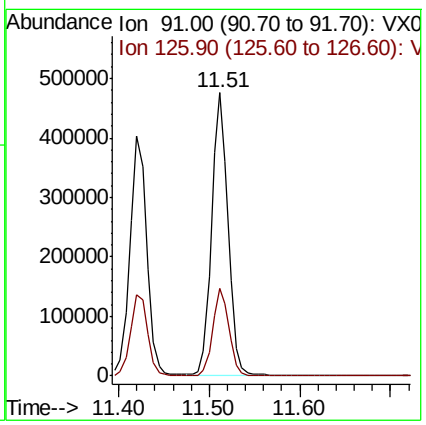


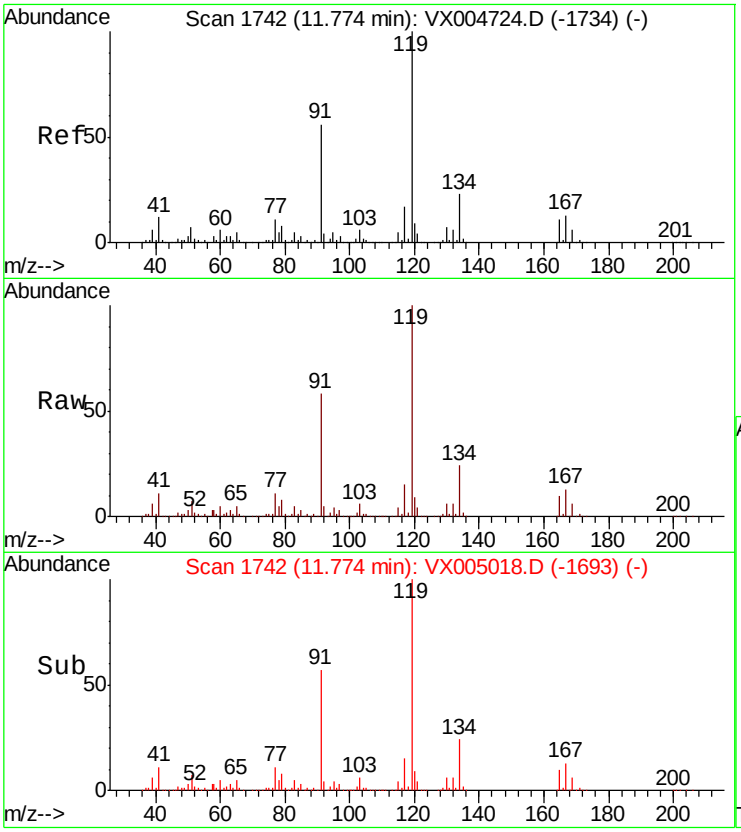




#82
4-Chlorotoluene
Concen: 51.802 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 91 Resp: 608286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.7 | 15.5 | 46.5 |

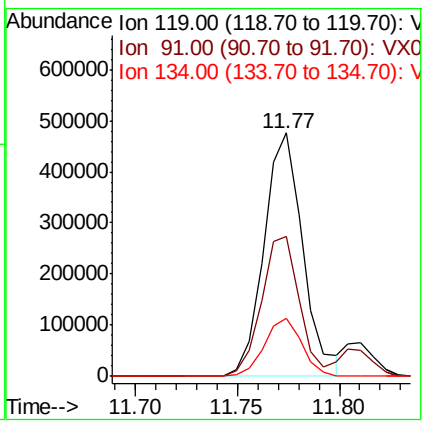





#83
tert-Butylbenzene
Concen: 55.060 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:119 Resp: 632356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 55.8 | 27.5 | 82.5 |
| 134 | 22.9 | 11.5 | 34.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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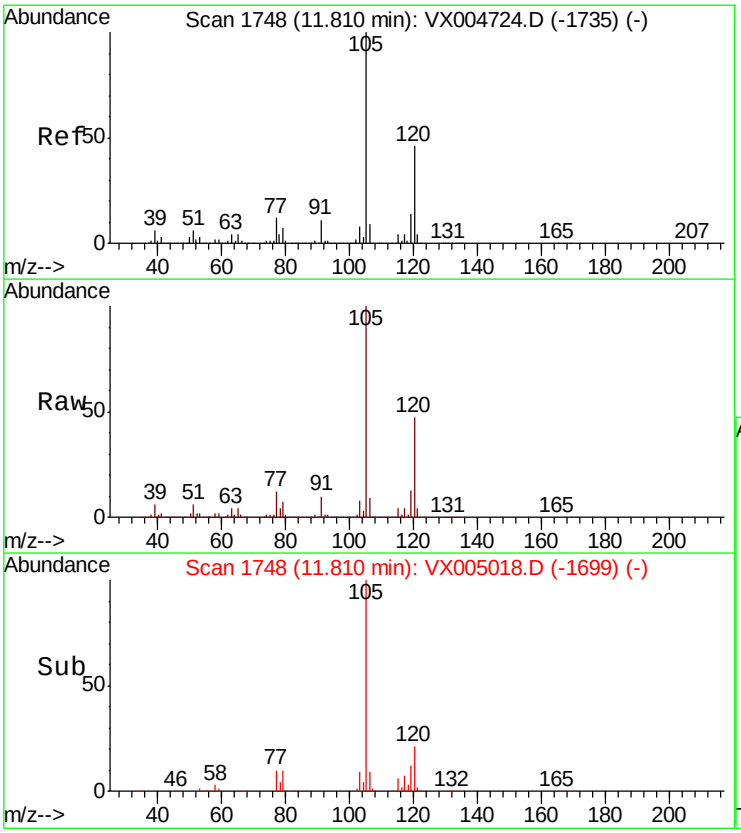
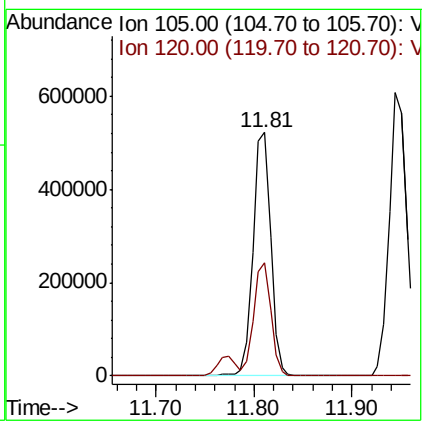
10/5/2018 3:24:51 PM

