Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
Data File : VX005278.D
Acq On : 12 Oct 2018 02:15
Operator : JC/MD
Sample : J5317-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

Quant Time: Oct 12 08:14:35 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 | 241603 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 318192 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 299185 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 169696 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 172823 | 50.07 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 100.14% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 140103 | 51.95 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 103.90% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 445582 | 49.70 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 99.40% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 173800 | 53.81 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 107.62% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 175885 | 53.39 | ug/l | | 96 |
| 3) Chloromethane | 1.32 | 50 | 185818 | 46.49 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.40 | 62 | 194280 | 51.83 | ug/l | | 100 |
| 5) Bromomethane | 1.64 | 94 | 83822 | 37.71 | ug/l | | 92 |
| 6) Chloroethane | 1.70 | 64 | 113066 | 55.61 | ug/l | | 94 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 234013 | 50.43 | ug/l | | 99 |
| 8) Diethyl Ether | 2.19 | 74 | 92591 | 45.93 | ug/l | | 93 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 121625 | 46.01 | ug/l | | 98 |
| 10) Methyl Iodide | 2.50 | 142 | 131431 | 37.16 | ug/l | | 92 |
| 11) Tert butyl alcohol | 3.09 | 59 | 258835 | 268.22 | ug/l | | 97 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 132621 | 50.66 | ug/l | | 93 |
| 13) Acrolein | 2.29 | 56 | 90935 | 132.44 | ug/l | | 95 |
| 14) Allyl chloride | 2.73 | 41 | 247782 | 43.38 | ug/l | | 96 |
| 15) Acrylonitrile | 3.15 | 53 | 539872 | 254.13 | ug/l | | 95 |
| 16) Acetone | 2.45 | 43 | 513184 | 254.69 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.56 | 76 | 374368 | 47.59 | ug/l | | 99 |
| 18) Methyl Acetate | 2.78 | 43 | 173678 | 34.02 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.21 | 73 | 464836 | 51.48 | ug/l | | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 148441 | 50.68 | ug/l | # | 87 |
| 21) trans-1,2-Dichloroethene | 3.15 | 96 | 136767 | 47.73 | ug/l | | 91 |
| 22) Diisopropyl ether | 3.87 | 45 | 496582 | 51.63 | ug/l | # | 83 |
| 23) Vinyl Acetate | 3.82 | 43 | 1249929 | 141.97 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 269205 | 46.92 | ug/l | | 100 |
| 25) 2-Butanone | 4.70 | 43 | 730879 | 246.08 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 4.58 | 77 | 41379 | 10.36 | ug/l | | 83 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 157747 | 49.27 | ug/l | | 89 |
| 28) Bromochloromethane | 5.02 | 49 | 97698 | 36.16 | ug/l | | 98 |
| 29) Tetrahydrofuran | 5.15 | 42 | 481622 | 260.90 | ug/l | | 99 |
| 30) Chloroform | 5.21 | 83 | 249563 | 46.02 | ug/l | | 99 |
| 31) Cyclohexane | 5.57 | 56 | 233072 | 53.08 | ug/l | # | 81 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 223189 | 50.40 | ug/l | | 94 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 196770 | 53.48 | ug/l | | 90 |
| 37) Ethyl Acetate | 4.85 | 43 | 160738 | 32.91 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 5.79 | 117 | 194799 | 50.37 | ug/l | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
Data File : VX005278.D
Acq On : 12 Oct 2018 02:15
Operator : JC/MD
Sample : J5317-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

Quant Time: Oct 12 08:14:35 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 | 181133 | 48.21 ug/l # | 85 |
| 40) Benzene | 6.14 | 78 | 566011 | 49.14 ug/l | 99 |
| 41) Methacrylonitrile | 5.06 | 41 | 142741 | 52.70 ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.20 | 62 | 201240 | 49.42 ug/l | 97 |
| 43) Isopropyl Acetate | 6.46 | 43 | 248947 | 35.32 ug/l | 95 |
| 44) Trichloroethene | 7.21 | 130 | 147493 | 52.09 ug/l | 97 |
| 45) 1,2-Dichloropropane | 7.52 | 63 | 134872 | 47.75 ug/l | 100 |
| 46) Dibromomethane | 7.66 | 93 | 88819 | 50.03 ug/l | 99 |
| 47) Bromodichloromethane | 7.90 | 83 | 171627 | 51.64 ug/l | 99 |
| 48) Methyl methacrylate | 7.78 | 41 | 172706 | 53.98 ug/l | 99 |
| 49) 1,4-Dioxane | 7.76 | 88 | 85893 | 1080.56 ug/l | 98 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1183690 | 266.69 ug/l | 99 |
| 52) Toluene | 8.79 | 92 | 316314 | 49.98 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 149728 | 39.86 ug/l | 93 |
| 54) cis-1,3-Dichloropropene | 8.44 | 75 | 158797 | 40.36 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.22 | 97 | 131981 | 47.60 ug/l | 95 |
| 56) Ethyl methacrylate | 9.18 | 69 | 206815 | 46.20 ug/l | 97 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 219261 | 47.52 ug/l | 98 |
| 59) 2-Hexanone | 9.50 | 43 | 964163 | 260.68 ug/l | 95 |
| 60) Dibromochloromethane | 9.59 | 129 | 141789 | 51.14 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.68 | 107 | 138118 | 46.52 ug/l | 96 |
| 64) Tetrachloroethene | 9.34 | 164 | 127636 | 43.35 ug/l | 94 |
| 65) Chlorobenzene | 10.14 | 112 | 356313 | 46.44 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 133471 | 49.49 ug/l | 99 |
| 67) Ethyl Benzene | 10.26 | 91 | 604508 | 49.63 ug/l | 96 |
| 68) m/p-Xylenes | 10.36 | 106 | 468609 | 98.45 ug/l | 95 |
| 69) o-Xylene | 10.70 | 106 | 228121 | 52.18 ug/l | 99 |
| 70) Styrene | 10.71 | 104 | 384348 | 47.13 ug/l | 100 |
| 71) Bromoform | 10.86 | 173 | 120260 | 52.08 ug/l | 96 |
| 73) Isopropylbenzene | 11.02 | 105 | 615171 | 57.51 ug/l | 99 |
| 74) N-amyl acetate | 10.90 | 43 | 175700 | 30.59 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 225192 | 51.72 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.30 | 75 | 194795m | 51.21 ug/l | |
| 77) Bromobenzene | 11.26 | 156 | 169595 | 54.59 ug/l | 97 |
| 78) n-propylbenzene | 11.36 | 91 | 695353 | 56.66 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 423883 | 55.41 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 524922 | 53.56 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75 | 39719 | 29.34 ug/l | 99 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 495159 | 54.99 ug/l | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 530435 | 60.23 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 541563 | 53.58 ug/l | 99 |
| 85) sec-Butylbenzene | 11.94 | 105 | 612815 | 57.13 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.07 | 119 | 552339 | 56.83 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 307120 | 52.94 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 314203 | 52.47 ug/l | 100 |
| 89) n-Butylbenzene | 12.39 | 91 | 464459 | 52.62 ug/l | 99 |
| 90) Hexachloroethane | 12.60 | 117 | 96412 | 59.58 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.40 | 146 | 319013 | 52.62 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 55244 | 57.79 ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 232640 | 54.70 ug/l | 100 |

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
Data File : VX005278.D
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Operator : JC/MD
Sample : J5317-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

Quant Time: Oct 12 08:14:35 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) |
|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 13.79 | 225 | 108649 | 49.27 | ug/l | 99 |
| 95) Naphthalene | 13.83 | 128 | 766518 | 54.24 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 247821 | 56.41 | ug/l | 99 |

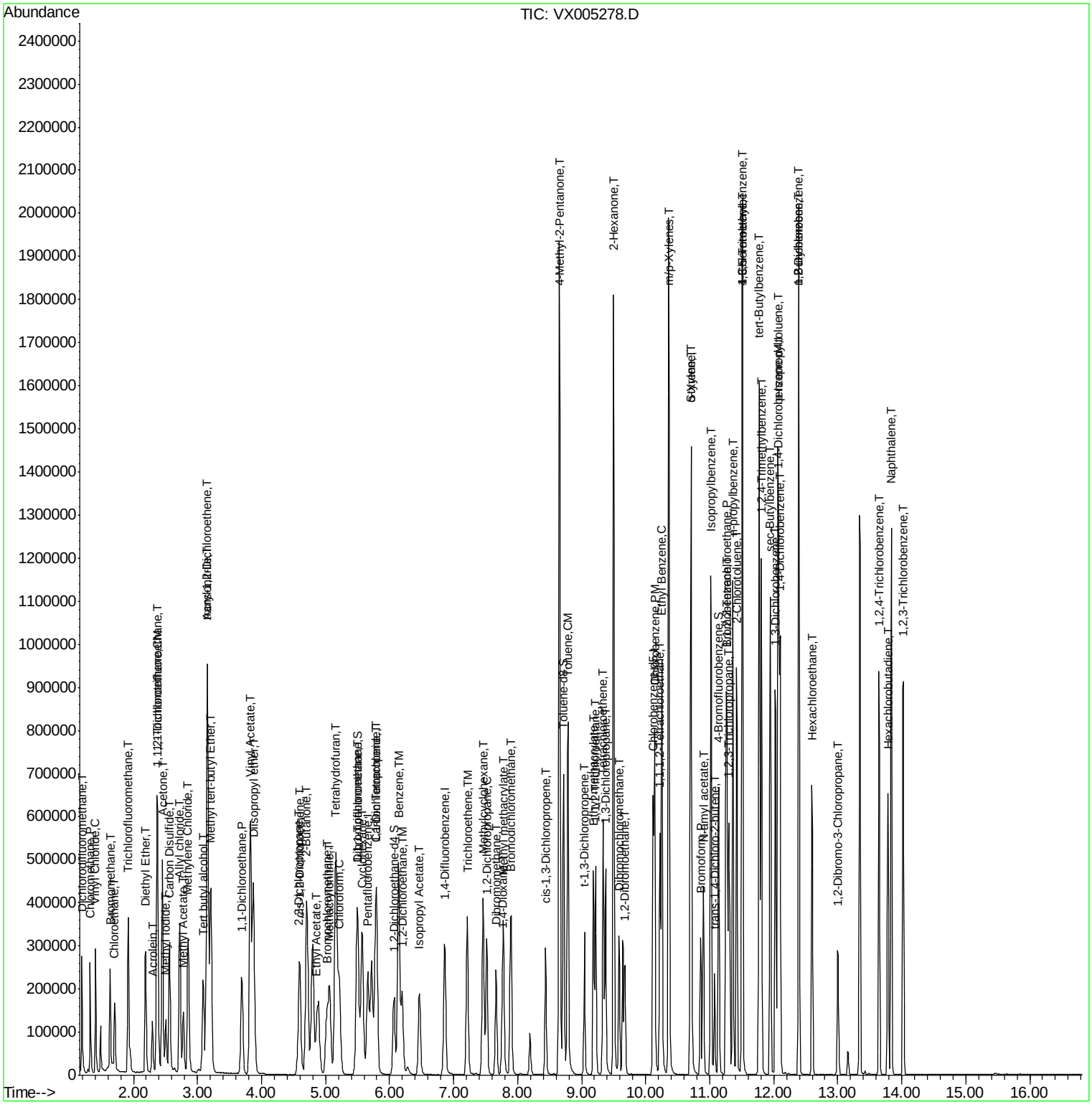
(#) = qualifier out of range (m) = manual integration (+) = signals summed

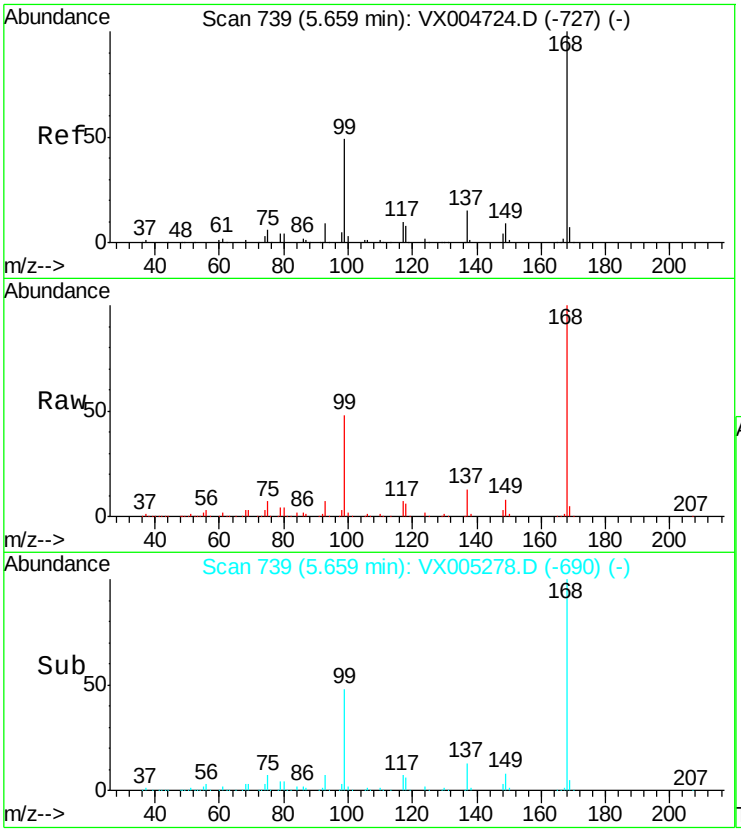
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
Data File : VX005278.D
Acq On : 12 Oct 2018 02:15
Operator : JC/MD
Sample : J5317-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 12 08:14:35 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 :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM





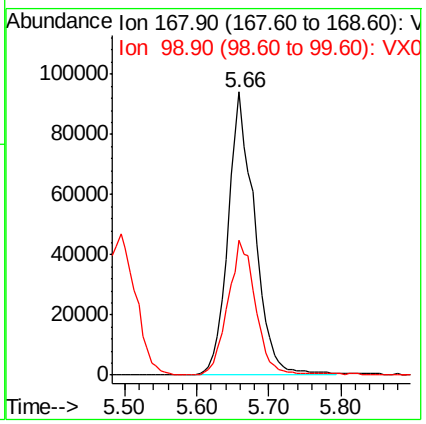

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

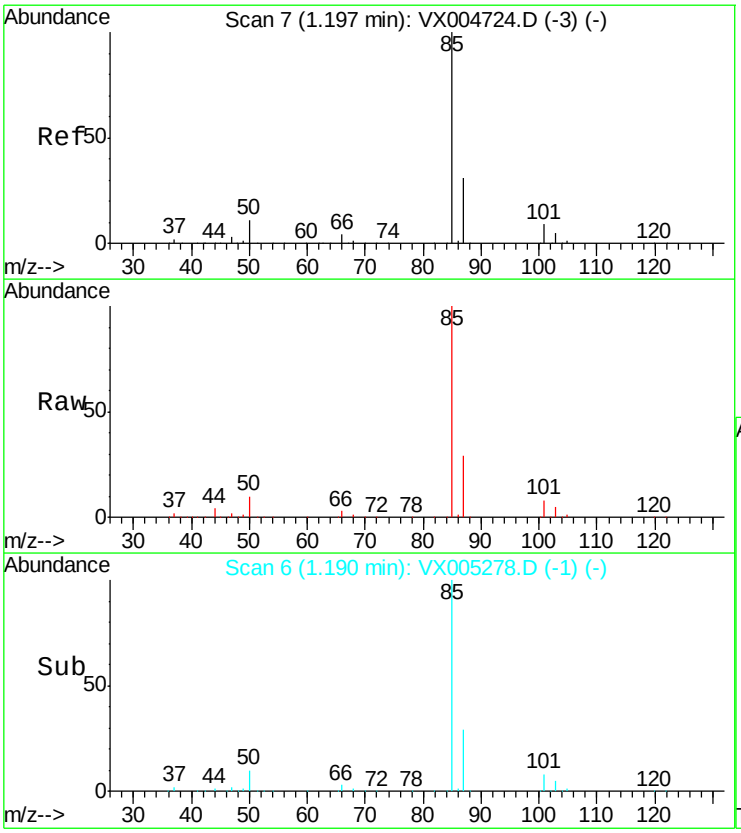
Tgt Ion:168 Resp: 241603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.8 | 39.3 | 58.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

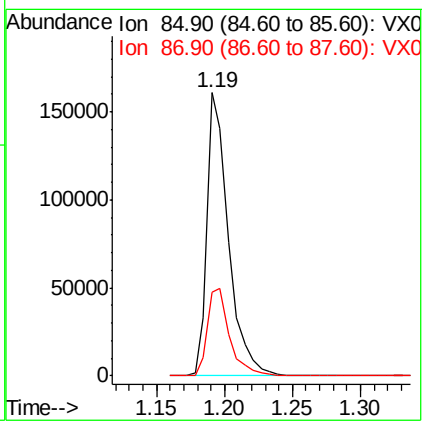


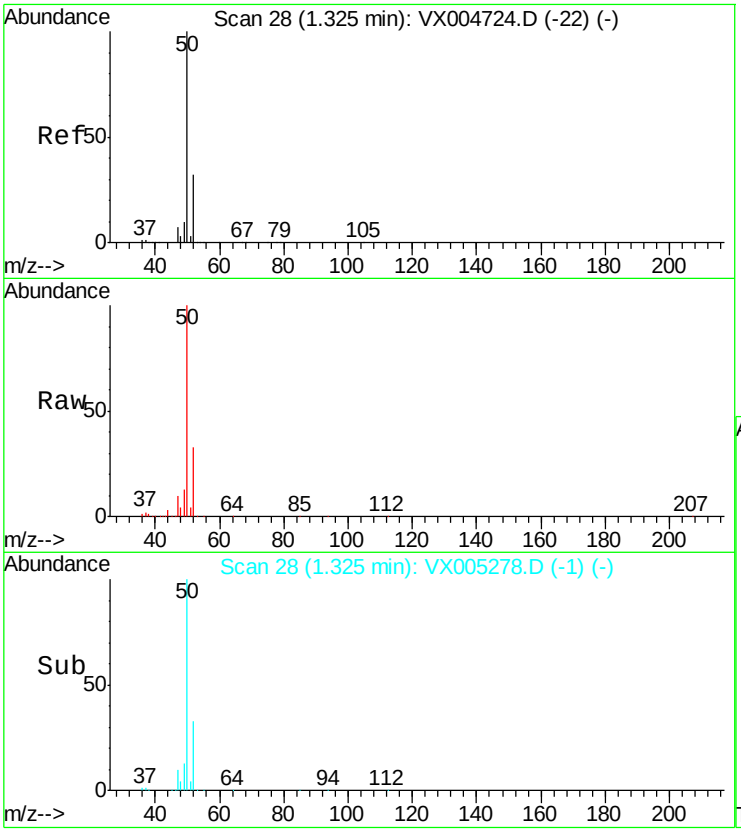




#2
Dichlorodifluoromethane
Concen: 53.39 ug/l
RT: 1.19 min Scan# 6
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 85 Resp: 175885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.4 | 15.7 | 47.1 |

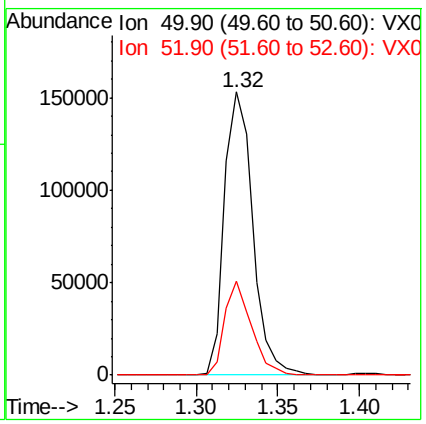





#3
Chloromethane
Concen: 46.49 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 50 Resp: 185818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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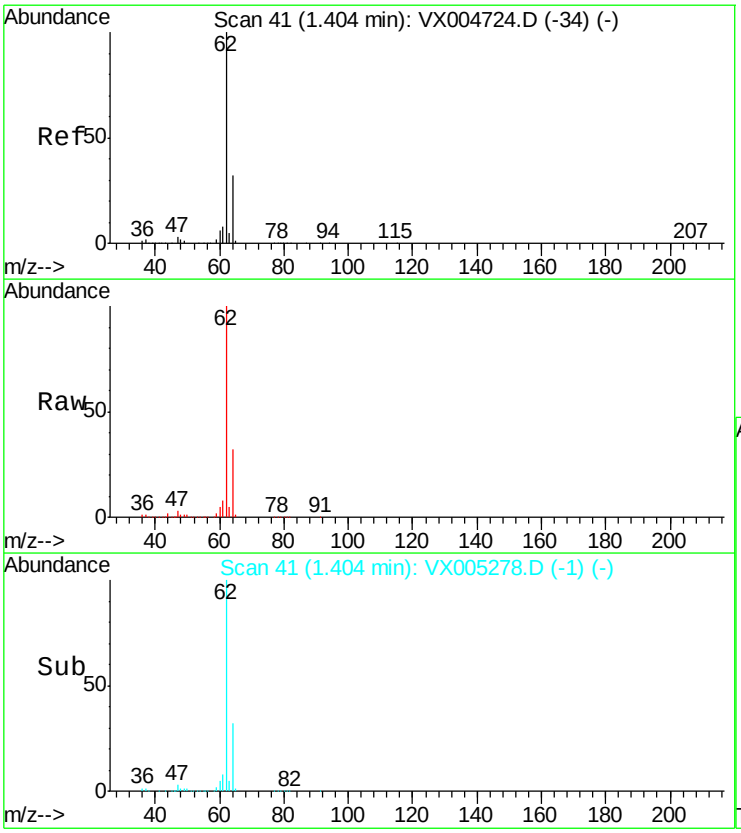
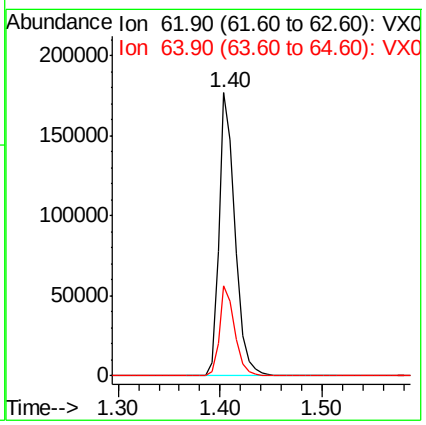
10/12/2018 2:34:12 PM

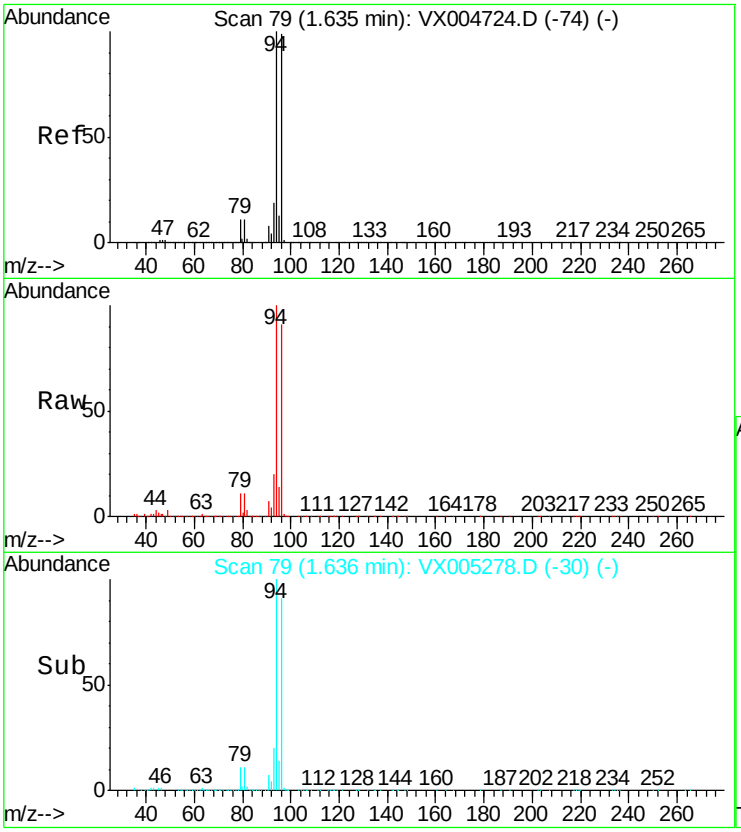



#4
Vinyl Chloride
Concen: 51.83 ug/l
RT: 1.40 min Scan# 41
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 62 Resp: 194280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 25.5 | 38.3 |

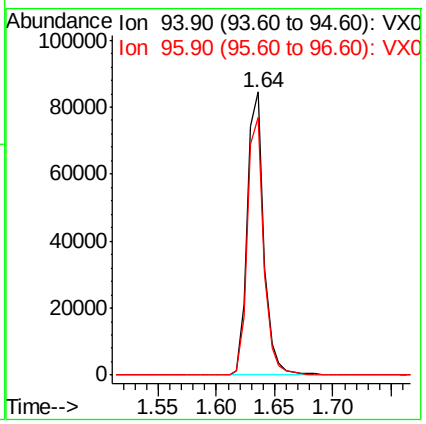





#5
Bromomethane
Concen: 37.71 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

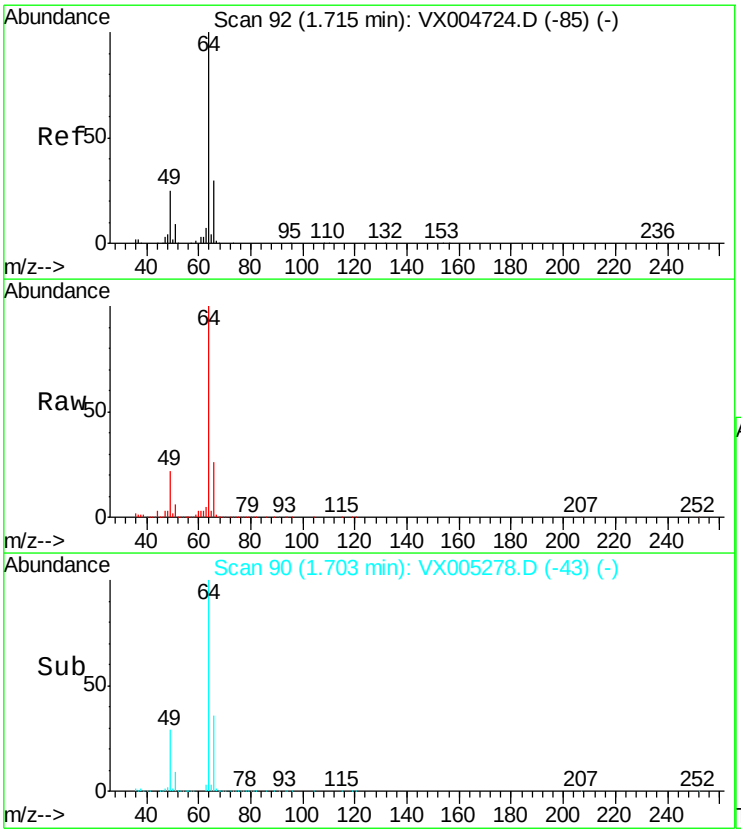
Tgt Ion: 94 Resp: 83822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.3 | 79.5 | 119.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

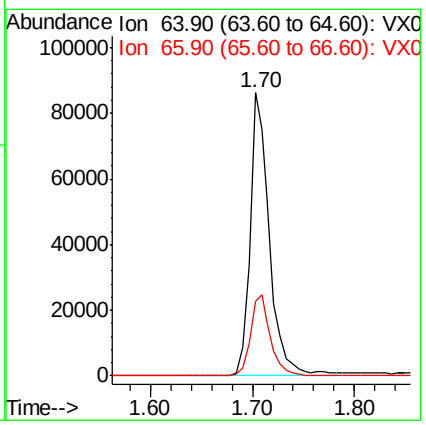
**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

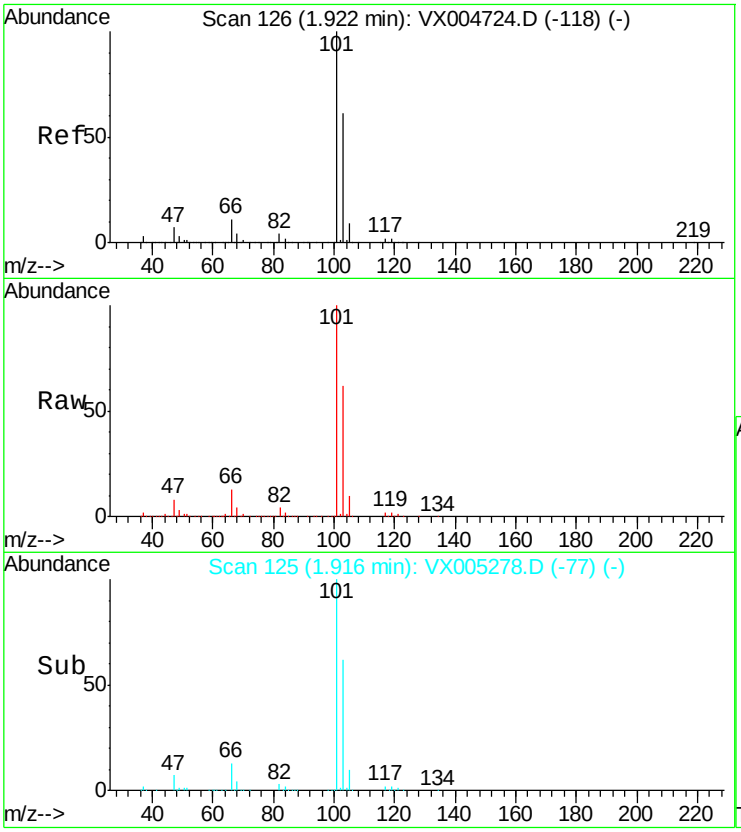



#6
Chloroethane
Concen: 55.61 ug/l
RT: 1.70 min Scan# 90
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 64 Resp: 113066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 26.3 | 23.8 | 35.6 |

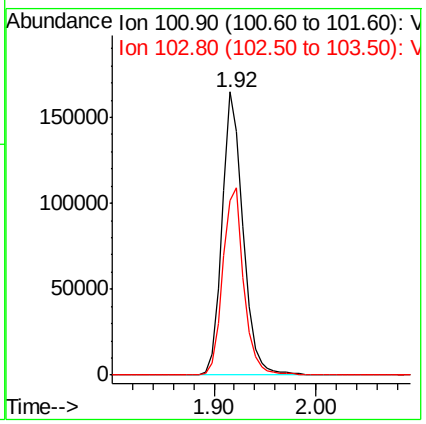





#7
Trichlorofluoromethane
Concen: 50.43 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

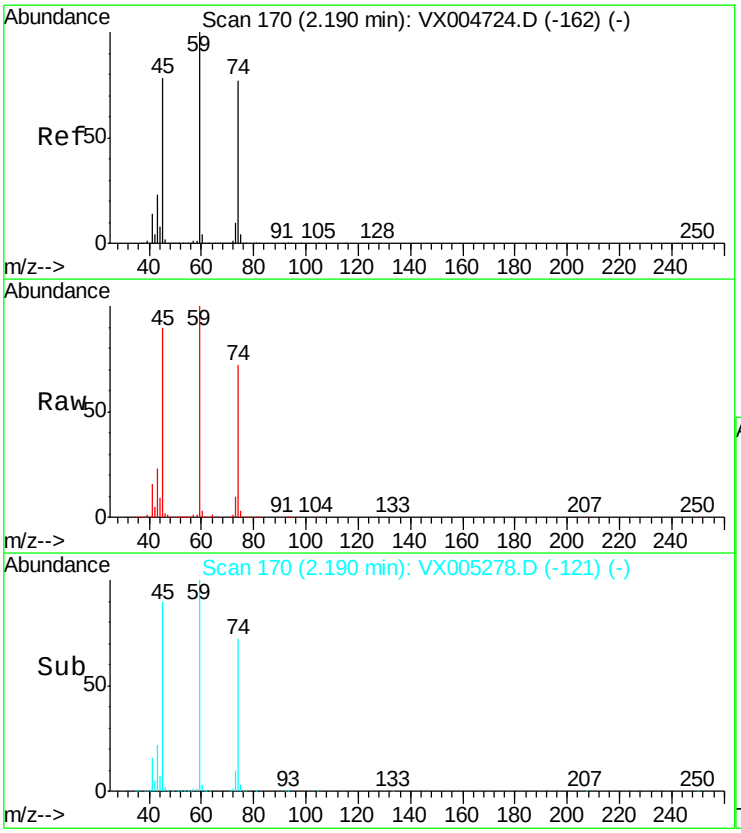
Tgt Ion:101 Resp: 234013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.6 | 48.4 | 72.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

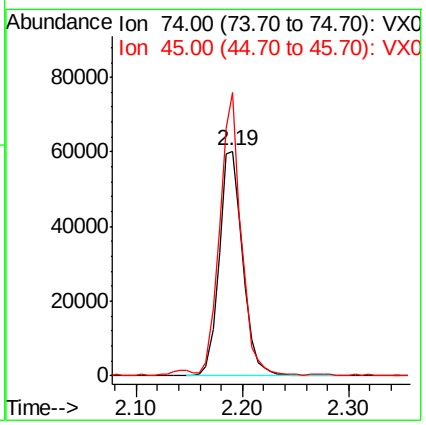
**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

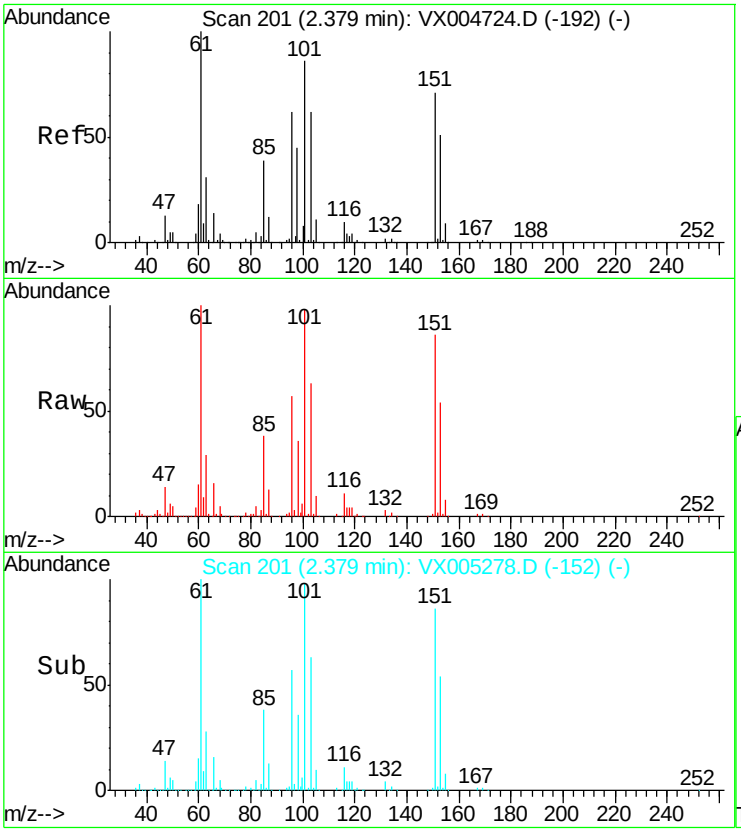



#8
Diethyl Ether
Concen: 45.93 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 74 Resp: 92591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 112.8 | 52.5 | 157.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.01 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:101 Resp: 121625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.9 | 53.9 |
| 151 | 85.1 | 66.6 | 100.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
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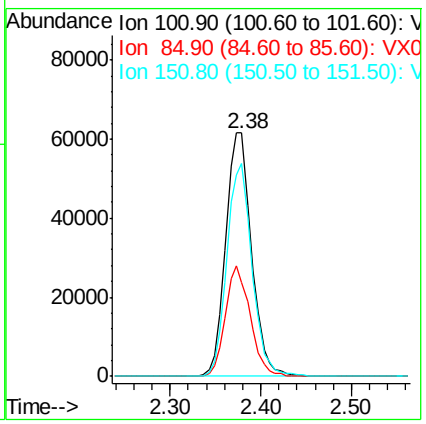
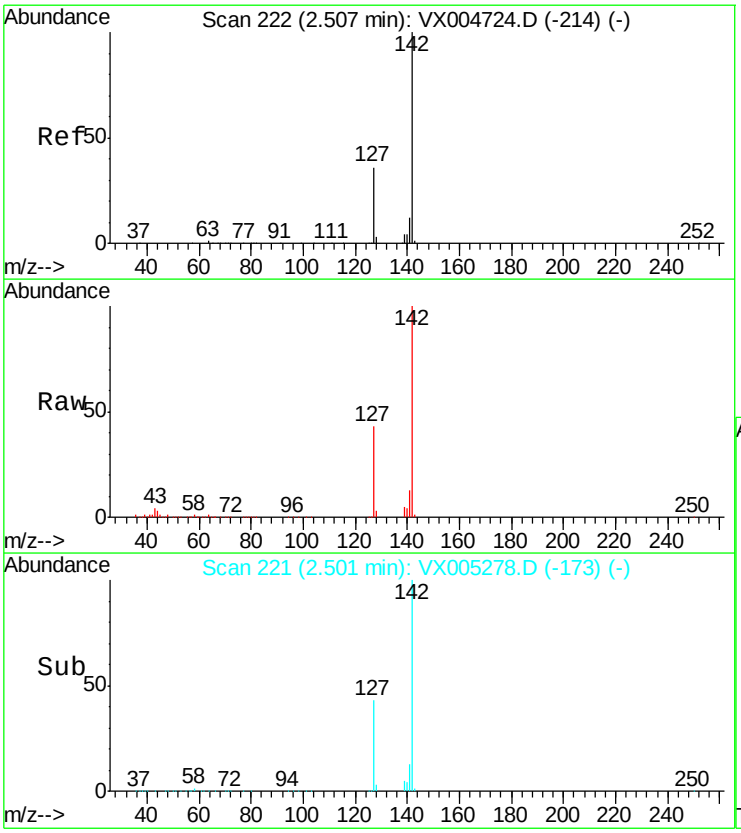
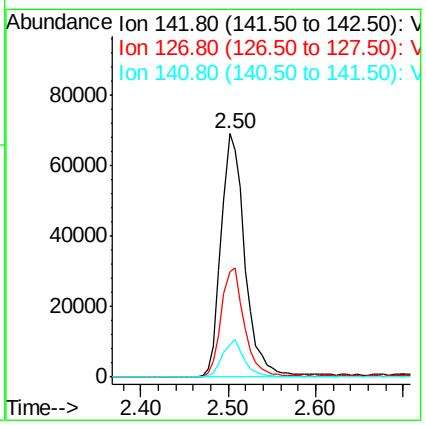


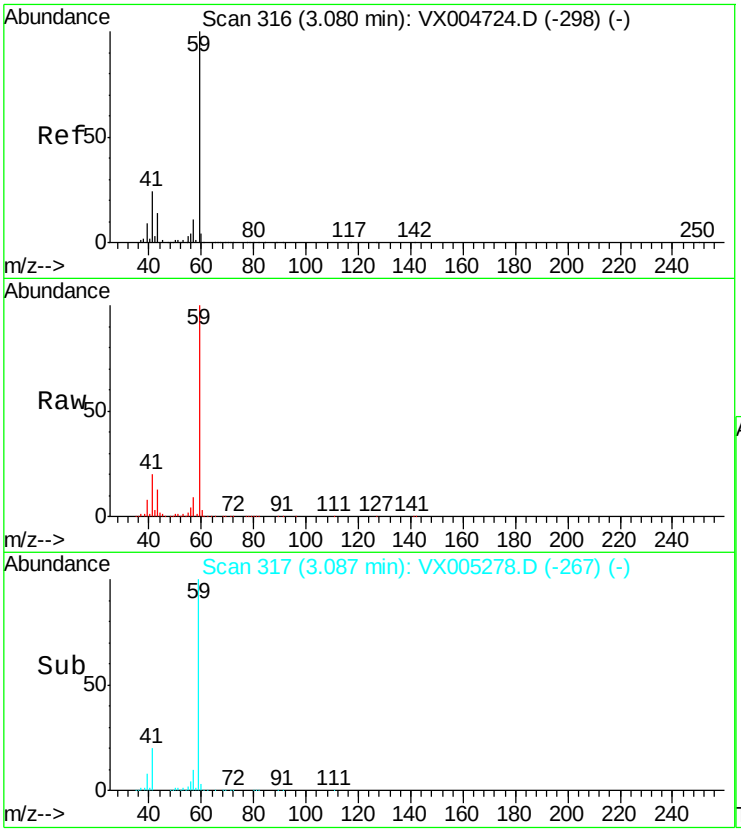




#10
Methyl Iodide
Concen: 37.16 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:142 Resp: 131431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 43.5 | 30.1 | 45.1 |
| 141 | 14.3 | 10.1 | 15.1 |






#11
Tert butyl alcohol
Concen: 268.22 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 59 Resp: 258835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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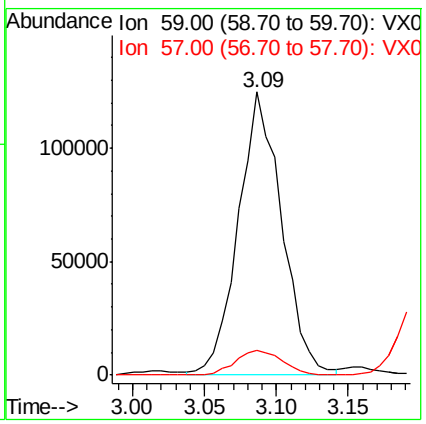
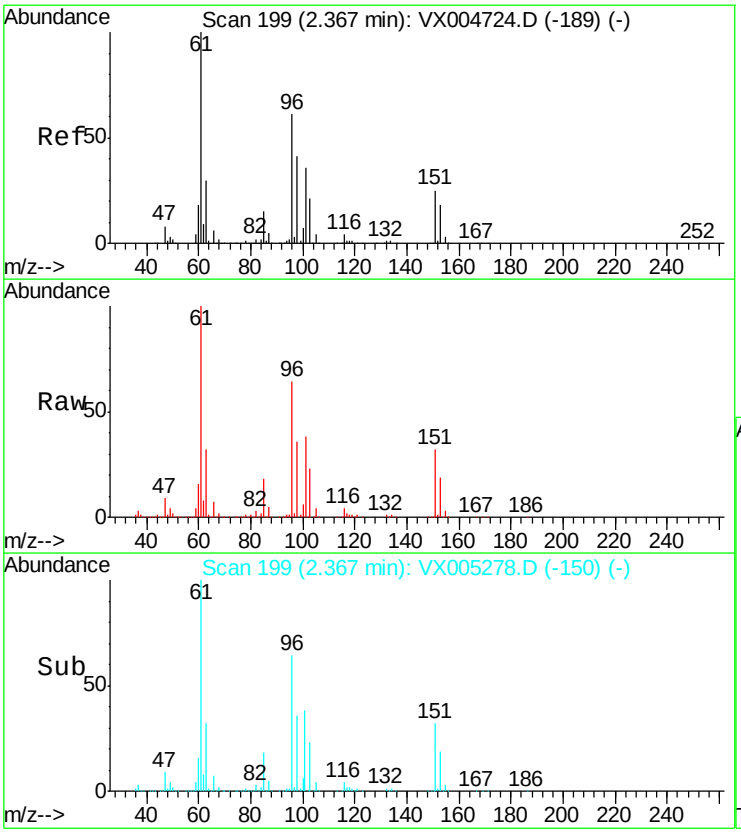
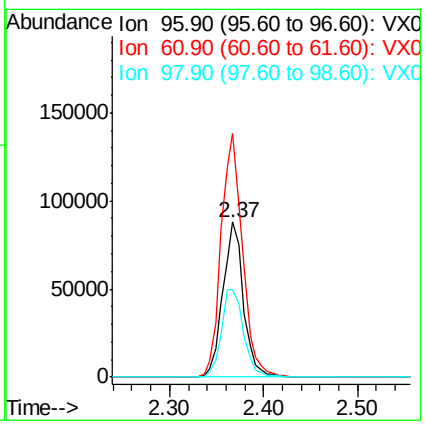


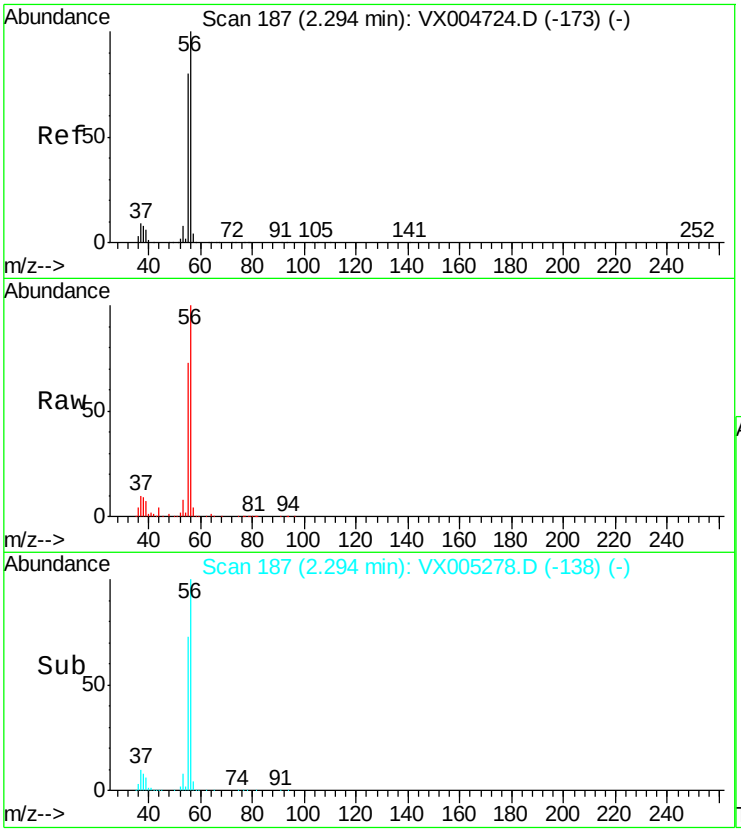




#12
1,1-Dichloroethene
Concen: 50.66 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 96 Resp: 132621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.0 | 130.2 | 195.4 |
| 98 | 56.8 | 53.4 | 80.0 |






#13
Acrolein
Concen: 132.44 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 56 Resp: 90935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.0 | 63.4 | 95.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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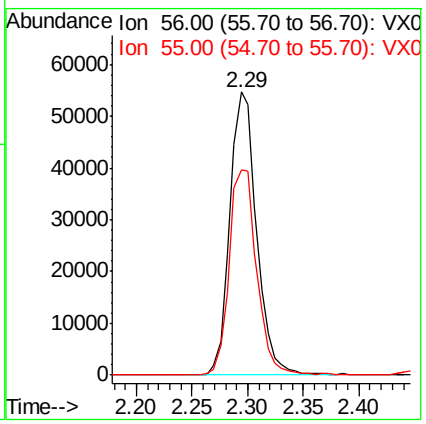
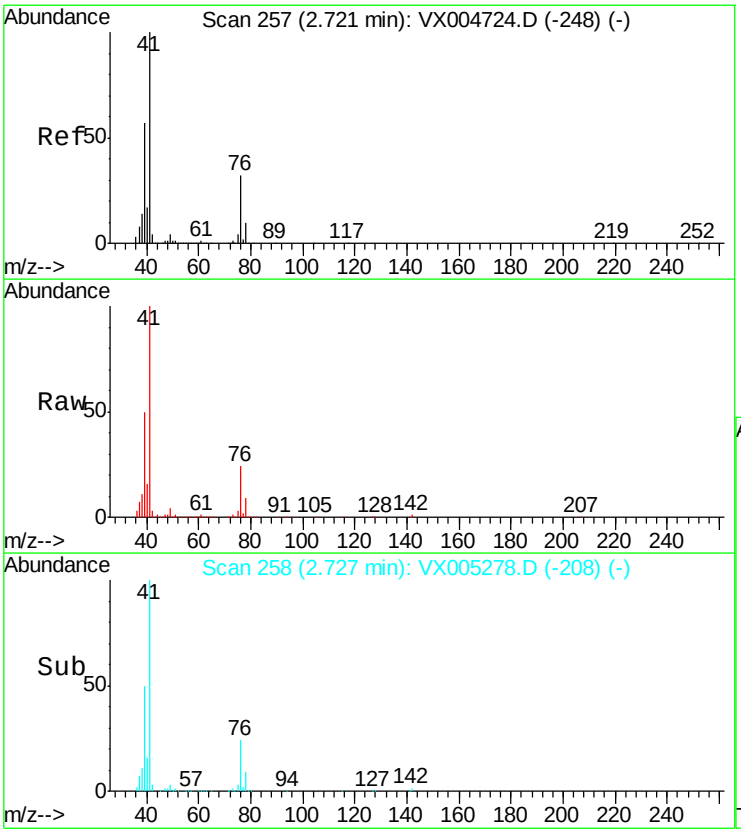
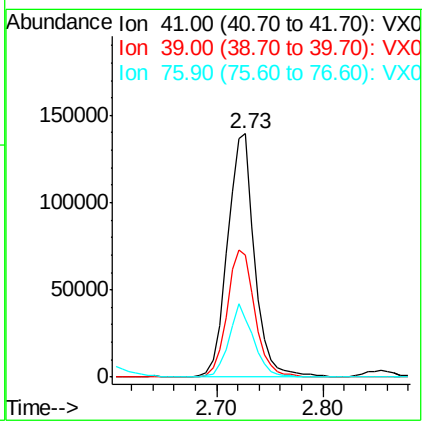


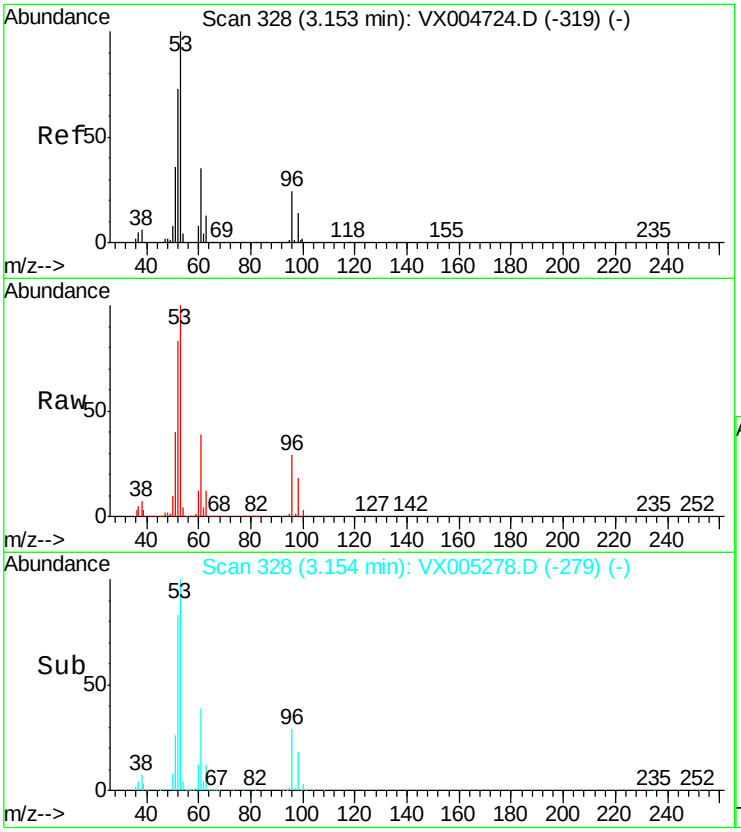




#14
Allyl chloride
Concen: 43.38 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 41 Resp: 247782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.3 | 44.1 | 66.1 |
| 76 | 27.1 | 25.0 | 37.4 |

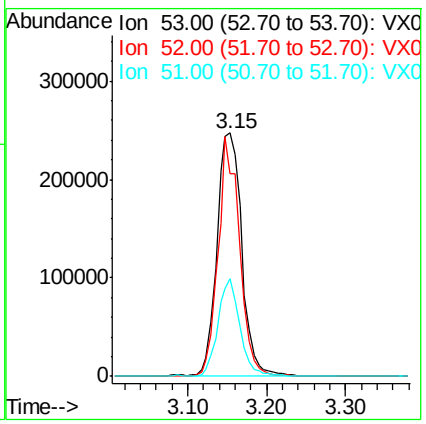





#15
Acrylonitrile
Concen: 254.13 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 53 Resp: 539872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.8 | 63.0 | 94.4 |
| 51 | 35.8 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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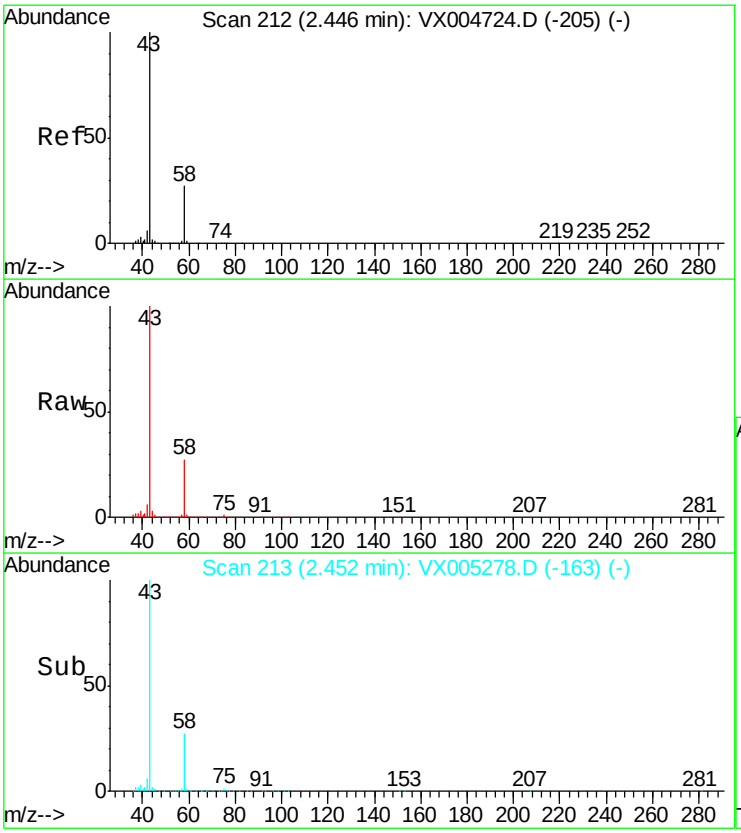
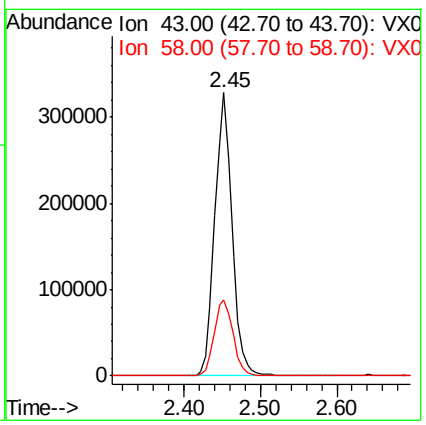
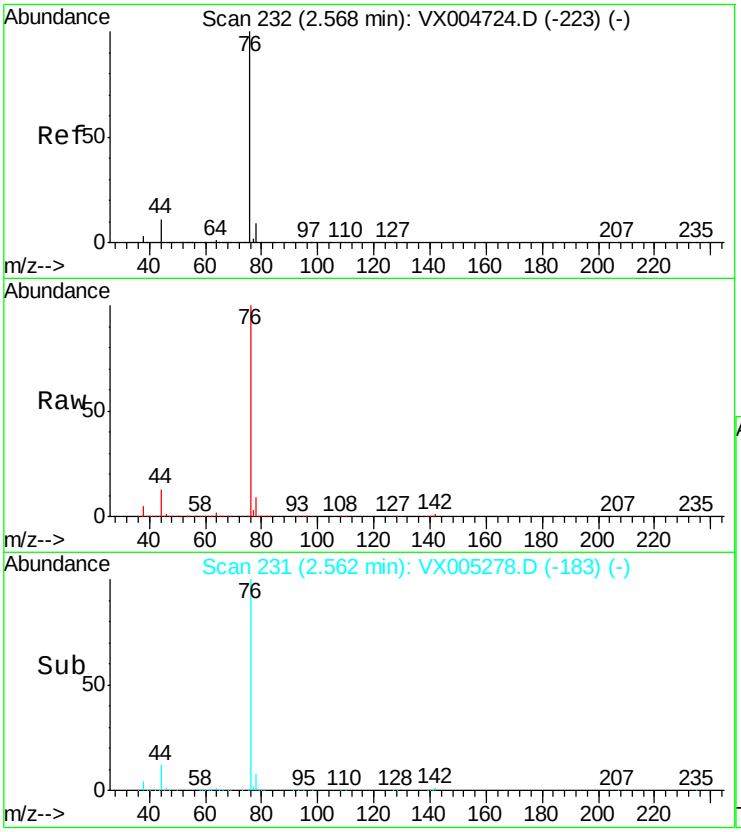



#16
Acetone
Concen: 254.69 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 513184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.0 | 21.8 | 32.6 |






#17
Carbon Disulfide
Concen: 47.59 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 76 Resp: 374368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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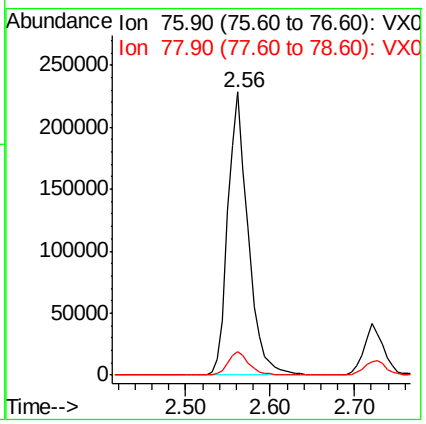
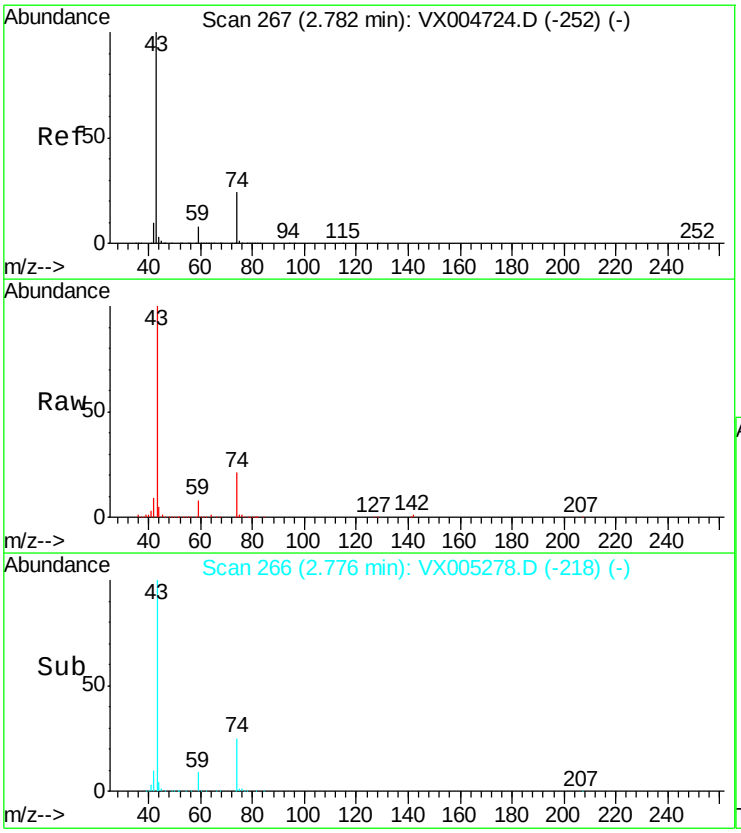
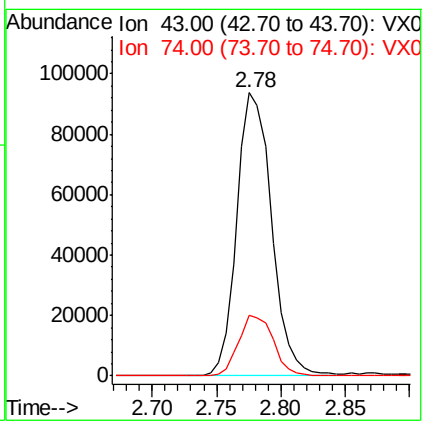


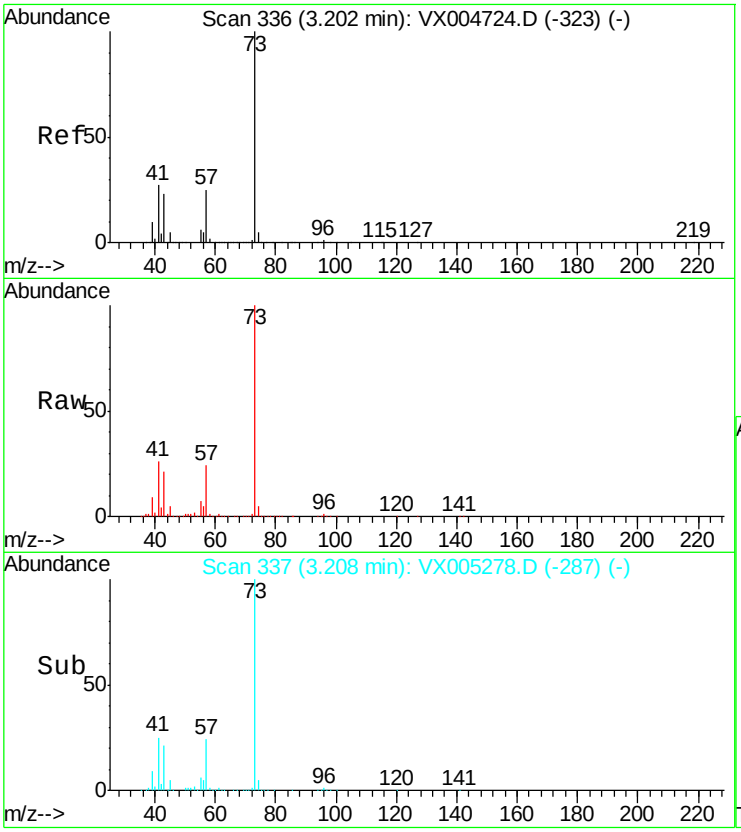




#18
Methyl Acetate
Concen: 34.02 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 173678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.3 | 17.8 | 26.8 |






#19
Methyl tert-butyl Ether
Concen: 51.48 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 73 Resp: 464836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.8 | 19.9 | 29.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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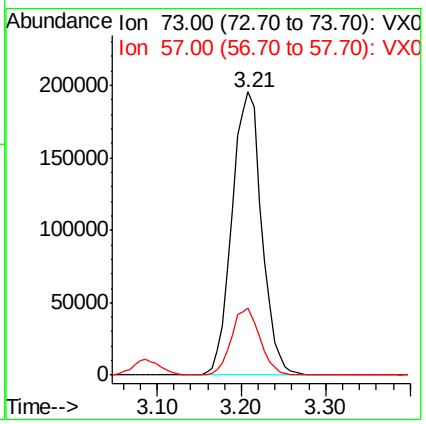
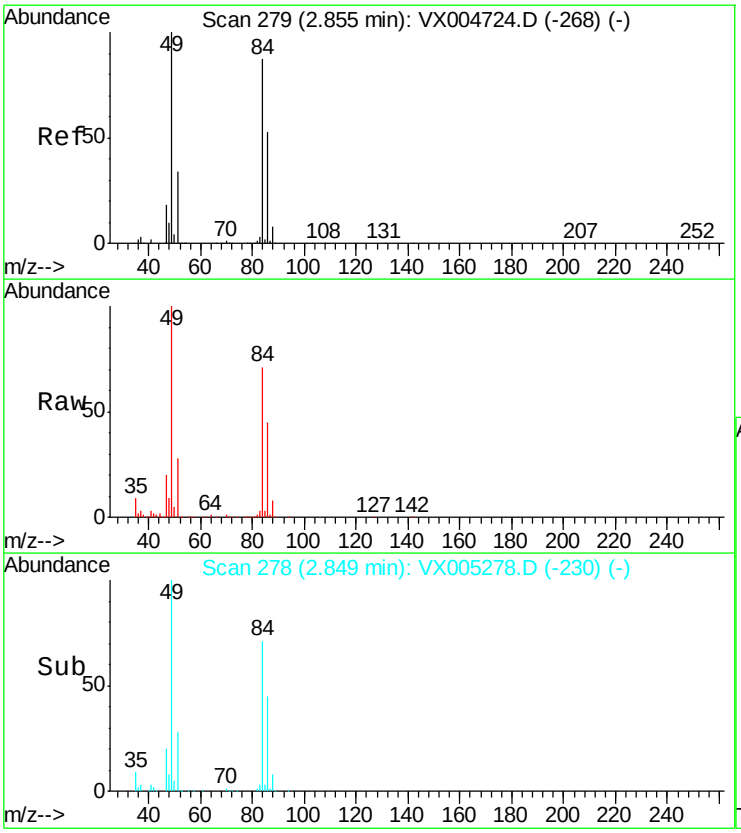
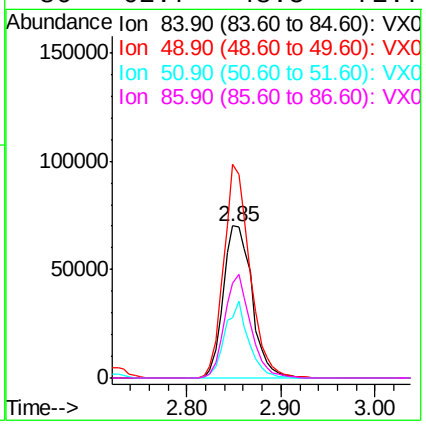


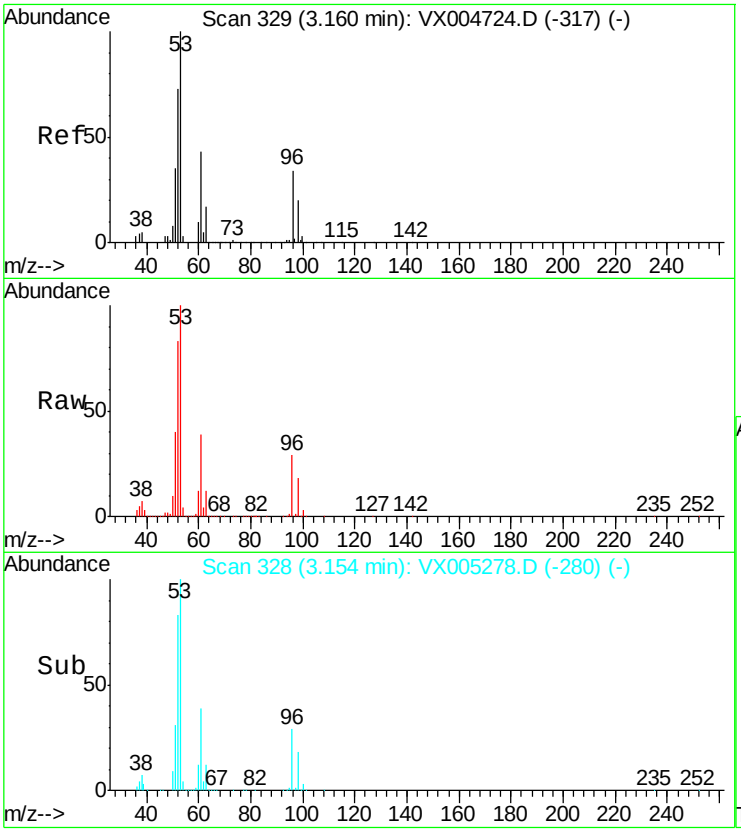




#20
Methylene Chloride
Concen: 50.68 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 84 Resp: 148441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.5 | 92.3 | 138.5# |
| 51 | 39.4 | 31.8 | 47.6 |
| 86 | 62.7 | 48.5 | 72.7 |