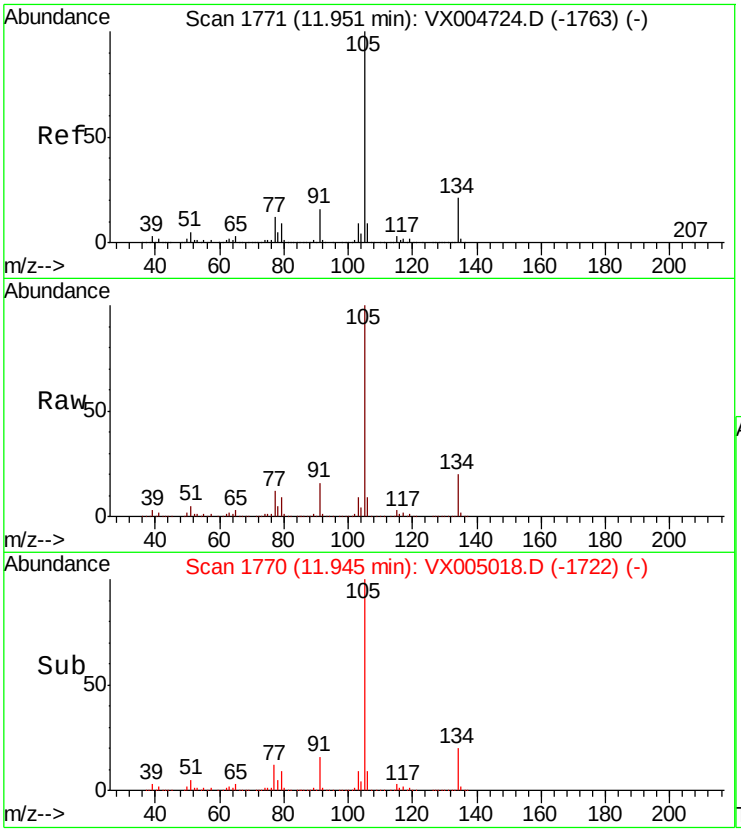



#84
1,2,4-Trimethylbenzene
Concen: 49.903 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:105 Resp: 657963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.3 | 22.8 | 68.3 |