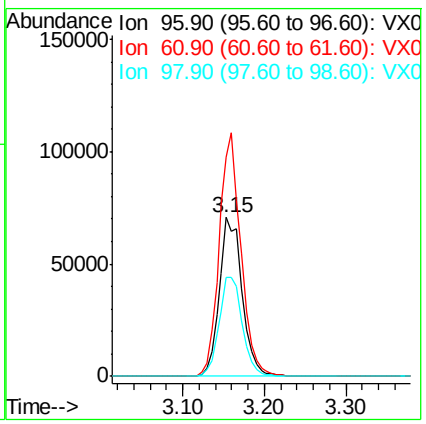





#21
trans-1,2-Dichloroethene
Concen: 47.73 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 96 Resp: 136767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.0 | 101.0 | 151.6 |
| 98 | 62.8 | 47.2 | 70.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

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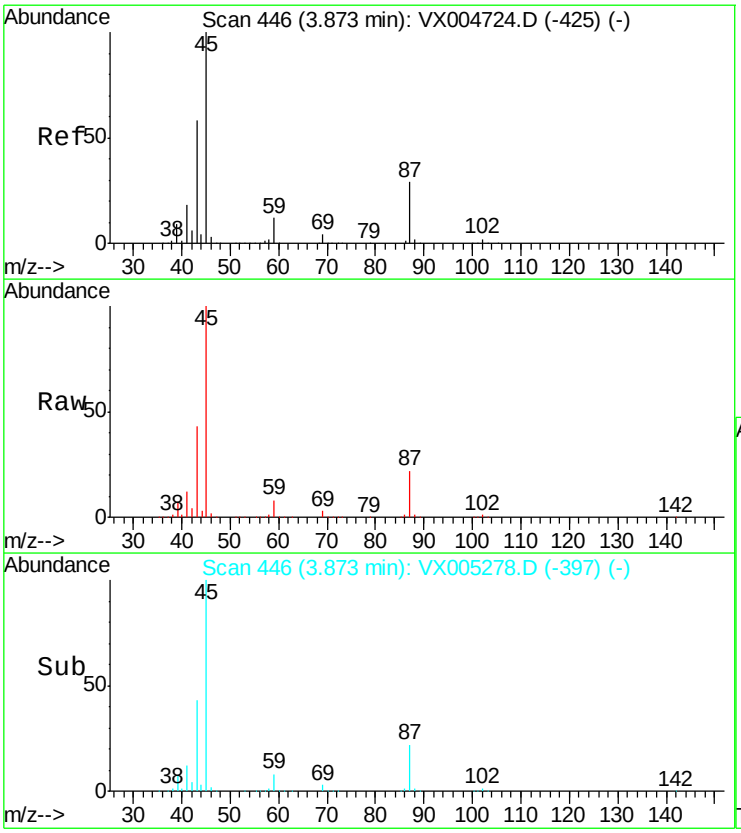
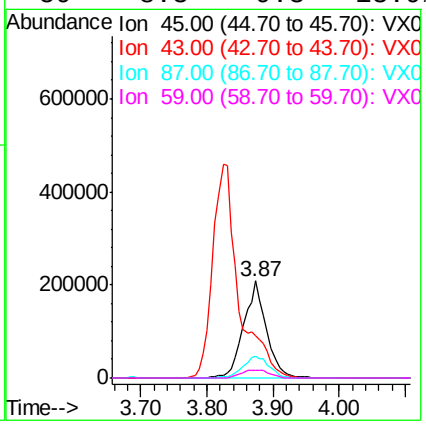
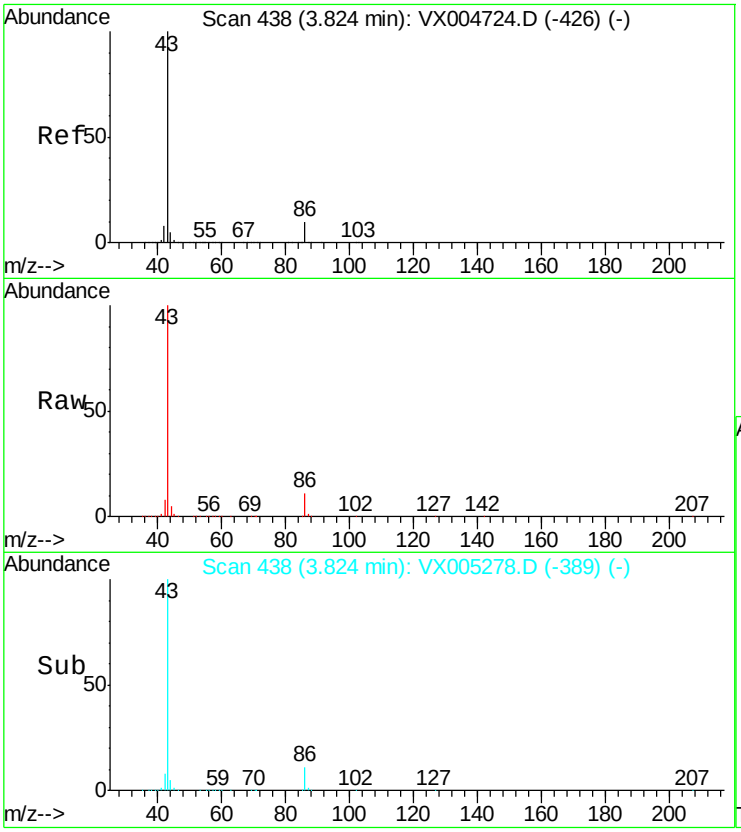



#22
Diisopropyl ether
Concen: 51.63 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 45 Resp: 496582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 42.9 | 46.7 | 70.1# |
| 87 | 22.1 | 22.9 | 34.3# |
| 59 | 8.3 | 9.3 | 13.9# |






#23
Vinyl Acetate
Concen: 141.97 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 1249929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 8.1 | 12.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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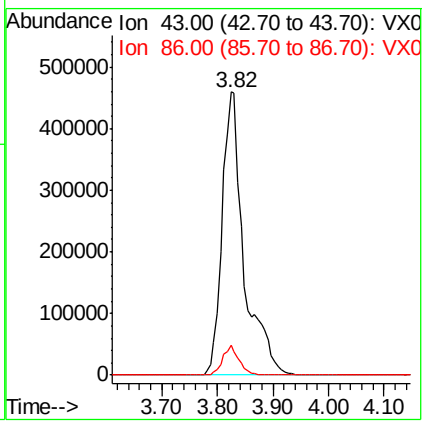
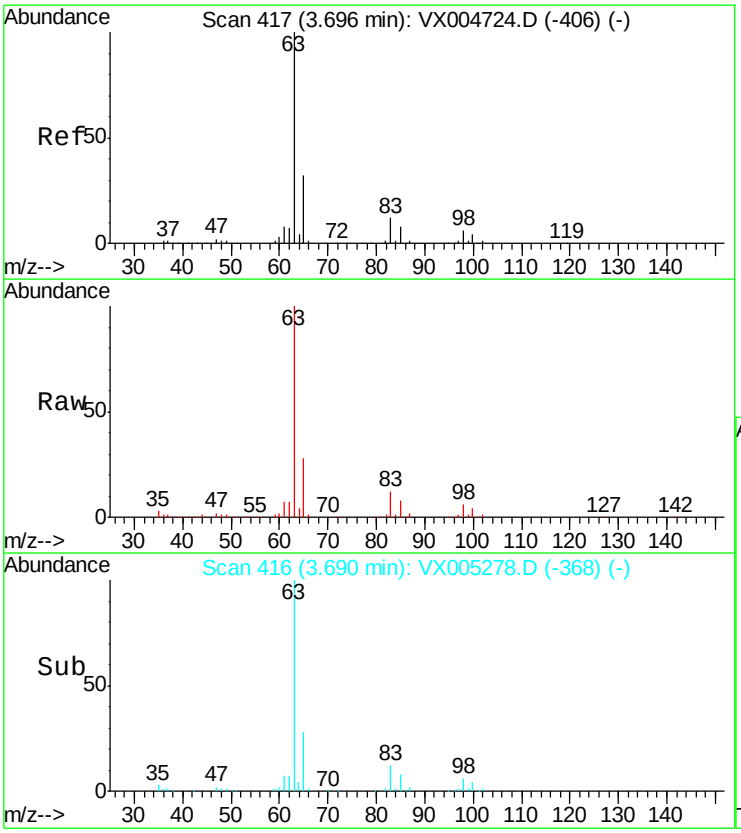
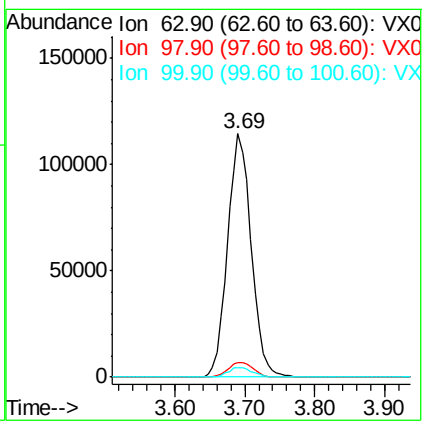


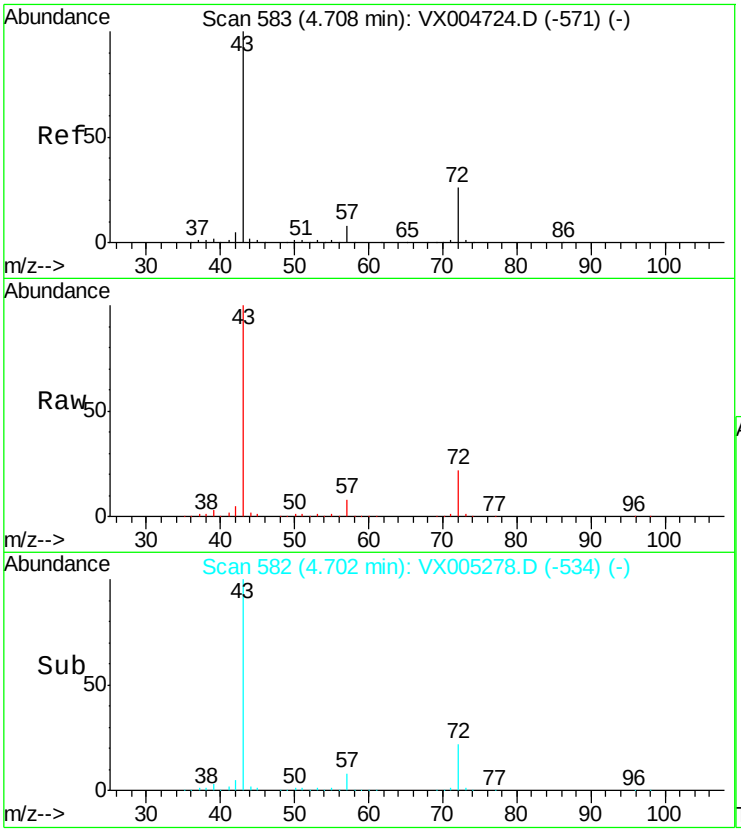




#24
1,1-Dichloroethane
Concen: 46.92 ug/l
RT: 3.69 min Scan# 416
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 63 Resp: 269205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.0 | 9.2 |
| 100 | 3.8 | 2.0 | 5.8 |






#25
2-Butanone
Concen: 246.08 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 730879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.4 | 20.8 | 31.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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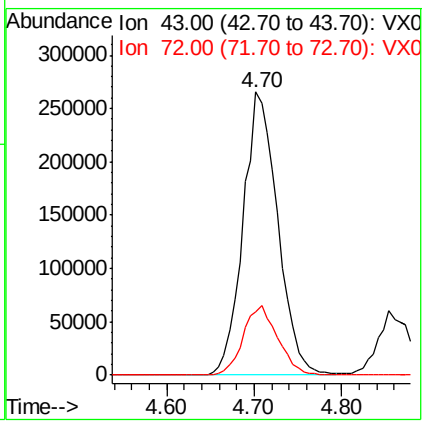
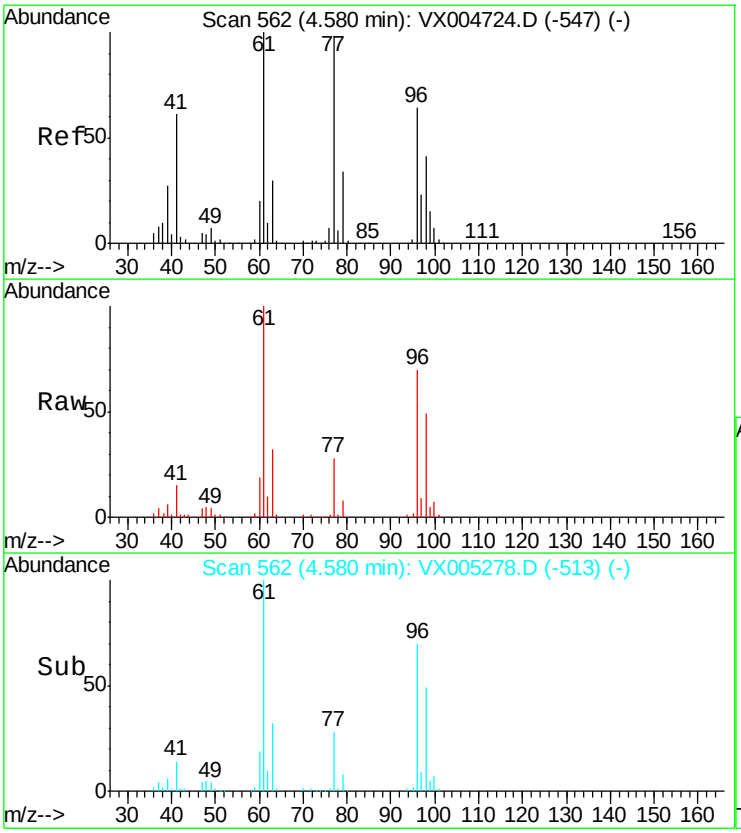
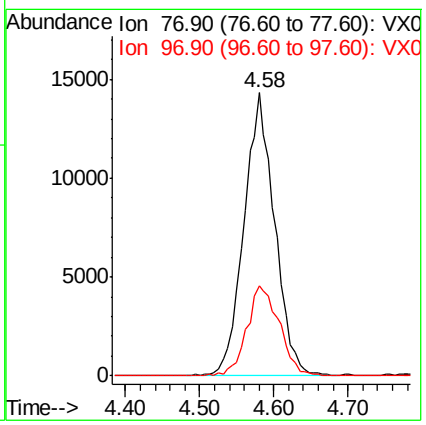


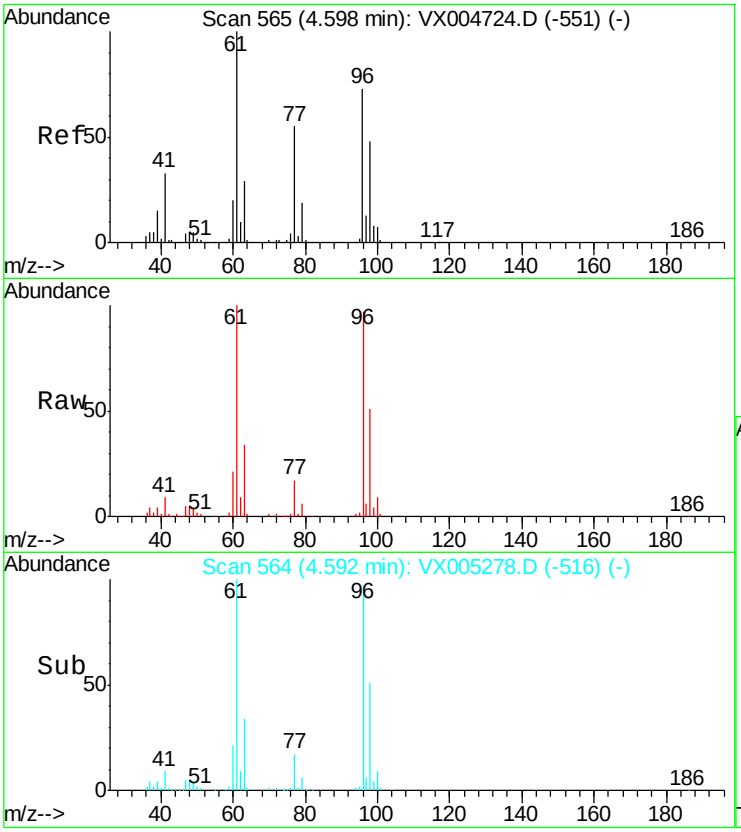




#26
2,2-Dichloropropane
Concen: 10.36 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 77 Resp: 41379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 33.7 | 12.6 | 37.8 |

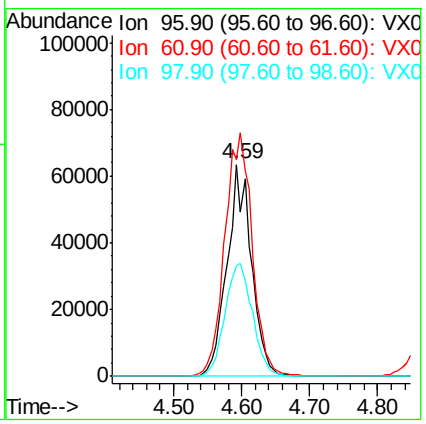





#27
cis-1,2-Dichloroethene
Concen: 49.27 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 96 Resp: 157747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.0 | 0.0 | 285.8 |
| 98 | 59.9 | 0.0 | 136.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

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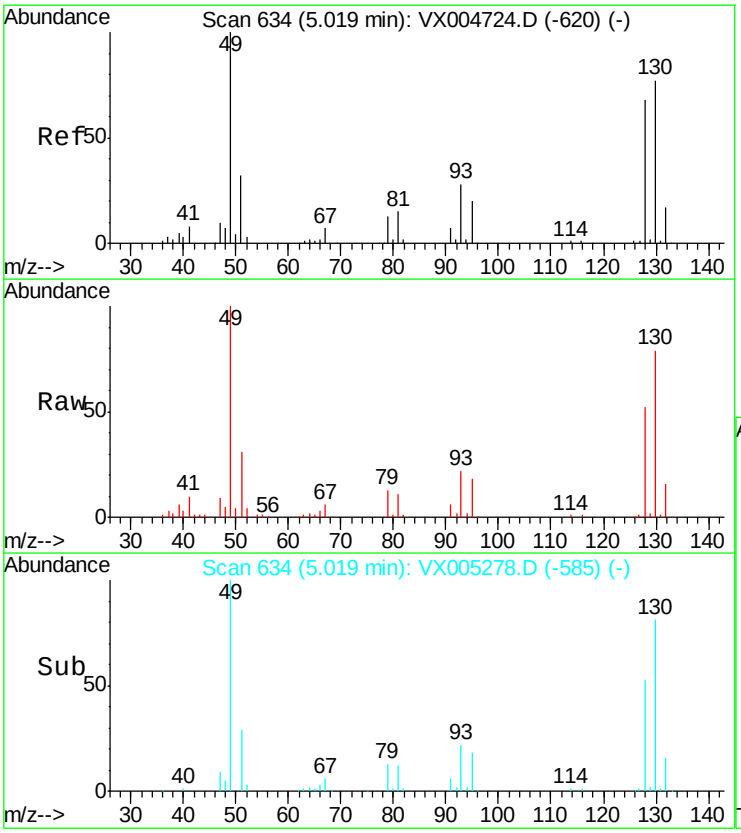
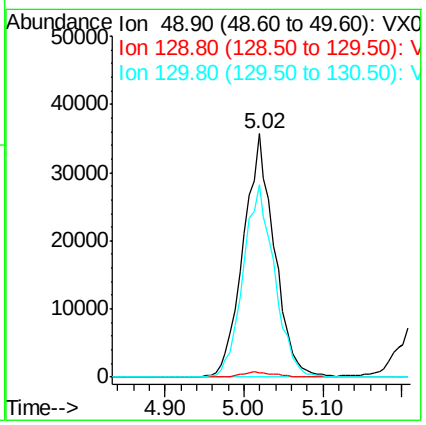
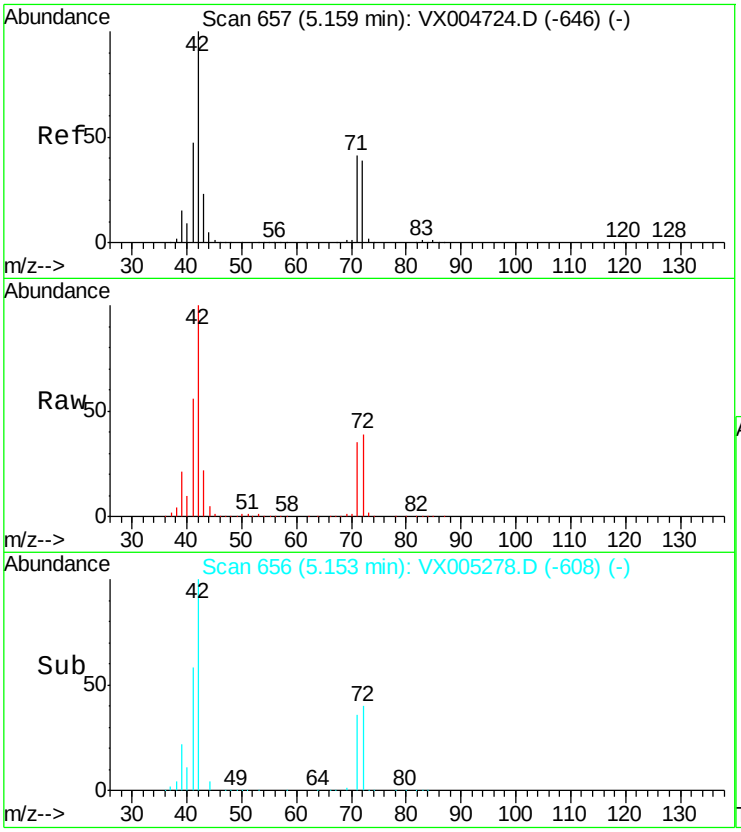



#28
Bromochloromethane
Concen: 36.16 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 49 Resp: 97698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.2 |
| 130 | 79.4 | 62.0 | 93.0 |

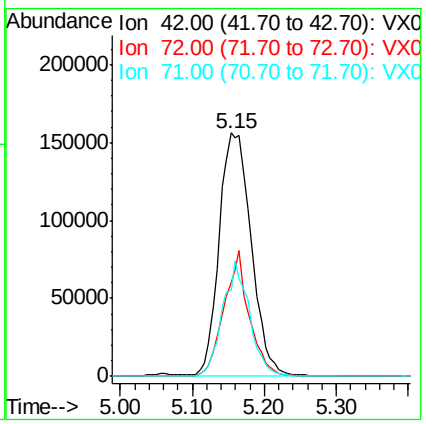





#29
Tetrahydrofuran
Concen: 260.90 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 42 Resp: 481622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.9 | 33.7 | 50.5 |
| 71 | 40.0 | 32.2 | 48.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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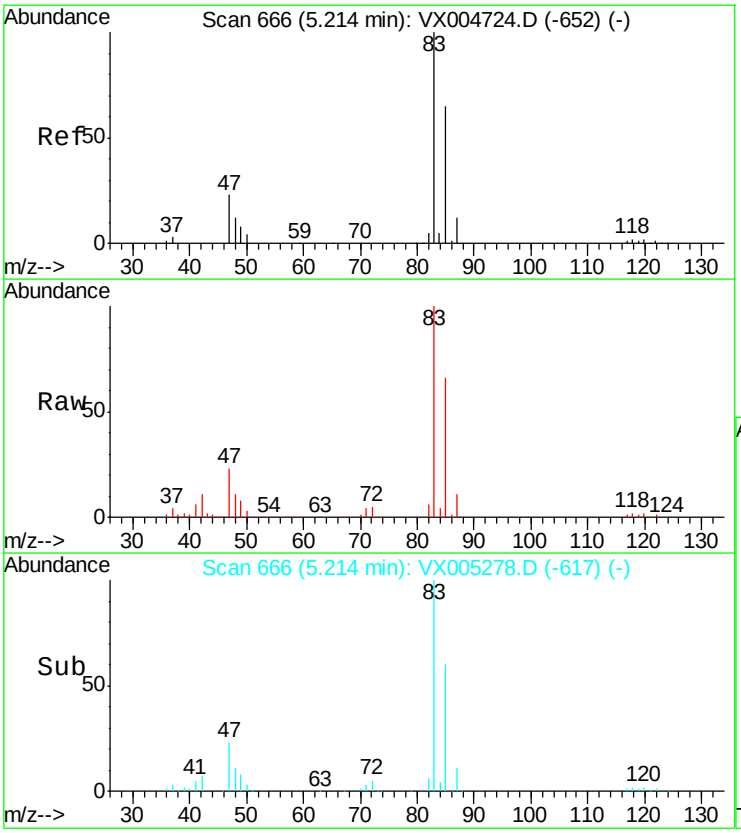
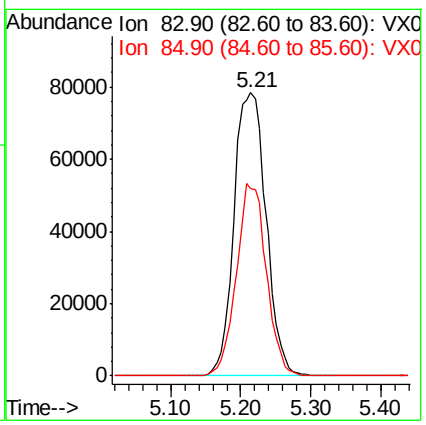
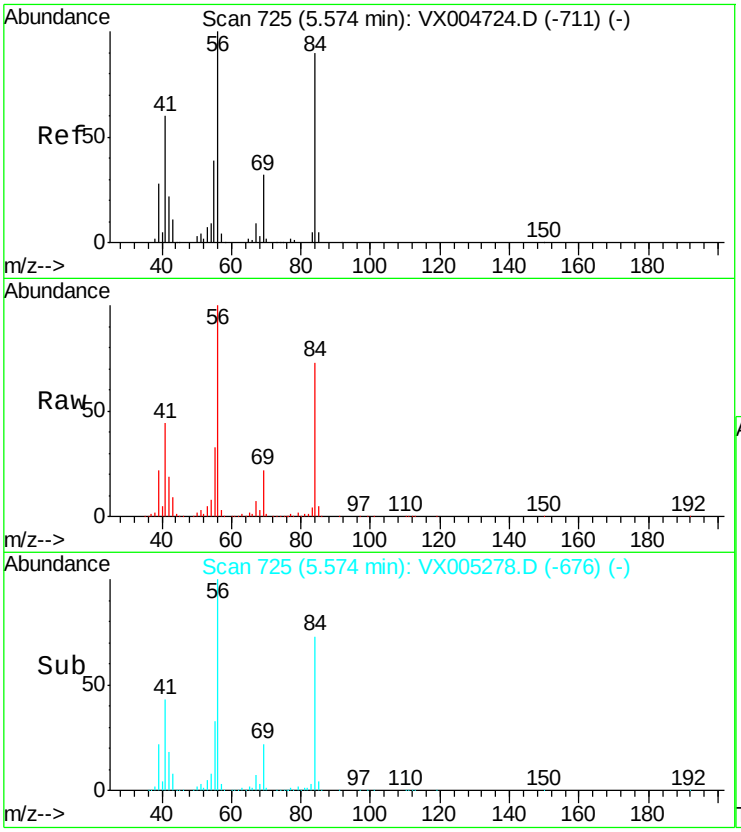



#30
Chloroform
Concen: 46.02 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 83 Resp: 249563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 52.4 | 78.6 |






#31
Cyclohexane
Concen: 53.08 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 56 Resp: 233072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 22.2 | 25.9 | 38.9# |
| 84 | 72.0 | 71.9 | 107.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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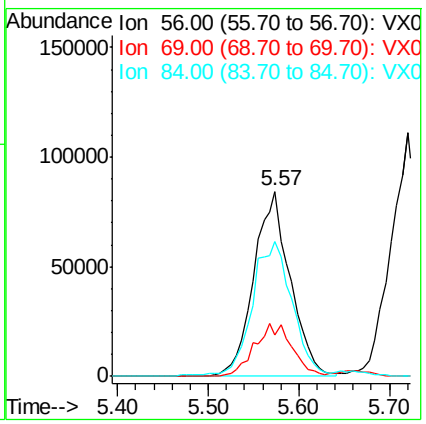
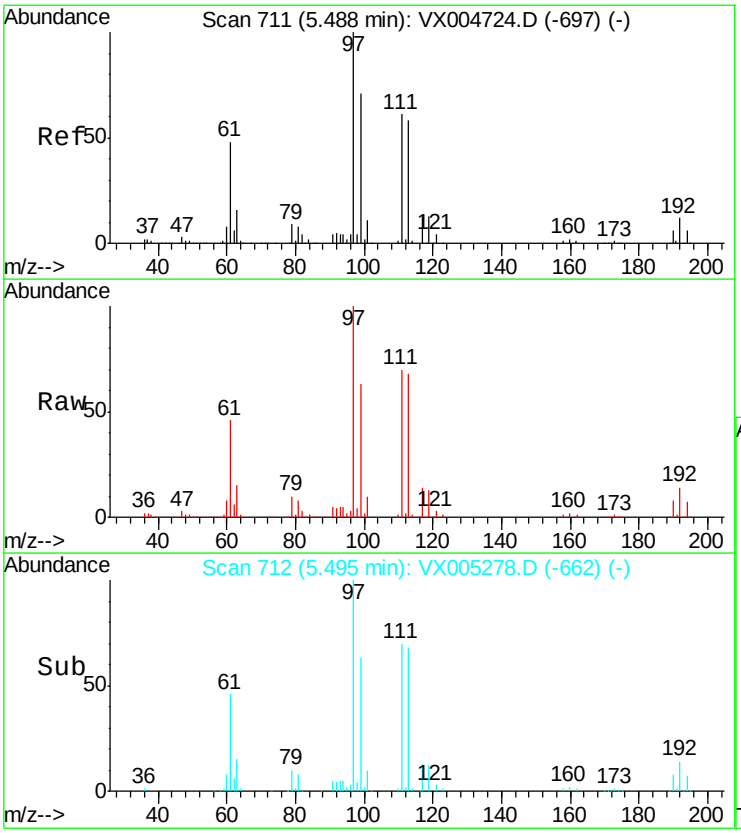
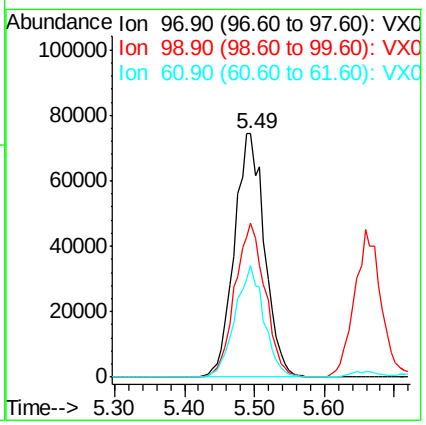


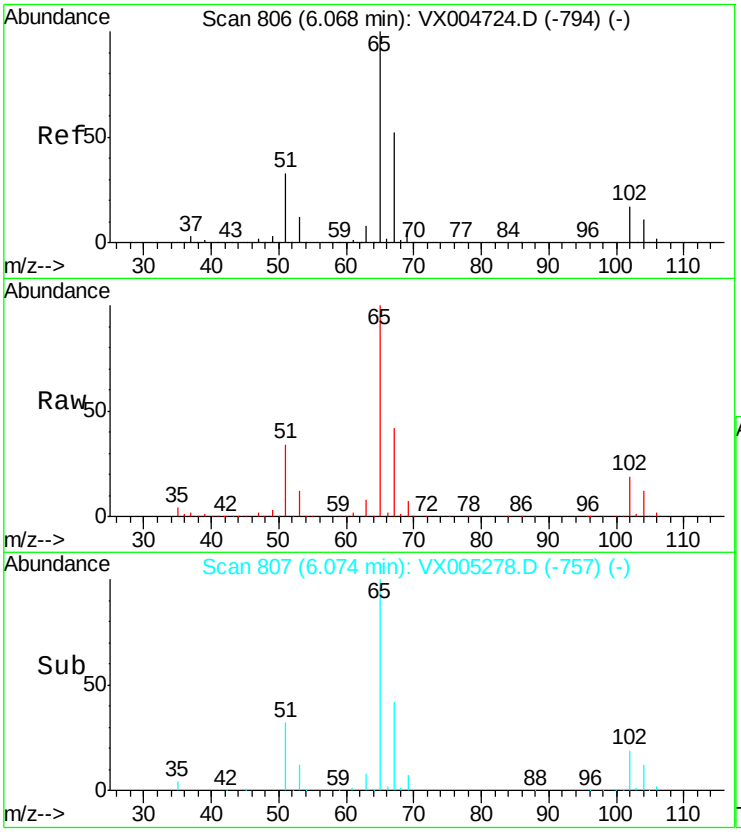




#32
1,1,1-Trichloroethane
Concen: 50.40 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 97 Resp: 223189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 54.6 | 82.0 |
| 61 | 43.8 | 37.5 | 56.3 |