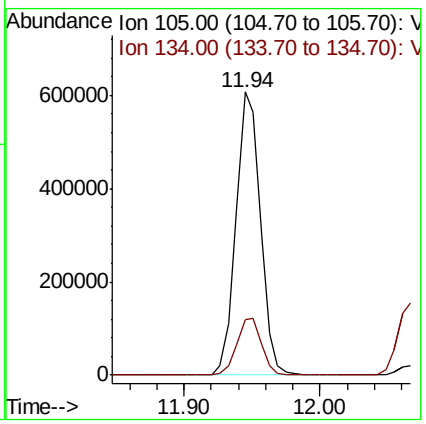





#85
sec-Butylbenzene
Concen: 54.164 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:105 Resp: 757694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 10.2 | 30.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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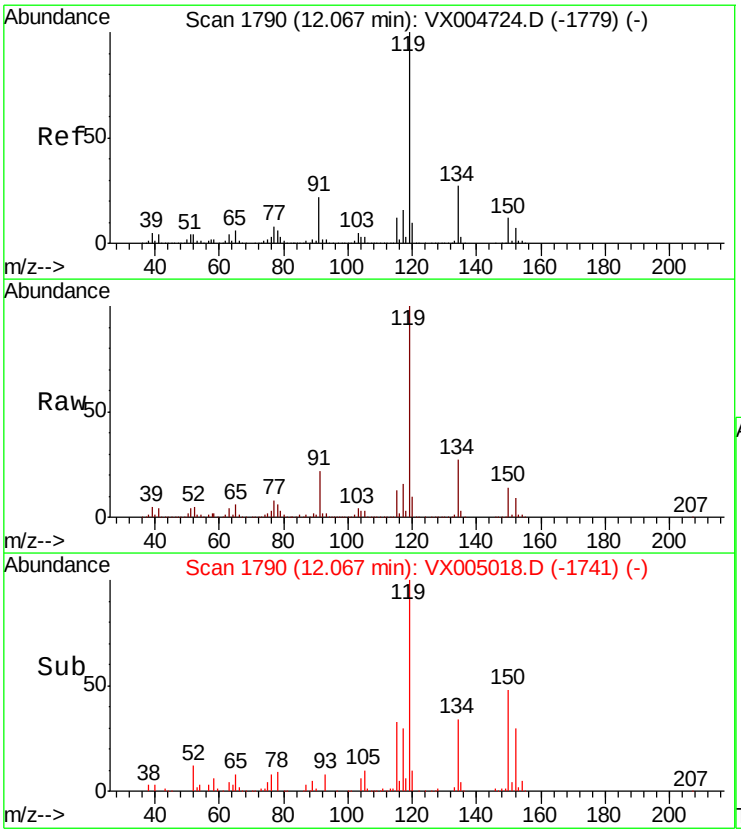
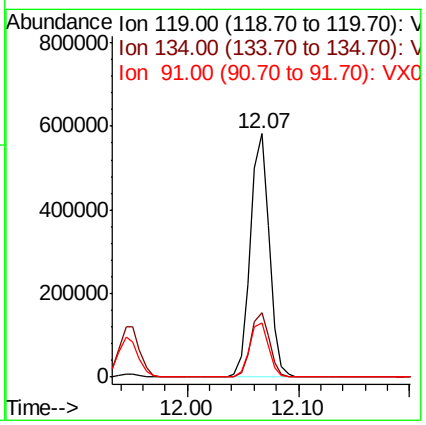
10/5/2018 3:24:51 PM

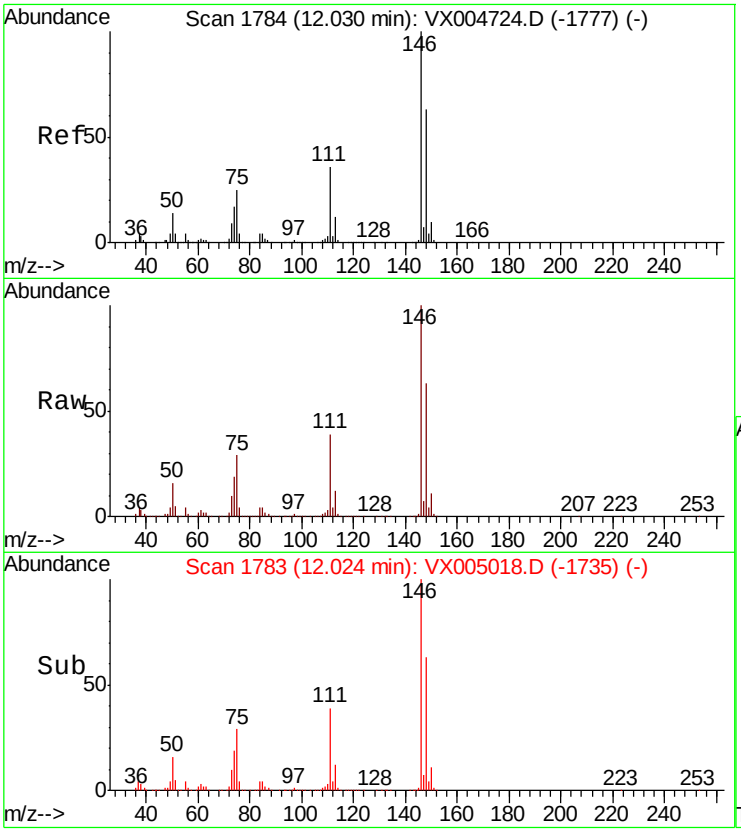



#86
p-Isopropyltoluene
Concen: 54.273 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:119 Resp: 687856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.5 | 13.4 | 40.1 |
| 91 | 22.7 | 11.5 | 34.4 |

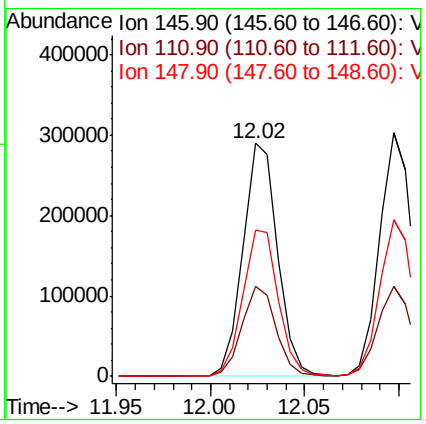





#87
1,3-Dichlorobenzene
Concen: 48.965 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:146 Resp: 370447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.9 | 18.9 | 56.9 |
| 148 | 64.0 | 31.8 | 95.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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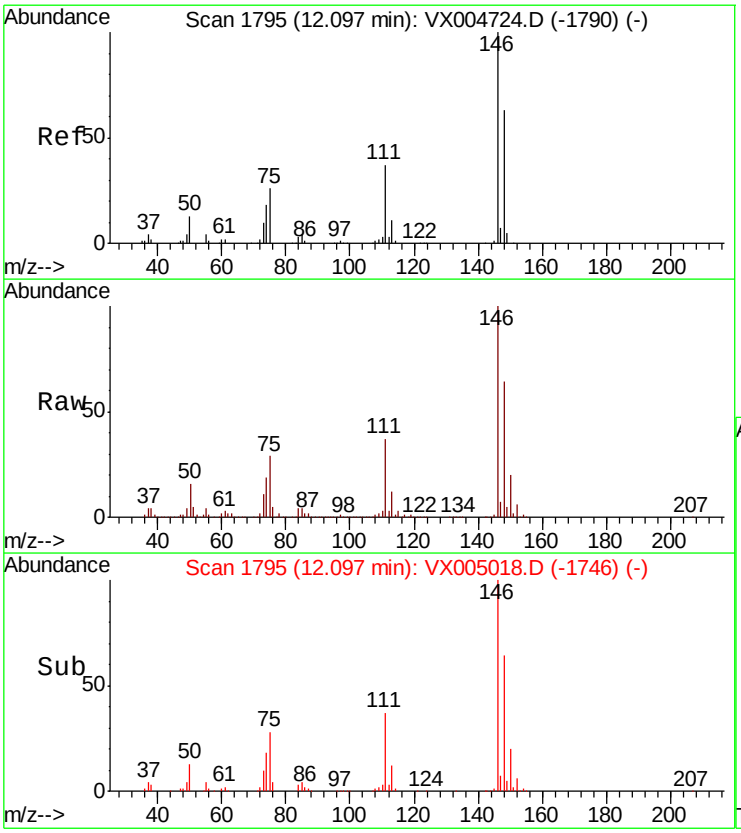
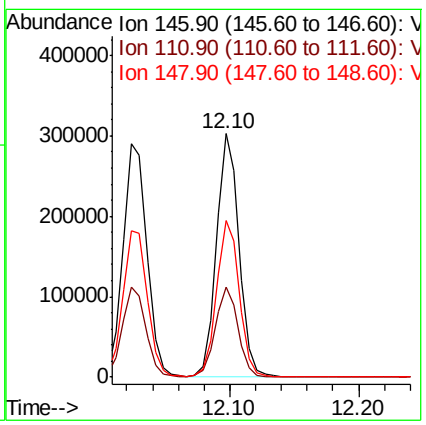
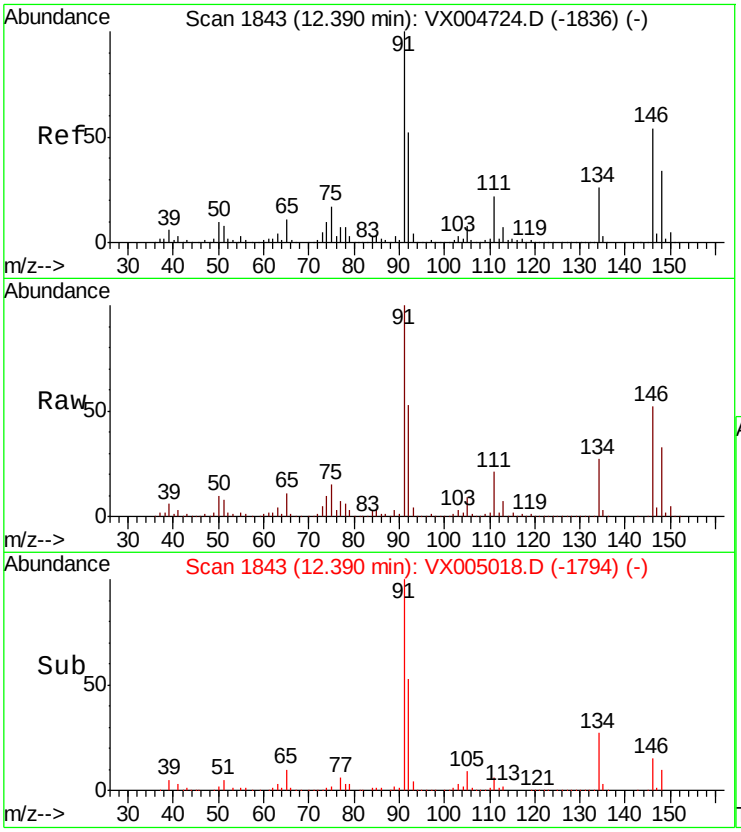



#88
1,4-Dichlorobenzene
Concen: 47.886 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:146 Resp: 373984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.5 | 18.4 | 55.2 |
| 148 | 64.8 | 32.0 | 96.0 |