#33
1,2-Dichloroethane-d4
Concen: 50.07 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 65 Resp: 172823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 107.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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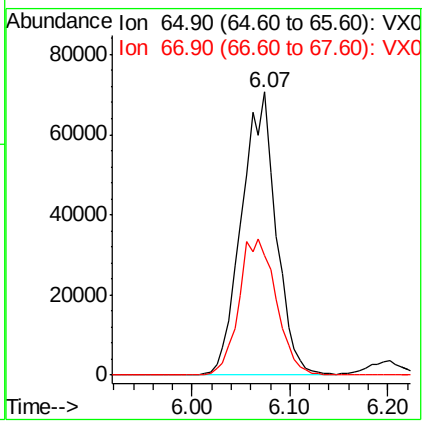
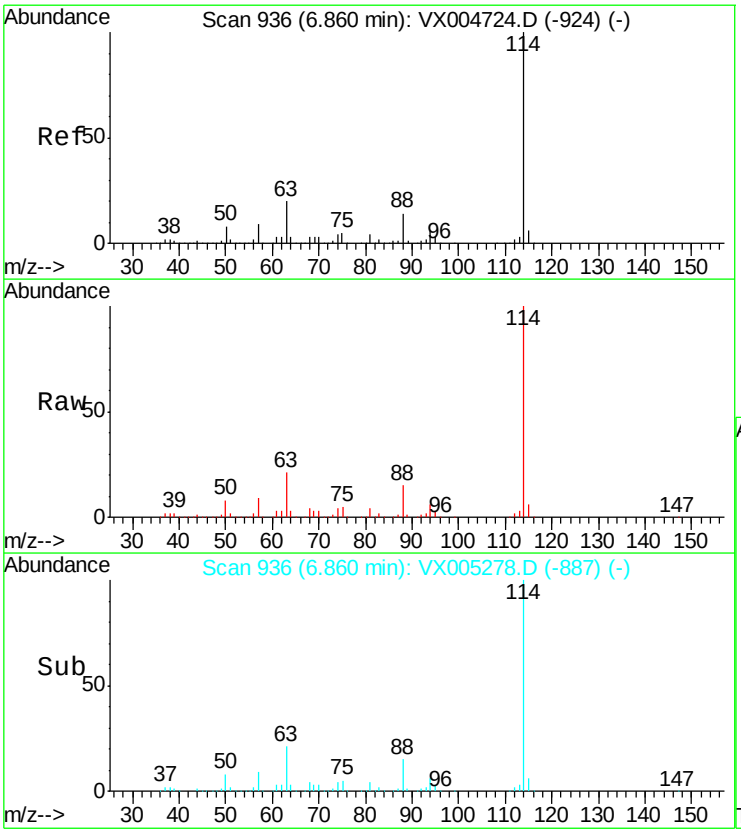
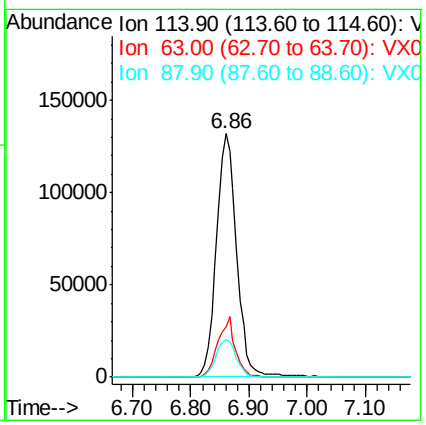


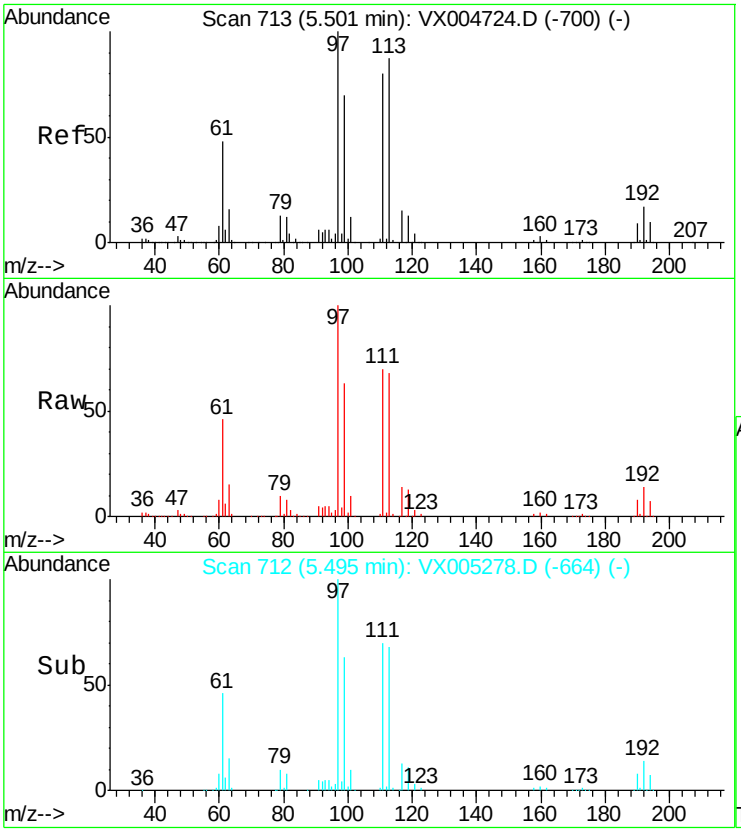




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:114 Resp: 318192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 39.8 |
| 88 | 15.3 | 0.0 | 27.0 |

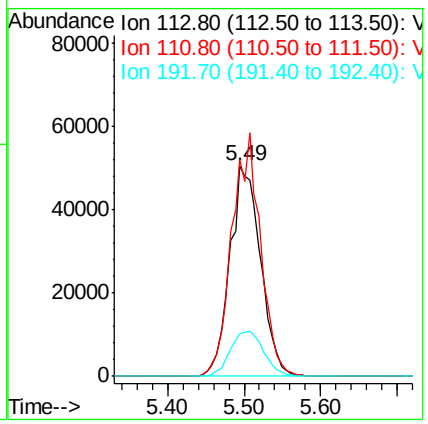





#35
Dibromofluoromethane
Concen: 51.95 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:113 Resp: 140103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 108.3 | 77.0 | 115.4 |
| 192 | 23.5 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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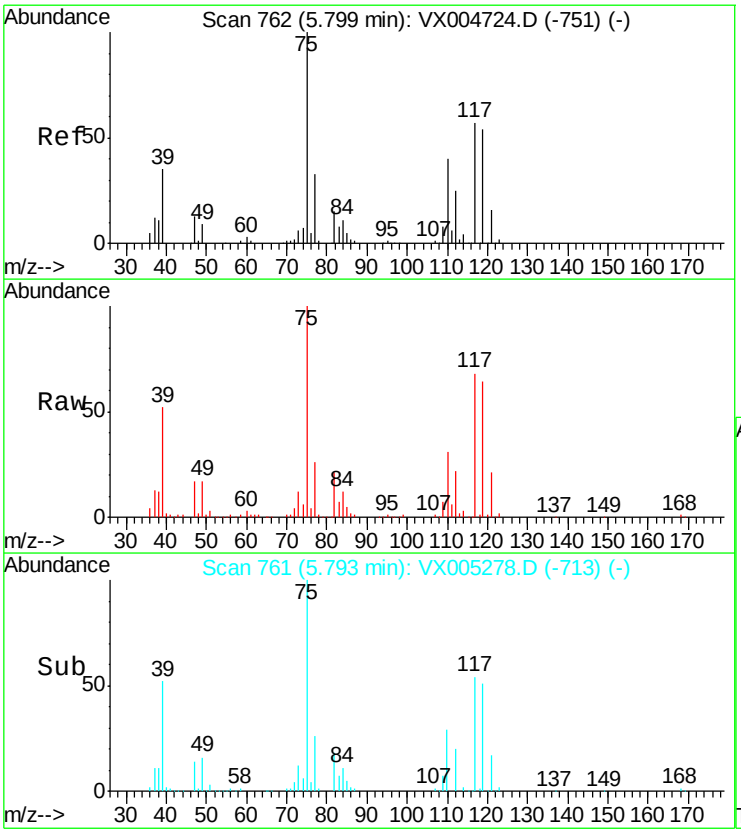
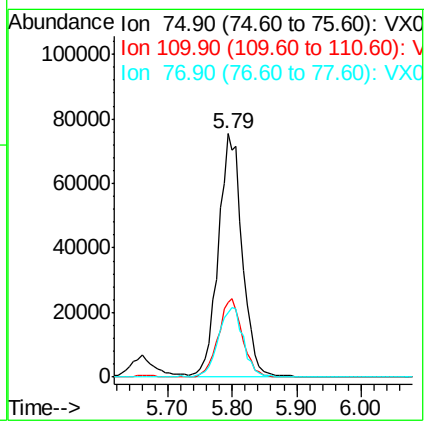
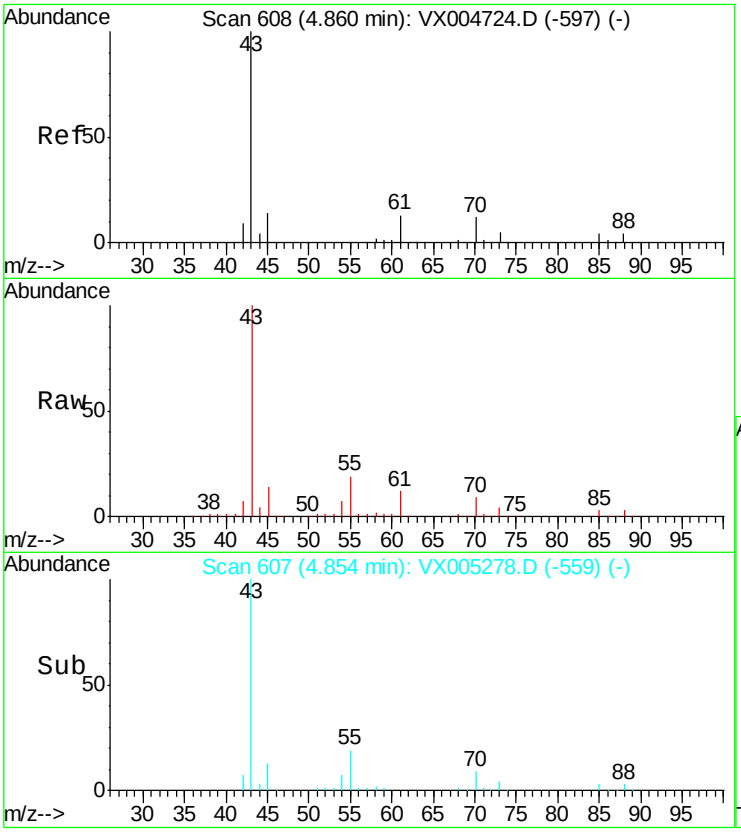



#36
1,1-Dichloropropene
Concen: 53.48 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 196770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.5 | 20.0 | 59.9 |
| 77 | 30.2 | 27.1 | 40.7 |

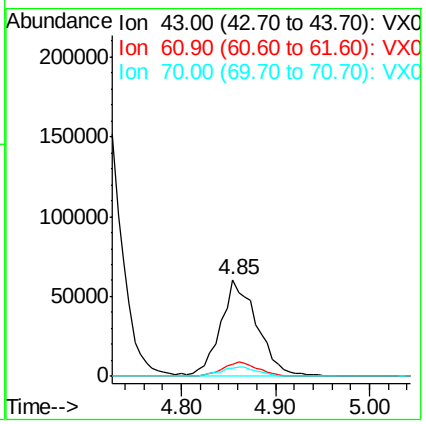





#37
Ethyl Acetate
Concen: 32.91 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 160738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.5 | 10.4 | 15.6 |
| 70 | 10.6 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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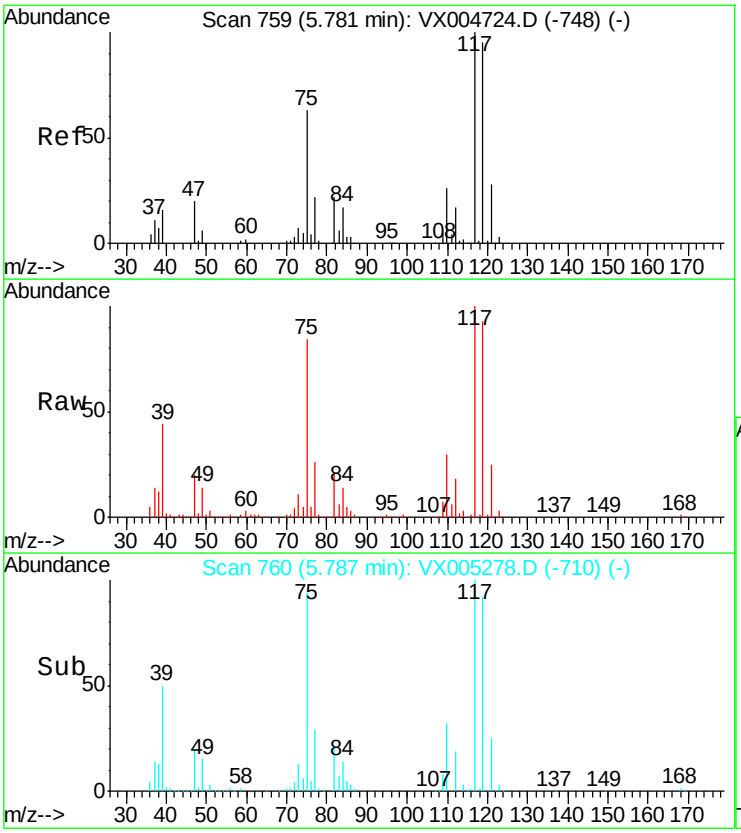
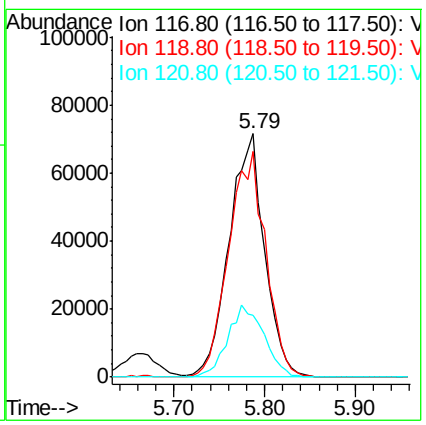
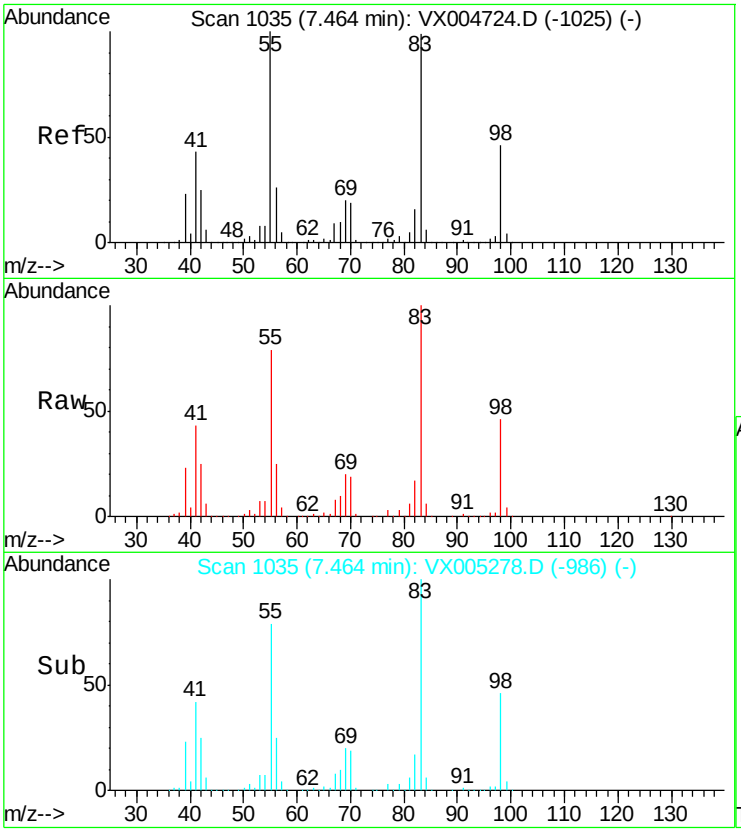



#38
Carbon Tetrachloride
Concen: 50.37 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:117 Resp: 194799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.8 | 75.2 | 112.8 |
| 121 | 25.4 | 22.5 | 33.7 |

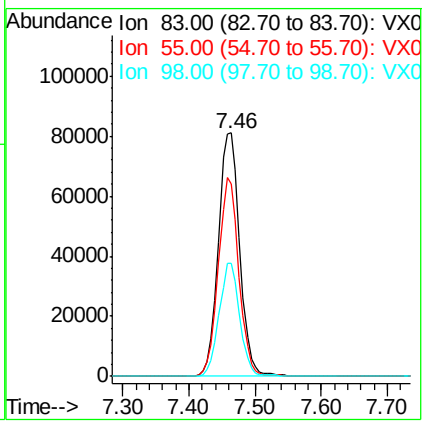





#39
Methylcyclohexane
Concen: 48.21 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 83 Resp: 181133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.9 | 81.1 | 121.7# |
| 98 | 46.3 | 37.3 | 55.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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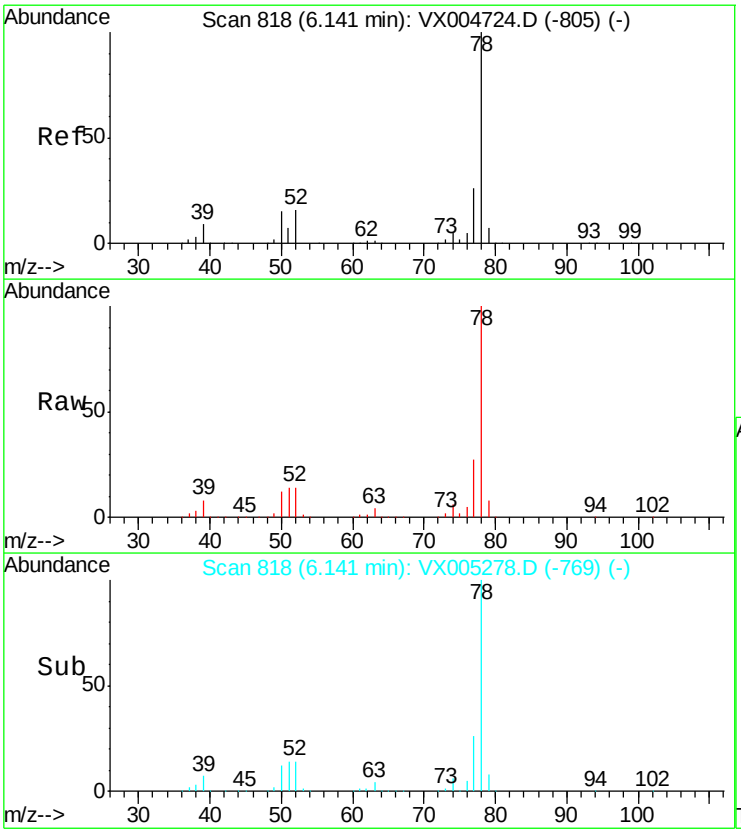
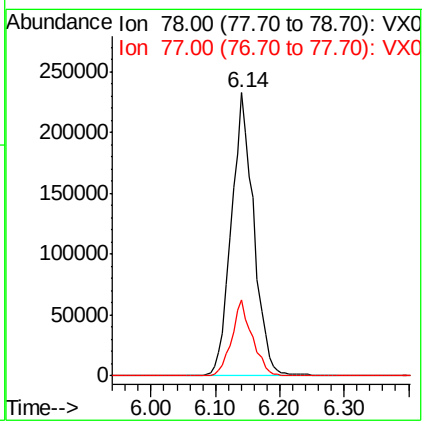
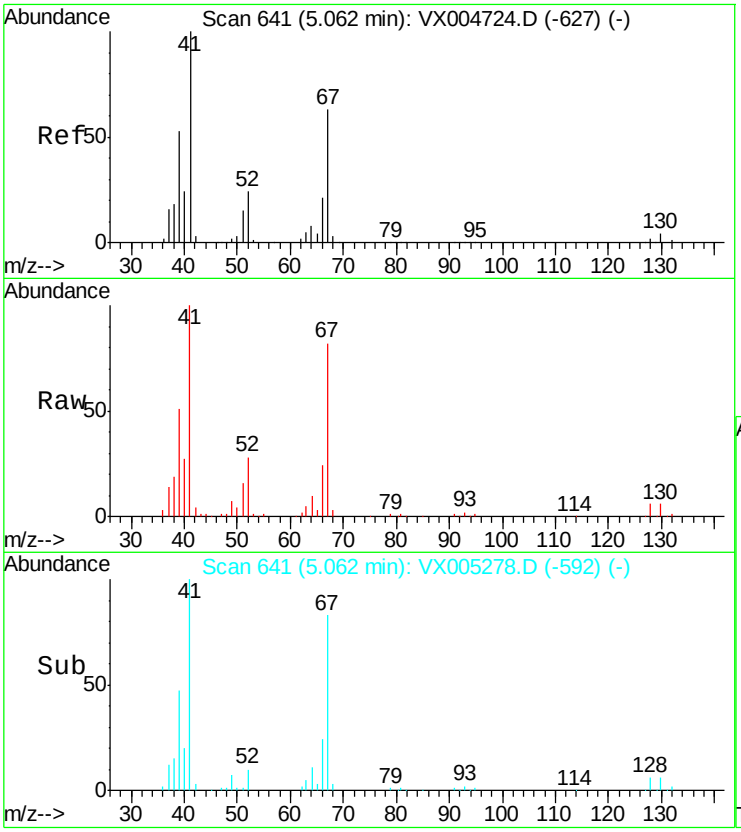



#40
Benzene
Concen: 49.14 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 78 Resp: 566011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 26.9 | 21.0 | 31.4 |

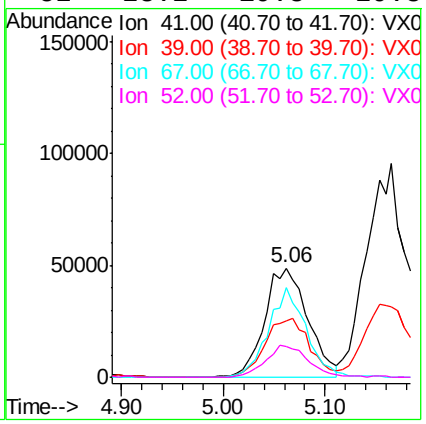





#41
Methacrylonitrile
Concen: 52.70 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 41 Resp: 142741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.4 | 42.5 | 63.7 |
| 67 | 72.3 | 53.0 | 79.6 |
| 52 | 28.2 | 19.8 | 29.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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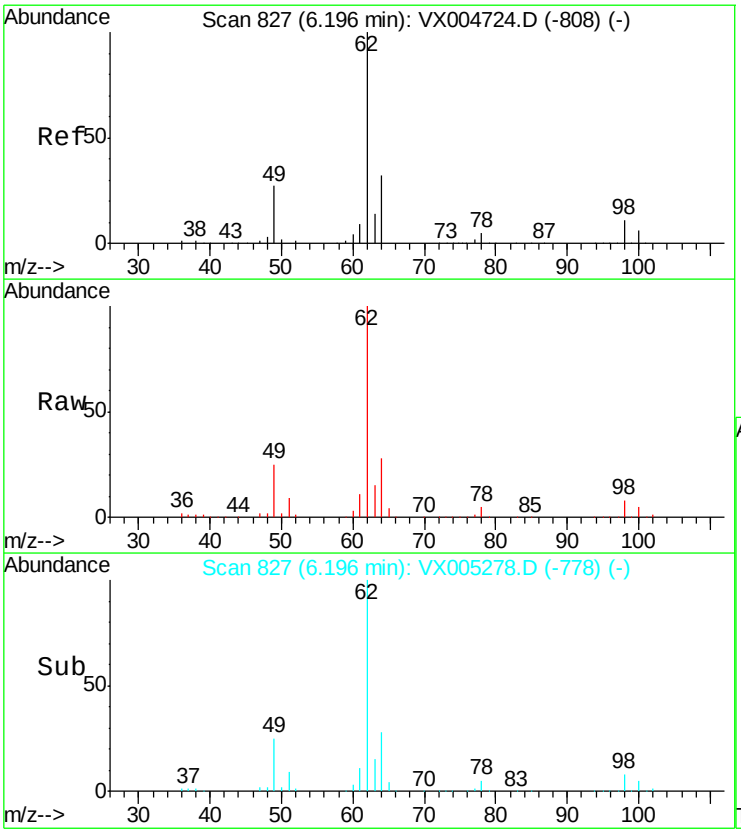
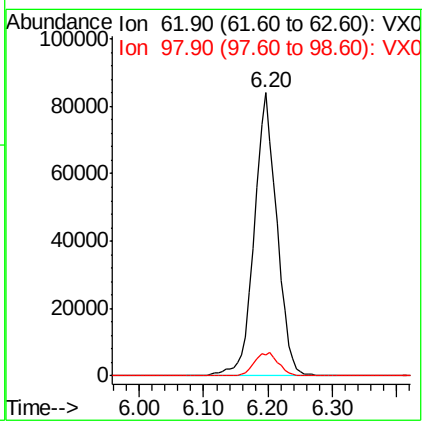
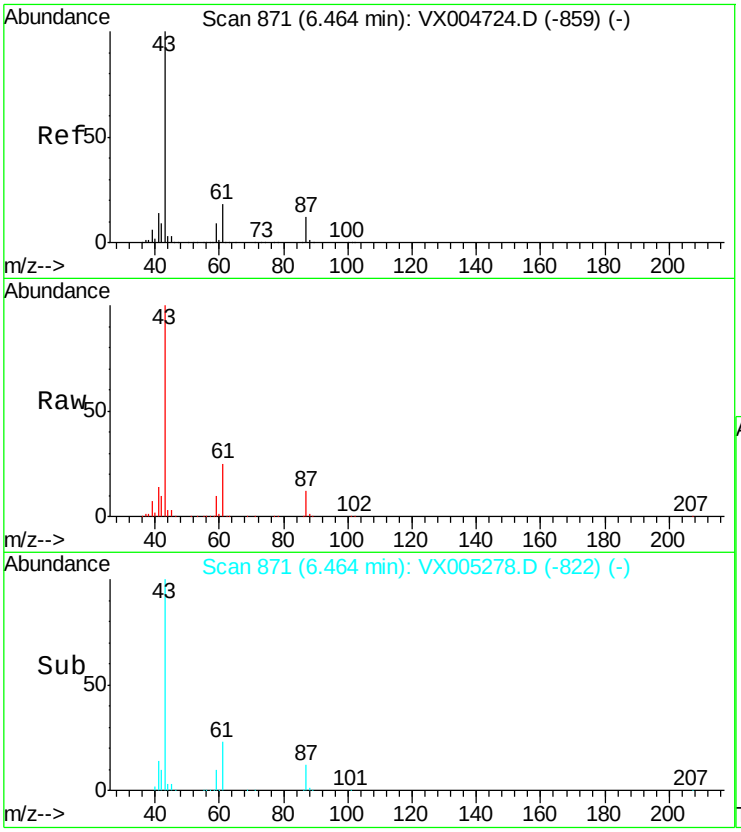



#42
1,2-Dichloroethane
Concen: 49.42 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 62 Resp: 201240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 0.0 | 20.2 |

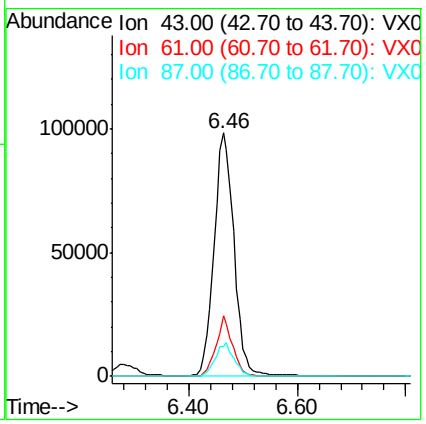





#43
Isopropyl Acetate
Concen: 35.32 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 248947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.6 | 14.2 | 21.4 |
| 87 | 13.1 | 9.3 | 13.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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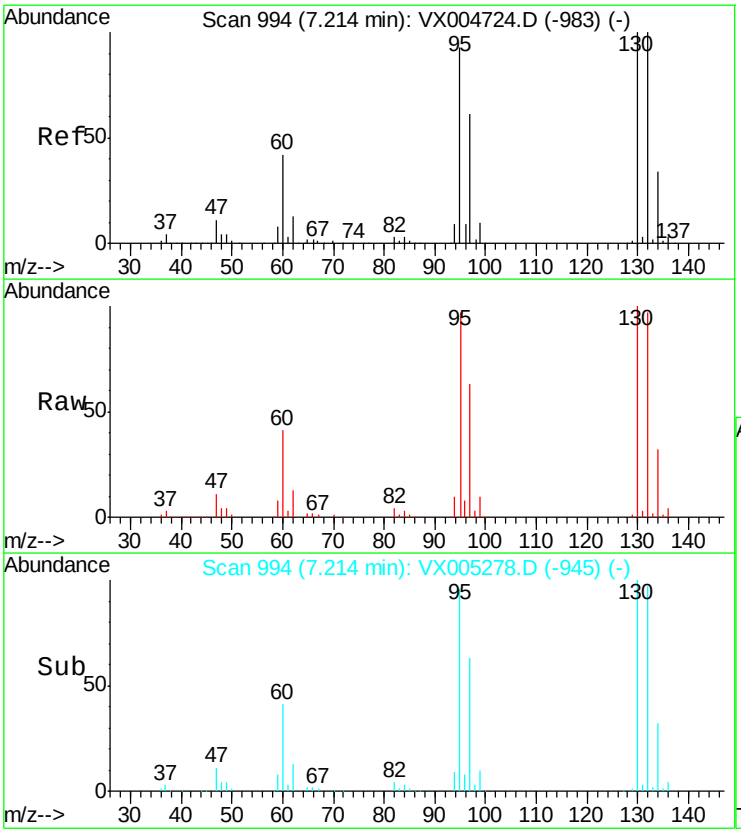
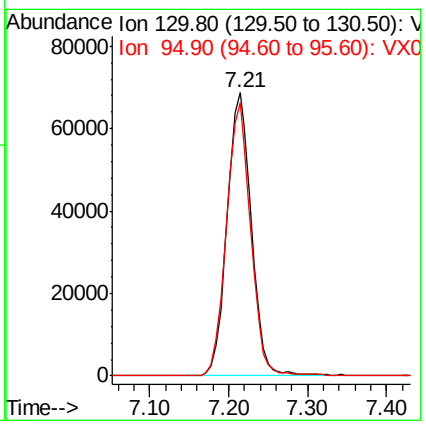
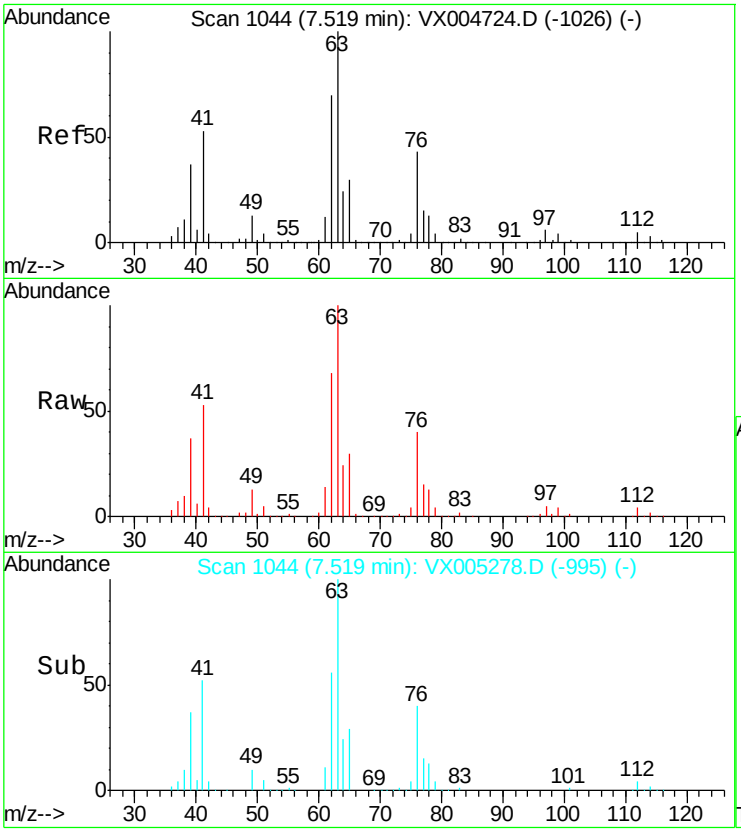



#44
Trichloroethene
Concen: 52.09 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:130 Resp: 147493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.6 | 0.0 | 186.8 |