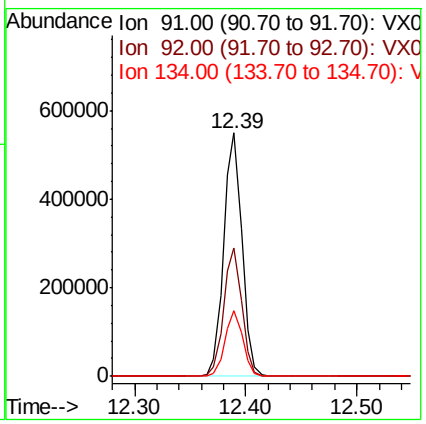





#89
n-Butylbenzene
Concen: 53.891 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 91 Resp: 620310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 26.0 | 78.0 |
| 134 | 26.5 | 13.2 | 39.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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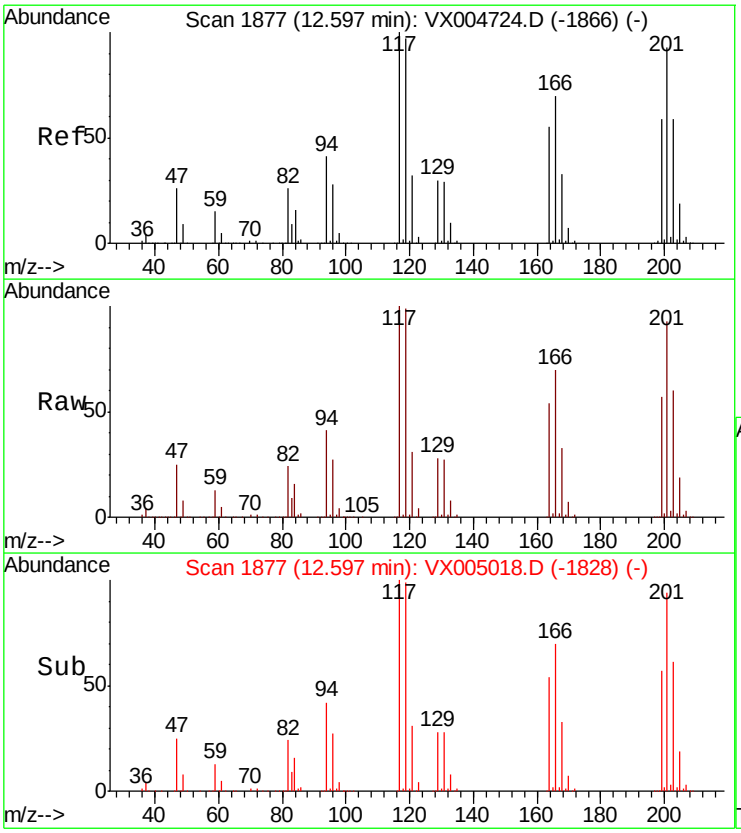
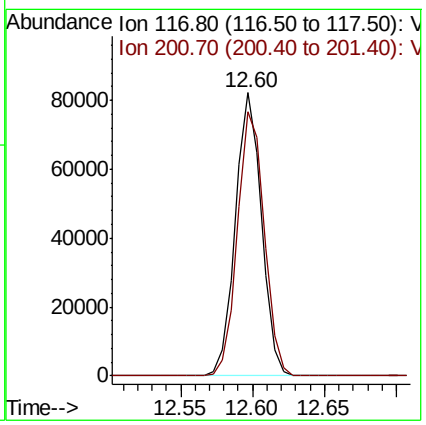
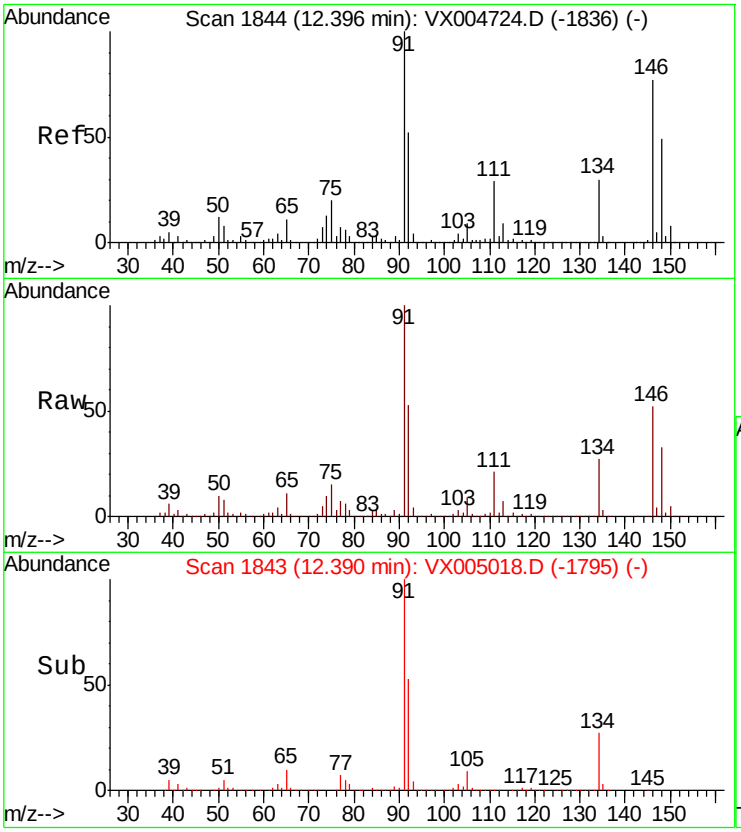