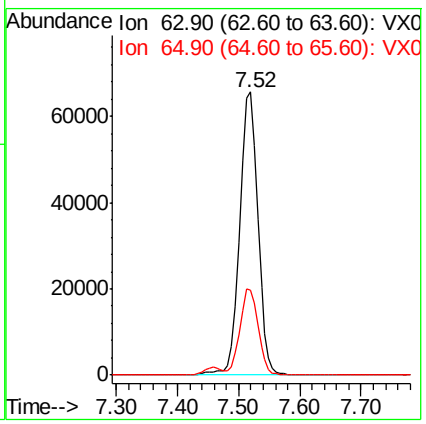





#45
1,2-Dichloropropane
Concen: 47.75 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 63 Resp: 134872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 23.9 | 35.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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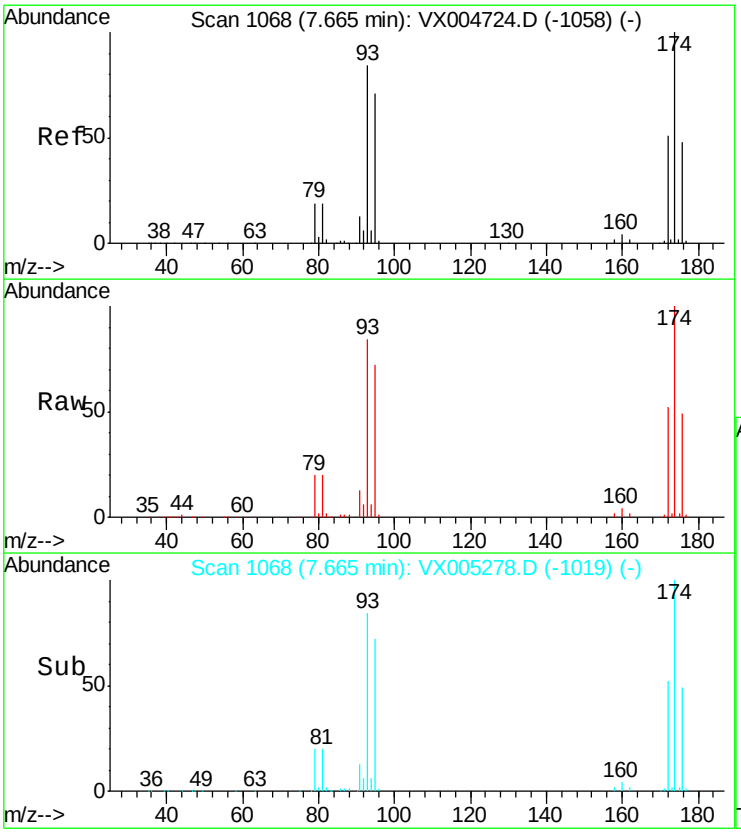
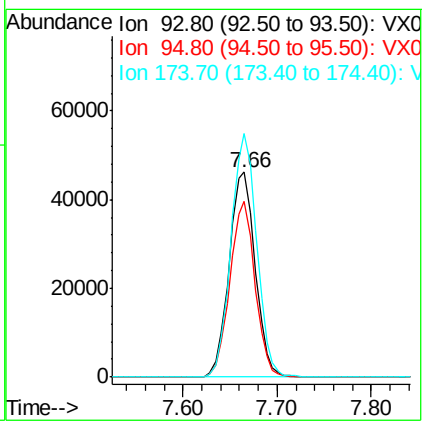
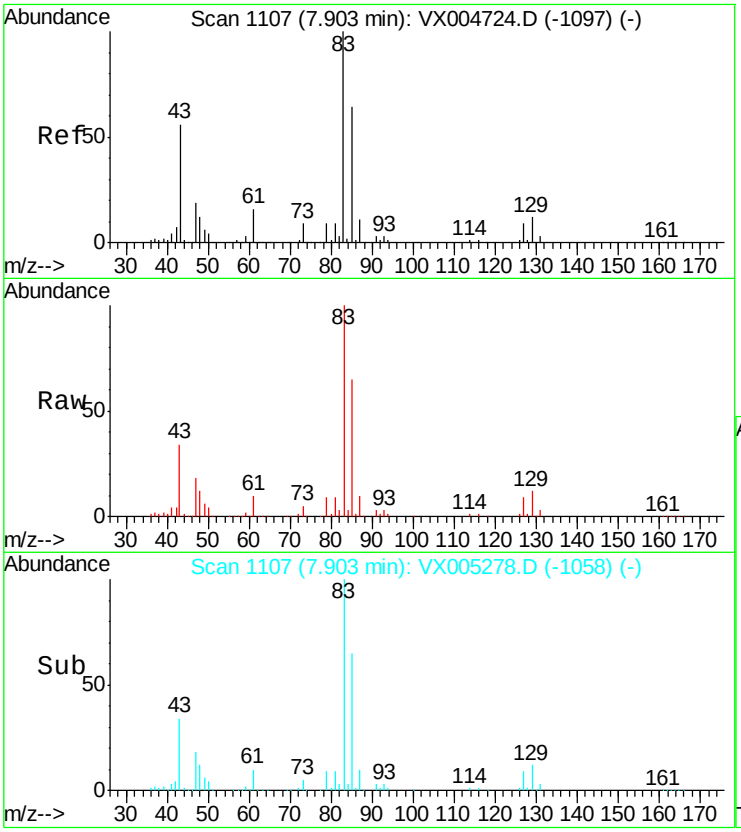



#46
Dibromomethane
Concen: 50.03 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 93 Resp: 88819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.9 | 66.7 | 100.1 |
| 174 | 117.4 | 92.7 | 139.1 |

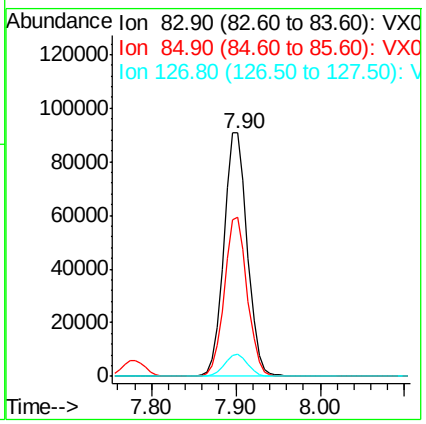





#47
Bromodichloromethane
Concen: 51.64 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 83 Resp: 171627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 51.2 | 76.8 |
| 127 | 9.2 | 7.0 | 10.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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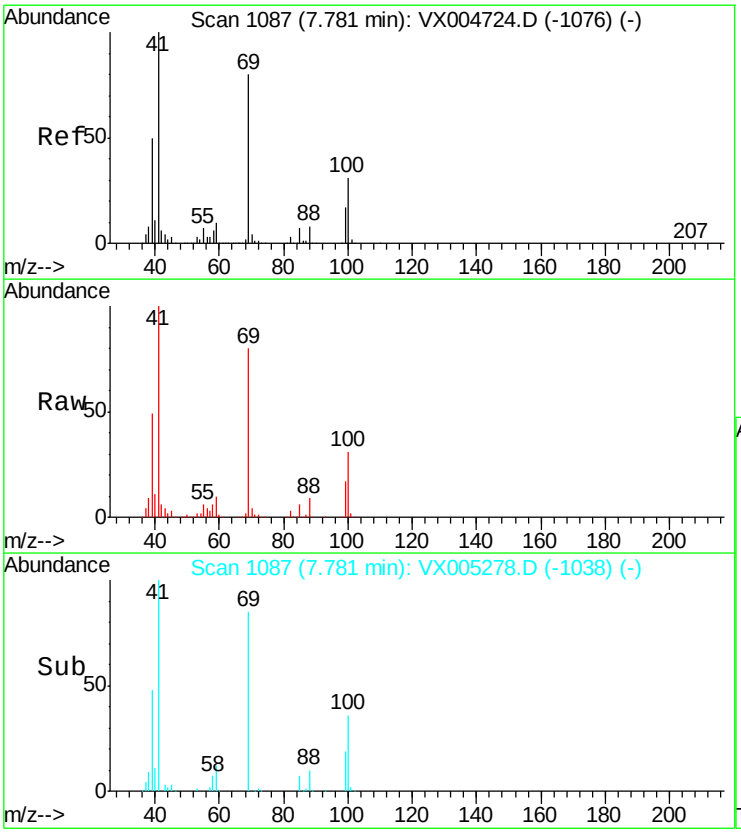
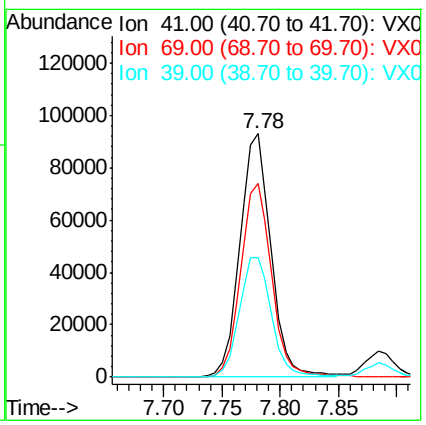
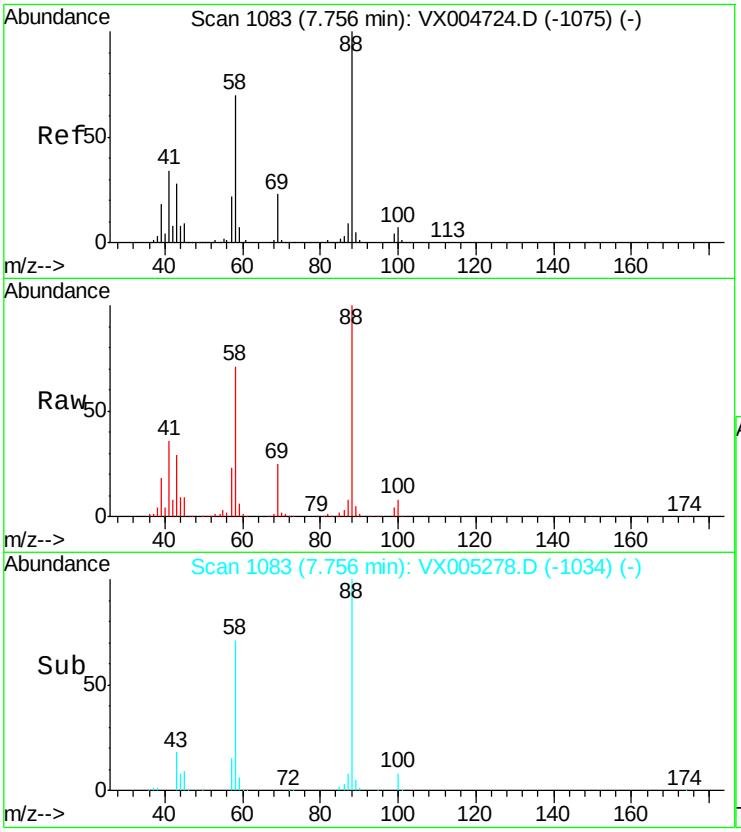



#48
Methyl methacrylate
Concen: 53.98 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 41 Resp: 172706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.3 | 63.8 | 95.6 |
| 39 | 50.7 | 40.7 | 61.1 |

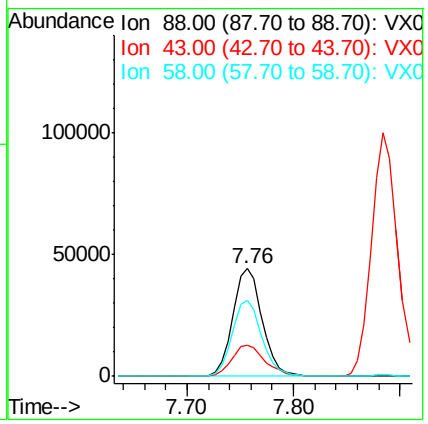





#49
1,4-Dioxane
Concen: 1080.56 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 88 Resp: 85893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 32.5 | 25.1 | 37.7 |
| 58 | 71.4 | 56.2 | 84.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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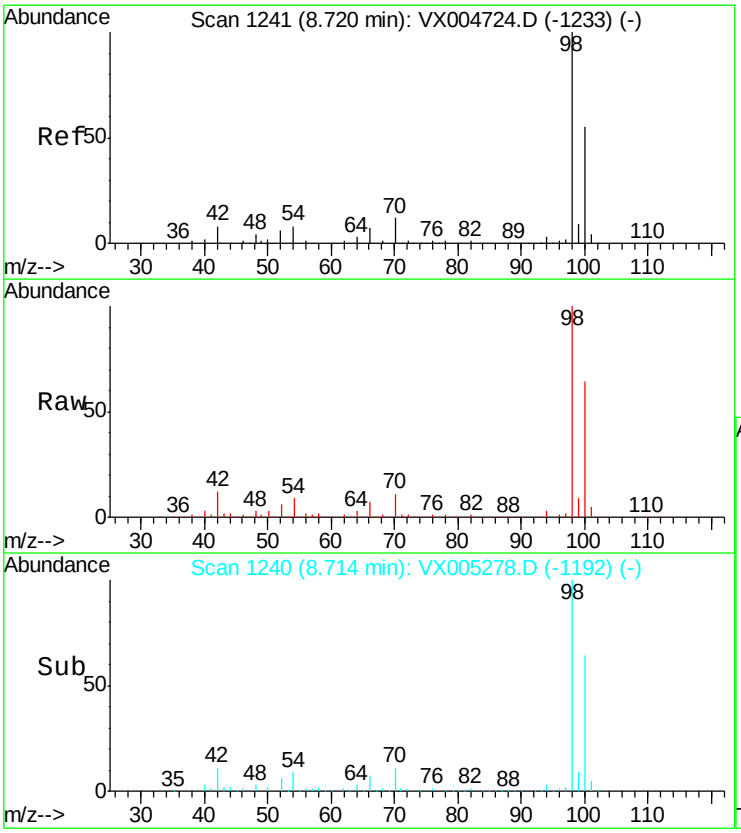
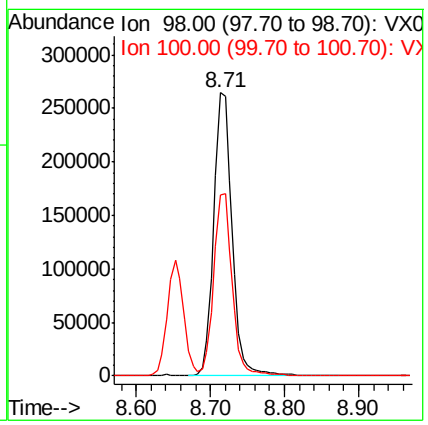
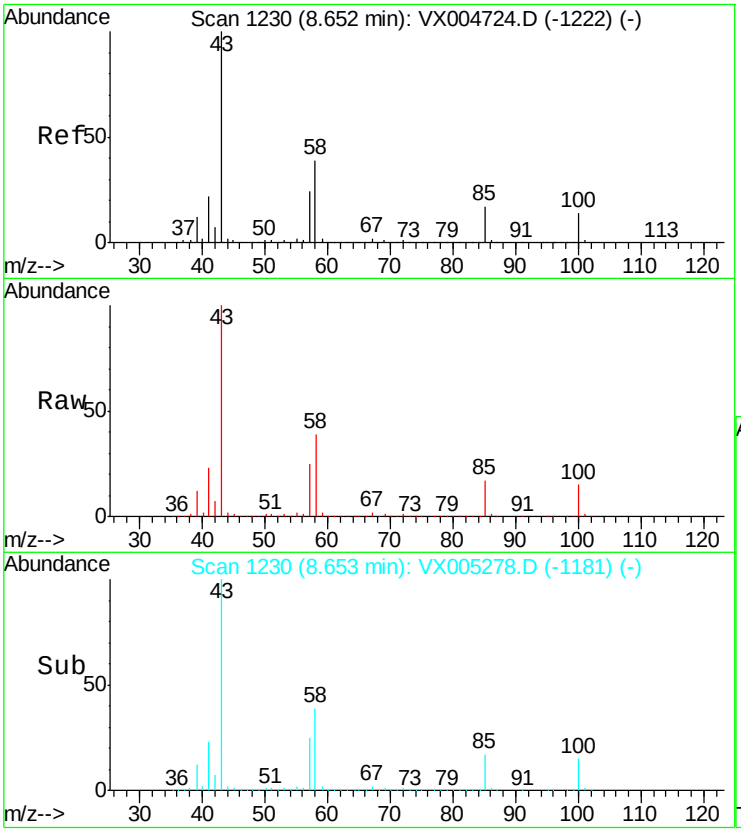



#50
Toluene-d8
Concen: 49.70 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 98 Resp: 445582

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






#51
4-Methyl-2-Pentanone
Concen: 266.69 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 1183690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.9 | 30.5 | 45.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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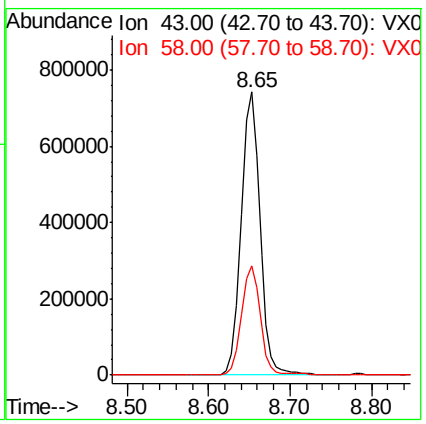
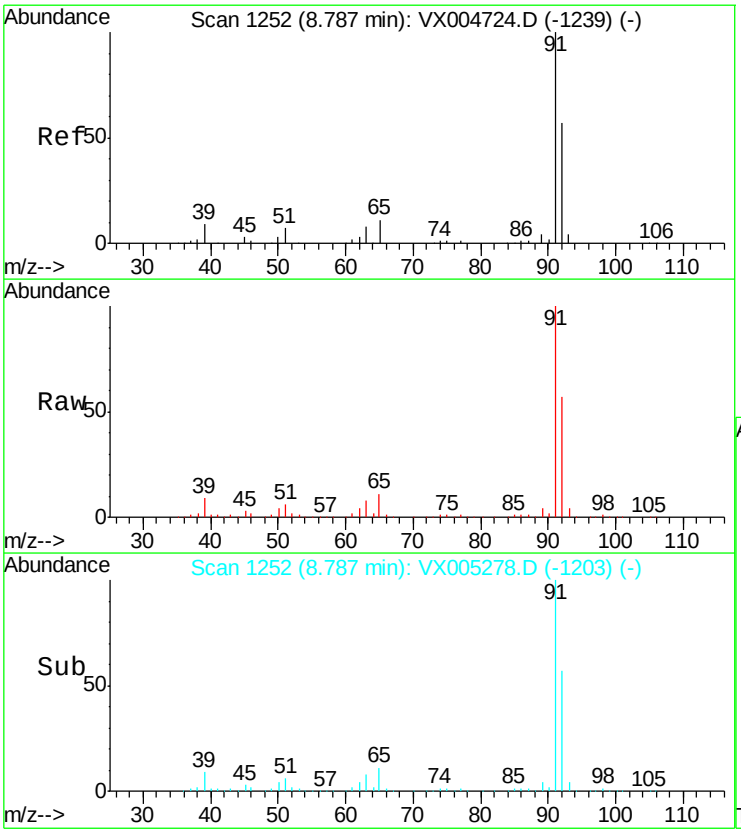
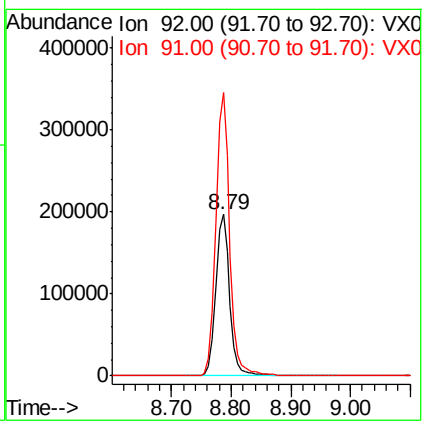


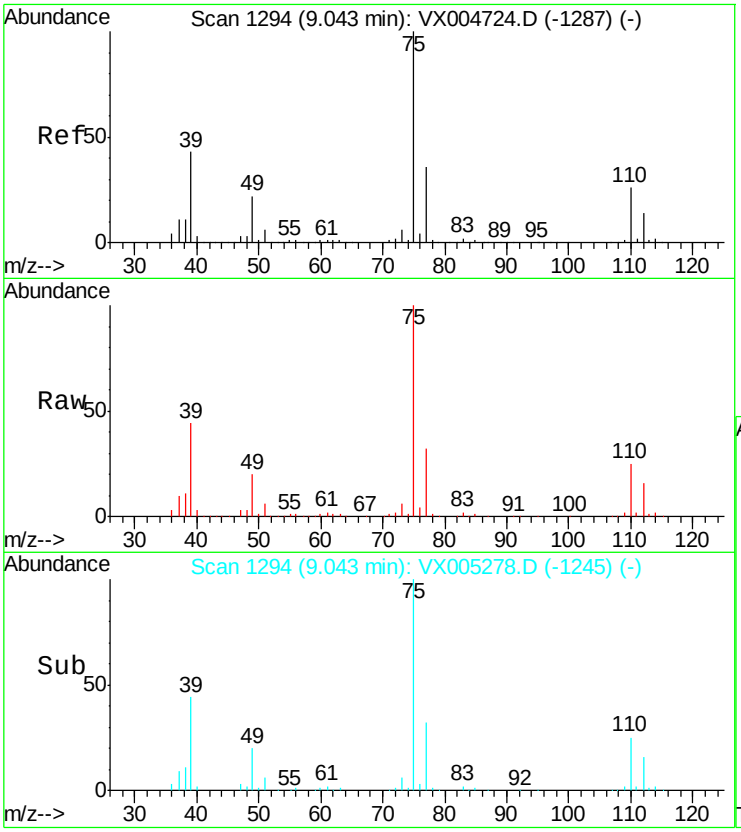




#52
Toluene
Concen: 49.98 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 92 Resp: 316314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 136.7 | 205.1 |






#53
t-1,3-Dichloropropene
Concen: 39.86 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 149728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 28.9 | 43.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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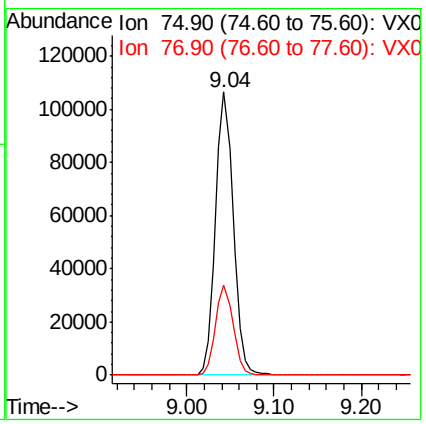
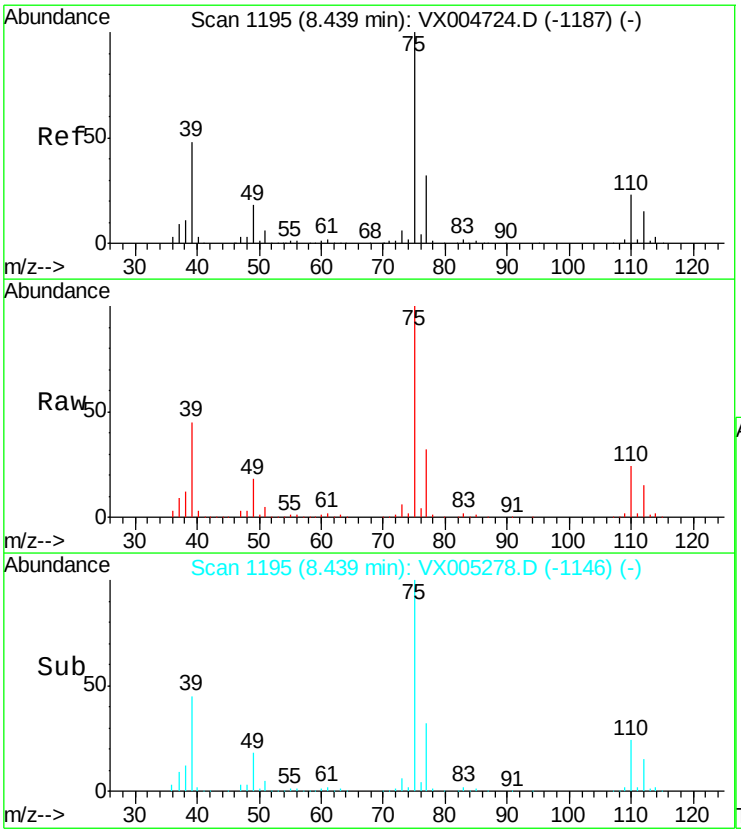
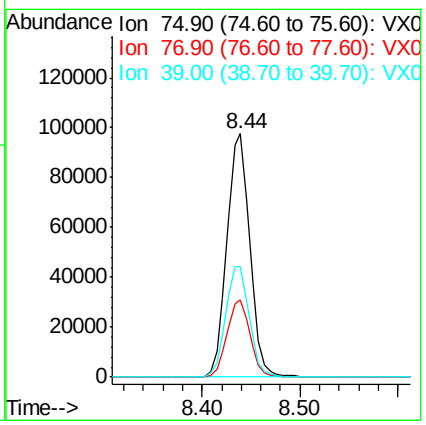


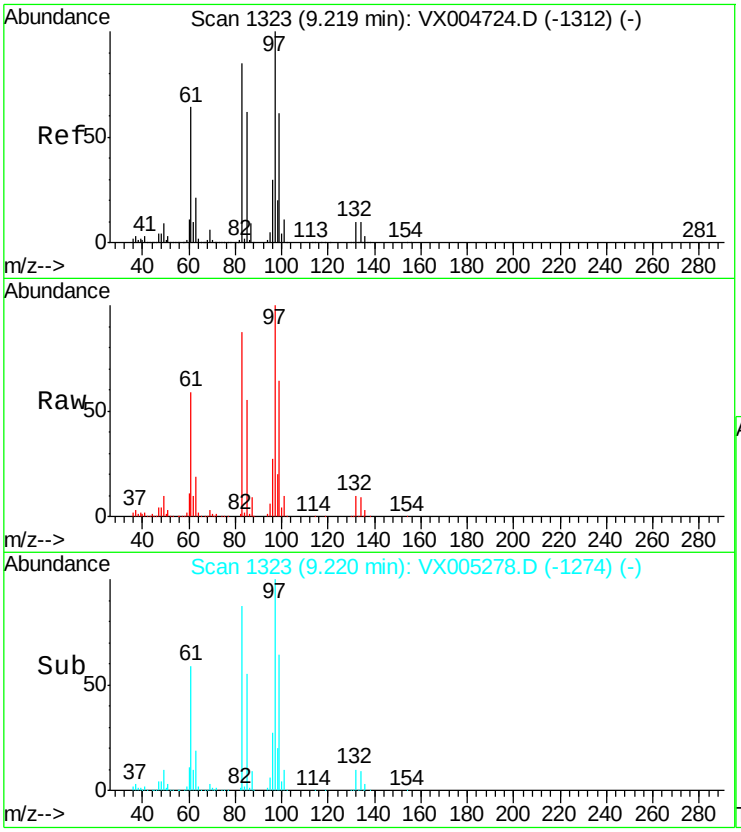




#54
cis-1,3-Dichloropropene
Concen: 40.36 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 158797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.7 | 38.5 |
| 39 | 45.2 | 38.3 | 57.5 |

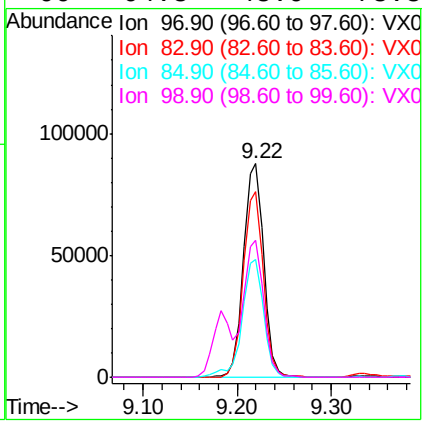





#55
1,1,2-Trichloroethane
Concen: 47.60 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 97 Resp: 131981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.7 | 68.2 | 102.2 |
| 85 | 55.3 | 49.9 | 74.9 |
| 99 | 64.3 | 48.9 | 73.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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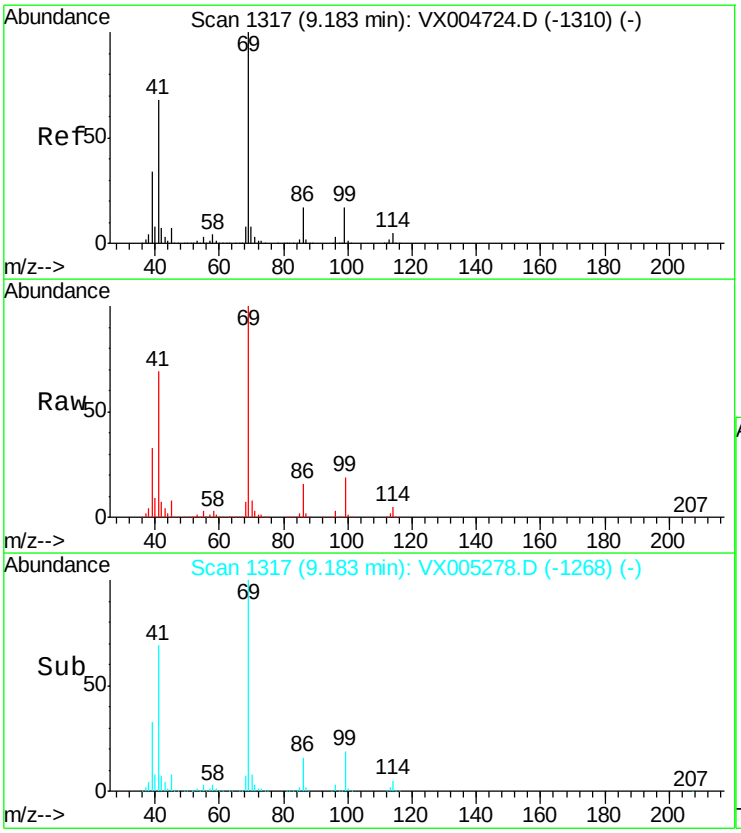
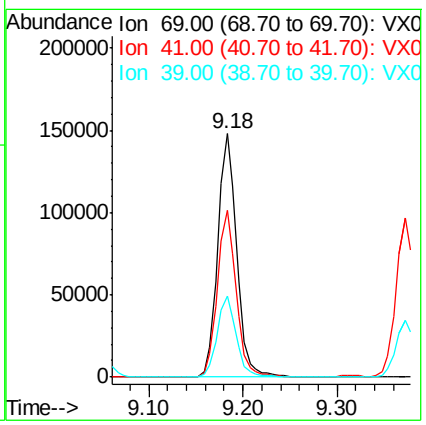
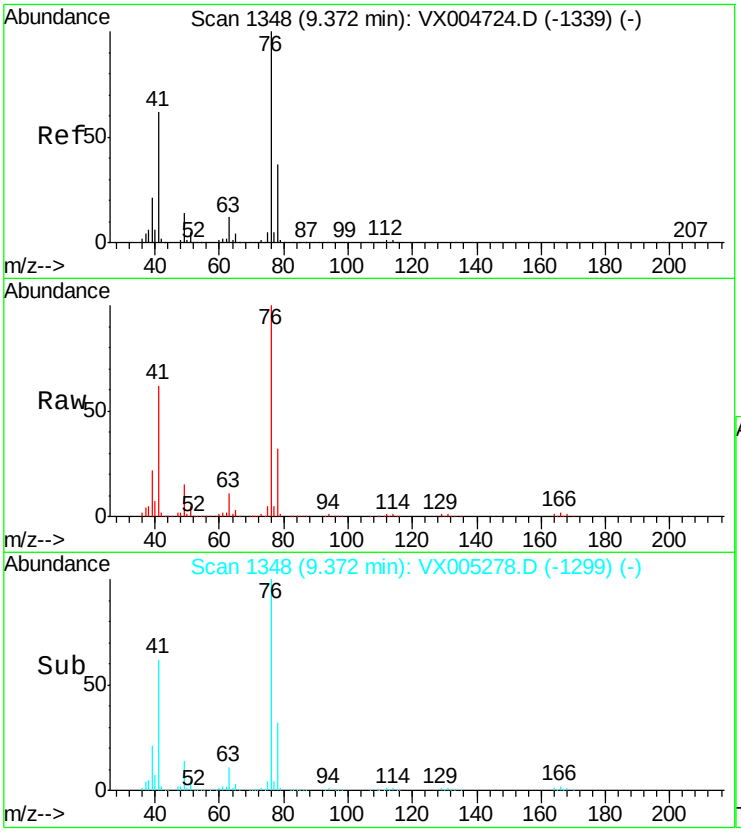



#56
Ethyl methacrylate
Concen: 46.20 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 69 Resp: 206815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.4 | 56.9 | 85.3 |
| 39 | 33.5 | 28.4 | 42.6 |






#57
1,3-Dichloropropane
Concen: 47.52 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 76 Resp: 219261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.6 | 40.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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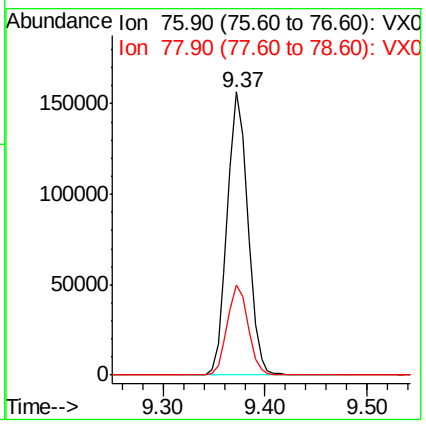
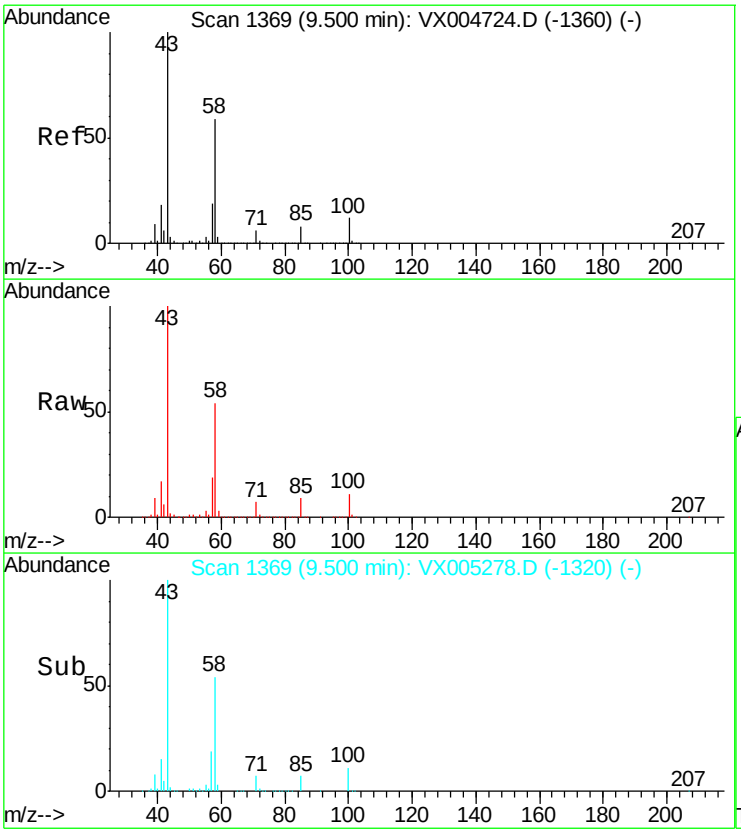
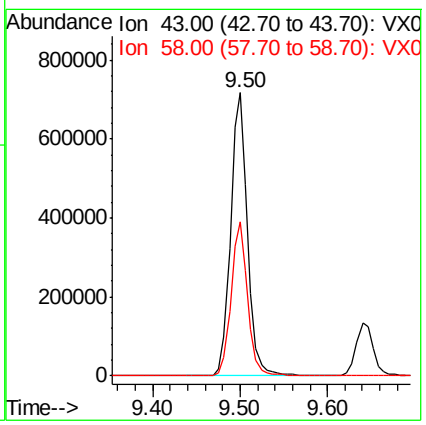