#90
Hexachloroethane
Concen: 49.079 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:117 Resp: 103566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 95.6 | 48.4 | 145.0 |

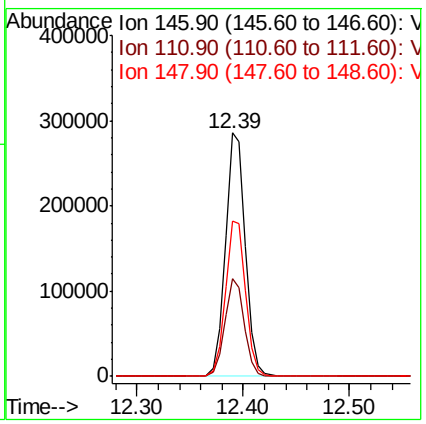





#91
1,2-Dichlorobenzene
Concen: 46.997 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:146 Resp: 371577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 19.6 | 58.7 |
| 148 | 64.4 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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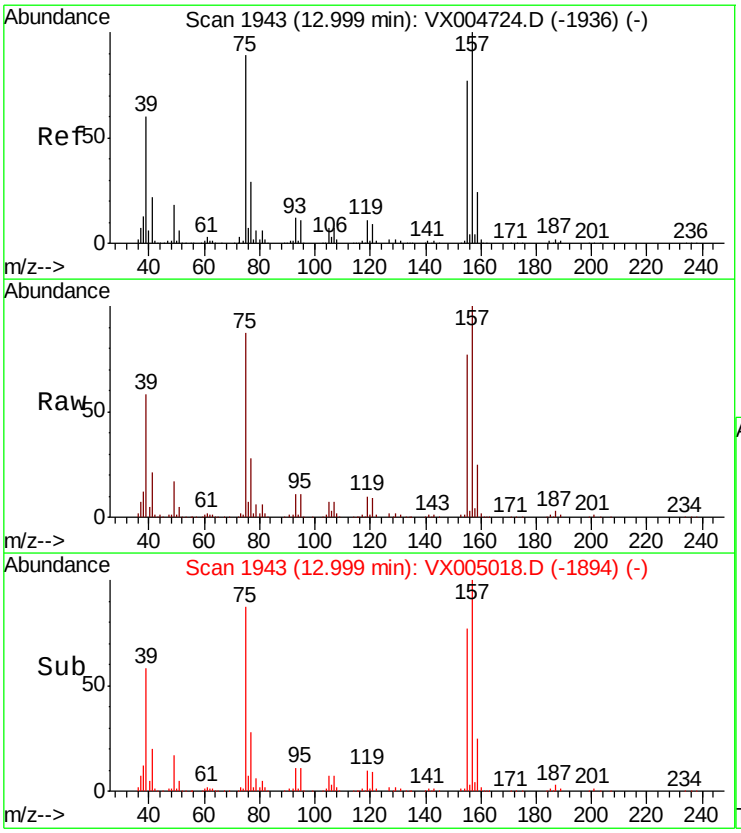
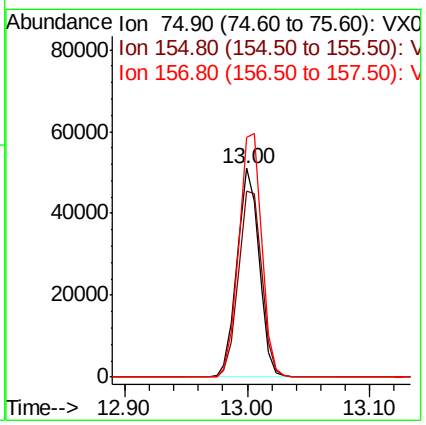
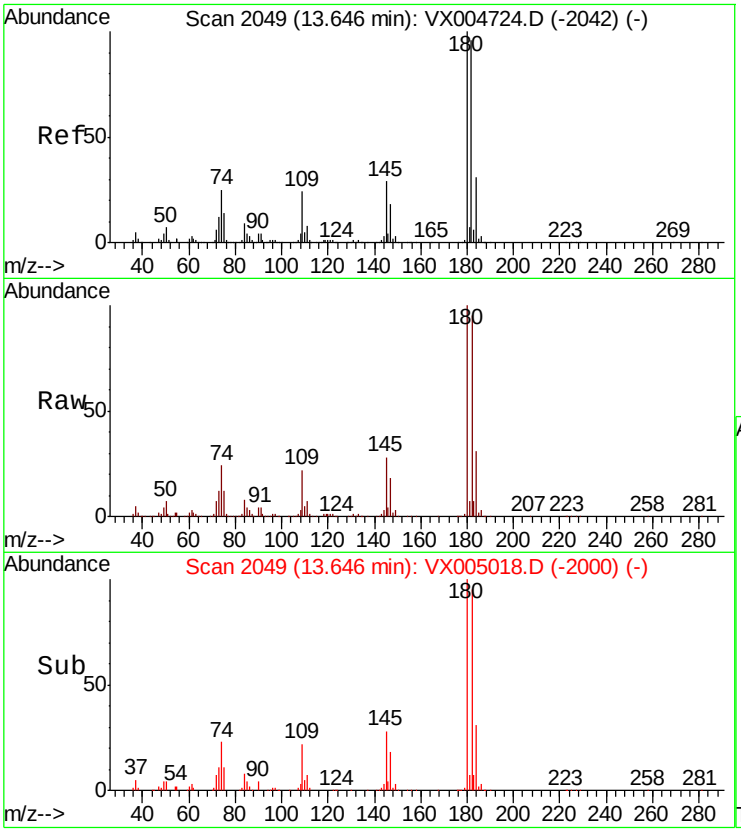