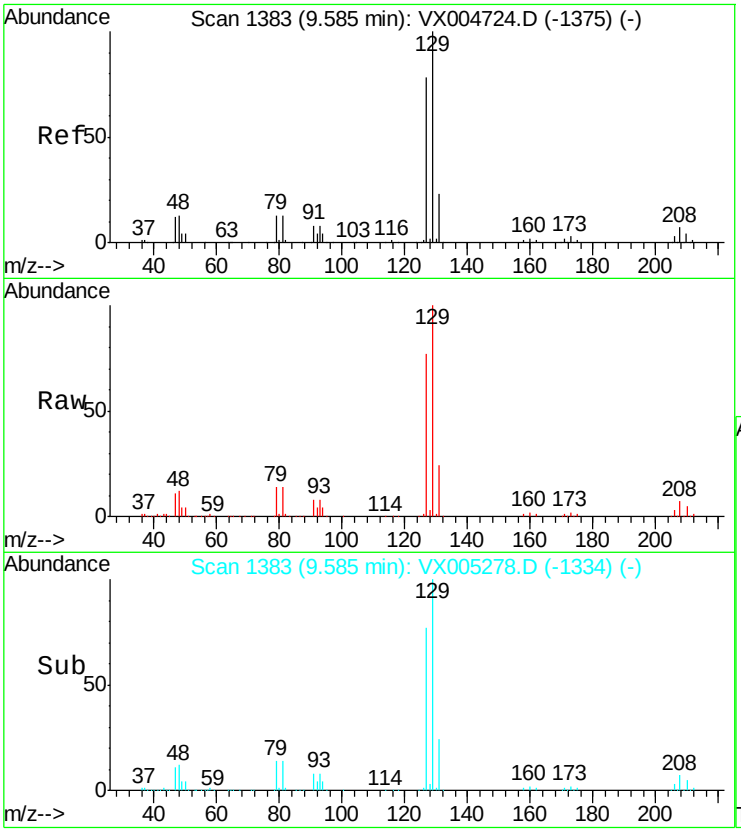




#59
2-Hexanone
Concen: 260.68 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 964163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 28.4 | 85.3 |

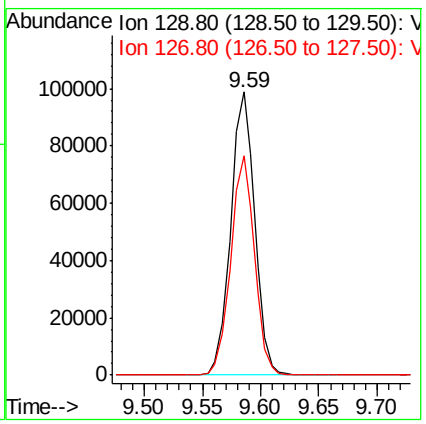





#60
Dibromochloromethane
Concen: 51.14 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:129 Resp: 141789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.6 | 39.1 | 117.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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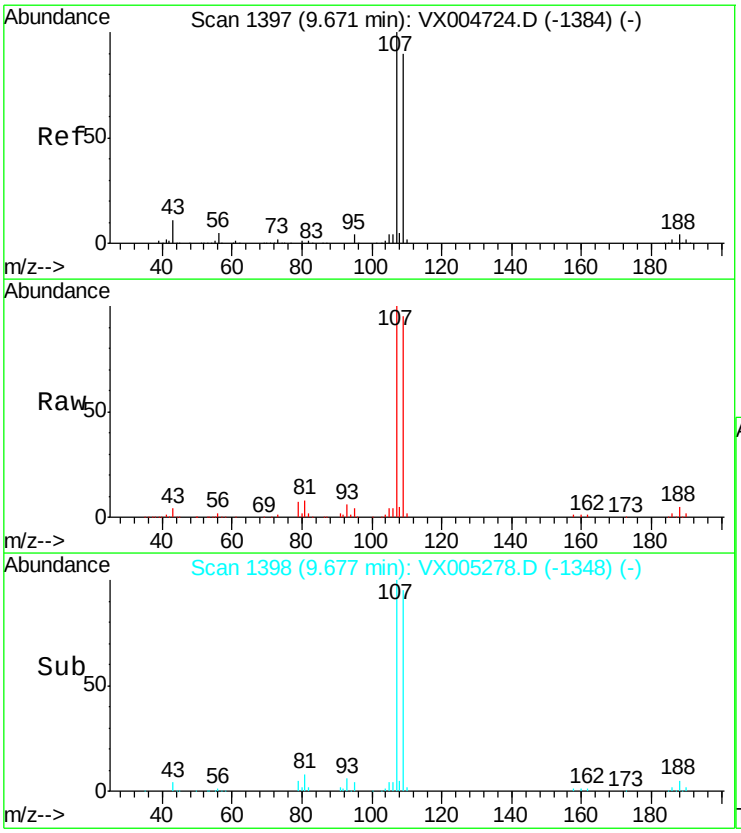
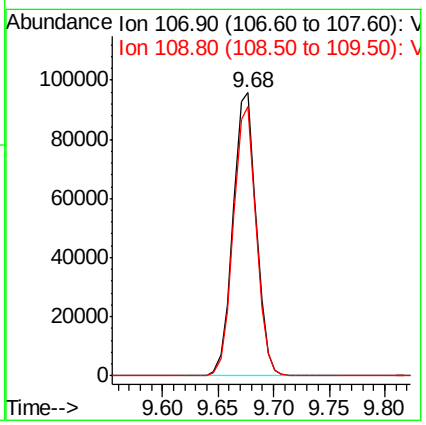
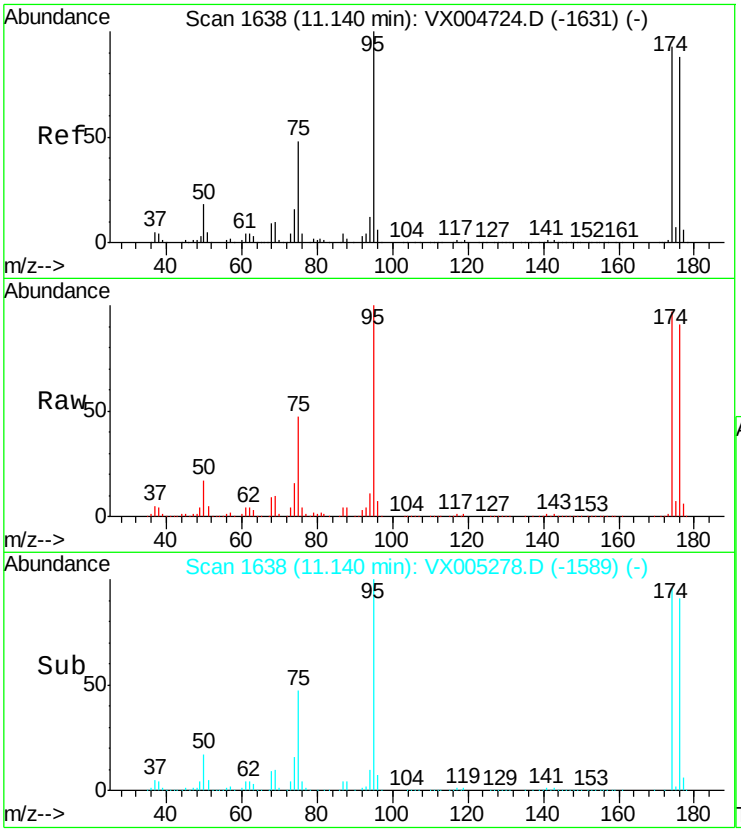



#61
1,2-Dibromoethane
Concen: 46.52 ug/l
RT: 9.68 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:107 Resp: 138118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 72.1 | 108.1 |

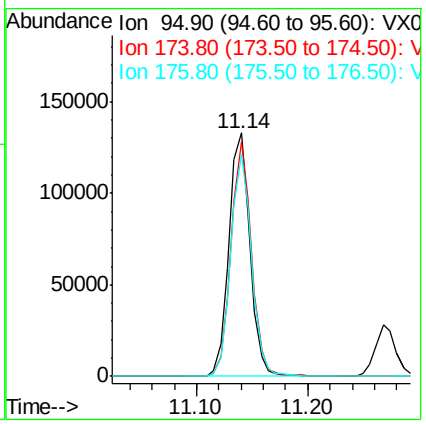





#62
4-Bromofluorobenzene
Concen: 53.81 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 95 Resp: 173800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.9 | 0.0 | 185.0 |
| 176 | 90.1 | 0.0 | 180.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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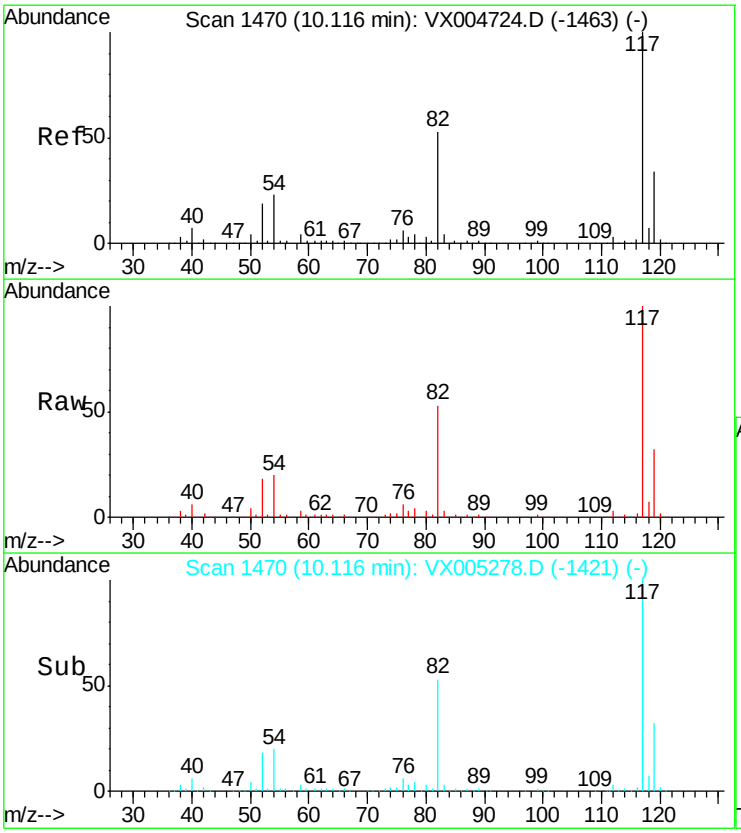
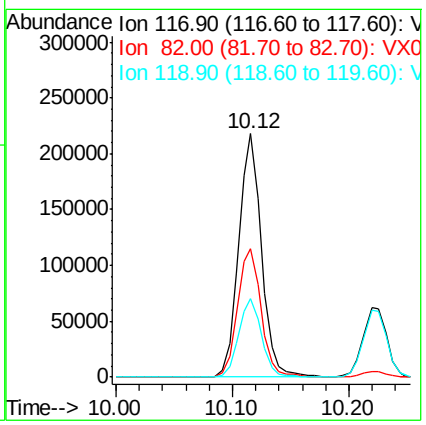
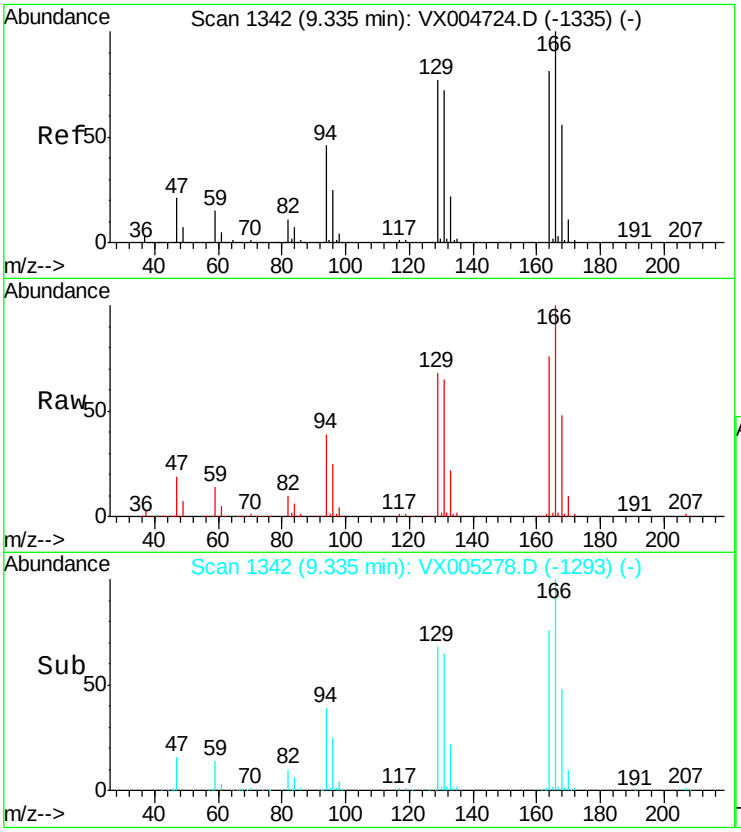



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:117 Resp: 299185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 42.2 | 63.4 |
| 119 | 32.1 | 27.4 | 41.0 |

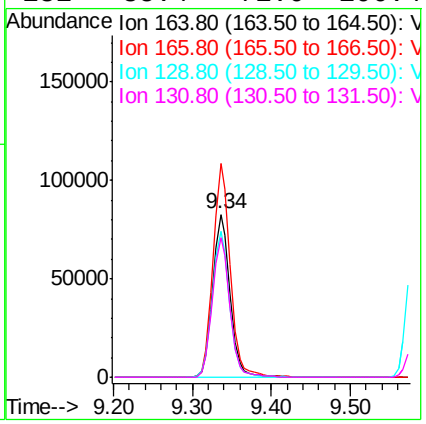





#64
Tetrachloroethene
Concen: 43.35 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:164 Resp: 127636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.0 | 98.4 | 147.6 |
| 129 | 89.3 | 76.1 | 114.1 |
| 131 | 85.4 | 71.0 | 106.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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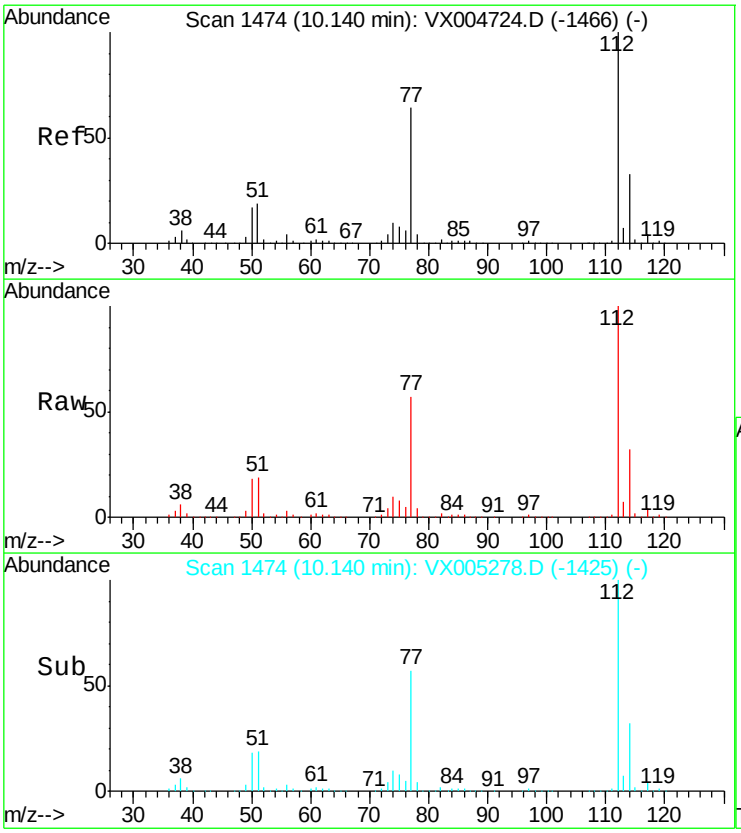
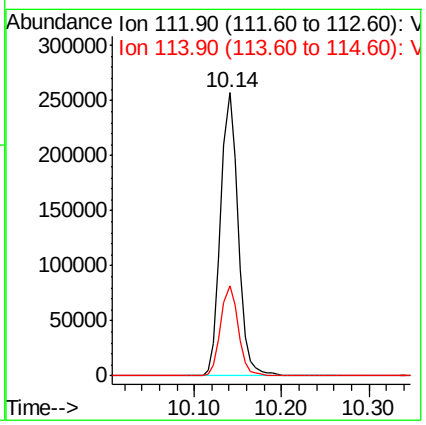
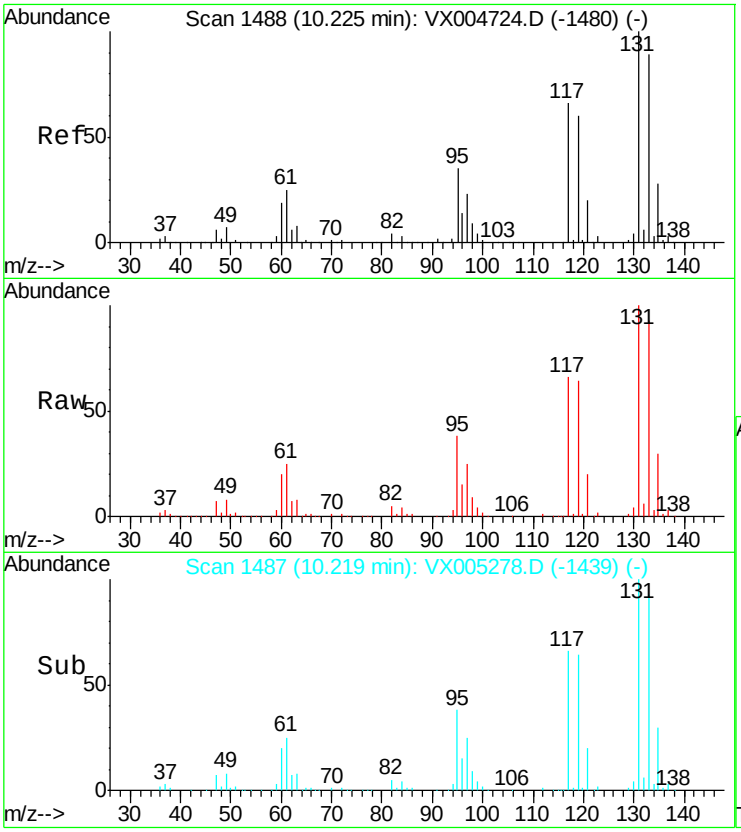



#65
Chlorobenzene
Concen: 46.44 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:112 Resp: 356313

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






#66
1,1,1,2-Tetrachloroethane
Concen: 49.49 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:131 Resp: 133471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.0 | 48.4 | 145.0 |
| 119 | 63.7 | 32.3 | 96.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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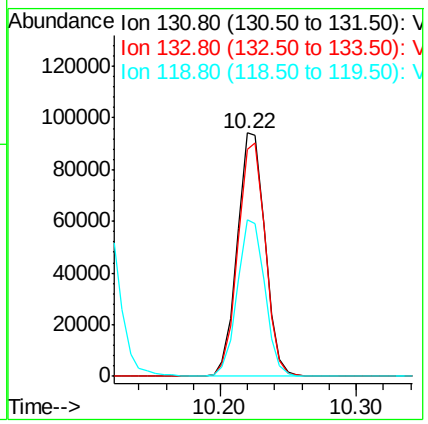
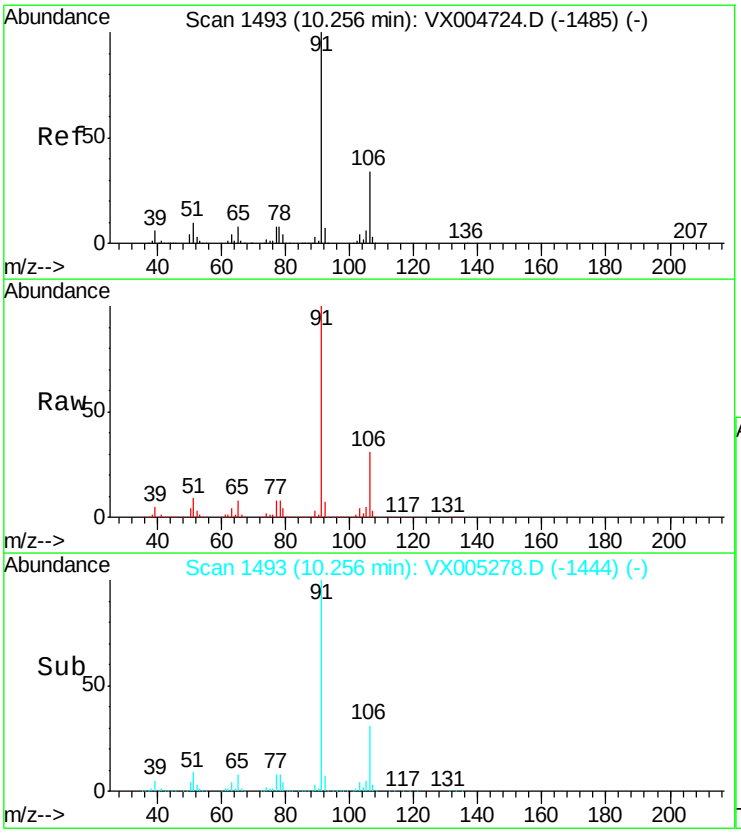
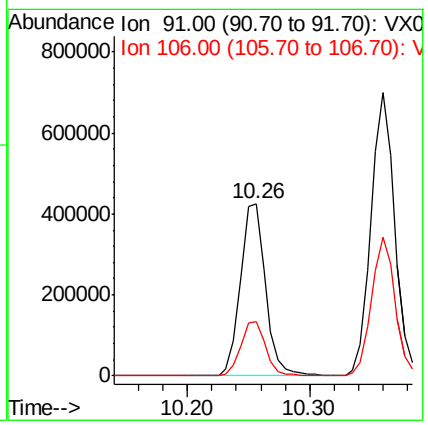


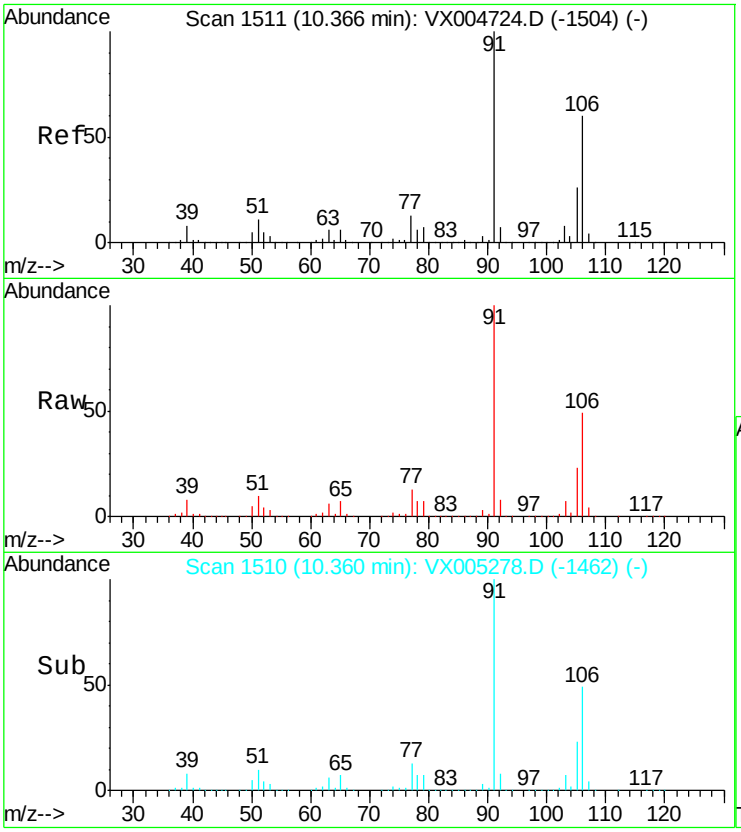




#67
Ethyl Benzene
Concen: 49.63 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 91 Resp: 604508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.4 | 26.9 | 40.3 |

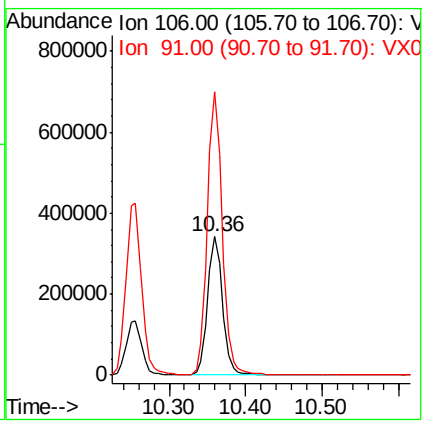





#68
m/p-Xylenes
Concen: 98.45 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:106 Resp: 468609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.3 | 157.5 | 236.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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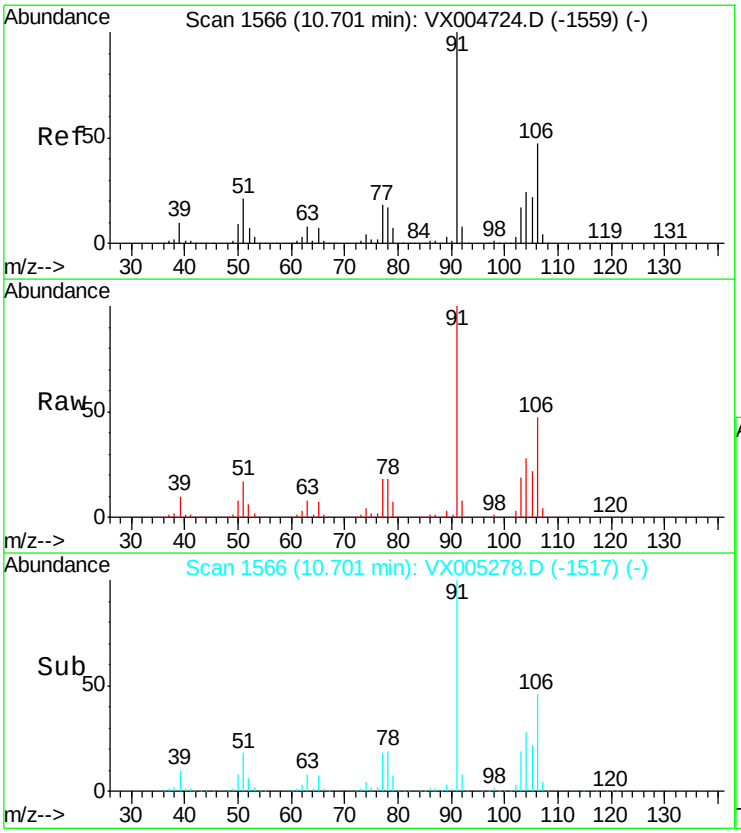
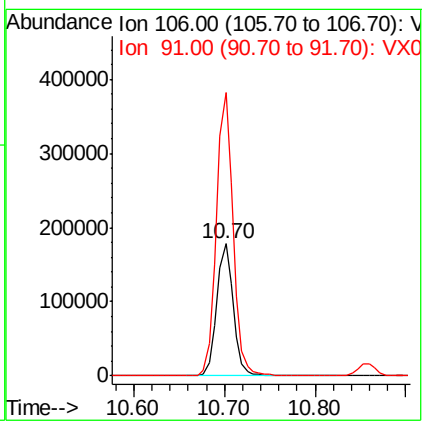
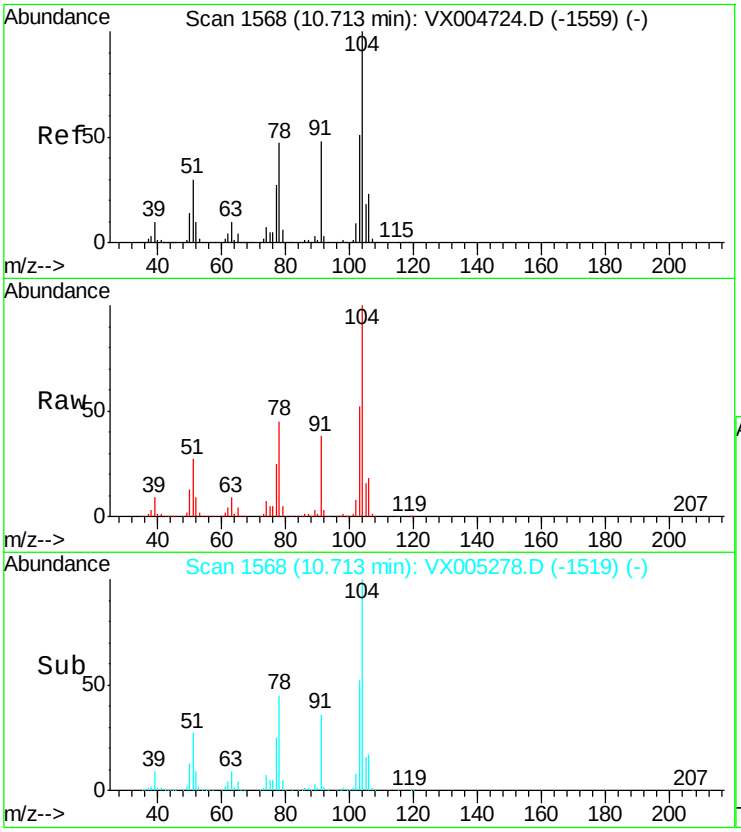



#69
o-Xylene
Concen: 52.18 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:106 Resp: 228121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.6 | 108.3 | 324.8 |






#70
Styrene
Concen: 47.13 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:104 Resp: 384348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.0 | 40.0 | 60.0 |
| 103 | 55.9 | 44.3 | 66.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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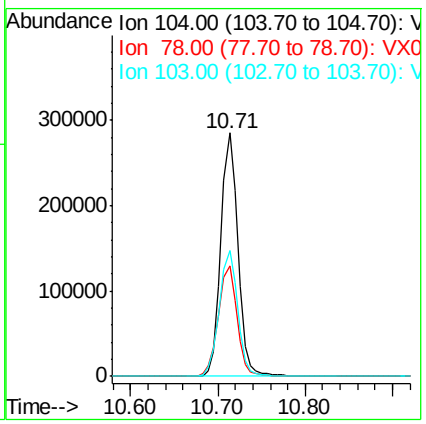
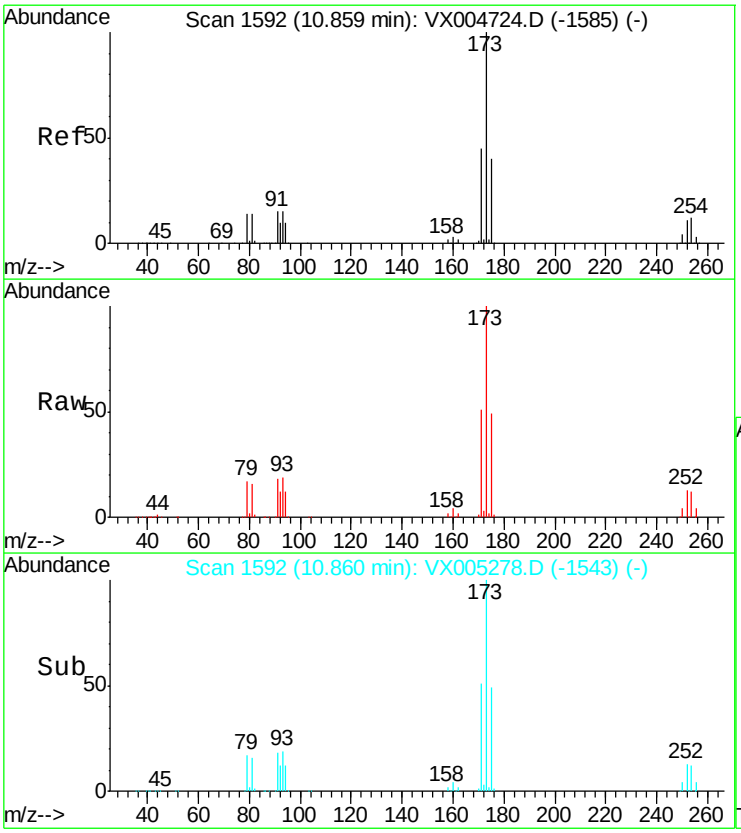
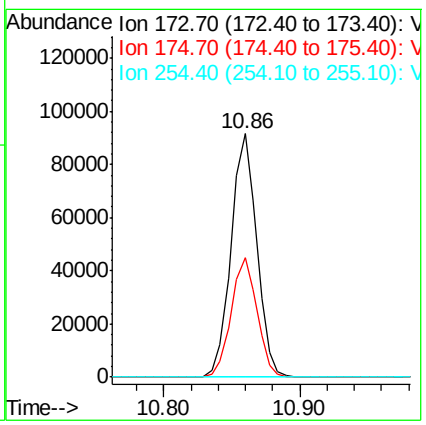