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.916 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion: 75 Resp: 63480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 93.7 | 46.1 | 138.3 |
| 157 | 120.8 | 60.2 | 180.6 |

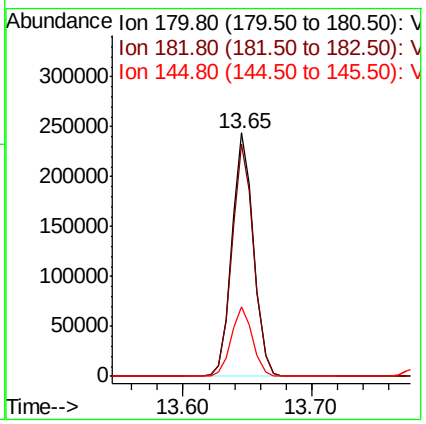





#93
1,2,4-Trichlorobenzene
Concen: 51.588 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:180 Resp: 286115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.8 | 143.4 |
| 145 | 28.3 | 14.1 | 42.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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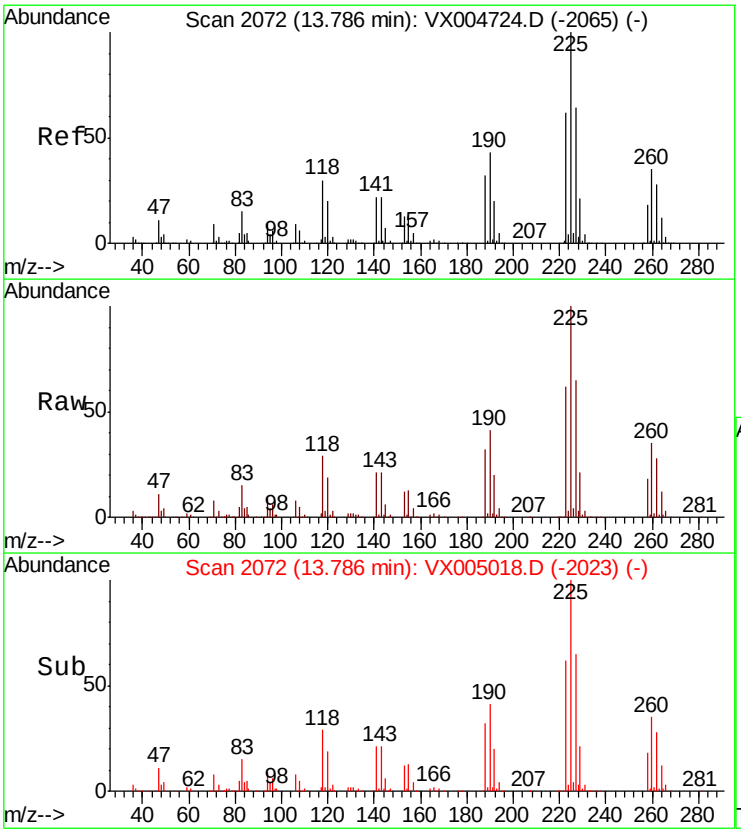
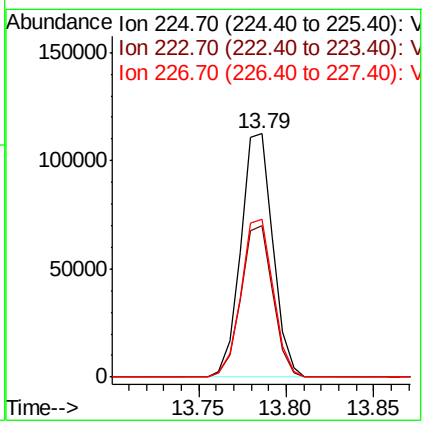
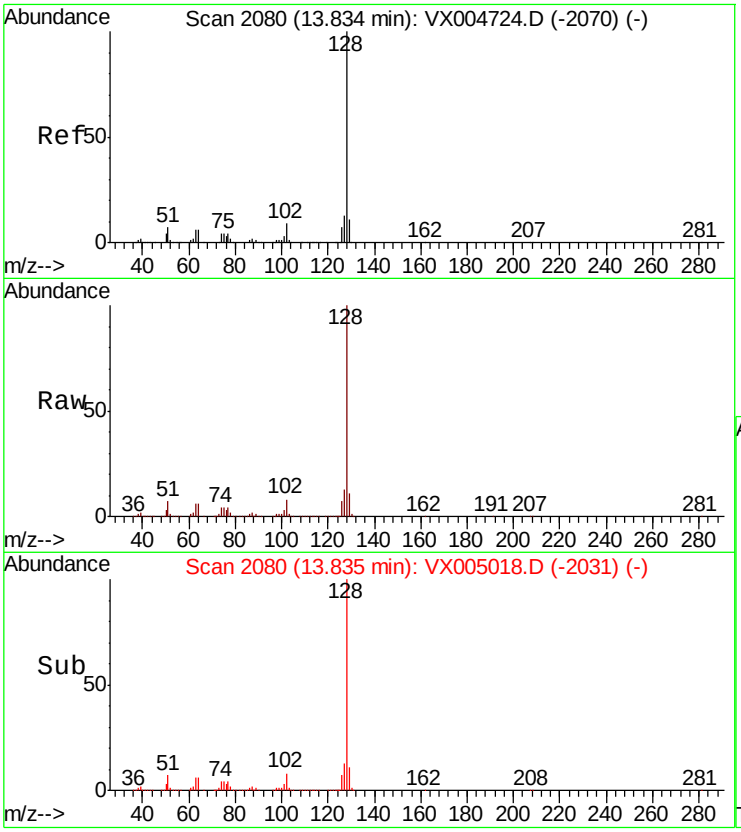



#94
Hexachlorobutadiene
Concen: 49.853 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:225 Resp: 143376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.5 | 31.3 | 93.8 |
| 227 | 64.6 | 31.9 | 95.5 |

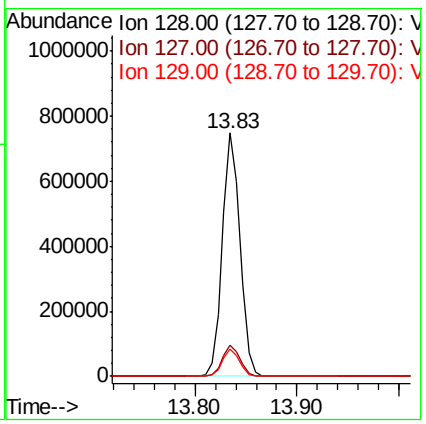





#95
Naphthalene
Concen: 48.811 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:128 Resp: 898198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.4 | 15.6 |
| 129 | 10.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
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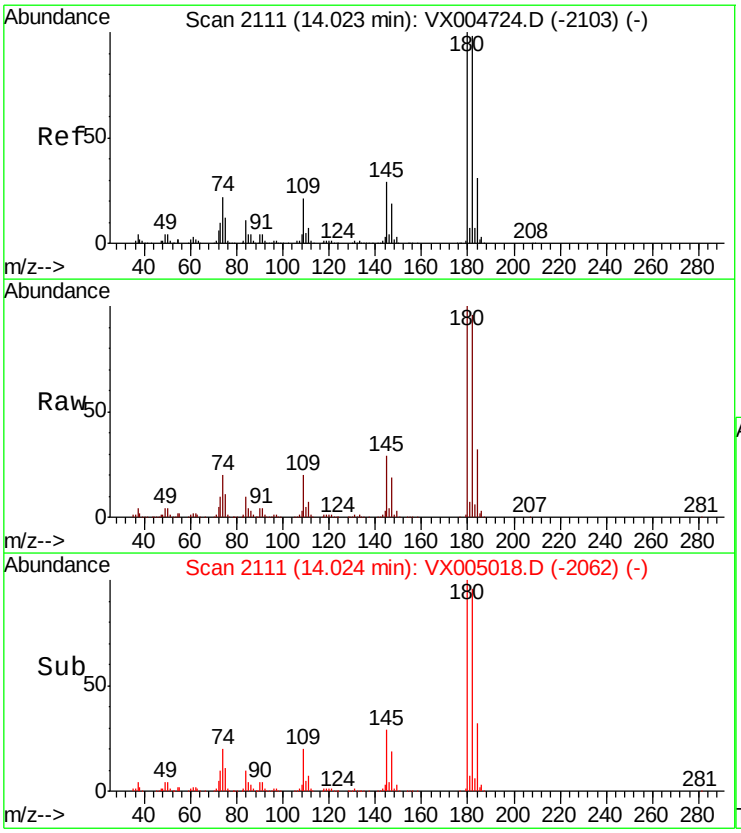
10/5/2018 3:24:51 PM




#96
1,2,3-Trichlorobenzene
Concen: 50.526 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005018.D
Acq: 04 Oct 2018 15:05

Tgt Ion:180 Resp: 289478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 47.9 | 143.8 |
| 145 | 29.6 | 15.0 | 45.0 |