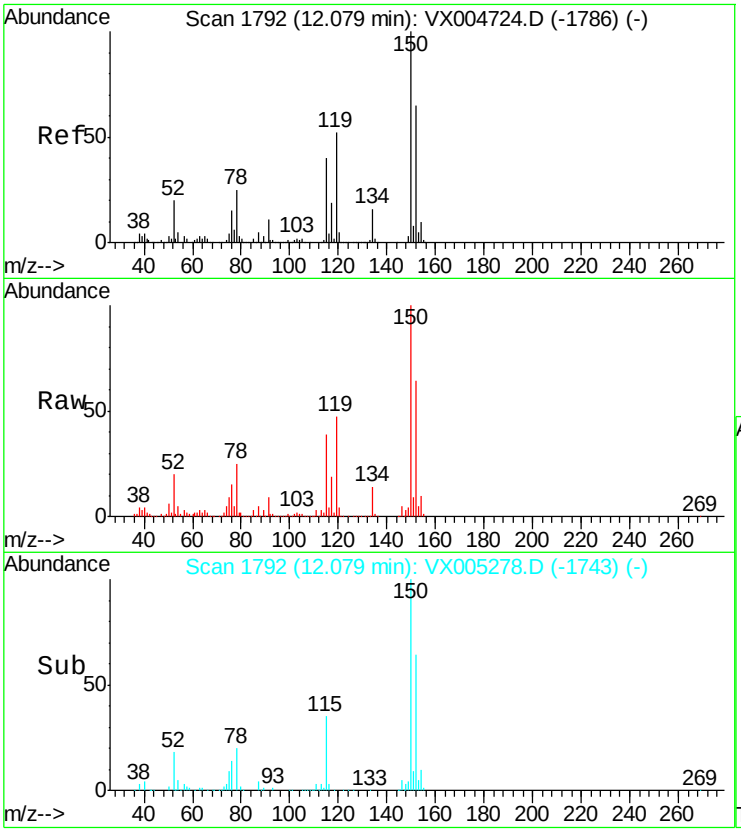




#71
Bromoform
Concen: 52.08 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:173 Resp: 120260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 23.3 | 69.8 |
| 254 | 0.2 | 0.2 | 0.2 |

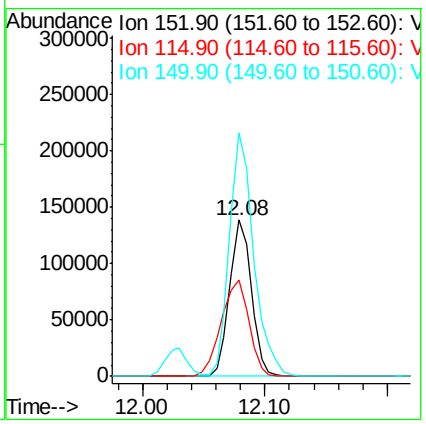





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:152 Resp: 169696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 78.9 | 40.2 | 120.6 |
| 150 | 174.7 | 0.0 | 351.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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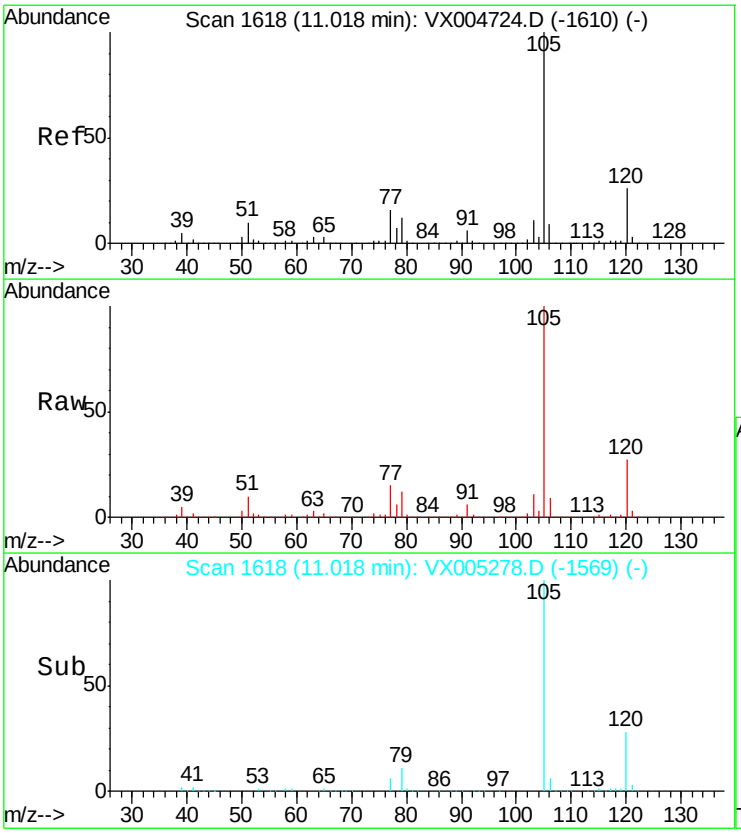
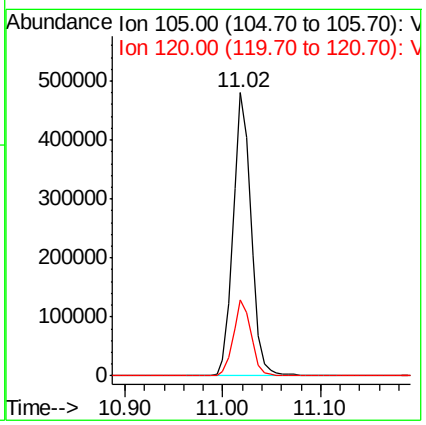
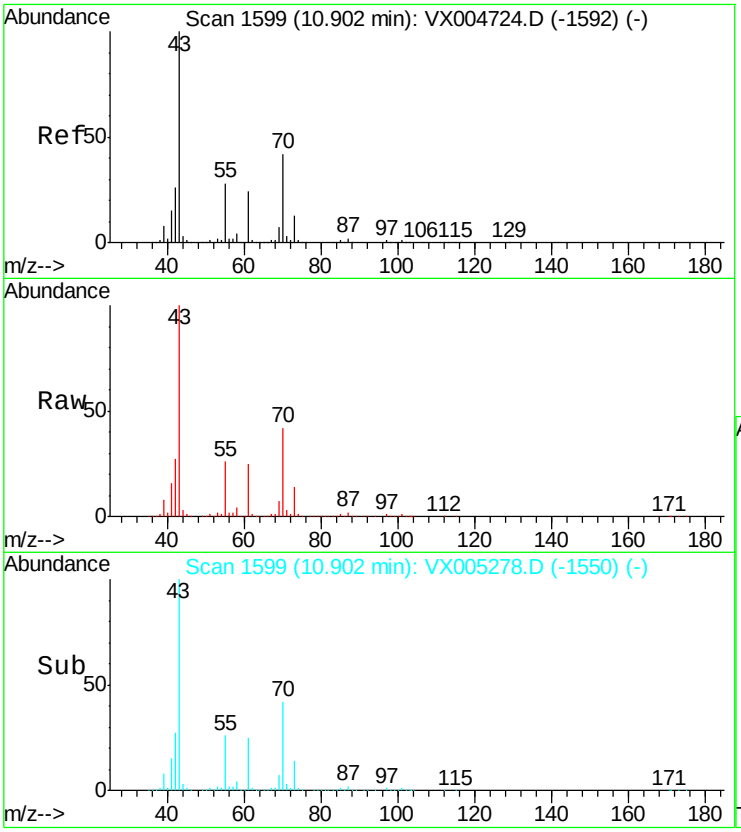



#73
Isopropylbenzene
Concen: 57.51 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:105 Resp: 615171

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

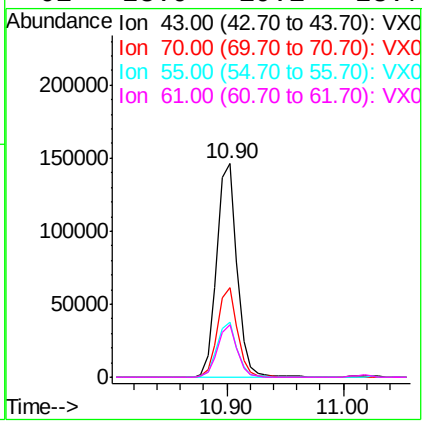





#74
N-amyl acetate
Concen: 30.59 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 43 Resp: 175700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.4 | 32.6 | 48.8 |
| 55 | 25.9 | 21.6 | 32.4 |
| 61 | 23.9 | 19.1 | 28.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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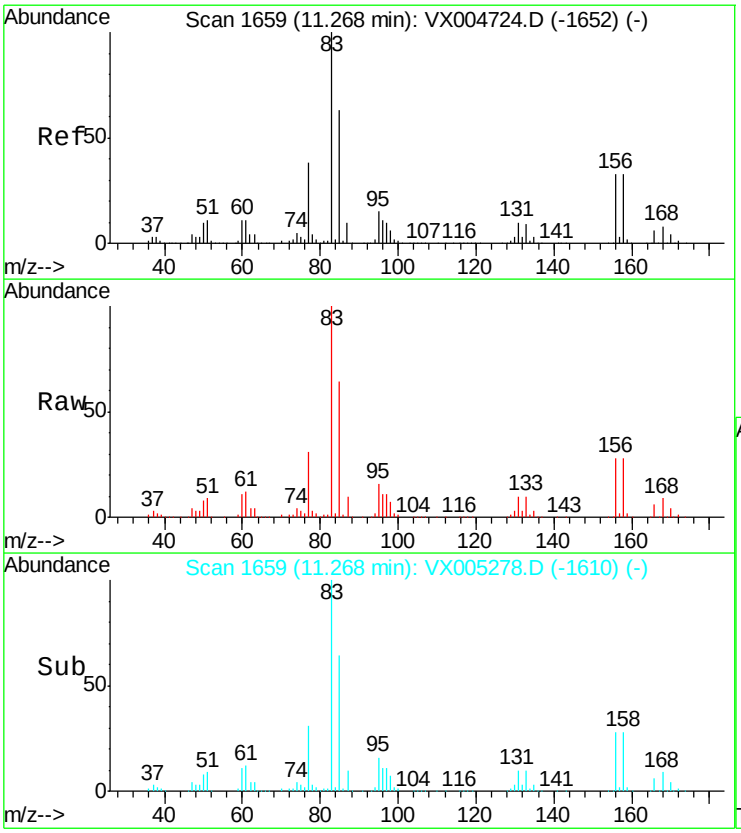
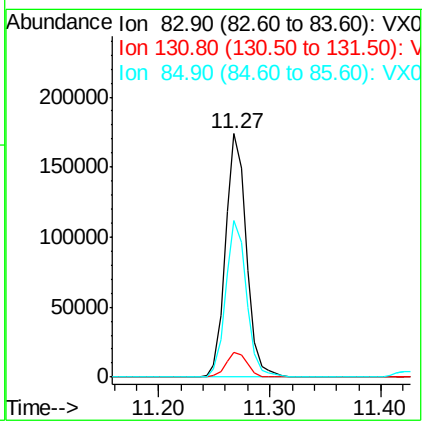
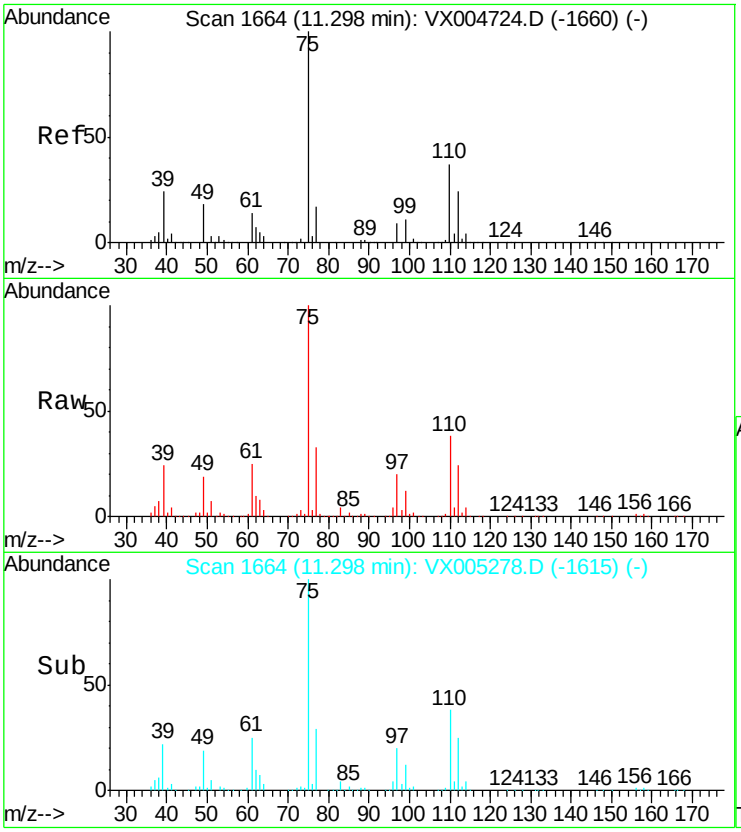



#75
1,1,2,2-Tetrachloroethane
Concen: 51.72 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 83 Resp: 225192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.5 | 5.1 | 15.3 |
| 85 | 64.2 | 31.9 | 95.9 |






#76
1,2,3-Trichloropropane
Concen: 51.21 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 194795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.9 | 21.4 | 64.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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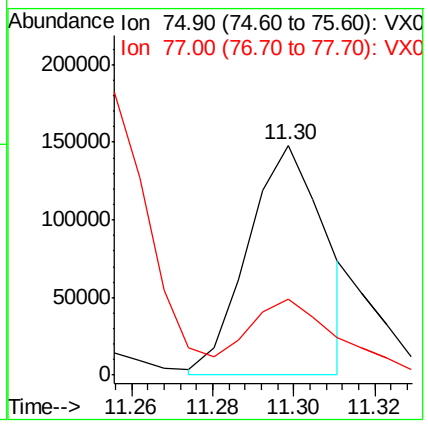
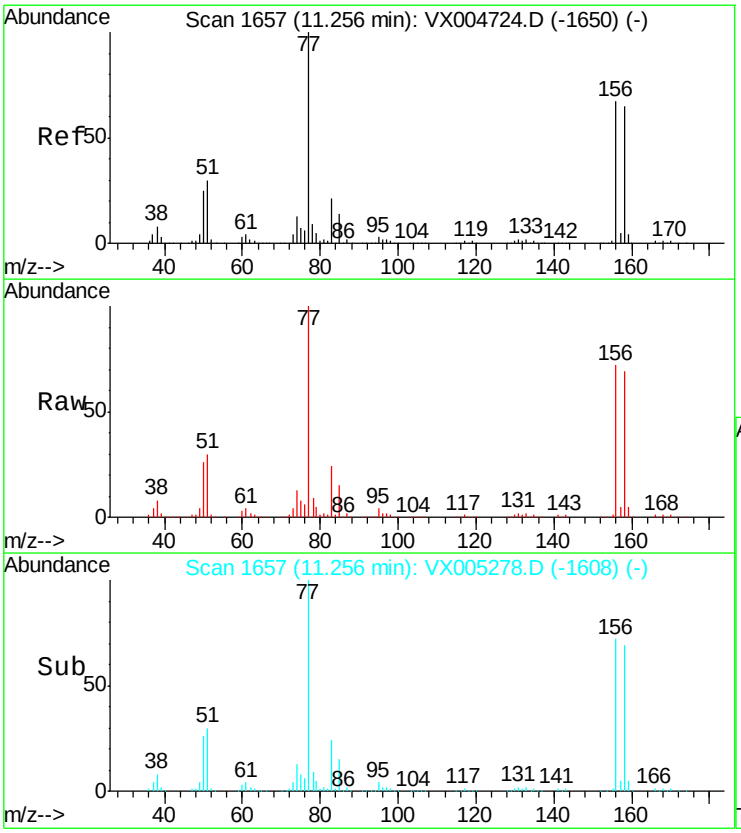
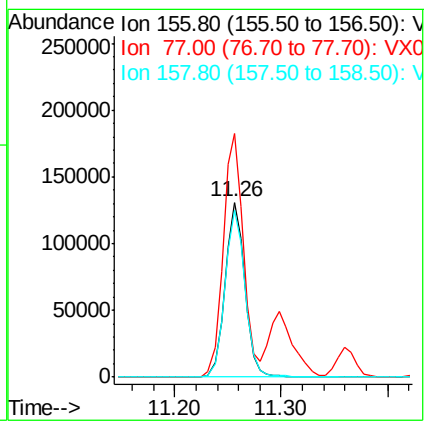


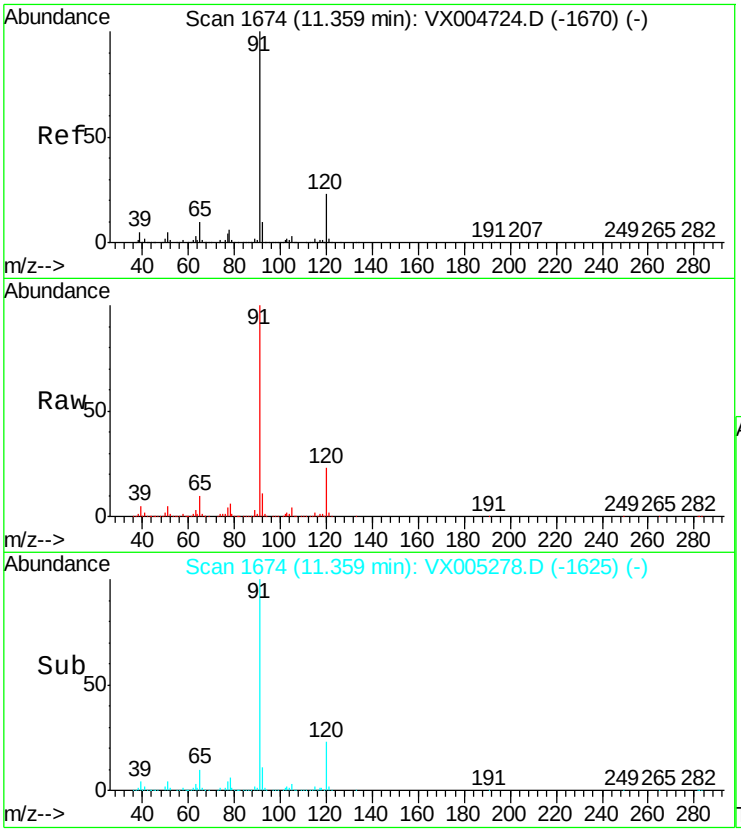




#77
Bromobenzene
Concen: 54.59 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:156 Resp: 169595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 142.1 | 73.4 | 220.2 |
| 158 | 97.5 | 49.1 | 147.4 |






#78
n-propylbenzene
Concen: 56.66 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 91 Resp: 695353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.6 | 12.0 | 36.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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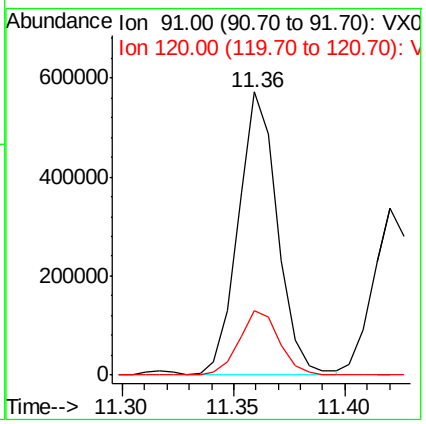
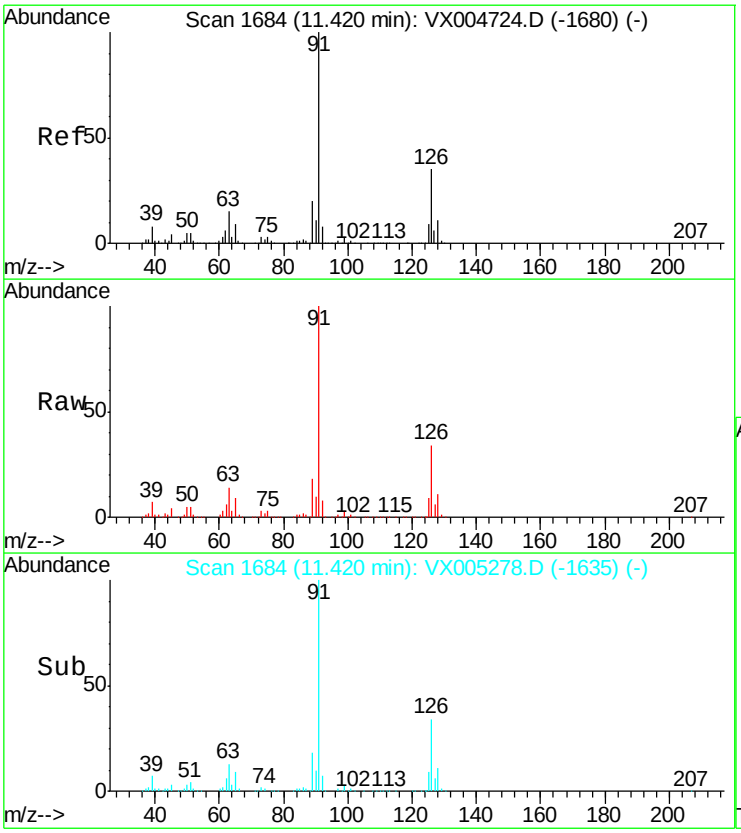
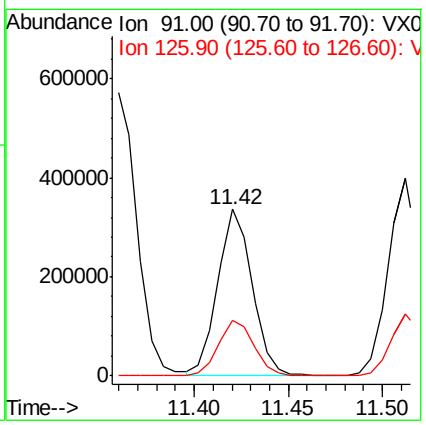


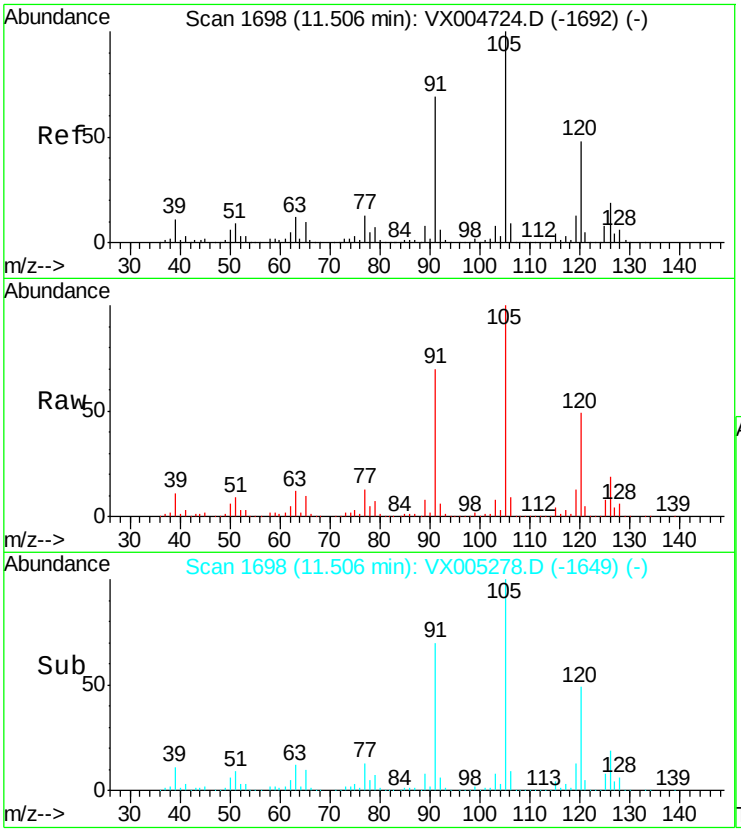




#79
2-Chlorotoluene
Concen: 55.41 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 91 Resp: 423883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.8 | 17.6 | 52.9 |






#80
1,3,5-Trimethylbenzene
Concen: 53.56 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:105 Resp: 524922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.3 | 72.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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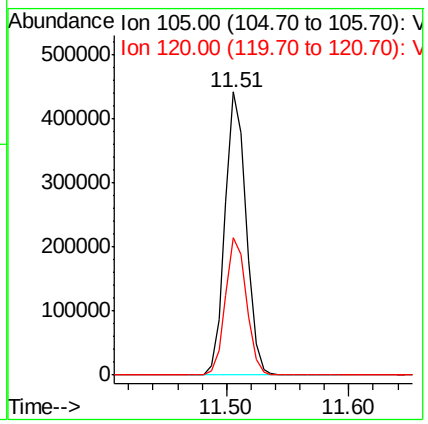
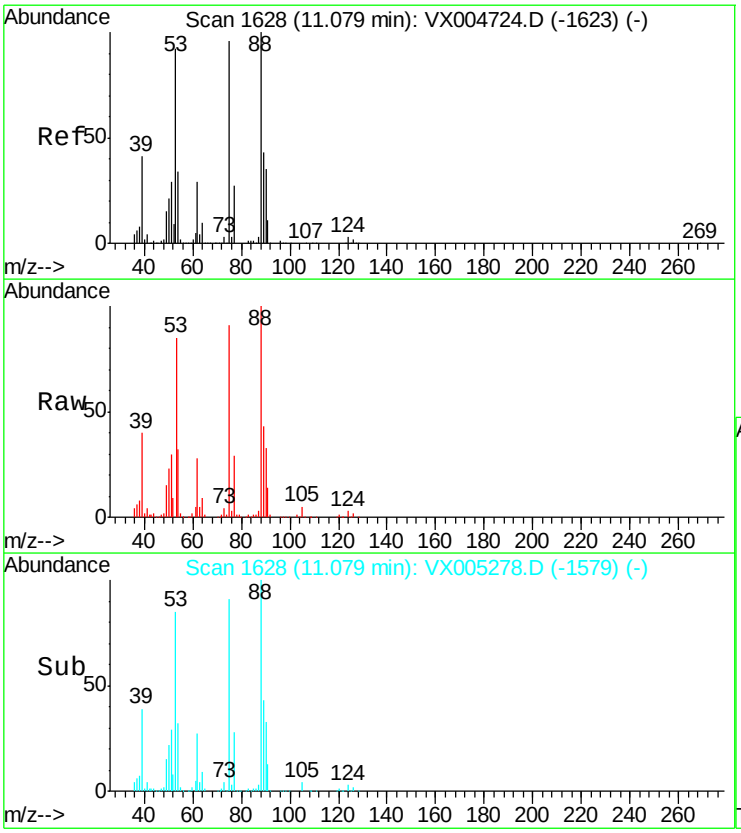
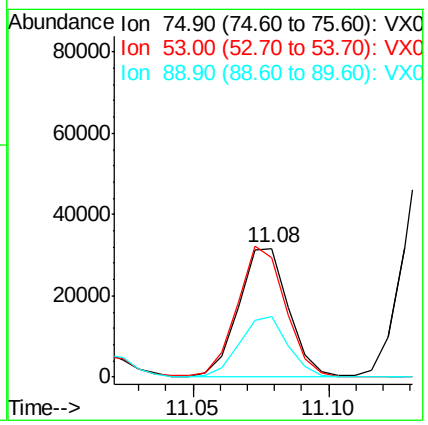


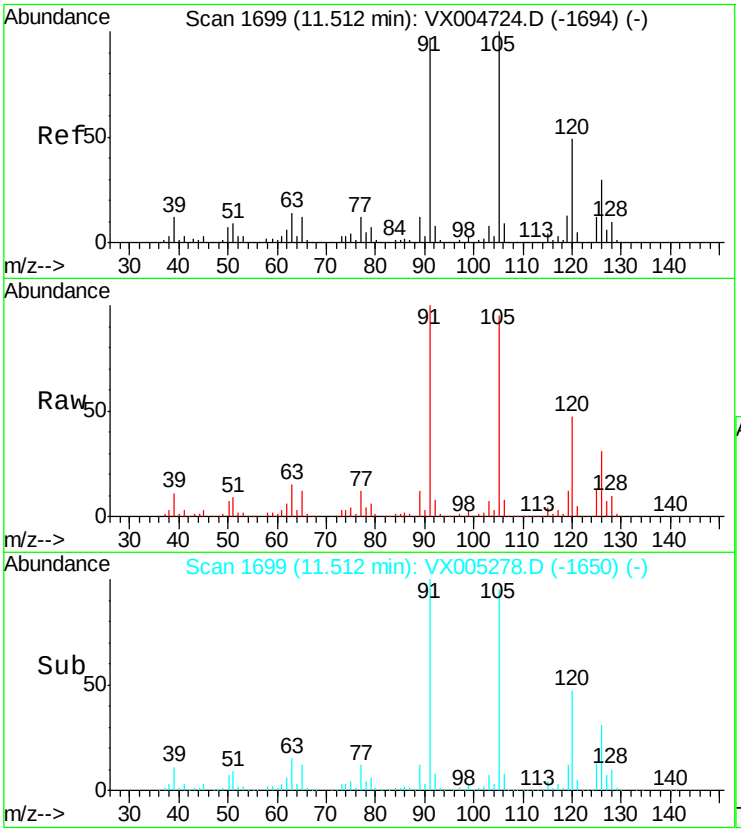




#81
trans-1,4-Dichloro-2-butene
Concen: 29.34 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 39719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.4 | 80.2 | 120.4 |
| 89 | 46.5 | 37.1 | 55.7 |

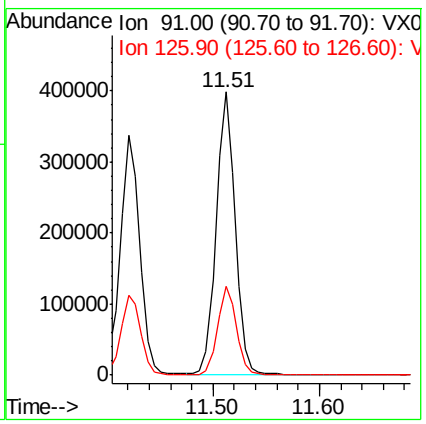





#82
4-Chlorotoluene
Concen: 54.99 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 91 Resp: 495159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.0 | 15.5 | 46.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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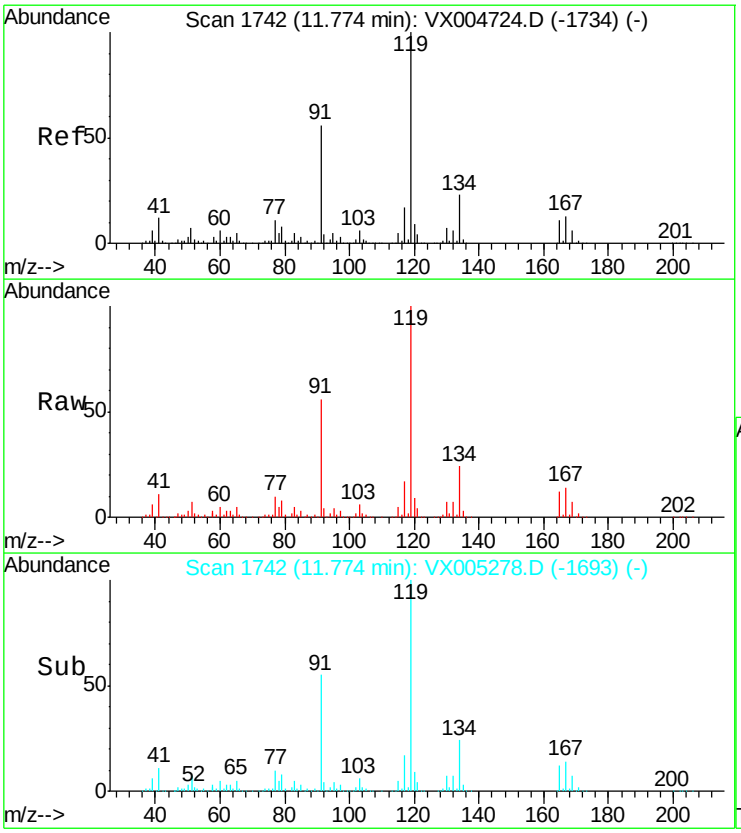
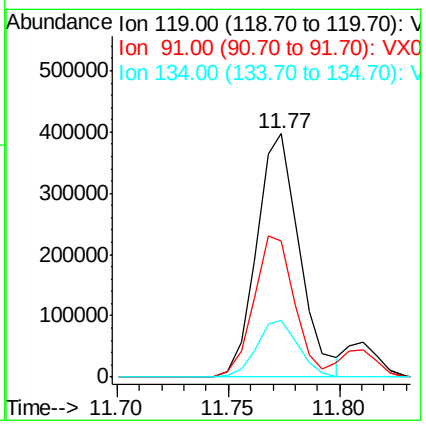
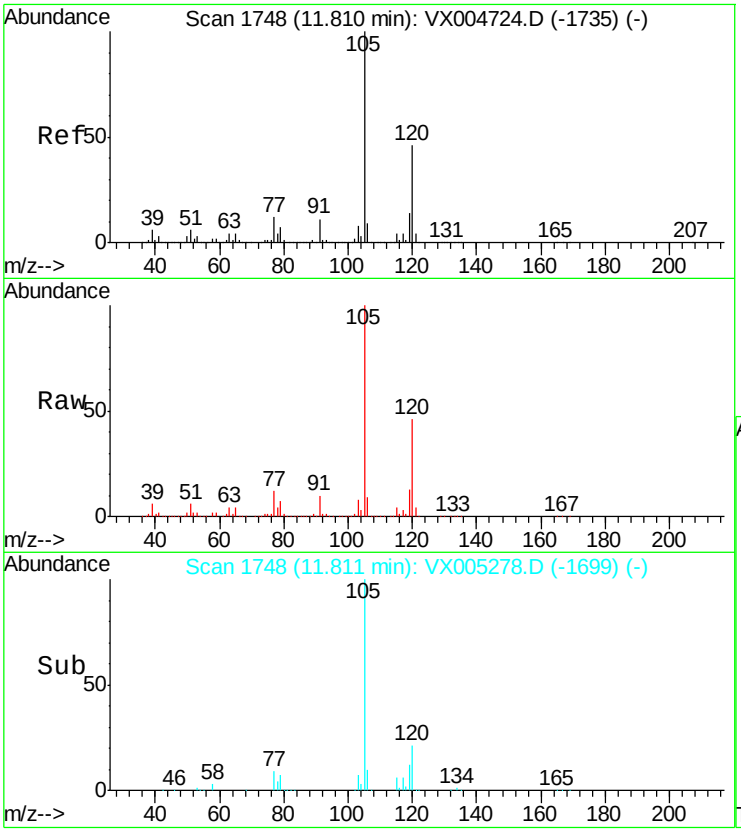



#83
tert-Butylbenzene
Concen: 60.23 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:119 Resp: 530435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 55.2 | 27.5 | 82.5 |
| 134 | 22.8 | 11.5 | 34.4 |

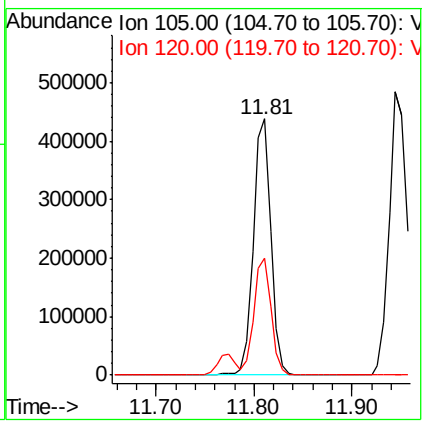





#84
1,2,4-Trimethylbenzene
Concen: 53.58 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:105 Resp: 541563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 22.8 | 68.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
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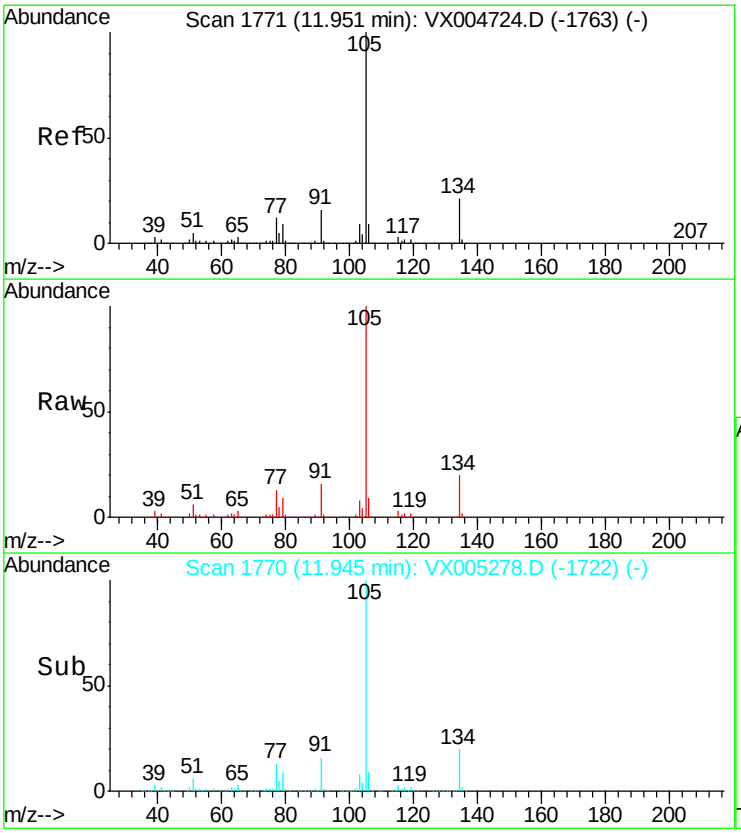
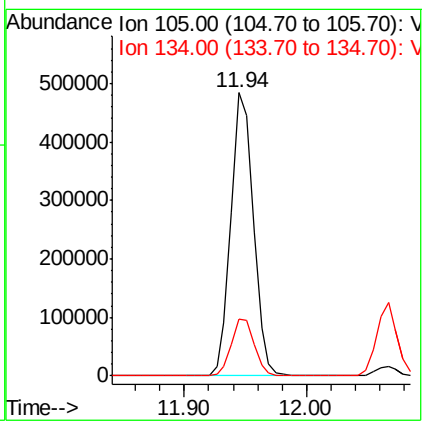
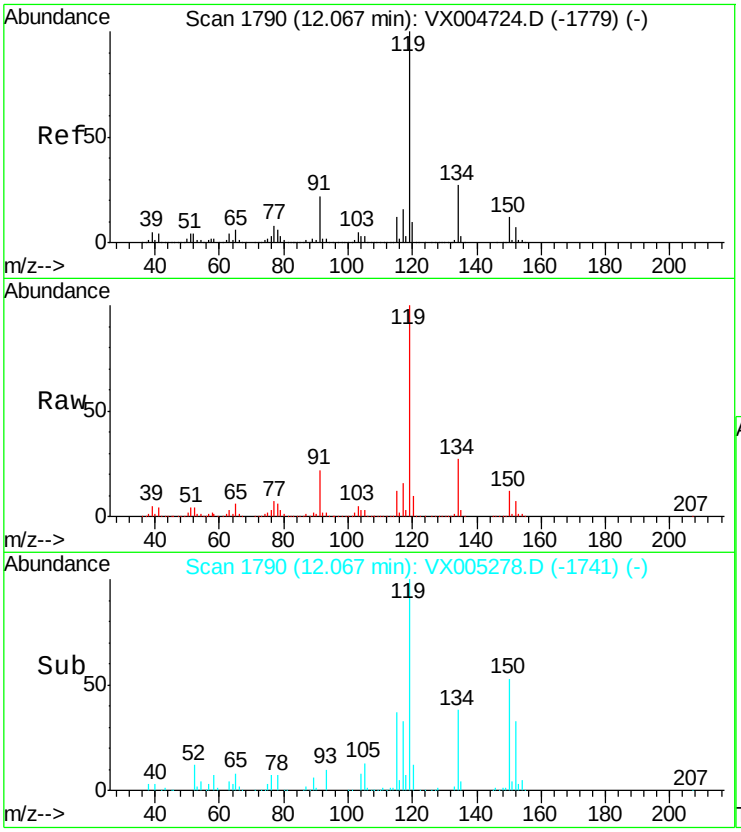



#85
sec-Butylbenzene
Concen: 57.13 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:105 Resp: 612815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.6 | 10.2 | 30.4 |






#86
p-Isopropyltoluene
Concen: 56.83 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:119 Resp: 552339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.4 | 13.4 | 40.1 |
| 91 | 22.8 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
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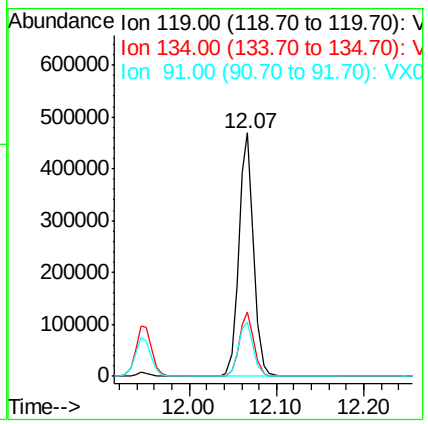
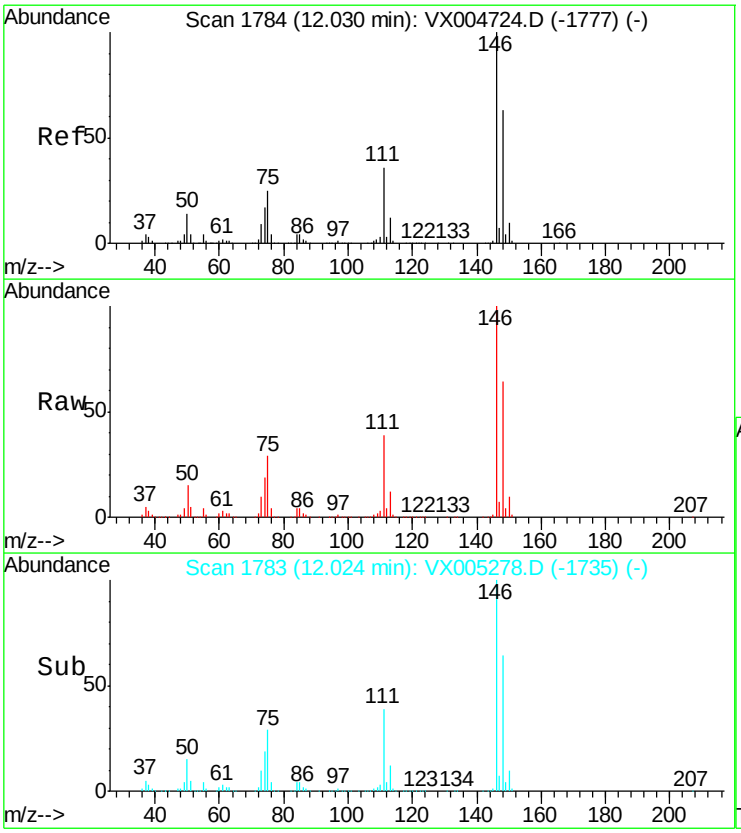
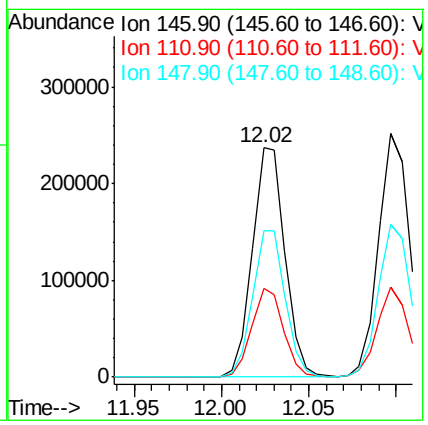


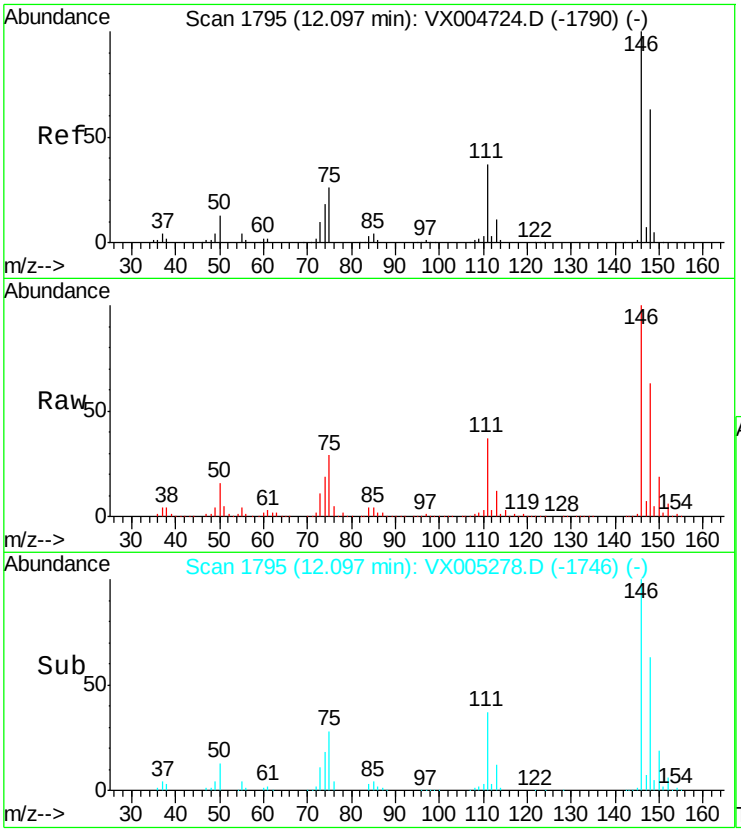




#87
1,3-Dichlorobenzene
Concen: 52.94 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:146 Resp: 307120

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

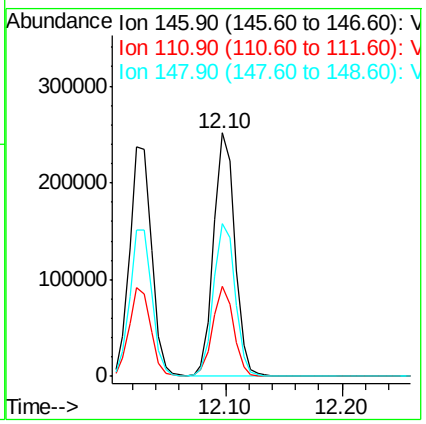





#88
1,4-Dichlorobenzene
Concen: 52.47 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:146 Resp: 314203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.5 | 18.4 | 55.2 |
| 148 | 64.1 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

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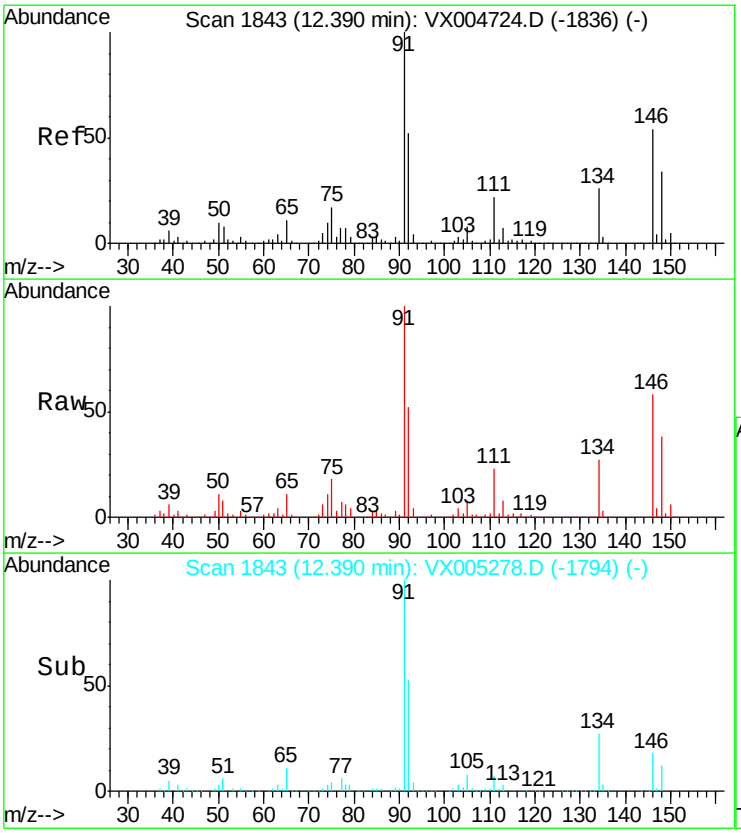
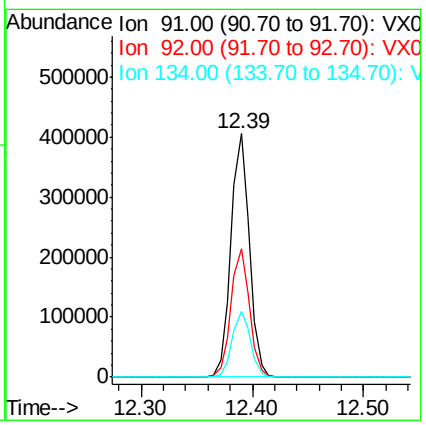
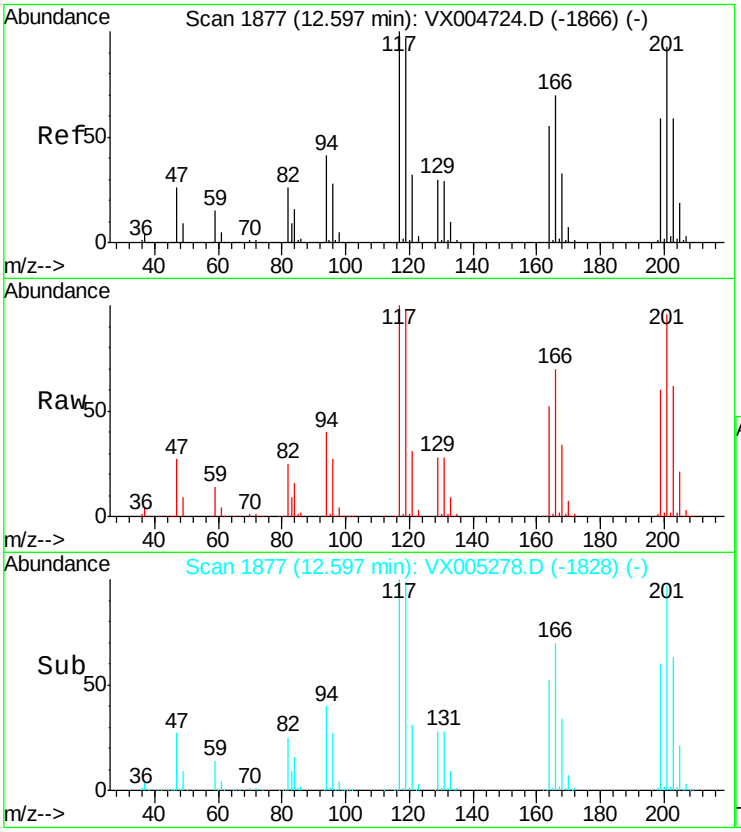



#89
n-Butylbenzene
Concen: 52.62 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 91 Resp: 464459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.6 | 26.0 | 78.0 |
| 134 | 26.9 | 13.2 | 39.6 |






#90
Hexachloroethane
Concen: 59.58 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:117 Resp: 96412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 98.3 | 48.4 | 145.0 |

**Instrument :**
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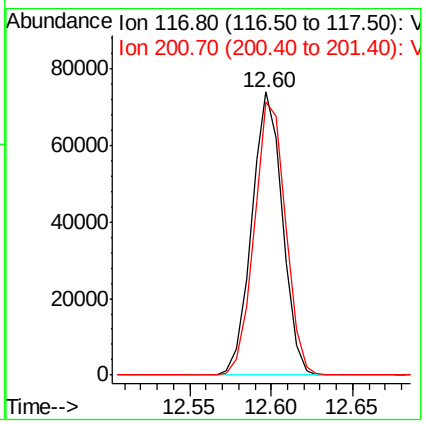
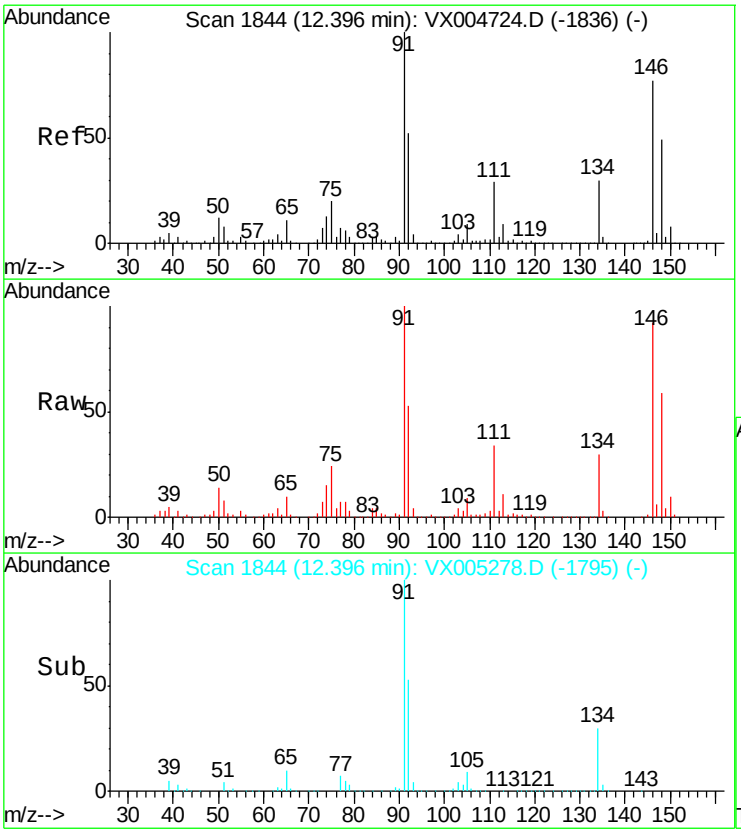
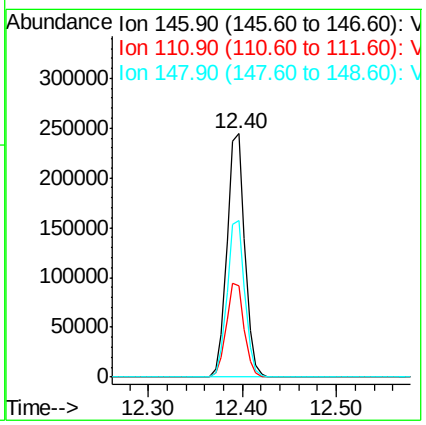


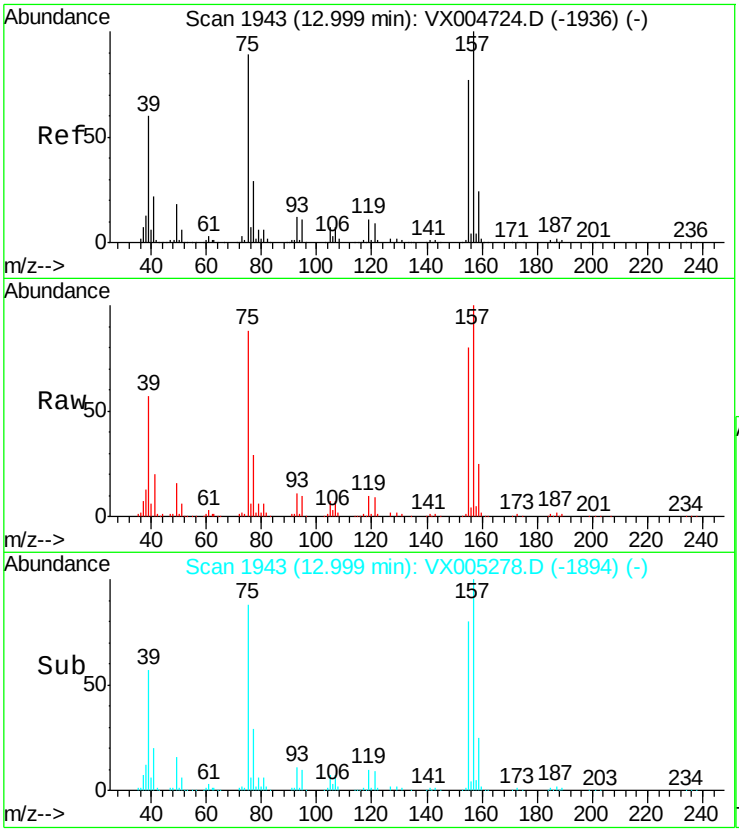




#91
1,2-Dichlorobenzene
Concen: 52.62 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:146 Resp: 319013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.7 | 19.6 | 58.7 |
| 148 | 63.9 | 31.8 | 95.4 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 57.79 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion: 75 Resp: 55244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 95.8 | 46.1 | 138.3 |
| 157 | 121.3 | 60.2 | 180.6 |

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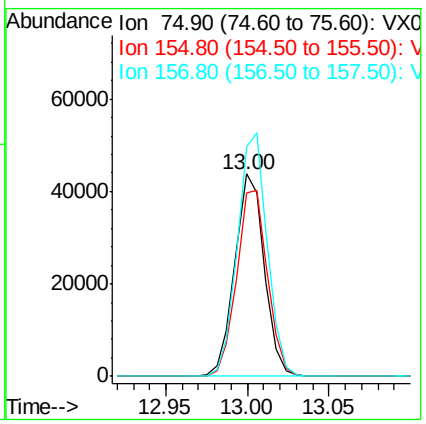
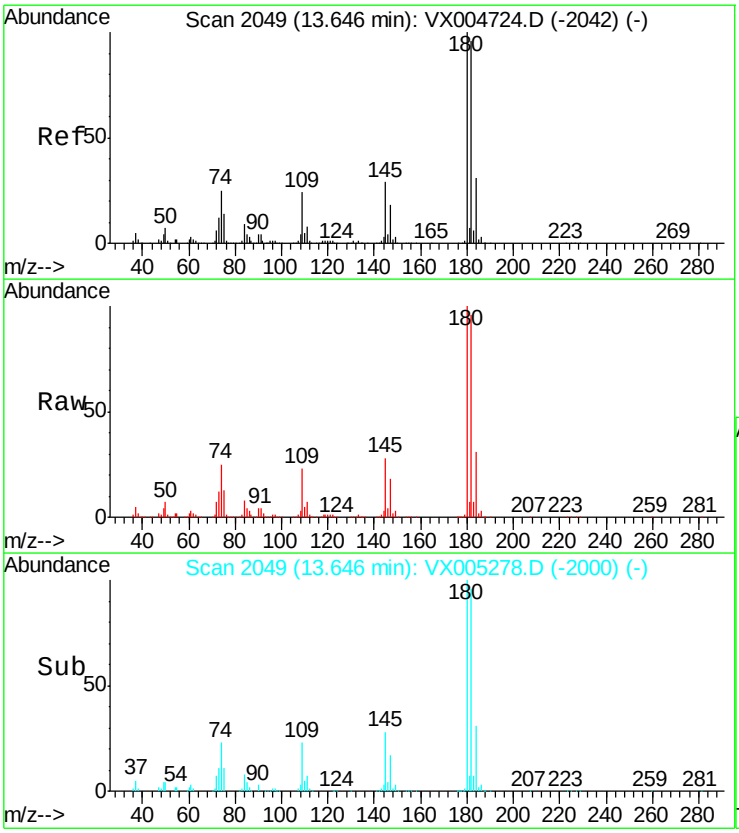
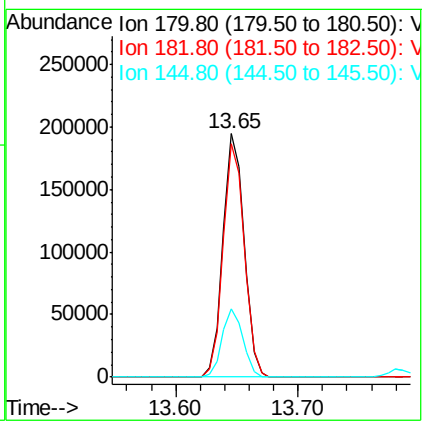


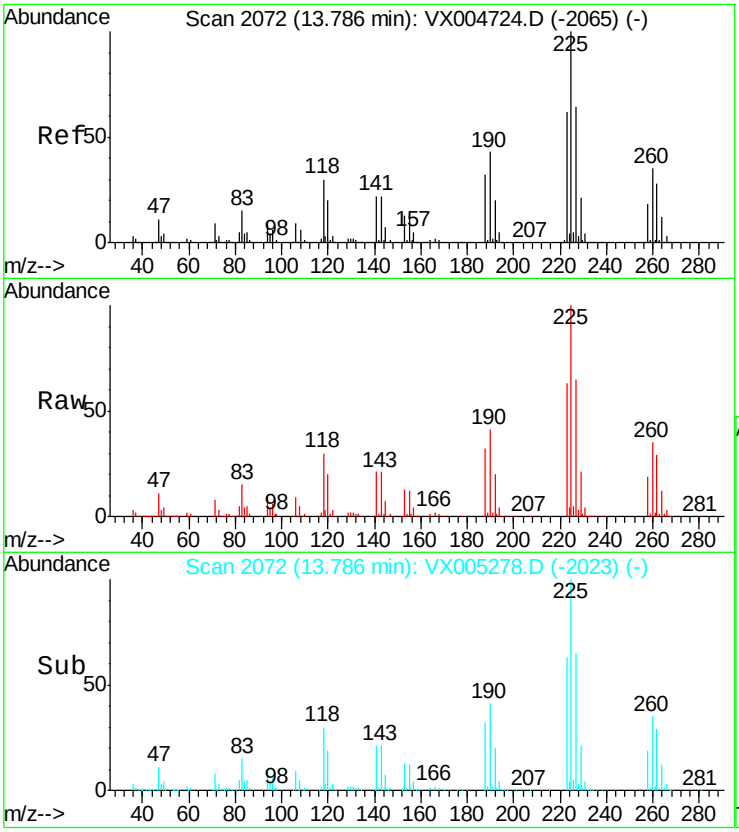




#93
1,2,4-Trichlorobenzene
Concen: 54.70 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:180 Resp: 232640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 47.8 | 143.4 |
| 145 | 28.0 | 14.1 | 42.4 |

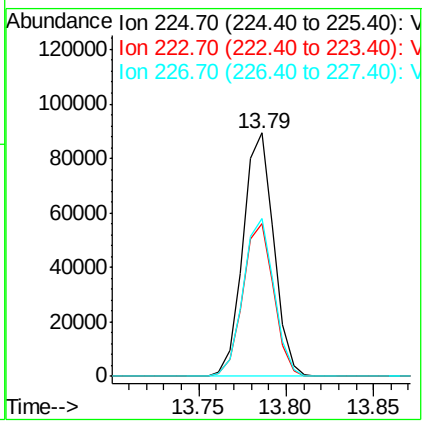





#94
Hexachlorobutadiene
Concen: 49.27 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:225 Resp: 108649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 31.3 | 93.8 |
| 227 | 65.1 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

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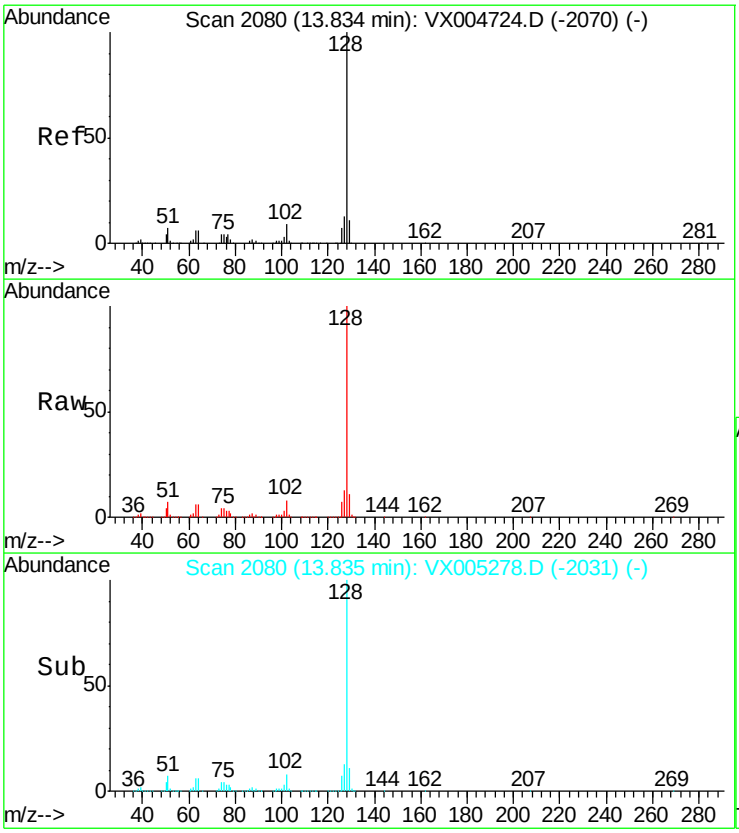
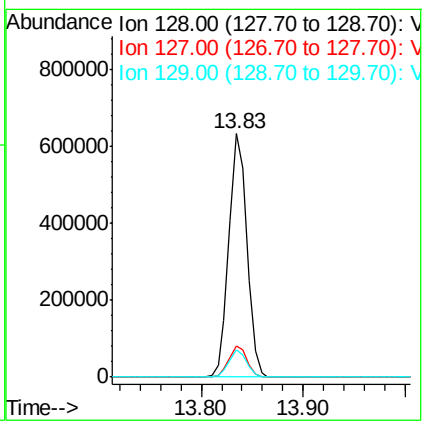
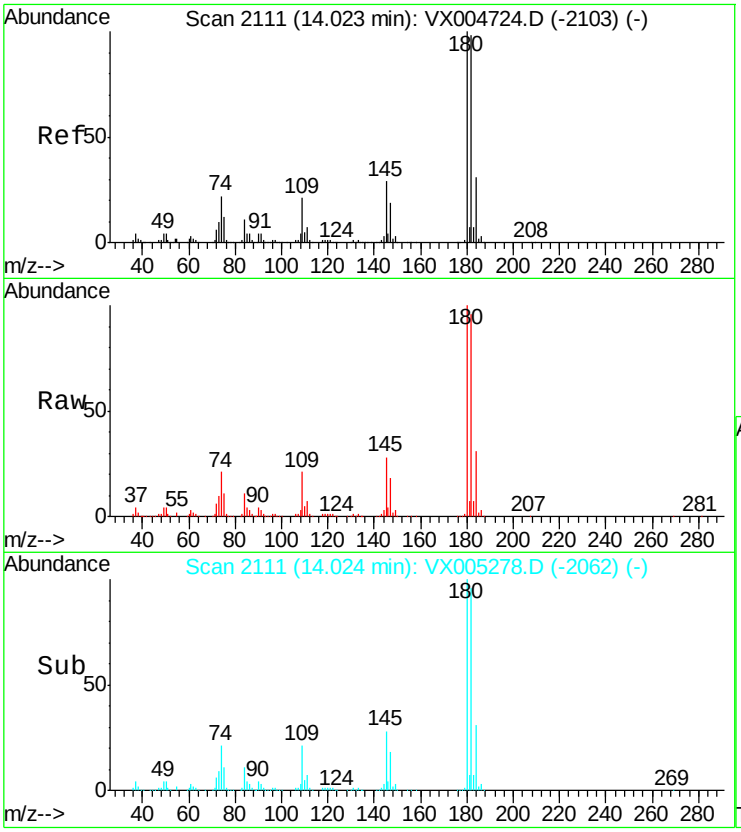



#95
Naphthalene
Concen: 54.24 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:128 Resp: 766518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 10.8 | 8.7 | 13.1 |

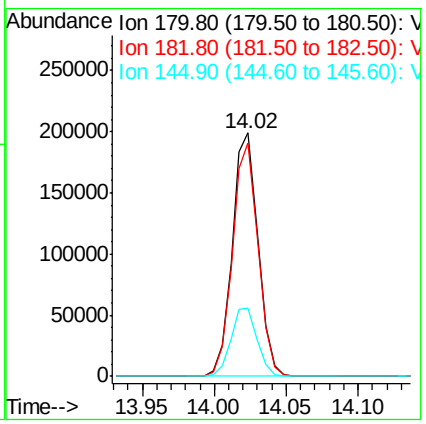





#96
1,2,3-Trichlorobenzene
Concen: 56.41 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005278.D
Acq: 12 Oct 2018 02:15

Tgt Ion:180 Resp: 247821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 47.9 | 143.8 |
| 145 | 28.8 | 15.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

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